

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015397.D
 Acq On : 05 May 2020 16:17
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 12:11:48 PM

Quant Time: May 05 18:34:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:21:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	210879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	351199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	150475	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	12315	6.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.48%	
35) Dibromofluoromethane	7.89	113	10596	5.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.84%	
50) Toluene-d8	10.32	98	43563	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	
62) 4-Bromofluorobenzene	12.62	95	15672	5.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.08%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	5609	3.501	ug/l 95
3) Chloromethane	2.21	50	8097	4.604	ug/l 93
4) Vinyl Chloride	2.36	62	11488	5.269	ug/l 97
5) Bromomethane	2.78	94	9532	6.136	ug/l 90
6) Chloroethane	2.93	64	8326	6.053	ug/l 92
7) Trichlorofluoromethane	3.26	101	8172	2.870	ug/l 98
8) Diethyl Ether	3.68	74	5369	6.063	ug/l 85
9) 1,1,2-Trichlorotrifluoroet	4.06	101	9903	5.194	ug/l 100
10) Methyl Iodide	4.27	142	14883	7.065	ug/l 97
11) Tert butyl alcohol	5.24	59	3551m	24.875	ug/l
12) 1,1-Dichloroethene	4.04	96	10302	5.543	ug/l 97
13) Acrolein	3.90	56	4189	45.844	ug/l 88
14) Allyl chloride	4.67	41	17797	6.858	ug/l 98
15) Acrylonitrile	5.38	53	10089	29.214	ug/l 98
16) Acetone	4.14	43	9398	30.130	ug/l 98
17) Carbon Disulfide	4.38	76	30928	5.594	ug/l 98
18) Methyl Acetate	4.68	43	4847	5.829	ug/l 98
19) Methyl tert-butyl Ether	5.43	73	16537	4.113	ug/l 94
20) Methylene Chloride	4.92	84	14833	7.331	ug/l 98
21) trans-1,2-Dichloroethene	5.43	96	11855	5.637	ug/l 95
22) Diisopropyl ether	6.31	45	33878	6.766	ug/l 95
23) Vinyl Acetate	6.26	43	100082	33.754	ug/l 100
24) 1,1-Dichloroethane	6.21	63	20899	6.207	ug/l 98
25) 2-Butanone	7.18	43	14053	32.708	ug/l 97
26) 2,2-Dichloropropane	7.17	77	15052	4.584	ug/l 98
27) cis-1,2-Dichloroethene	7.17	96	12355	5.431	ug/l 96
28) Bromochloromethane	7.51	49	8248	6.645	ug/l 96
29) Tetrahydrofuran	7.54	42	8766	32.264	ug/l 100
30) Chloroform	7.68	83	21034	5.886	ug/l 96
31) Cyclohexane	7.95	56	24970	7.360	ug/l # 79
32) 1,1,1-Trichloroethane	7.87	97	17498	5.170	ug/l 98
36) 1,1-Dichloropropene	8.08	75	17304	5.344	ug/l 99
37) Ethyl Acetate	7.25	43	6450	5.898	ug/l 99
38) Carbon Tetrachloride	8.07	117	15947	4.608	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	22029	5.155	ug/l	97
40) Benzene	8.32	78	47169	5.458	ug/l	98
41) Methacrylonitrile	7.49	41	4232	6.422	ug/l	93
42) 1,2-Dichloroethane	8.40	62	14058	5.469	ug/l	99
43) Isopropyl Acetate	8.43	43	13674	6.017	ug/l	99
44) Trichloroethene	9.09	130	12014	4.657	ug/l	99
45) 1,2-Dichloropropane	9.37	63	11618	5.708	ug/l	100
46) Dibromomethane	9.46	93	5597	4.867	ug/l	97
47) Bromodichloromethane	9.65	83	14953	4.846	ug/l	94
48) Methyl methacrylate	9.44	41	5858	5.479	ug/l	90
49) 1,4-Dioxane	9.47	88	1429	94.143	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	30884	28.836	ug/l	99
52) Toluene	10.38	92	30016	5.017	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	14803	4.847	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	17917	5.033	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	8166	5.069	ug/l	98
56) Ethyl methacrylate	10.65	69	10507	5.002	ug/l	92
57) 1,3-Dichloropropane	10.93	76	14119	5.226	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	25441	26.029	ug/l	99
59) 2-Hexanone	10.97	43	20594	27.224	ug/l	99
60) Dibromochloromethane	11.13	129	9039	4.312	ug/l	98
61) 1,2-Dibromoethane	11.23	107	7399	4.726	ug/l	98
64) Tetrachloroethene	10.86	164	9747	4.428	ug/l	96
65) Chlorobenzene	11.65	112	30946	5.011	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	10851	4.896	ug/l	98
67) Ethyl Benzene	11.73	91	59684	5.162	ug/l	98
68) m/p-Xylenes	11.84	106	43779	9.760	ug/l	99
69) o-Xylene	12.16	106	20330	4.839	ug/l	99
70) Styrene	12.18	104	34116	4.756	ug/l	99
71) Bromoform	12.35	173	4856	3.951	ug/l #	98
73) Isopropylbenzene	12.46	105	56105	5.265	ug/l	99
74) N-amyl acetate	12.27	43	13300	6.797	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	8590	5.554	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	5940m	4.876	ug/l	
77) Bromobenzene	12.74	156	12203	5.080	ug/l	97
78) n-propylbenzene	12.80	91	69035	5.542	ug/l	99
79) 2-Chlorotoluene	12.89	91	39096	5.570	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	48528	5.309	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	2913	5.282	ug/l	98
82) 4-Chlorotoluene	12.99	91	40890	5.493	ug/l	99
83) tert-Butylbenzene	13.21	119	40699	5.107	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	48975	5.417	ug/l	100
85) sec-Butylbenzene	13.38	105	58402	5.287	ug/l	100
86) p-Isopropyltoluene	13.50	119	53054	5.198	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	24210	5.042	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	24491	5.201	ug/l	93
89) n-Butylbenzene	13.82	91	51334	5.423	ug/l	99
90) Hexachloroethane	14.10	117	9708	5.176	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	20732	4.996	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1511	5.472	ug/l	97

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ClientSampleId :
VSTDICC005

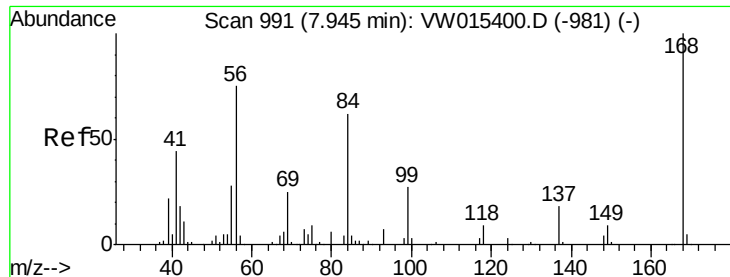
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	14158	4.934	ug/l	97
94) Hexachlorobutadiene	15.24	225	8363	4.417	ug/l	99
95) Naphthalene	15.36	128	23424	4.979	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	11985	5.100	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion:168 Resp: 210879

