

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015218.D
 Acq On : 20 Apr 2020 12:55
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 10:01:15 AM

Quant Time: Apr 20 13:54:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 13:45:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	250472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174806	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	40347	17.04	ug/l	0.00
Spiked Amount			Recovery	=	34.08%	
35) Dibromofluoromethane	7.89	113	39615	19.58	ug/l	0.00
Spiked Amount			Recovery	=	39.16%	
50) Toluene-d8	10.32	98	162187	19.74	ug/l	0.00
Spiked Amount			Recovery	=	39.48%	
62) 4-Bromofluorobenzene	12.62	95	59878	20.80	ug/l	0.00
Spiked Amount			Recovery	=	41.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	41002	26.939	ug/l	96
3) Chloromethane	2.21	50	44428	20.101	ug/l	97
4) Vinyl Chloride	2.36	62	53133	20.414	ug/l	100
5) Bromomethane	2.76	94	37771	27.566	ug/l	99
6) Chloroethane	2.92	64	31707	24.696	ug/l	98
7) Trichlorofluoromethane	3.26	101	75961	45.545	ug/l	99
8) Diethyl Ether	3.69	74	20777	16.159	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46608	18.389	ug/l	93
10) Methyl Iodide	4.28	142	47073	12.437	ug/l	99
11) Tert butyl alcohol	5.18	59	14454	82.210	ug/l	96
12) 1,1-Dichloroethene	4.04	96	45176	17.307	ug/l	93
13) Acrolein	3.91	56	9027	49.386	ug/l	95
14) Allyl chloride	4.68	41	58862	15.243	ug/l	86
15) Acrylonitrile	5.37	53	36455	67.558	ug/l	98
16) Acetone	4.14	43	33880	80.315	ug/l	99
17) Carbon Disulfide	4.39	76	132893	16.727	ug/l	97
18) Methyl Acetate	4.68	43	17600	13.644	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	100238	29.321	ug/l	97
20) Methylene Chloride	4.93	84	47197	16.156	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	50901	18.482	ug/l	95
22) Diisopropyl ether	6.31	45	112719	14.474	ug/l	91
23) Vinyl Acetate	6.26	43	327459	72.402	ug/l	96
24) 1,1-Dichloroethane	6.22	63	79246	17.115	ug/l	99
25) 2-Butanone	7.18	43	44484	65.898	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	82540	26.786	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	55337	18.638	ug/l	99
28) Bromochloromethane	7.51	49	27692	14.310	ug/l #	77
29) Tetrahydrofuran	7.53	42	27831	62.896	ug/l	89
30) Chloroform	7.68	83	84836	18.705	ug/l	98
31) Cyclohexane	7.95	56	80041	16.172	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	83030	21.731	ug/l	99
36) 1,1-Dichloropropene	8.09	75	69461	21.255	ug/l	99
37) Ethyl Acetate	7.26	43	20464	15.046	ug/l #	96
38) Carbon Tetrachloride	8.07	117	74985	24.957	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	89038	20.275	ug/l	96
40) Benzene	8.32	78	181600	19.570	ug/l	96
41) Methacrylonitrile	7.48	41	12487	15.516	ug/l	92
42) 1,2-Dichloroethane	8.40	62	52290	22.202	ug/l	100
43) Isopropyl Acetate	8.43	43	43489	16.362	ug/l	96
44) Trichloroethene	9.09	130	56501	23.173	ug/l	92
45) 1,2-Dichloropropane	9.37	63	42678	18.693	ug/l	99
46) Dibromomethane	9.46	93	23367	20.479	ug/l #	89
47) Bromodichloromethane	9.65	83	65730	22.218	ug/l	99
48) Methyl methacrylate	9.44	41	19387	15.594	ug/l #	85
49) 1,4-Dioxane	9.46	88	5018	277.206	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	97291	69.207	ug/l	96
52) Toluene	10.39	92	123026	20.712	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	62441	20.746	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	74605	20.546	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	33045	20.439	ug/l	98
56) Ethyl methacrylate	10.65	69	40864	18.342	ug/l	92
57) 1,3-Dichloropropane	10.93	76	55130	19.401	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	95328	86.456	ug/l	92
59) 2-Hexanone	10.97	43	68015	77.090	ug/l	97
60) Dibromochloromethane	11.13	129	43876	22.745	ug/l	99
61) 1,2-Dibromoethane	11.24	107	31469	20.197	ug/l	98
64) Tetrachloroethene	10.86	164	48621	24.818	ug/l	94
65) Chlorobenzene	11.66	112	131578	20.967	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	47600	21.945	ug/l	99
67) Ethyl Benzene	11.73	91	246922	20.842	ug/l	97
68) m/p-Xylenes	11.84	106	193295	42.993	ug/l	100
69) o-Xylene	12.16	106	88635	21.033	ug/l	99
70) Styrene	12.18	104	151313	21.255	ug/l	100
71) Bromoform	12.35	173	25787	23.939	ug/l #	97
73) Isopropylbenzene	12.46	105	250908	19.247	ug/l	99
74) N-amyl acetate	12.27	43	40938	13.509	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	34155	15.637	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	26577m	17.761	ug/l	
77) Bromobenzene	12.75	156	56022	20.743	ug/l	86
78) n-propylbenzene	12.80	91	290726	18.492	ug/l	97
79) 2-Chlorotoluene	12.89	91	162727	18.724	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	213238	19.426	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11942	15.440	ug/l	91
82) 4-Chlorotoluene	12.99	91	172990	18.840	ug/l	99
83) tert-Butylbenzene	13.21	119	186553	19.600	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	213412	19.561	ug/l	98
85) sec-Butylbenzene	13.38	105	258965	19.144	ug/l	97
86) p-Isopropyltoluene	13.50	119	240316	19.911	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	113356	21.067	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	110377	20.677	ug/l	99
89) n-Butylbenzene	13.82	91	218412	18.304	ug/l	98
90) Hexachloroethane	14.09	117	44288	19.085	ug/l	80
91) 1,2-Dichlorobenzene	13.87	146	95018	19.862	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.48	75	5728	16.196	ug/l	89

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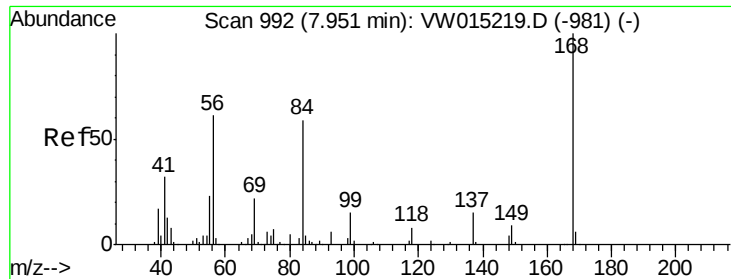
Manual Integrations
APPROVED

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4/21/2020 10:01:15 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	64093	20.304	ug/l	97
94) Hexachlorobutadiene	15.24	225	44225	24.284	ug/l	97
95) Naphthalene	15.36	128	97406	16.040	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	50649	18.697	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 250472

Ion Ratio Lower Upper

168 100

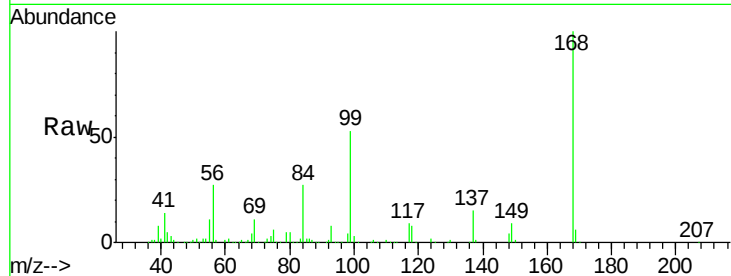
99 52.5 48.5 72.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

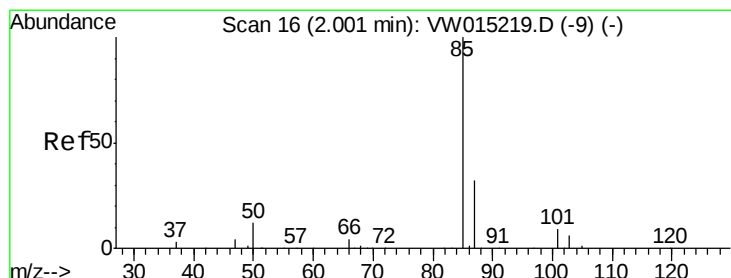
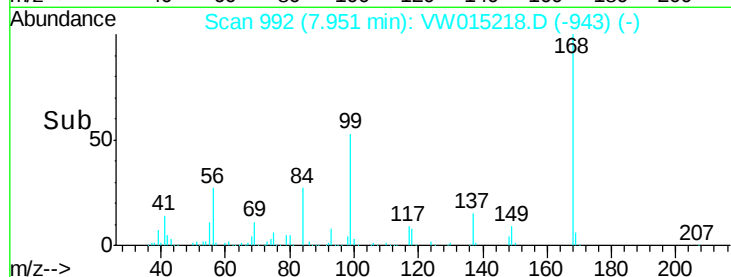
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 26.939 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015218.D

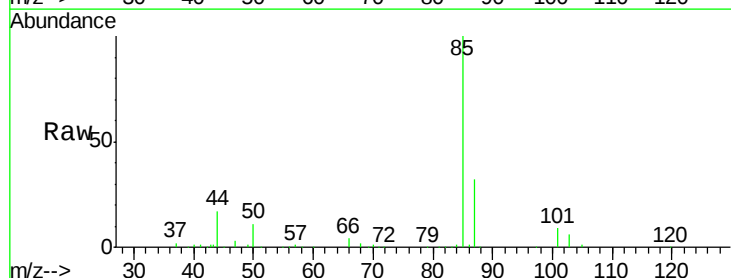
Acq: 20 Apr 2020 12:55

Tgt Ion: 85 Resp: 41002

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

2.00

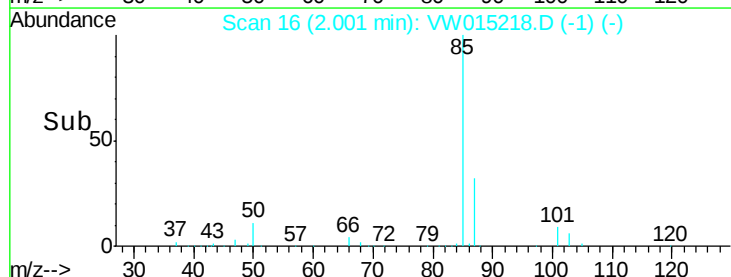
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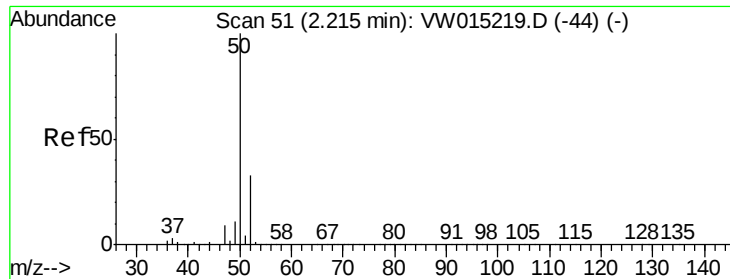
20000

10000

0

Time--> 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 20.101 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 44428

Ion Ratio Lower Upper

50 100

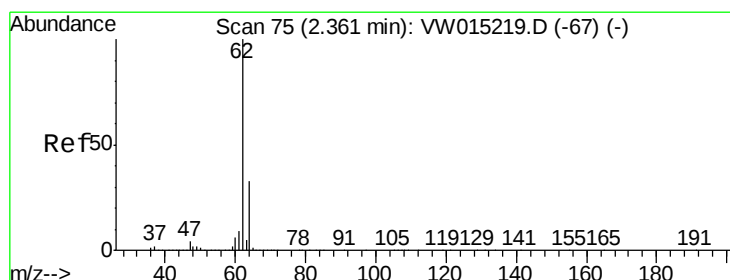
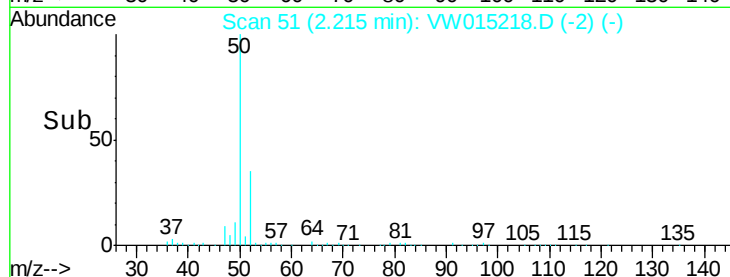
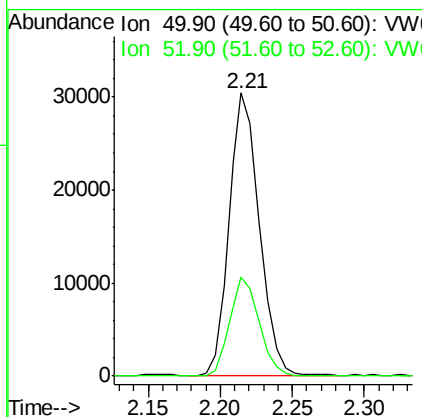
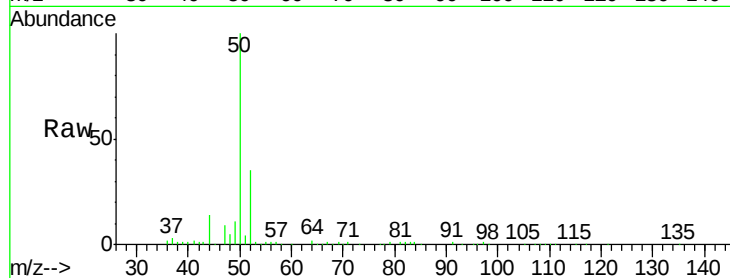
52 35.0 26.5 39.7

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#4

Vinyl Chloride

Concen: 20.414 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015218.D

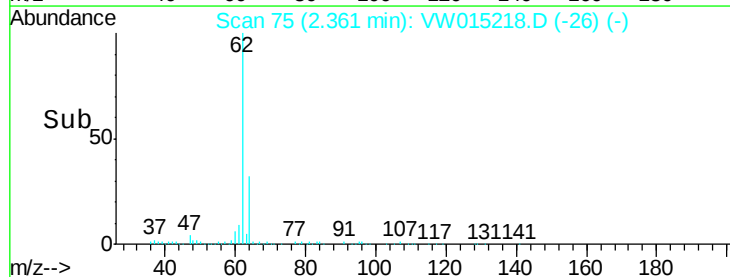
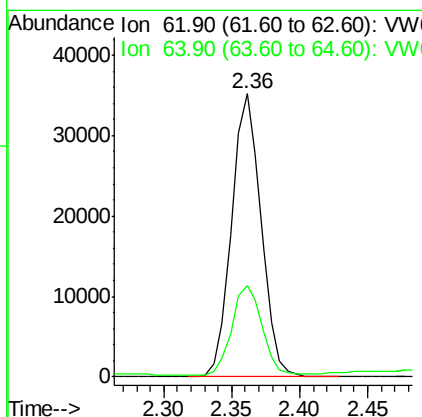
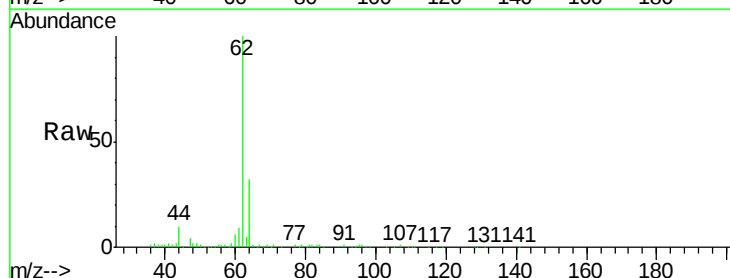
Acq: 20 Apr 2020 12:55

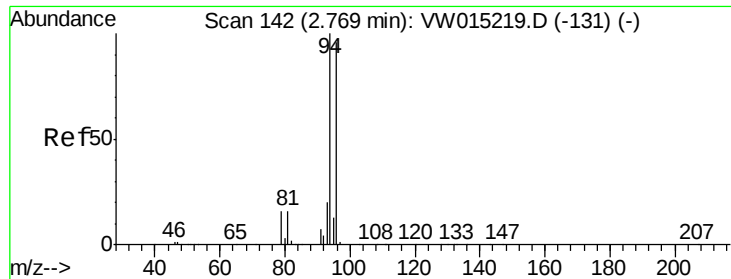
Tgt Ion: 62 Resp: 53133

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 27.566 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 37771

Ion Ratio Lower Upper

94 100

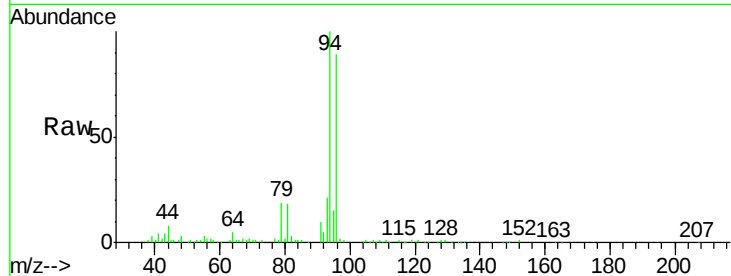
96 88.7 70.4 105.6

Manual Integrations

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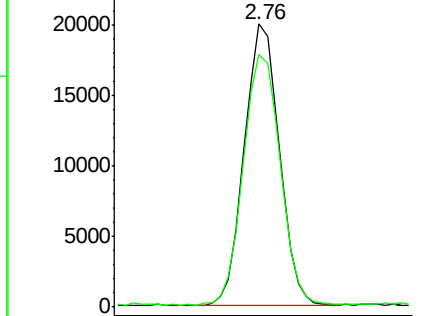
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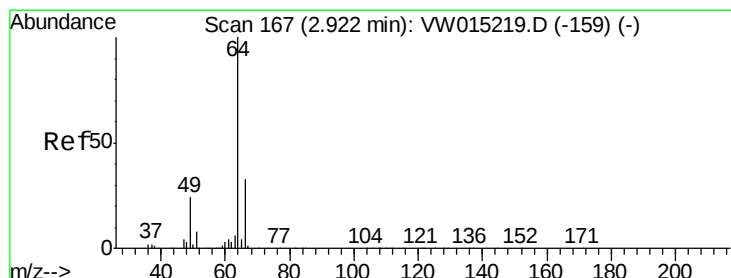
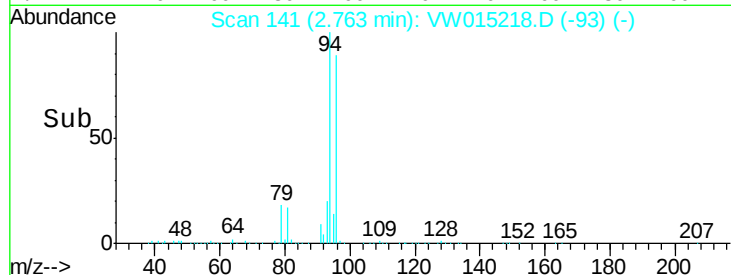


Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



Time-->



#6

Chloroethane

Concen: 24.696 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015218.D

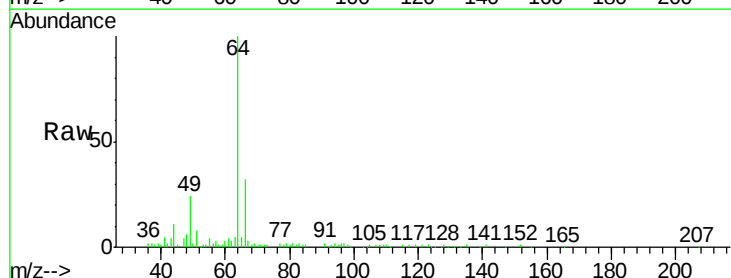
Acq: 20 Apr 2020 12:55

Tgt Ion: 64 Resp: 31707

Ion Ratio Lower Upper

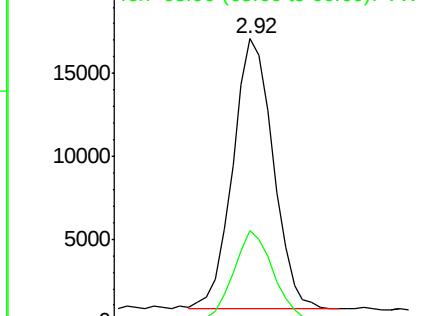
64 100

66 33.2 25.8 38.6

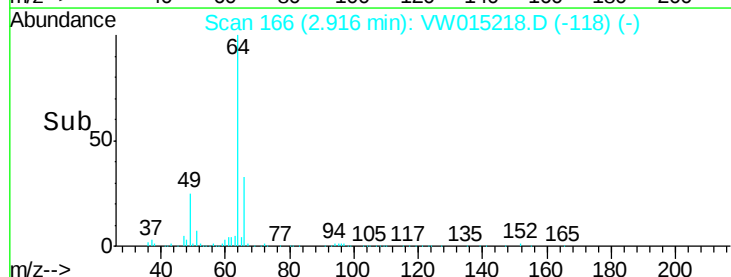


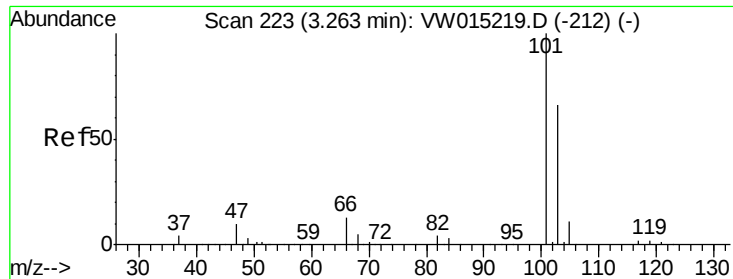
Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



Time-->





#7

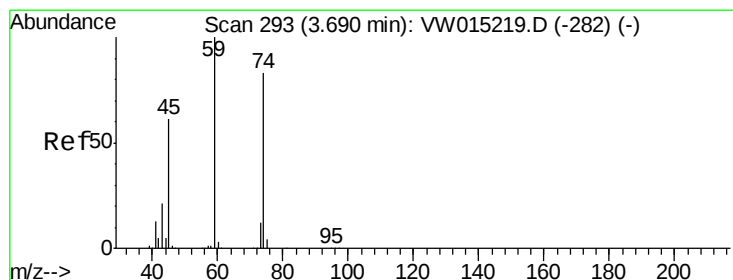
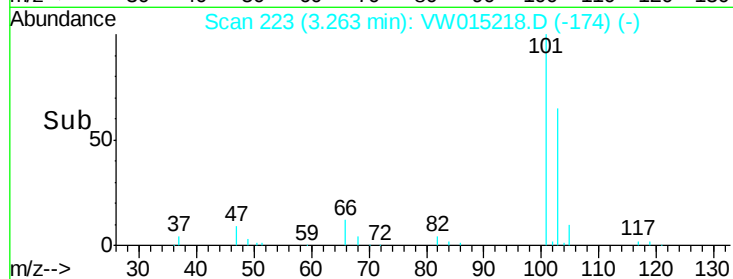
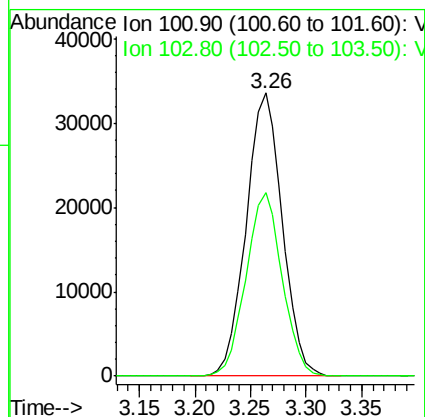
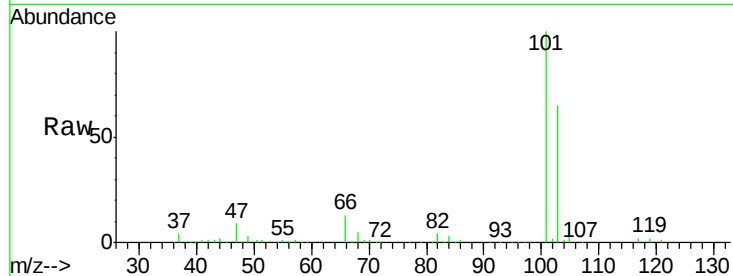
Trichlorofluoromethane
 Concen: 45.545 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015218.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.3	76.9

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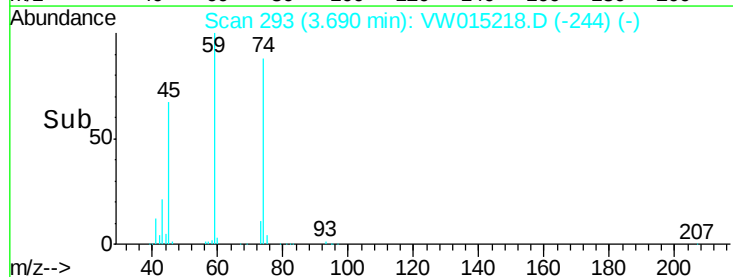
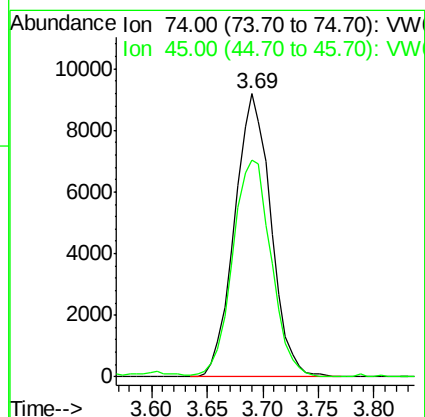
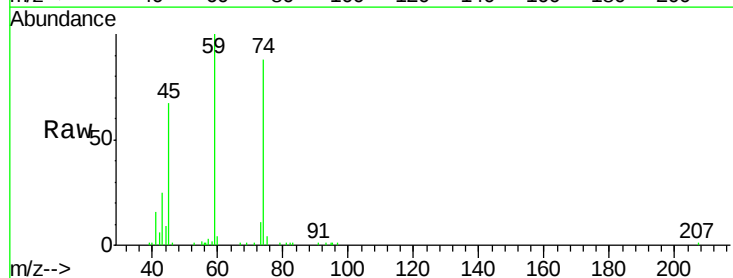
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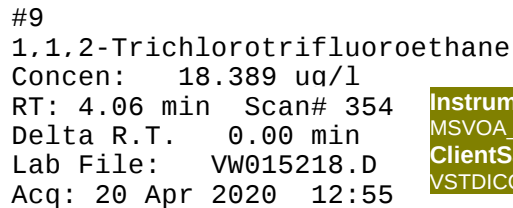


#8

Diethyl Ether
 Concen: 16.159 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW015218.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.3	45.5	136.5



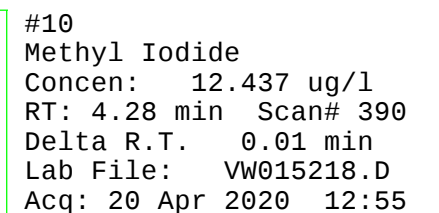
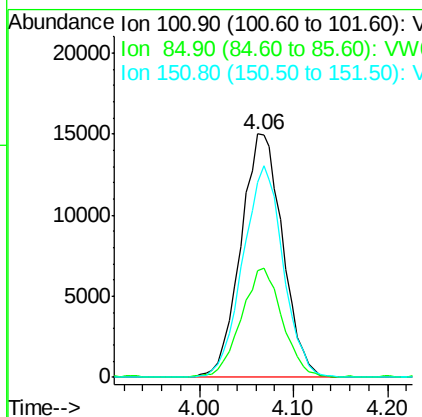


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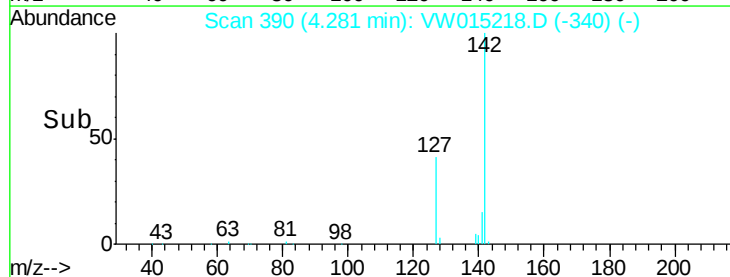
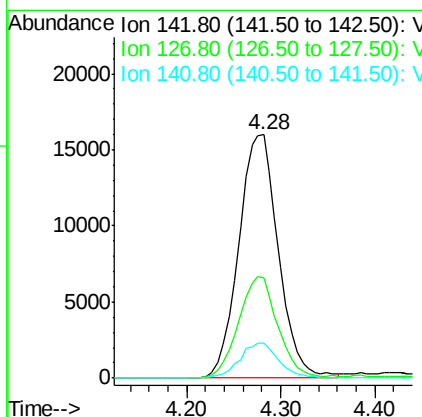
Tqt	Ion:101	Resp:	46608
Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.3	52.9
151	83.9	59.3	88.9

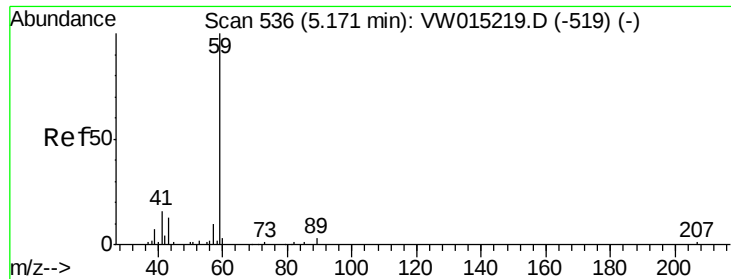
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Tgt	Ion:142	Resp:	47073
Ion	Ratio	Lower	Upper
142	100		
127	41.2	33.9	50.9
141	14.2	11.4	17.2





#11

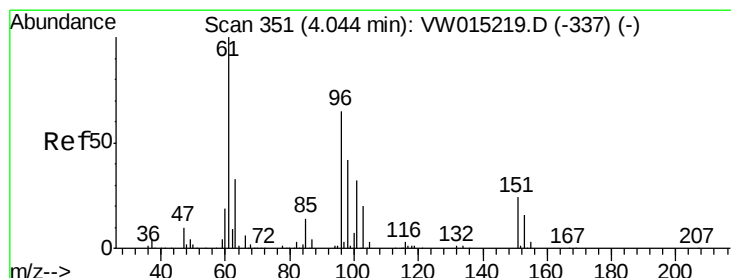
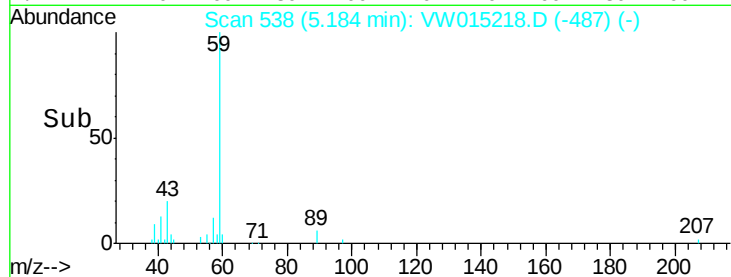
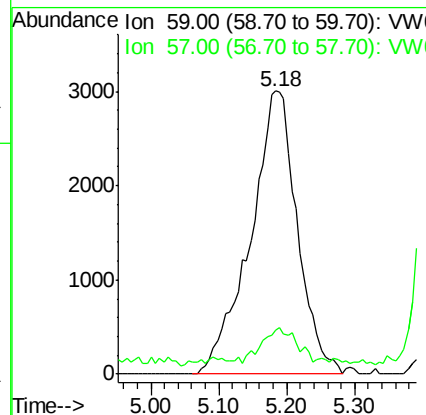
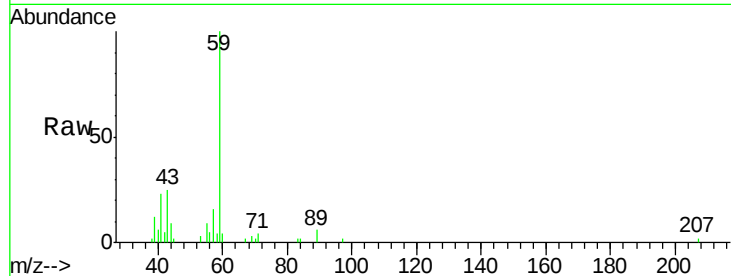
Tert butyl alcohol
Concen: 82.210 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	8.4	12.6

