

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015278.D
 Acq On : 21 Apr 2020 22:59
 Operator : SY/VA
 Sample : VW0421SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Manual Integrations
 APPROVED

MMDadoda
 4/22/2020 11:41:48 AM

Quant Time: Apr 22 07:53:20 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	215416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	318600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	293584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	95021	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
35) Dibromofluoromethane	7.88	113	93935	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
50) Toluene-d8	10.32	98	358971	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
62) 4-Bromofluorobenzene	12.62	95	134815	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	32191	18.923	ug/l	96
3) Chloromethane	2.21	50	35880	19.369	ug/l	100
4) Vinyl Chloride	2.36	62	42023	19.210	ug/l	97
5) Bromomethane	2.76	94	36600	23.531	ug/l	96
6) Chloroethane	2.92	64	26273	19.362	ug/l	98
7) Trichlorofluoromethane	3.26	101	60643	19.591	ug/l	97
8) Diethyl Ether	3.68	74	18546	21.345	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.06	101	37403	19.594	ug/l	92
10) Methyl Iodide	4.28	142	33668	16.792	ug/l	97
11) Tert butyl alcohol	5.18	59	15879	110.581	ug/l	100
12) 1,1-Dichloroethene	4.04	96	36318	19.766	ug/l	90
13) Acrolein	3.90	56	10551	140.385	ug/l	97
14) Allyl chloride	4.67	41	45994	18.869	ug/l #	83
15) Acrylonitrile	5.37	53	33443	101.143	ug/l	99
16) Acetone	4.14	43	24641	80.087	ug/l	97
17) Carbon Disulfide	4.39	76	103768	19.004	ug/l	99
18) Methyl Acetate	4.67	43	17059	20.946	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	90772	21.521	ug/l	94
20) Methylene Chloride	4.92	84	39790	19.733	ug/l	91
21) trans-1,2-Dichloroethene	5.43	96	42960	20.616	ug/l	90
22) Diisopropyl ether	6.32	45	96444	20.625	ug/l #	93
23) Vinyl Acetate	6.26	43	287381	104.729	ug/l	95
24) 1,1-Dichloroethane	6.22	63	66136	20.408	ug/l	97
25) 2-Butanone	7.17	43	38936	95.383	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	63626	18.662	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	46919	20.856	ug/l	97
28) Bromochloromethane	7.51	49	24756	21.010	ug/l #	74
29) Tetrahydrofuran	7.53	42	26727	105.092	ug/l	90
30) Chloroform	7.68	83	74382	21.266	ug/l	100
31) Cyclohexane	7.96	56	62053	19.049	ug/l	88
32) 1,1,1-Trichloroethane	7.87	97	68484	20.287	ug/l	99
36) 1,1-Dichloropropene	8.09	75	56334	19.591	ug/l	97
37) Ethyl Acetate	7.26	43	19176	20.548	ug/l #	96
38) Carbon Tetrachloride	8.07	117	61118	19.449	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	70248	18.354	ug/l	95
40) Benzene	8.32	78	155040	20.184	ug/l	96
41) Methacrylonitrile	7.49	41	10386	18.548	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	46341	20.493	ug/l	99
43) Isopropyl Acetate	8.43	43	38827	19.837	ug/l	94
44) Trichloroethene	9.09	130	49329	20.995	ug/l	98
45) 1,2-Dichloropropane	9.37	63	36995	20.710	ug/l	98
46) Dibromomethane	9.46	93	21603	20.907	ug/l #	84
47) Bromodichloromethane	9.65	83	57032	20.647	ug/l	97
48) Methyl methacrylate	9.44	41	17298	18.695	ug/l #	80
49) 1,4-Dioxane	9.45	88	5284	383.588	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	91236	99.297	ug/l	96
52) Toluene	10.39	92	102977	19.155	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	53729	19.726	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	64384	20.337	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	30583	21.137	ug/l	98
56) Ethyl methacrylate	10.65	69	35764	19.187	ug/l	93
57) 1,3-Dichloropropane	10.93	76	49657	20.718	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	90337	104.536	ug/l #	88
59) 2-Hexanone	10.97	43	60850	92.775	ug/l	96
60) Dibromochloromethane	11.13	129	40156	21.020	ug/l	100
61) 1,2-Dibromoethane	11.23	107	29572	20.946	ug/l	99
64) Tetrachloroethene	10.87	164	43038	20.540	ug/l #	89
65) Chlorobenzene	11.66	112	116920	20.295	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	44741	21.608	ug/l	98
67) Ethyl Benzene	11.73	91	206447	19.216	ug/l	99
68) m/p-Xylenes	11.84	106	164712	39.113	ug/l	98
69) o-Xylene	12.16	106	77186	19.637	ug/l	100
70) Styrene	12.18	104	131946	19.693	ug/l	99
71) Bromoform	12.35	173	24453	20.960	ug/l #	97
73) Isopropylbenzene	12.46	105	210039	18.736	ug/l	99
74) N-amyl acetate	12.27	43	36922	18.931	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	31907	20.046	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	24316m	19.440	ug/l	
77) Bromobenzene	12.74	156	50672	19.674	ug/l	83
78) n-propylbenzene	12.80	91	242780	18.600	ug/l	96
79) 2-Chlorotoluene	12.89	91	139956	19.026	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	184453	19.101	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10303	18.006	ug/l	91
82) 4-Chlorotoluene	12.99	91	147269	18.856	ug/l	97
83) tert-Butylbenzene	13.21	119	159534	18.901	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	182379	19.148	ug/l	99
85) sec-Butylbenzene	13.38	105	217379	18.649	ug/l	98
86) p-Isopropyltoluene	13.50	119	204992	18.926	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	99661	19.475	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	98523	19.640	ug/l	97
89) n-Butylbenzene	13.82	91	175842	17.762	ug/l	97
90) Hexachloroethane	14.09	117	37949	19.105	ug/l	75
91) 1,2-Dichlorobenzene	13.87	146	88600	19.924	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5409	18.778	ug/l	88

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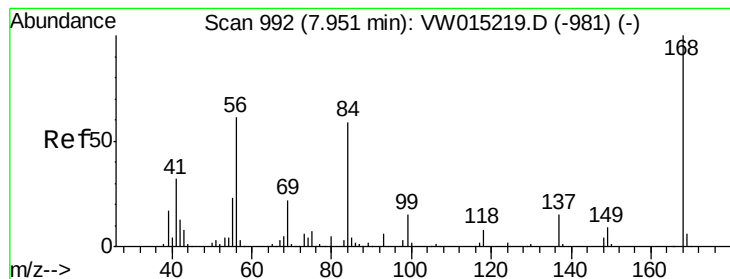
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59037	19.100	ug/l	95
94) Hexachlorobutadiene	15.23	225	38287	18.579	ug/l	97
95) Naphthalene	15.36	128	93695	18.844	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	48205	19.168	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Tot Ion: 168 Resp: 215416

Ion Ratio Lower Upper

168 100

99 51.2 48.5 72.7

Instrument :

MSVOA_W

ClientSampleId :

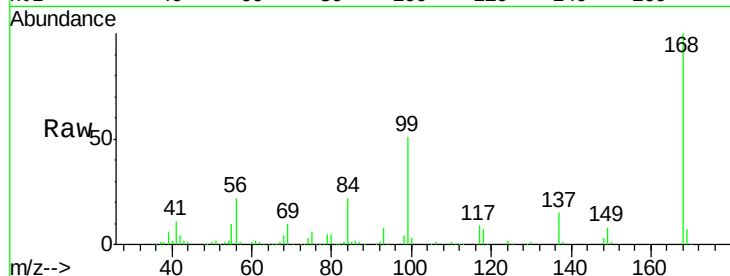
VW0421SBS02

Manual Integrations

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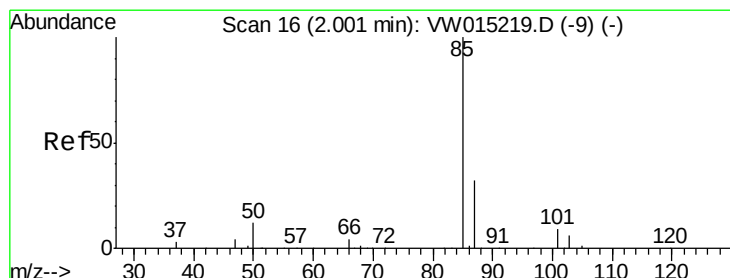
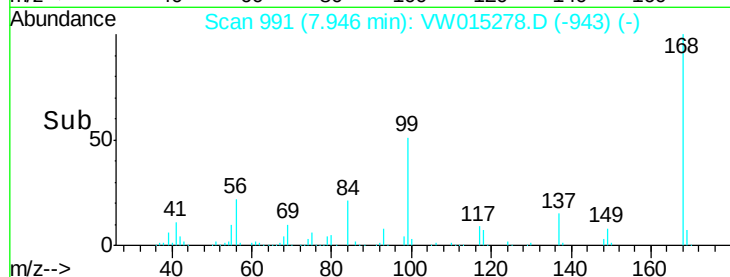
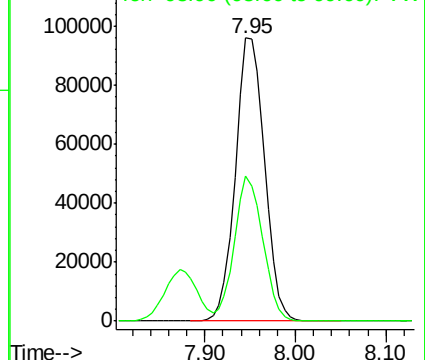
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.923 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015278.D

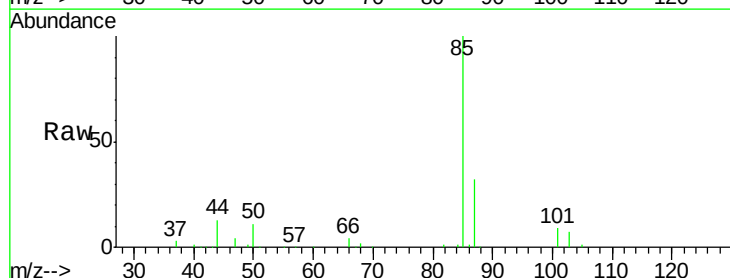
Acq: 21 Apr 2020 22:59

Tgt Ion: 85 Resp: 32191

Ion Ratio Lower Upper

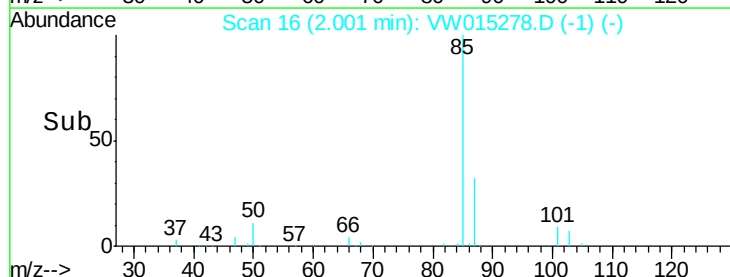
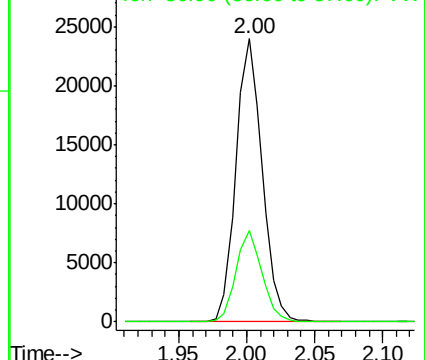
85 100

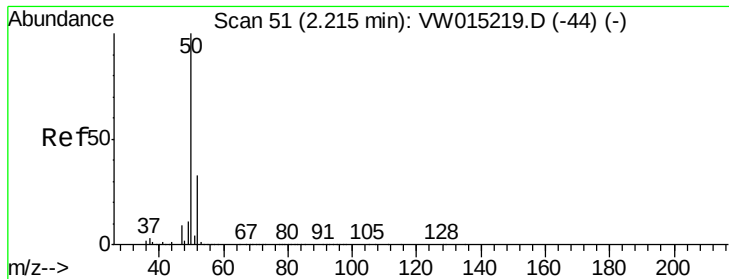
87 32.3 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.369 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

ClientSampleId :

VW0421SBS02

Tot Ion: 50 Resp: 35880

Ion Ratio Lower Upper

50 100

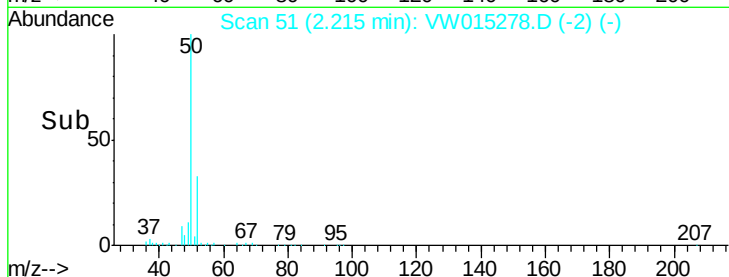
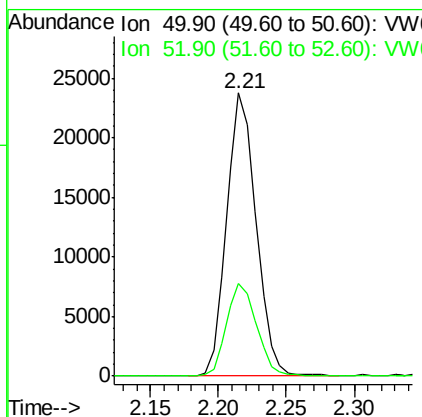
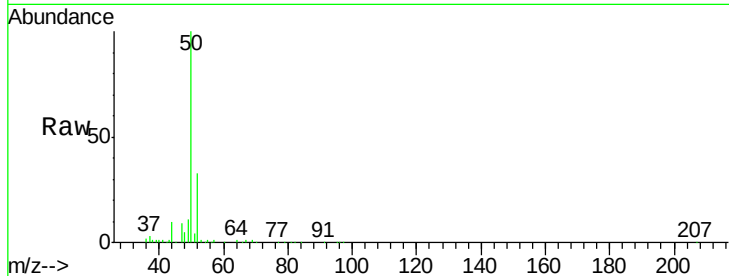
52 32.8 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.210 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015278.D

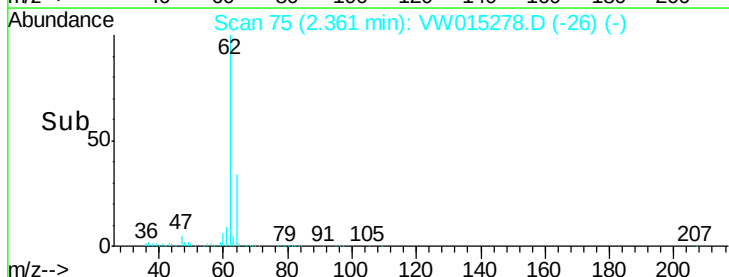
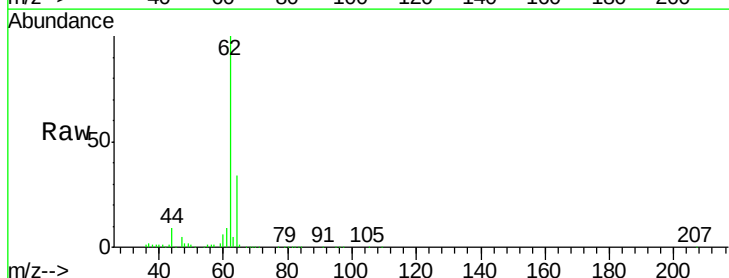
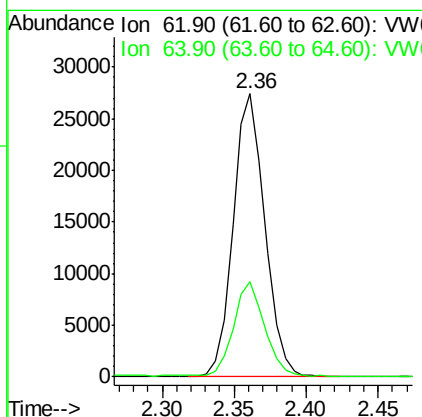
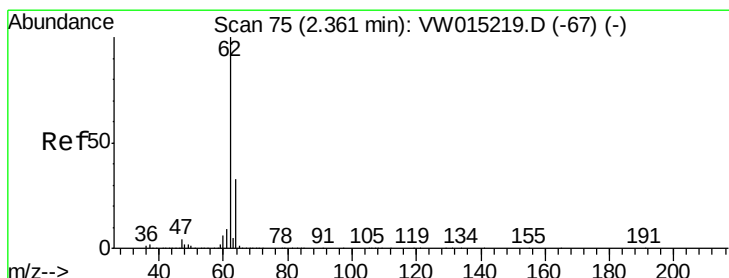
Acq: 21 Apr 2020 22:59

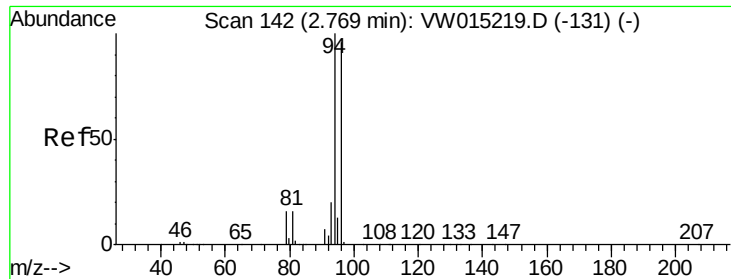
Tgt Ion: 62 Resp: 42023

Ion Ratio Lower Upper

62 100

64 33.2 25.4 38.2





#5

Bromomethane

Concen: 23.531 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

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VW0421SBS02

Tot Ion: 94 Resp: 36600

Ion Ratio Lower Upper

94 100

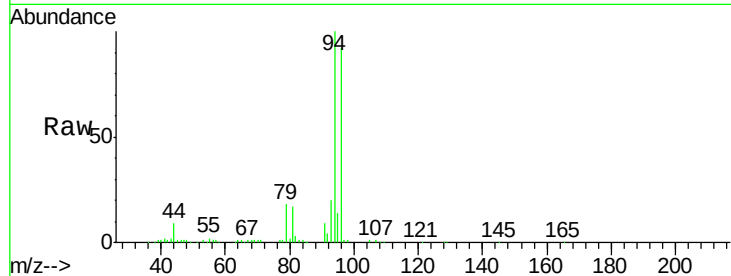
96 91.7 70.4 105.6

Manual Integrations

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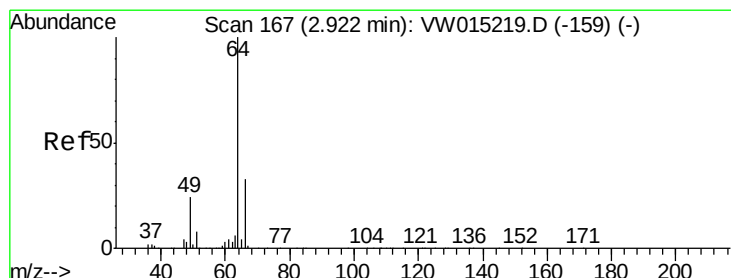
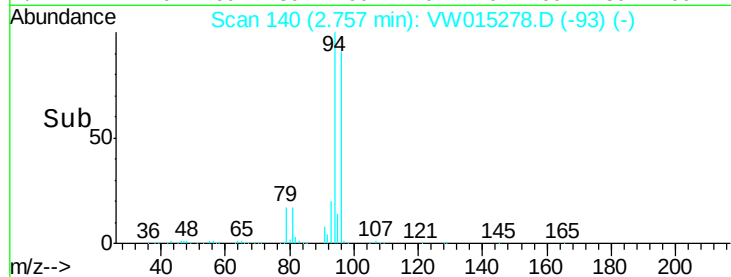
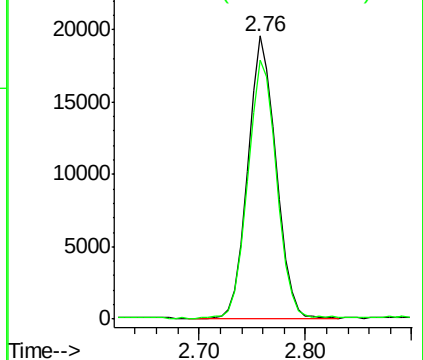
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.362 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015278.D

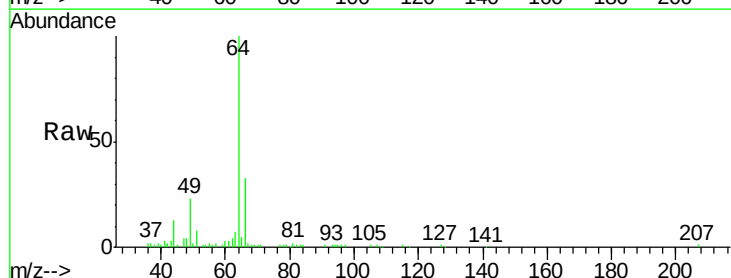
Acq: 21 Apr 2020 22:59

Tgt Ion: 64 Resp: 26273

Ion Ratio Lower Upper

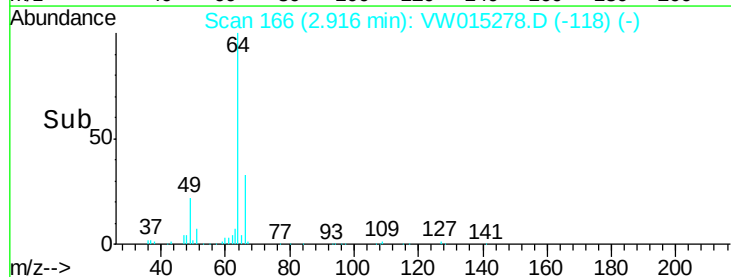
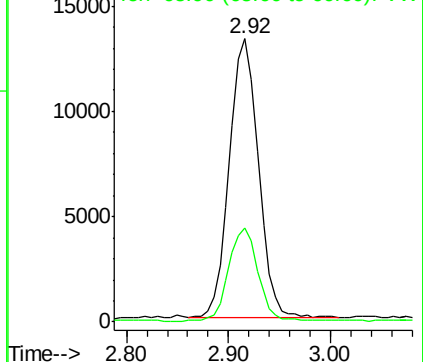
64 100

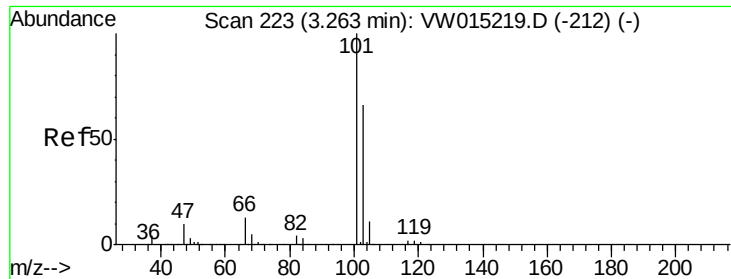
66 33.1 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

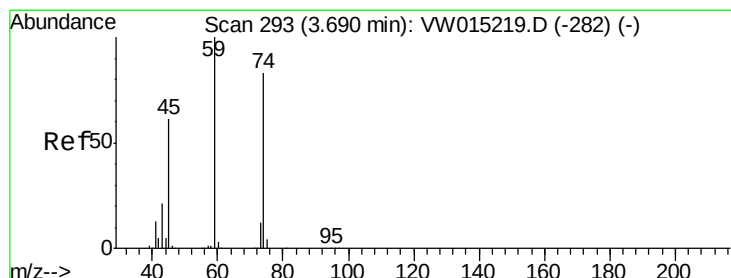
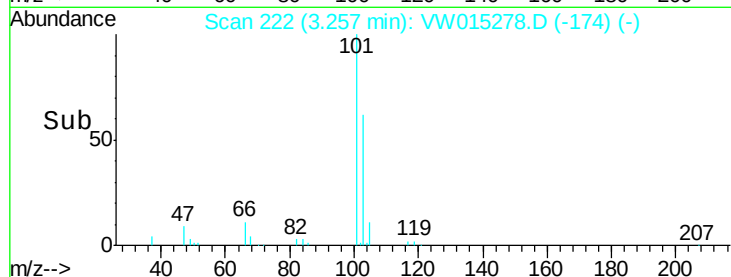
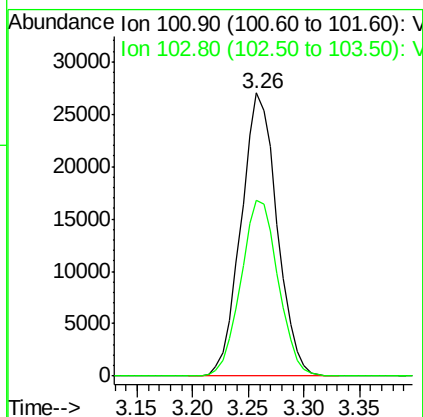
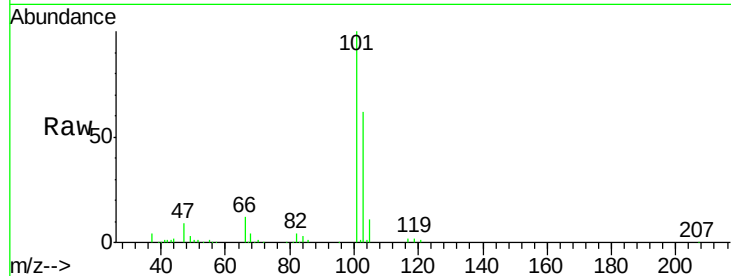
Trichlorofluoromethane
 Concen: 19.591 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015278.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	51.3	76.9

Manual Integrations
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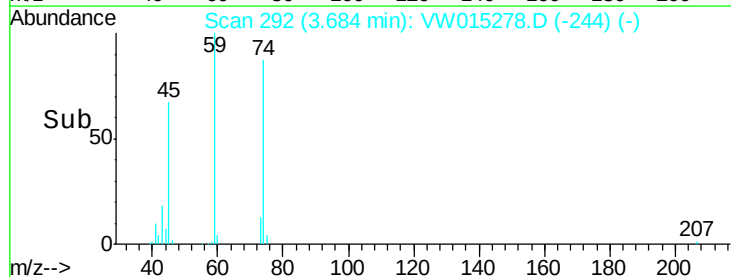
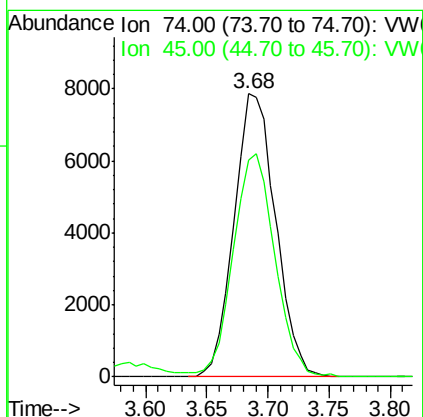
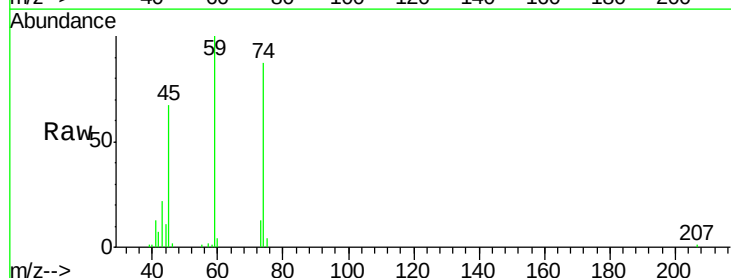
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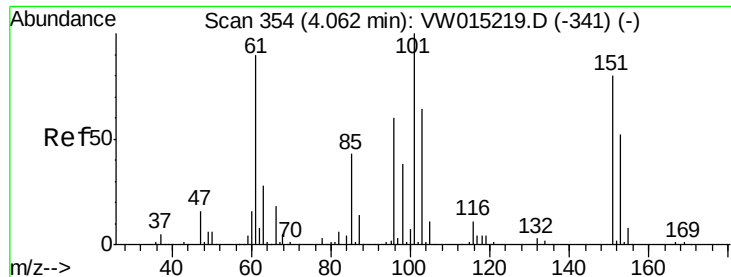


#8

Diethyl Ether
 Concen: 21.345 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.3	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.594 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015278.D

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Instrument :

MSVOA_W

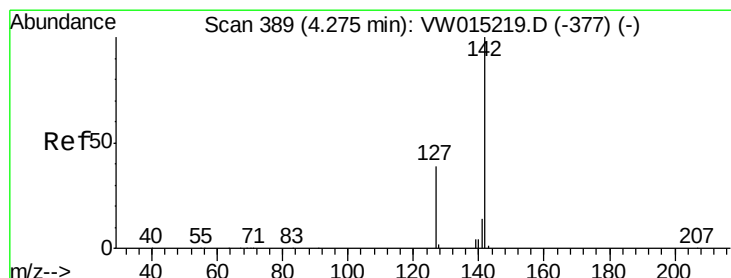
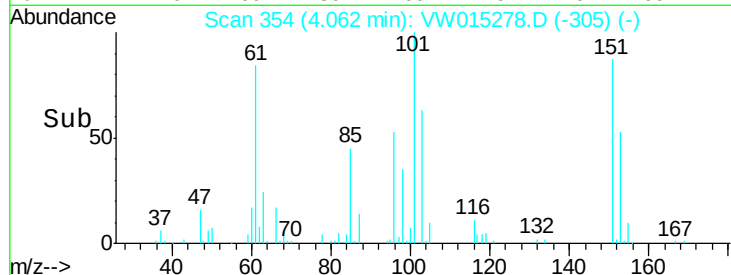
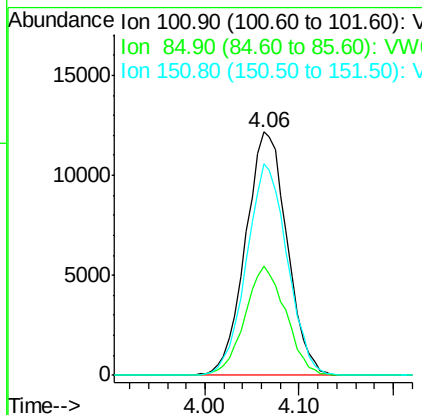
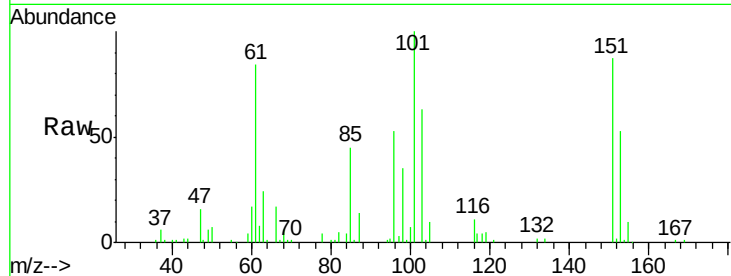
ClientSampleId :

VW0421SBS02

Tot Ion:	101	Resp:	37403
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.3	52.9
151	85.4	59.3	88.9

Manual Integrations
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#10

Methyl Iodide

Concen: 16.792 ug/l

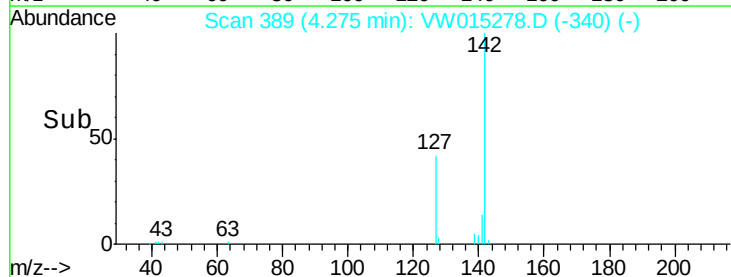
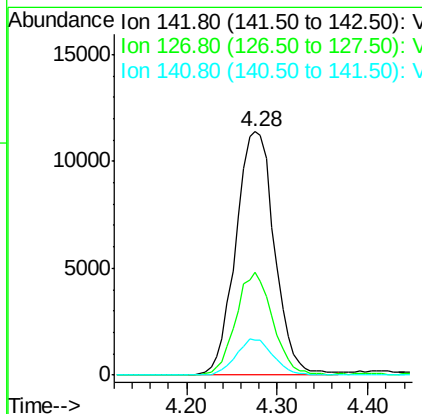
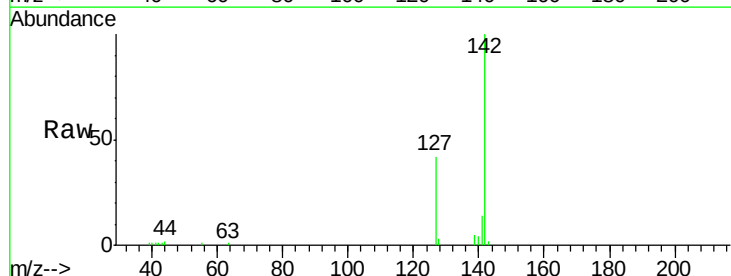
RT: 4.28 min Scan# 389