Ion Ratio Lower Upper

168 100

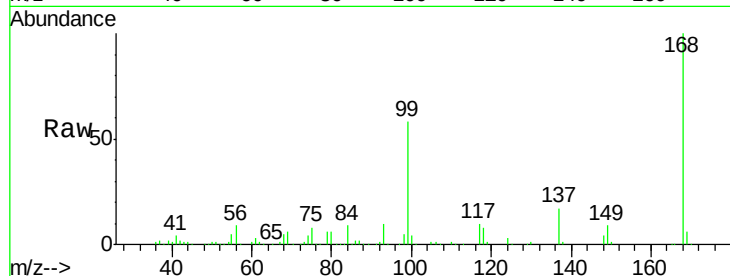
99 57.6 50.3 75.5

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

80000

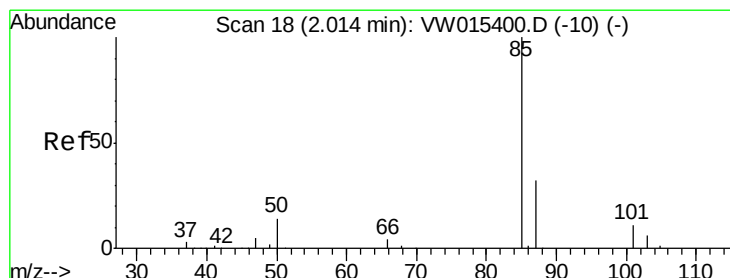
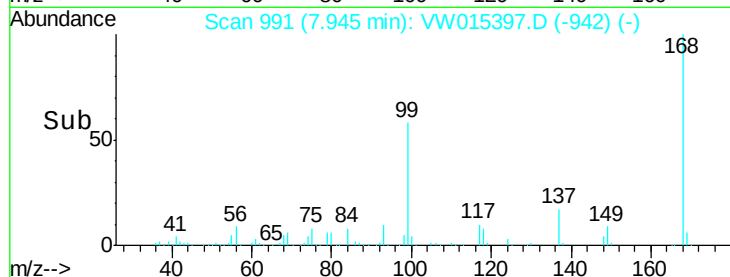
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 3.501 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW015397.D

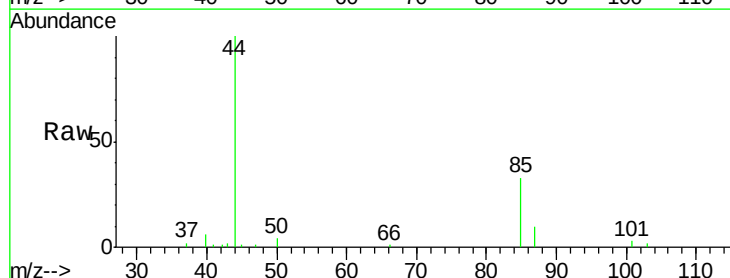
Acq: 05 May 2020 16:17

Tgt Ion: 85 Resp: 5609

Ion Ratio Lower Upper

85 100

87 29.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

2000

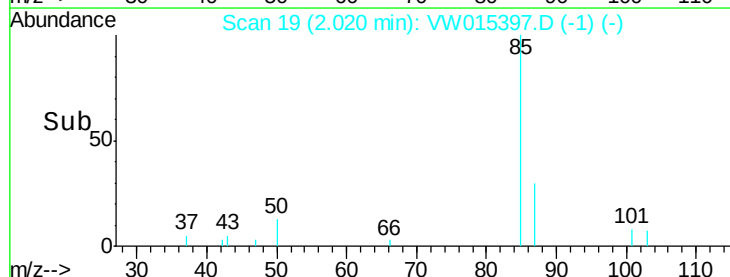
1500

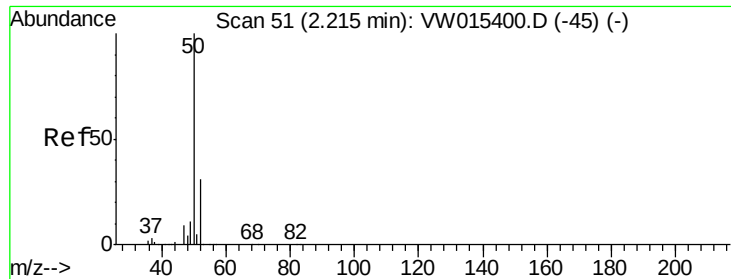
1000

500

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 4.604 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 8097

Ion Ratio Lower Upper

50 100

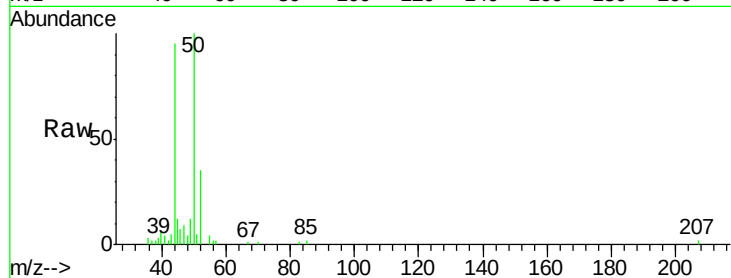
52 35.4 25.0 37.6

Manual Integrations

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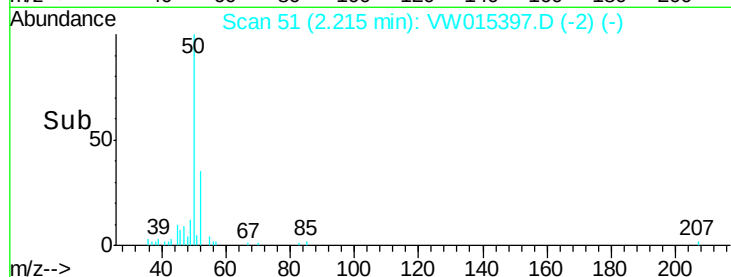


Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

Time-->



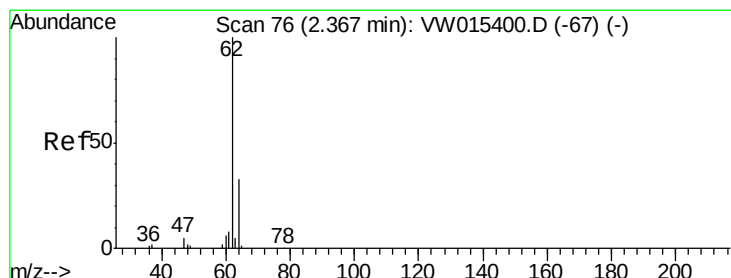
Abundance

Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

Time-->



#4

Vinyl Chloride

Concen: 5.269 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015397.D

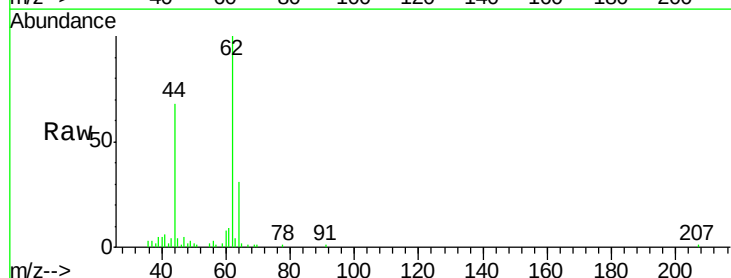
Acq: 05 May 2020 16:17

Tgt Ion: 62 Resp: 11488

Ion Ratio Lower Upper

62 100

64 31.3 26.4 39.6

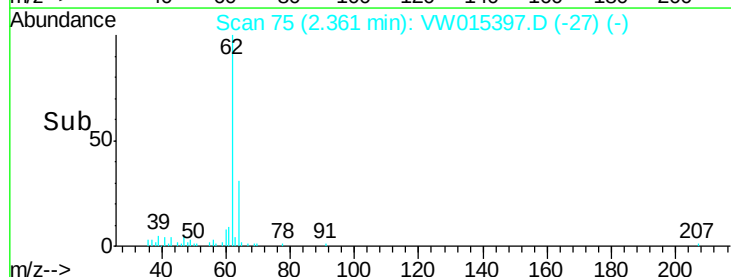


Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

Time-->



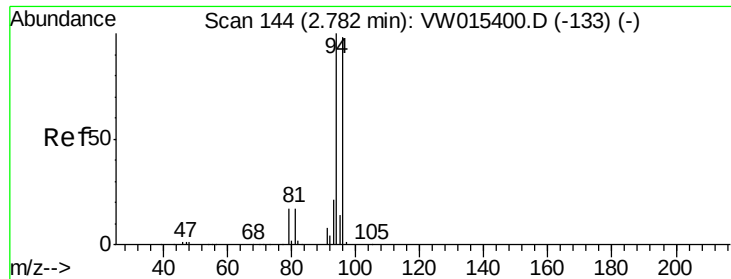
Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

Time-->



#5

Bromomethane

Concen: 6.136 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 9532

Ion Ratio Lower Upper

94 100

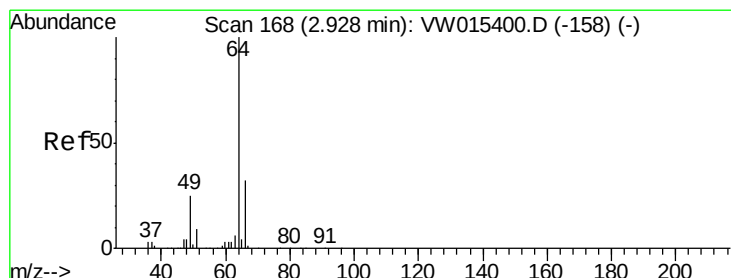
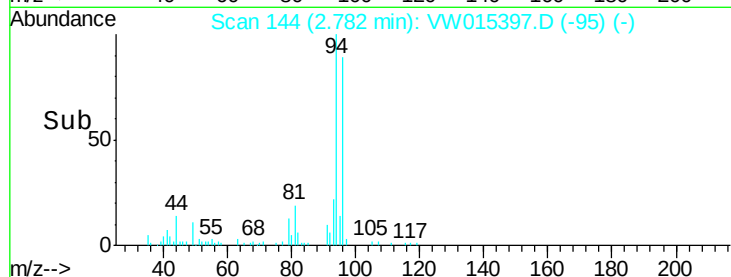
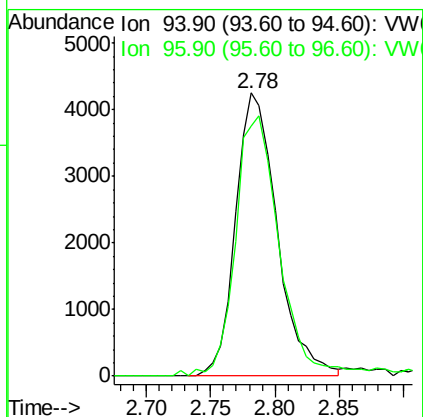
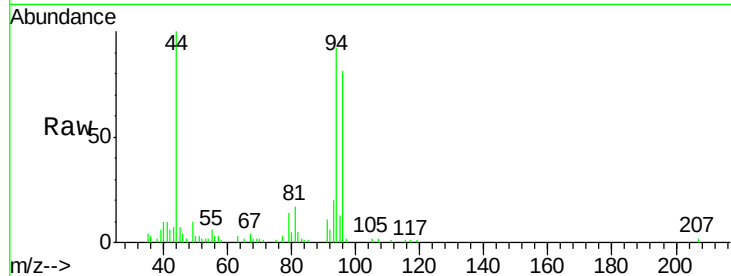
96 88.5 78.8 118.2

Manual Integrations

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#6

Chloroethane

Concen: 6.053 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015397.D

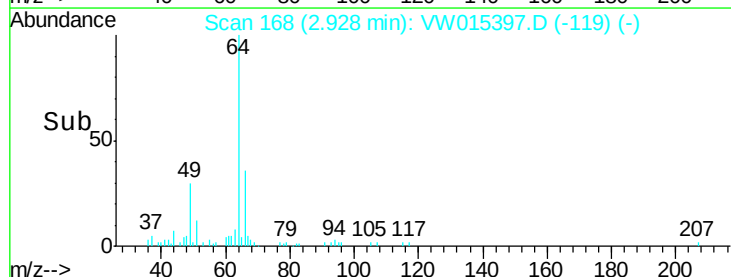
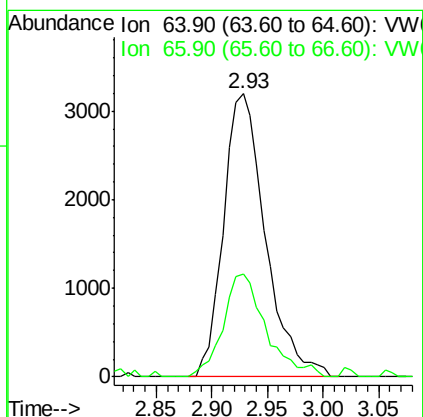
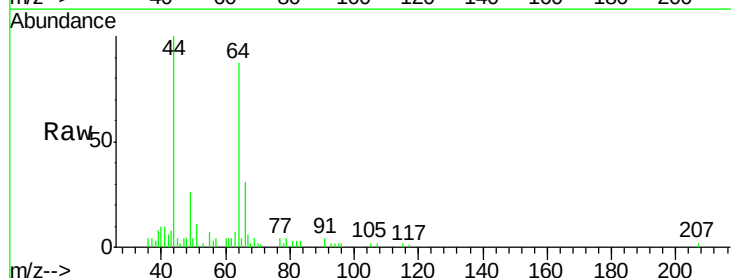
Acq: 05 May 2020 16:17