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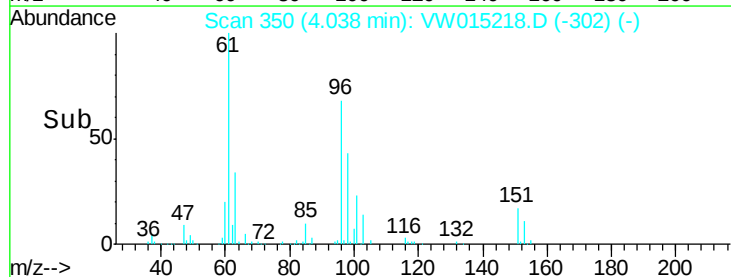
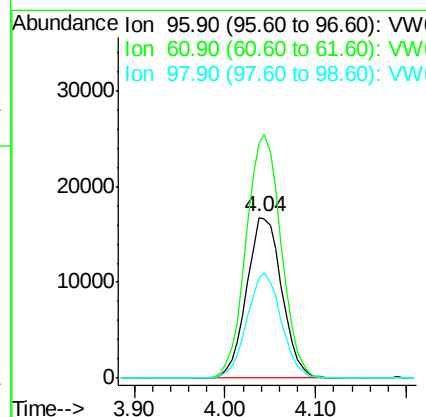
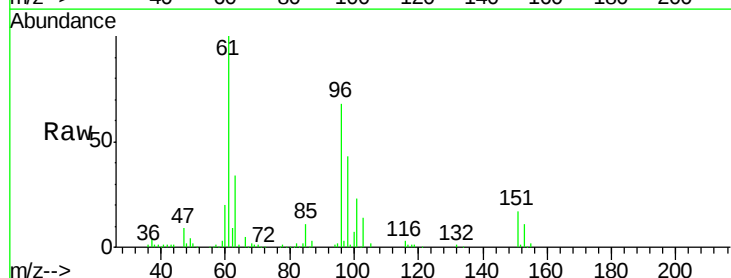
MMDadoda
4/21/2020 10:01:15 AM

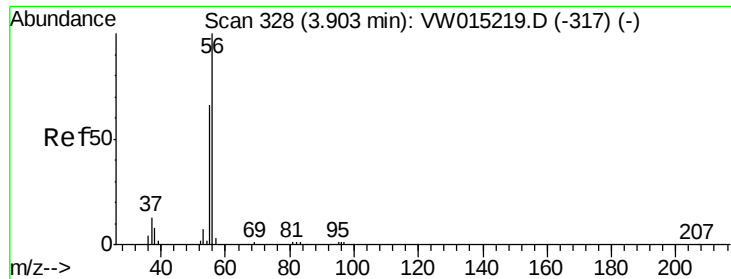


#12

1,1-Dichloroethene
Concen: 17.307 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.4	127.0	190.4
98	62.8	51.0	76.4





#13

Acrolein

Concen: 49.386 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 9027

Ion Ratio Lower Upper

56 100

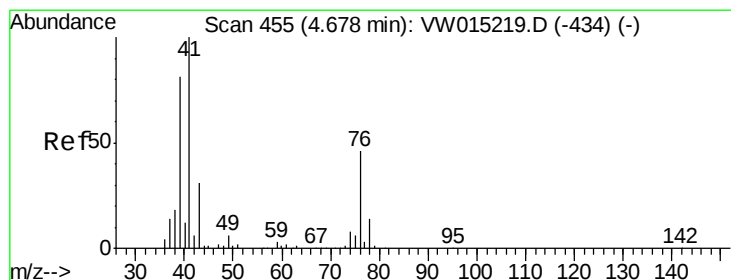
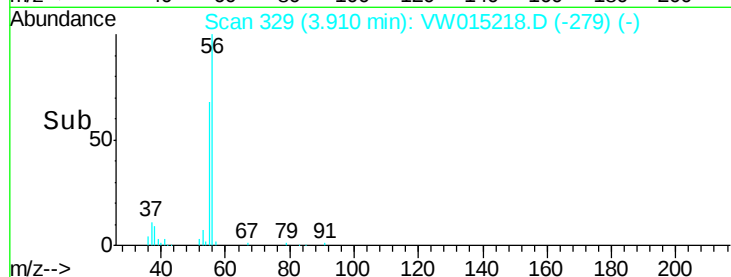
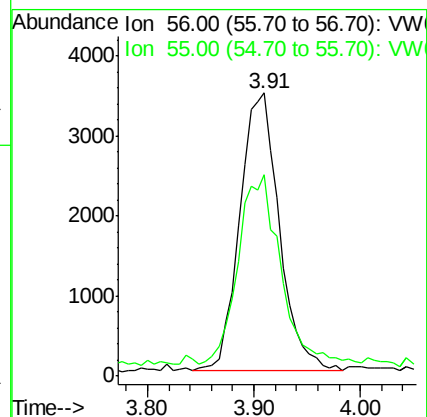
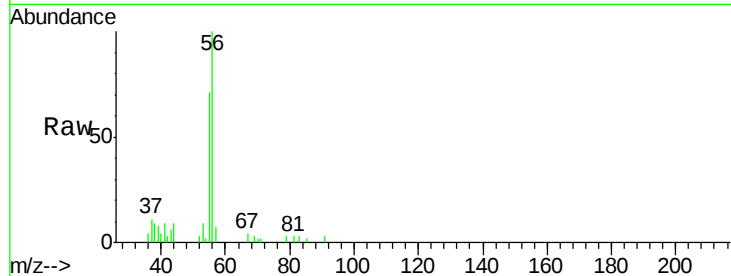
55 73.9 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 15.243 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

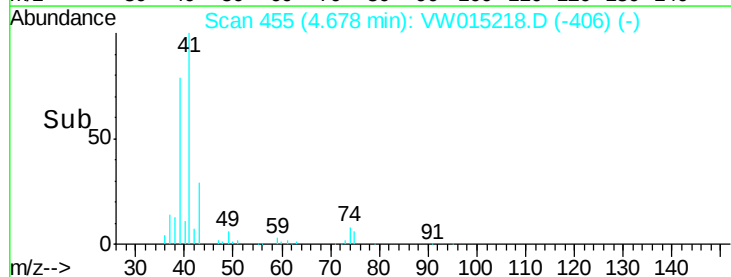
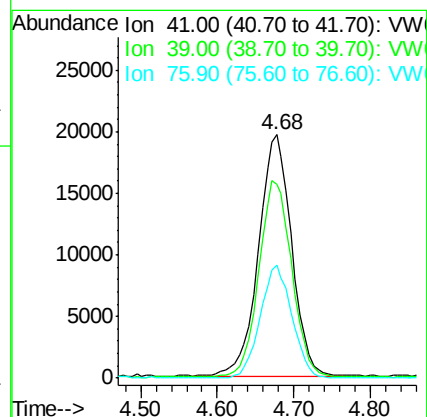
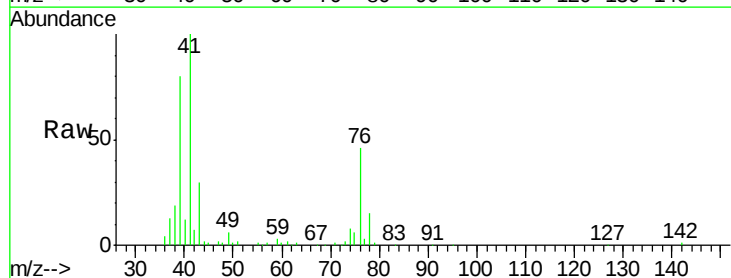
Tgt Ion: 41 Resp: 58862

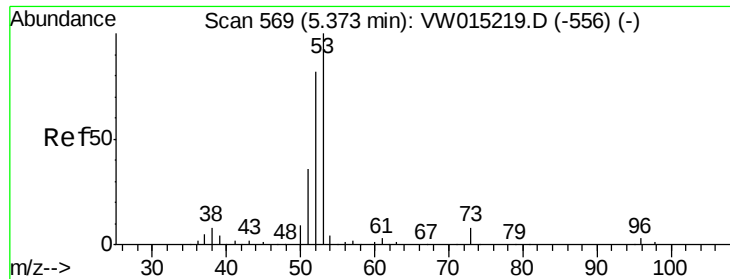
Ion Ratio Lower Upper

41 100

39 80.9 54.0 81.0

76 44.9 31.8 47.6





#15

Acrylonitrile

Concen: 67.558 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

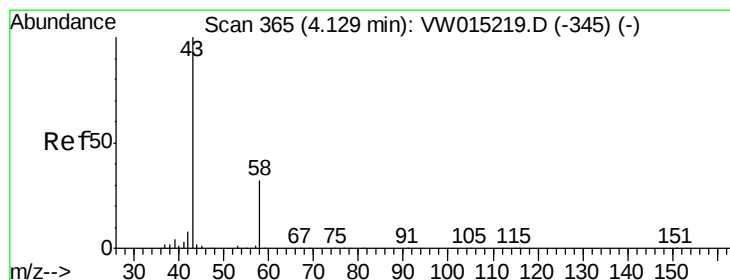
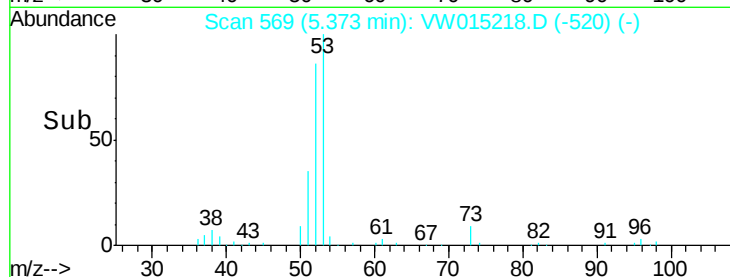
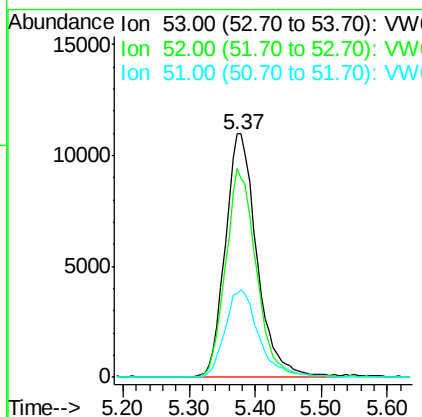
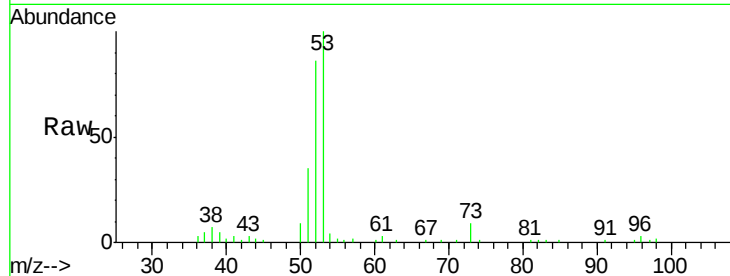
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	36455
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.2	97.8
51	38.4	28.2	42.4

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#16

Acetone

Concen: 80.315 ug/l

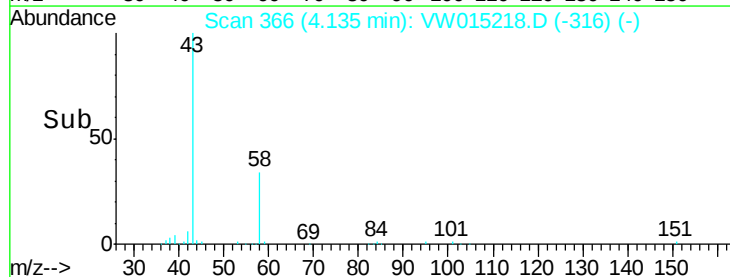
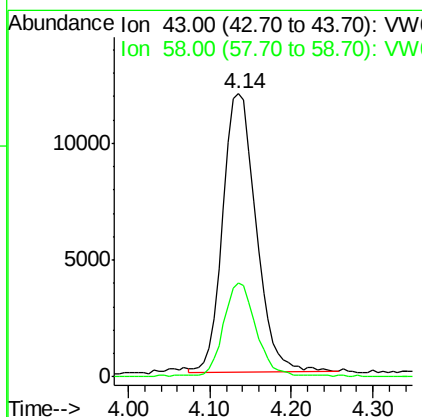
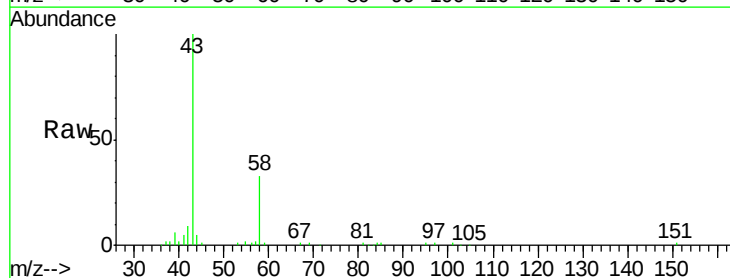
RT: 4.14 min Scan# 366

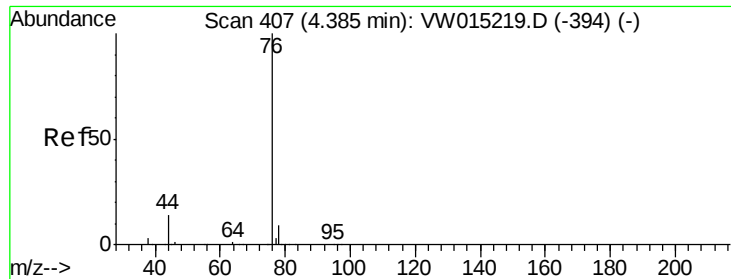
Delta R.T. 0.01 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Tgt Ion:	43	Resp:	33880
Ion	Ratio	Lower	Upper
43	100		
58	33.3	27.0	40.4





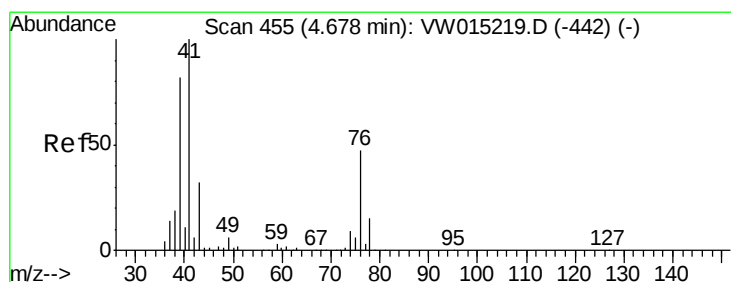
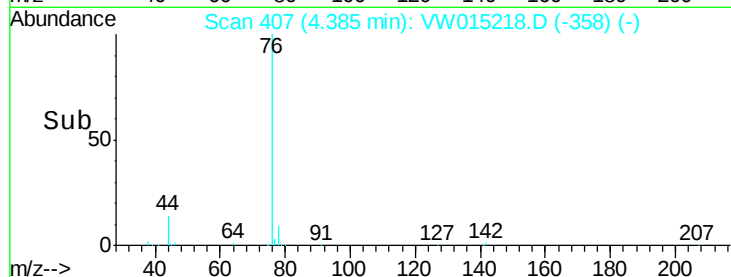
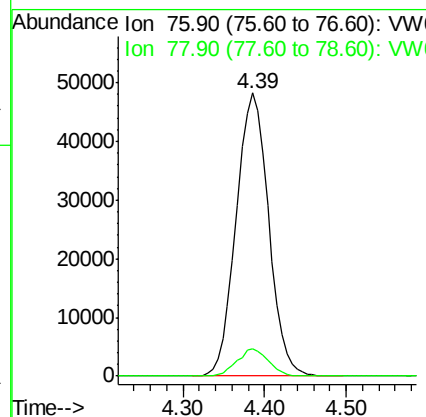
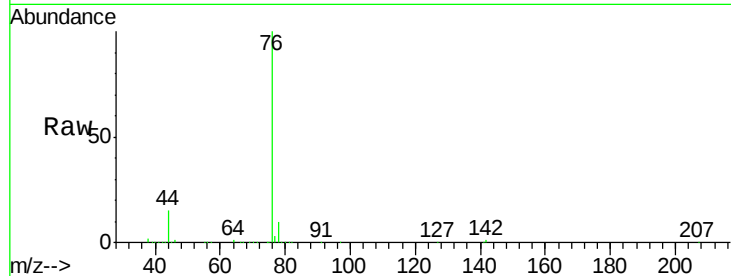
#17
Carbon Disulfide
Concen: 16.727 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.0	10.6

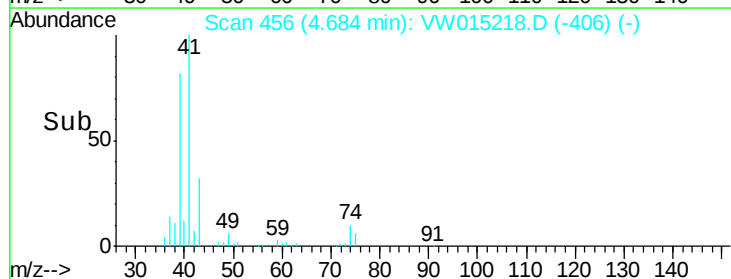
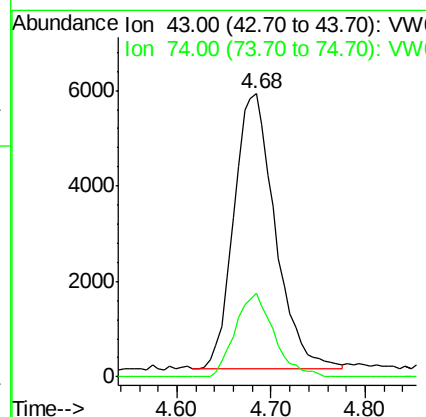
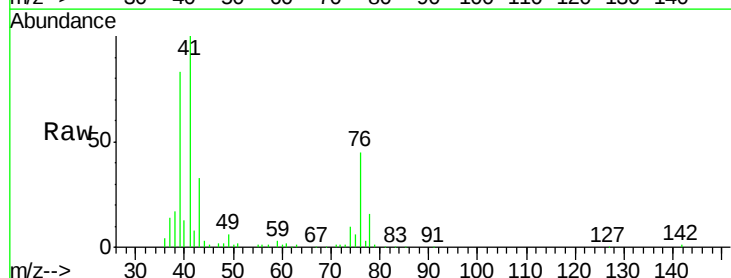
Manual Integrations
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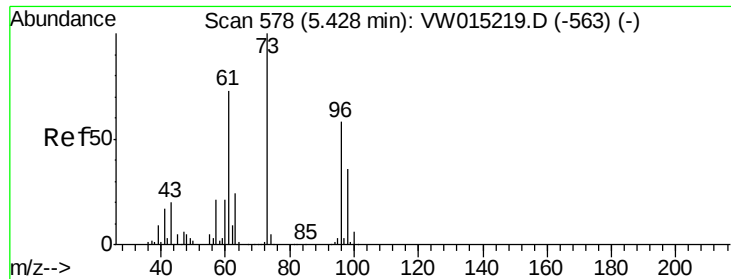
MMDadoda
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#18
Methyl Acetate
Concen: 13.644 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.5	20.6	31.0





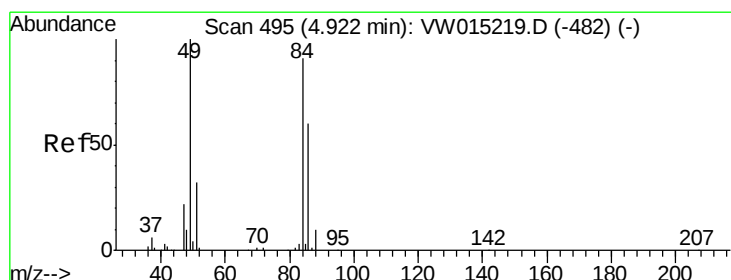
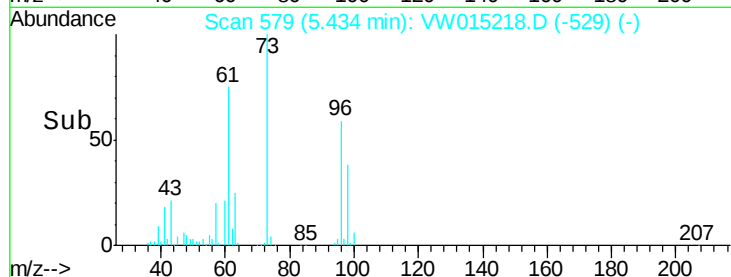
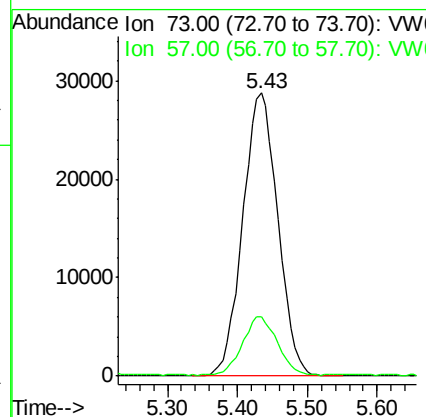
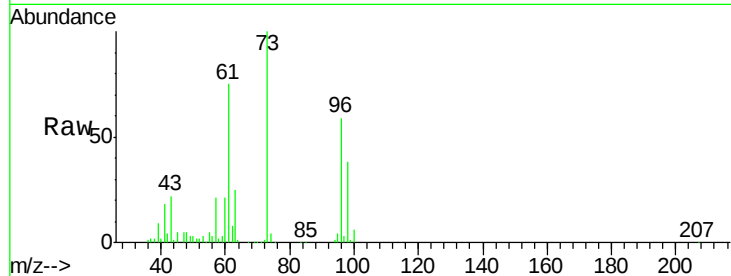
#19
Methyl tert-butyl Ether
Concen: 29.321 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 100238
Ion Ratio Lower Upper
73 100
57 20.6 17.8 26.6

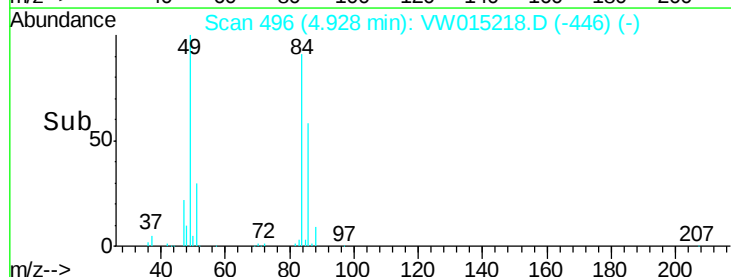
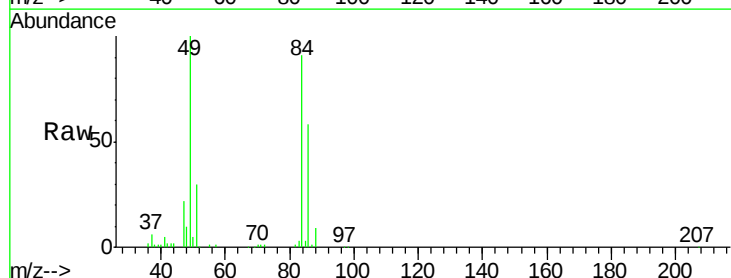
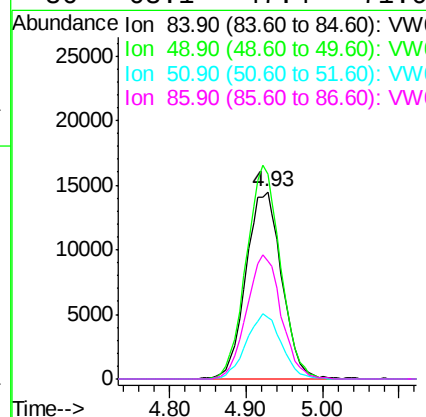
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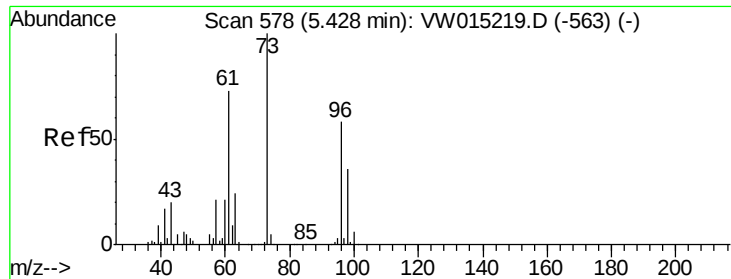
MMDadoda
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#20
Methylene Chloride
Concen: 16.156 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion: 84 Resp: 47197
Ion Ratio Lower Upper
84 100
49 109.6 95.4 143.0
51 32.8 29.8 44.8
86 63.1 47.4 71.0





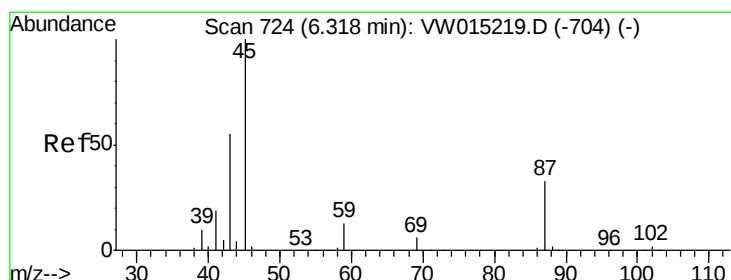
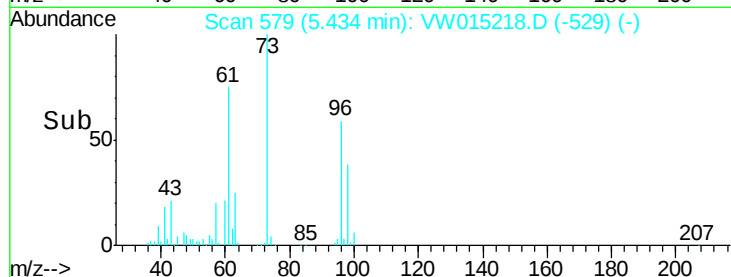
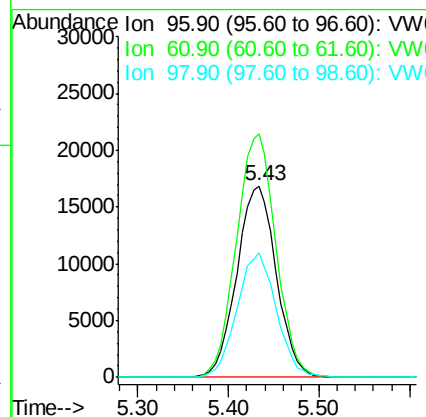
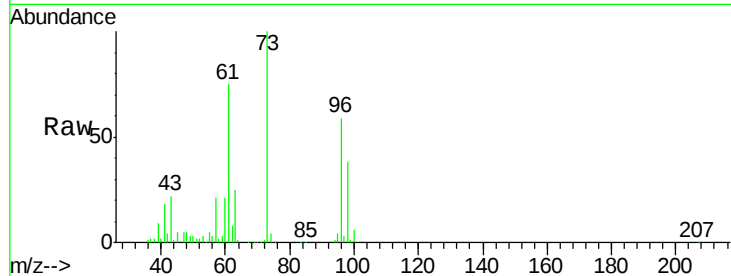
#21
trans-1,2-Dichloroethene
Concen: 18.482 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.9	107.8	161.6
98	64.9	50.2	75.2

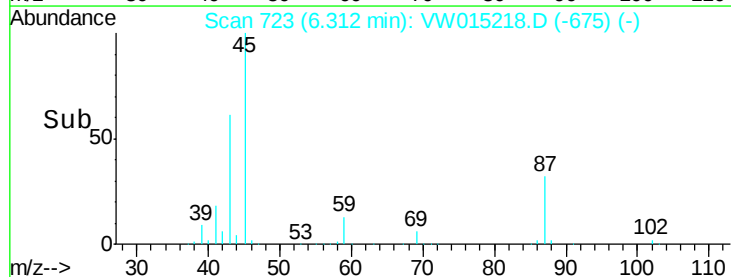
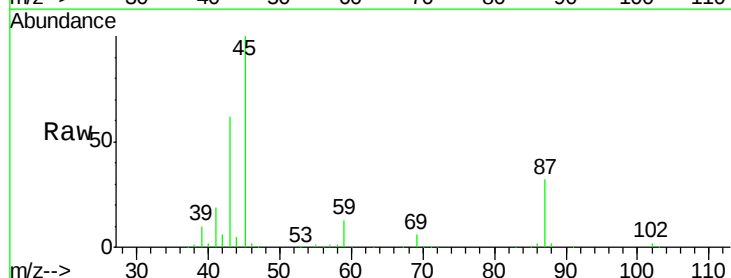
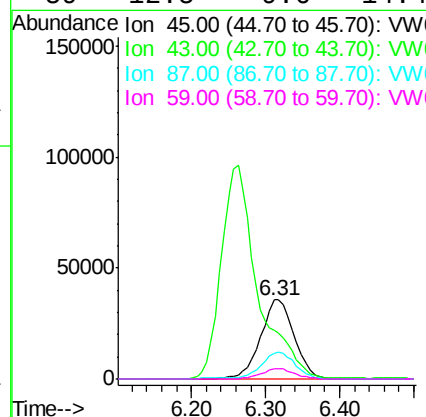
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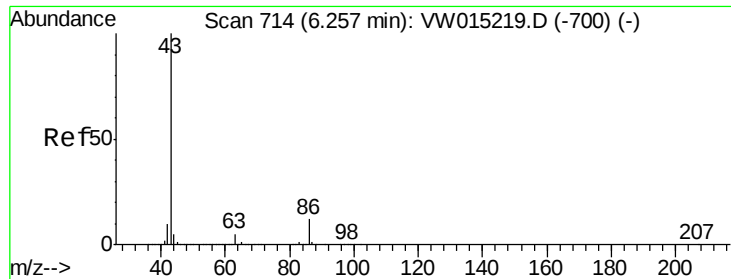
MMDadoda
4/21/2020 10:01:15 AM



#22
Diisopropyl ether
Concen: 14.474 ug/l
RT: 6.31 min Scan# 723
Delta R.T. -0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.7	41.8	62.6
87	32.2	23.2	34.8
59	12.5	9.6	14.4





#23

Vinyl Acetate

Concen: 72.402 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 327459

Ion Ratio Lower Upper

43 100

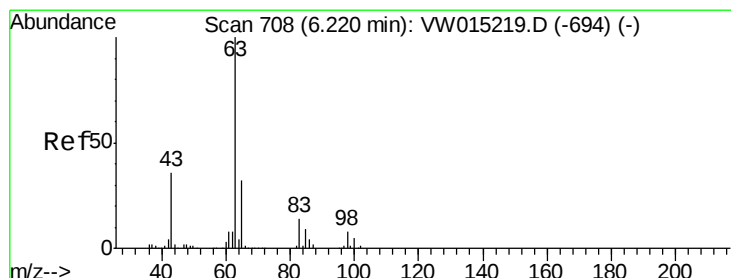
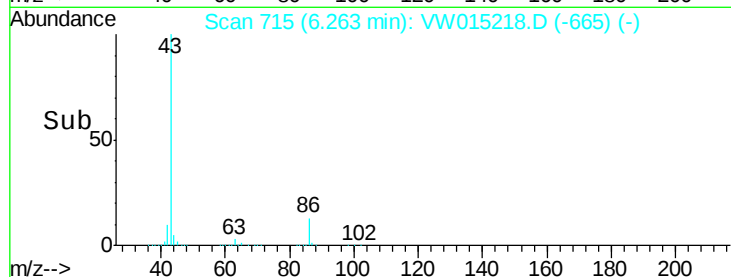
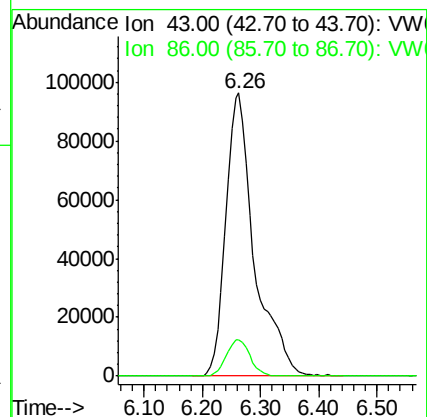
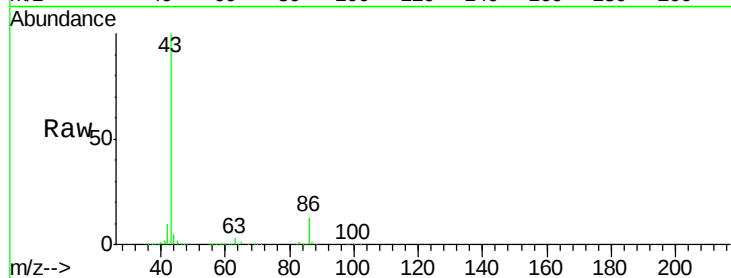
86 12.8 9.1 13.7