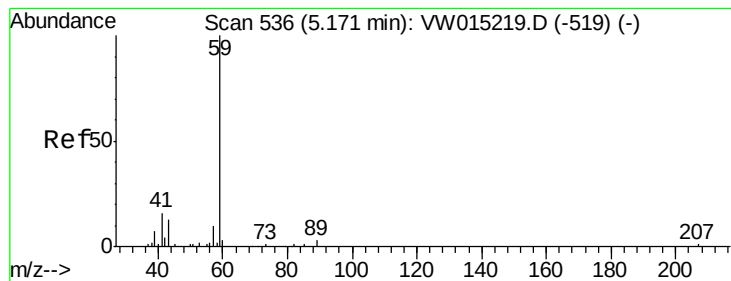
Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Tgt Ion:	142	Resp:	33668
Ion Ratio	Lower	Upper	
142	100		
127	40.3	33.9	50.9
141	14.0	11.4	17.2





#11

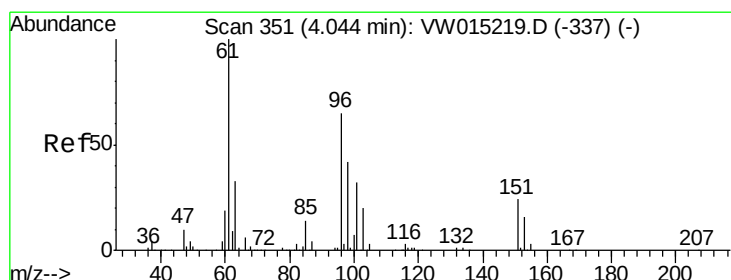
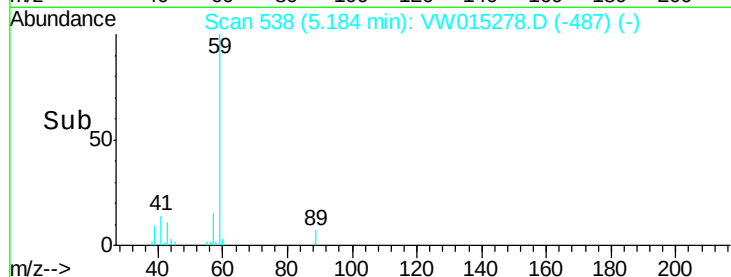
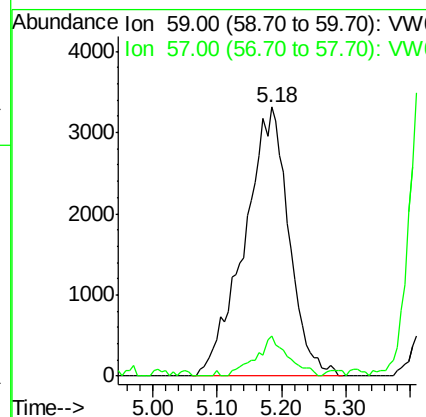
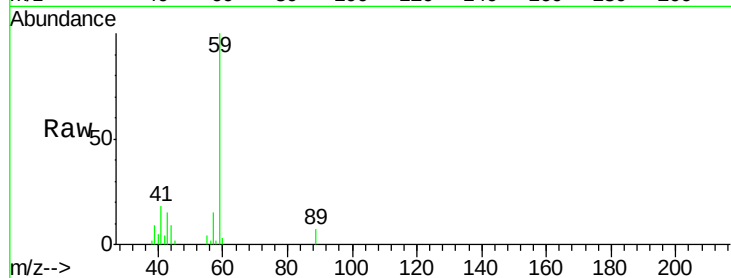
Tert butyl alcohol
Concen: 110.581 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

Manual Integrations
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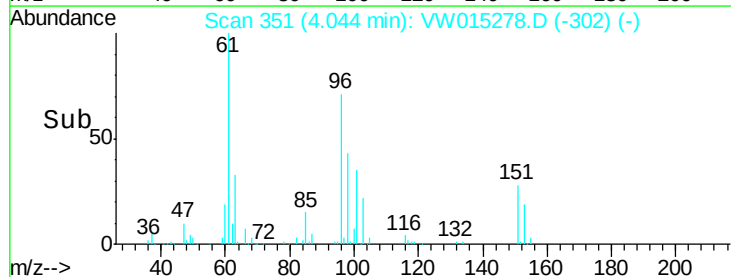
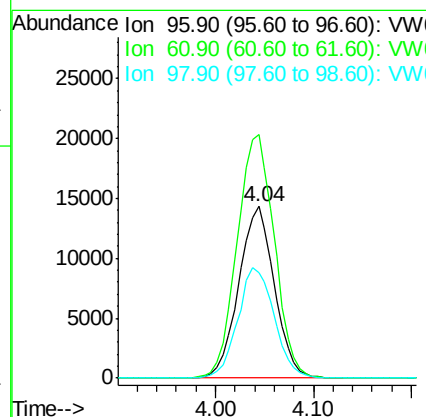
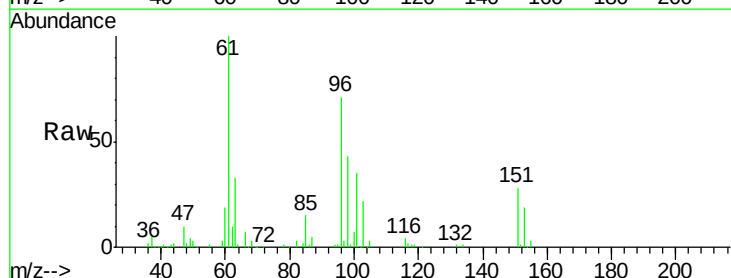
MMDadoda
4/22/2020 11:41:48 AM

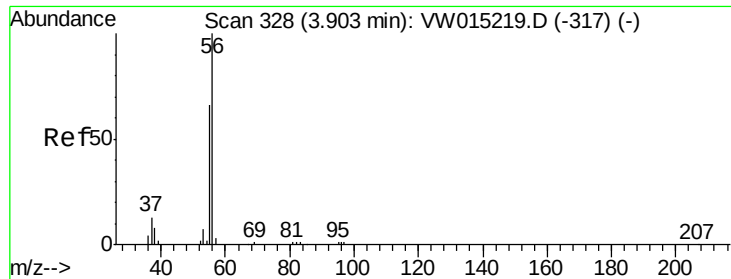


#12

1,1-Dichloroethene
Concen: 19.766 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.7	127.0	190.4
98	61.3	51.0	76.4





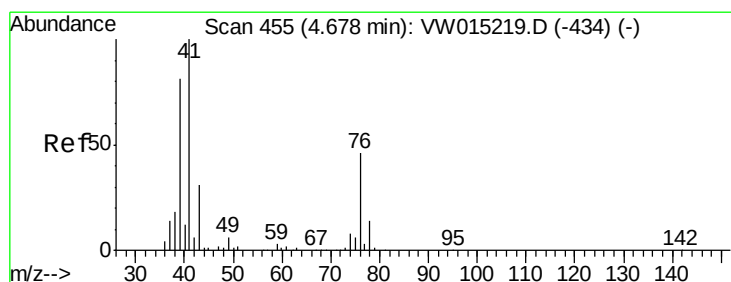
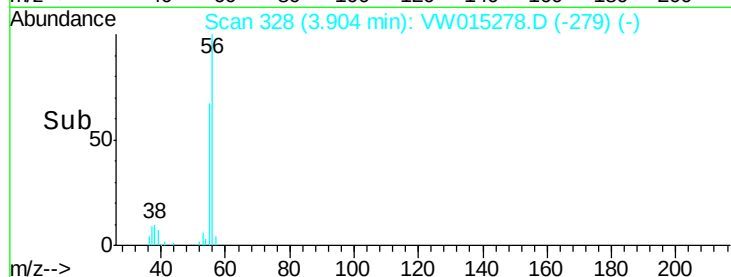
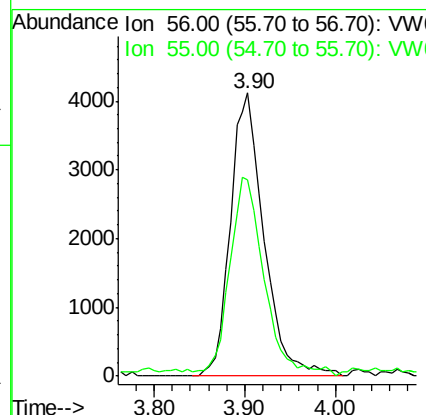
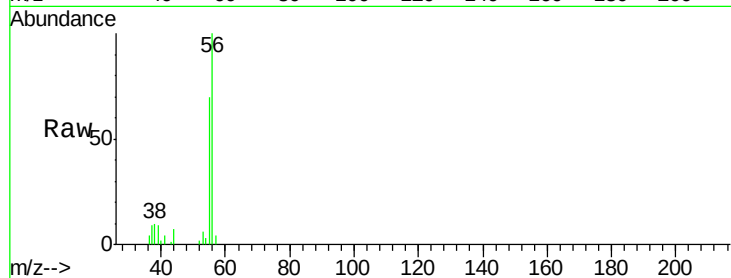
#13
Acrolein
Concen: 140.385 ug/l
RT: 3.90 min Scan# 328
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	56	Resp	10551
Ion Ratio	100	Lower	Upper
56	100		
55	73.0	56.2	84.2

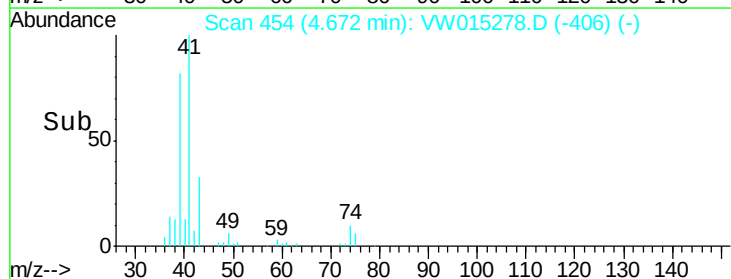
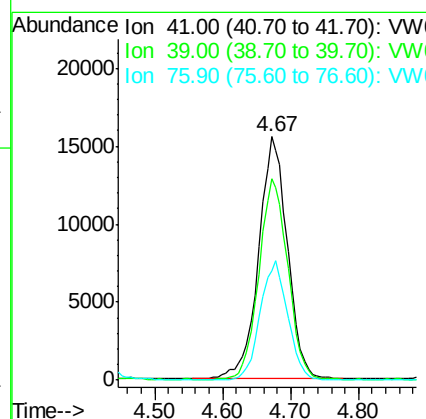
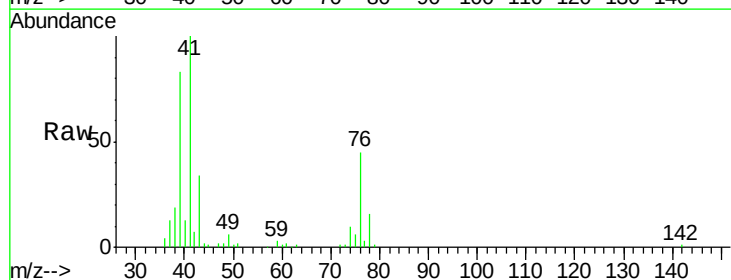
Manual Integrations
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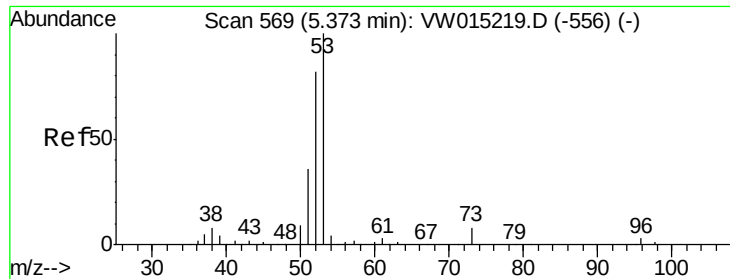
MMDadoda
4/22/2020 11:41:48 AM



#14
Allyl chloride
Concen: 18.869 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion	41	Resp	45994
Ion Ratio	100	Lower	Upper
41	100		
39	83.8	54.0	81.0#
76	46.9	31.8	47.6





#15

Acrylonitrile

Concen: 101.143 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

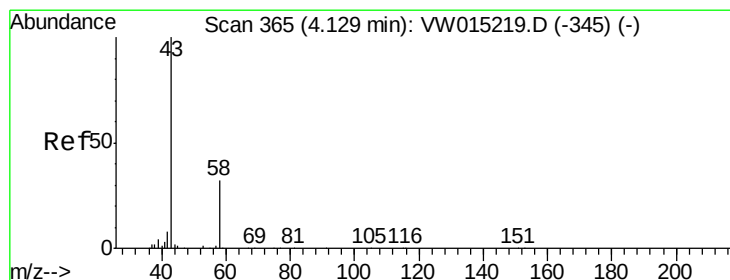
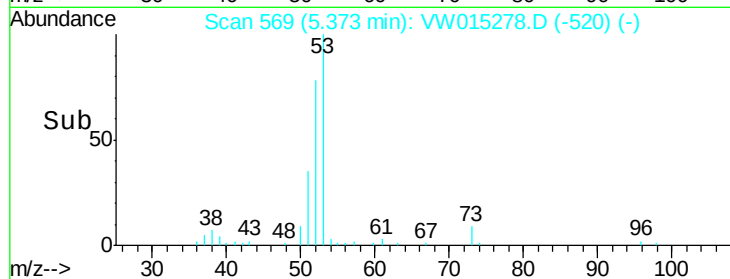
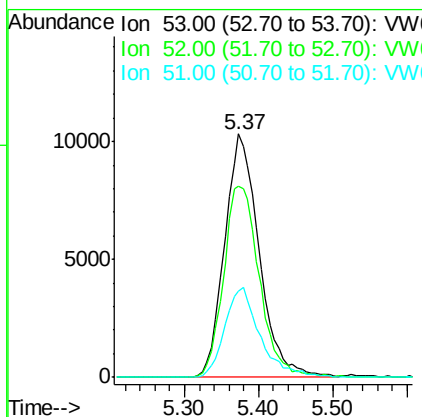
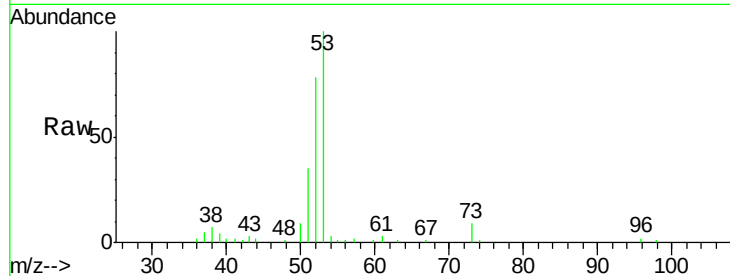
ClientSampled :

VW0421SBS02

Tot Ion:	53	Resp:	33443
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.2	97.8
51	37.6	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 80.087 ug/l

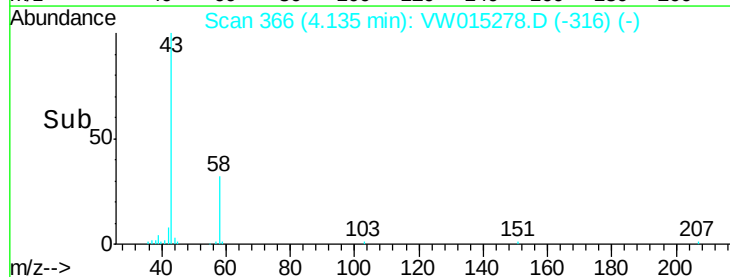
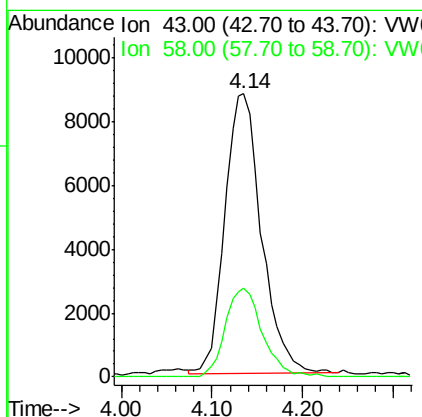
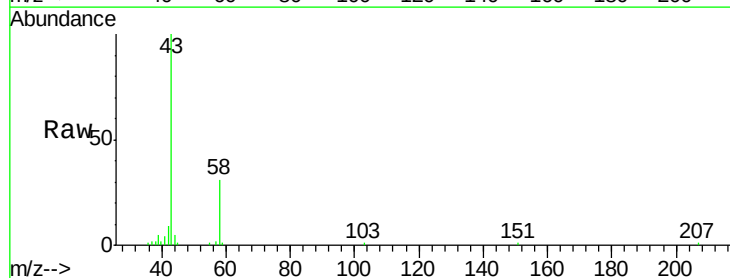
RT: 4.14 min Scan# 366

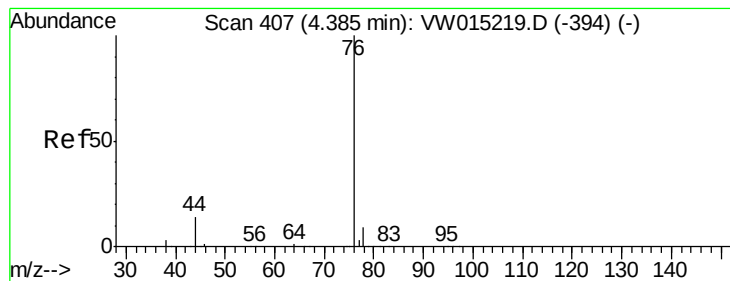
Delta R.T. 0.01 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Tgt Ion:	43	Resp:	24641
Ion	Ratio	Lower	Upper
43	100		
58	31.8	27.0	40.4





#17

Carbon Disulfide

Concen: 19.004 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

ClientSampleId :

VW0421SBS02

Tot Ion: 76 Resp: 103768

Ion Ratio Lower Upper

76 100

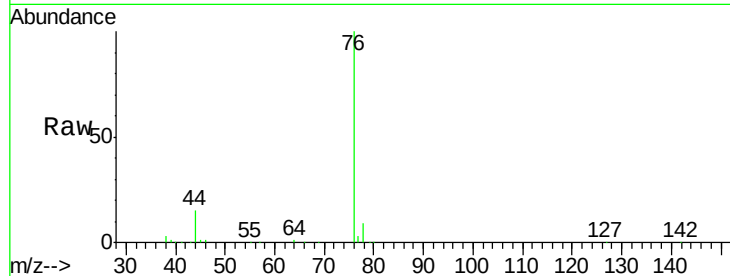
78 9.1 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

40000

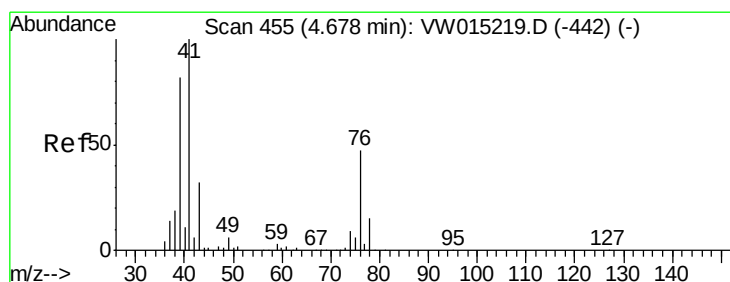
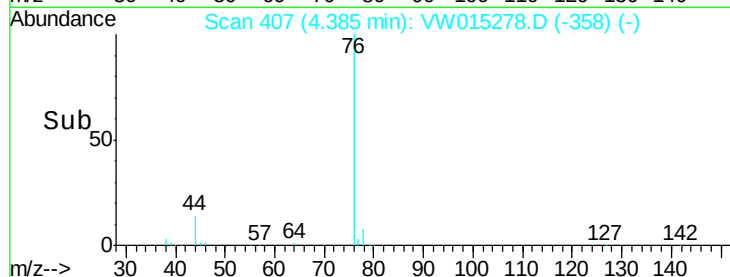
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 20.946 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015278.D

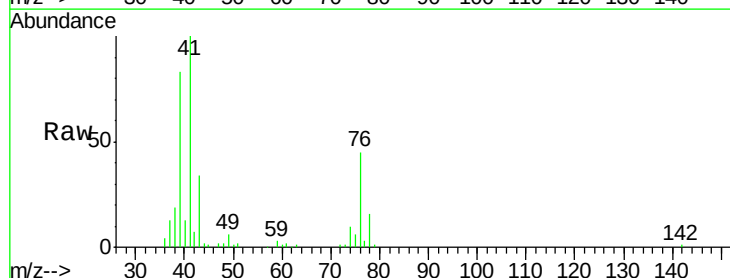
Acq: 21 Apr 2020 22:59

Tgt Ion: 43 Resp: 17059

Ion Ratio Lower Upper

43 100

74 28.5 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

6000

5000

4000

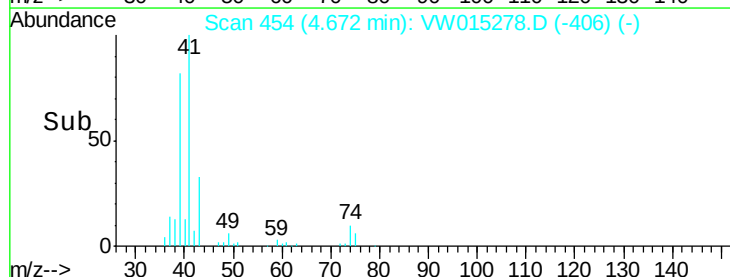
3000

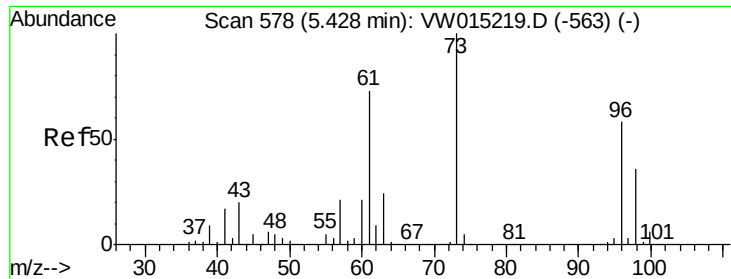
2000

1000

0

Time-->





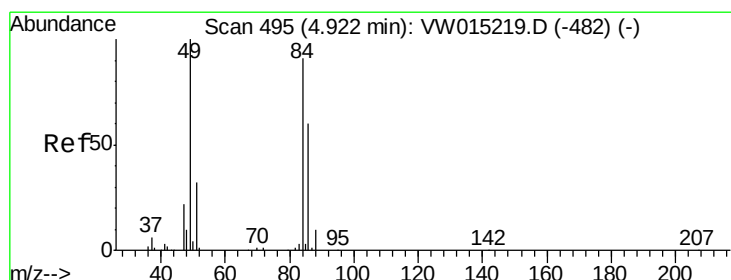
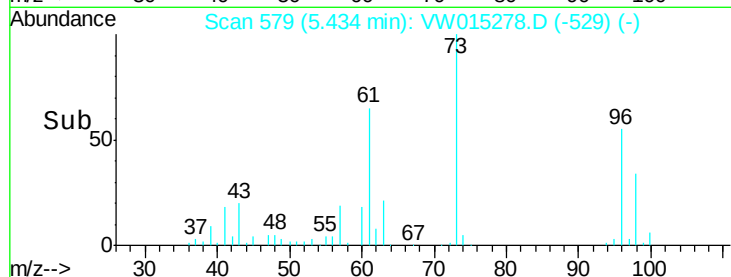
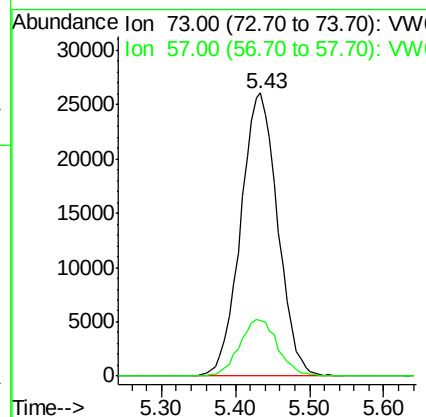
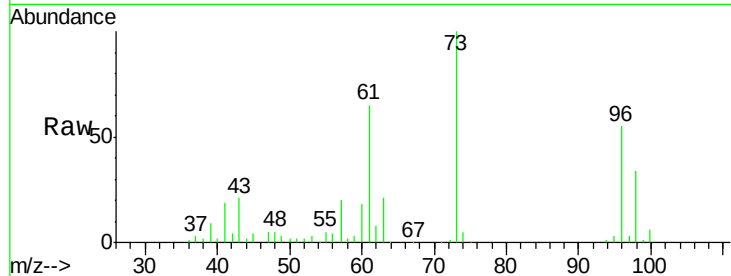
#19
Methyl tert-butyl Ether
Concen: 21.521 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	73	Resp	90772
Ion Ratio	100	Lower	Upper
57	19.5	17.8	26.6

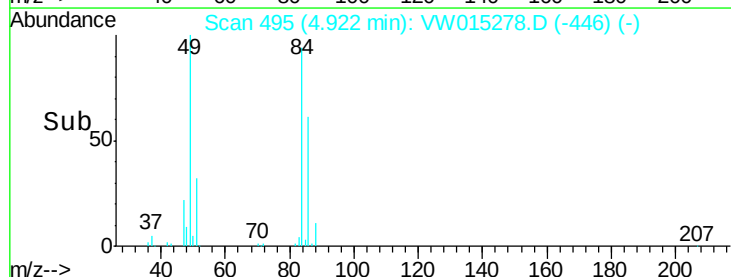
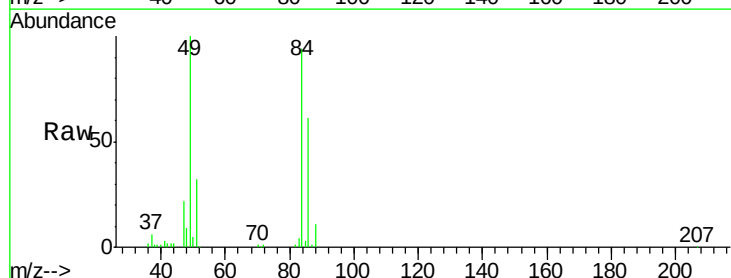
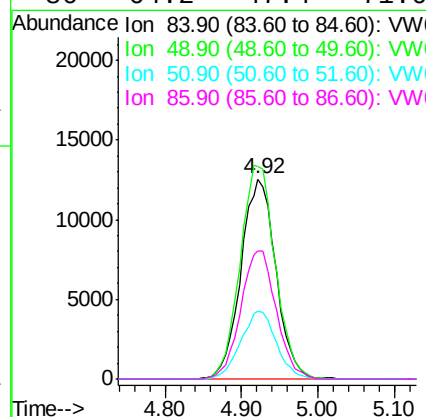
Manual Integrations
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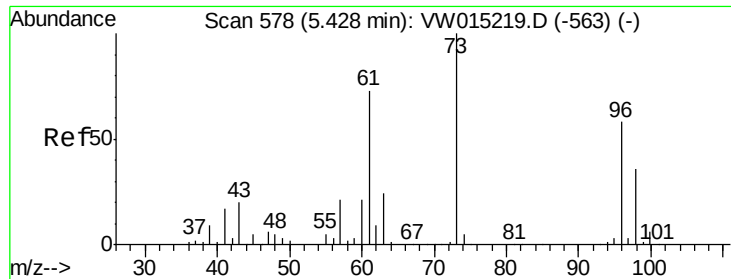
MMDadoda
4/22/2020 11:41:48 AM



#20
Methylene Chloride
Concen: 19.733 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion	84	Resp	39790
Ion Ratio	100	Lower	Upper
49	106.1	95.4	143.0
51	33.7	29.8	44.8
86	64.2	47.4	71.0





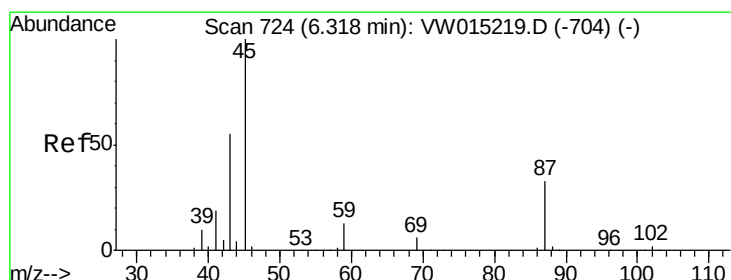
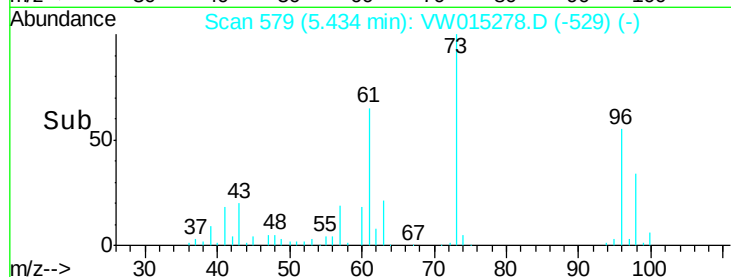
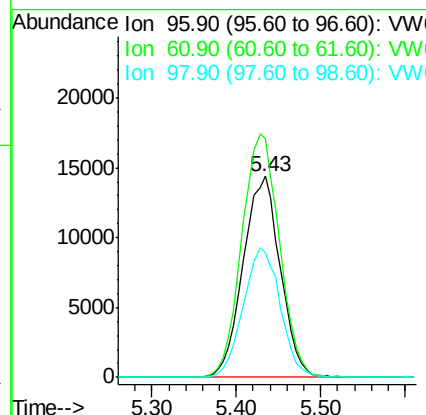
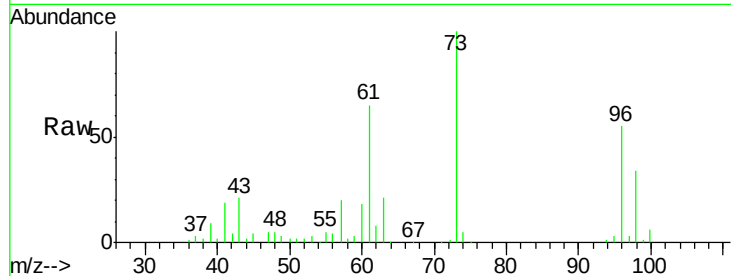
#21
trans-1,2-Dichloroethene
Concen: 20.616 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	118.4	107.8	161.6
98	62.2	50.2	75.2

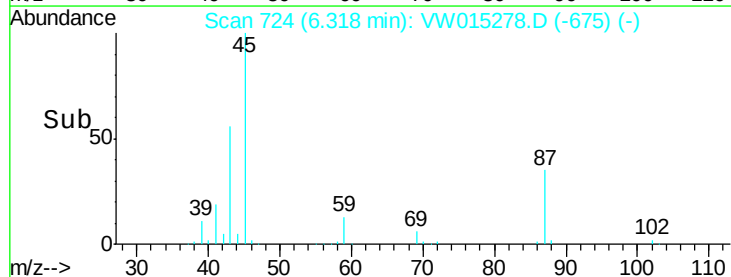
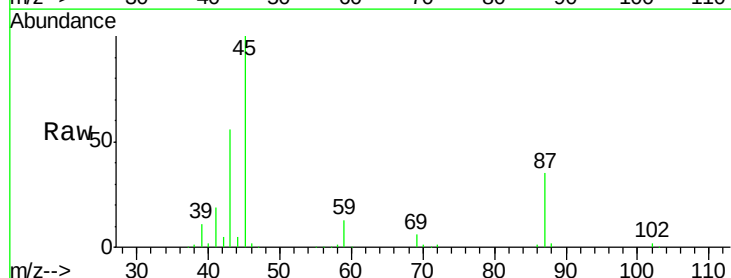
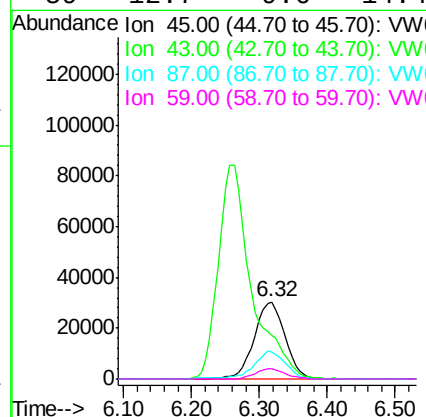
Manual Integrations
APPROVED

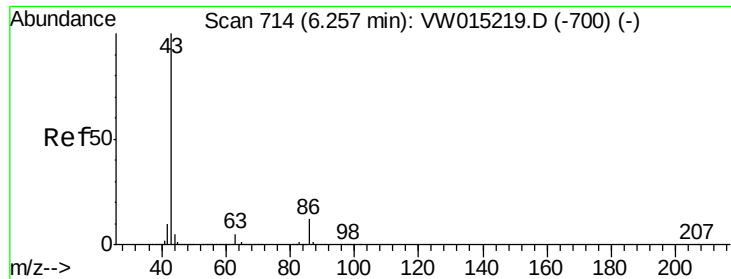
MMDadoda
4/22/2020 11:41:48 AM



#22
Diisopropyl ether
Concen: 20.625 ug/l
RT: 6.32 min Scan# 724
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.8	41.8	62.6
87	34.8	23.2	34.8#
59	12.7	9.6	14.4





#23

Vinyl Acetate

Concen: 104.729 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

ClientSampleId :