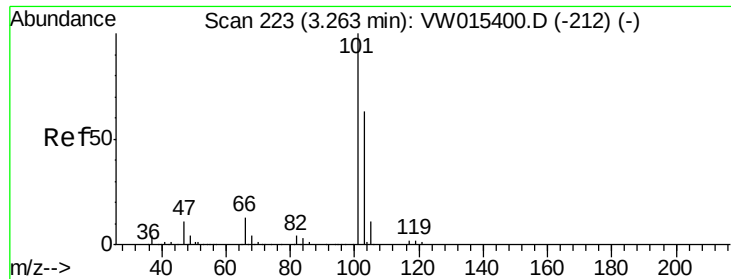
Tgt Ion: 64 Resp: 8326

Ion Ratio Lower Upper

64 100

66 36.2 25.4 38.0





#7

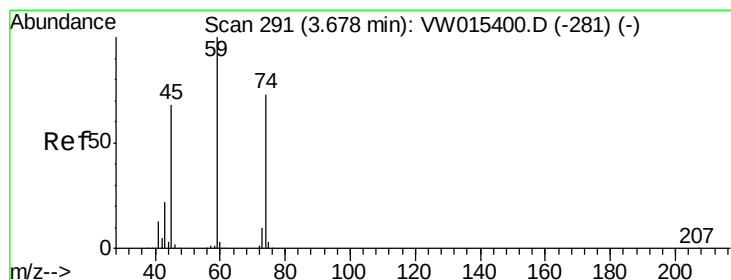
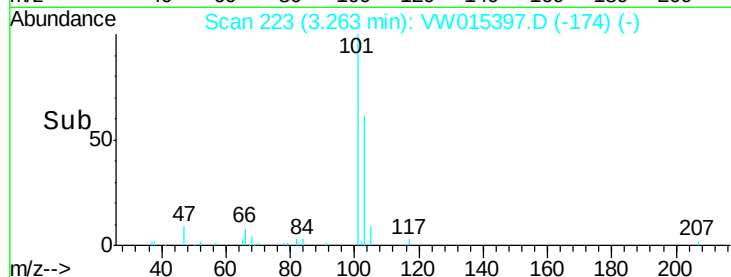
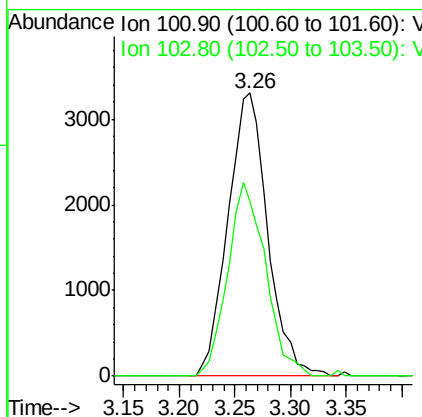
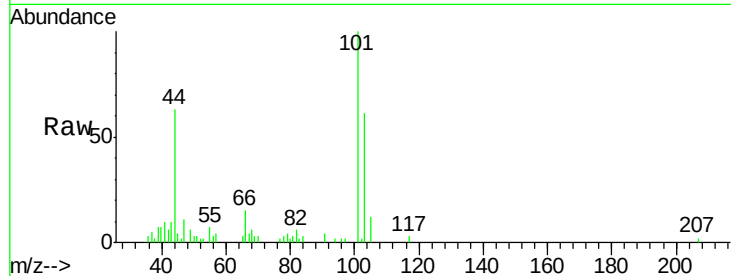
Trichlorofluoromethane
 Concen: 2.870 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

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 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	50.2	75.4

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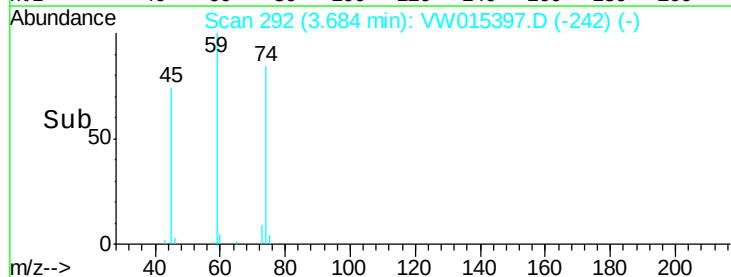
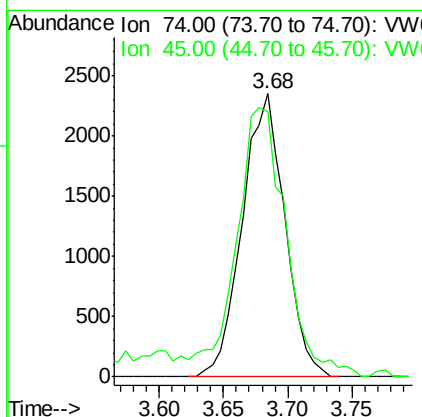
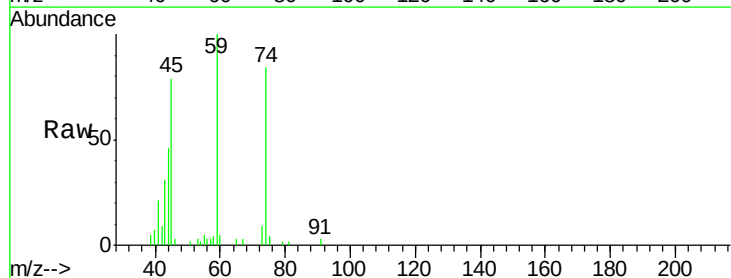
MMDadoda
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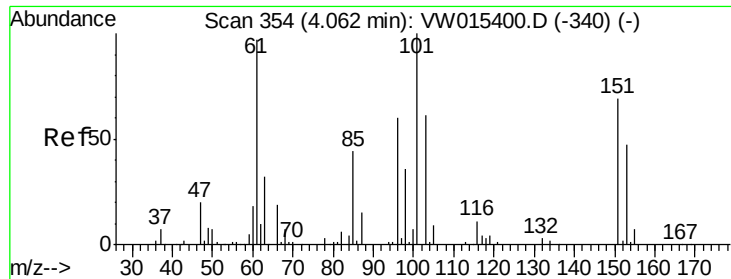