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#24

1,1-Dichloroethane

Concen: 17.115 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

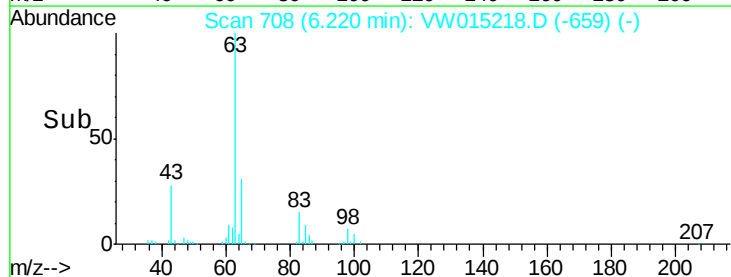
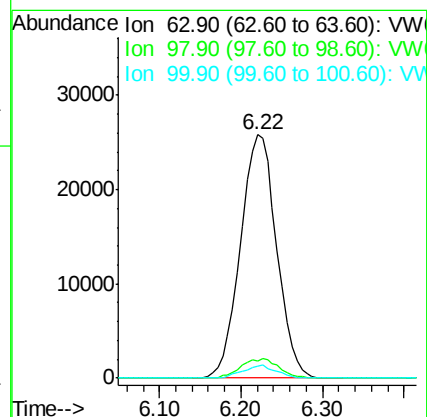
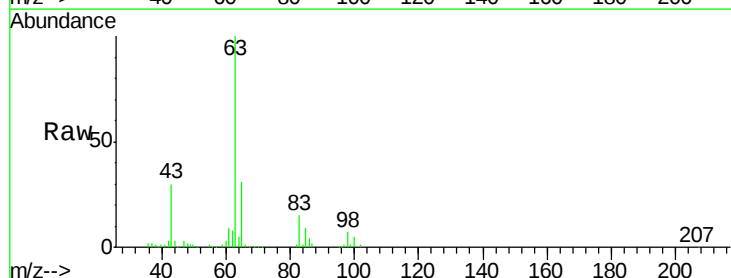
Tgt Ion: 63 Resp: 79246

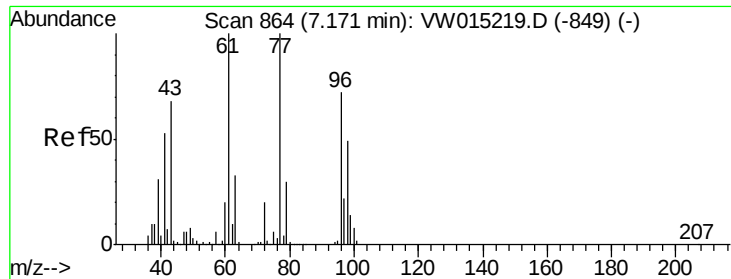
Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.9

100 5.0 2.4 7.2





#25

2-Butanone

Concen: 65.898 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 44484

Ion Ratio Lower Upper

43 100

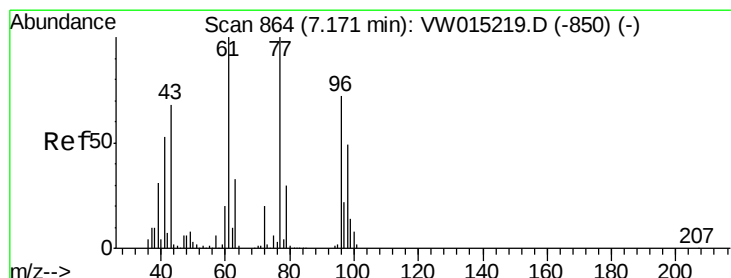
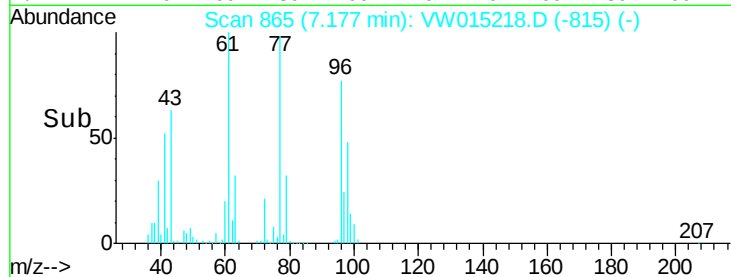
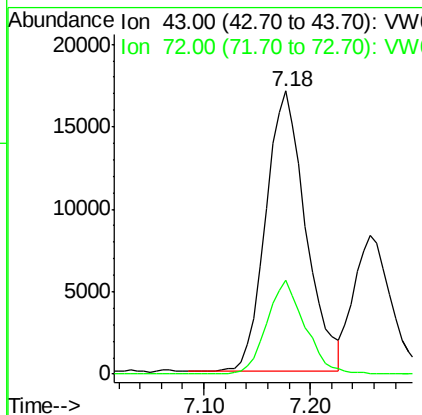
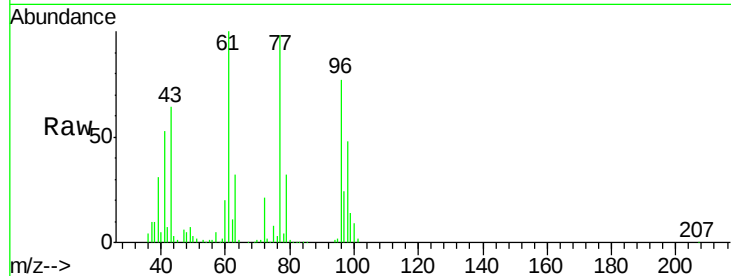
72 33.3 21.6 32.4#

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#26

2,2-Dichloropropane

Concen: 26.786 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015218.D

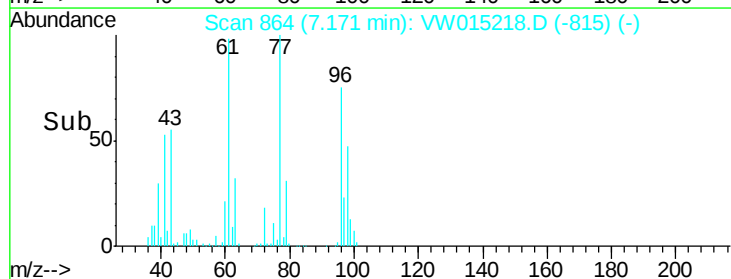
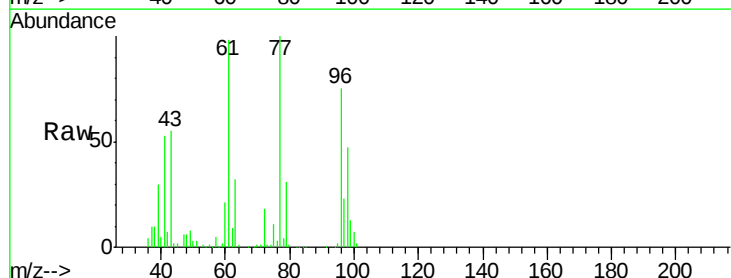
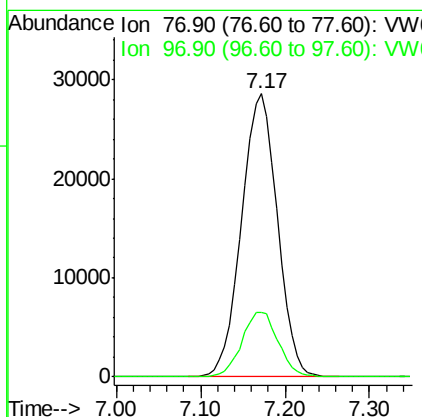
Acq: 20 Apr 2020 12:55

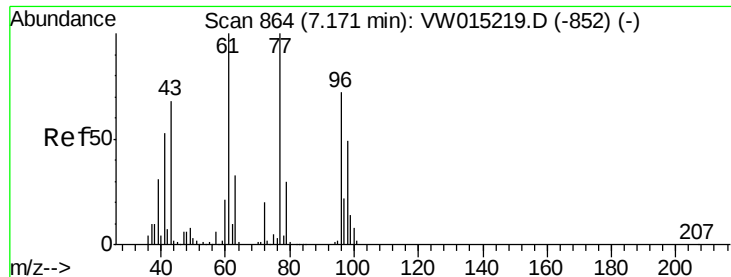
Tgt Ion: 77 Resp: 82540

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.5





#27

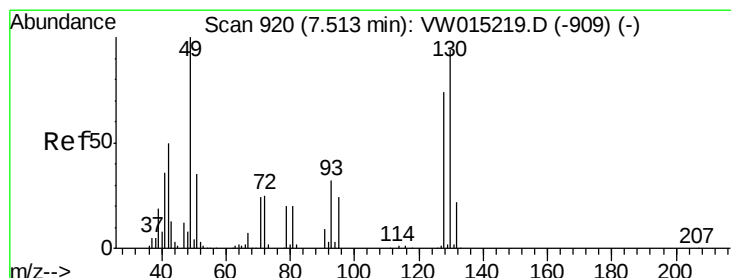
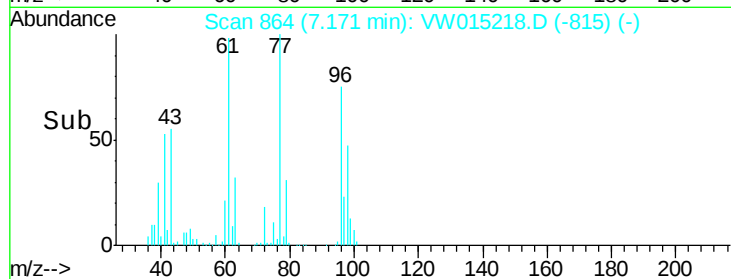
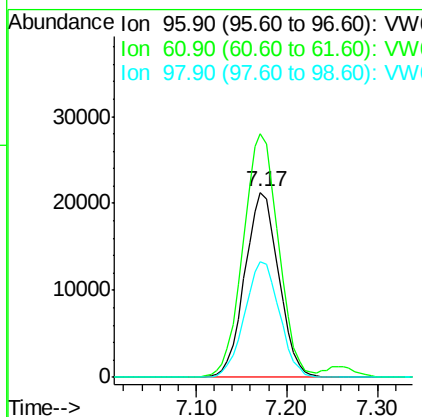
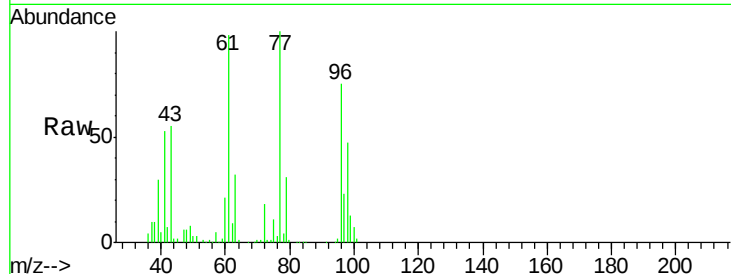
cis-1,2-Dichloroethene
Concen: 18.638 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.3	0.0	275.0
98	63.8	0.0	130.8

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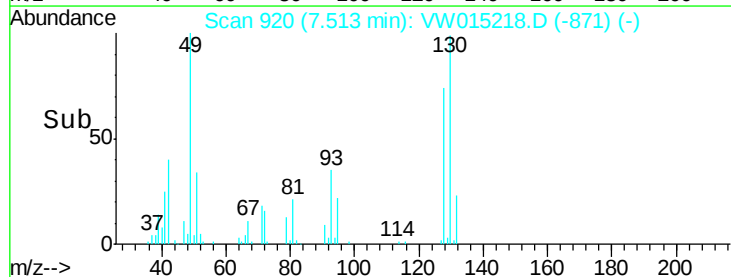
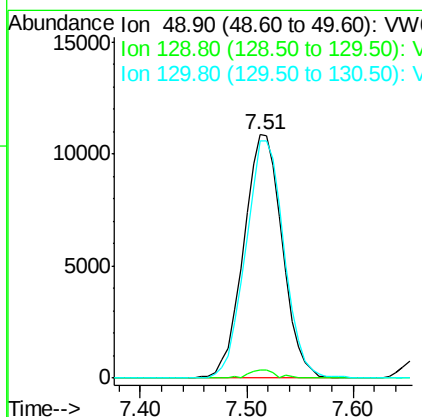
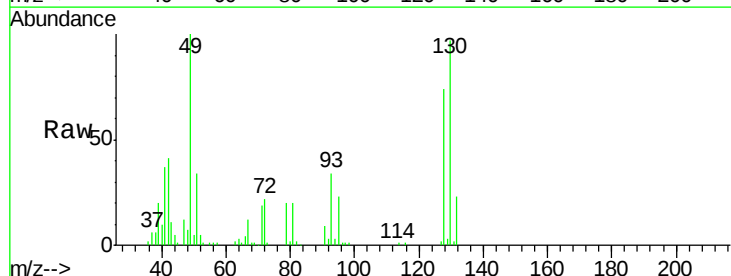
MMDadoda
4/21/2020 10:01:15 AM

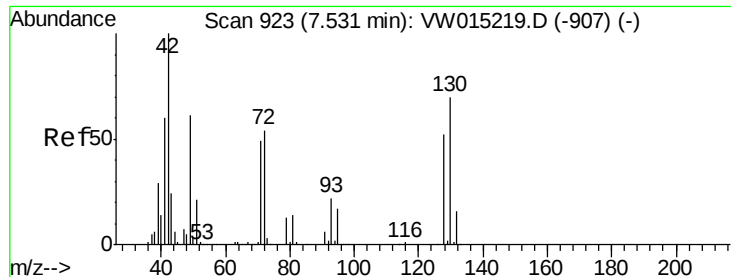


#28

Bromochloromethane
Concen: 14.310 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	96.7	60.9	91.3#





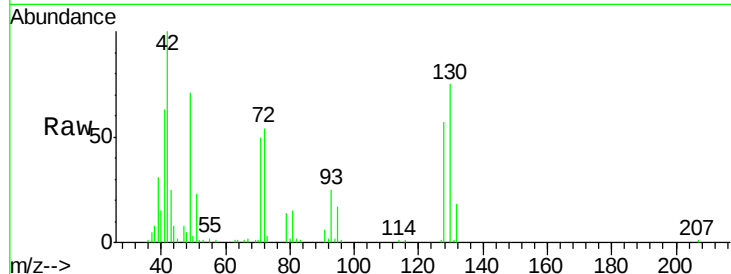
#29
Tetrahydrofuran
Concen: 62.896 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

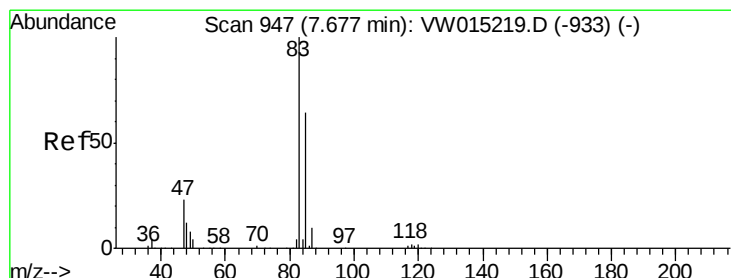
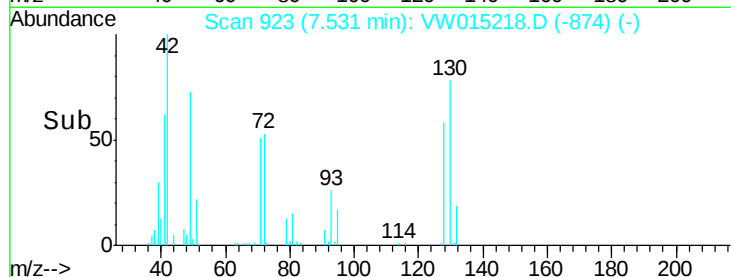
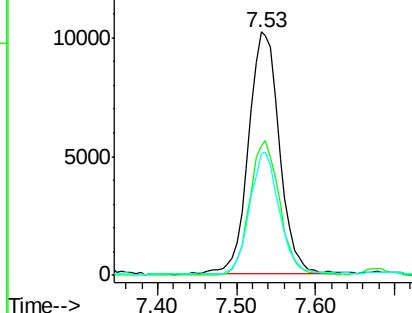
Tot Ion	Ratio	Lower	Upper
42	100		
72	53.9	36.2	54.2
71	48.2	34.2	51.4

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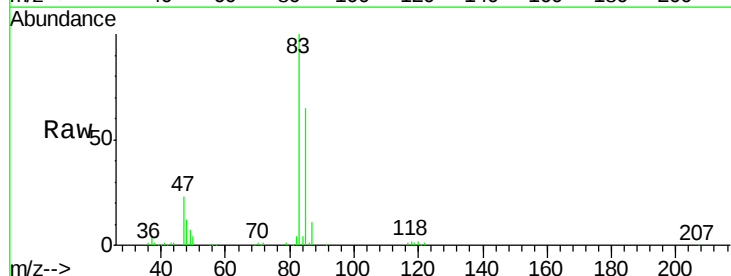


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

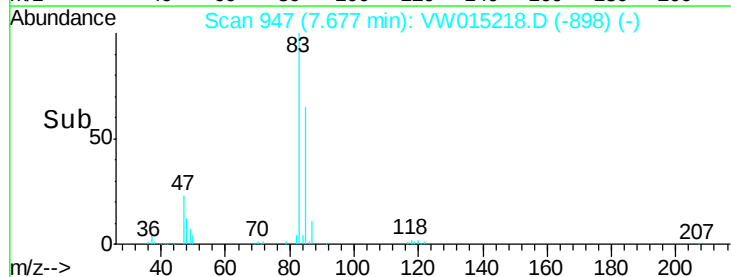
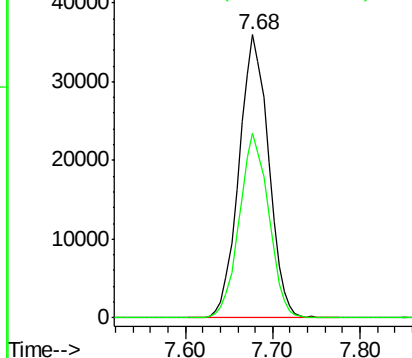


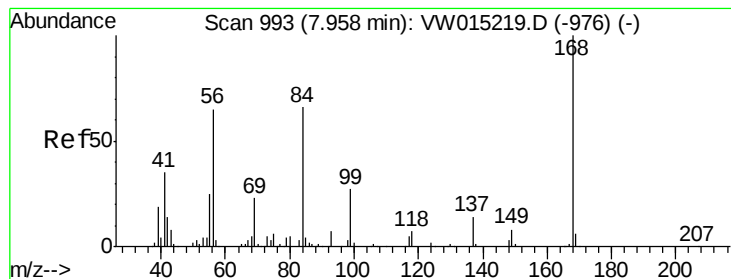
#30
Chloroform
Concen: 18.705 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.9	76.3



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 16.172 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

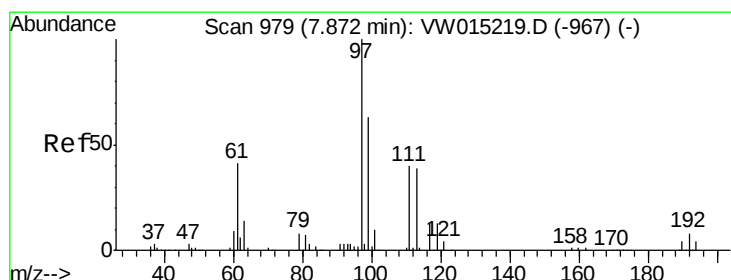
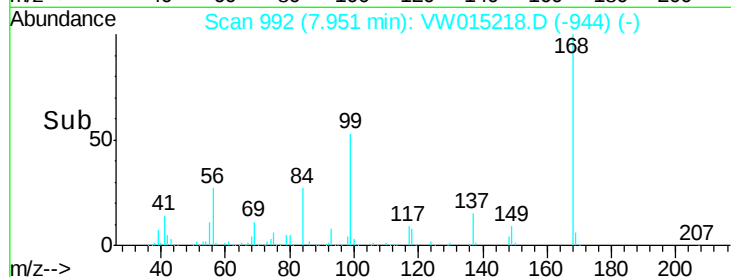
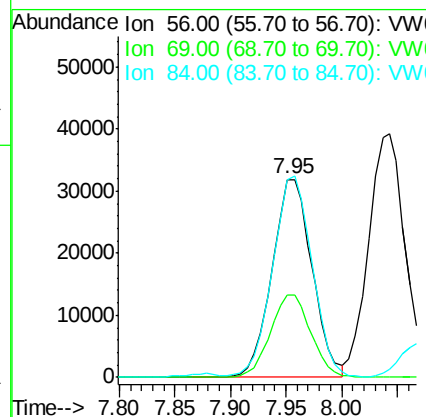
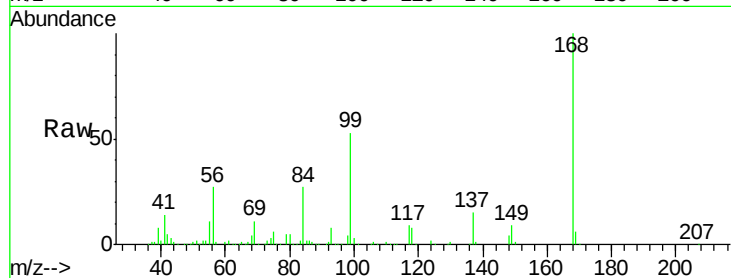
ClientSampleID :

VSTDIC020

Tot Ion:	56	Resp:	80041
Ion Ratio	Lower	Upper	
56	100		
69	41.3	27.1	40.7#
84	98.3	71.9	107.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.731 ug/l

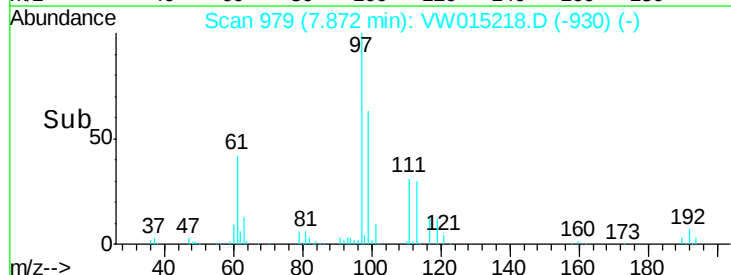
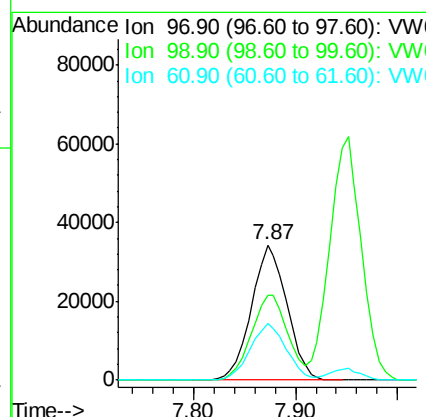
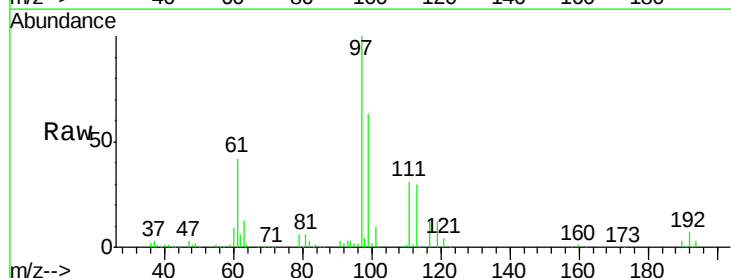
RT: 7.87 min Scan# 979

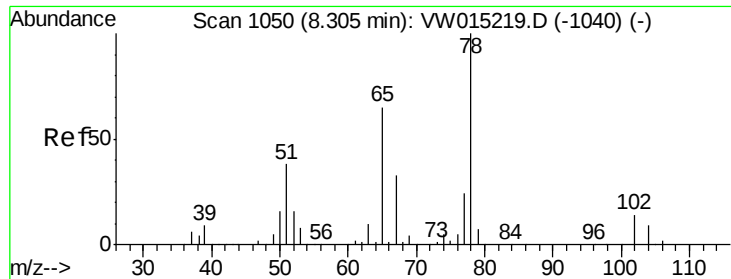
Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Tgt Ion:	97	Resp:	83030
Ion Ratio	Lower	Upper	
97	100		
99	64.6	52.2	78.2
61	42.3	34.2	51.2





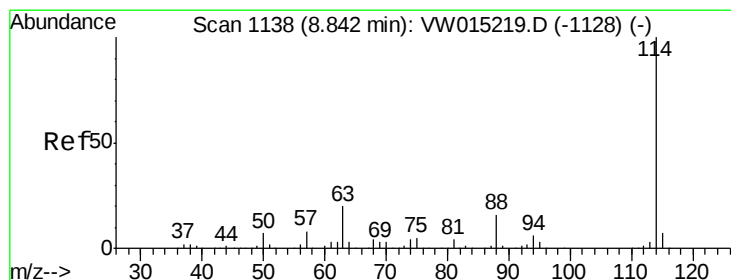
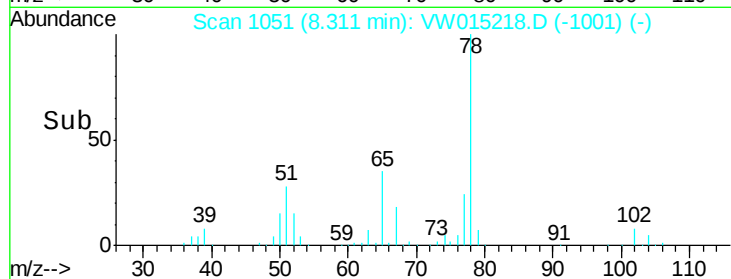
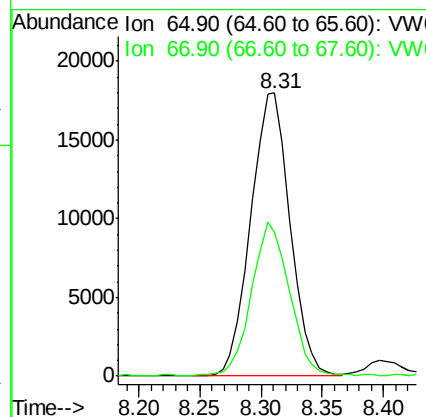
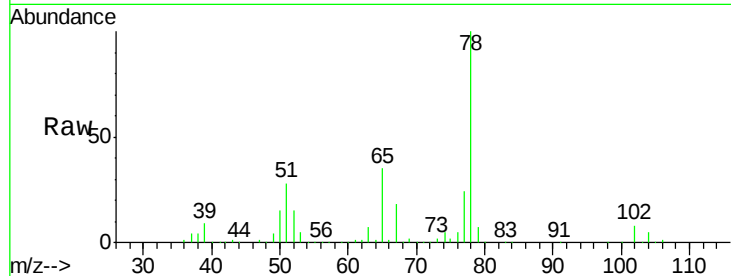
#33
 1,2-Dichloroethane-d4
 Concen: 17.036 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	107.0

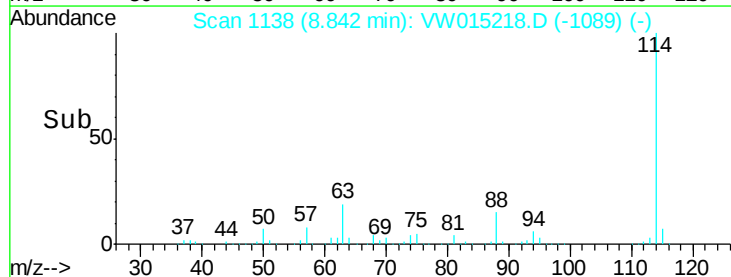
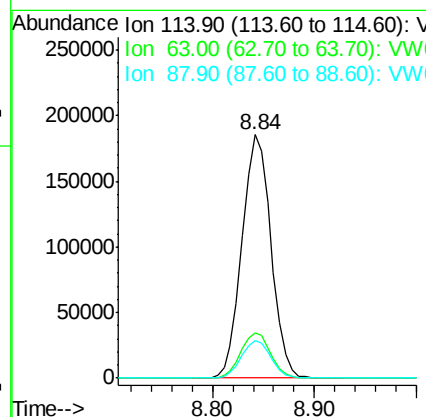
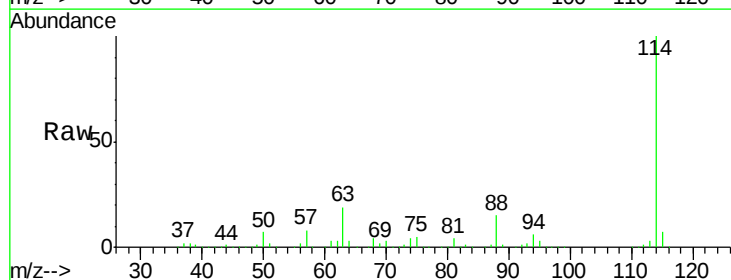
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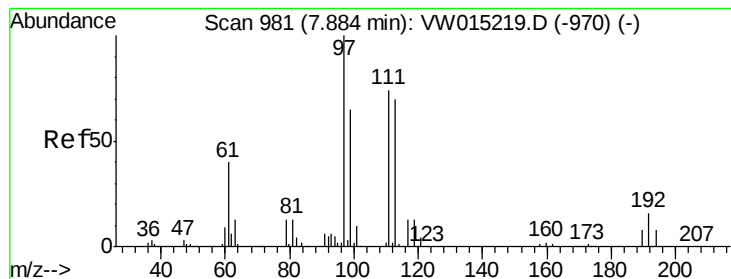
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	39.8
88	15.2	0.0	30.2





#35

Dibromofluoromethane

Concen: 19.583 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

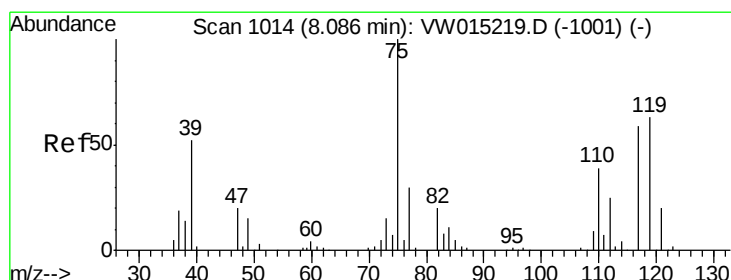
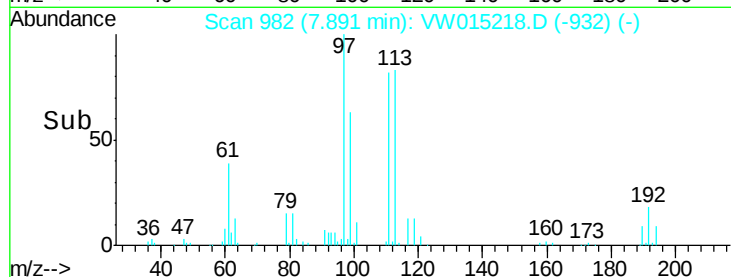
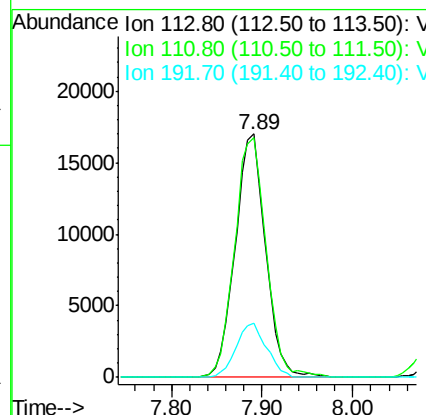
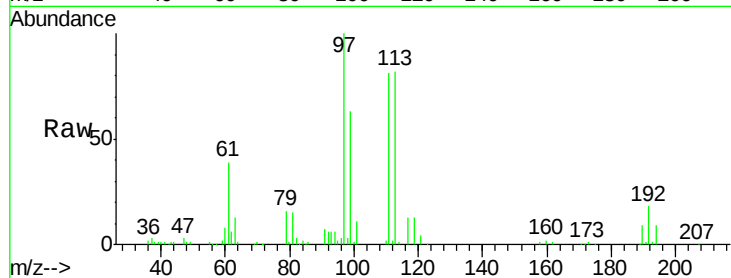
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	39615
Ion Ratio	Lower	Upper	
113	100		
111	102.5	83.0	124.4
192	22.1	15.1	22.7