VW0421SBS02

Tot Ion: 43 Resp: 287381

Ion Ratio Lower Upper

43 100

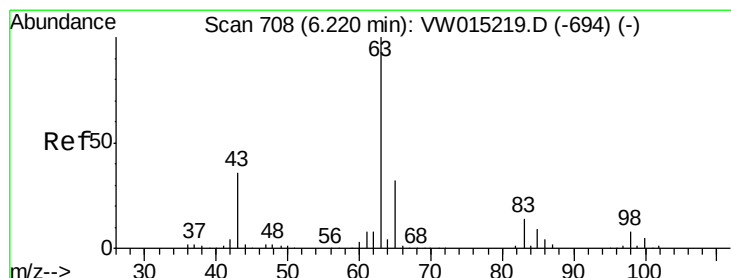
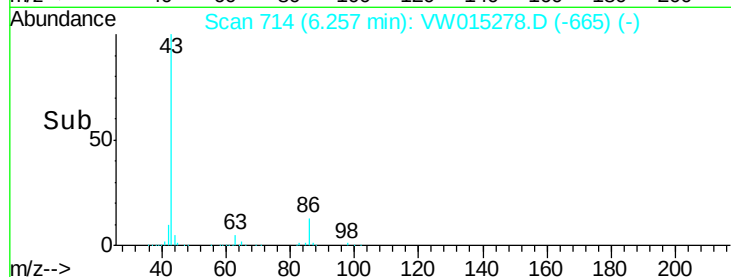
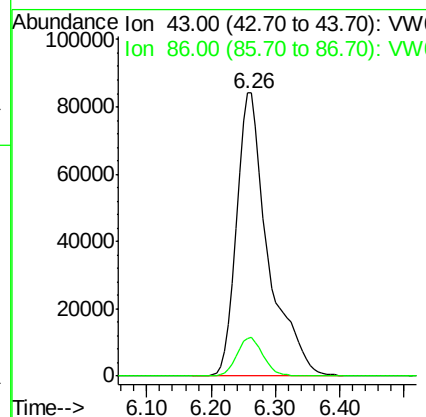
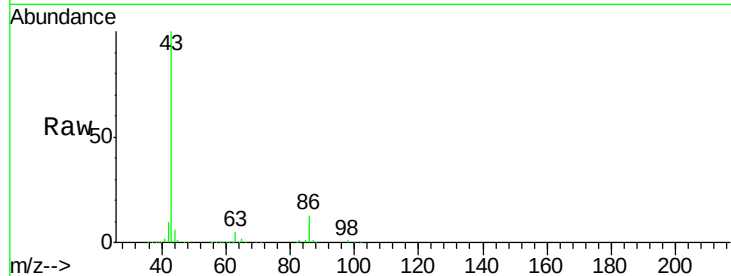
86 13.2 9.1 13.7

Manual Integrations

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MMDadoda

4/22/2020 11:41:48 AM



#24

1,1-Dichloroethane

Concen: 20.408 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

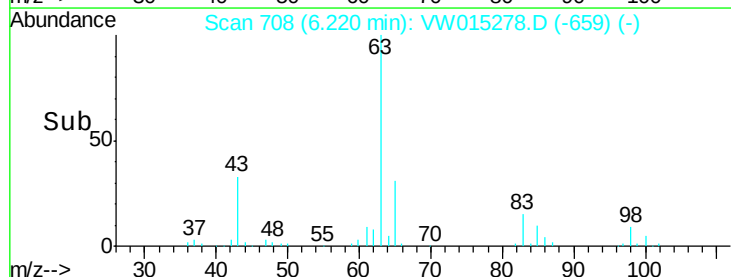
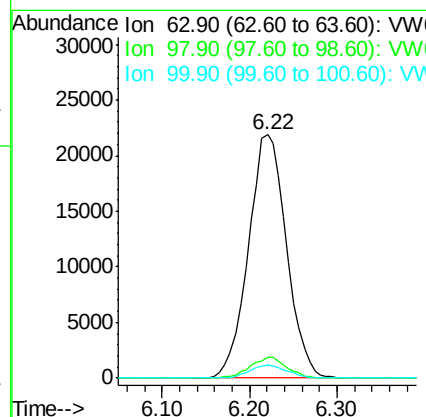
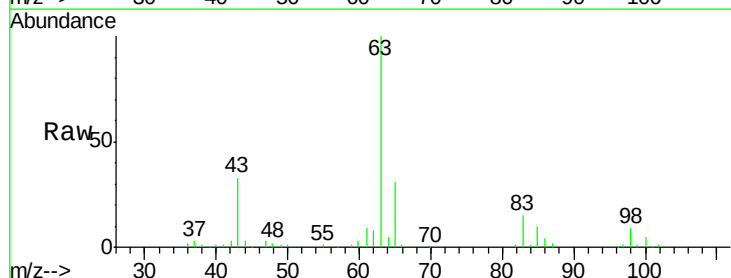
Tgt Ion: 63 Resp: 66136

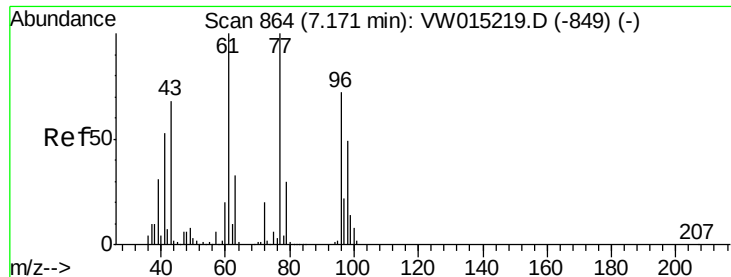
Ion Ratio Lower Upper

63 100

98 8.6 3.6 10.9

100 5.4 2.4 7.2





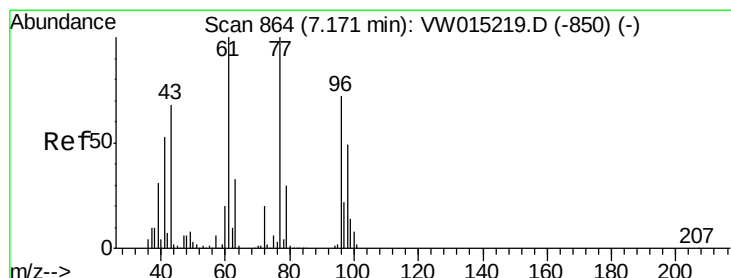
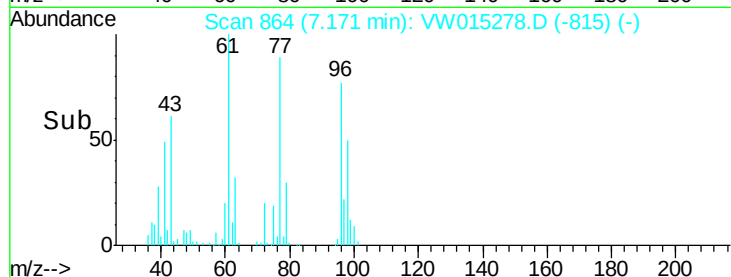
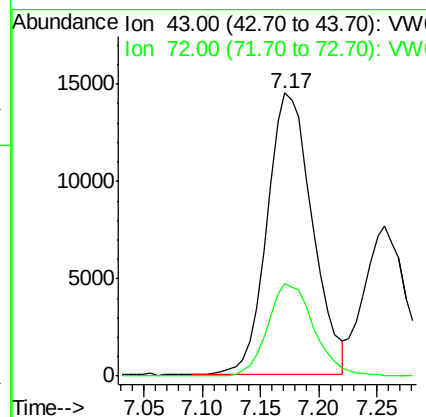
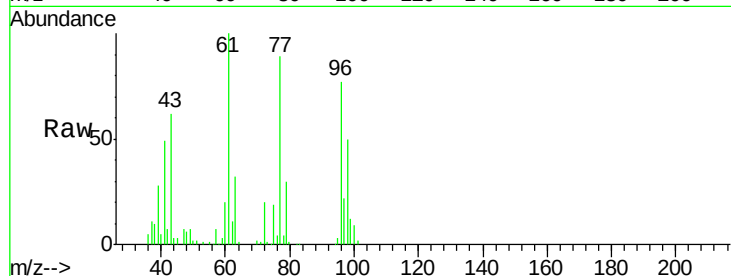
#25
2-Butanone
Concen: 95.383 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion: 43 Resp: 38936
Ion Ratio Lower Upper
43 100
72 33.1 21.6 32.4#

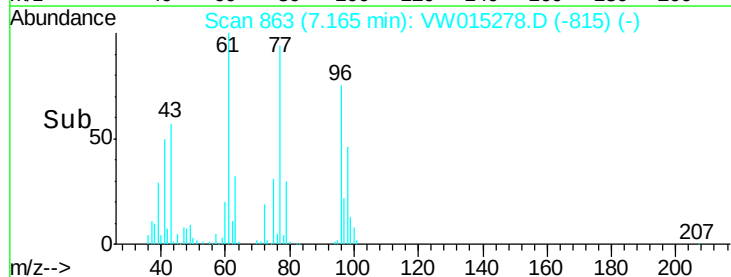
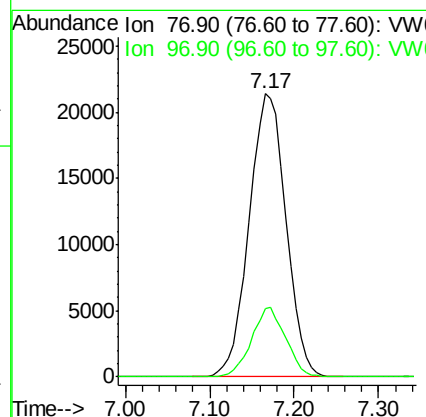
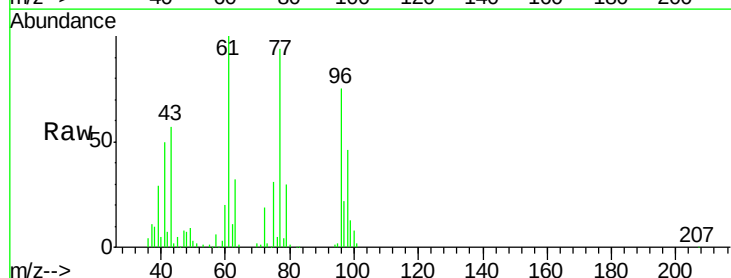
Manual Integrations
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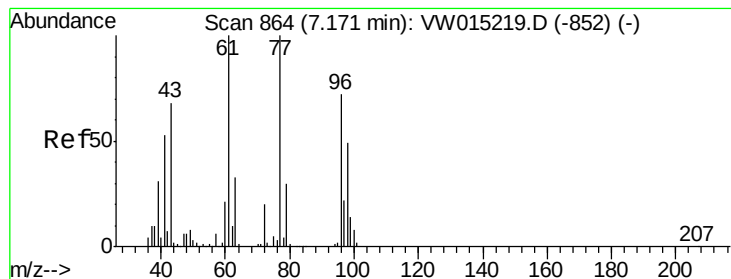
MMDadoda
4/22/2020 11:41:48 AM



#26
2,2-Dichloropropane
Concen: 18.662 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion: 77 Resp: 63626
Ion Ratio Lower Upper
77 100
97 22.7 11.9 35.5





#27

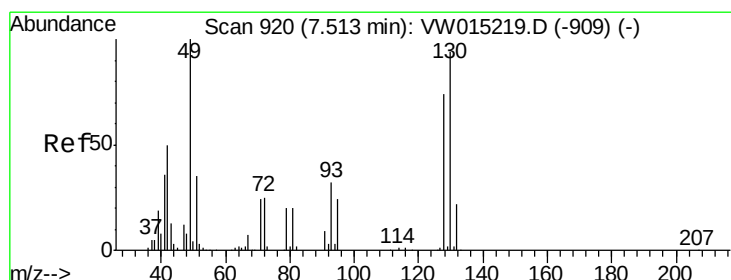
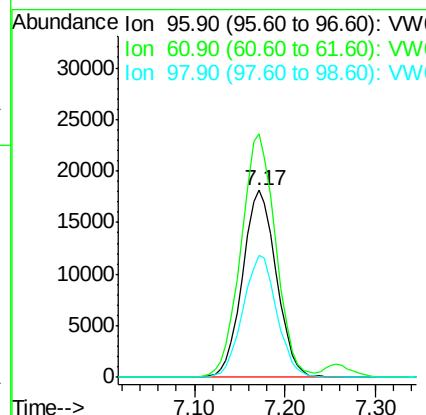
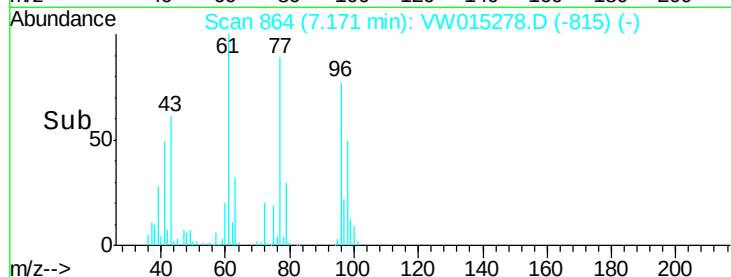
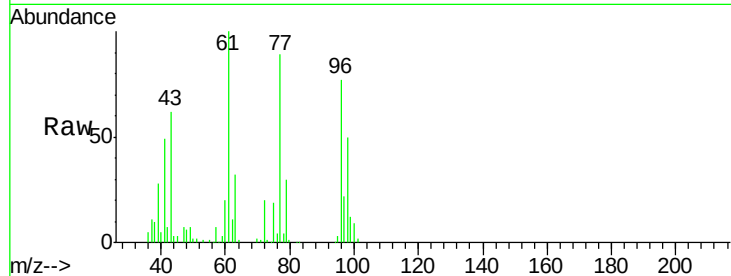
cis-1,2-Dichloroethene
 Concen: 20.856 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.3	0.0	275.0
98	65.0	0.0	130.8

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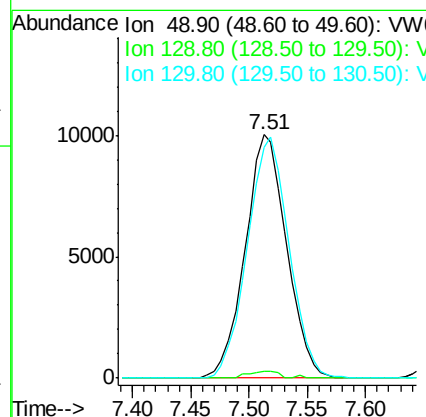
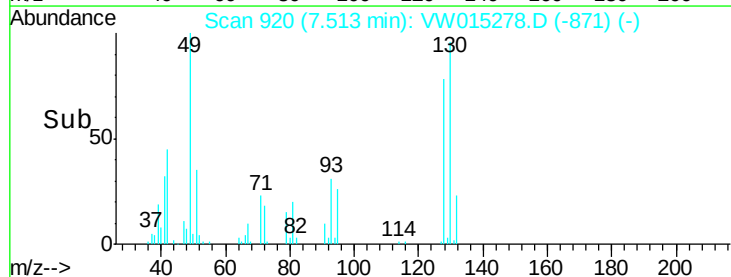
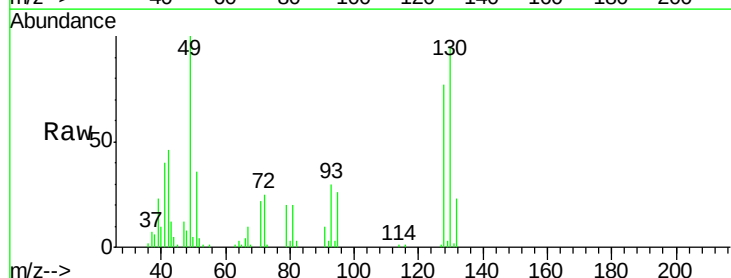
MMDadoda
 4/22/2020 11:41:48 AM

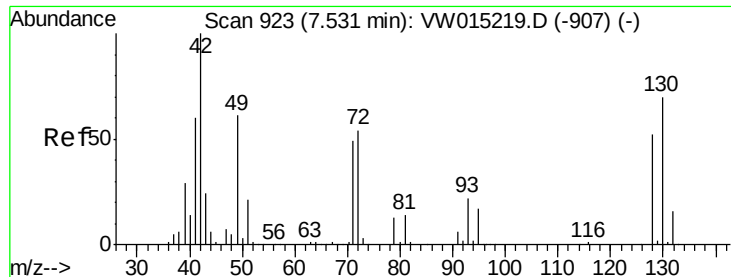


#28

Bromochloromethane
 Concen: 21.010 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	99.4	60.9	91.3#





#29

Tetrahydrofuran

Concen: 105.092 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

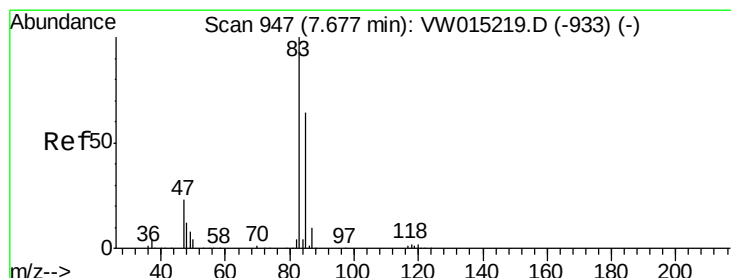
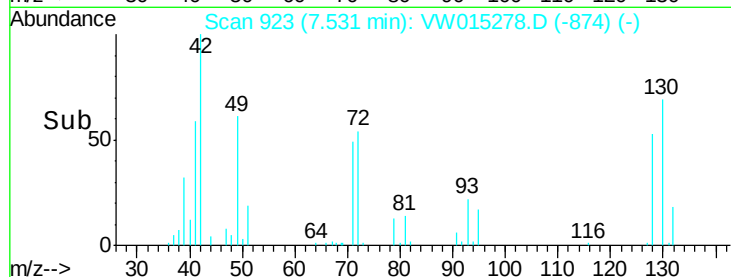
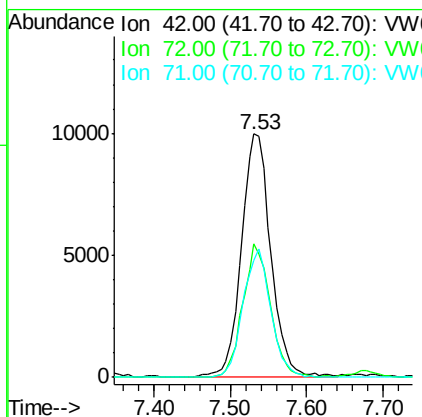
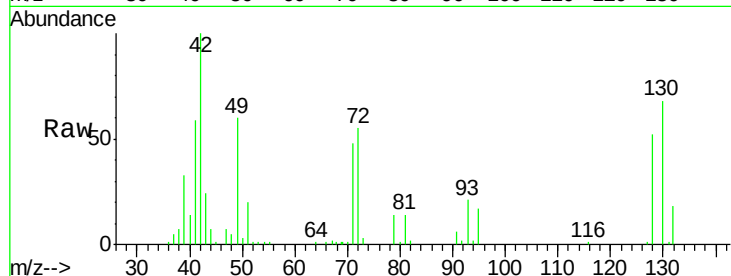
ClientSampleId :

VW0421SBS02

Tot Ion:	42	Resp:	26727
Ion Ratio		Lower	Upper
42	100		
72	51.2	36.2	54.2
71	49.5	34.2	51.4

Manual Integrations
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#30

Chloroform

Concen: 21.266 ug/l

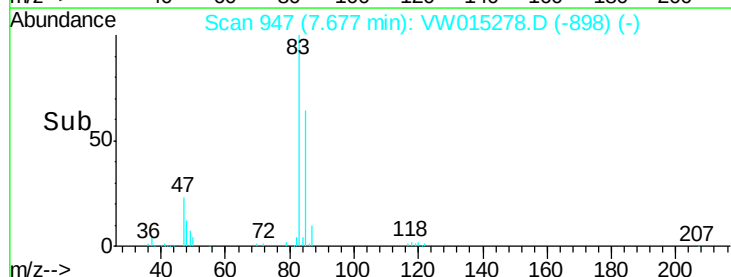
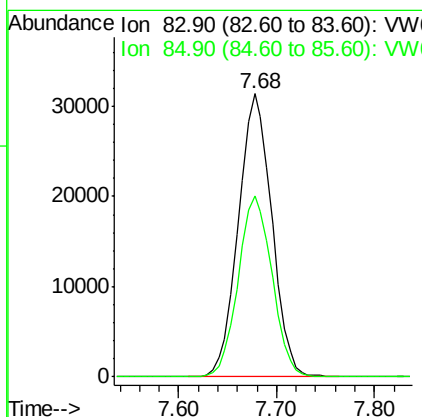
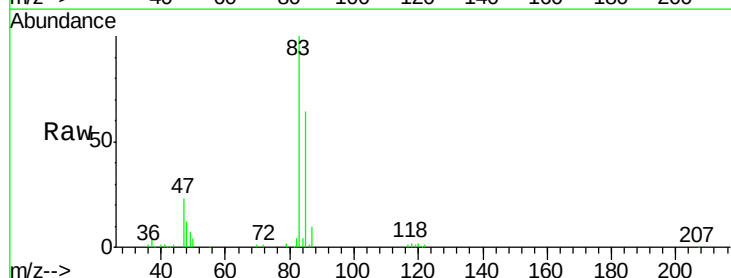
RT: 7.68 min Scan# 947

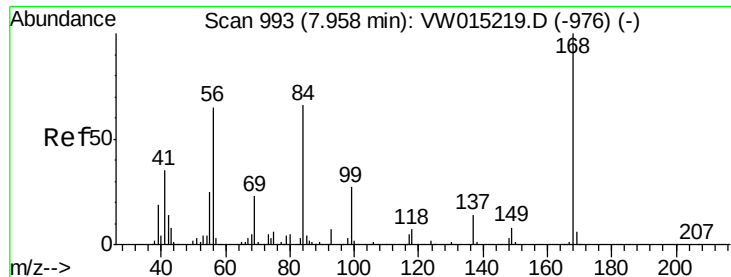
Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Tgt Ion:	83	Resp:	74382
Ion Ratio		Lower	Upper
83	100		
85	63.8	50.9	76.3





#31

Cyclohexane

Concen: 19.049 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

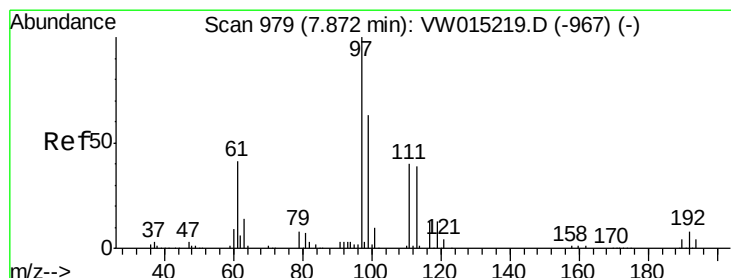
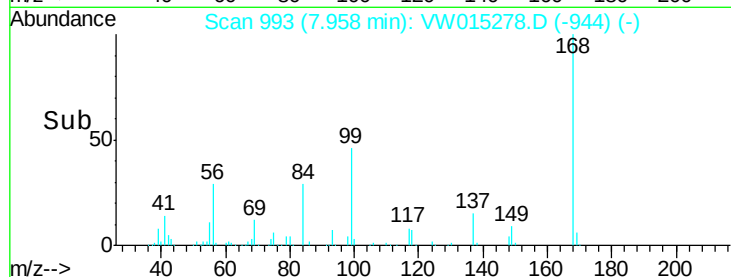
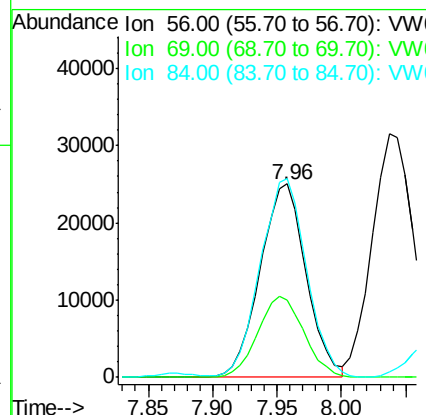
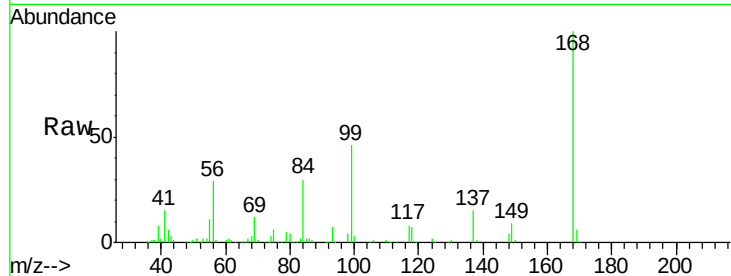
ClientSampleId :

VW0421SBS02

Tot Ion:	56	Resp:	62053
Ion	Ratio	Lower	Upper
56	100		
69	40.2	27.1	40.7
84	101.1	71.9	107.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.287 ug/l

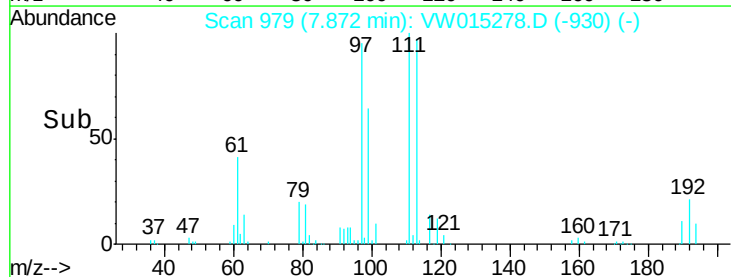
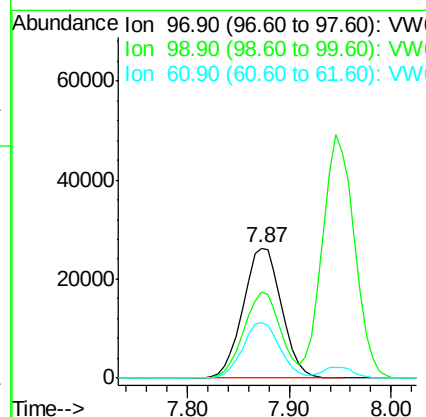
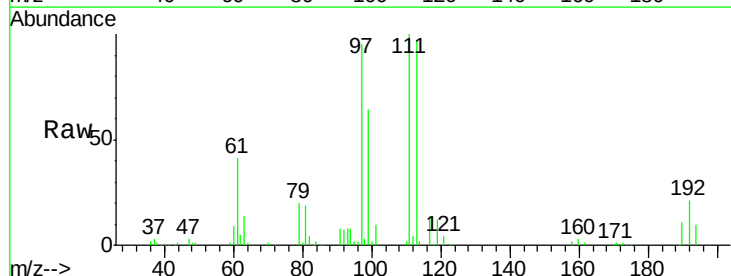
RT: 7.87 min Scan# 979

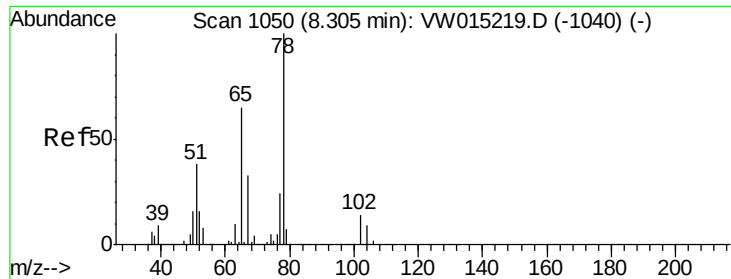
Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Tgt Ion:	97	Resp:	68484
Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.2	78.2
61	41.9	34.2	51.2





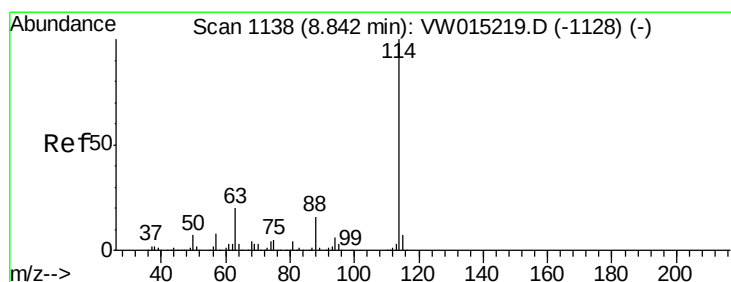
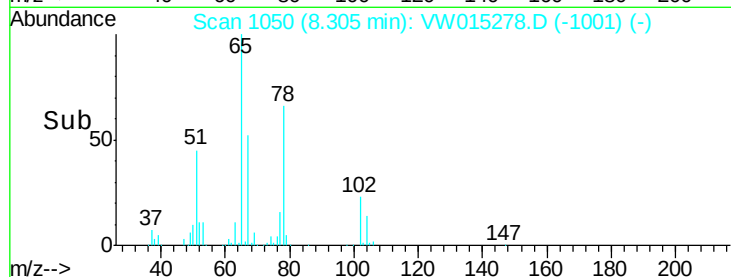
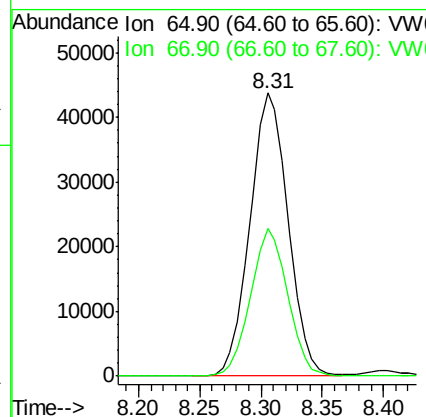
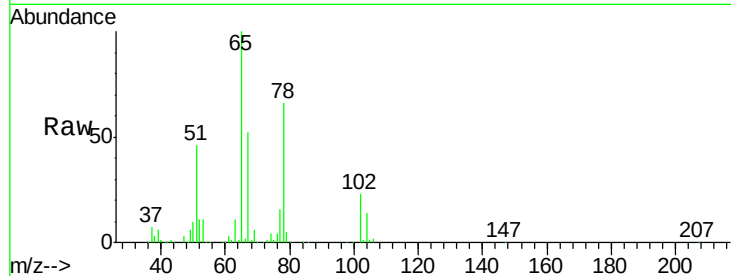
#33
 1,2-Dichloroethane-d4
 Concen: 53.941 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	95021		
67	50.9	0.0	107.0	

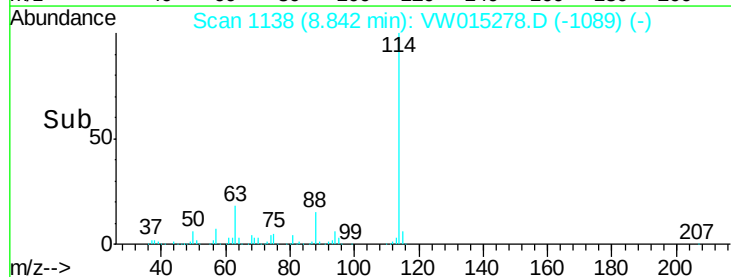
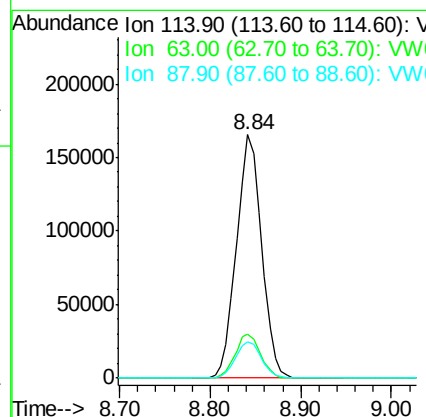
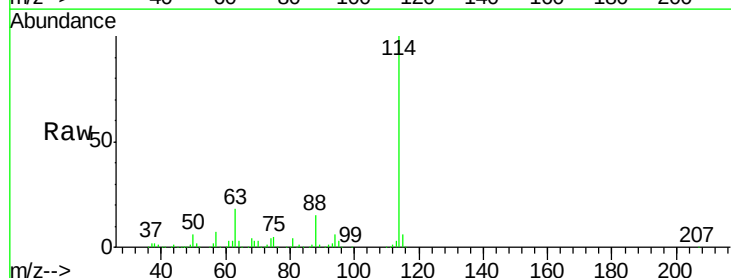
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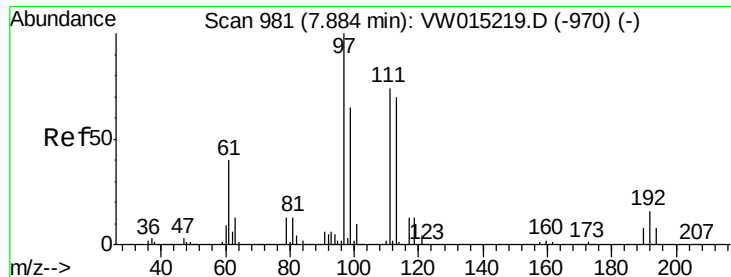
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 4/22/2020 11:41:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	318600		
63	18.1	0.0	39.8	
88	14.9	0.0	30.2	