#8

Diethyl Ether
 Concen: 6.063 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.8	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.194 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

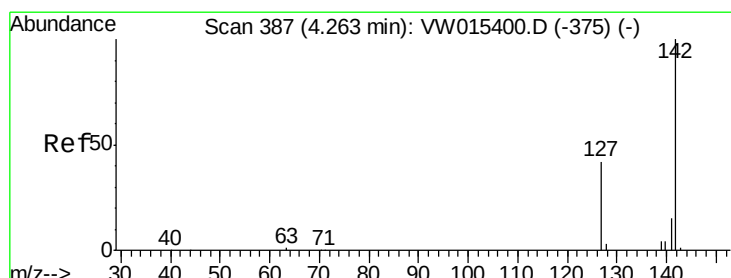
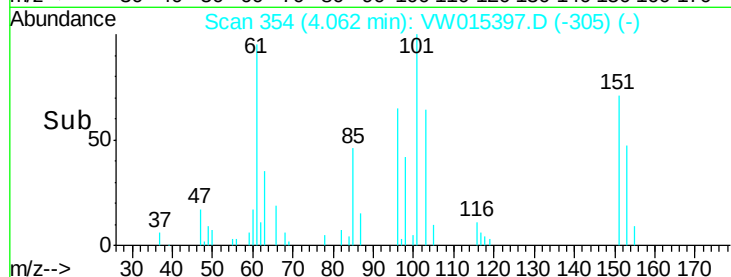
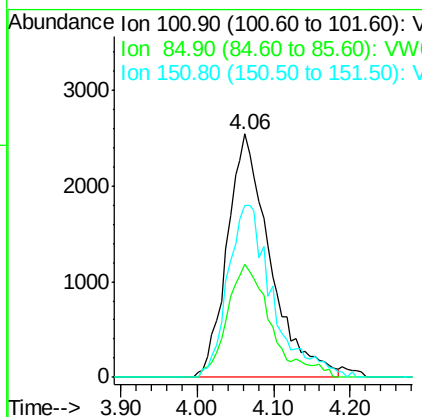
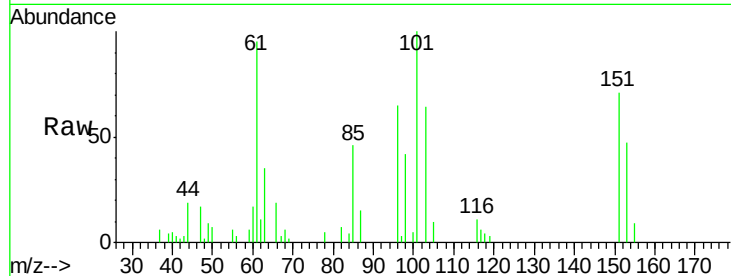
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	9903
Ion Ratio	Lower	Upper	
101	100		
85	47.1	37.3	55.9
151	73.6	58.9	88.3

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#10

Methyl Iodide

Concen: 7.065 ug/l

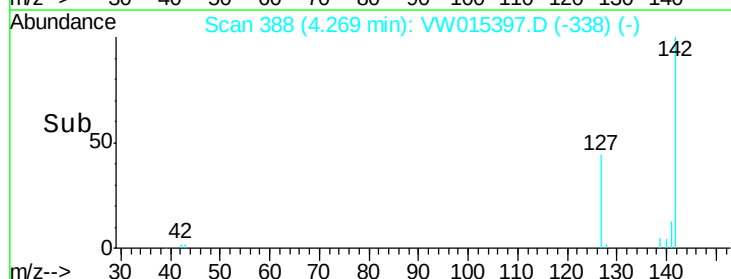
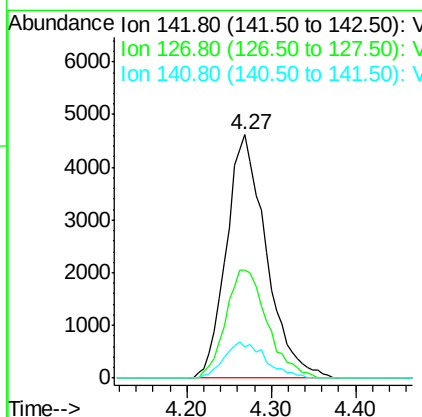
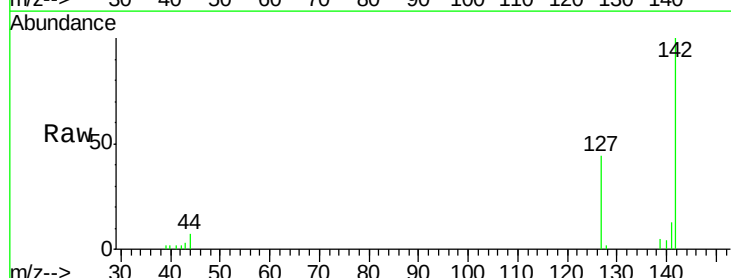
RT: 4.27 min Scan# 388

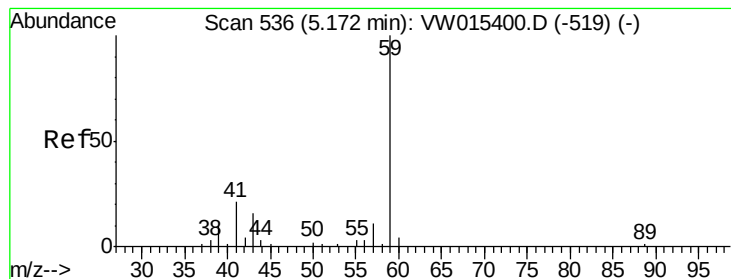
Delta R.T. 0.01 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Tgt Ion:	142	Resp:	14883
Ion Ratio	Lower	Upper	
142	100		
127	46.2	35.4	53.2
141	15.3	11.7	17.5





#11

Tert butyl alcohol

Concen: 24.875 ug/l m

RT: 5.24 min Scan# 548

Delta R.T. 0.07 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 59 Resp: 3551