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#36

1,1-Dichloropropene

Concen: 21.255 ug/l

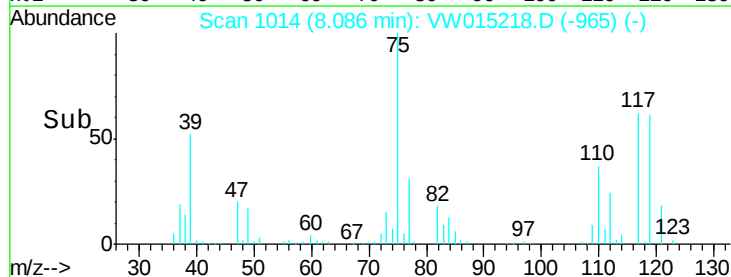
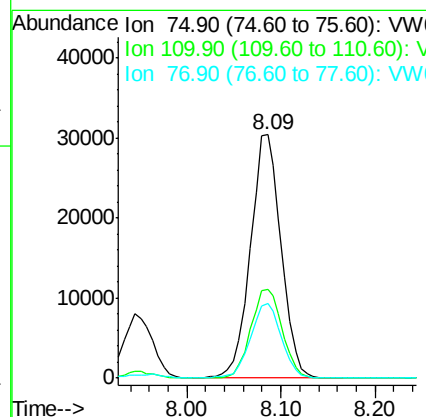
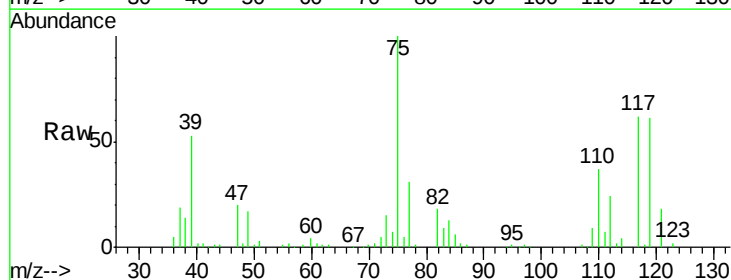
RT: 8.09 min Scan# 1014

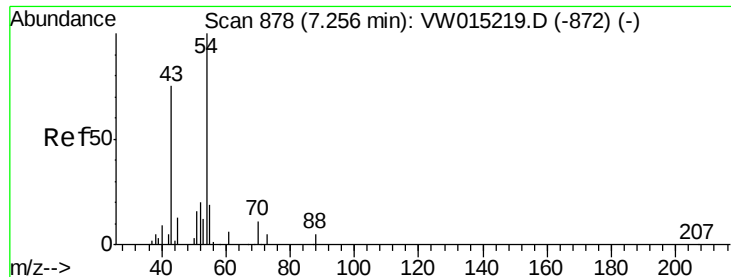
Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Tgt Ion:	75	Resp:	69461
Ion Ratio	Lower	Upper	
75	100		
110	37.3	18.2	54.6
77	31.3	24.5	36.7





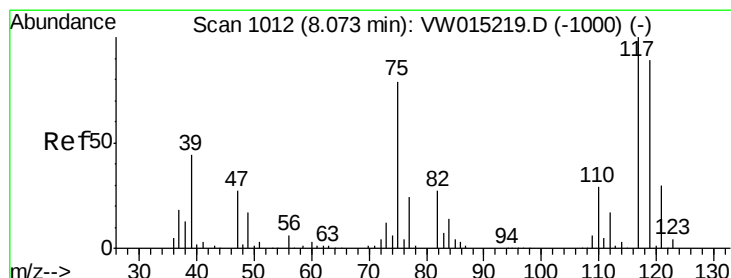
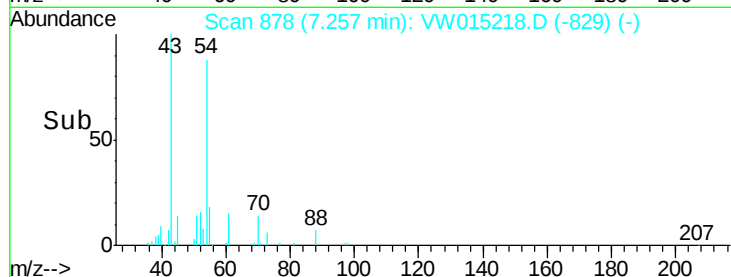
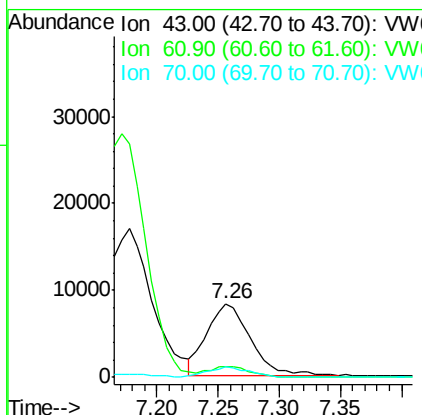
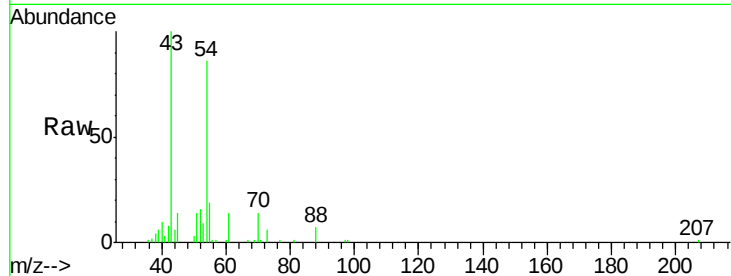
#37
Ethyl Acetate
Concen: 15.046 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.9	17.9
70	14.1	8.8	13.2

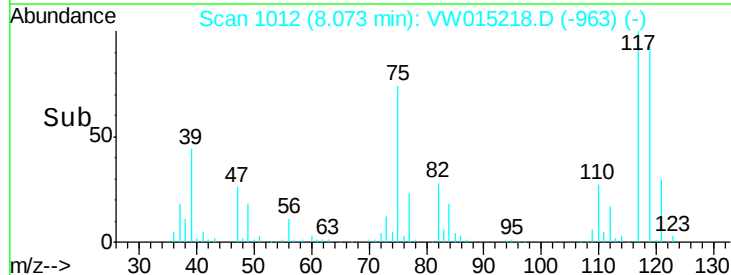
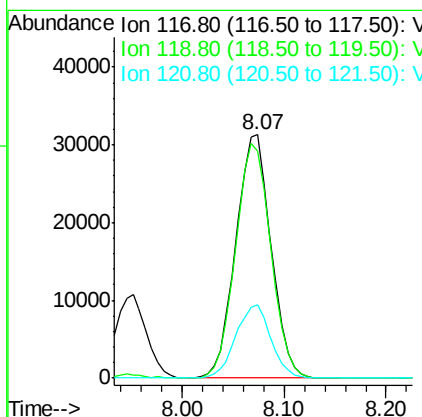
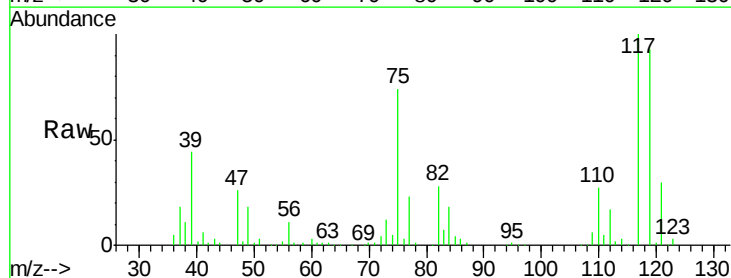
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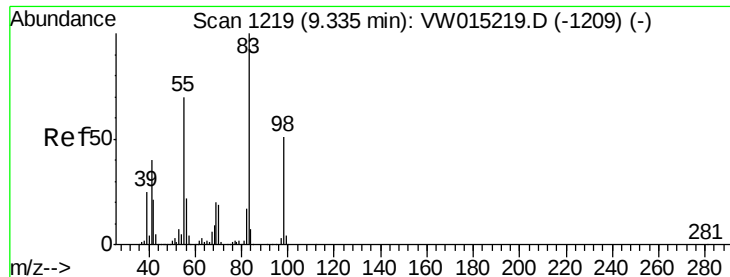
MMDadoda
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#38
Carbon Tetrachloride
Concen: 24.957 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	72.3	108.5
121	30.4	23.7	35.5





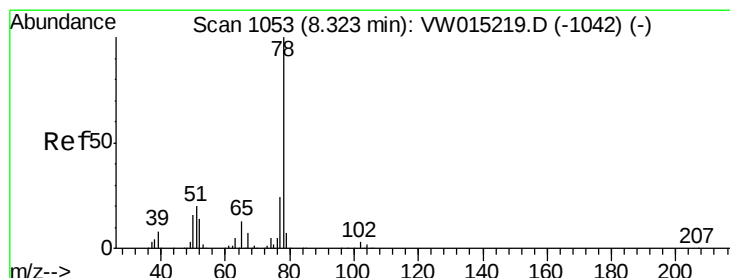
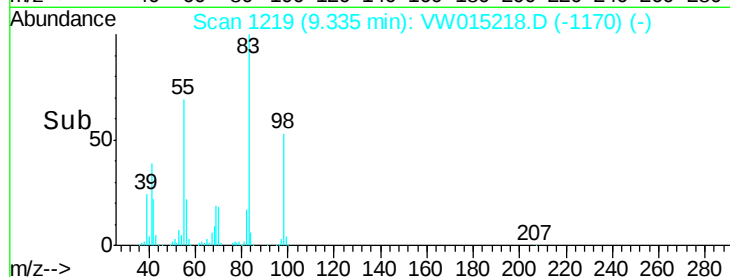
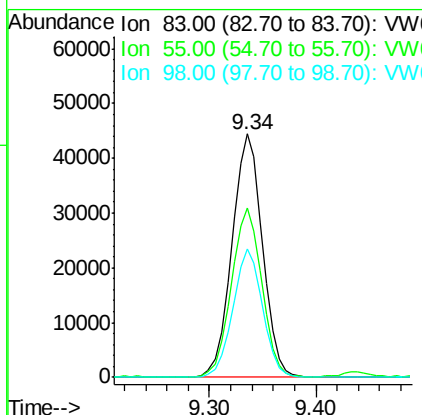
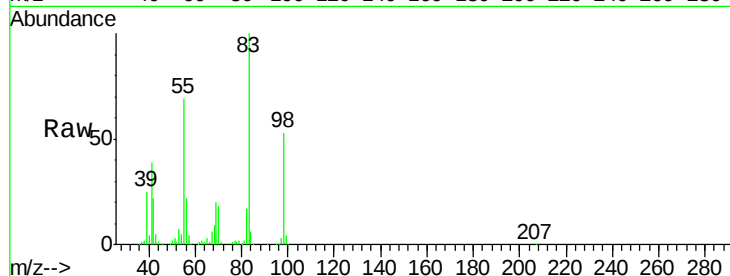
#39
Methvlcvclohexane
Concen: 20.275 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.2	58.1	87.1
98	52.4	40.2	60.4

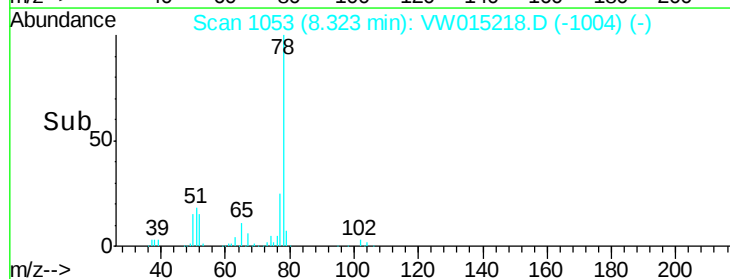
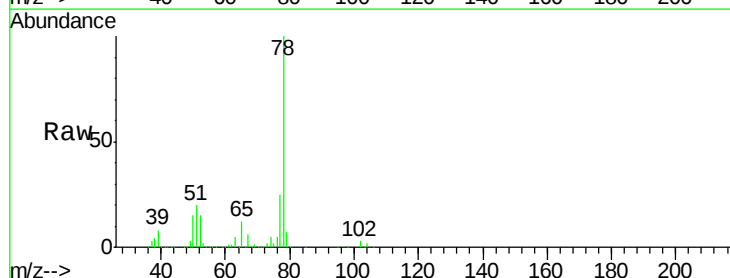
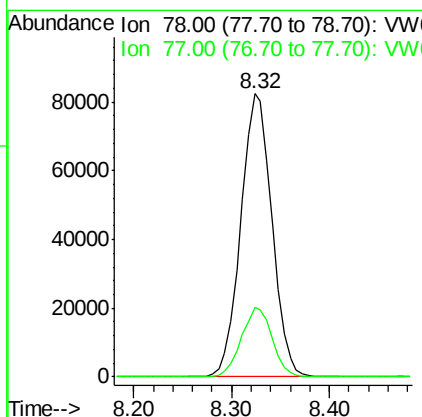
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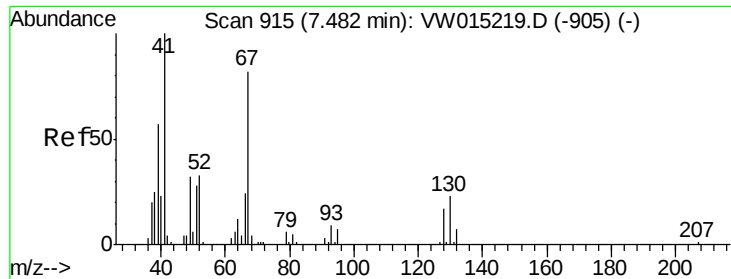
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#40
Benzene
Concen: 19.570 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.2	27.2





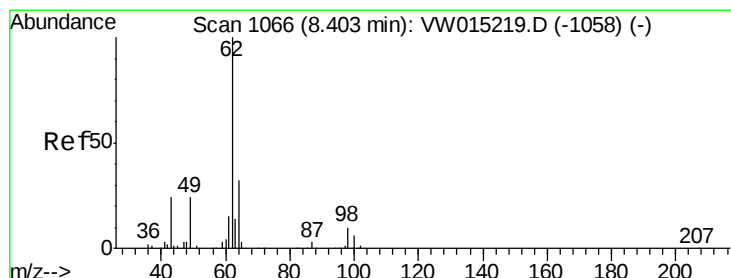
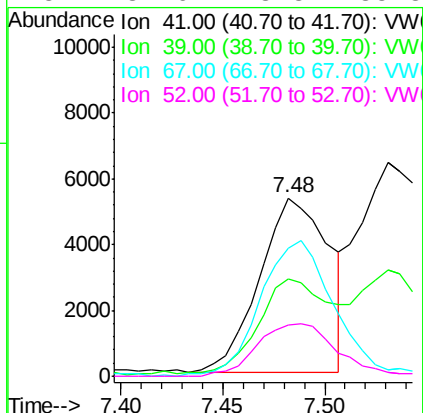
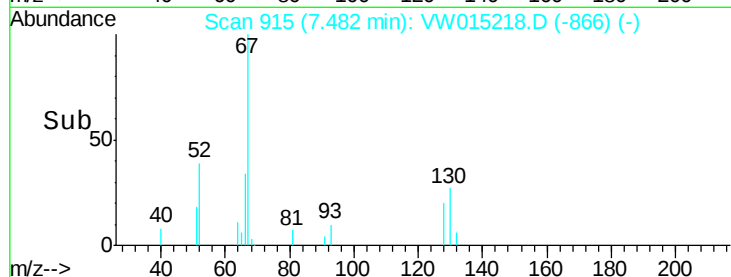
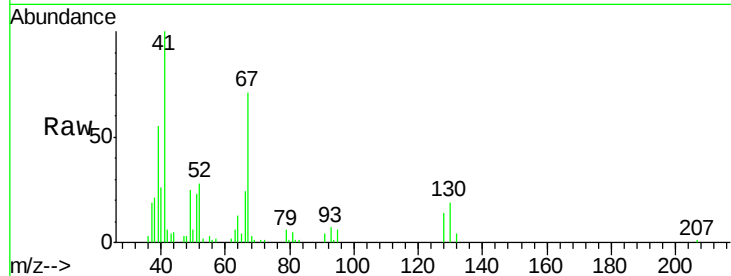
#41
Methacrylonitrile
Concen: 15.516 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		12487		
39	54.7	41.9	62.9		
67	84.6	60.6	91.0		
52	34.6	23.8	35.8		

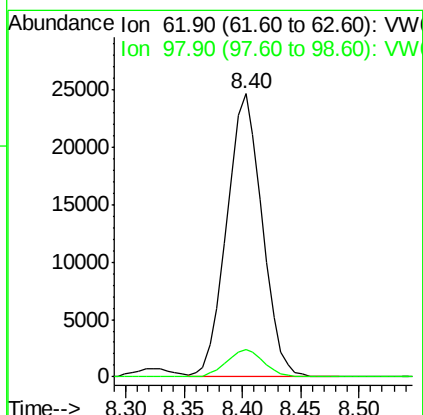
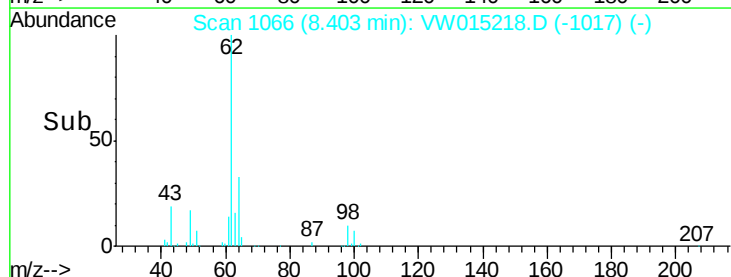
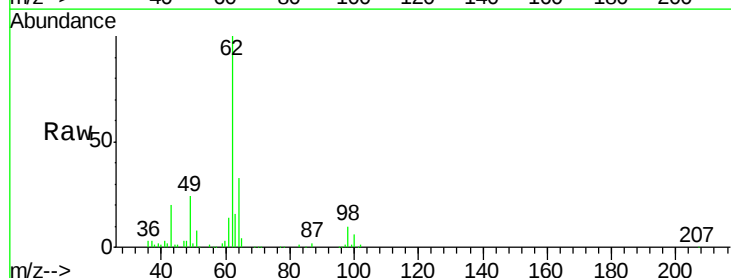
Manual Integrations
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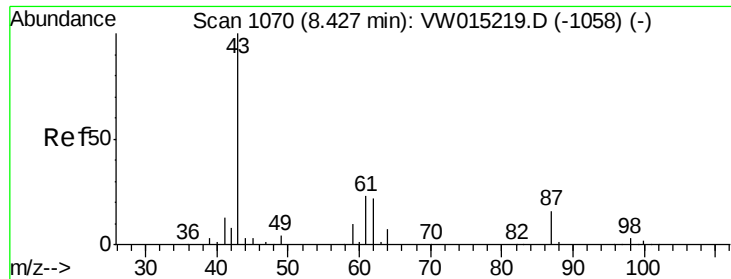
MMDadoda
4/21/2020 10:01:15 AM



#42
1,2-Dichloroethane
Concen: 22.202 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		52290		
98	10.0	0.0	20.4		





#43

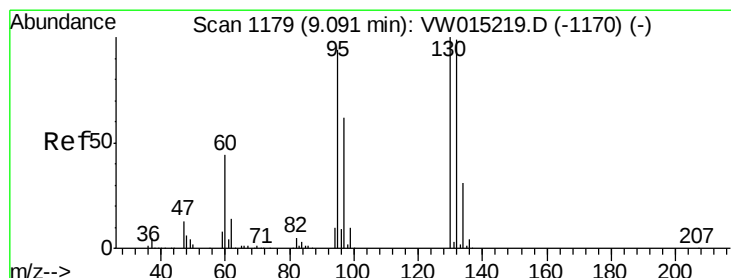
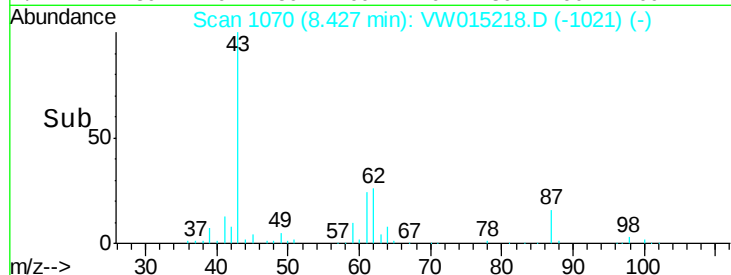
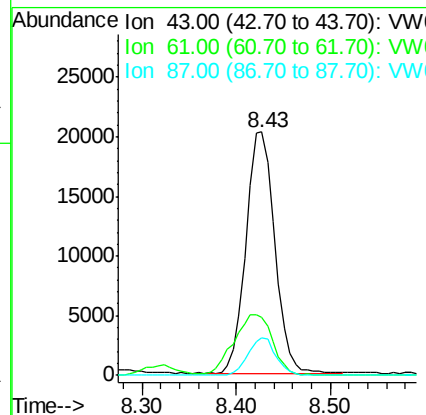
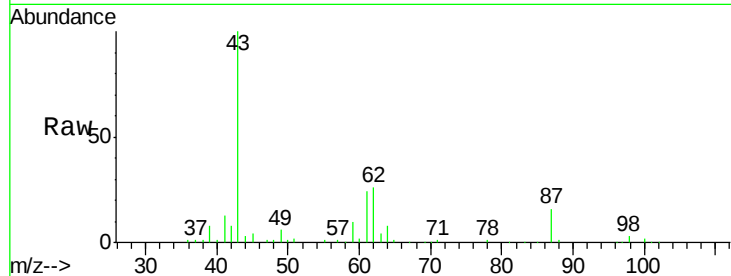
Isopropyl Acetate
 Concen: 16.362 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.7	24.8	37.2
87	15.2	11.4	17.2

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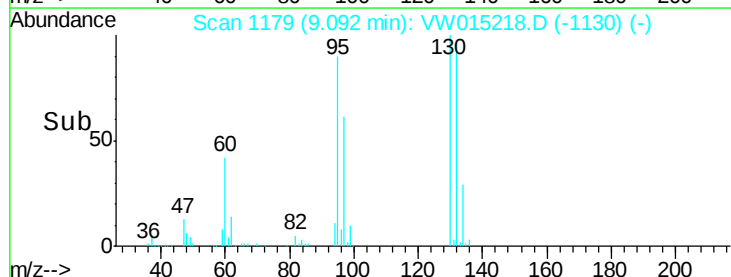
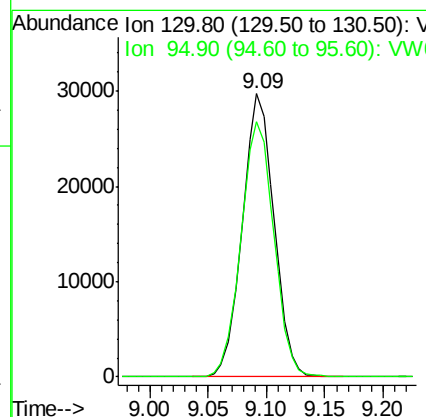
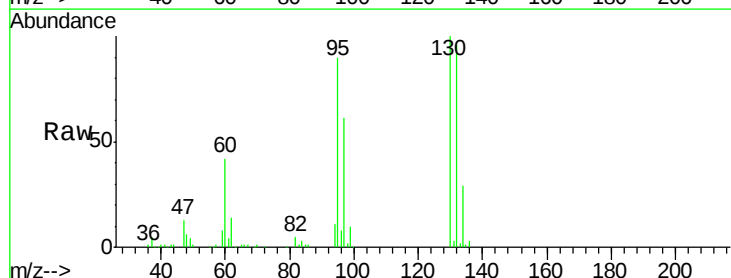
MMDadoda
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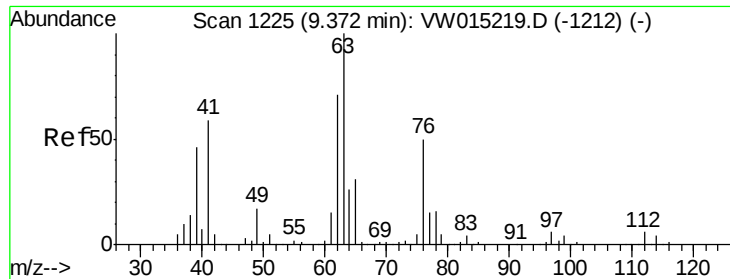


#44

Trichloroethene
 Concen: 23.173 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.1	0.0	196.4





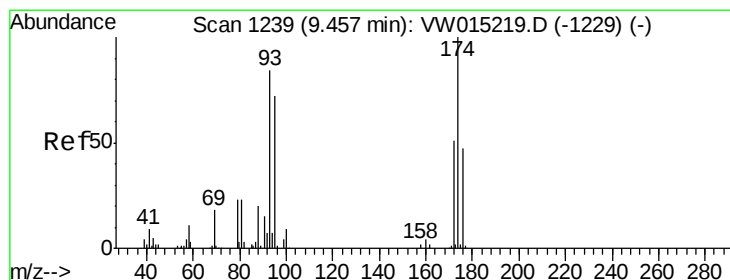
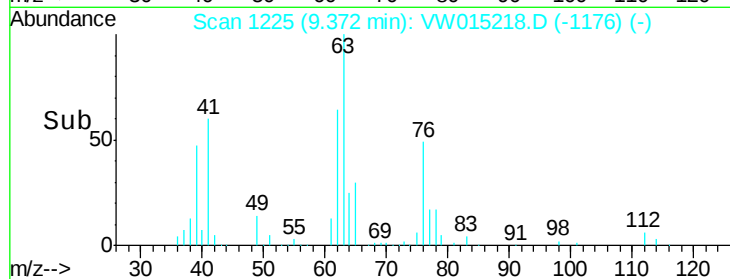
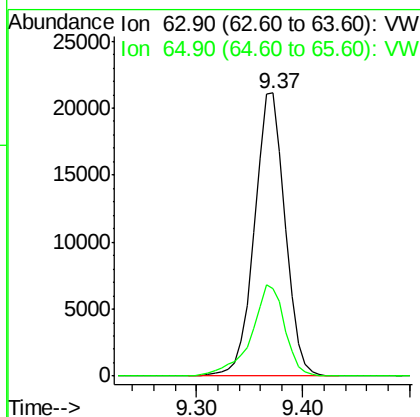
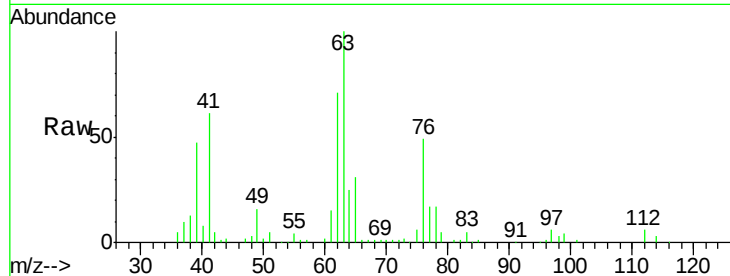
#45
 1,2-Dichloropropane
 Concen: 18.693 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 42678
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.5 38.3

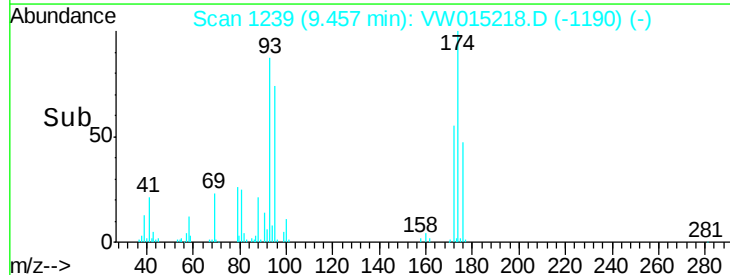
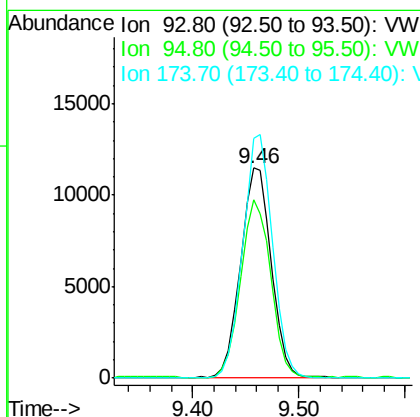
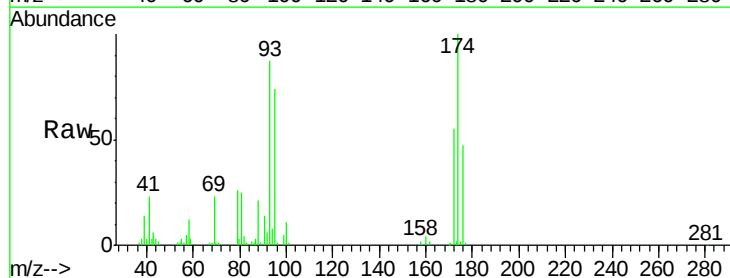
Manual Integrations
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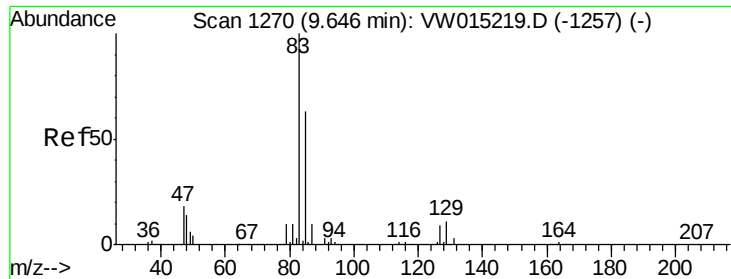
MMDadoda
 4/21/2020 10:01:15 AM



#46
 Dibromomethane
 Concen: 20.479 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion: 93 Resp: 23367
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.5 101.3
 174 112.1 74.1 111.1#





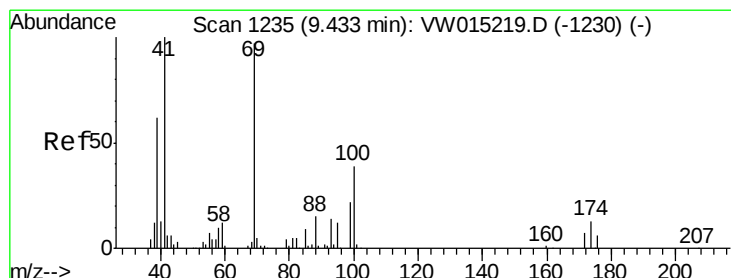
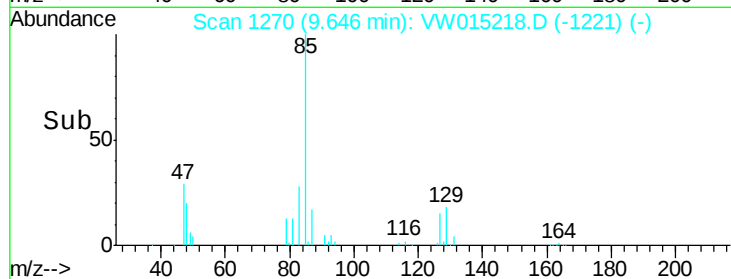
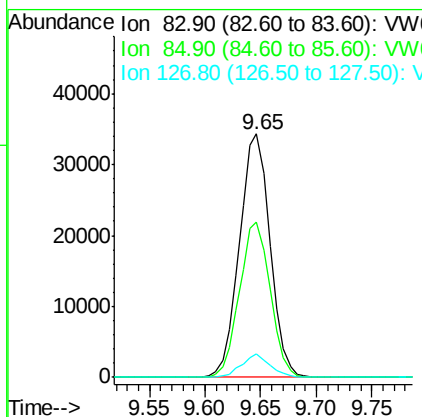
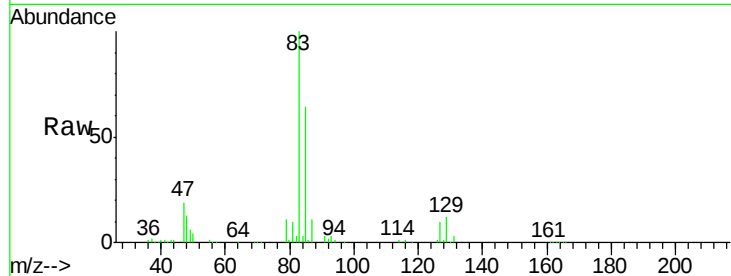
#47
Bromodichloromethane
Concen: 22.218 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	65730		
85	63.8		50.6	76.0
127	9.6		6.7	10.1