#35

Dibromofluoromethane

Concen: 53.228 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

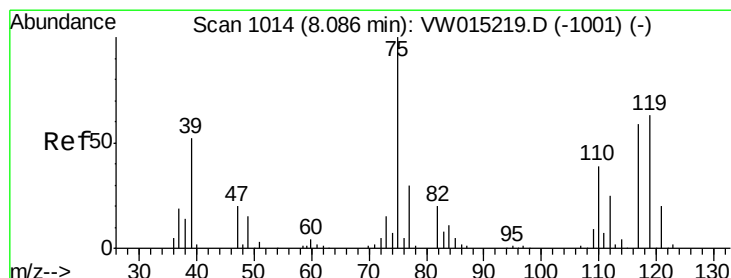
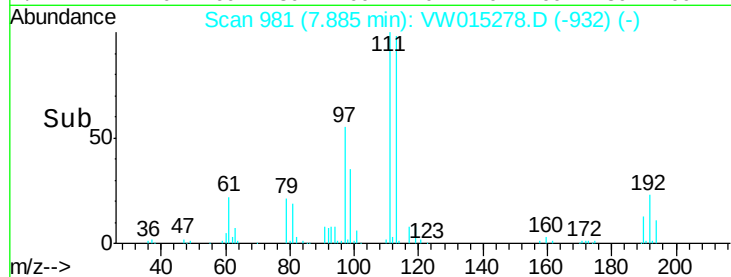
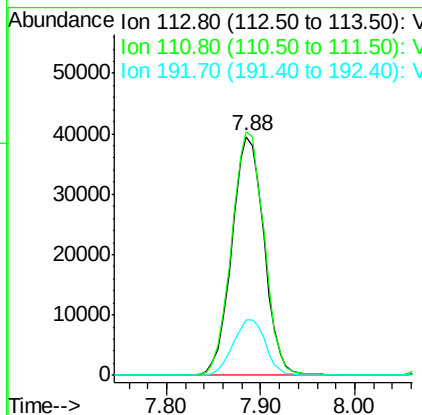
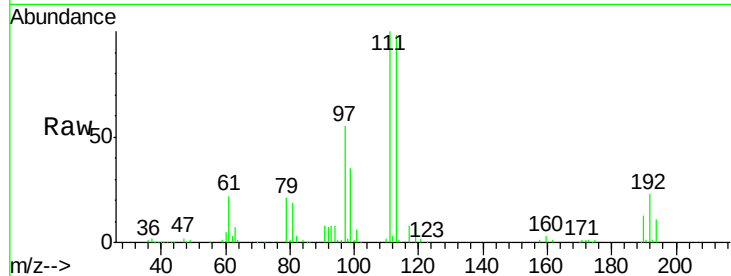
ClientSampled :

VW0421SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	93935		
111	103.2	83.0	124.4	
192	23.5	15.1	22.7	

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.591 ug/l

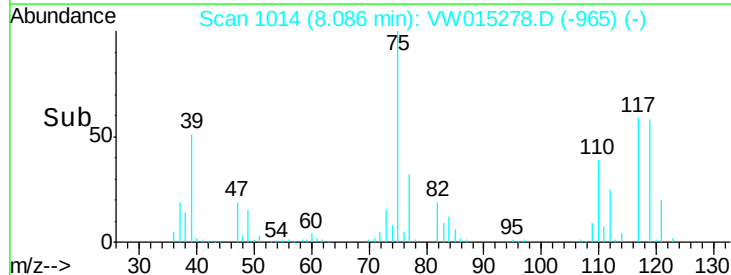
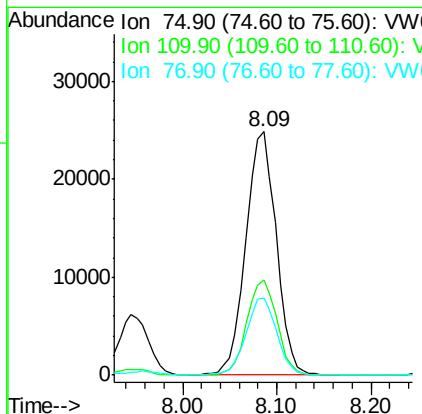
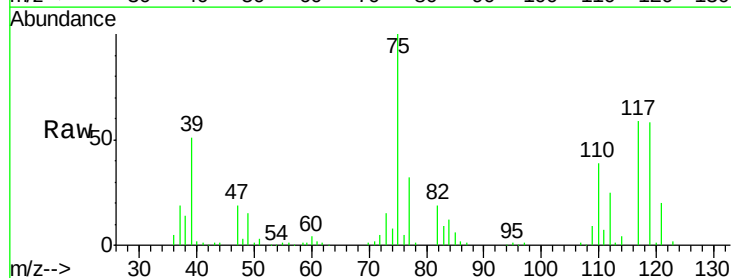
RT: 8.09 min Scan# 1014

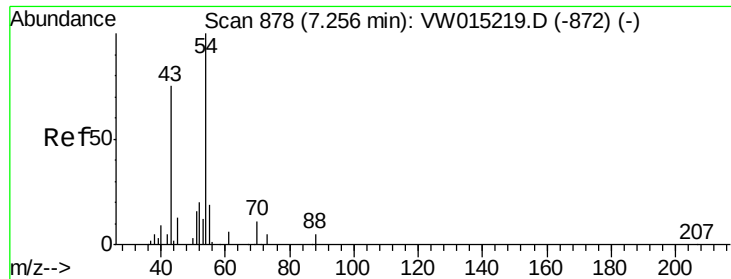
Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	56334		
110	38.5	18.2	54.6	
77	31.9	24.5	36.7	





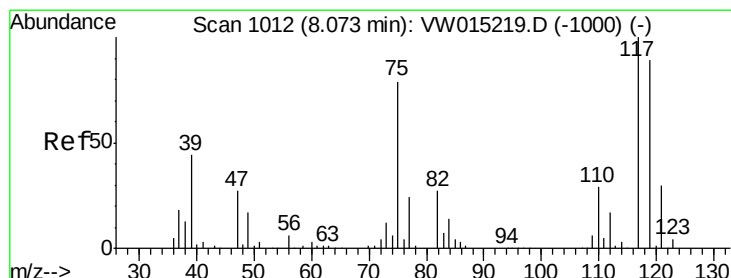
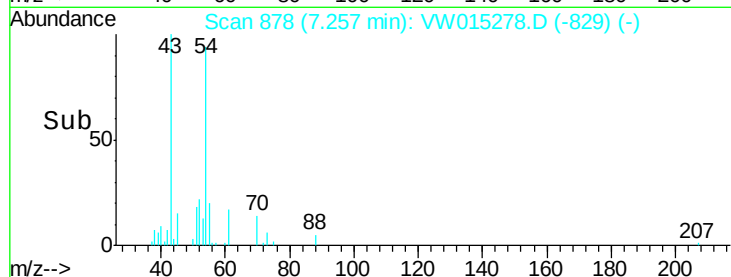
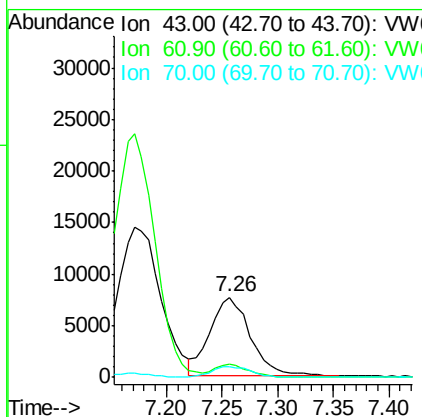
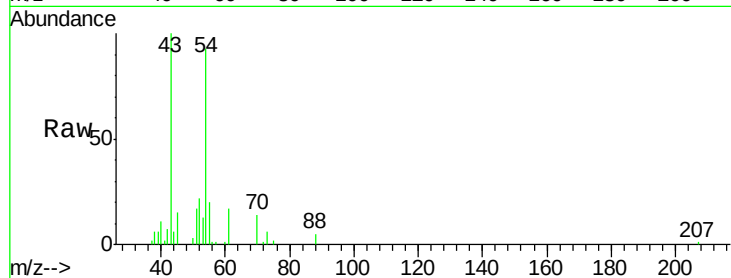
#37
Ethyl Acetate
Concen: 20.548 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.9	17.9
70	13.8	8.8	13.2

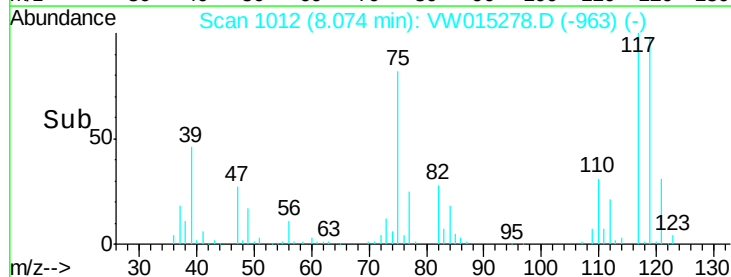
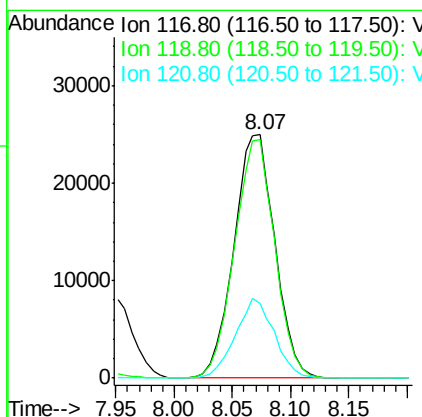
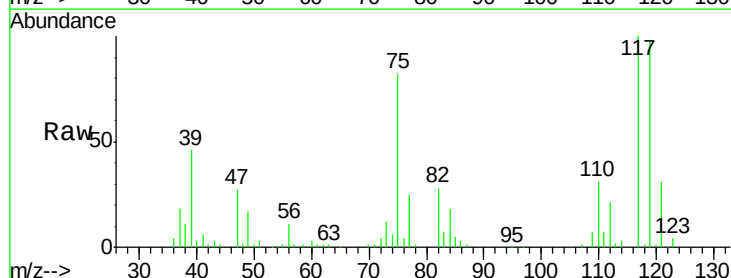
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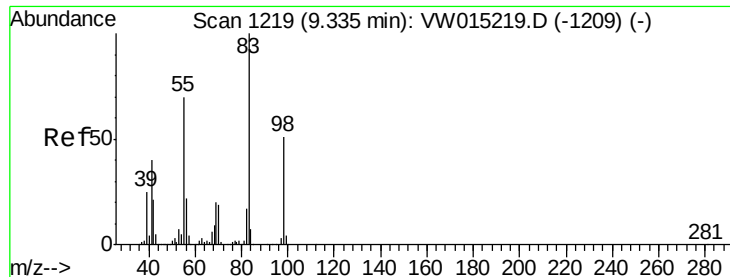
MMDadoda
4/22/2020 11:41:48 AM



#38
Carbon Tetrachloride
Concen: 19.449 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	72.3	108.5
121	30.7	23.7	35.5





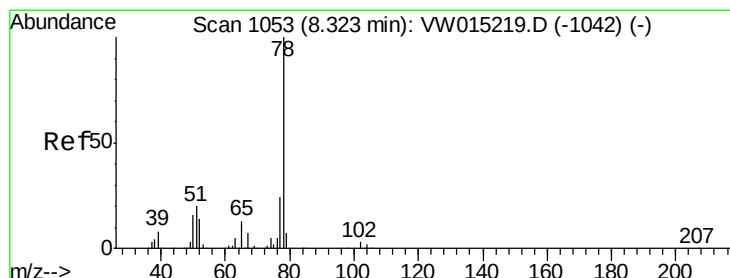
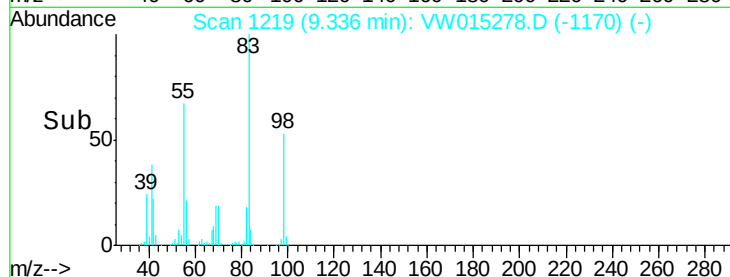
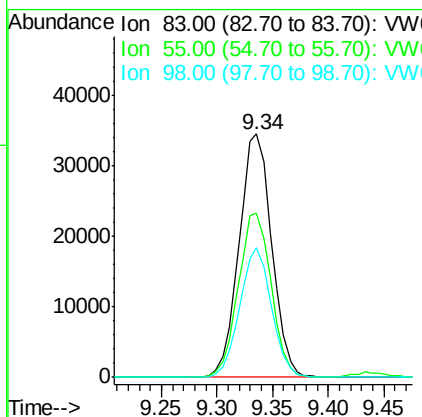
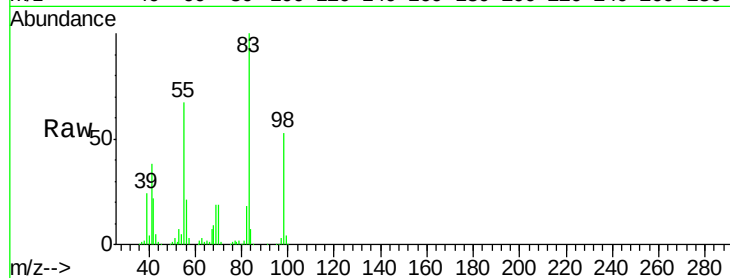
#39
Methvlcvclohexane
Concen: 18.354 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.2	58.1	87.1
98	53.0	40.2	60.4

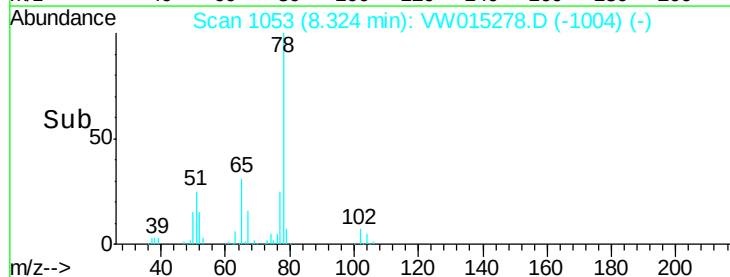
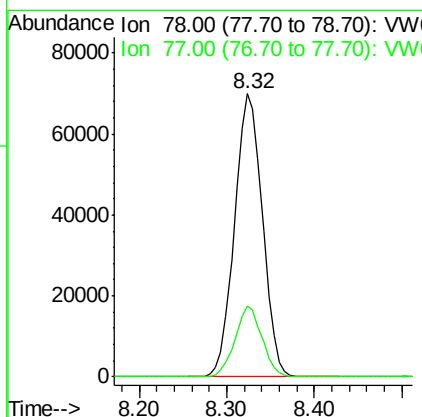
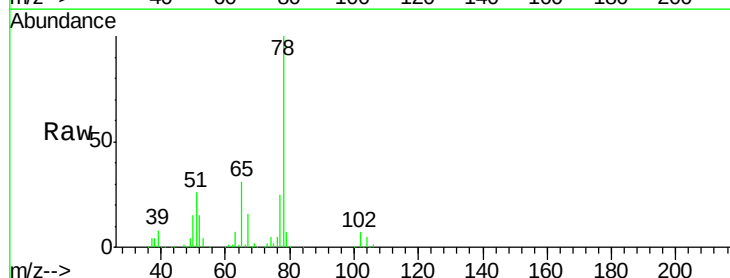
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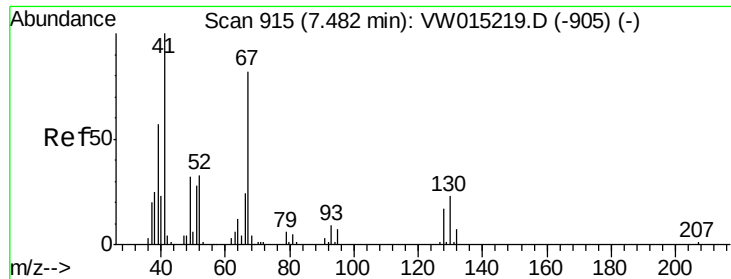
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#40
Benzene
Concen: 20.184 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.2	27.2





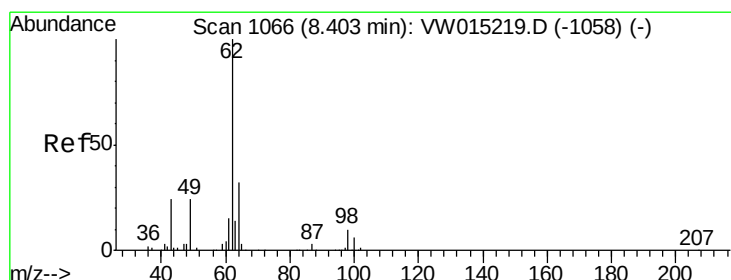
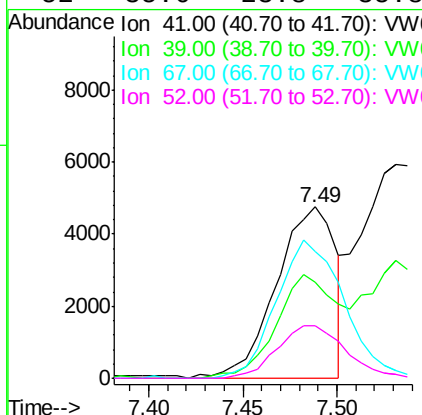
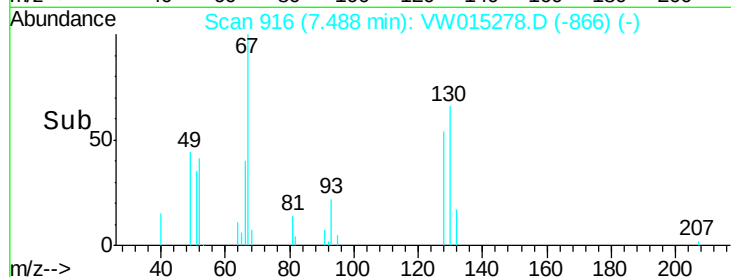
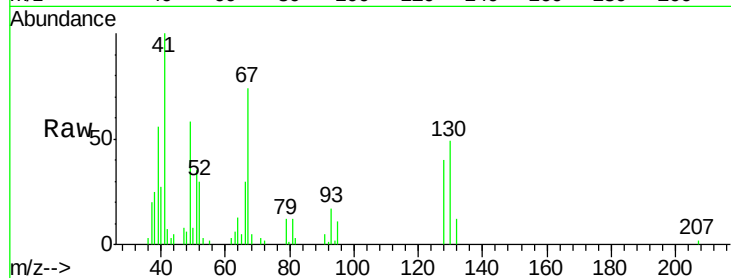
#41
Methacrylonitrile
Concen: 18.548 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	64.7	41.9	62.9#		
67	92.9	60.6	91.0#		
52	35.6	23.8	35.8		

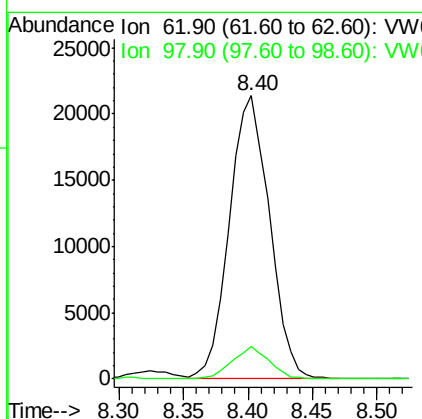
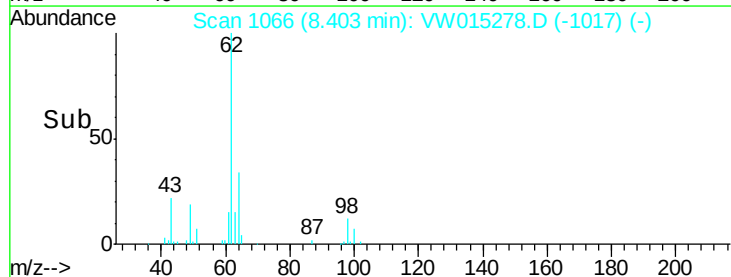
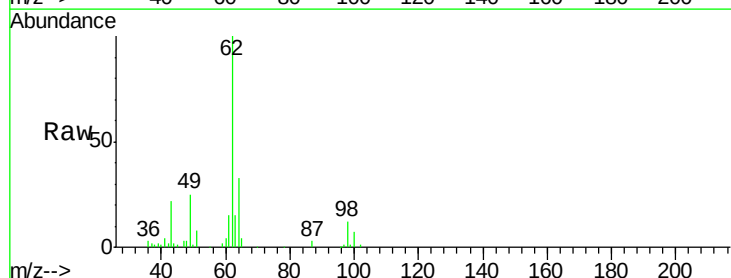
Manual Integrations
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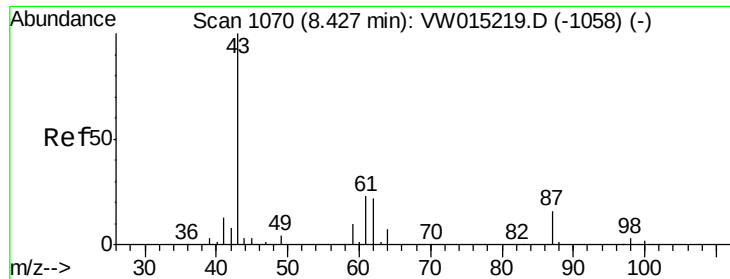
MMDadoda
4/22/2020 11:41:48 AM



#42
1,2-Dichloroethane
Concen: 20.493 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.6	0.0	20.4		





#43

Isopropyl Acetate

Concen: 19.837 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

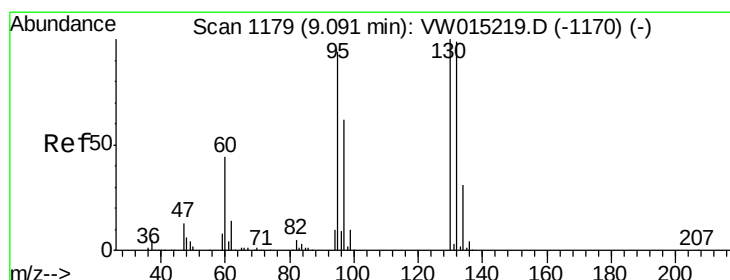
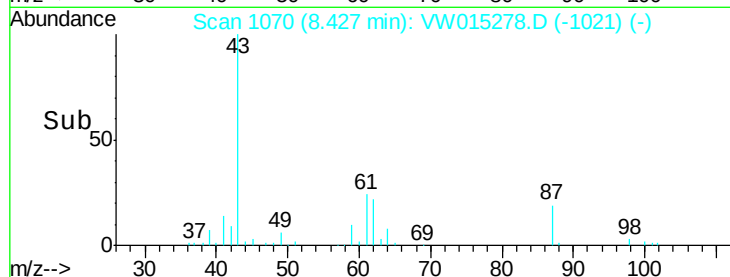
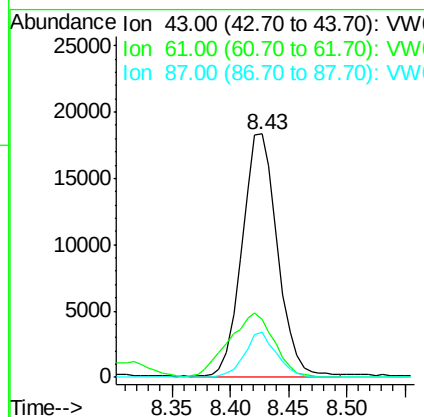
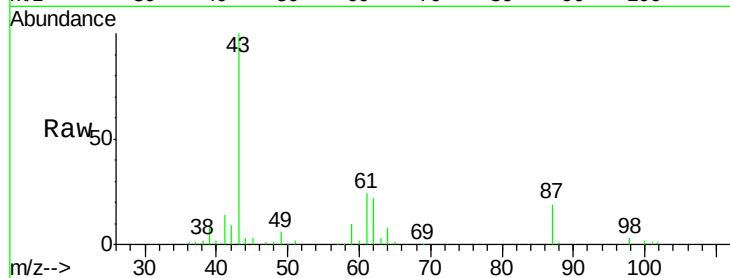
ClientSampleId :

VW0421SBS02

Tot Ion:	43	Resp:	38827
Ion	Ratio	Lower	Upper
43	100		
61	34.1	24.8	37.2
87	16.8	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 20.995 ug/l

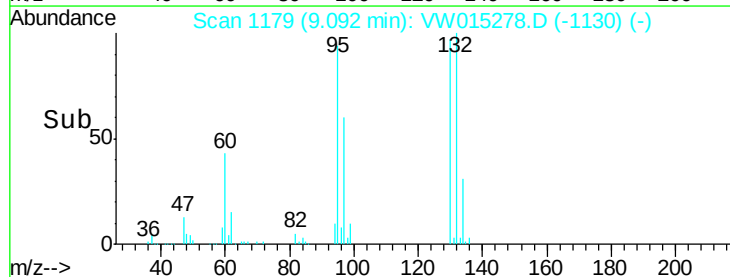
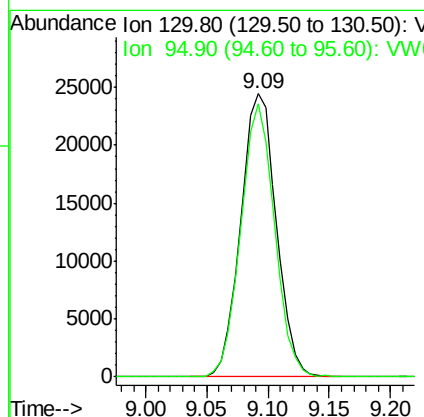
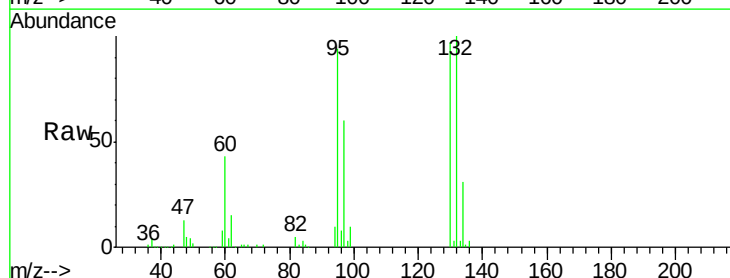
RT: 9.09 min Scan# 1179

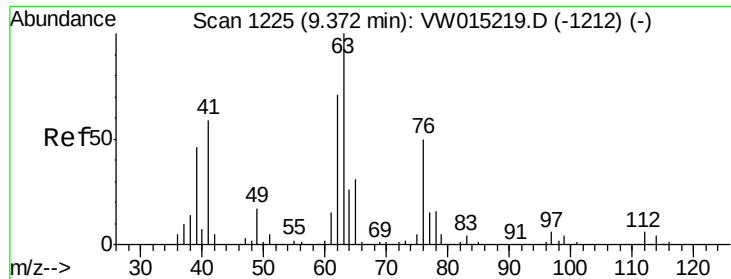
Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Tgt Ion:	130	Resp:	49329
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	196.4





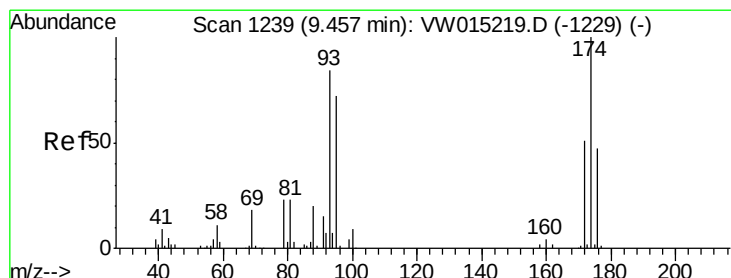
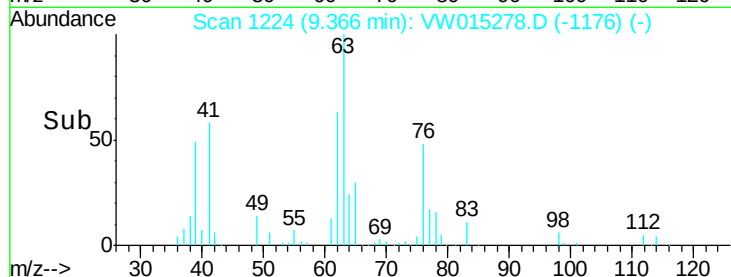
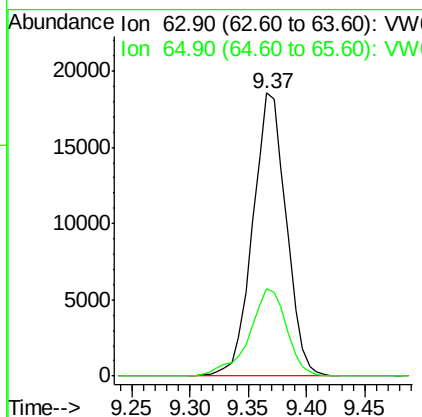
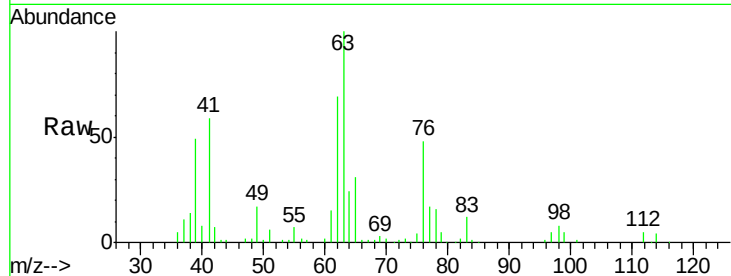
#45
 1,2-Dichloropropane
 Concen: 20.710 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Instrument :
 MSVOA_W
 ClientSampled :
 VW0421SBS02

Tot Ion: 63 Resp: 36995
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.5 38.3

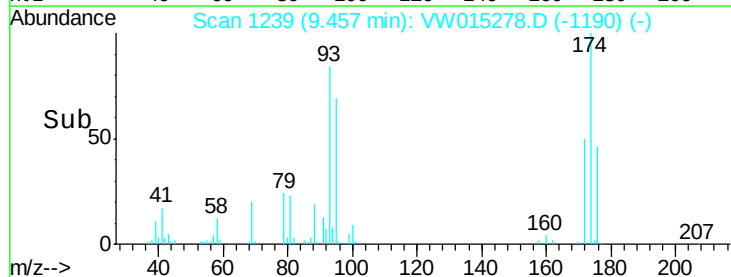
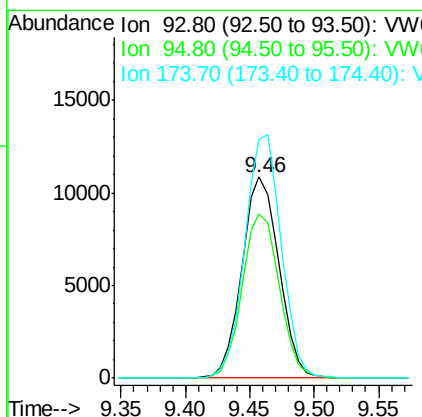
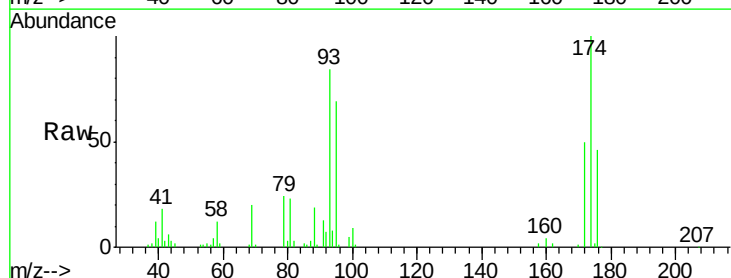
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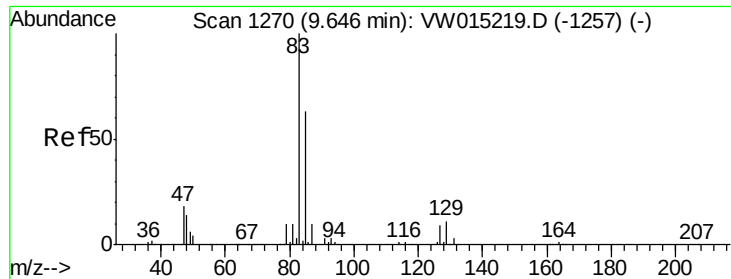
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#46
 Dibromomethane
 Concen: 20.907 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion: 93 Resp: 21603
 Ion Ratio Lower Upper
 93 100
 95 81.9 67.5 101.3
 174 118.7 74.1 111.1#