Ion Ratio Lower Upper

59 100

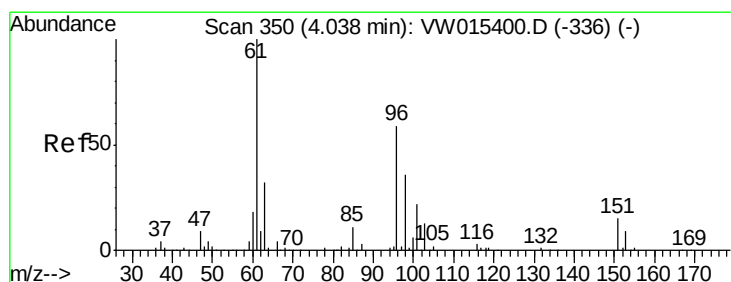
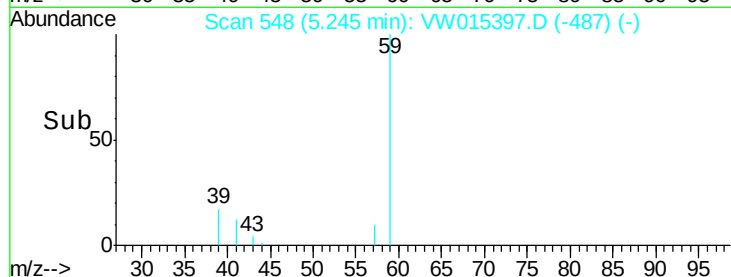
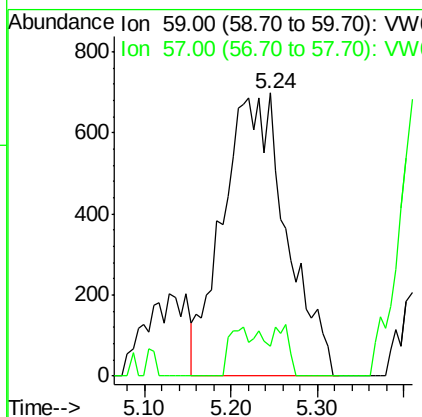
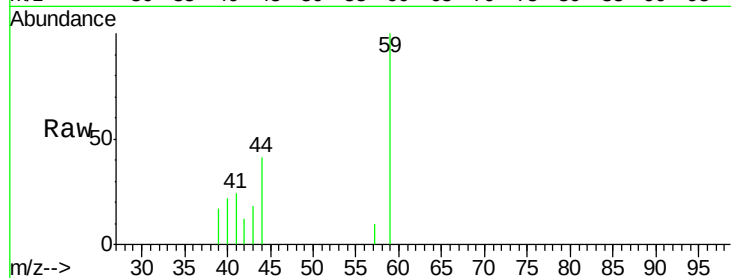
57 0.0 8.6 13.0#

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#12

1,1-Dichloroethene

Concen: 5.543 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

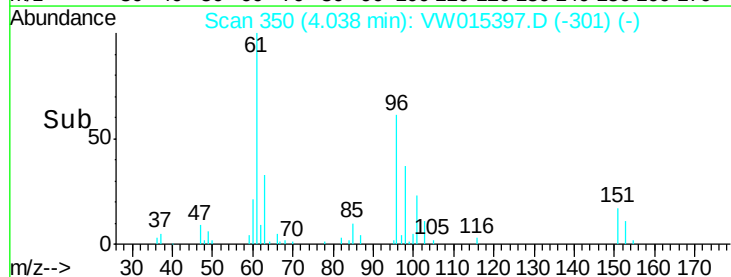
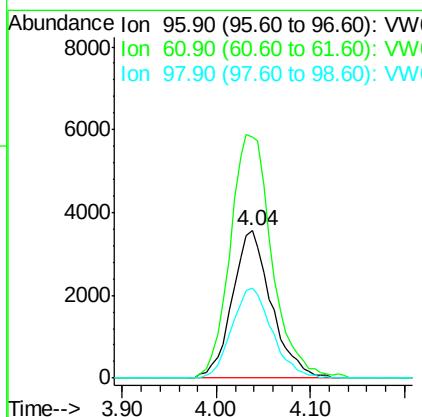
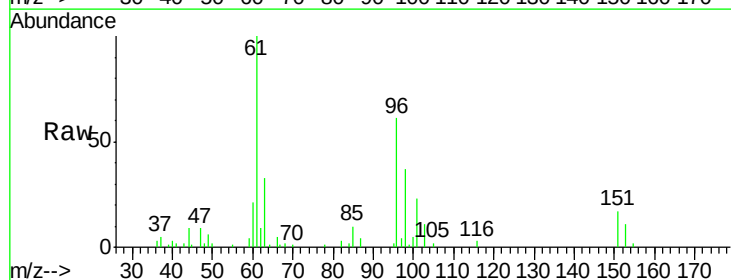
Tgt Ion: 96 Resp: 10302

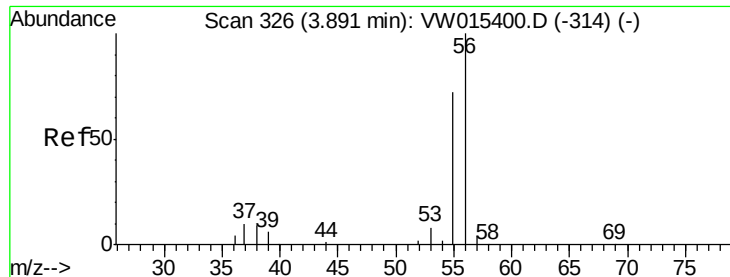
Ion Ratio Lower Upper

96 100

61 163.6 135.8 203.8

98 60.7 48.6 72.8





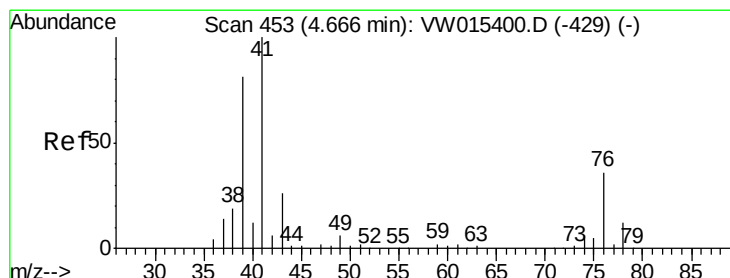
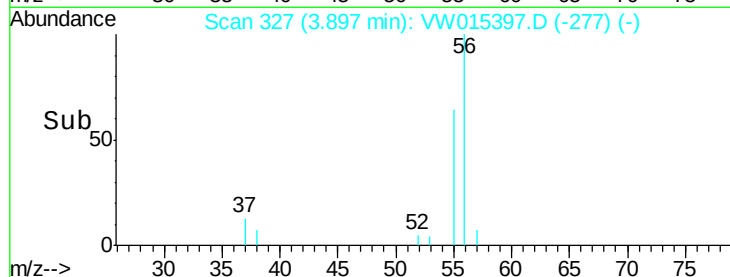
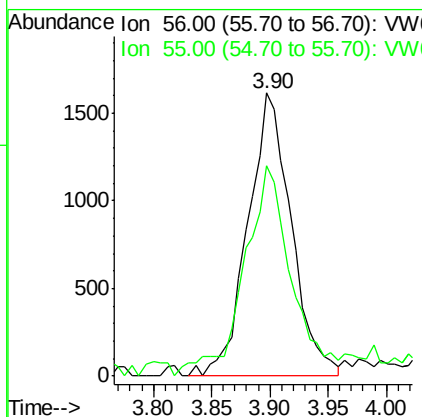
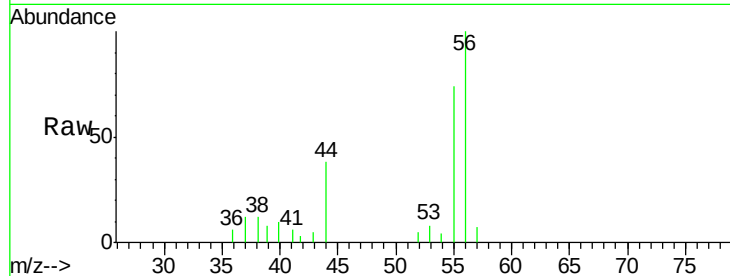
#13
Acrolein
Concen: 45.844 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 4189
Ion Ratio Lower Upper
56 100
55 80.5 56.4 84.6