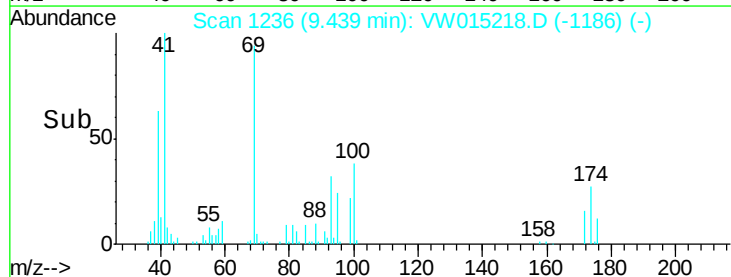
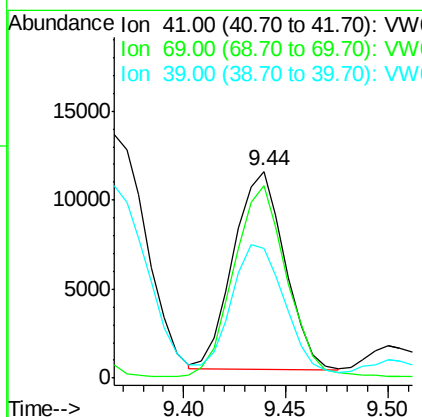
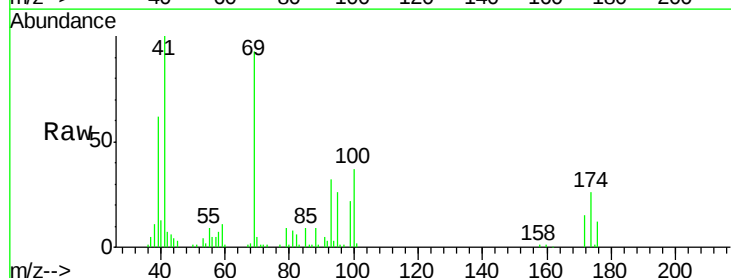
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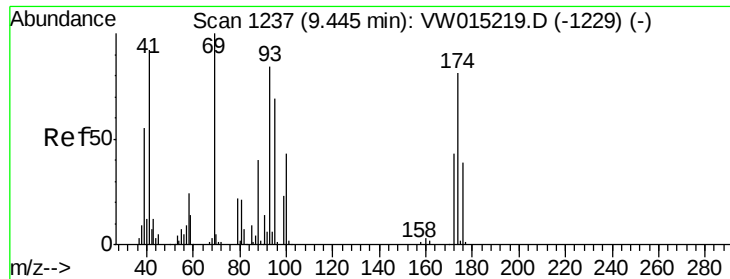
MMDadoda
4/21/2020 10:01:15 AM



#48
Methyl methacrylate
Concen: 15.594 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	19387		
69	100.8		70.6	105.8
39	66.3		42.6	64.0#





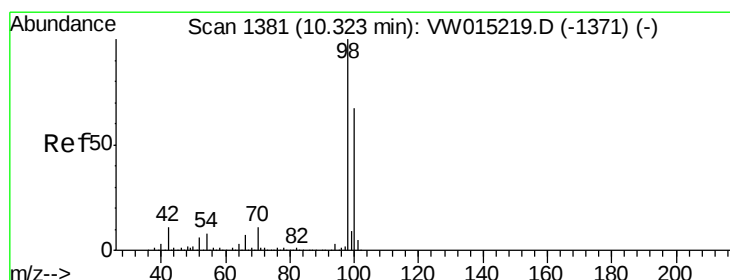
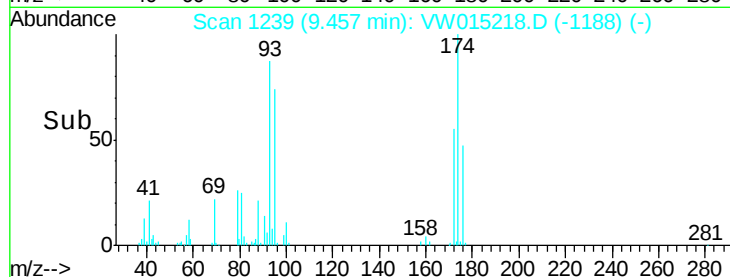
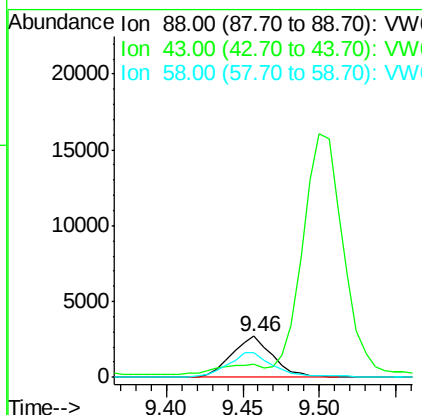
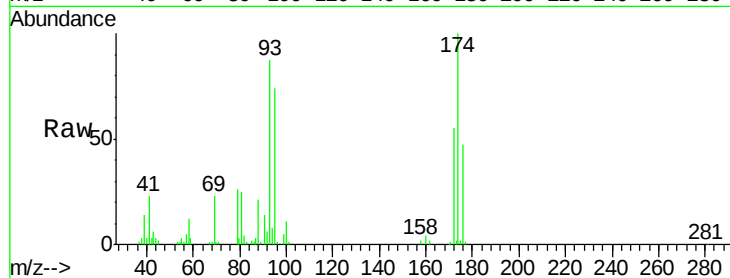
#49
1,4-Dioxane
Concen: 277.206 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	5018
Ion	Ratio	Lower	Upper
88	100		
43	29.3	23.5	35.3
58	69.7	55.4	83.2

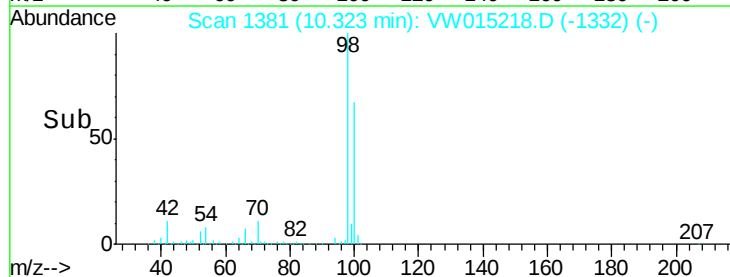
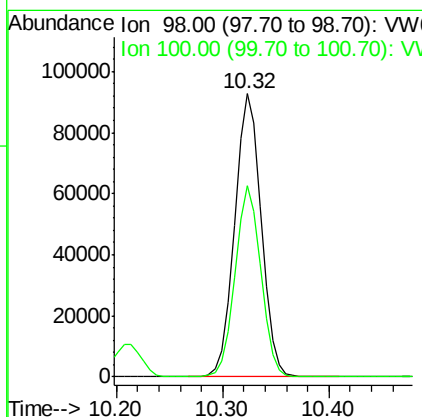
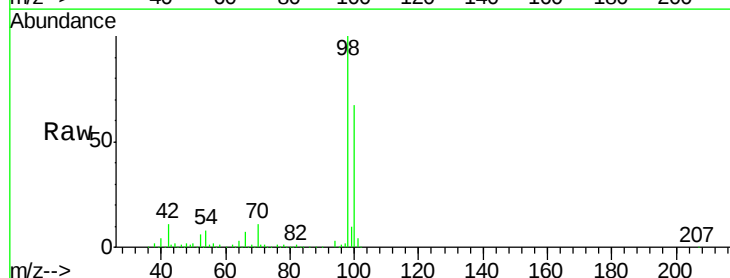
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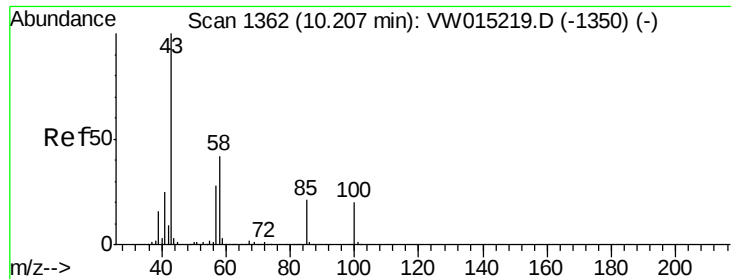
MMDadoda
4/21/2020 10:01:15 AM



#50
Toluene-d8
Concen: 19.736 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	98	Resp	162187
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 69.207 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 97291

Ion Ratio Lower Upper

43 100

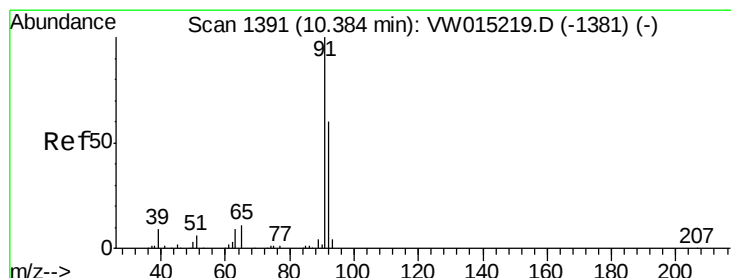
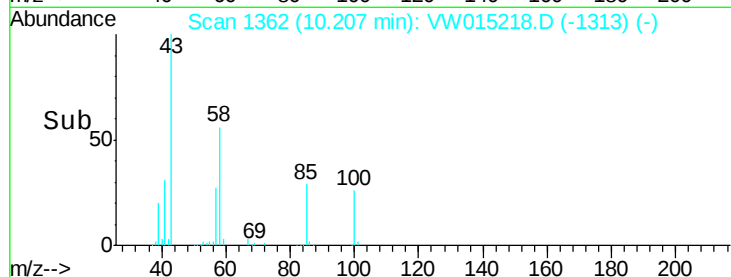
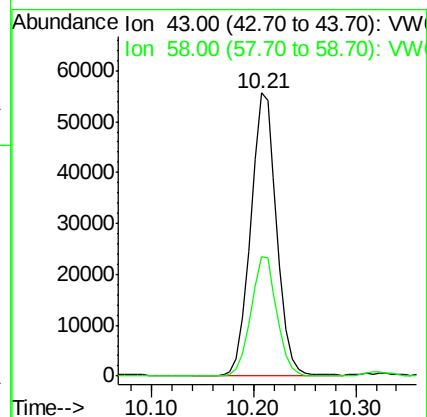
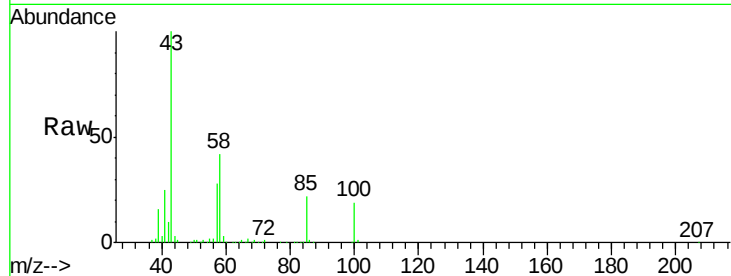
58 42.6 32.3 48.5

Manual Integrations

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MMDadoda

4/21/2020 10:01:15 AM



#52

Toluene

Concen: 20.712 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015218.D

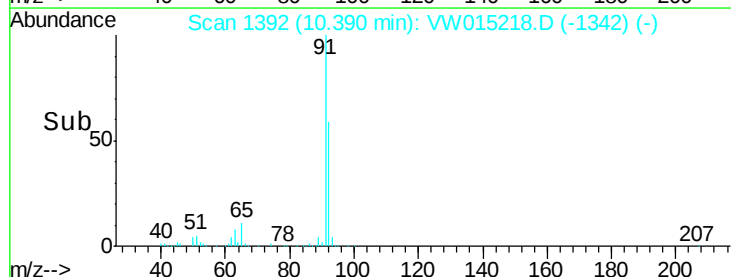
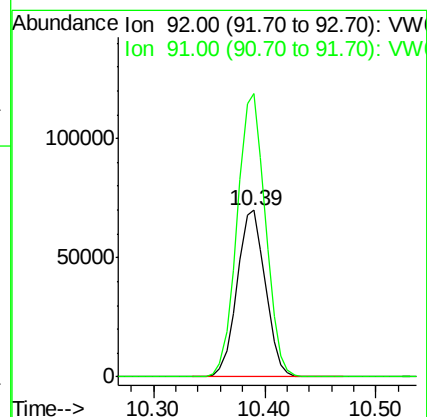
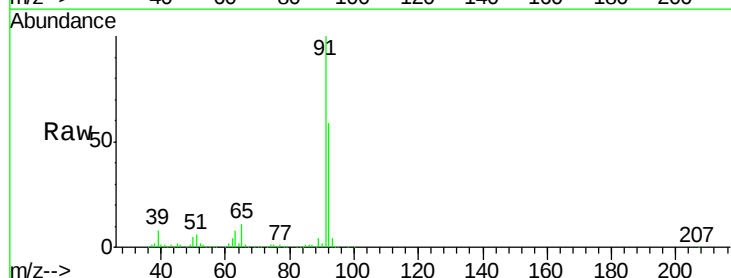
Acq: 20 Apr 2020 12:55

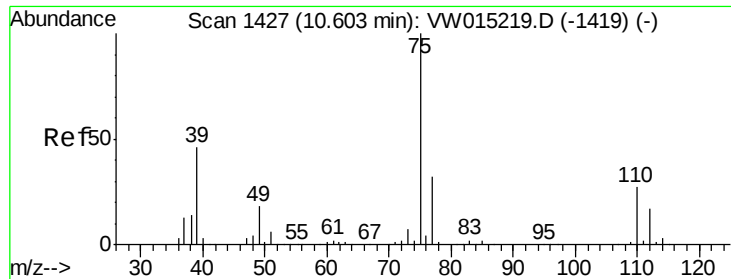
Tgt Ion: 92 Resp: 123026

Ion Ratio Lower Upper

92 100

91 170.3 137.1 205.7





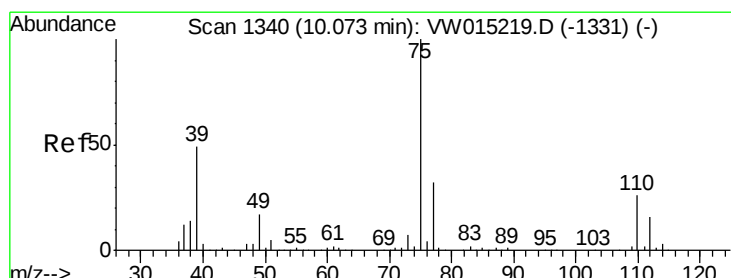
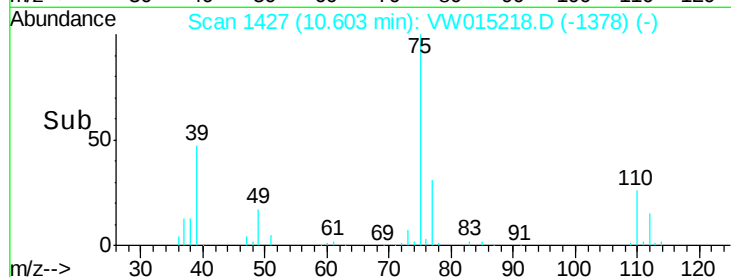
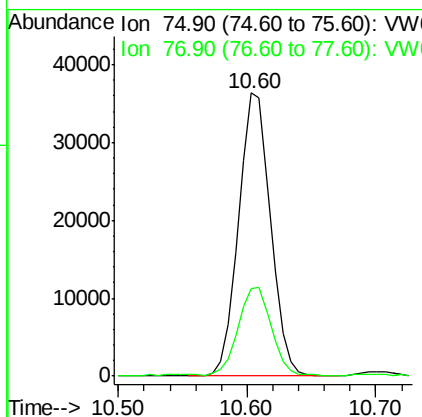
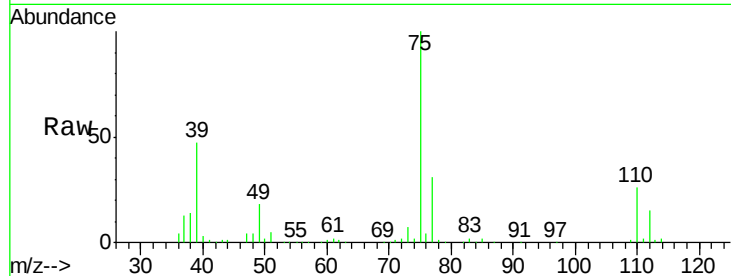
#53
 t-1,3-Dichloropropene
 Concen: 20.746 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 62441
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.5 38.3

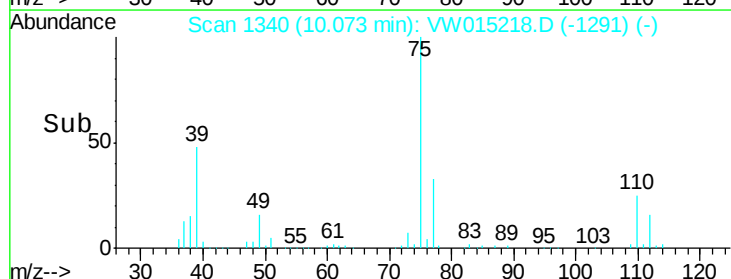
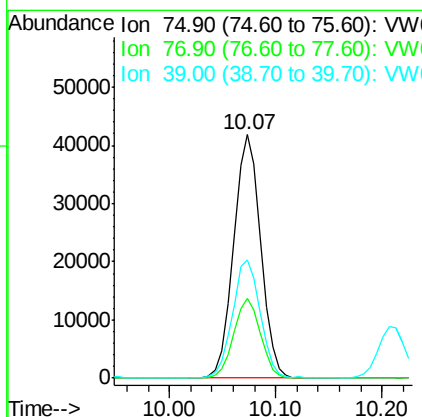
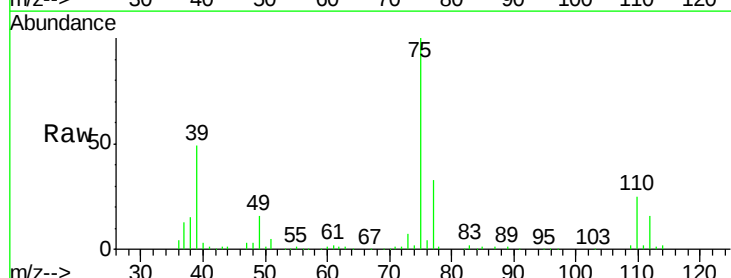
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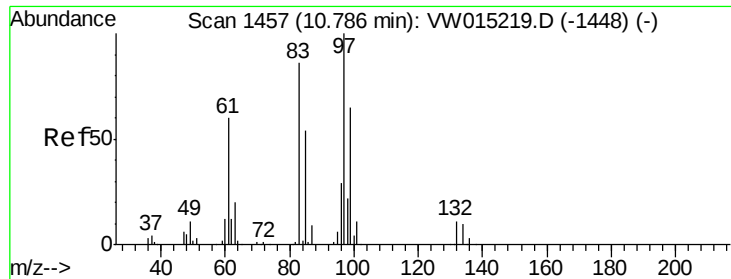
MMDadoda
 4/21/2020 10:01:15 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.546 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion: 75 Resp: 74605
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.6 39.8
 39 48.7 37.8 56.6





#55

1,1,2-Trichloroethane

Concen: 20.439 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

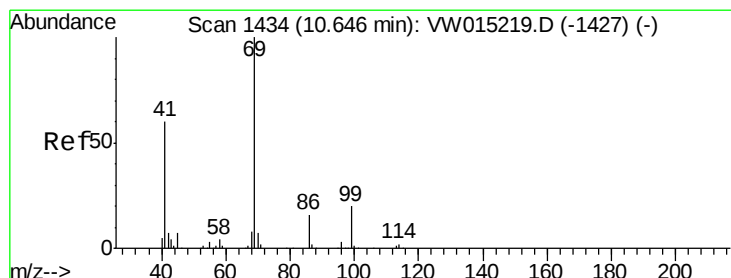
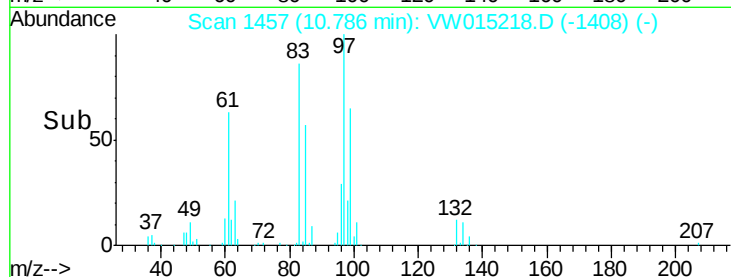
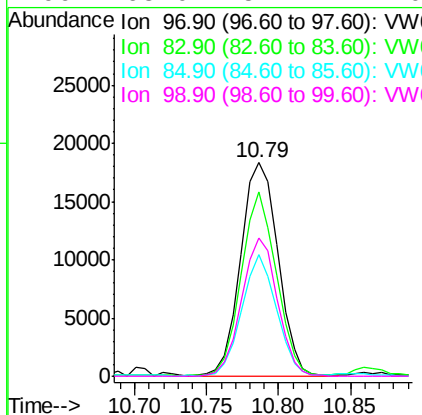
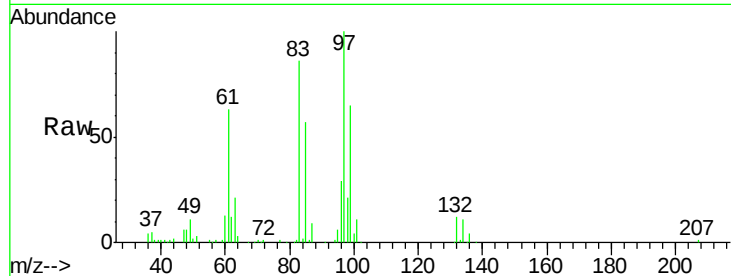
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	33045
Ion	Ratio	Lower	Upper
97	100		
83	86.0	67.3	100.9
85	56.6	43.8	65.8
99	65.0	51.4	77.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.342 ug/l

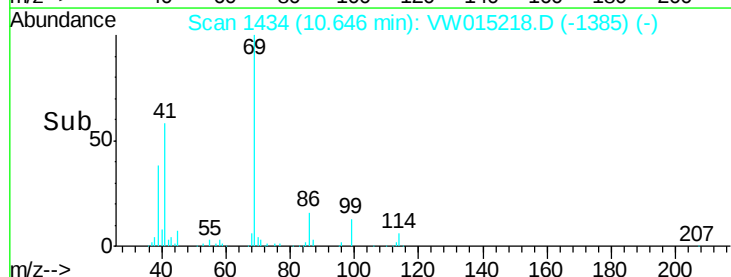
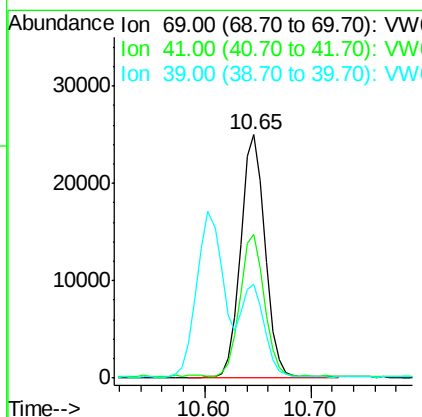
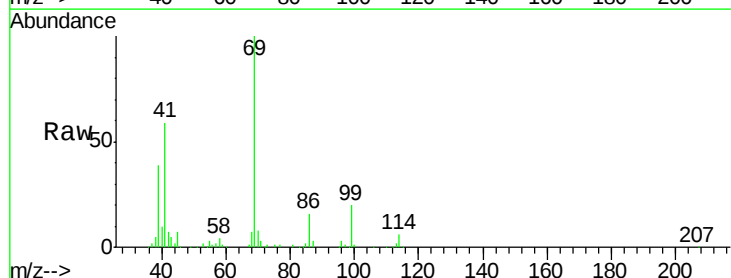
RT: 10.65 min Scan# 1434

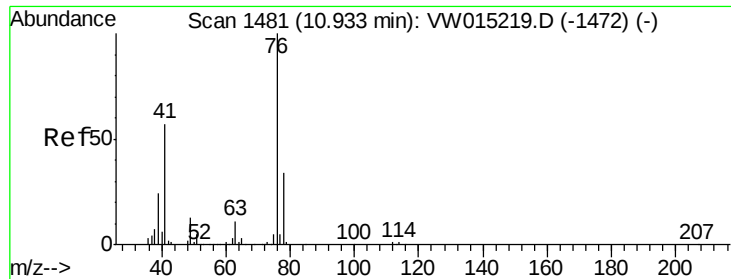
Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Tgt Ion:	69	Resp:	40864
Ion	Ratio	Lower	Upper
69	100		
41	58.1	51.3	76.9
39	35.3	24.6	37.0





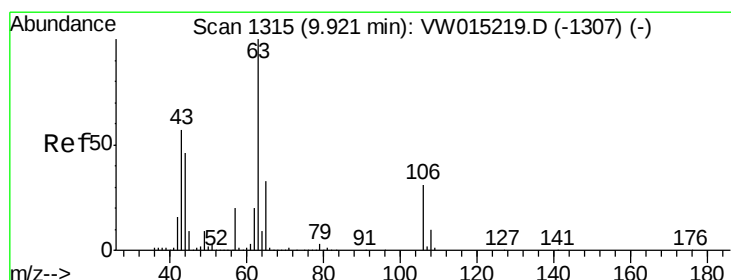
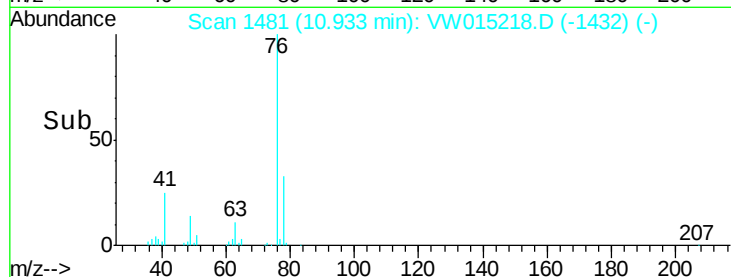
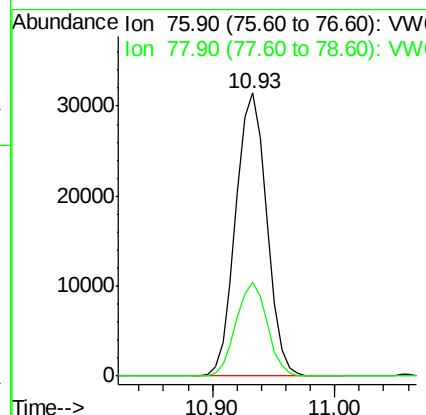
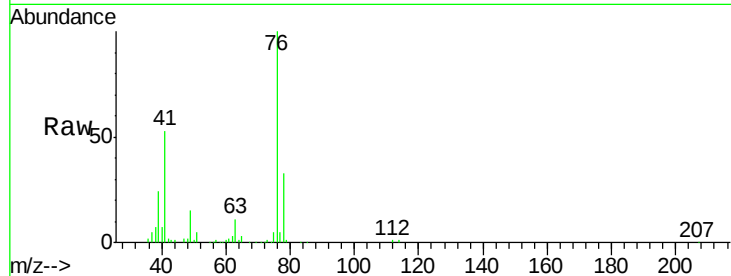
#57
 1,3-Dichloropropane
 Concen: 19.401 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion: 76 Resp: 55130
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.2 39.4

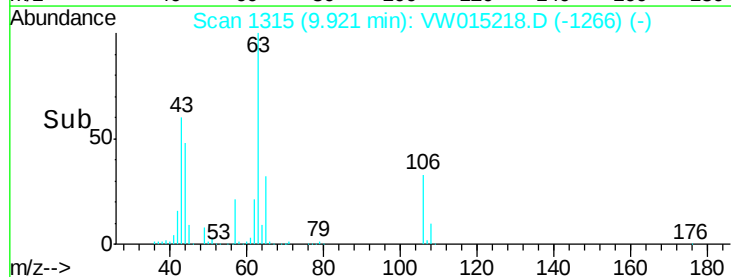
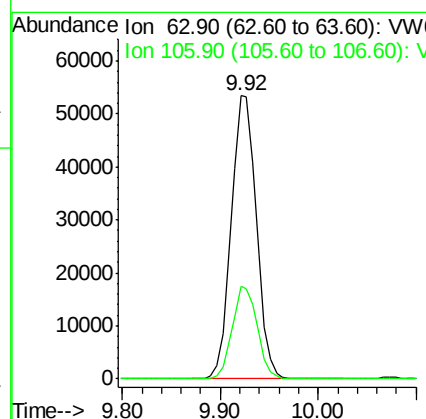
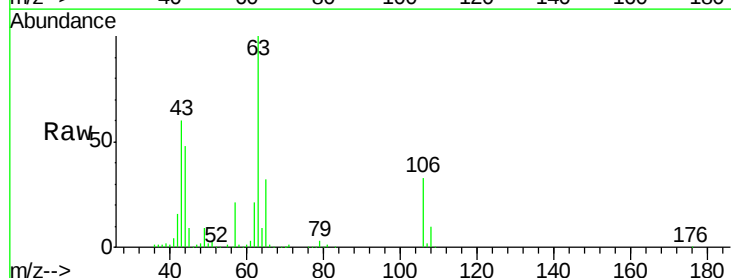
Manual Integrations
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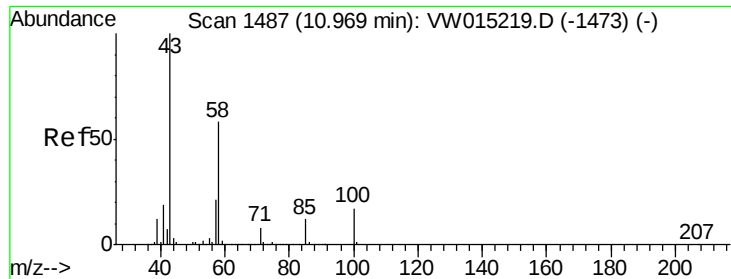
MMDadoda
 4/21/2020 10:01:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.456 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion: 63 Resp: 95328
 Ion Ratio Lower Upper
 63 100
 106 32.3 22.6 33.8





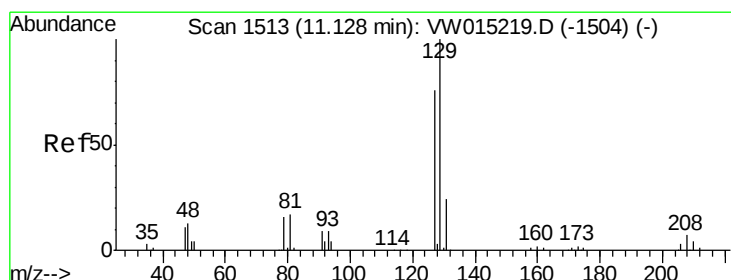
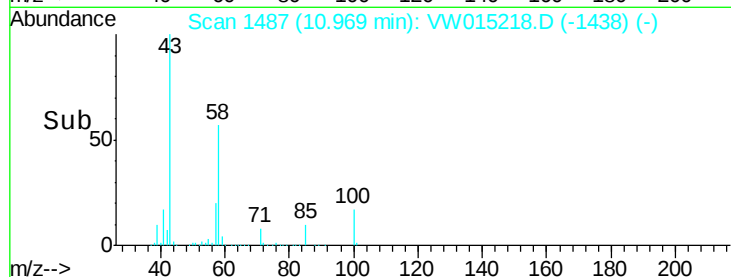
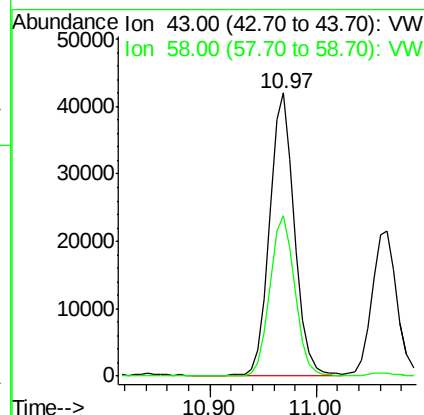
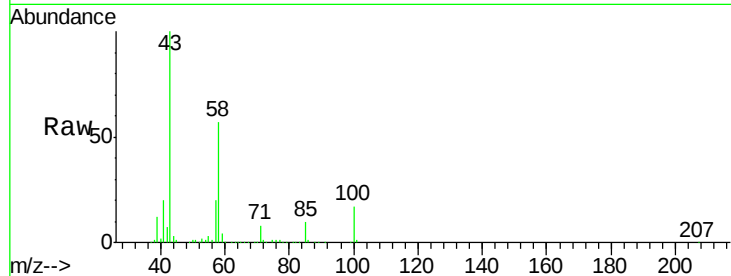
#59
2-Hexanone
Concen: 77.090 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	68015
Ion Ratio	100	Lower	Upper
43	100		
58	58.1	28.1	84.3