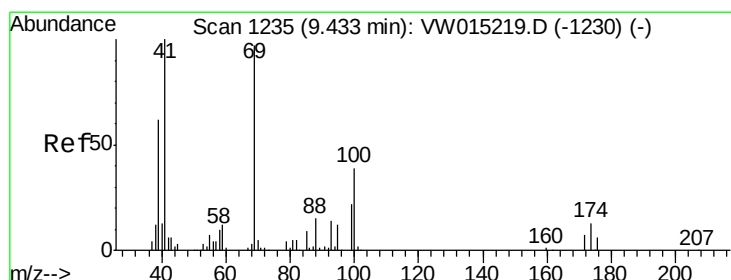
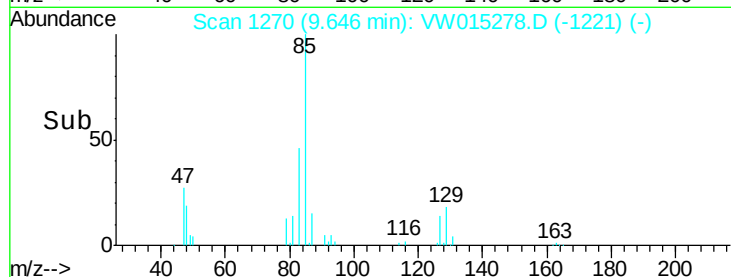
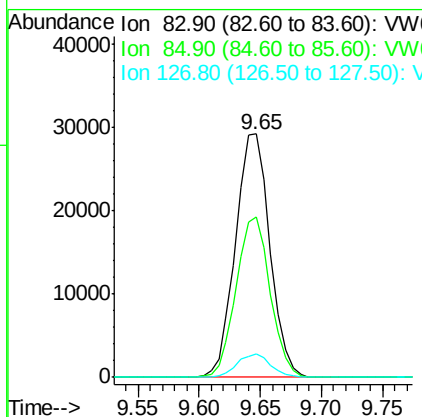
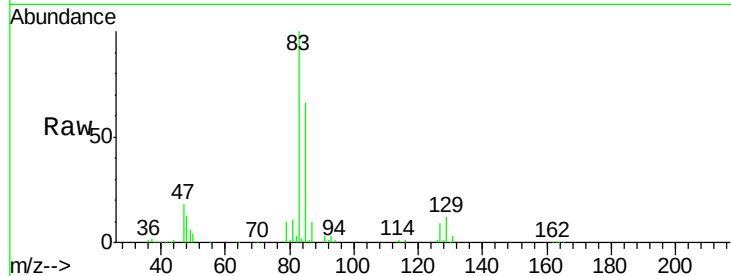
#47
 Bromodichloromethane
 Concen: 20.647 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Tot Ion	83	Resp	57032
Ion Ratio	100	Lower	Upper
83	100		
85	65.9	50.6	76.0
127	9.5	6.7	10.1

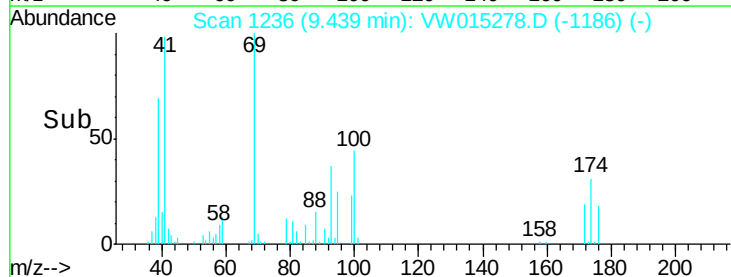
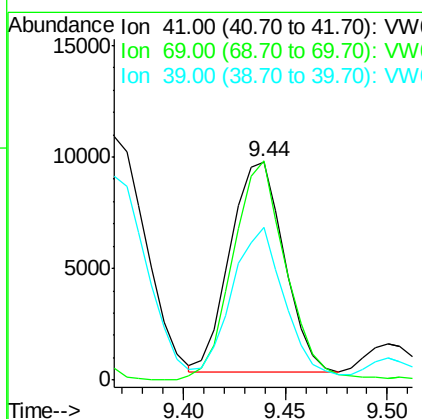
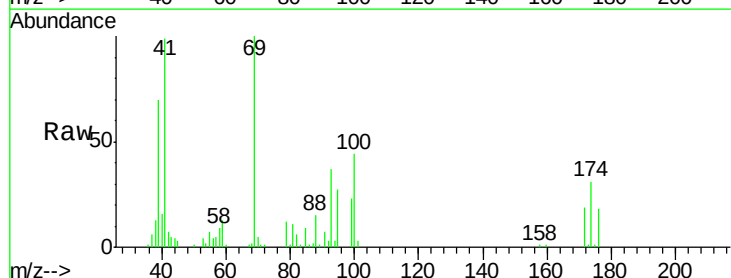
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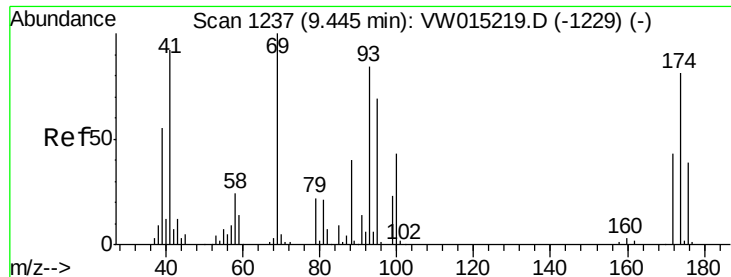
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#48
 Methyl methacrylate
 Concen: 18.695 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion	41	Resp	17298
Ion Ratio	100	Lower	Upper
41	100		
69	103.3	70.6	105.8
39	72.2	42.6	64.0#





#49

1,4-Dioxane

Concen: 383.588 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

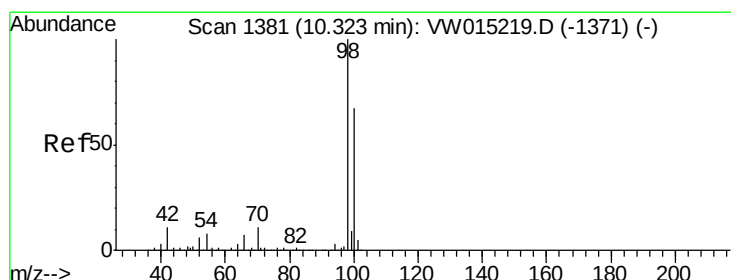
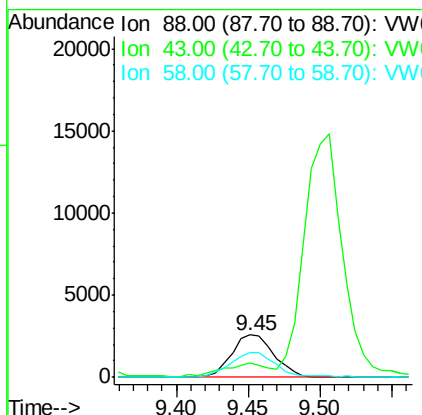
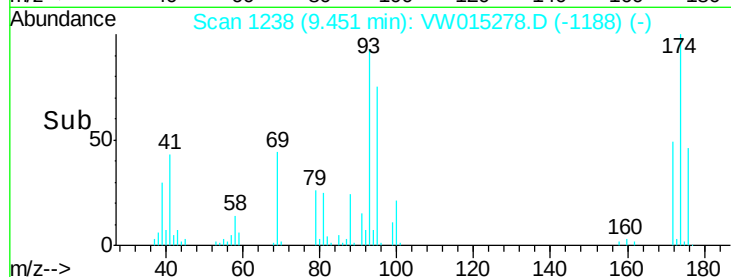
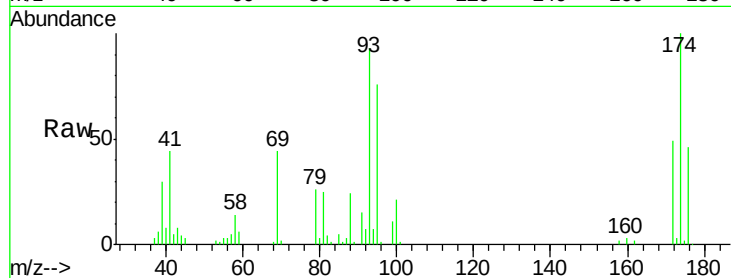
ClientSampleId :

VW0421SBS02

Tot Ion:	88	Resp:	5284
Ion	Ratio	Lower	Upper
88	100		
43	33.4	23.5	35.3
58	64.0	55.4	83.2

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#50

Toluene-d8

Concen: 48.353 ug/l

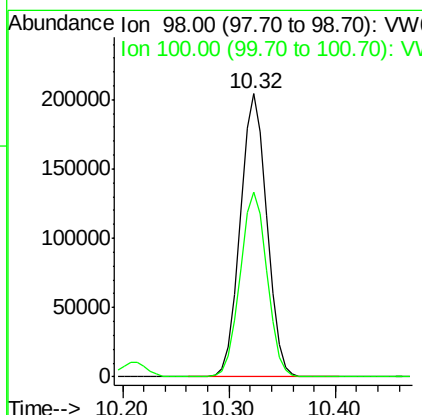
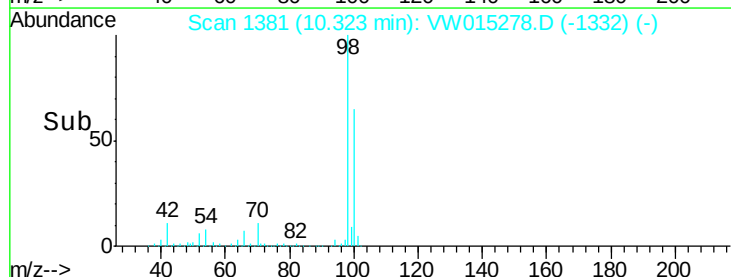
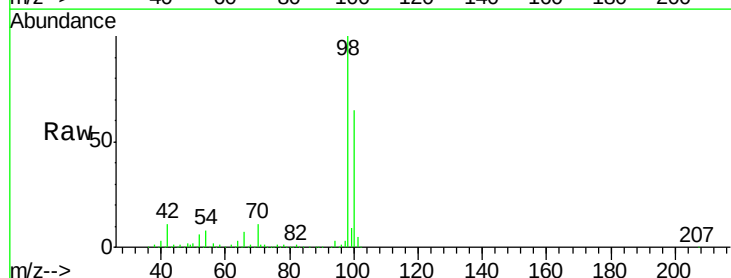
RT: 10.32 min Scan# 1381

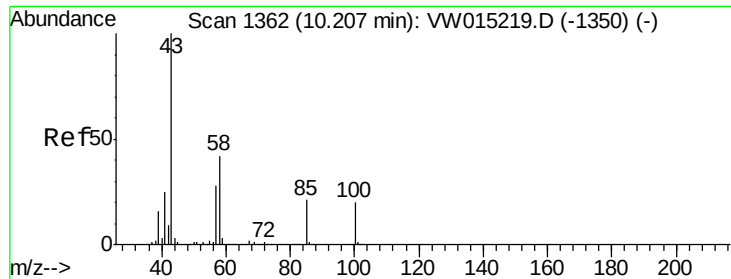
Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Tgt Ion:	98	Resp:	358971
Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.9	79.3





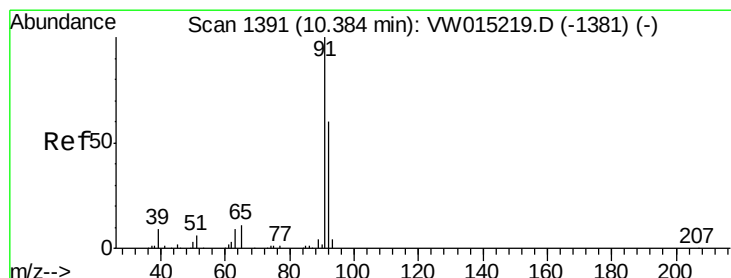
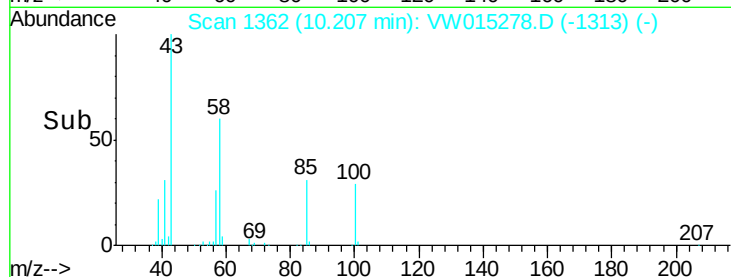
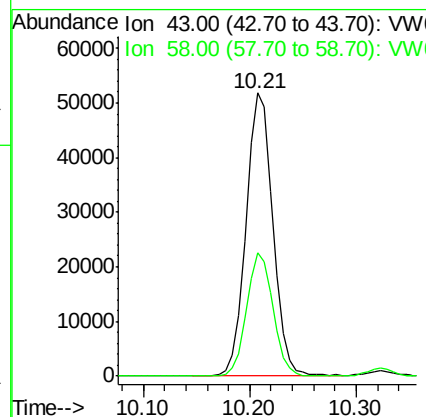
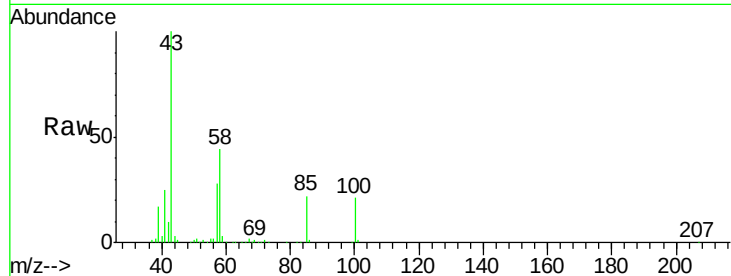
#51
 4-Methyl-2-Pentanone
 Concen: 99.297 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.2	32.3	48.5

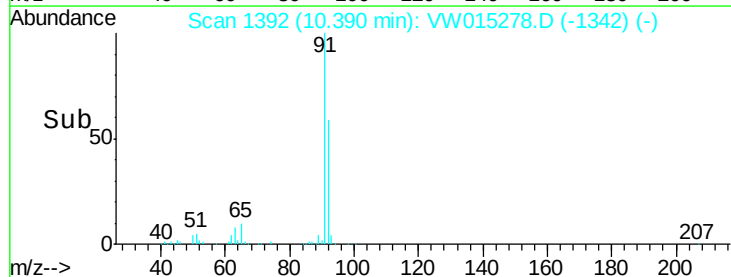
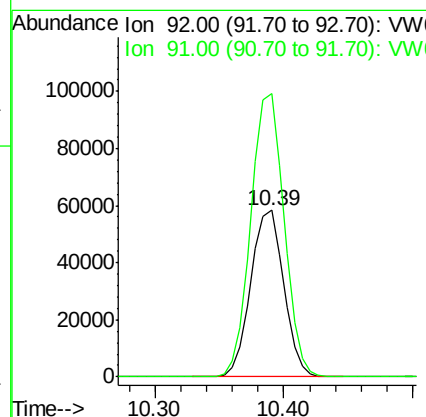
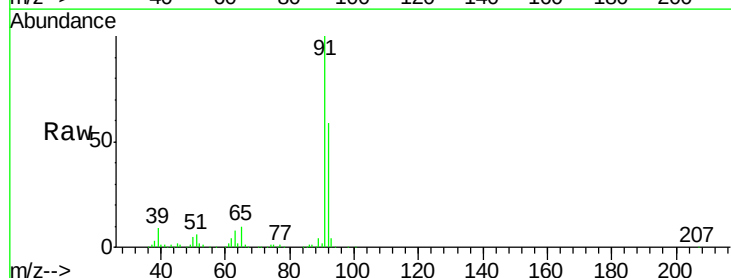
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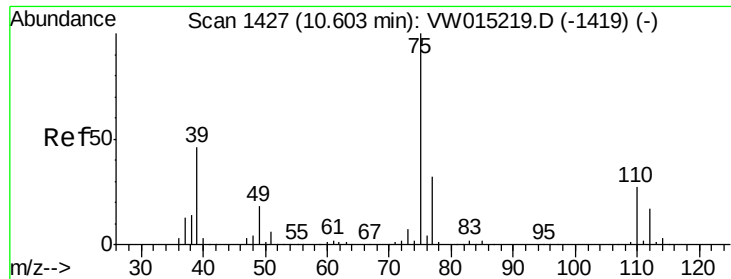
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#52
 Toluene
 Concen: 19.155 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.9	137.1	205.7





#53

t-1,3-Dichloropropene

Concen: 19.726 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

ClientSampleId :

VW0421SBS02

Tot Ion: 75 Resp: 53729

Ion Ratio Lower Upper

75 100

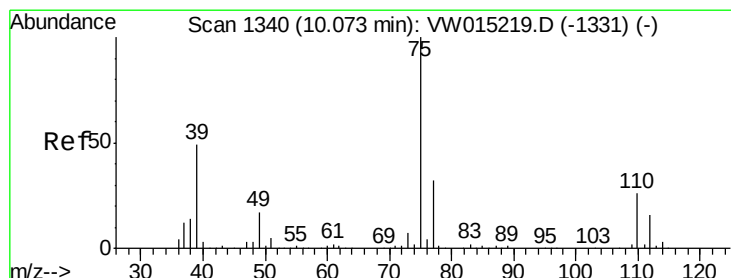
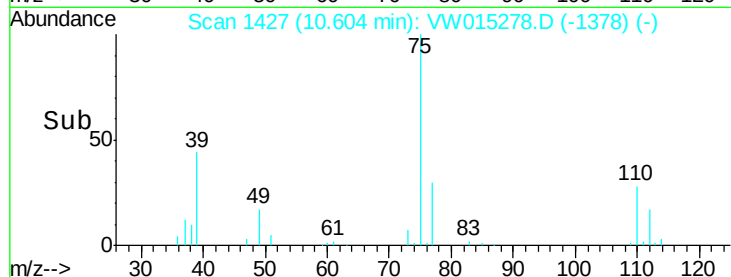
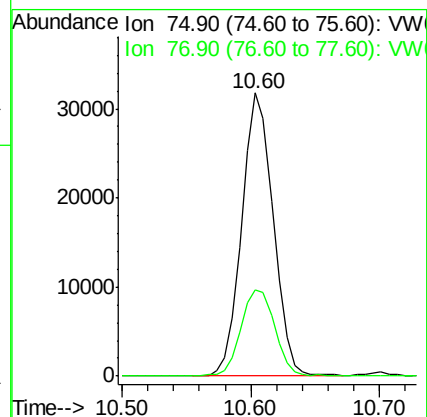
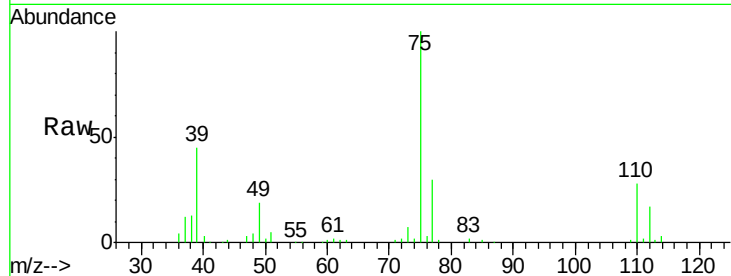
77 30.2 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 20.337 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

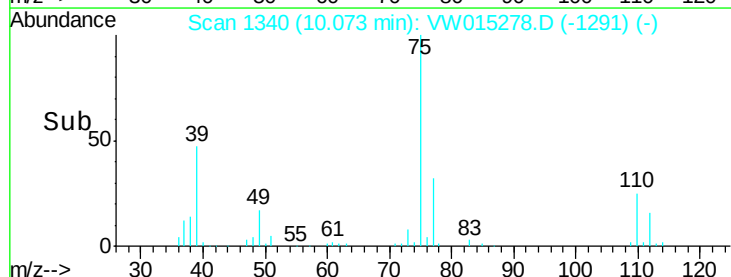
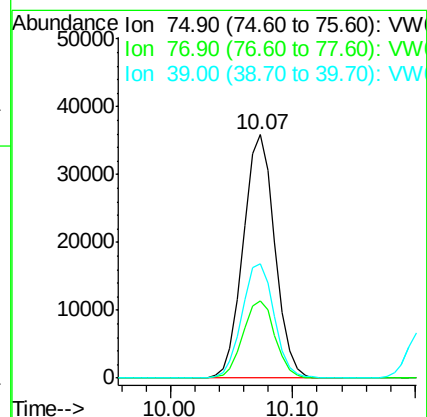
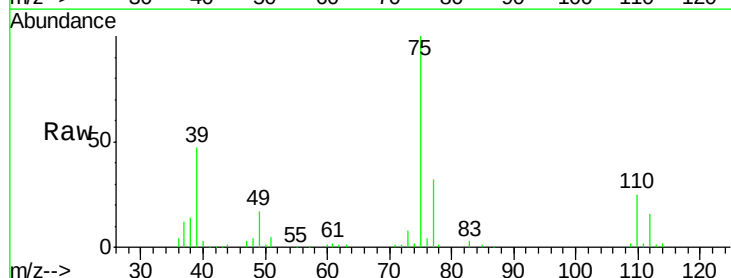
Tgt Ion: 75 Resp: 64384

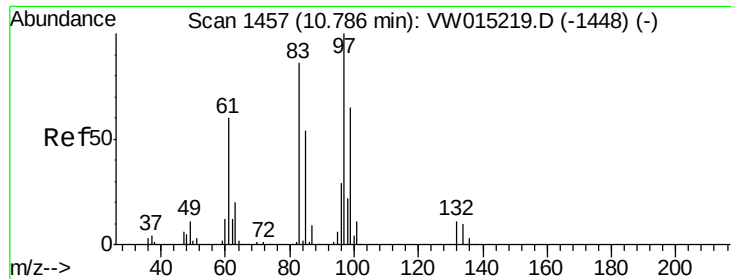
Ion Ratio Lower Upper

75 100

77 31.5 26.6 39.8

39 46.9 37.8 56.6





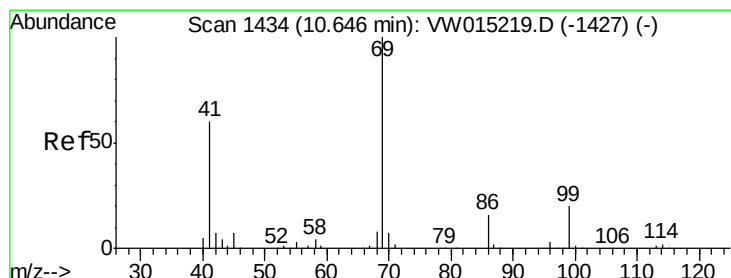
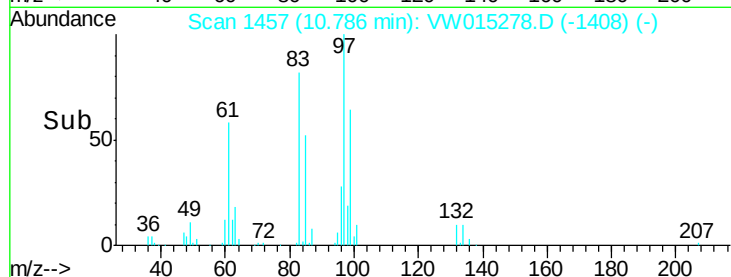
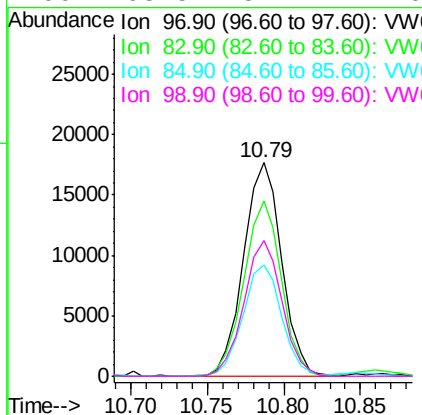
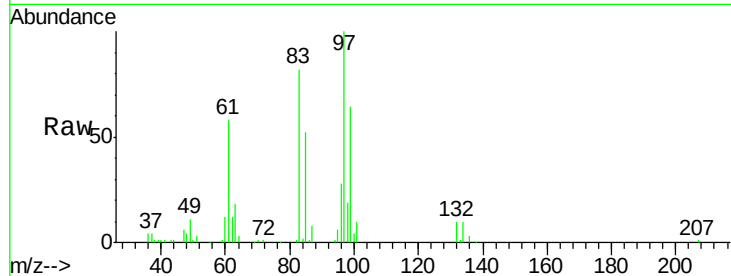
#55
 1,1,2-Trichloroethane
 Concen: 21.137 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		30583		
83	82.2	67.3	100.9		
85	52.4	43.8	65.8		
99	63.5	51.4	77.0		

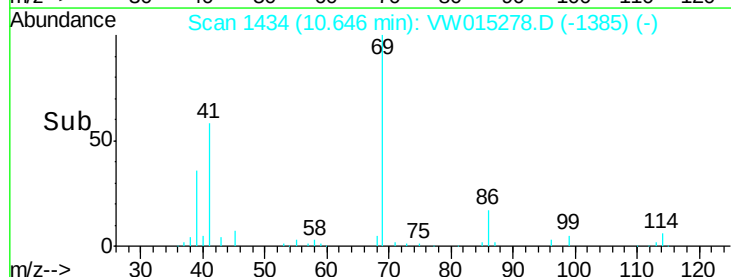
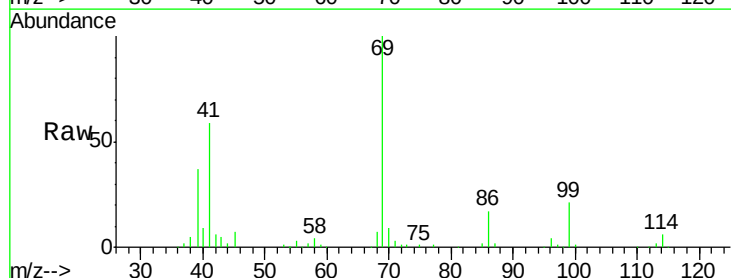
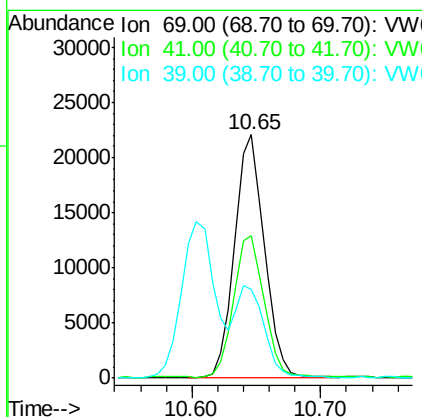
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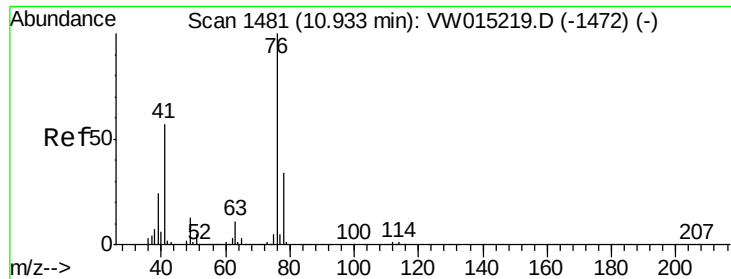
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#56
 Ethyl methacrylate
 Concen: 19.187 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		35764		
41	59.0	51.3	76.9		
39	35.9	24.6	37.0		





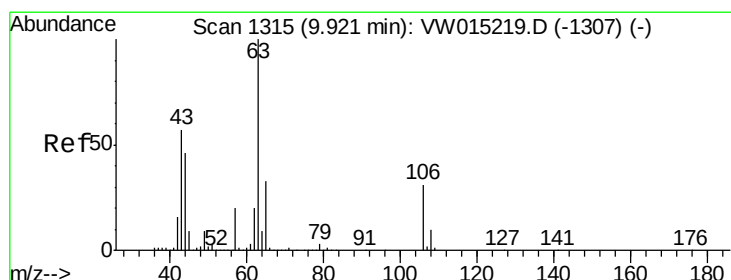
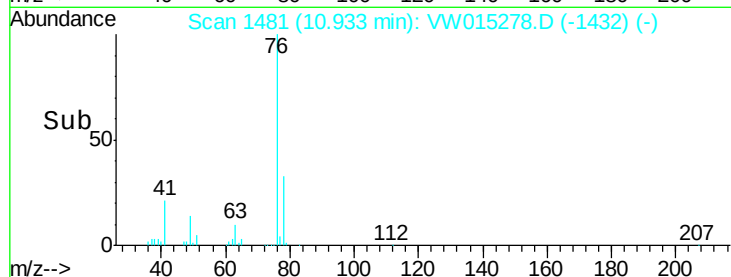
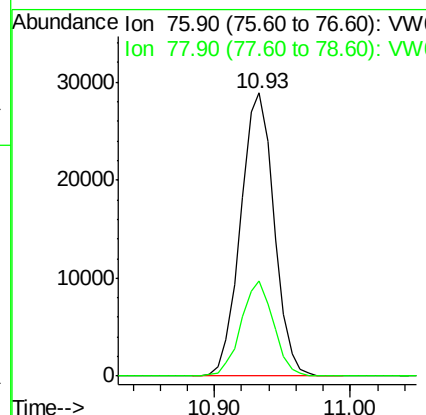
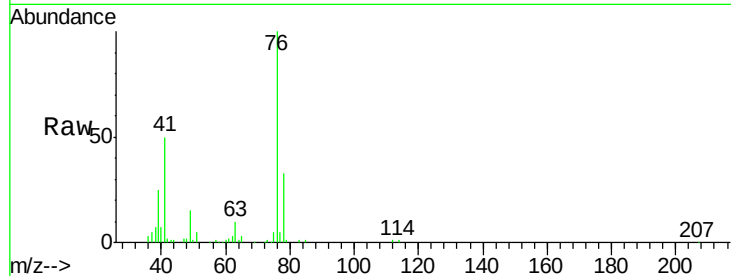
#57
 1,3-Dichloropropane
 Concen: 20.718 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.4

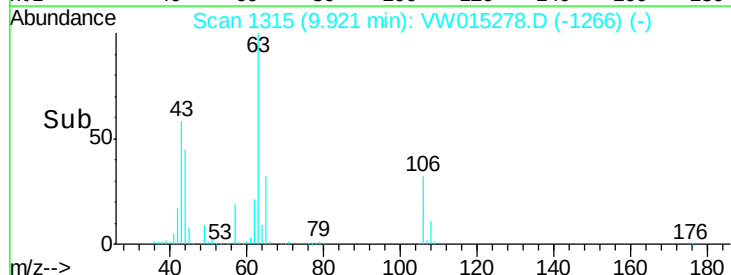
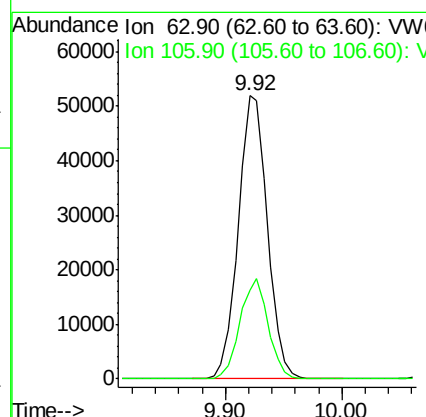
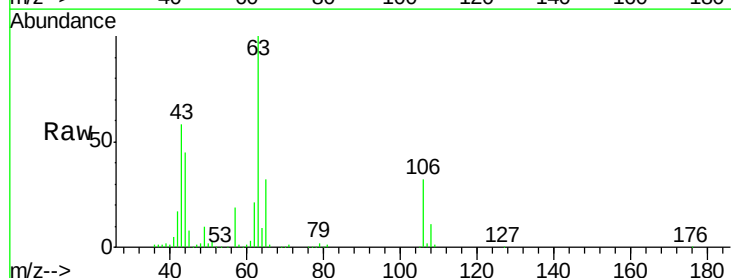
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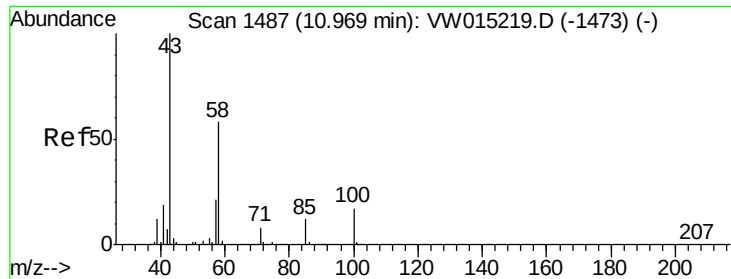
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.536 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.4	22.6	33.8#