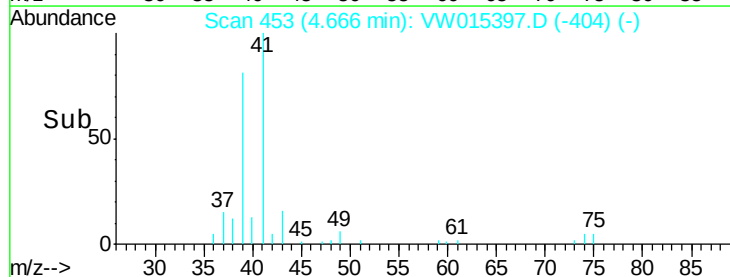
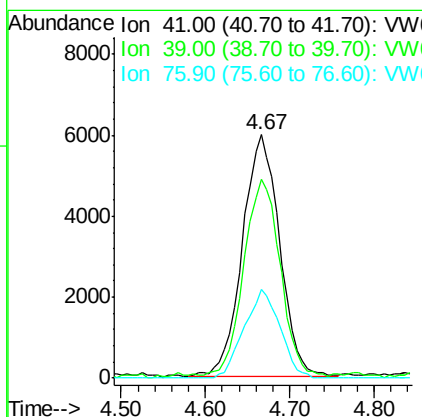
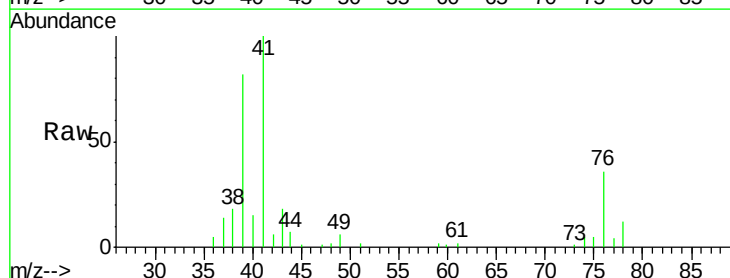
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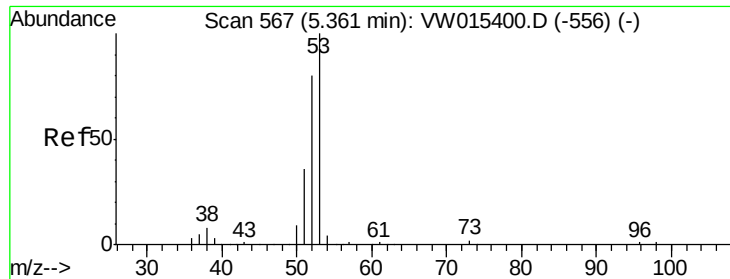
MMDadoda
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#14
Allyl chloride
Concen: 6.858 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion: 41 Resp: 17797
Ion Ratio Lower Upper
41 100
39 82.4 63.6 95.4
76 35.6 28.4 42.6





#15

Acrylonitrile

Concen: 29.214 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.02 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

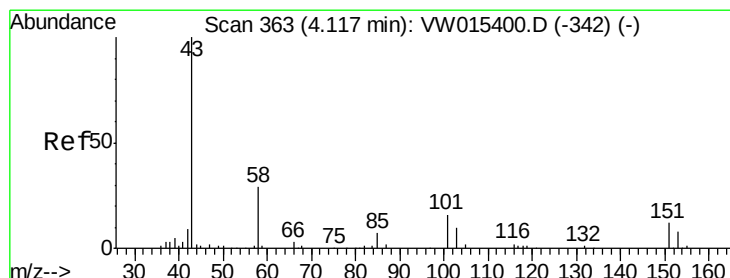
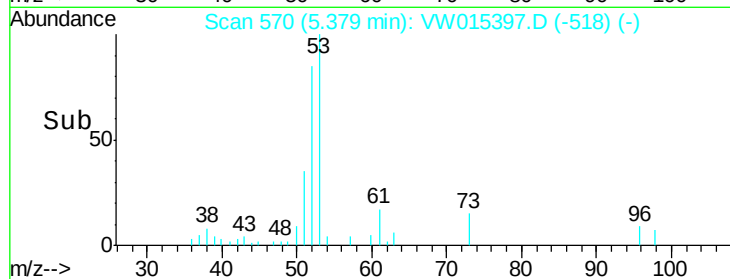
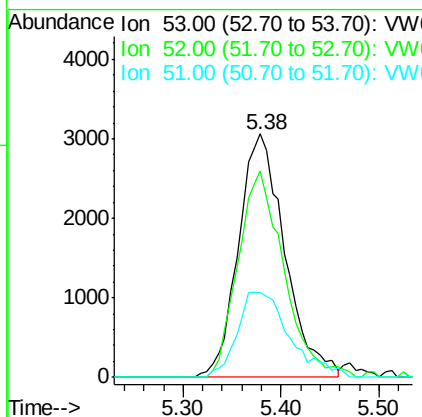
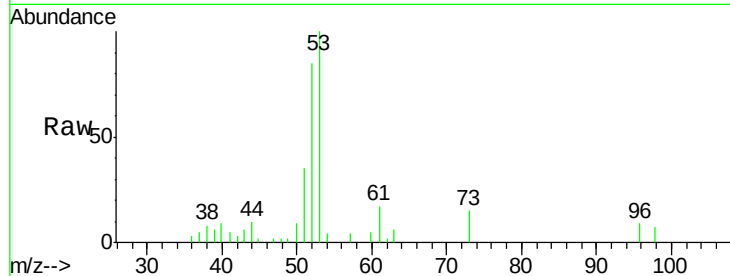
ClientSampled :