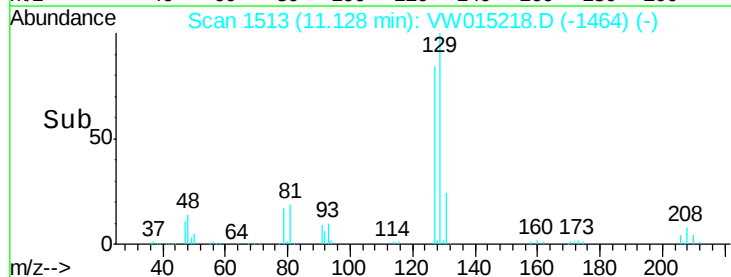
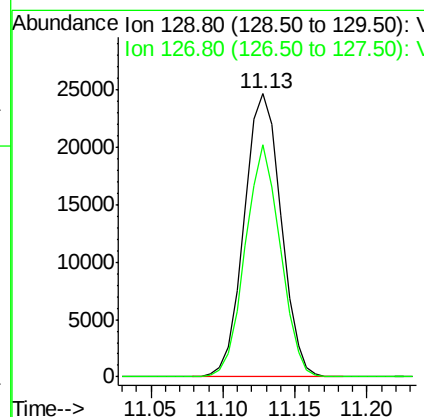
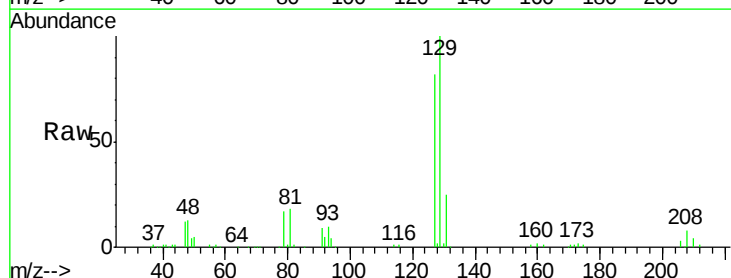
Manual Integrations
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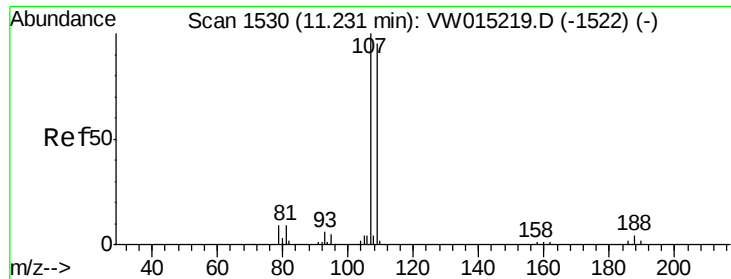
MMDadoda
4/21/2020 10:01:15 AM



#60
Dibromochloromethane
Concen: 22.745 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	129	Resp	43876
Ion Ratio	100	Lower	Upper
129	100		
127	77.5	38.3	114.8





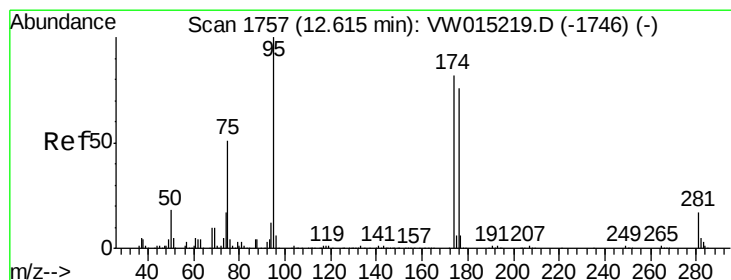
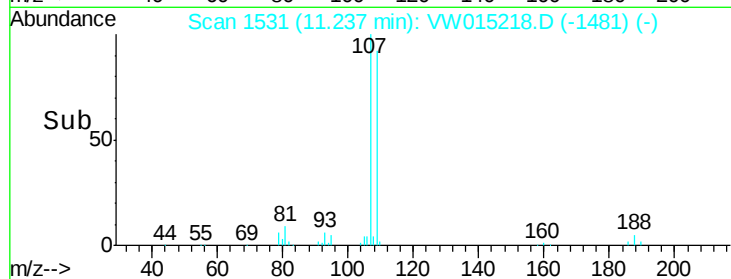
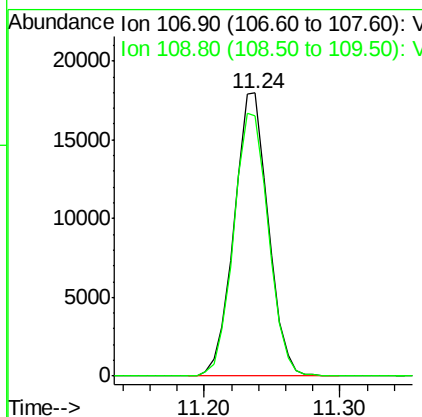
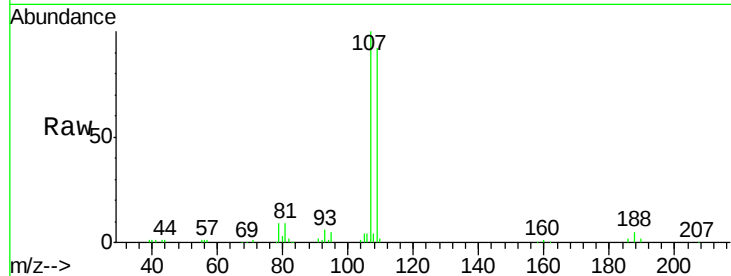
#61
 1,2-Dibromoethane
 Concen: 20.197 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.3	111.5

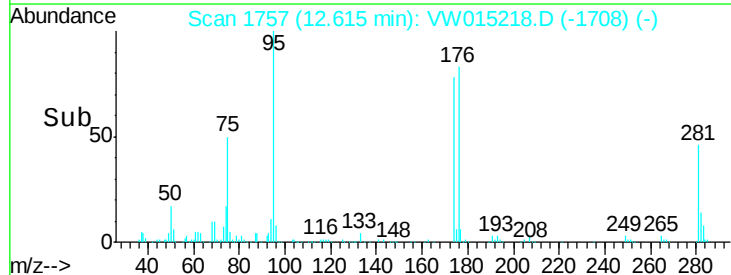
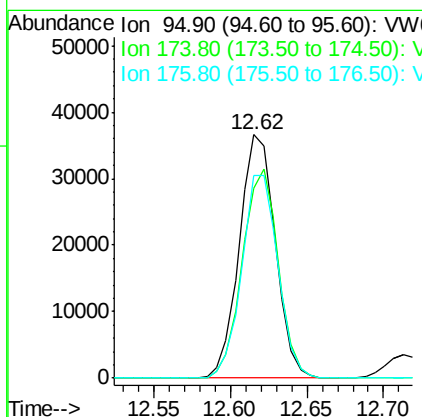
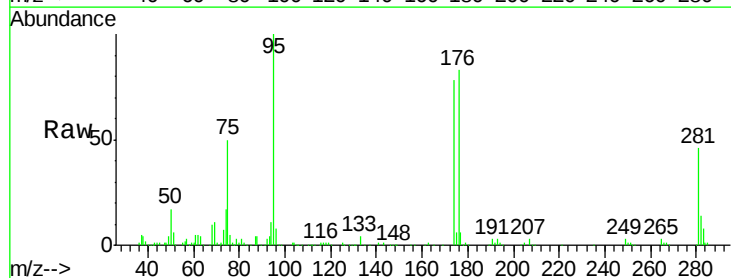
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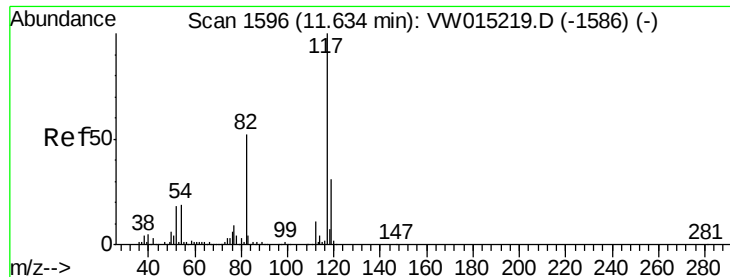
MMDadoda
 4/21/2020 10:01:15 AM



#62
 4-Bromofluorobenzene
 Concen: 20.804 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	144.4
176	83.8	0.0	140.6





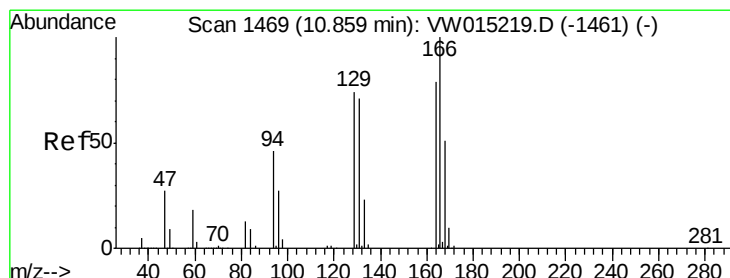
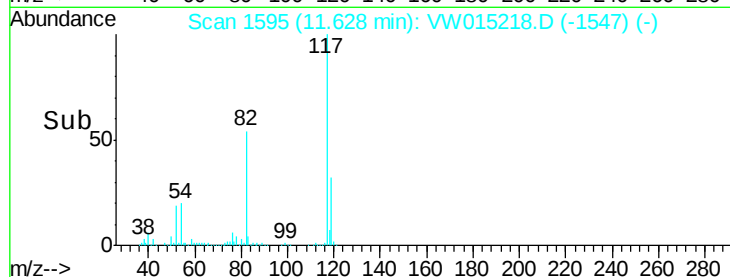
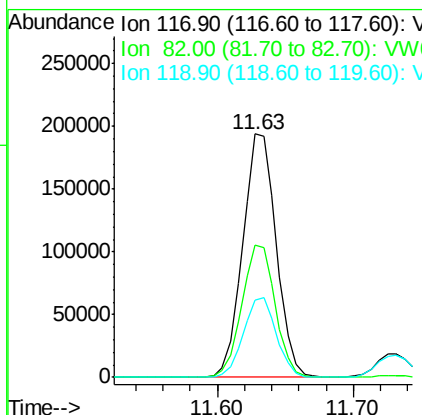
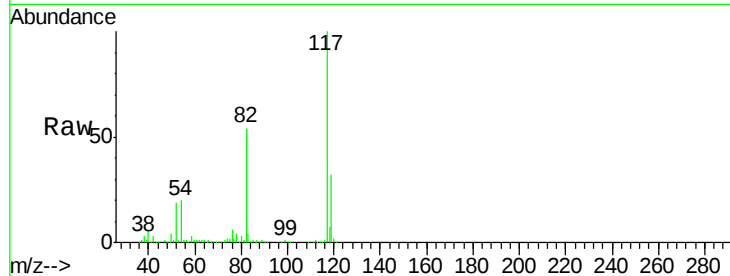
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	333521		
82	54.3		44.1	66.1
119	31.5		24.9	37.3

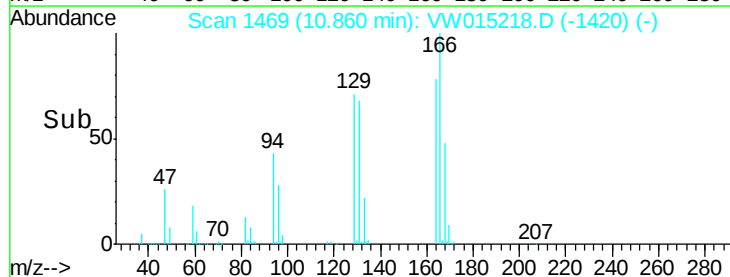
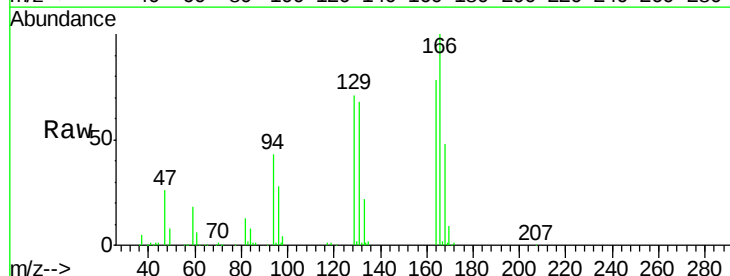
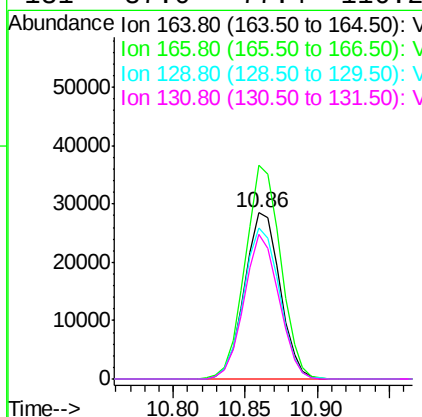
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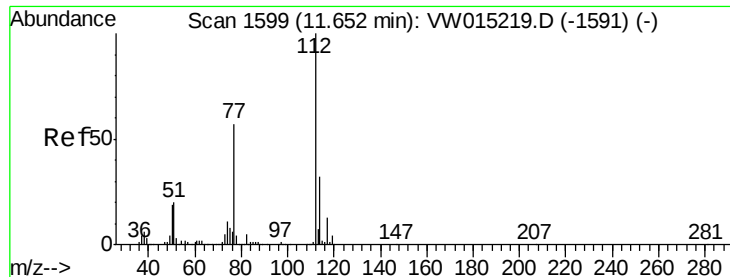
MMDadoda
4/21/2020 10:01:15 AM



#64
Tetrachloroethene
Concen: 24.818 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	48621		
166	128.8		102.6	154.0
129	90.9		80.2	120.2
131	87.0		77.4	116.2





#65

Chlorobenzene

Concen: 20.967 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 131578

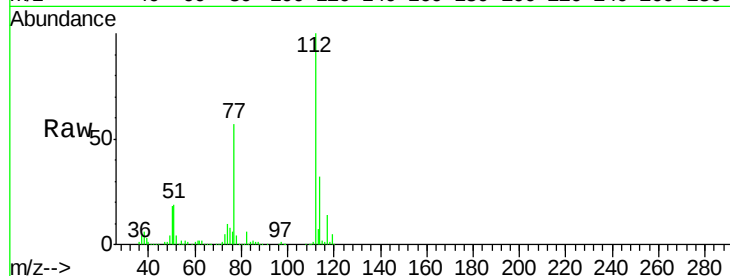
Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.6

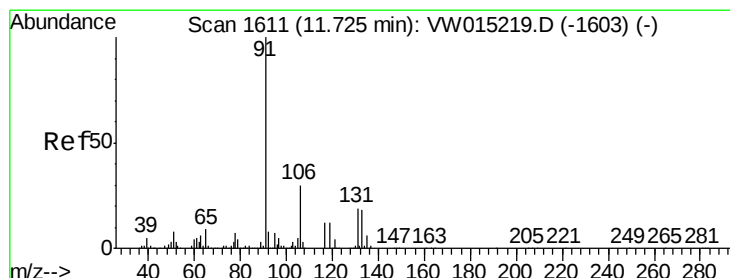
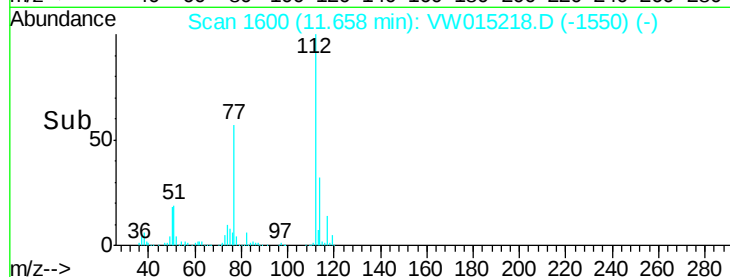
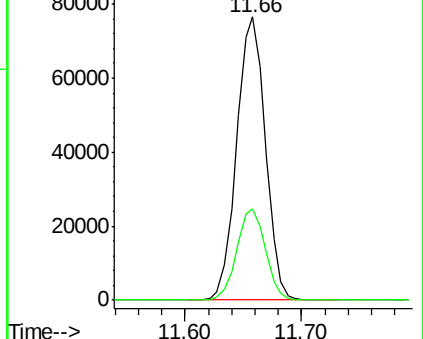
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.945 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

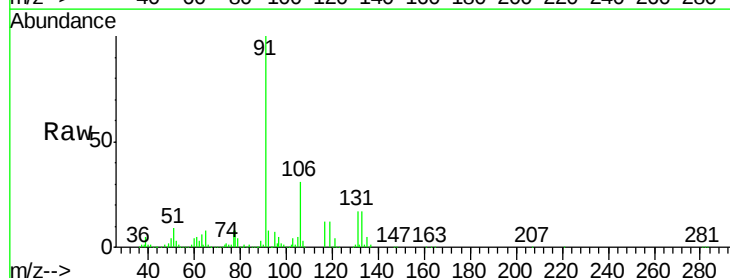
Tgt Ion:131 Resp: 47600

Ion Ratio Lower Upper

131 100

133 95.3 47.7 143.1

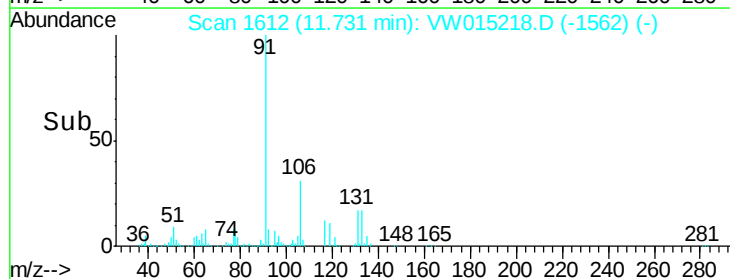
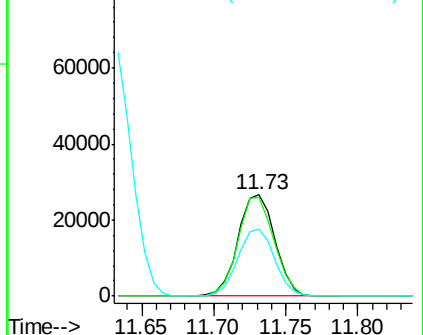
119 65.7 34.0 101.8

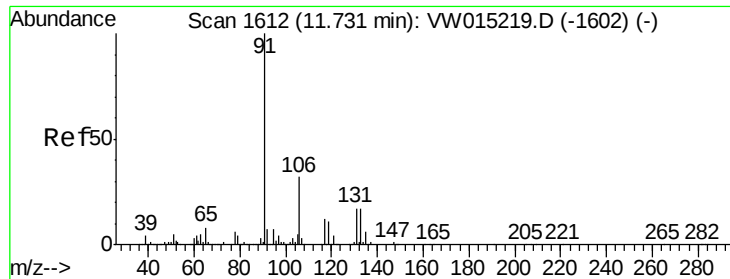


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





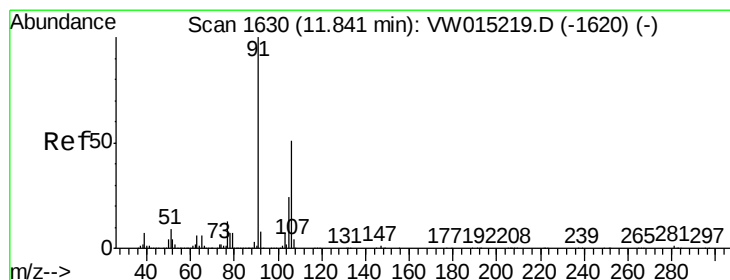
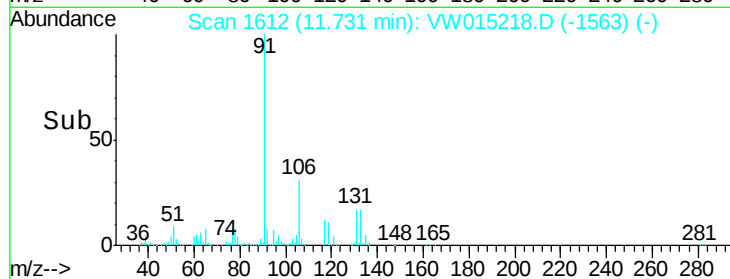
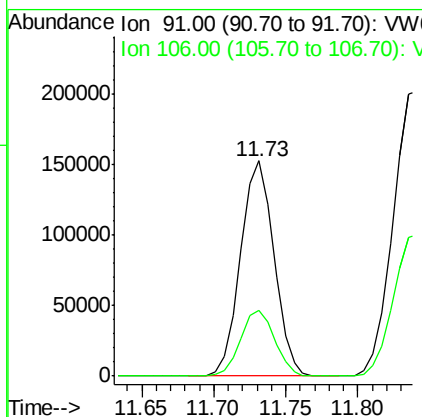
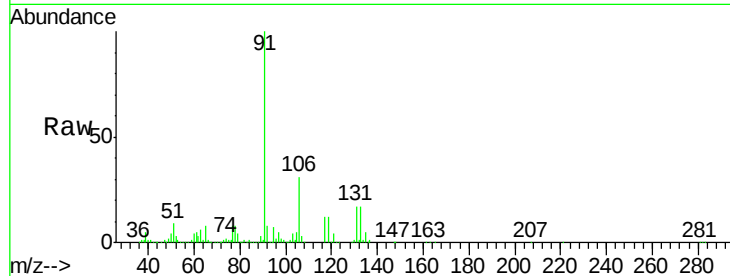
#67
Ethyl Benzene
Concen: 20.842 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.6	25.7	38.5

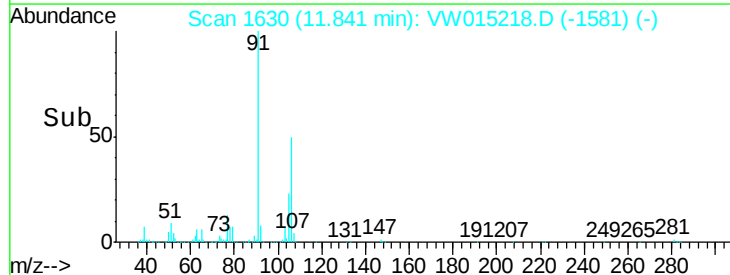
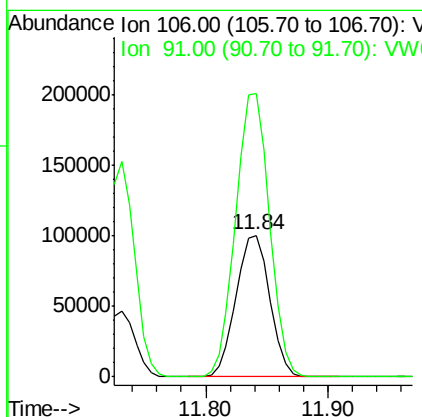
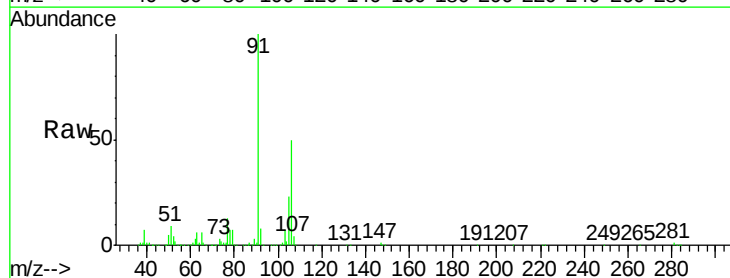
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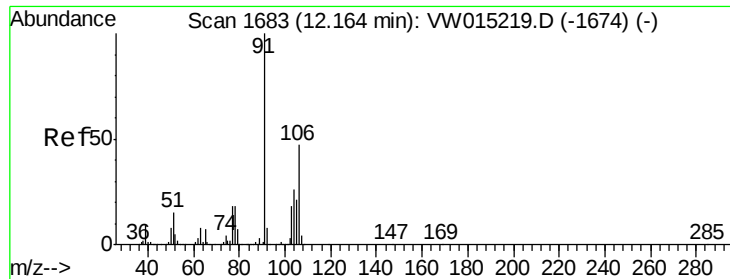
MMDadoda
4/21/2020 10:01:15 AM



#68
m/p-Xylenes
Concen: 42.993 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.8	160.0	240.0





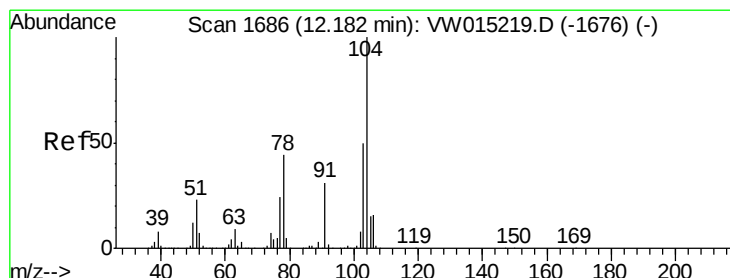
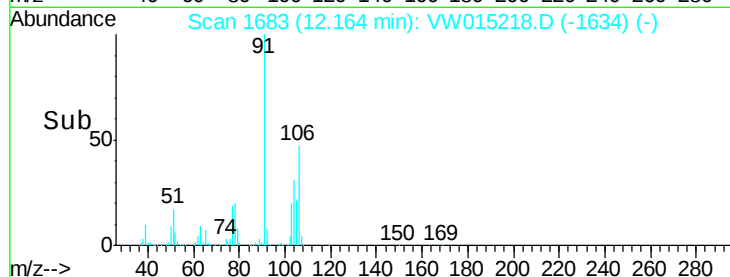
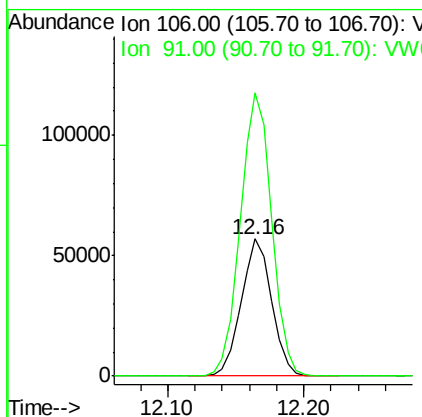
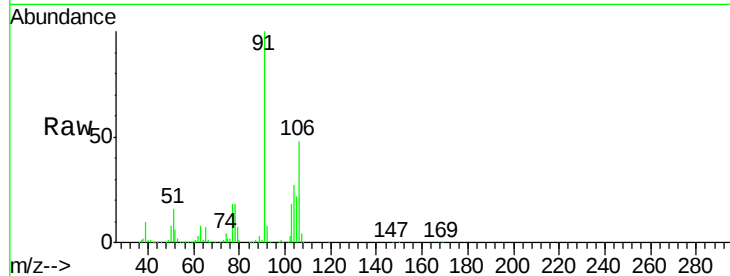
#69
o-Xylene
Concen: 21.033 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 88635
Ion Ratio Lower Upper
106 100
91 213.2 105.7 317.1

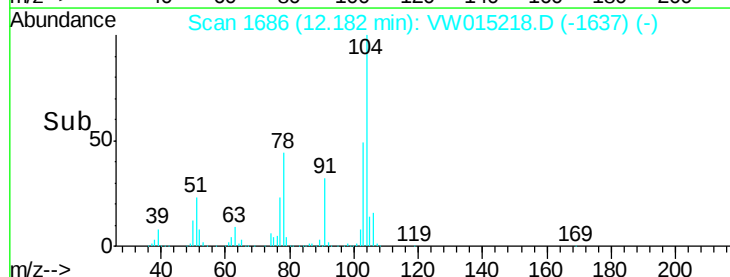
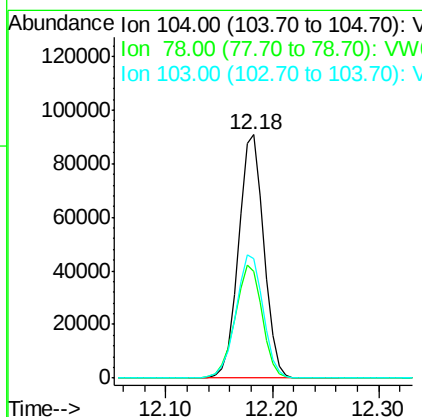
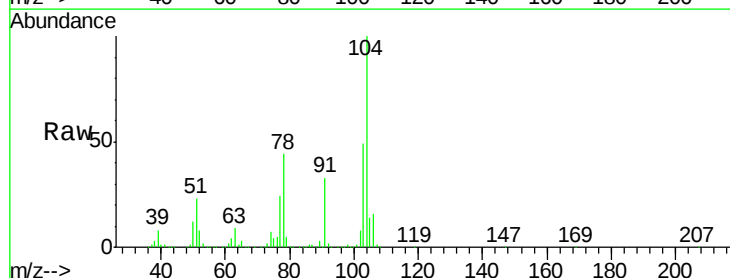
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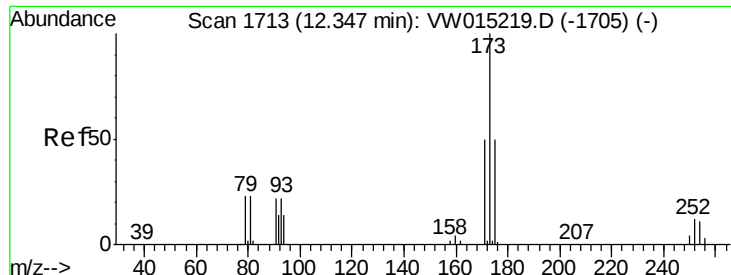
MMDadoda
4/21/2020 10:01:15 AM



#70
Styrene
Concen: 21.255 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion:104 Resp: 151313
Ion Ratio Lower Upper
104 100
78 49.9 39.8 59.6
103 54.6 43.8 65.6





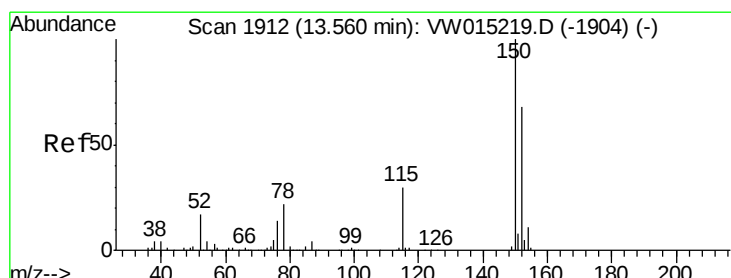
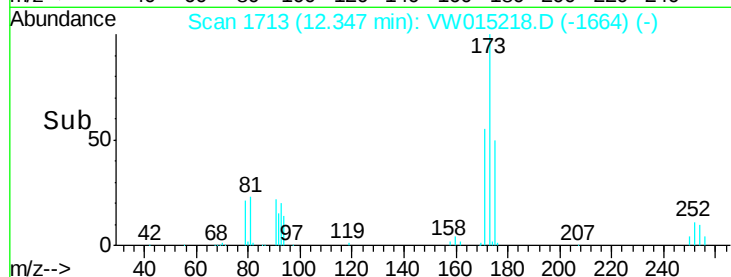
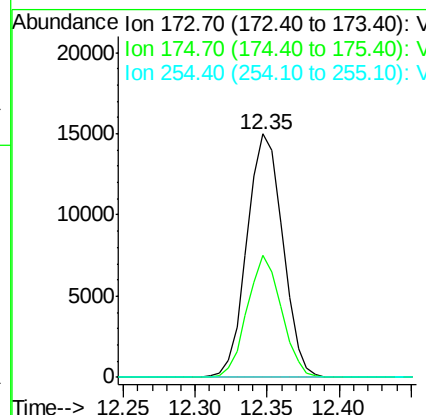
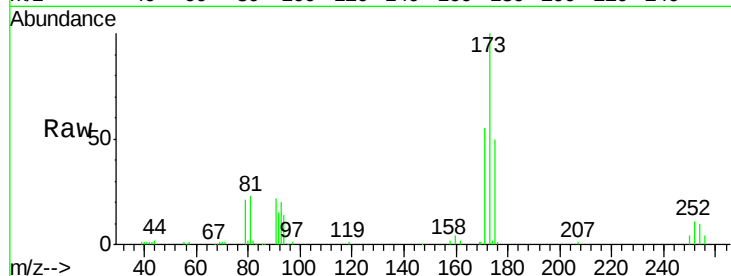
#71
Bromoform
Concen: 23.939 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	25.1	75.4
254	0.0	0.1	0.1#