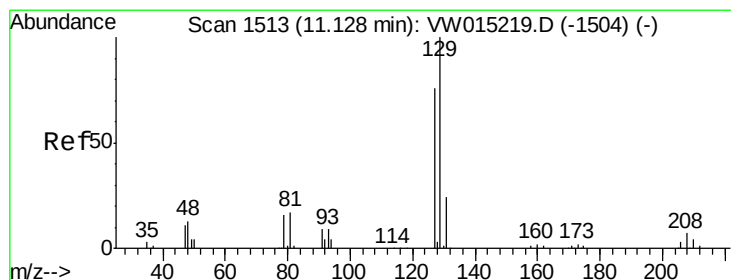
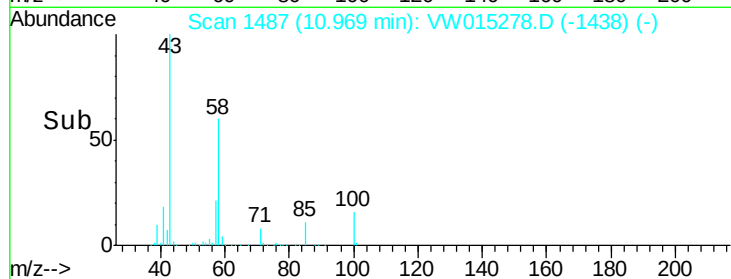
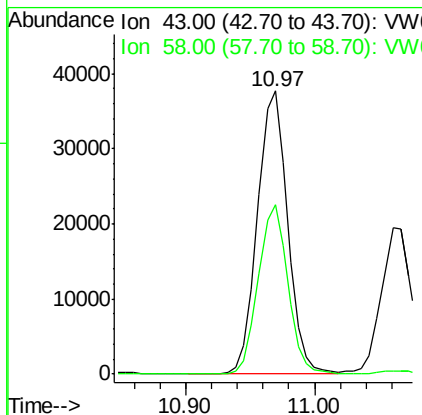
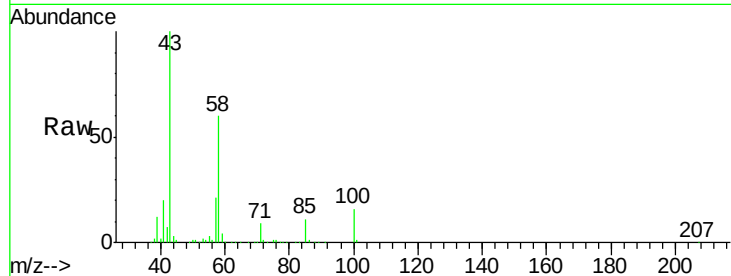
#59
2-Hexanone
Concen: 92.775 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion: 43 Resp: 60850
Ion Ratio Lower Upper
43 100
58 59.1 28.1 84.3

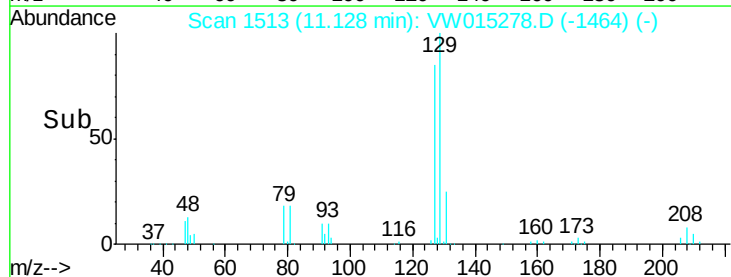
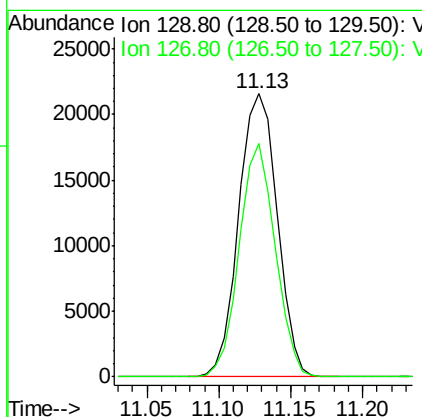
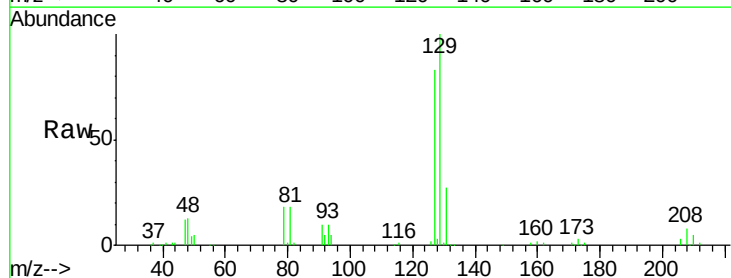
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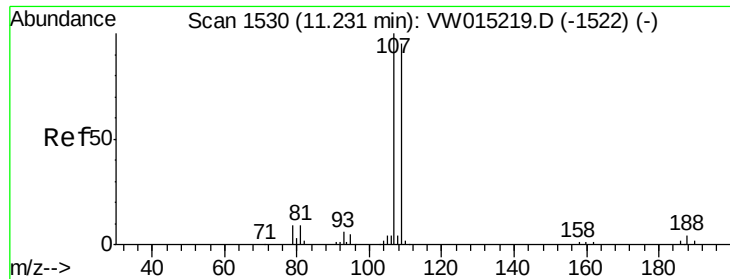
MMDadoda
4/22/2020 11:41:48 AM



#60
Dibromochloromethane
Concen: 21.020 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion: 129 Resp: 40156
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.8





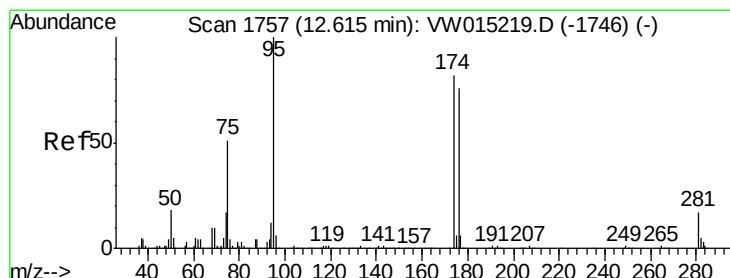
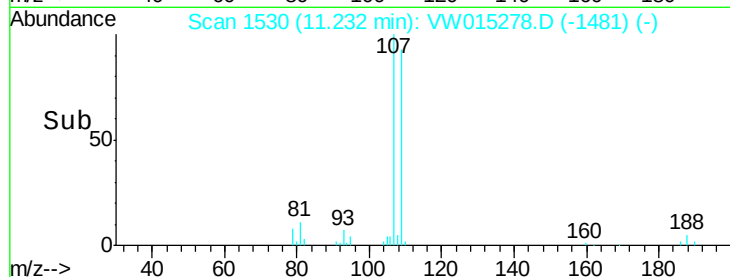
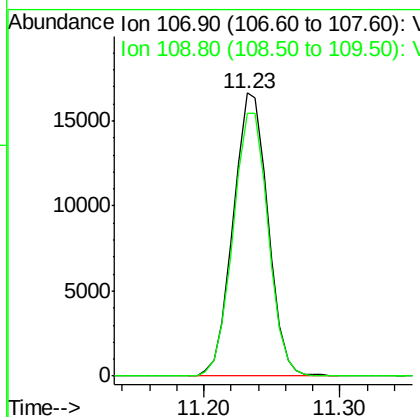
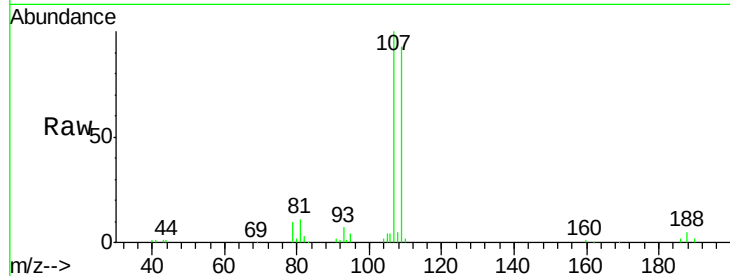
#61
 1,2-Dibromoethane
 Concen: 20.946 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	29572		
109	94.2	74.3	111.5	

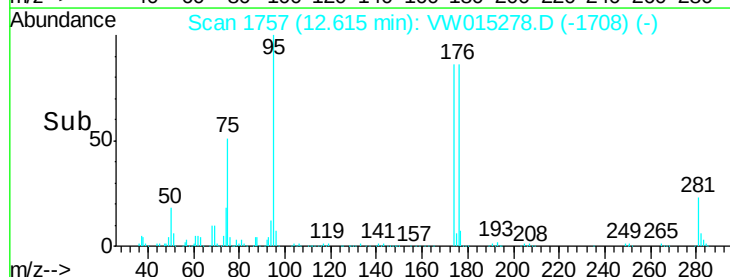
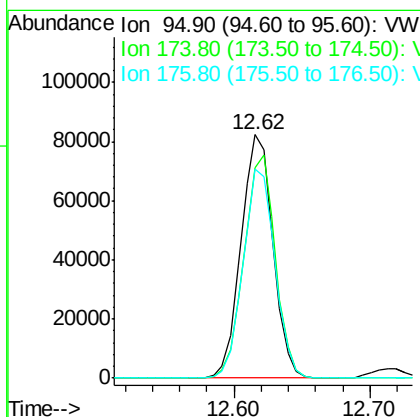
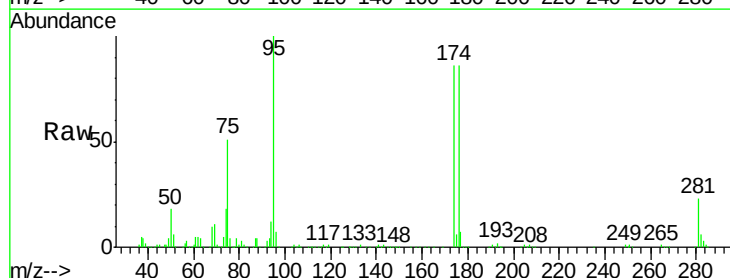
Manual Integrations
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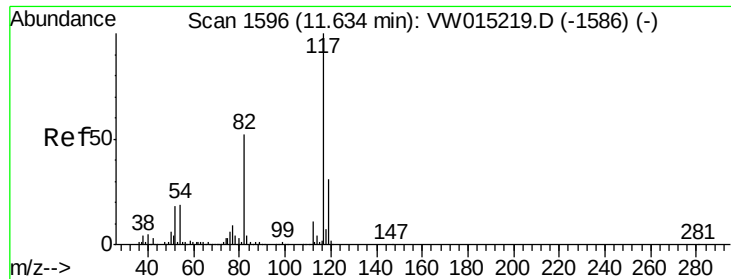
MMDadoda
 4/22/2020 11:41:48 AM



#62
 4-Bromofluorobenzene
 Concen: 47.595 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	134815		
174	90.1	0.0	144.4	
176	85.9	0.0	140.6	





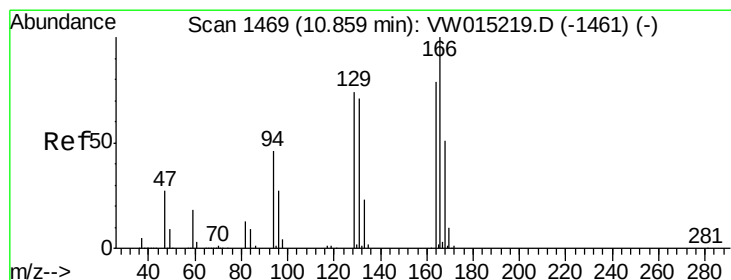
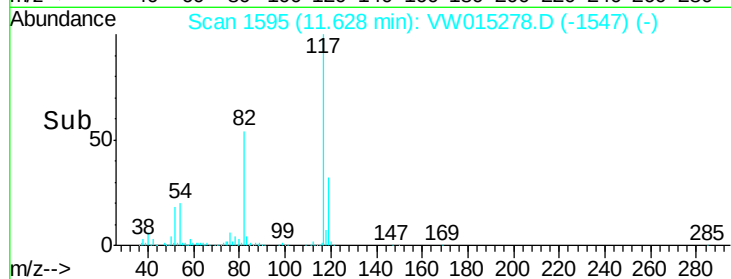
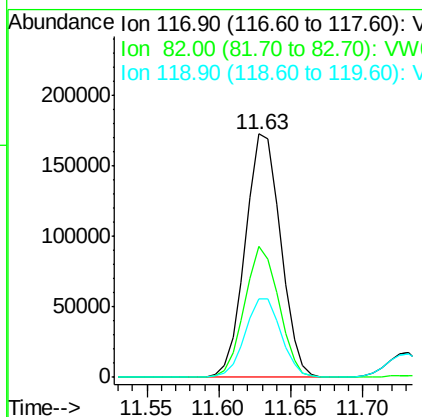
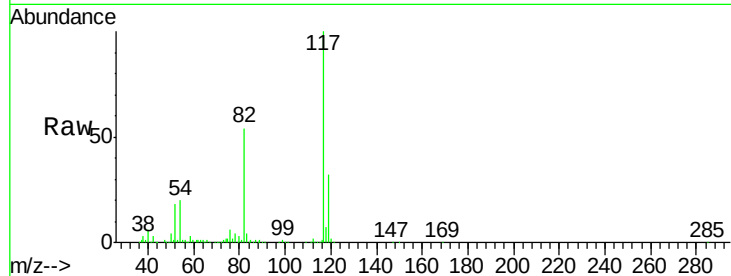
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	293584		
82	53.7		44.1	66.1
119	31.9		24.9	37.3

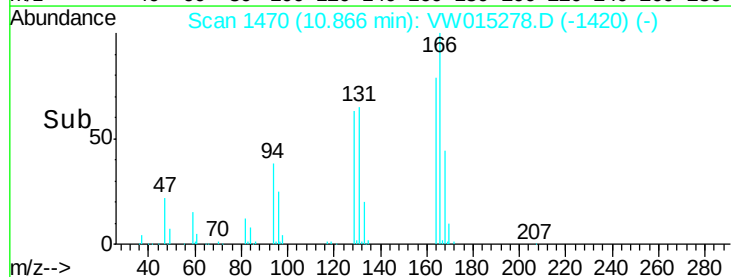
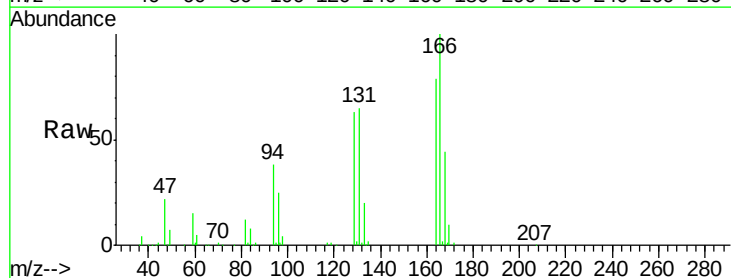
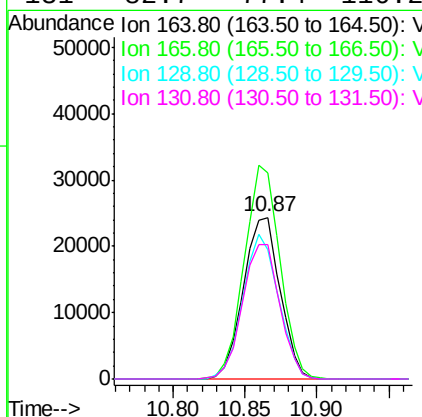
Manual Integrations
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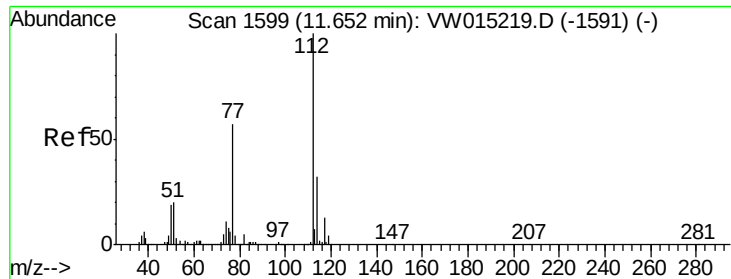
MMDadoda
4/22/2020 11:41:48 AM



#64
Tetrachloroethene
Concen: 20.540 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	43038		
166	127.3		102.6	154.0
129	80.0		80.2	120.2
131	82.7		77.4	116.2





#65

Chlorobenzene

Concen: 20.295 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

ClientSampleId :

VW0421SBS02

Tot Ion:112 Resp: 116920

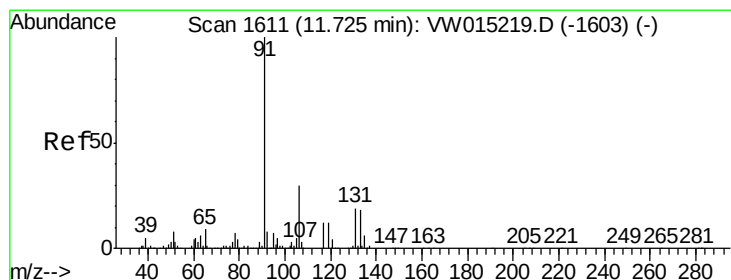
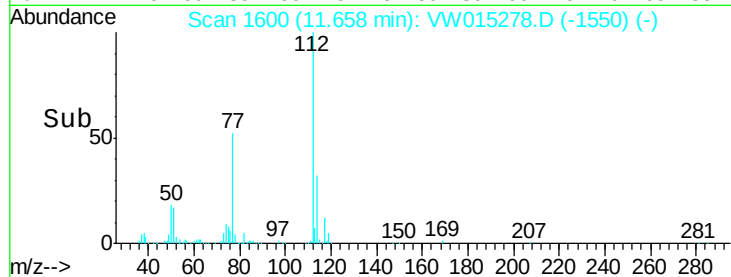
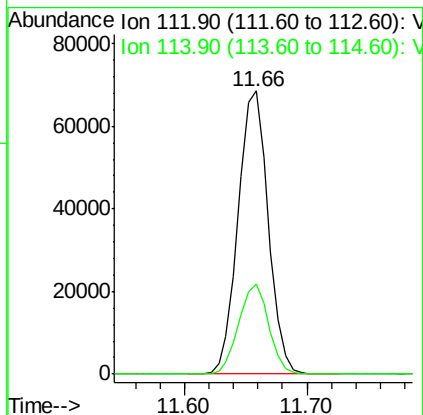
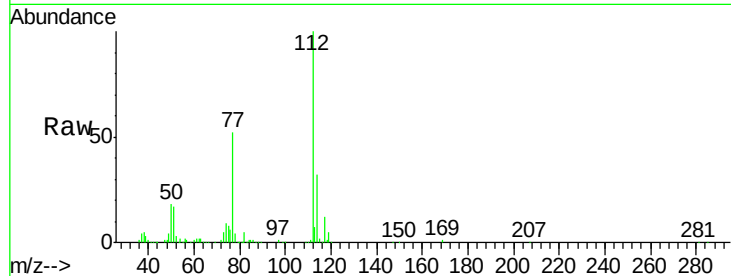
Ion Ratio Lower Upper

112 100

114 31.9 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
4/22/2020 11:41:48 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 21.608 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

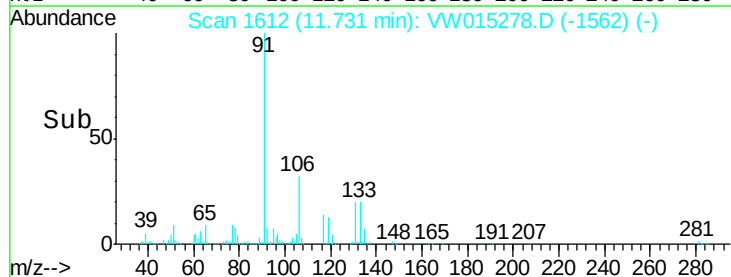
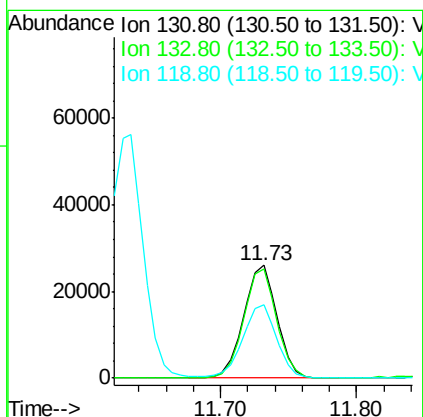
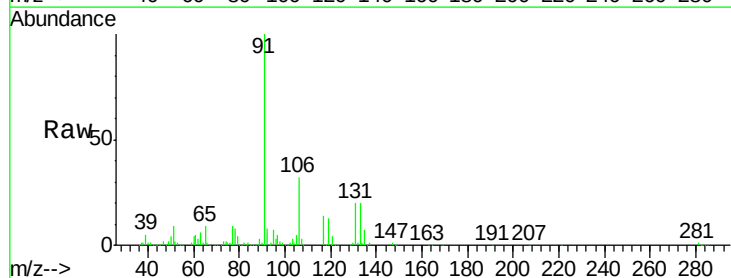
Tgt Ion:131 Resp: 44741

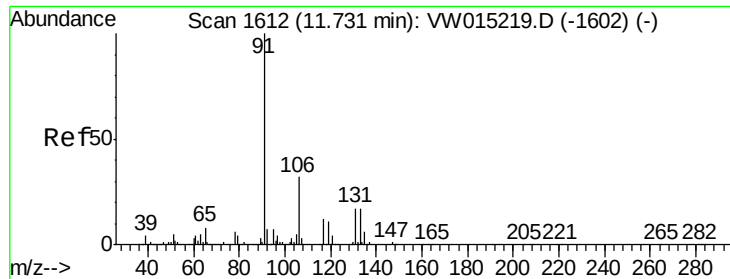
Ion Ratio Lower Upper

131 100

133 95.1 47.7 143.1

119 64.9 34.0 101.8





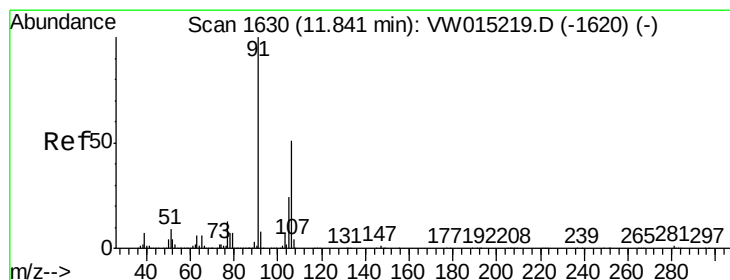
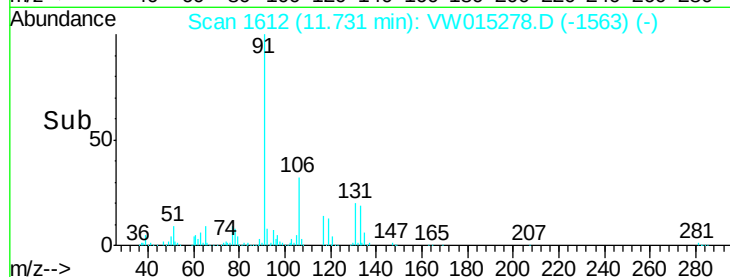
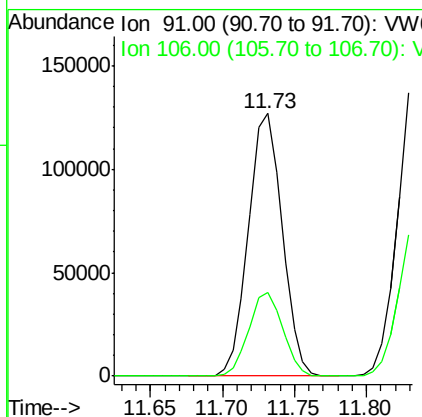
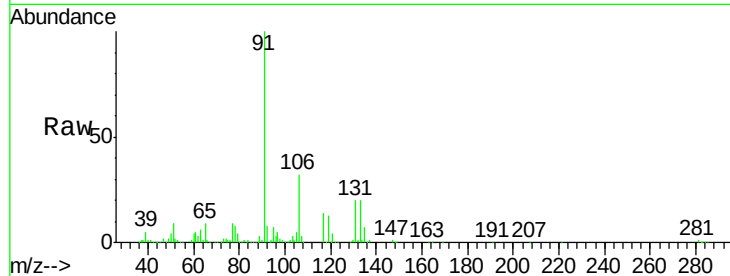
#67
Ethyl Benzene
Concen: 19.216 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.8	25.7	38.5	

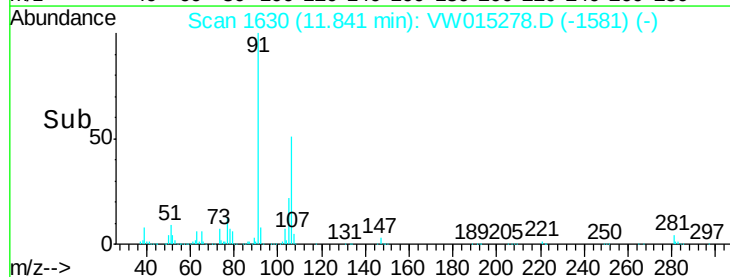
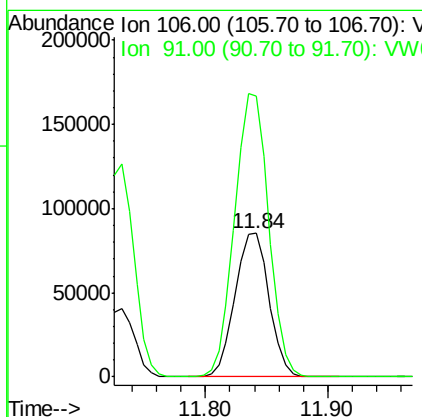
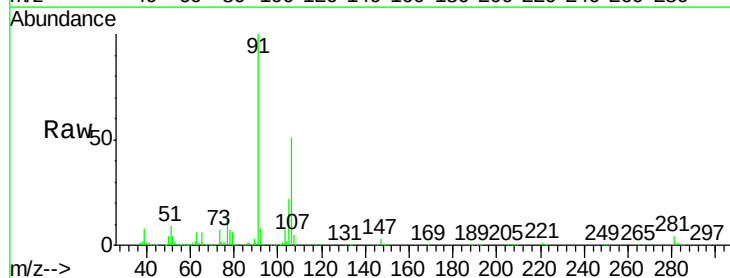
Manual Integrations
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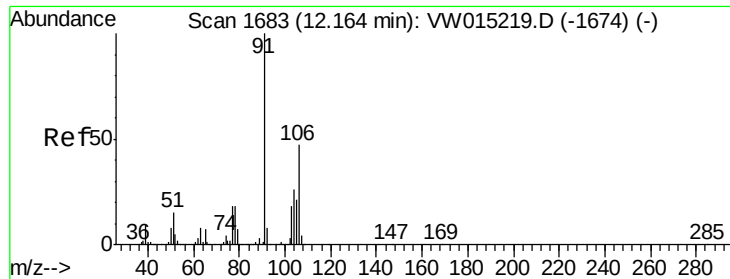
MMDadoda
4/22/2020 11:41:48 AM



#68
m/p-Xylenes
Concen: 39.113 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	197.1	160.0	240.0	





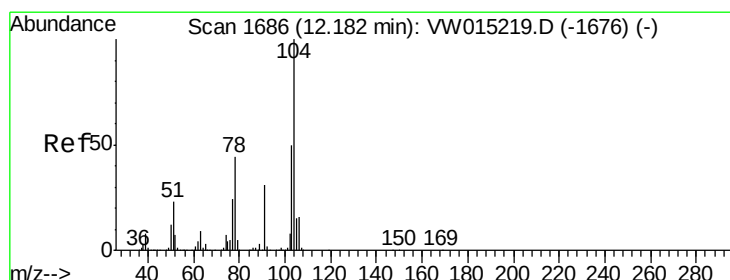
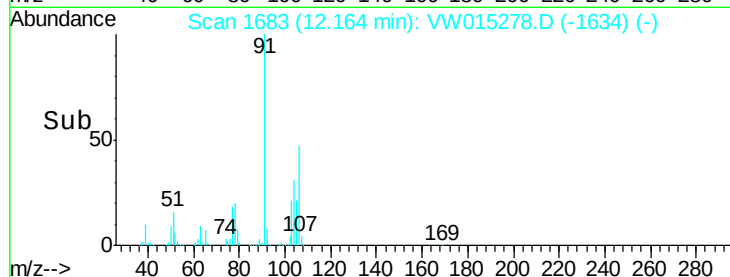
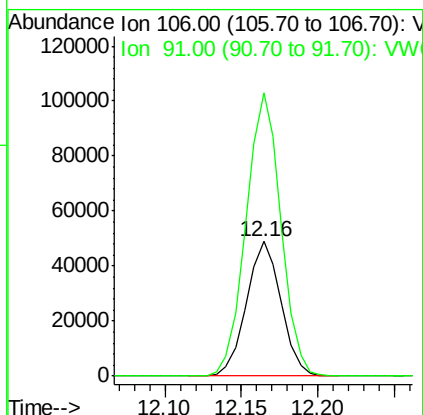
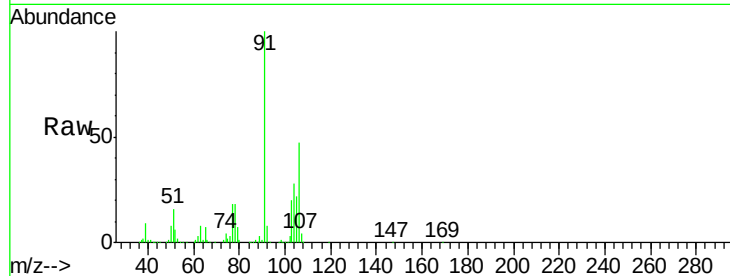
#69
o-Xylene
Concen: 19.637 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion:106 Resp: 77186
Ion Ratio Lower Upper
106 100
91 210.6 105.7 317.1

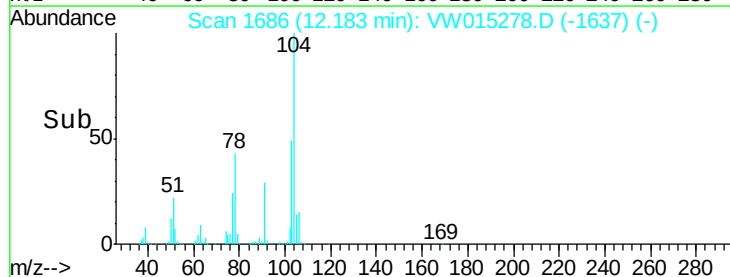
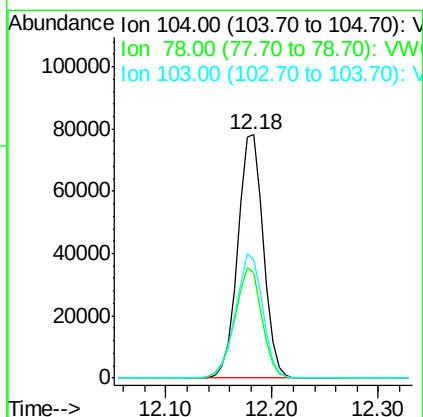
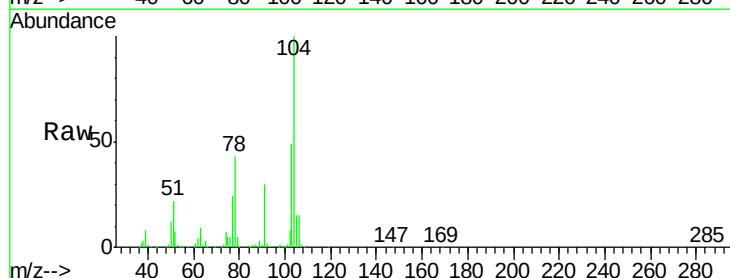
Manual Integrations
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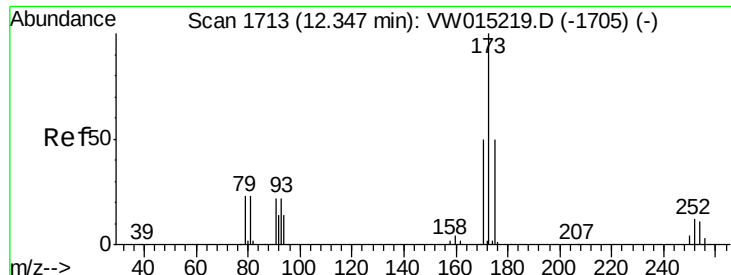
MMDadoda
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#70
Styrene
Concen: 19.693 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion:104 Resp: 131946
Ion Ratio Lower Upper
104 100
78 48.5 39.8 59.6
103 54.4 43.8 65.6





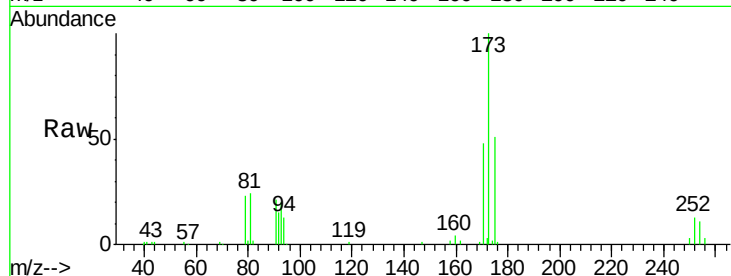
#71
Bromoform
Concen: 20.960 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

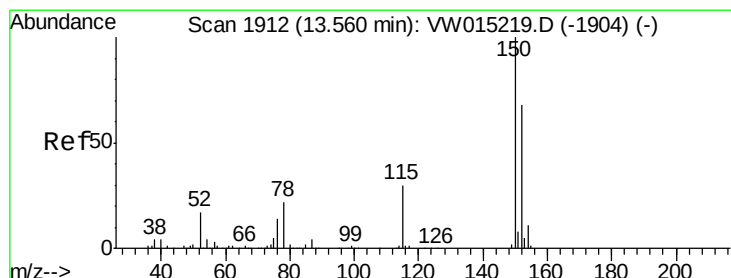
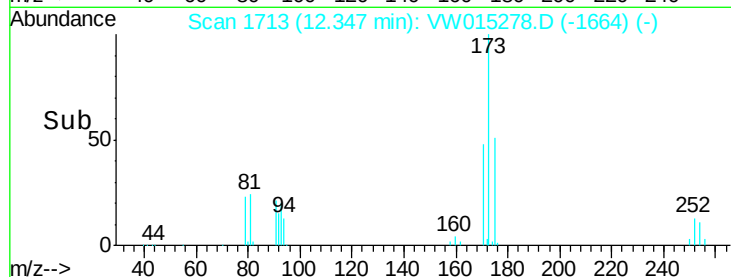
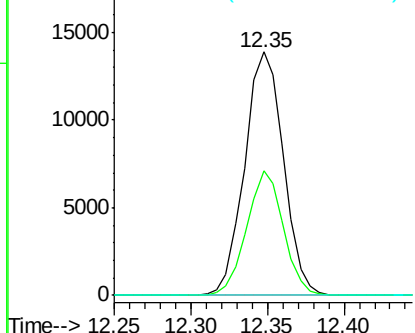
Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	48.5	25.1	75.4		
254	0.0	0.1	0.1#		

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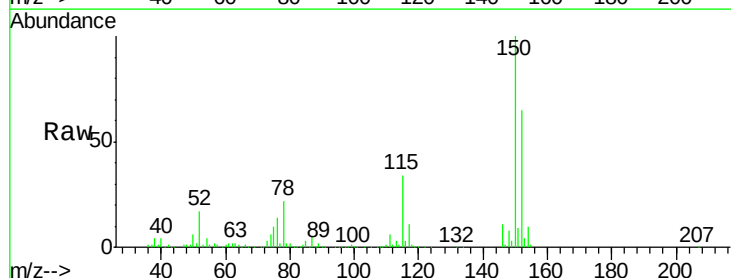


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

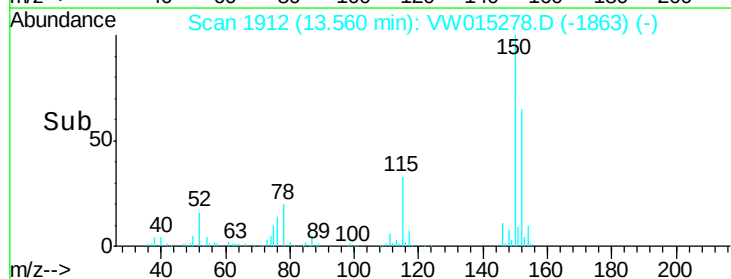
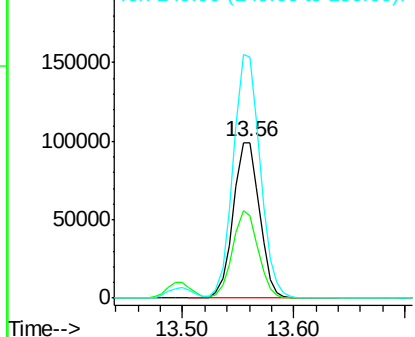


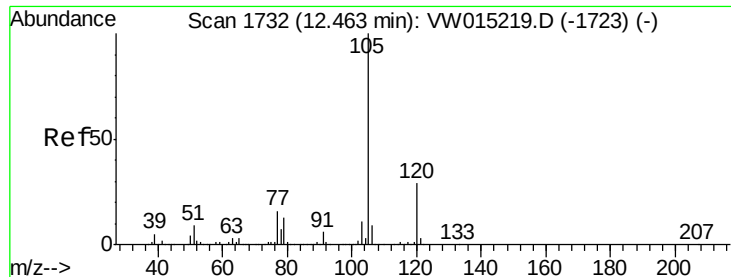
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	54.9	31.3	93.9		
150	161.2	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





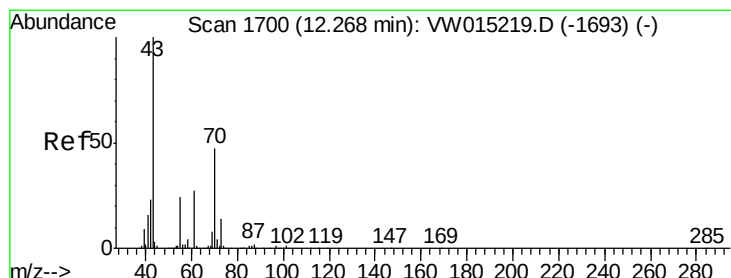
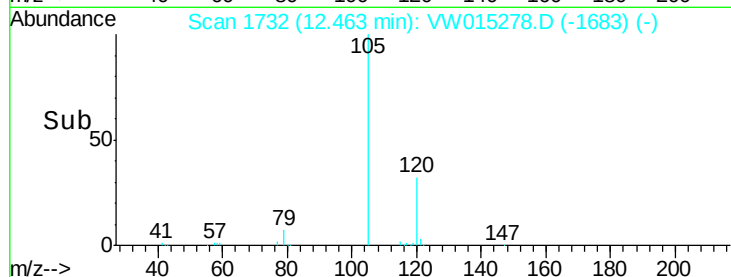
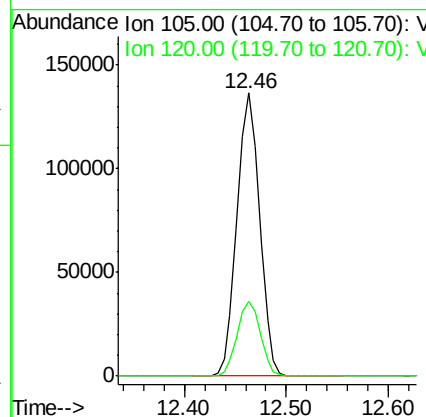
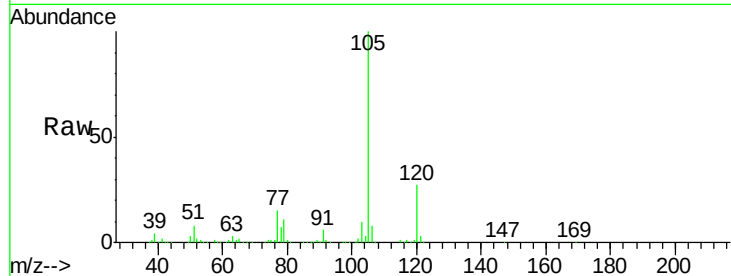
#73
Isopropylbenzene
Concen: 18.736 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.7	41.1

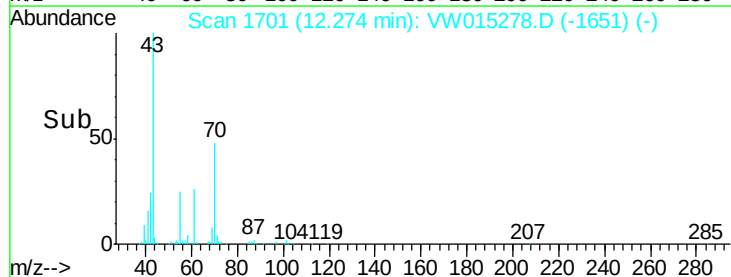
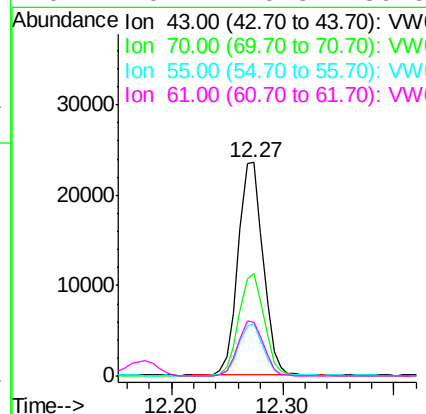
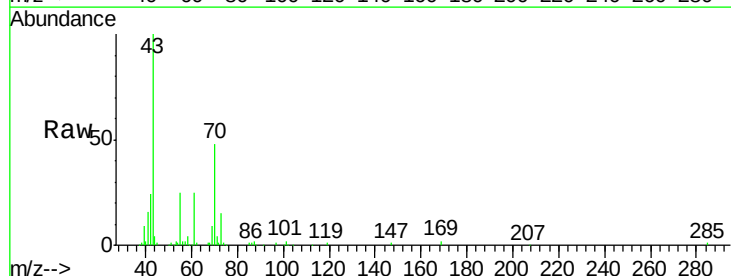
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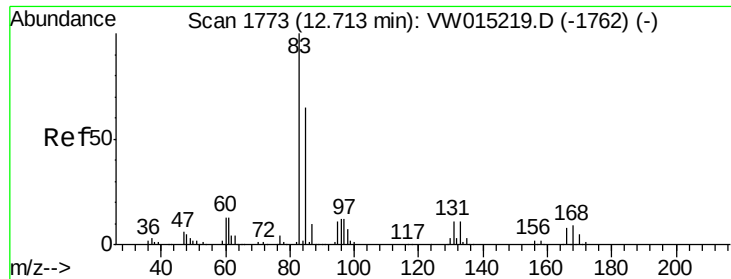
MMDadoda
4/22/2020 11:41:48 AM



#74
N-ethyl acetate
Concen: 18.931 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.01 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.3	35.4	53.2
55	25.1	18.5	27.7
61	26.2	20.3	30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.046 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

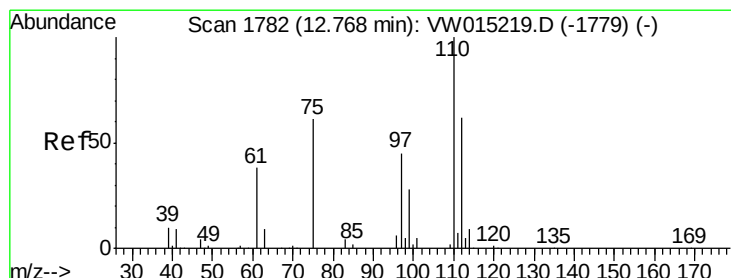
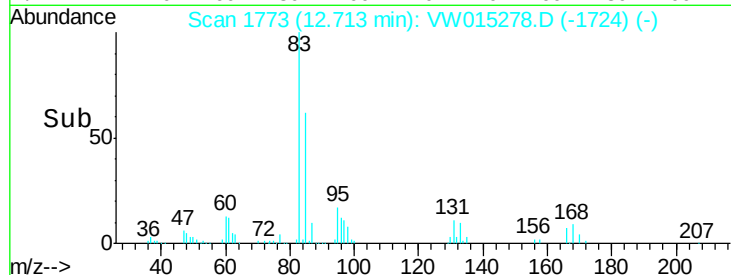
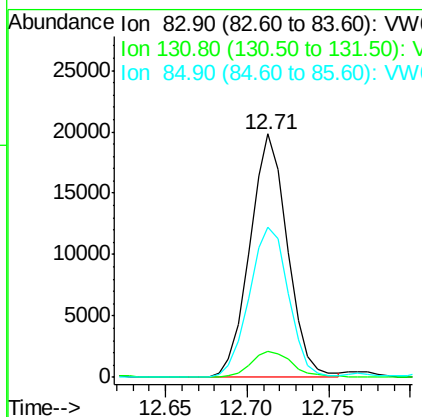
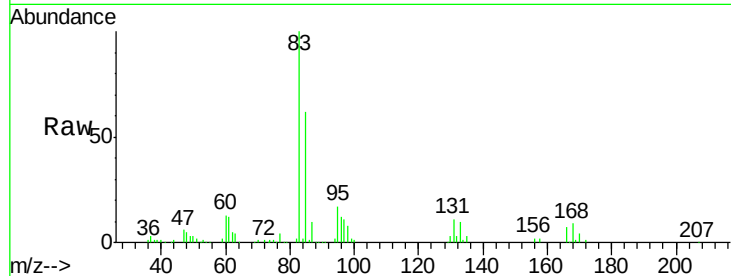
ClientSampled :

VW0421SBS02

Tot Ion:	83	Resp:	31907
Ion	Ratio	Lower	Upper
83	100		
131	12.1	5.1	15.2
85	64.5	32.3	96.8

Manual Integrations
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4/22/2020 11:41:48 AM



#76

1,2,3-Trichloropropane

Concen: 19.440 ug/l m

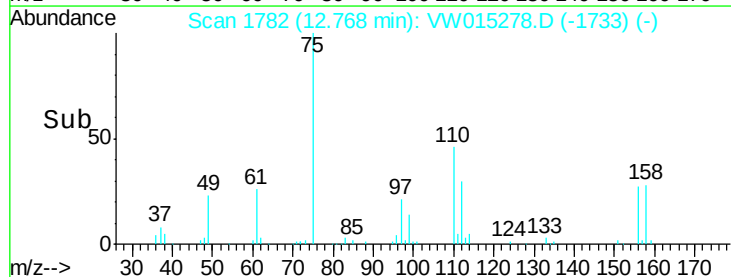
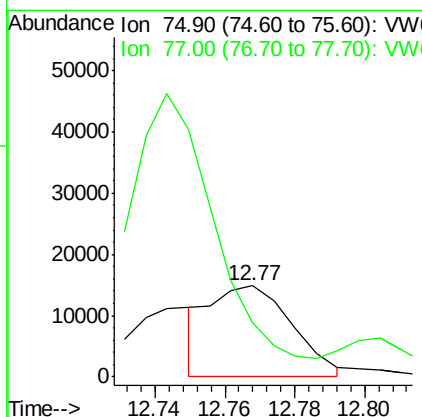
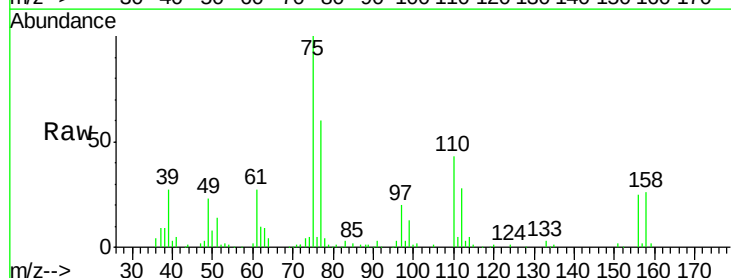
RT: 12.77 min Scan# 1782

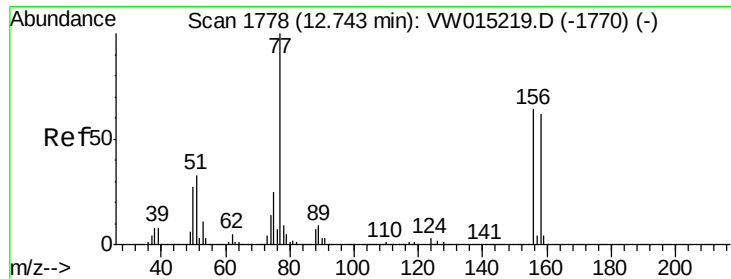
Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Tgt Ion:	75	Resp:	24316
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.674 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

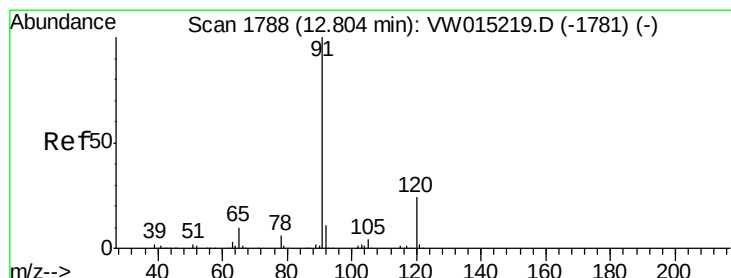
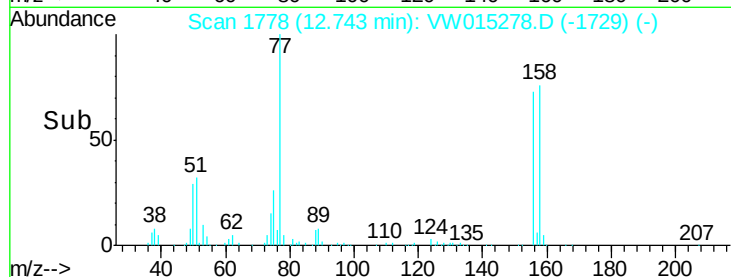
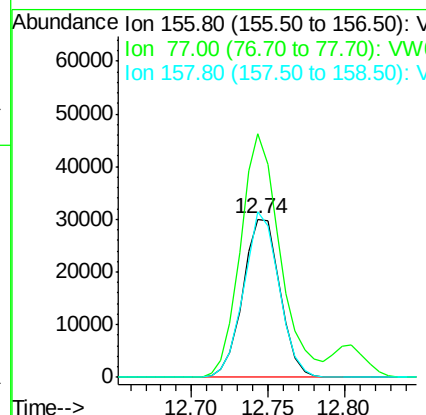
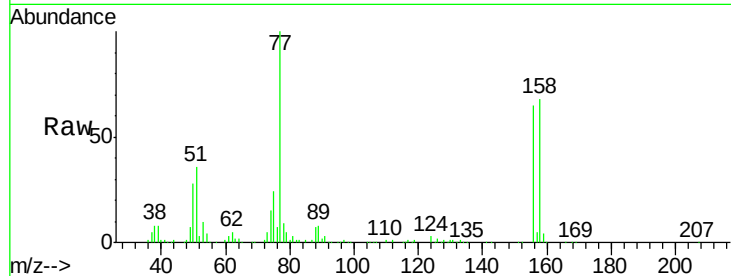
ClientSampleId :

VW0421SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	164.6	100.5	301.5
158	98.9	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 18.600 ug/l

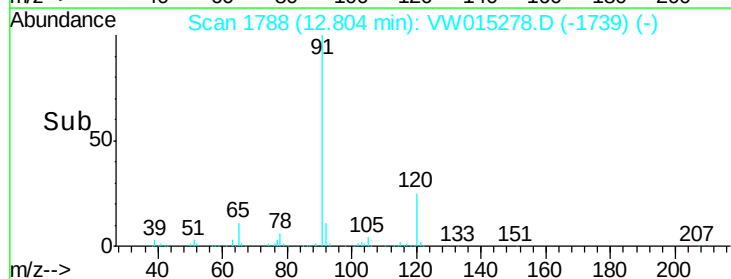
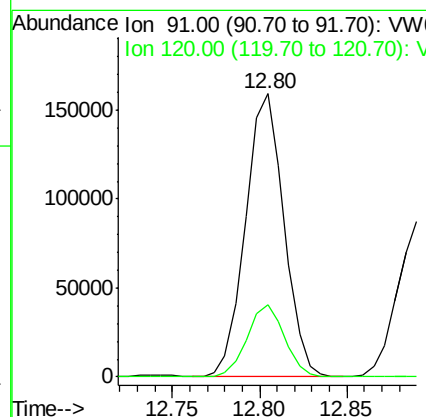
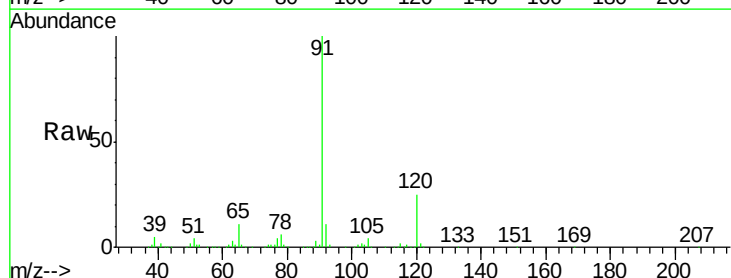
RT: 12.80 min Scan# 1788

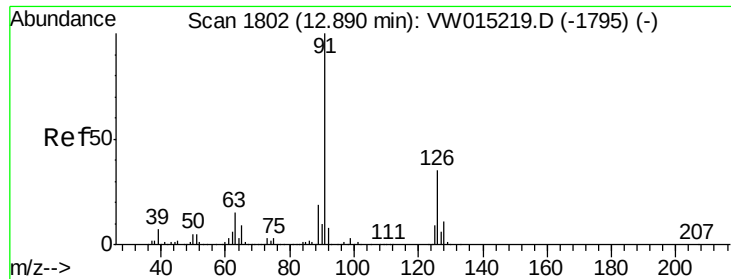
Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	11.4	34.1





#79

2-Chlorotoluene

Concen: 19.026 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

ClientSampled :

VW0421SBS02

Tot Ion: 91 Resp: 139956

Ion Ratio Lower Upper

91 100

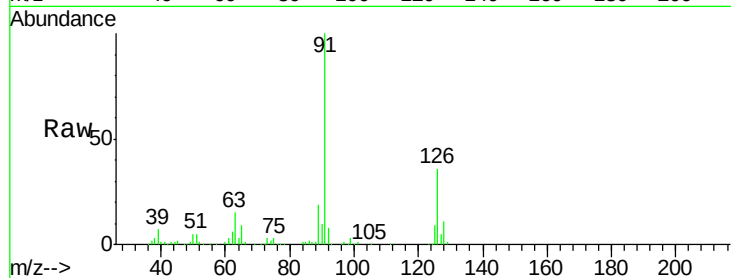
126 35.5 16.8 50.4

Manual Integrations

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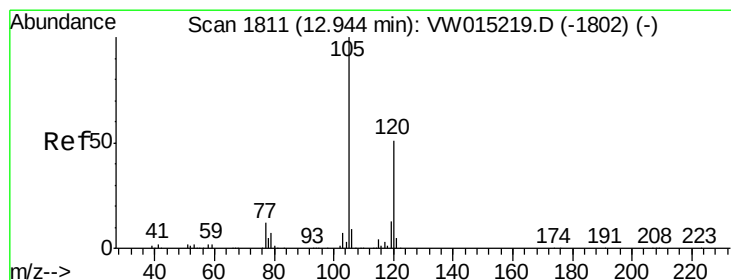
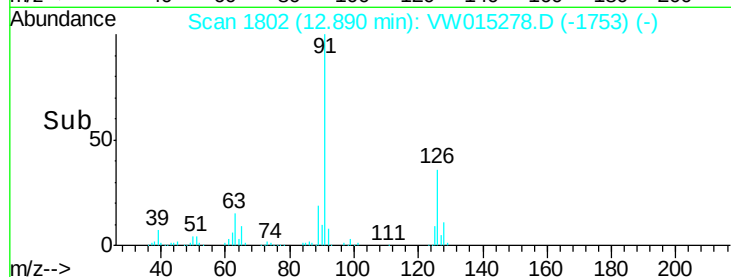
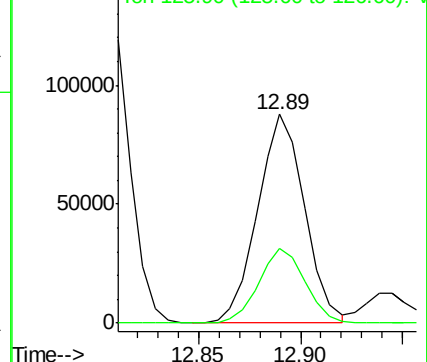
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.101 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015278.D

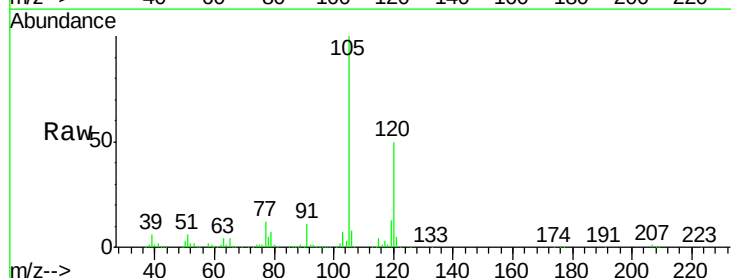
Acq: 21 Apr 2020 22:59

Tgt Ion: 105 Resp: 184453

Ion Ratio Lower Upper

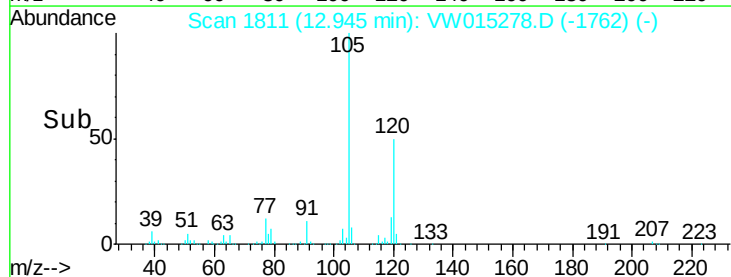
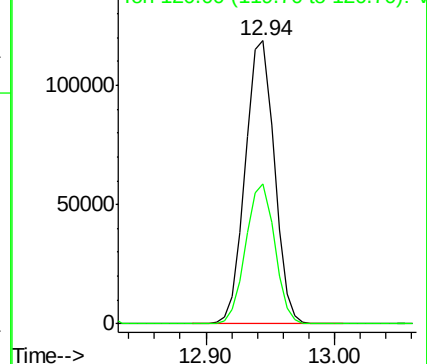
105 100

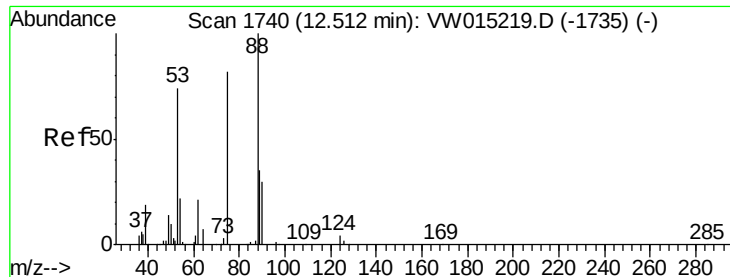
120 49.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.006 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Instrument :

MSVOA_W

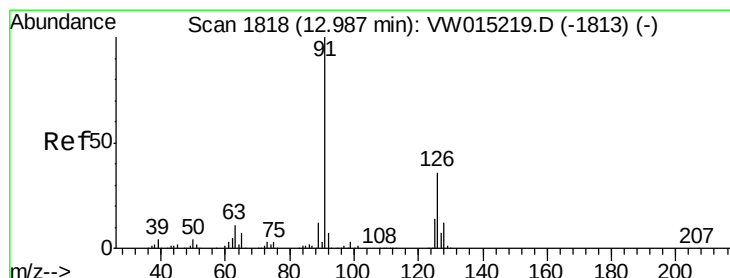
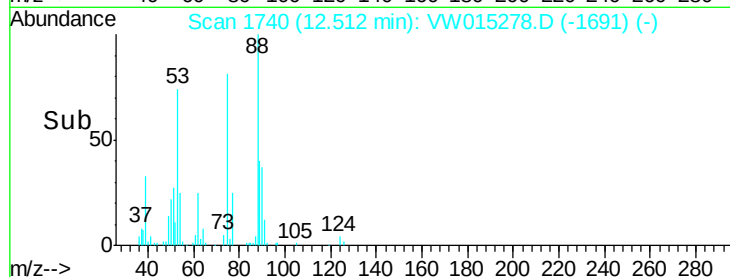
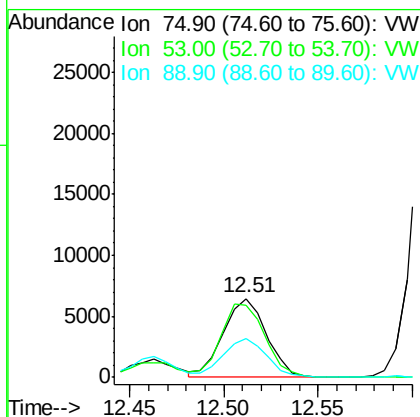
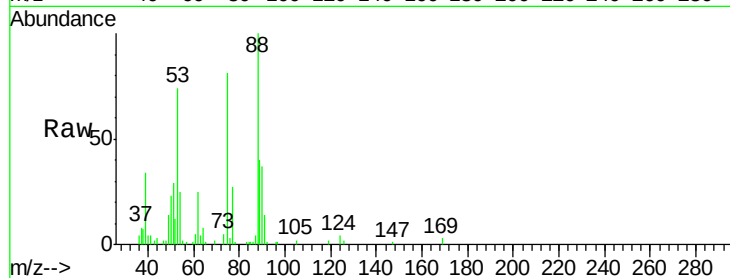
ClientSampleId :

VW0421SBS02

Tot Ion:	75	Resp:	10303
Ion Ratio	Lower	Upper	
75	100		
53	95.4	69.4	104.2
89	48.5	34.8	52.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.856 ug/l

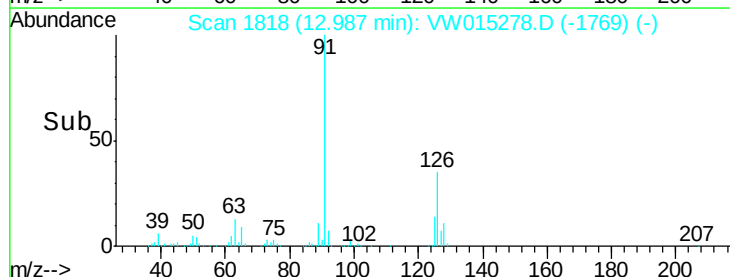
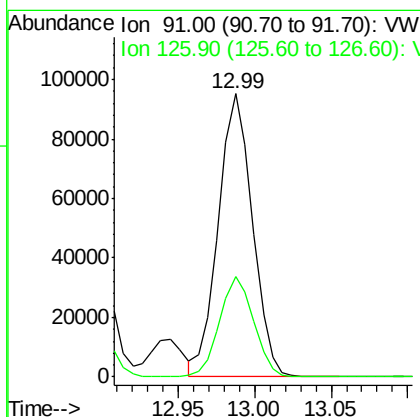
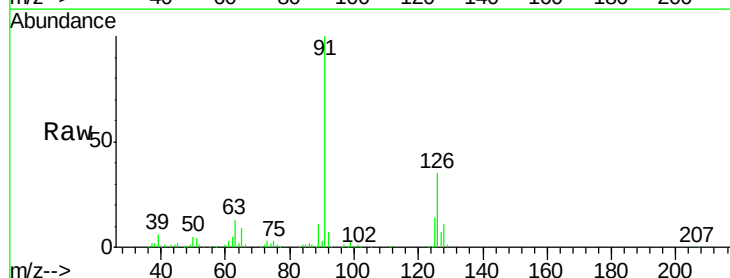
RT: 12.99 min Scan# 1818

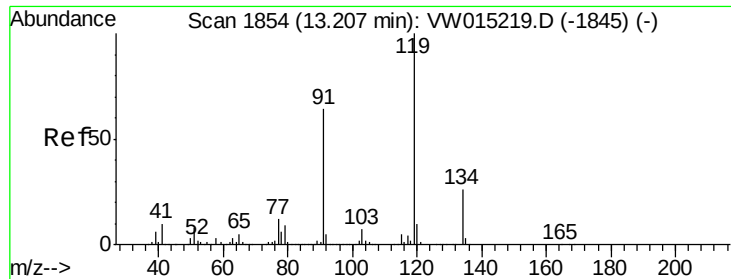
Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Tgt Ion:	91	Resp:	147269
Ion Ratio	Lower	Upper	
91	100		
126	35.4	16.8	50.3





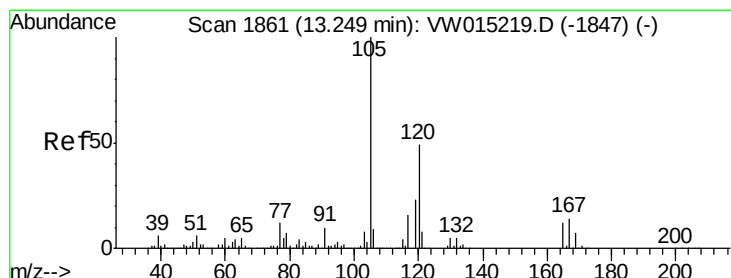
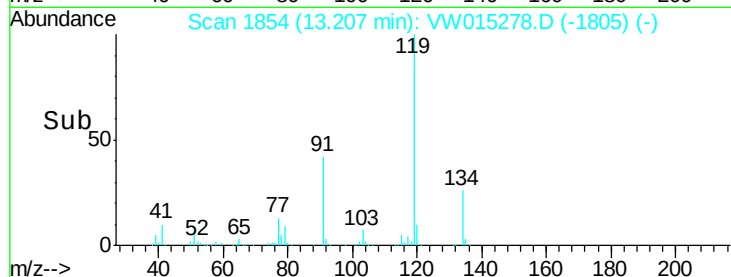
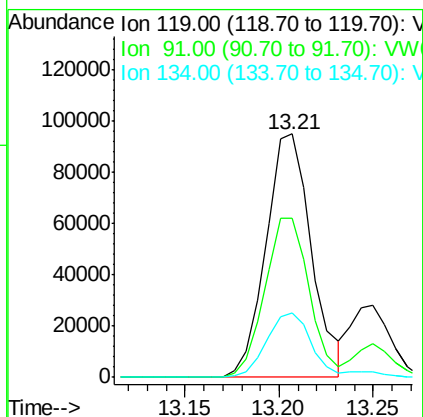
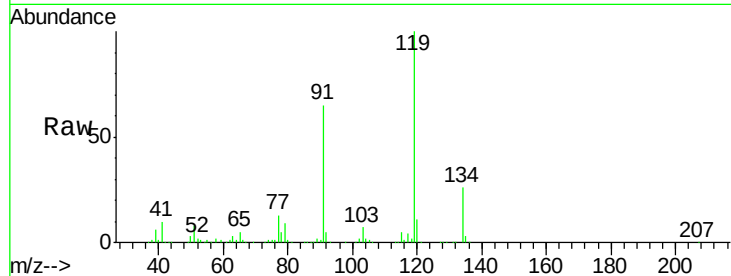
#83
tert-Butylbenzene
Concen: 18.901 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	159534		
91	63.8		32.8	98.3
134	27.5		13.3	39.9