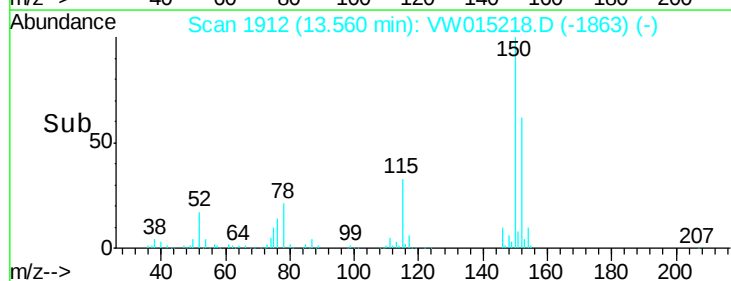
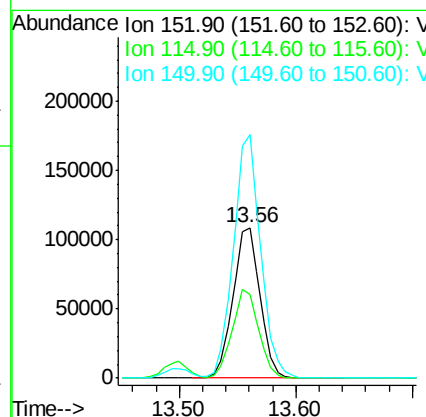
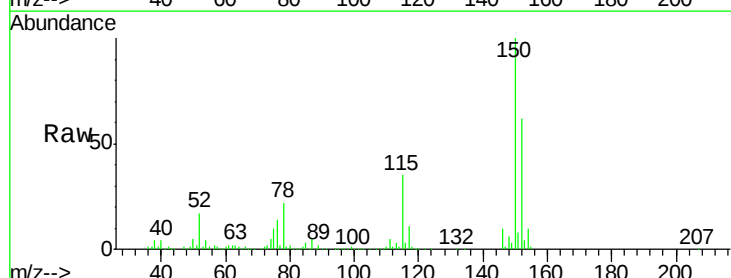
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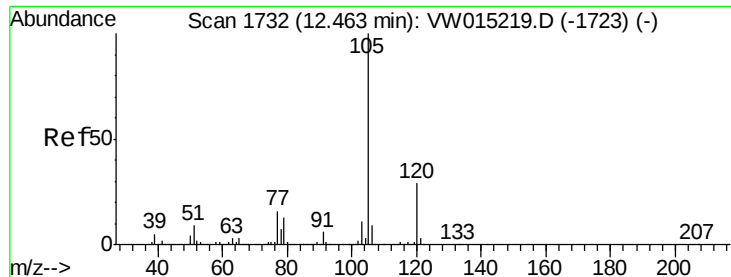
MMDadoda
4/21/2020 10:01:15 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	31.3	93.9
150	162.6	0.0	343.4





#73

Isopropylbenzene

Concen: 19.247 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 250908

Ion Ratio Lower Upper

105 100

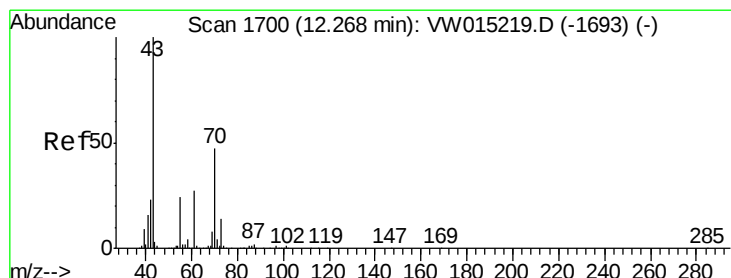
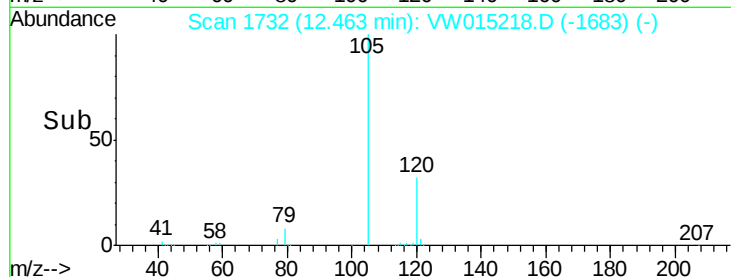
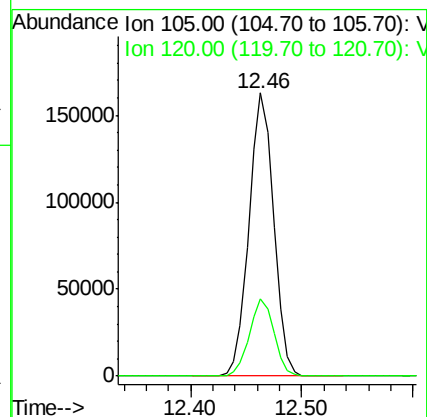
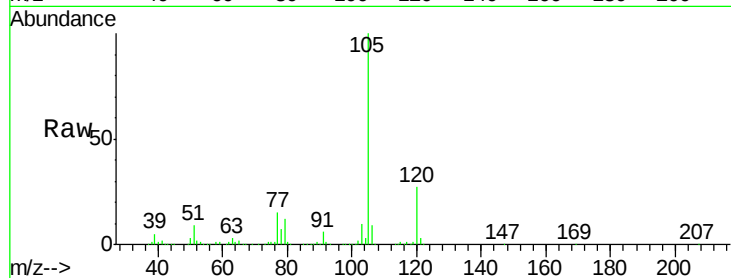
120 27.1 13.7 41.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 13.509 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Tgt Ion: 43 Resp: 40938

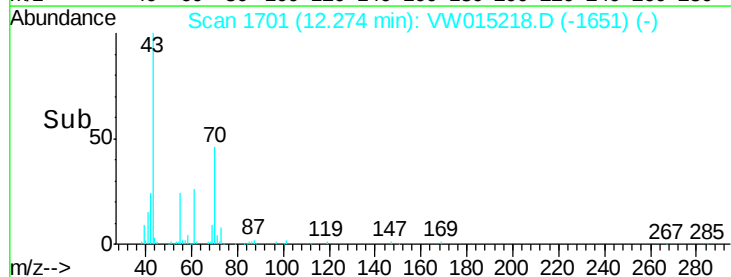
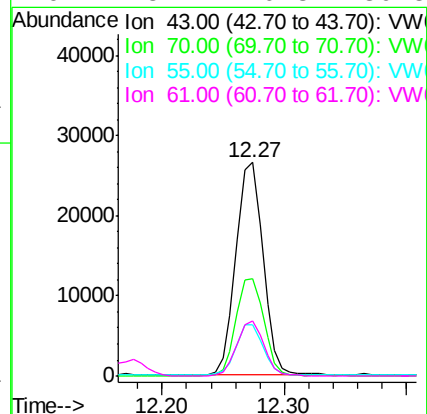
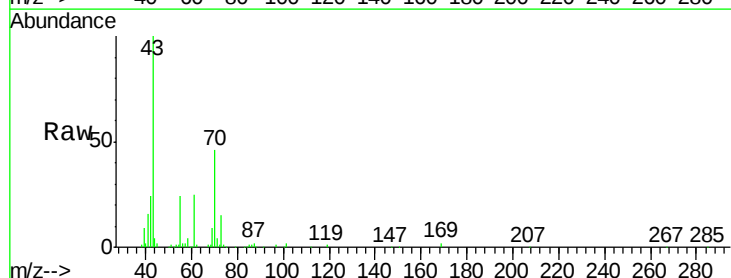
Ion Ratio Lower Upper

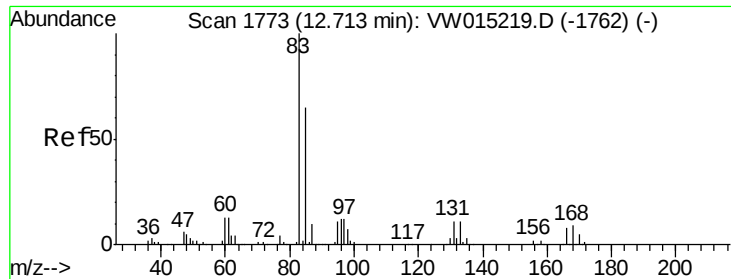
43 100

70 47.2 35.4 53.2

55 23.8 18.5 27.7

61 25.7 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 15.637 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

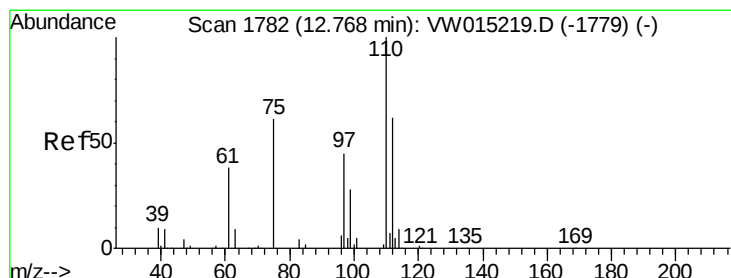
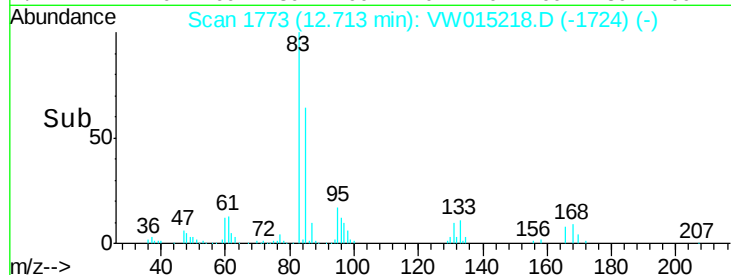
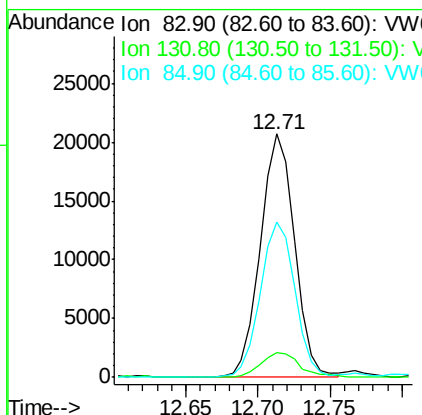
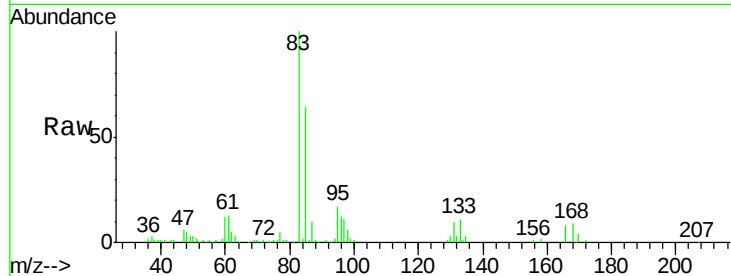
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	34155
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.1	15.2
85	64.7	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 17.761 ug/l m

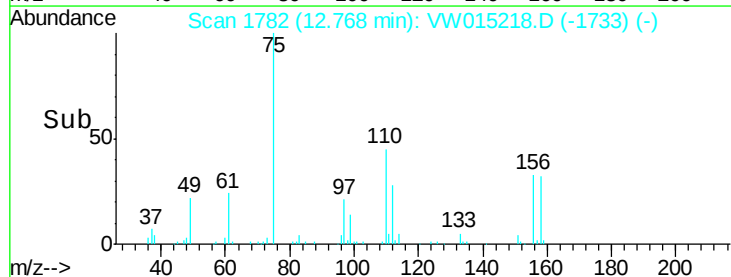
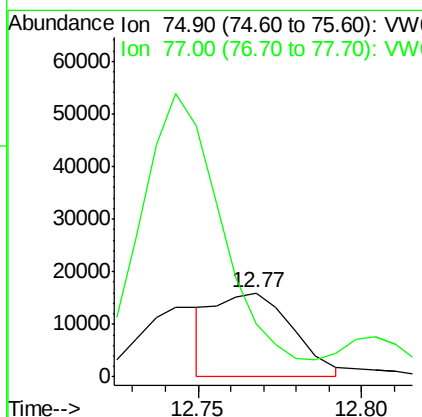
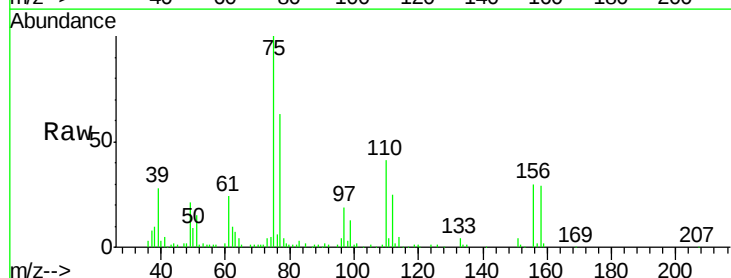
RT: 12.77 min Scan# 1782

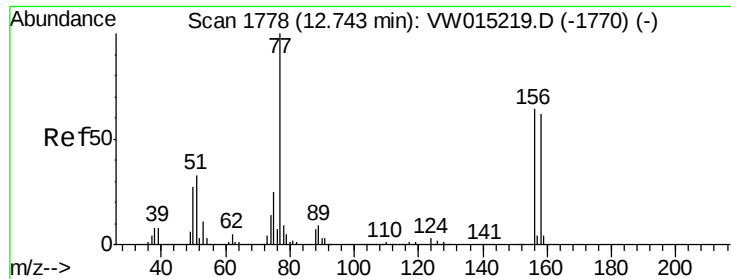
Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Tgt Ion:	75	Resp:	26577
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





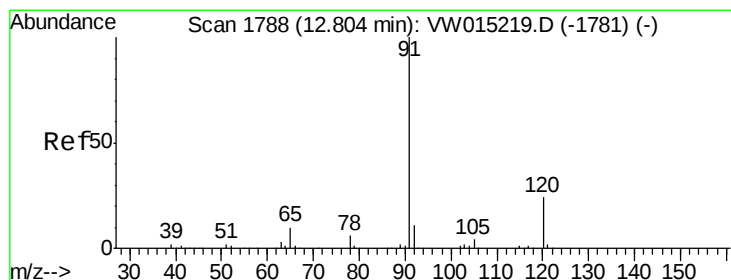
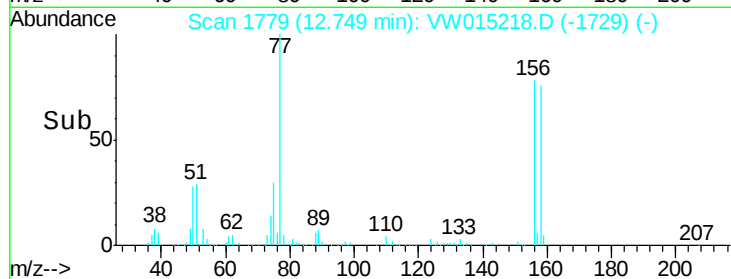
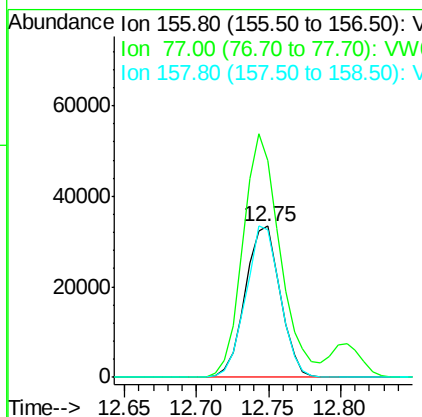
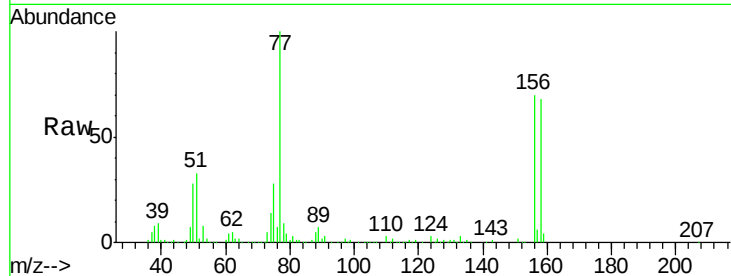
#77
Bromobenzene
Concen: 20.743 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.01 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.8	100.5	301.5
158	97.8	47.9	143.8

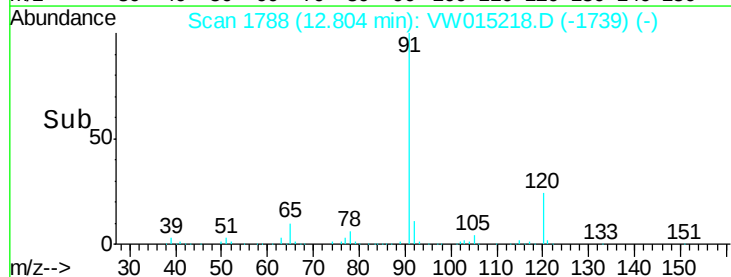
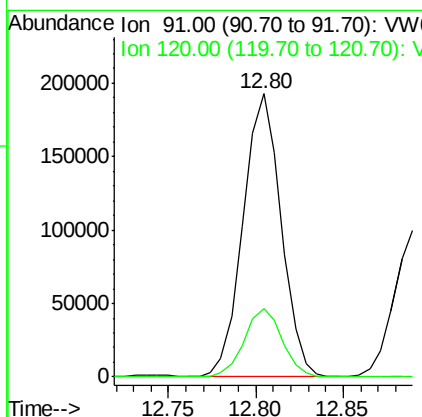
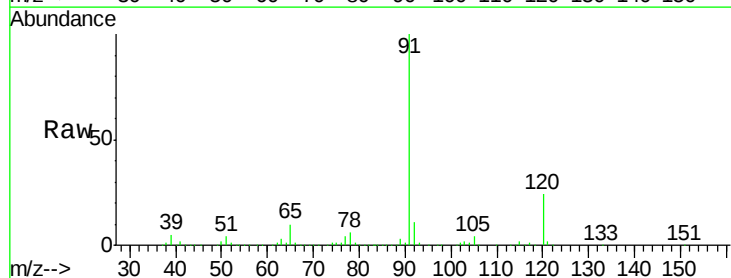
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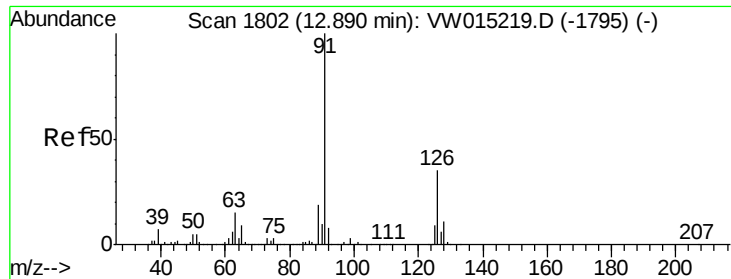
MMDadoda
4/21/2020 10:01:15 AM



#78
n-propylbenzene
Concen: 18.492 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.4	34.1





#79

2-Chlorotoluene

Concen: 18.724 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 162727

Ion Ratio Lower Upper

91 100

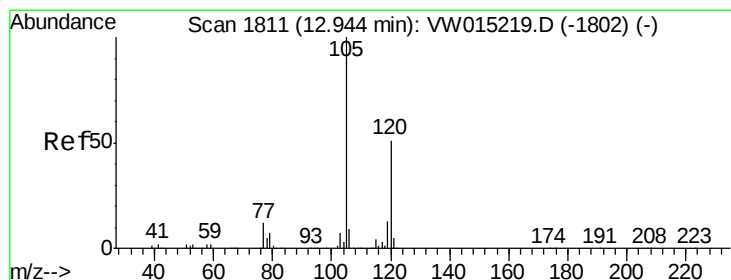
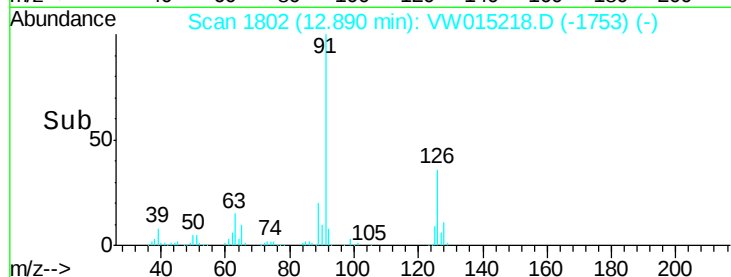
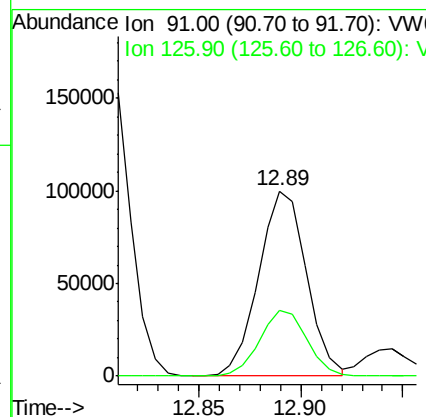
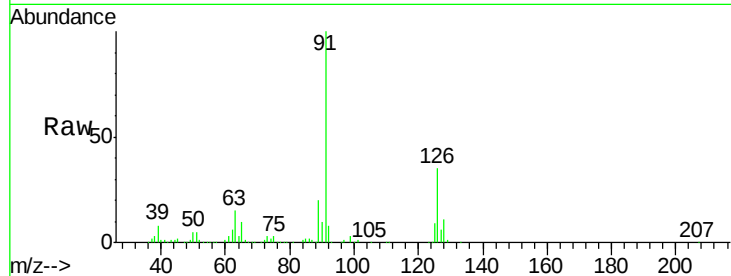
126 35.4 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 19.426 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015218.D

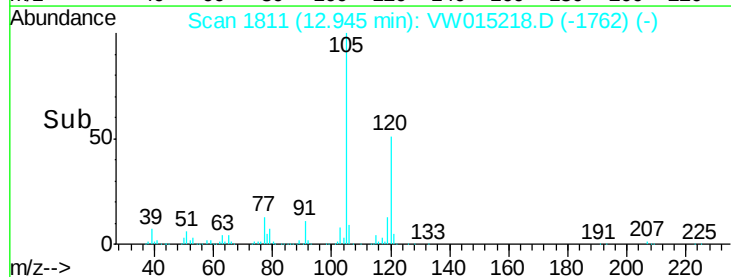
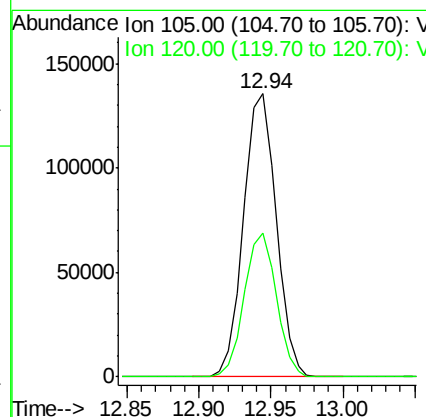
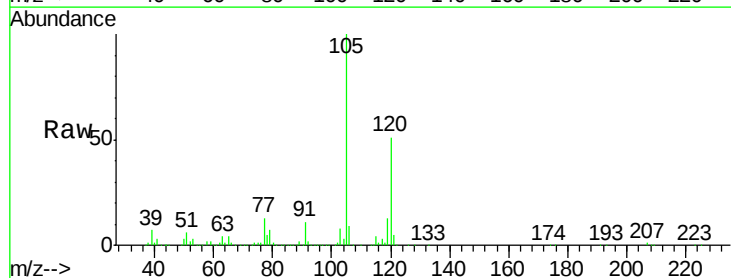
Acq: 20 Apr 2020 12:55

Tgt Ion: 105 Resp: 213238

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.8





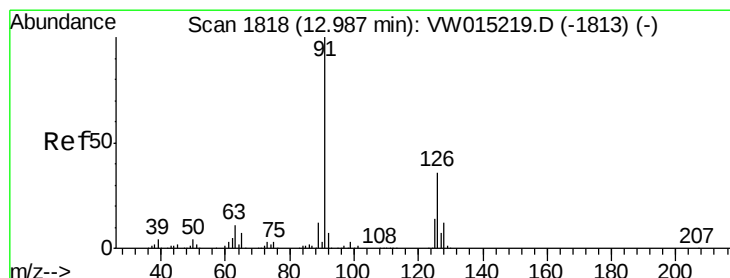
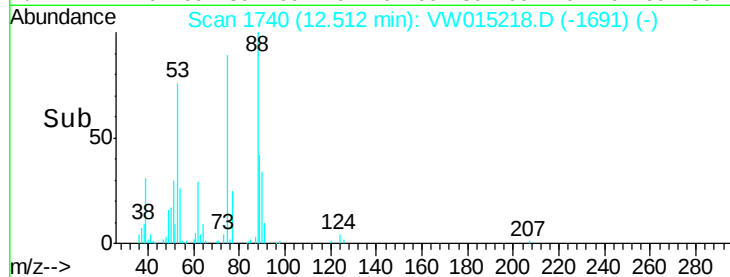
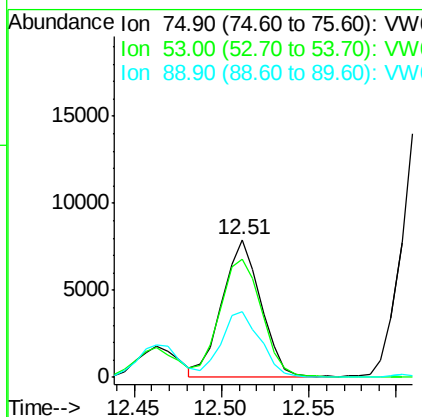
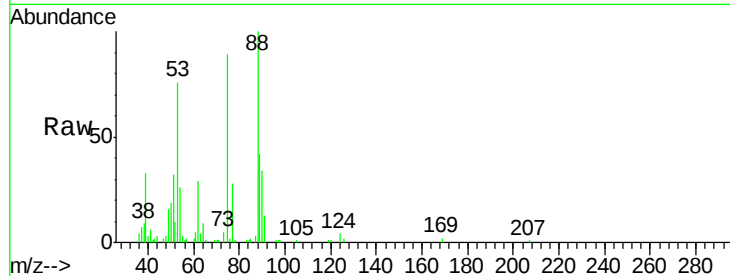
#81
trans-1,4-Dichloro-2-butene
Concen: 15.440 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.2	69.4	104.2
89	48.5	34.8	52.2

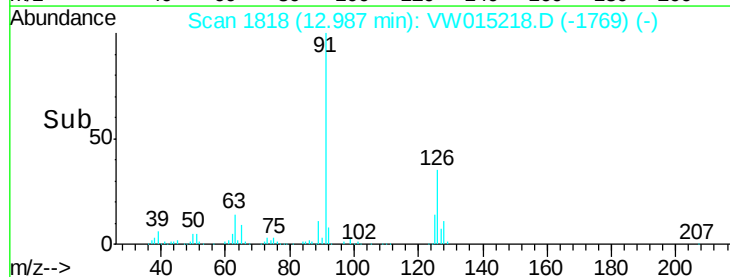
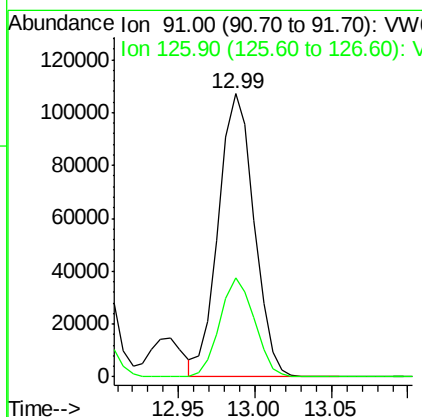
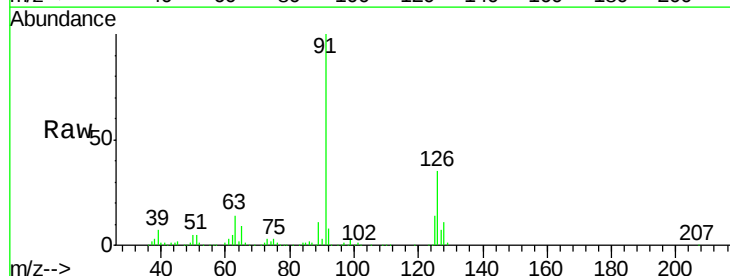
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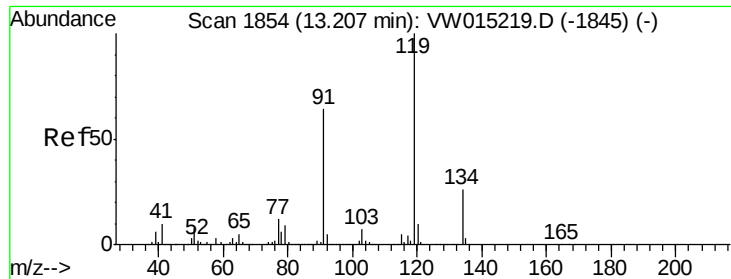
MMDadoda
4/21/2020 10:01:15 AM



#82
4-Chlorotoluene
Concen: 18.840 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.8	50.3





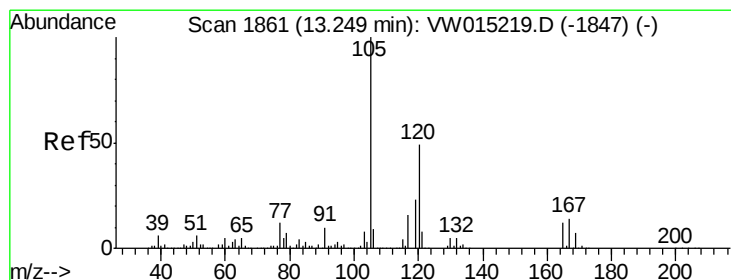
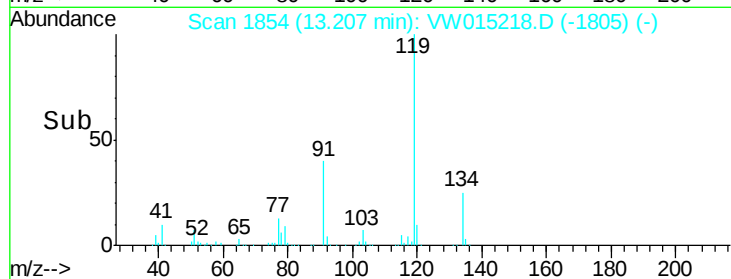
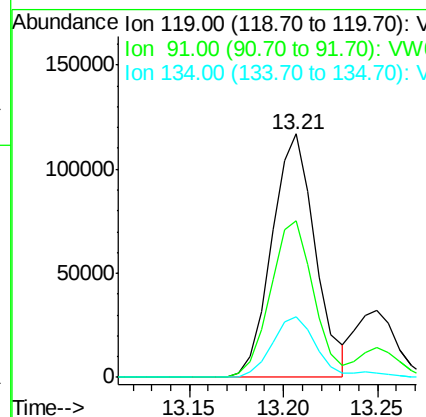
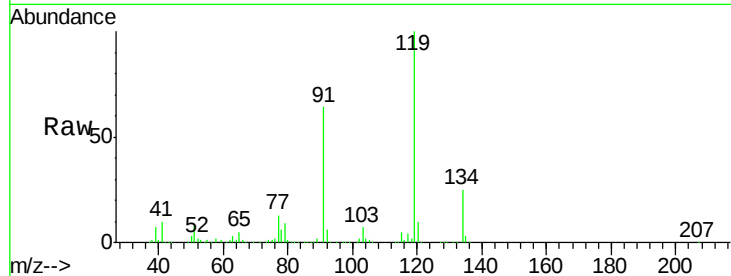
#83
tert-Butylbenzene
Concen: 19.600 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	186553		
91	63.7		32.8	98.3
134	25.1		13.3	39.9