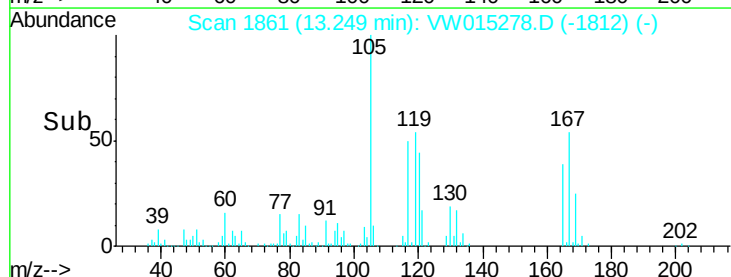
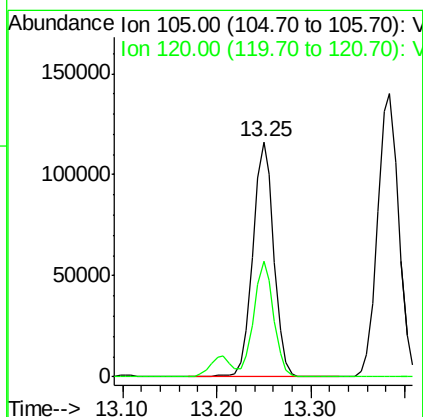
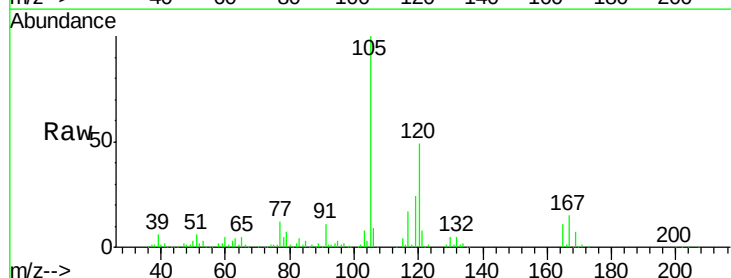
Manual Integrations
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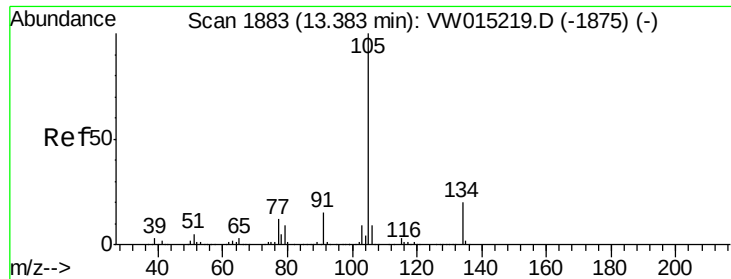
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.148 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	182379		
120	47.0		23.0	69.0





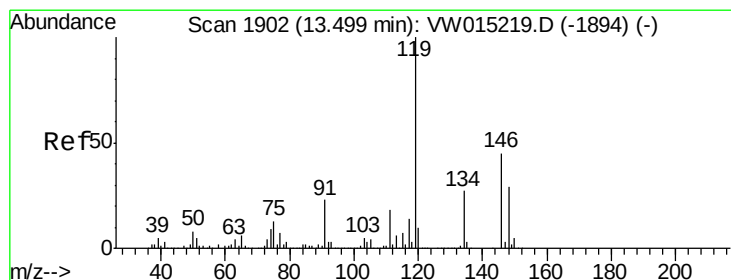
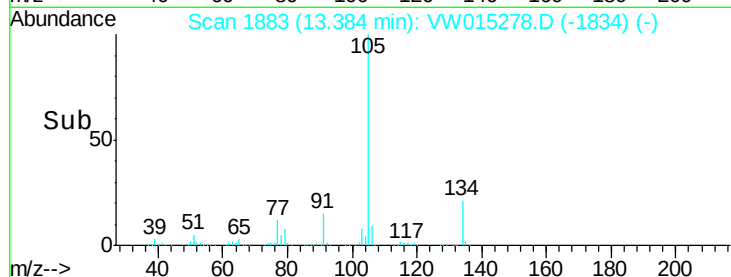
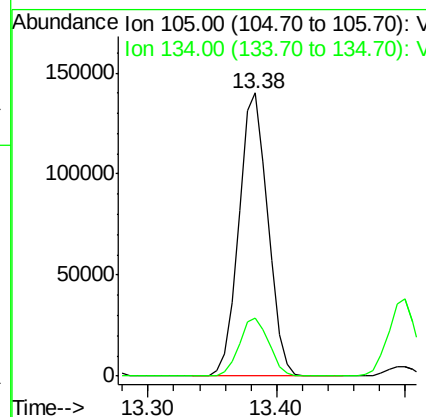
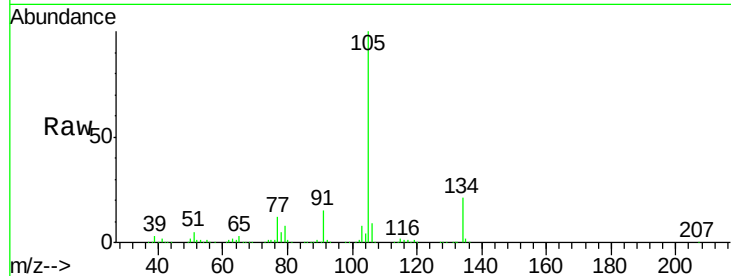
#85
 sec-Butylbenzene
 Concen: 18.649 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.1	30.1

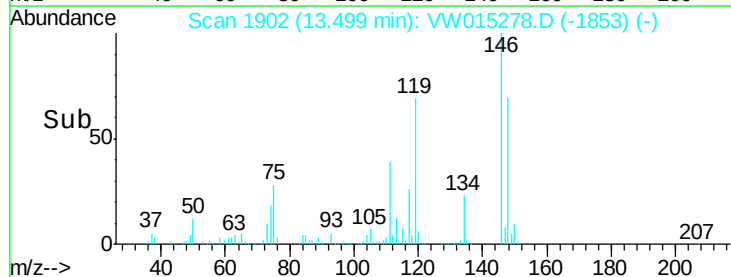
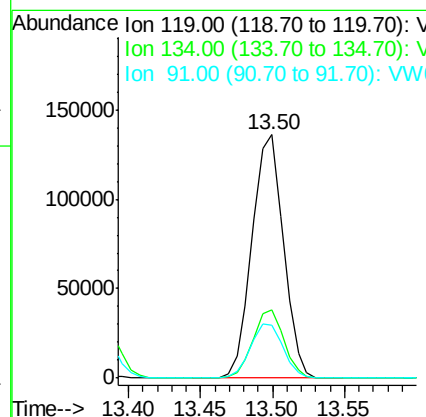
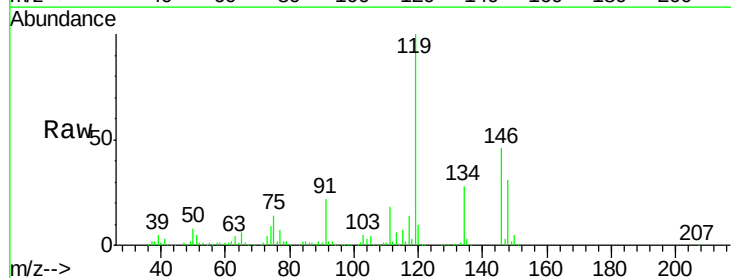
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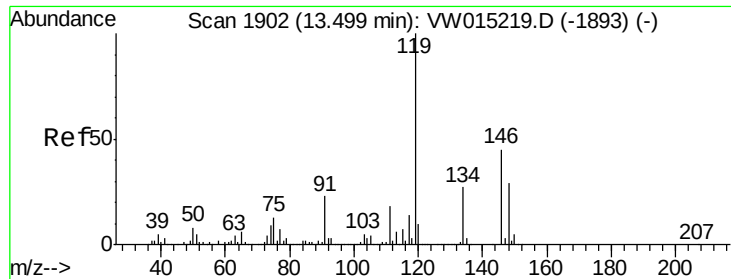
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#86
 p-Isopropyltoluene
 Concen: 18.926 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.3	39.9
91	23.1	12.0	36.1





#87

1,3-Dichlorobenzene

Concen: 19.475 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

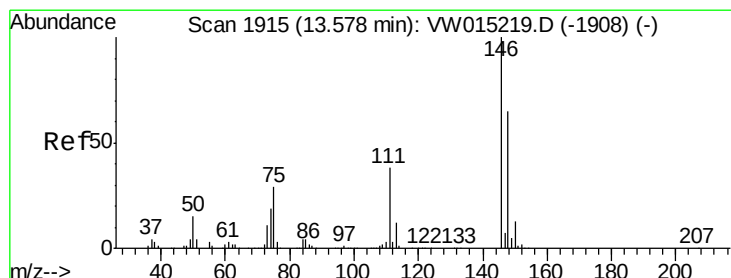
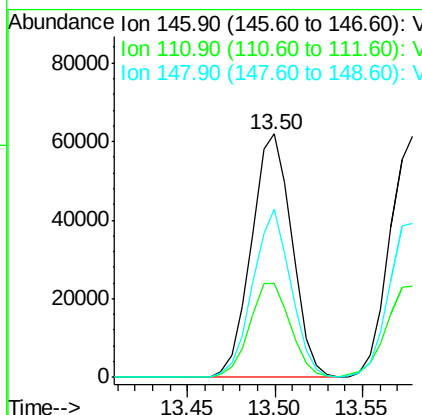
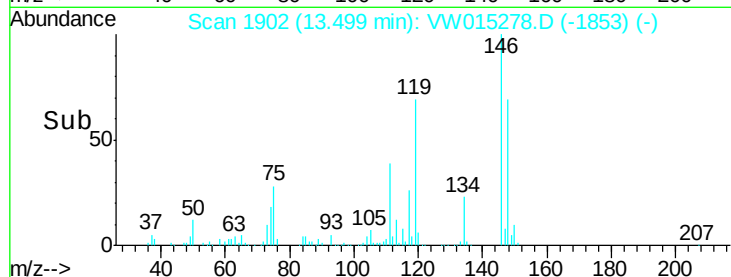
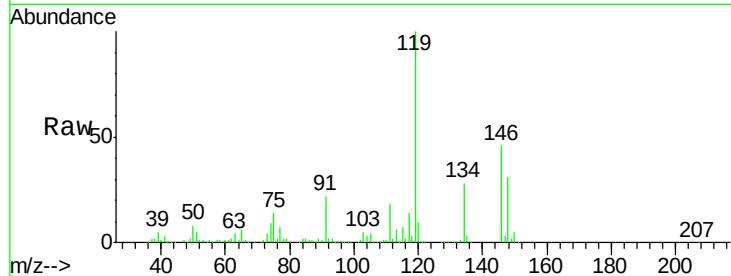
Instrument :
MSVOA_W

ClientSampled :
VW0421SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	21.1	63.4
148	65.1	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.640 ug/l

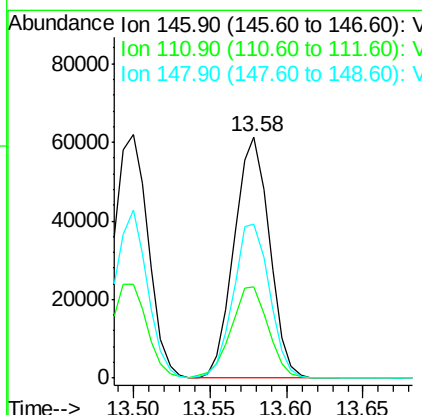
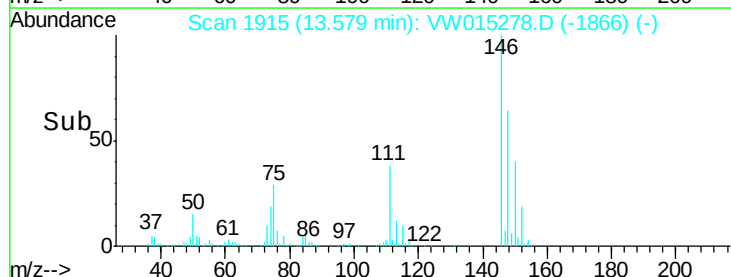
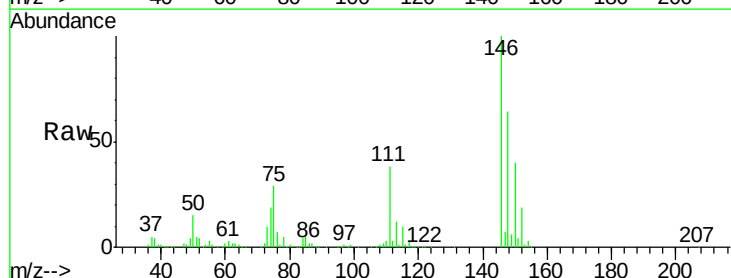
RT: 13.58 min Scan# 1915

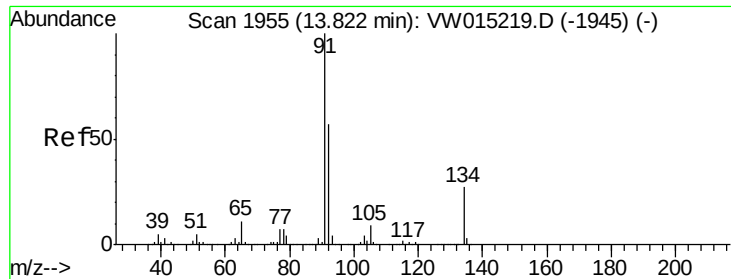
Delta R.T. 0.00 min

Lab File: VW015278.D

Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.4	61.3
148	65.6	31.5	94.5





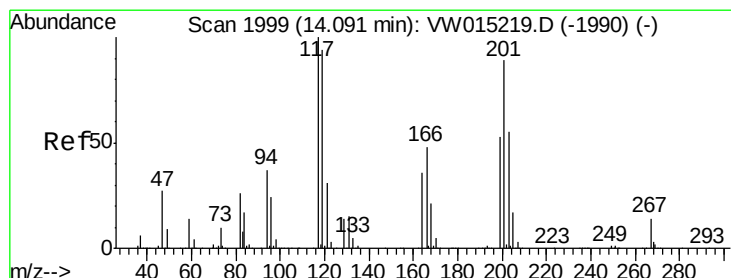
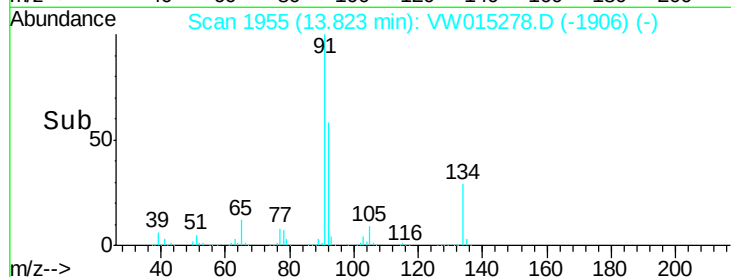
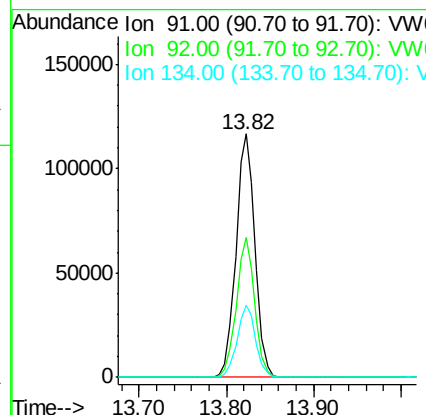
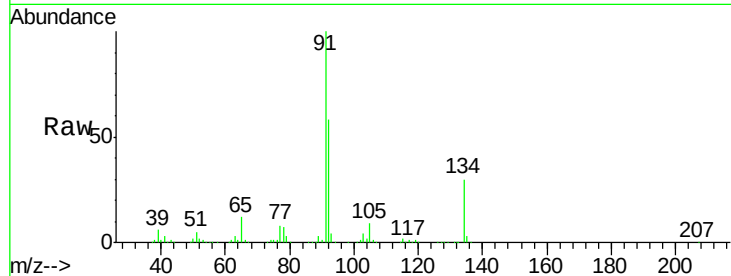
#89
n-Butylbenzene
Concen: 17.762 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	175842		
92	55.6		27.6	82.7
134	28.8		12.8	38.3

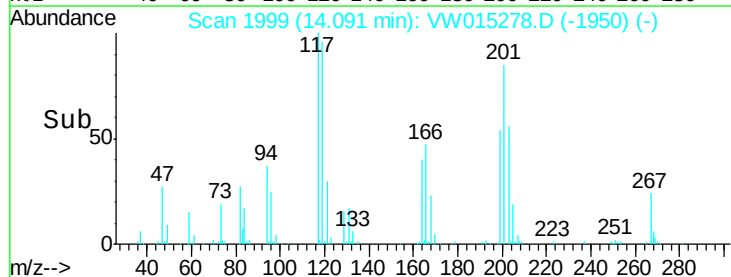
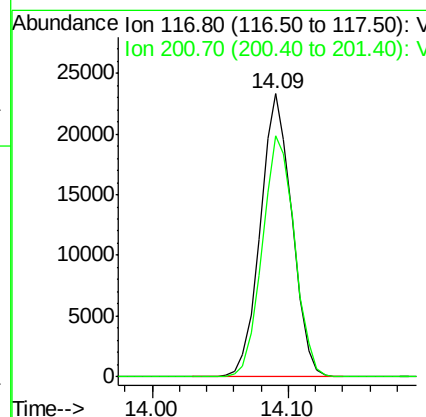
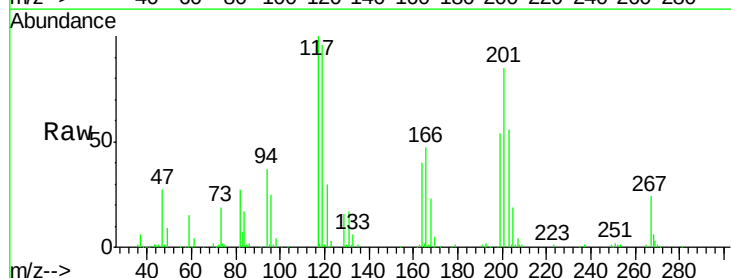
Manual Integrations
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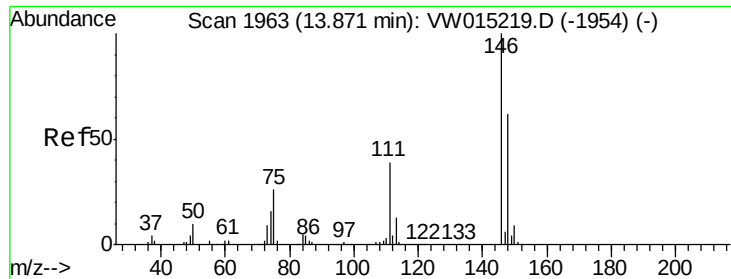
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#90
Hexachloroethane
Concen: 19.105 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37949		
201	86.9		33.6	100.6





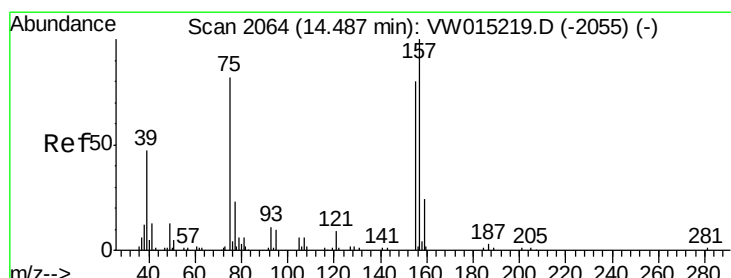
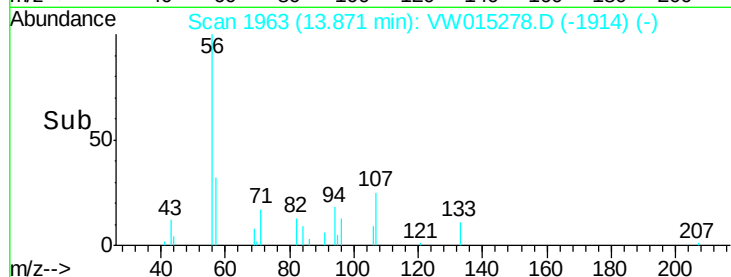
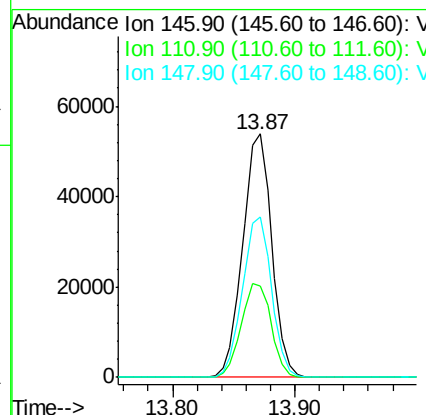
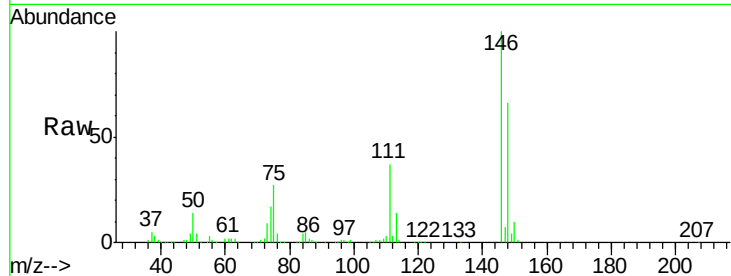
#91
 1,2-Dichlorobenzene
 Concen: 19.924 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	21.6	65.0
148	65.7	31.0	93.0

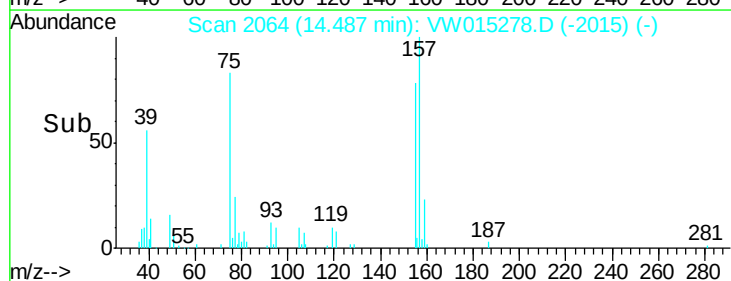
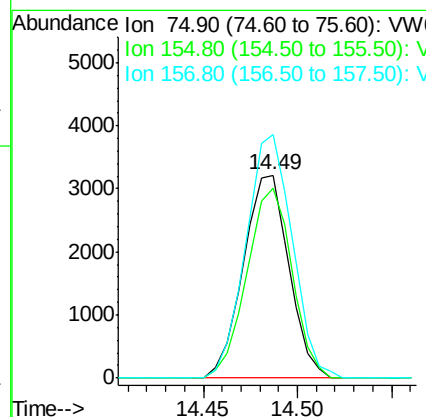
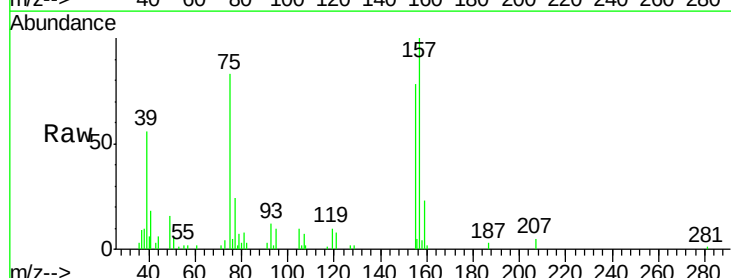
Manual Integrations
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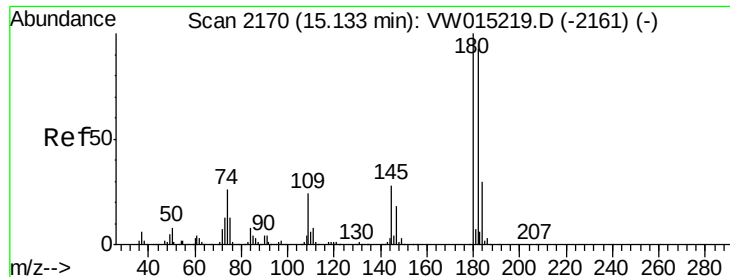
MMDadoda
 4/22/2020 11:41:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.778 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	41.6	124.9
157	121.8	53.8	161.2





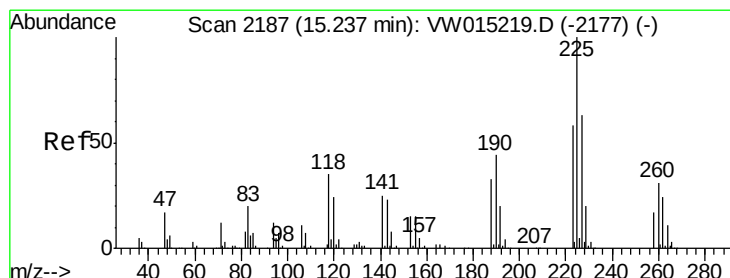
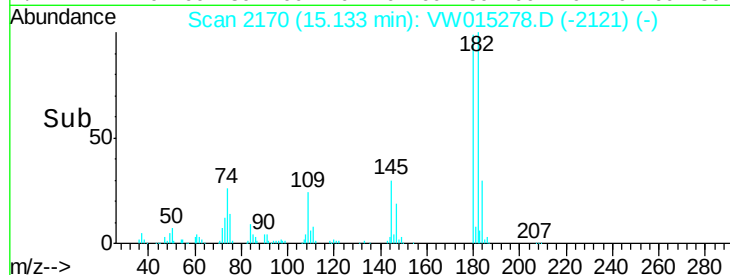
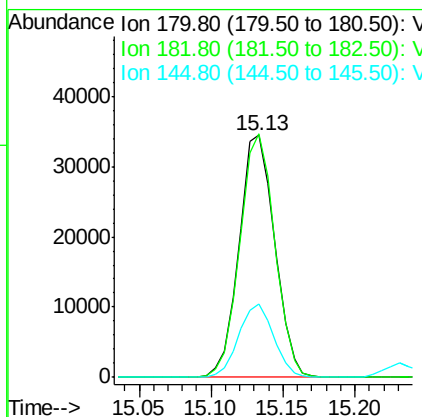
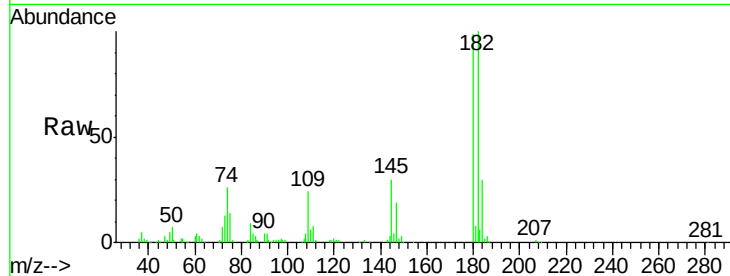
#93
 1,2,4-Trichlorobenzene
 Concen: 19.100 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.6	47.1	141.4	
145	29.8	16.2	48.6	

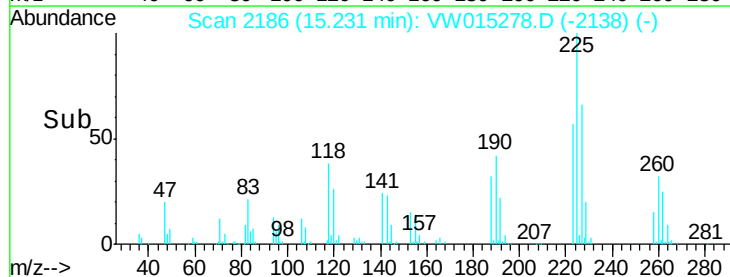
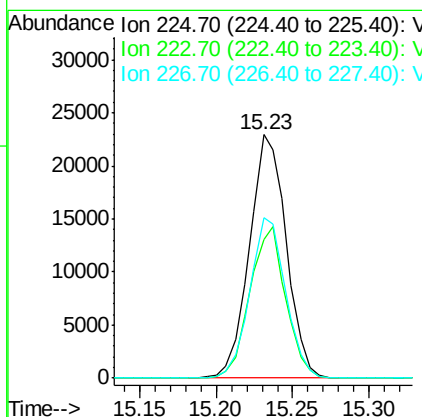
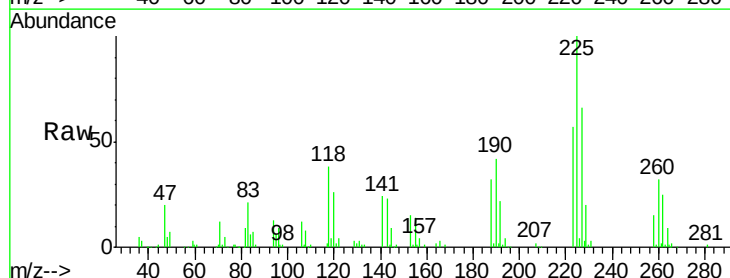
Manual Integrations
 APPROVED

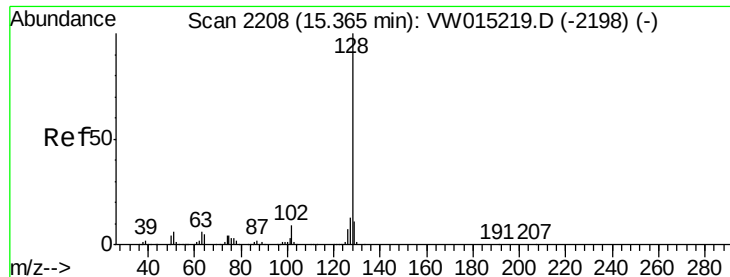
MMDadoda
 4/22/2020 11:41:48 AM



#94
 Hexachlorobutadiene
 Concen: 18.579 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW015278.D
 Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.6	31.0	93.0	
227	64.3	30.8	92.3	





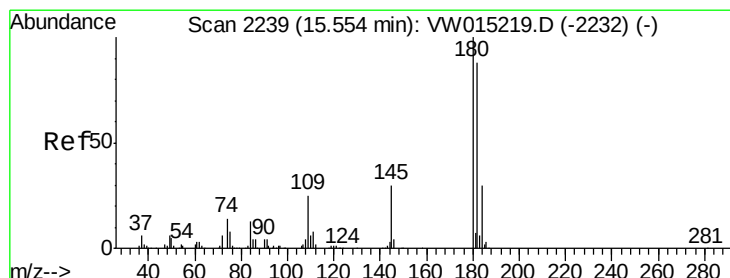
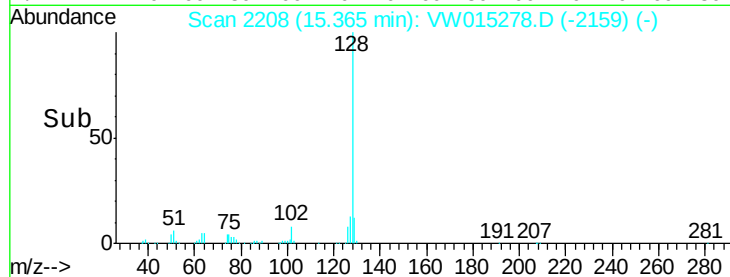
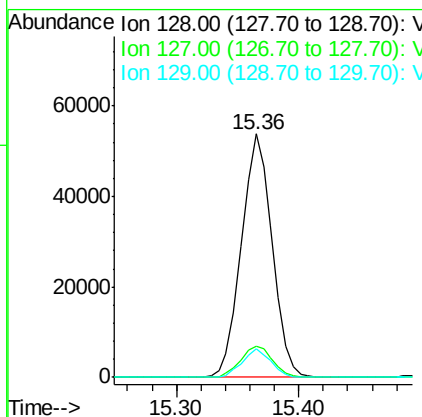
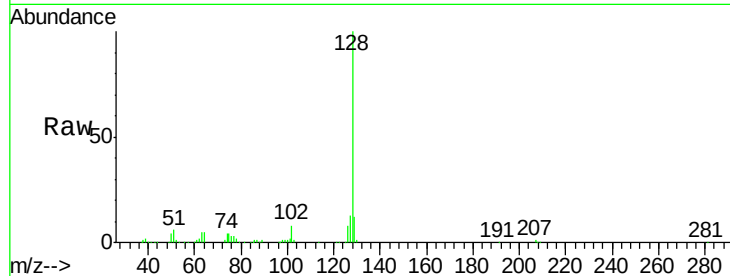
#95
Naphthalene
Concen: 18.844 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Instrument :
MSVOA_W
ClientSampleId :
VW0421SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
4/22/2020 11:41:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.168 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015278.D
Acq: 21 Apr 2020 22:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.8	146.3
145	31.7	17.2	51.6