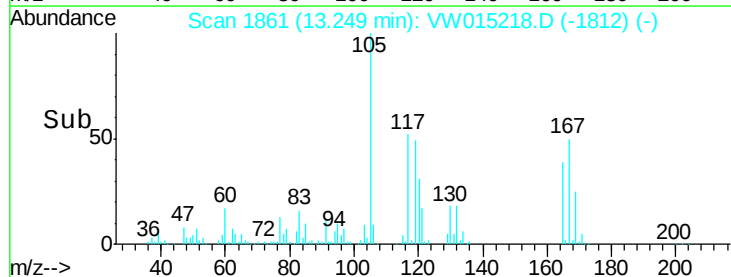
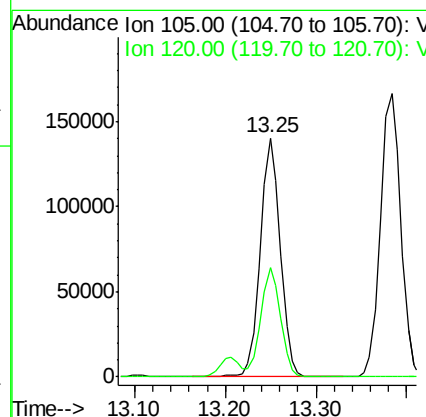
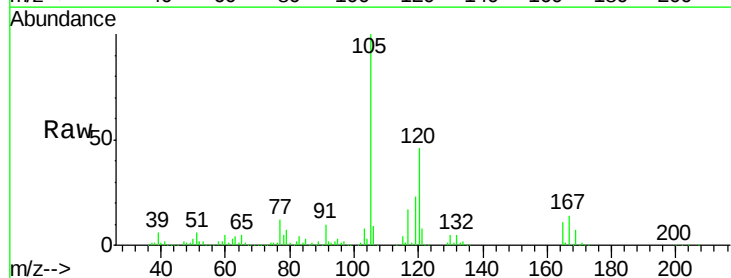
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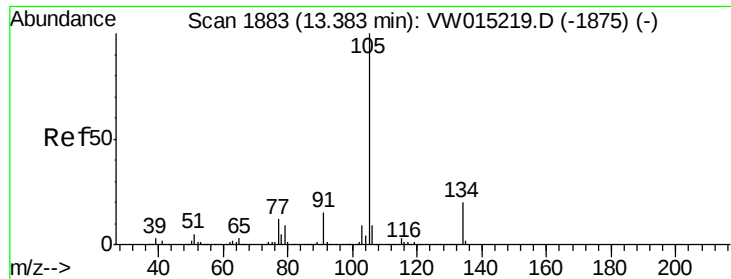
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.561 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	213412		
120	44.7		23.0	69.0





#85

sec-Butylbenzene

Concen: 19.144 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 258965

Ion Ratio Lower Upper

105 100

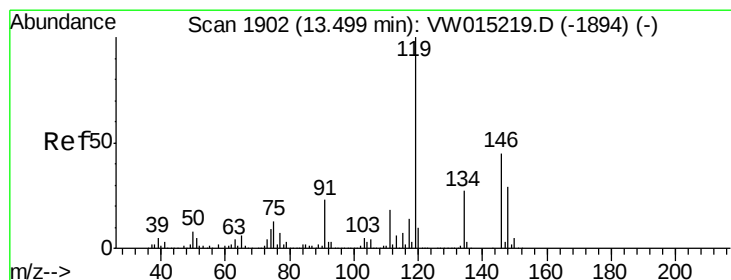
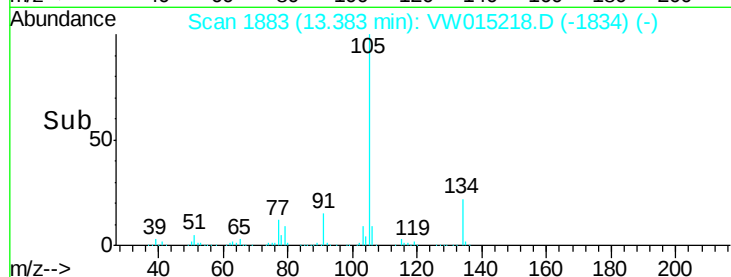
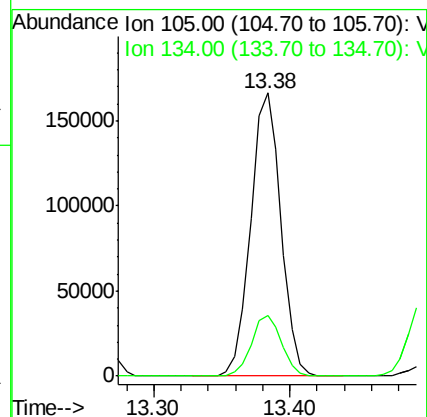
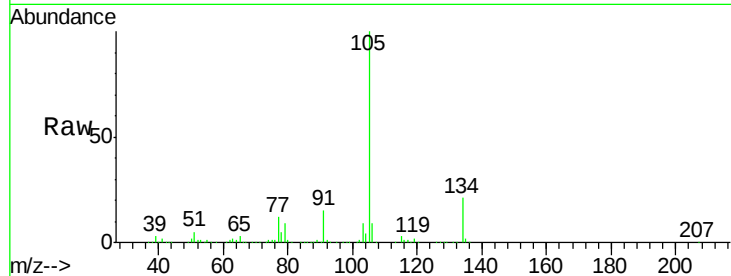
134 21.3 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 19.911 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

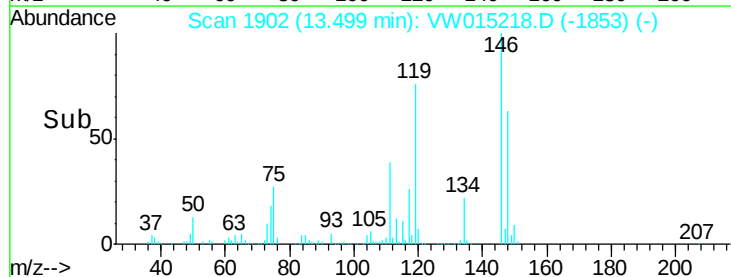
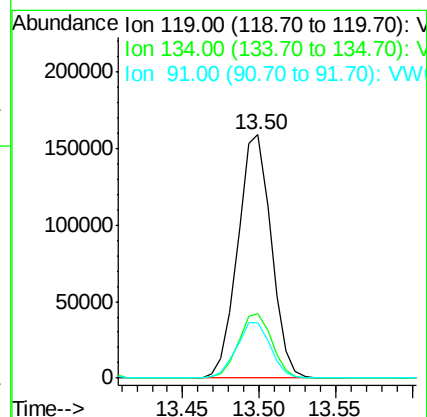
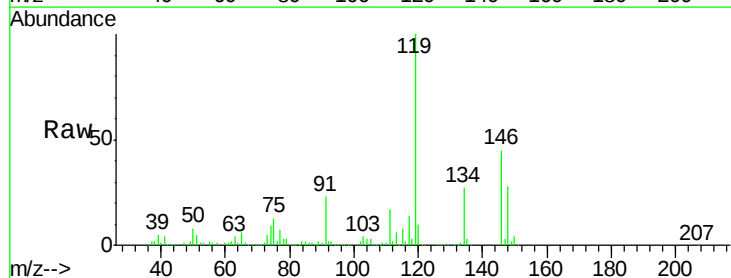
Tgt Ion:119 Resp: 240316

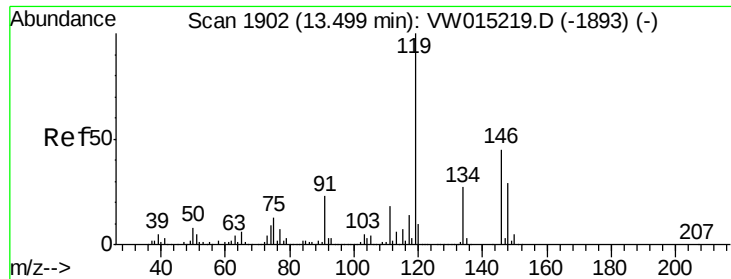
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 23.3 12.0 36.1





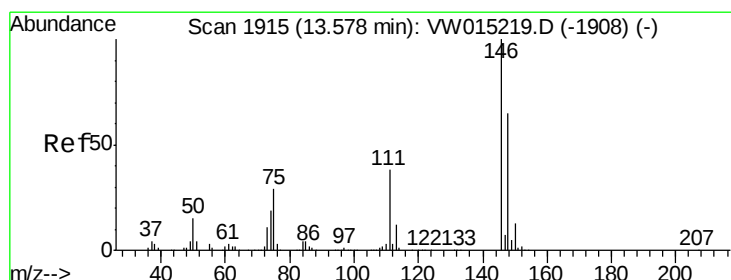
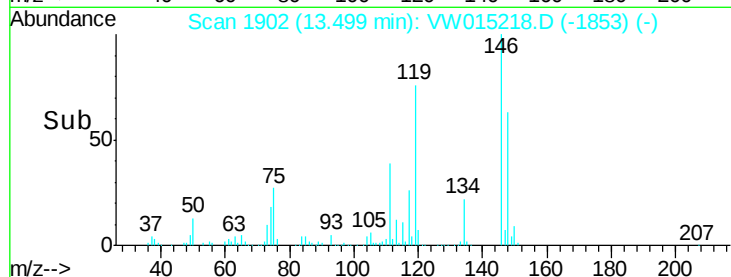
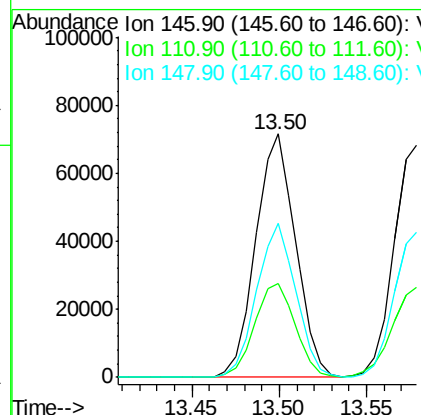
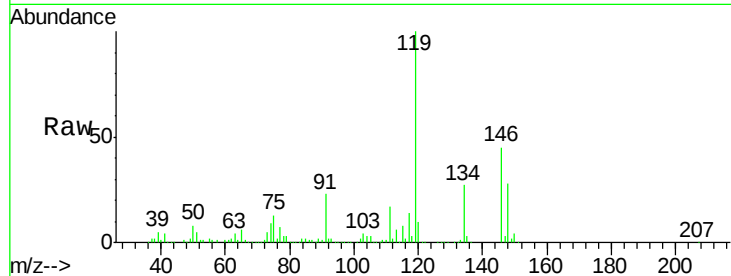
#87
 1,3-Dichlorobenzene
 Concen: 21.067 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.4	21.1	63.4	
148	62.2	31.8	95.3	

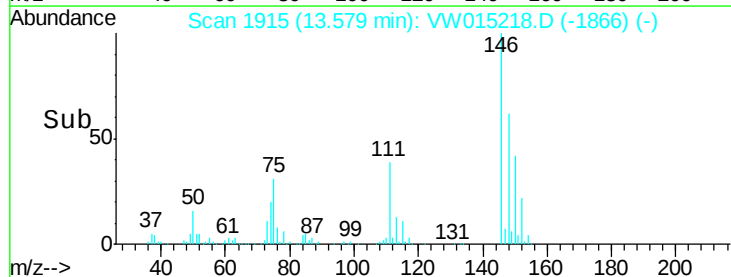
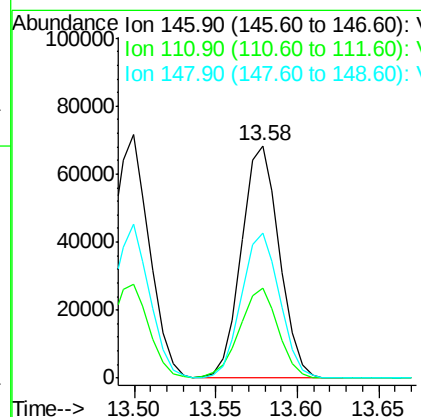
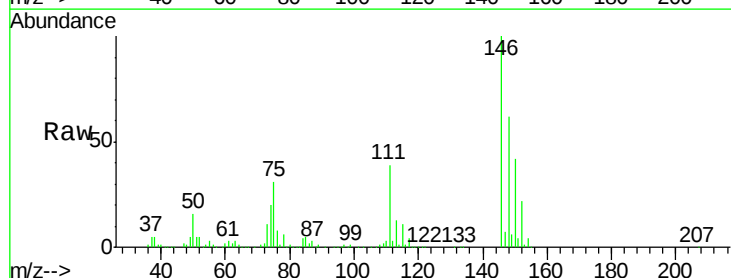
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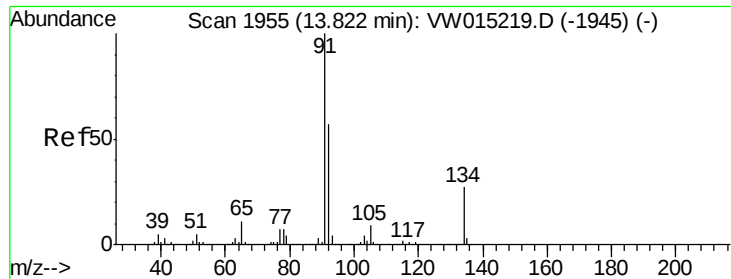
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#88
 1,4-Dichlorobenzene
 Concen: 20.677 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.8	20.4	61.3	
148	63.1	31.5	94.5	





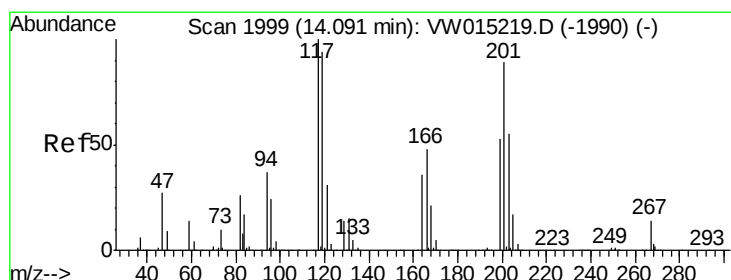
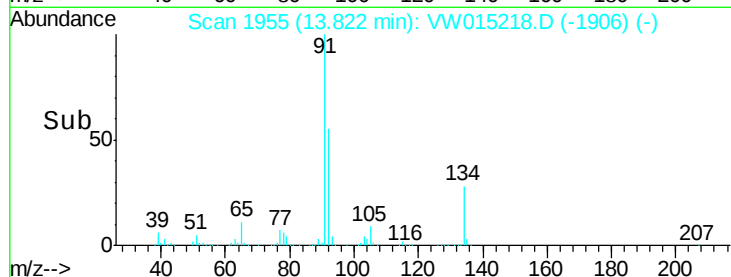
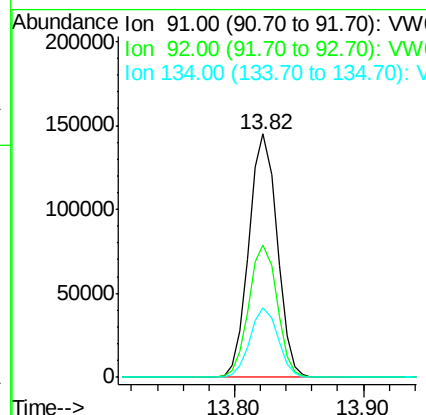
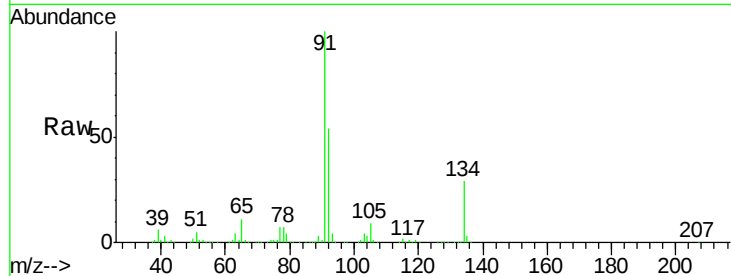
#89
n-Butylbenzene
Concen: 18.304 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.5	27.6	82.7	
134	28.2	12.8	38.3	

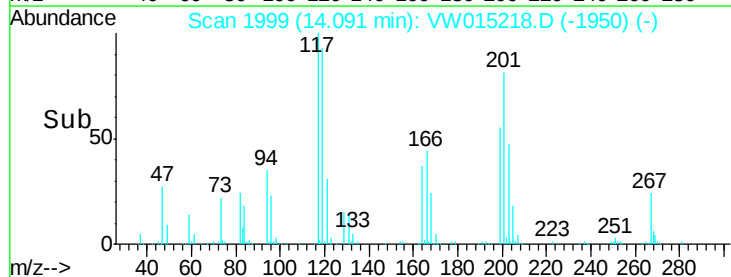
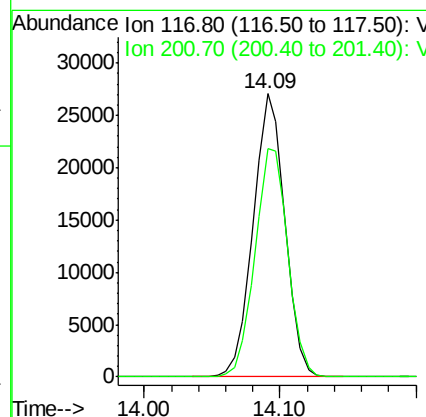
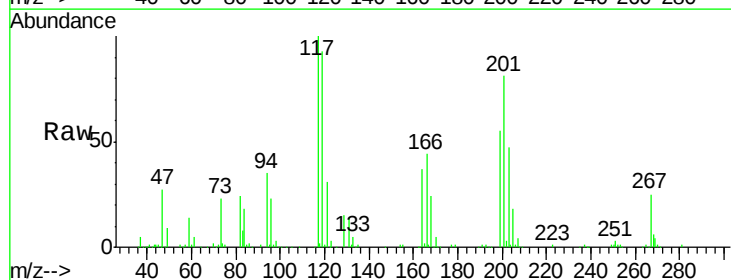
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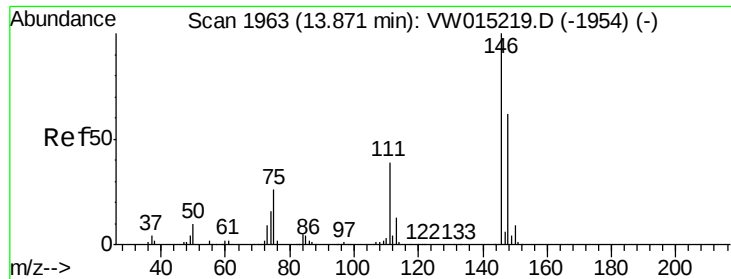
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#90
Hexachloroethane
Concen: 19.085 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	83.4	33.6	100.6	





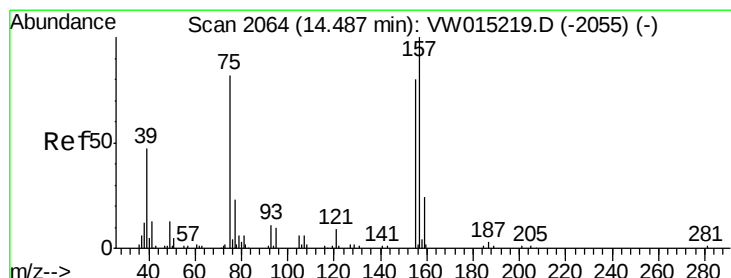
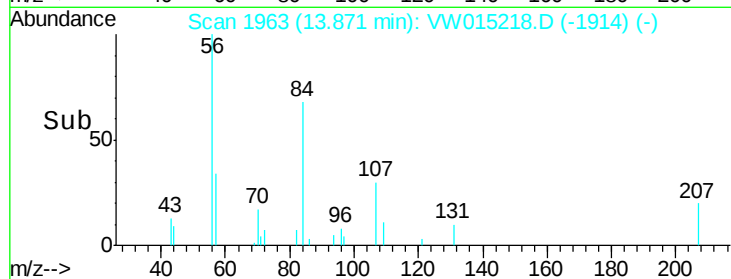
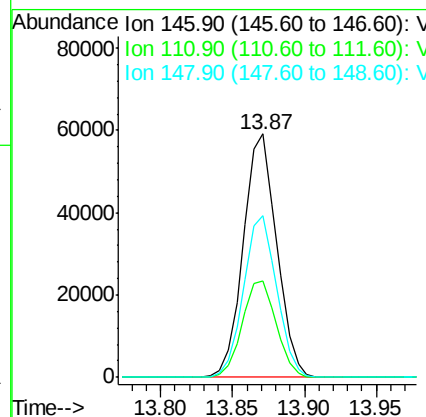
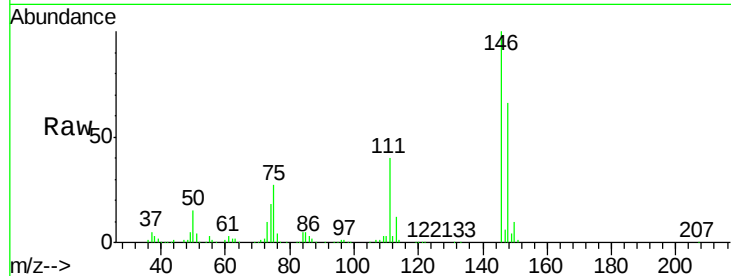
#91
 1,2-Dichlorobenzene
 Concen: 19.862 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.6	65.0
148	66.0	31.0	93.0

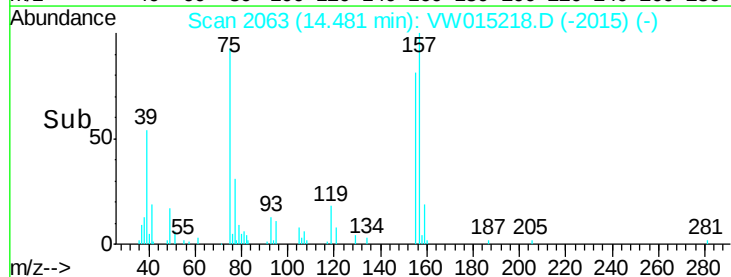
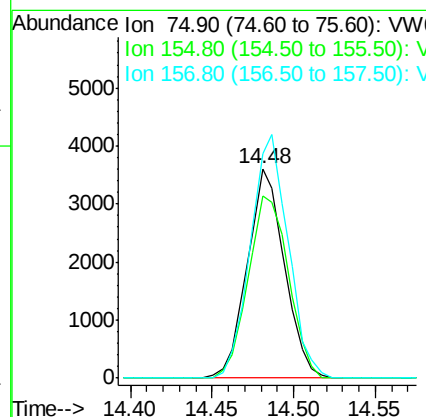
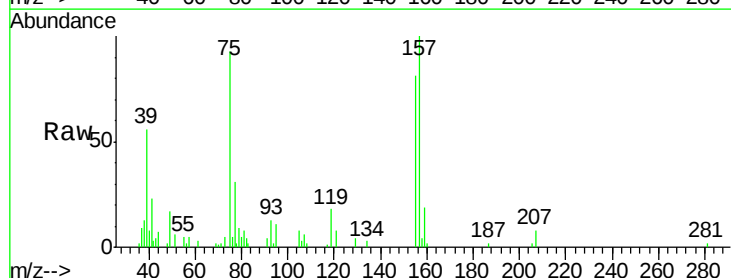
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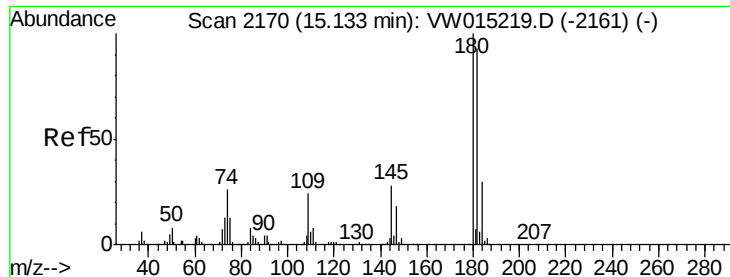
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.196 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015218.D
 Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	41.6	124.9
157	117.8	53.8	161.2





#93

1,2,4-Trichlorobenzene

Concen: 20.304 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW015218.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_W

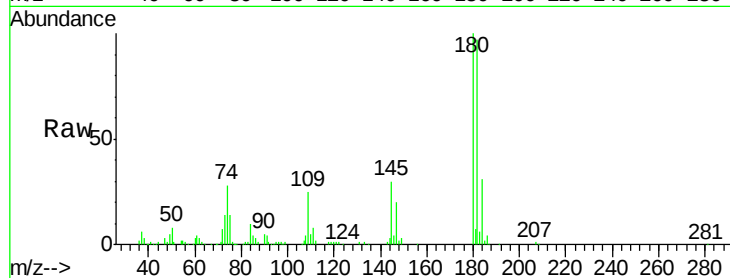
ClientSampleId :

VSTDIC020

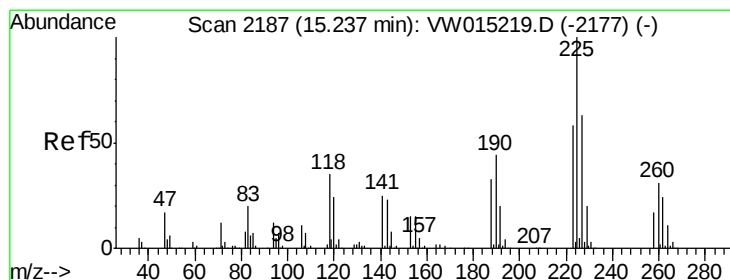
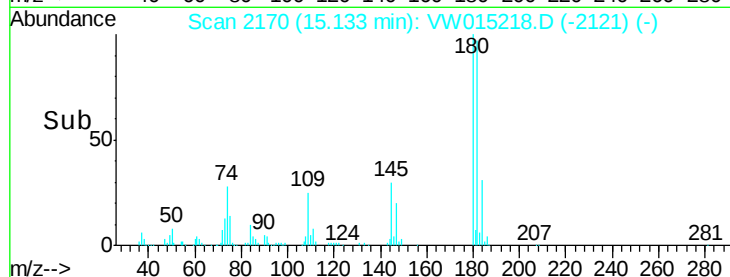
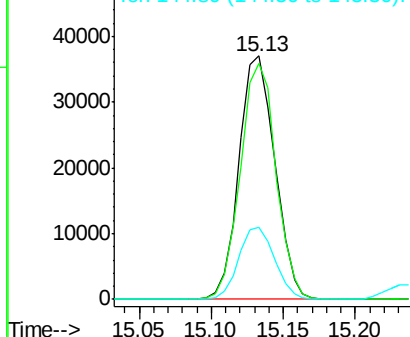
Tot Ion:	180	Resp:	64093
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.1	141.4
145	29.6	16.2	48.6

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



#94

Hexachlorobutadiene

Concen: 24.284 ug/l

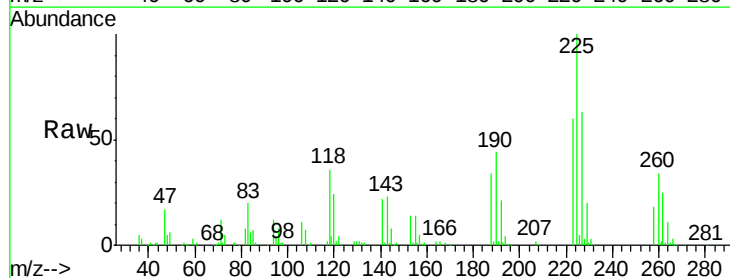
RT: 15.24 min Scan# 2187

Delta R.T. 0.00 min

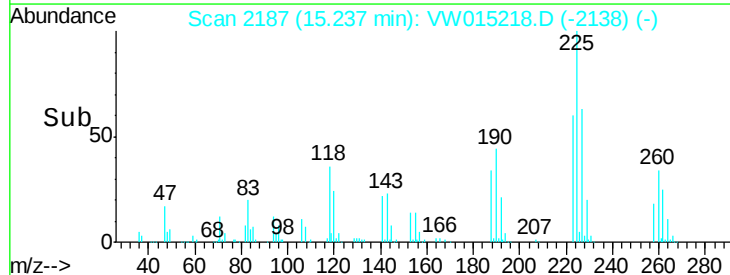
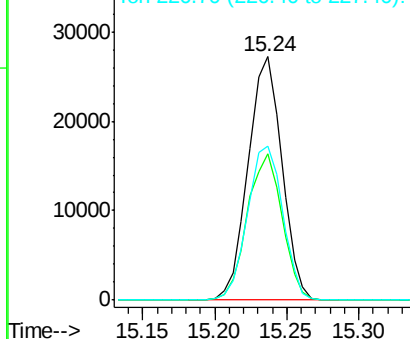
Lab File: VW015218.D

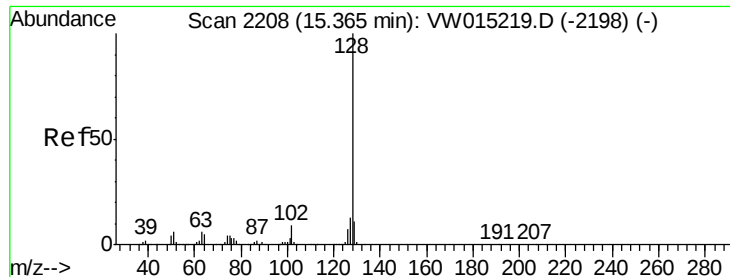
Acq: 20 Apr 2020 12:55

Tgt Ion:	225	Resp:	44225
Ion Ratio	Lower	Upper	
225	100		
223	61.7	31.0	93.0
227	65.7	30.8	92.3



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





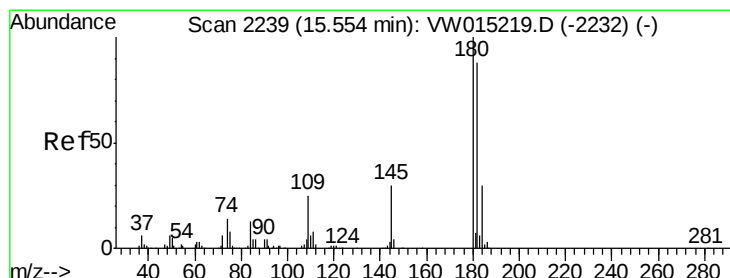
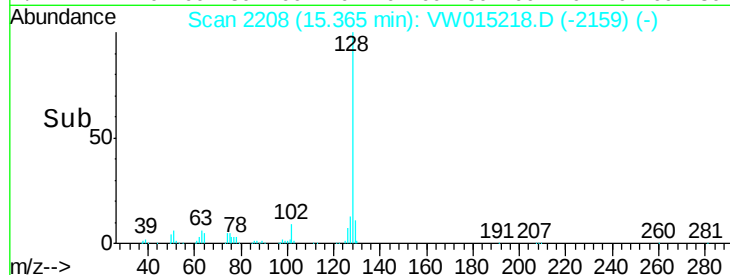
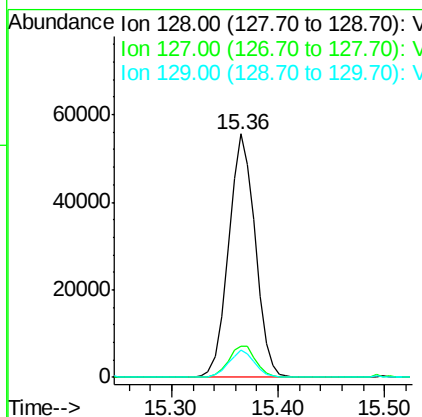
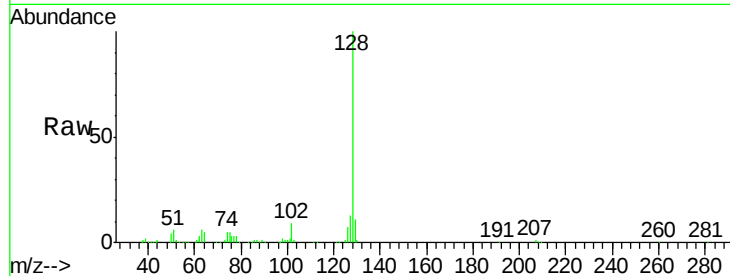
#95
Naphthalene
Concen: 16.040 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.697 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015218.D
Acq: 20 Apr 2020 12:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.8	146.3
145	31.2	17.2	51.6