VSTDIC005

Tot Ion:	53	Resp:	10089
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.6	99.8
51	39.6	30.2	45.2

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#16

Acetone

Concen: 30.130 ug/l

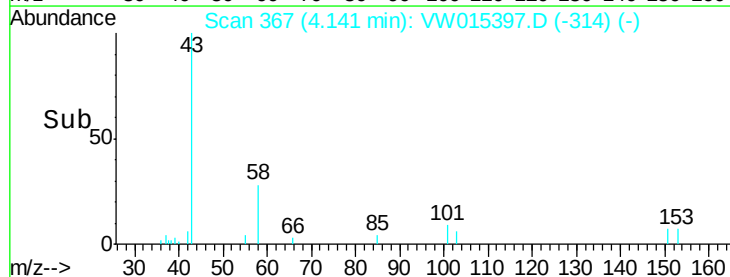
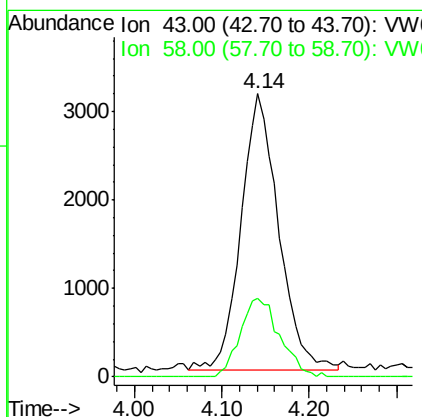
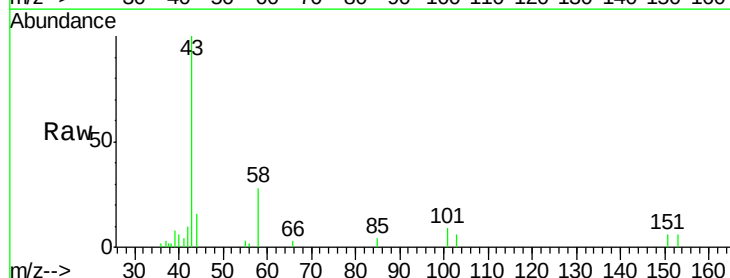
RT: 4.14 min Scan# 367

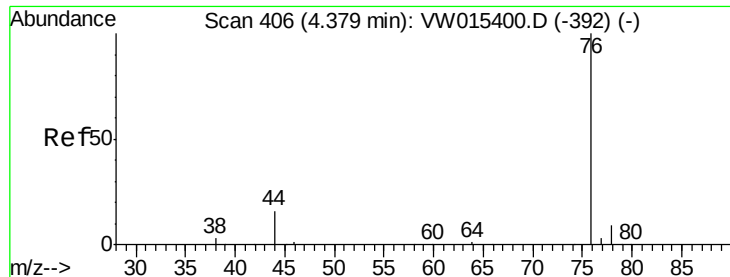
Delta R.T. 0.02 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Tgt Ion:	43	Resp:	9398
Ion	Ratio	Lower	Upper
43	100		
58	28.2	23.4	35.0





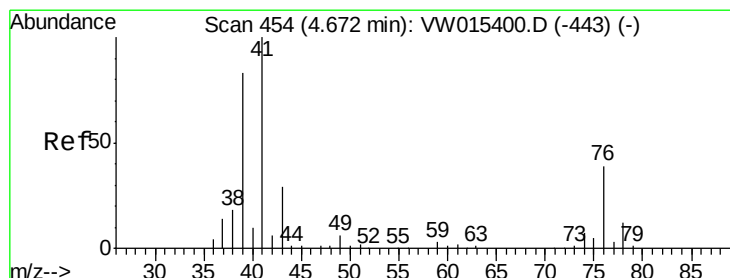
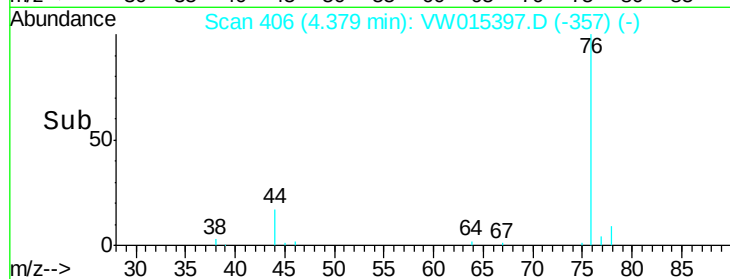
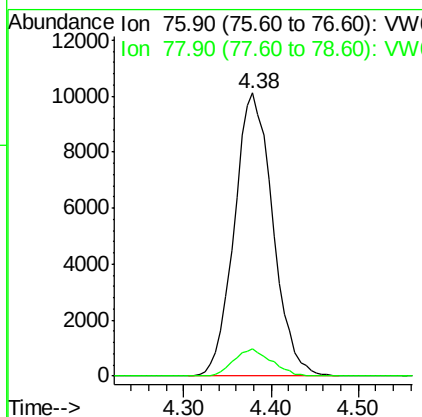
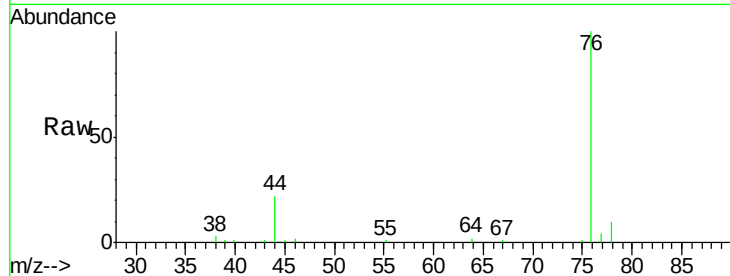
#17
Carbon Disulfide
Concen: 5.594 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	76	Resp	30928
Ion Ratio	Lower	Upper	
76	100		
78	9.9	7.3	10.9

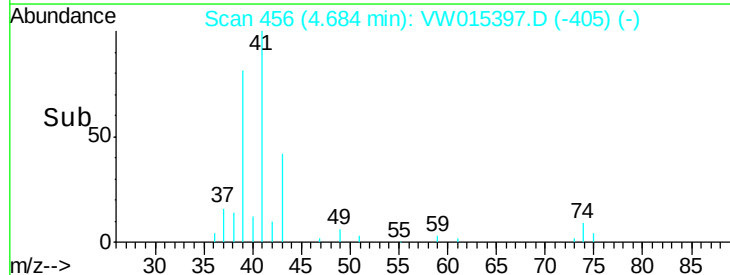
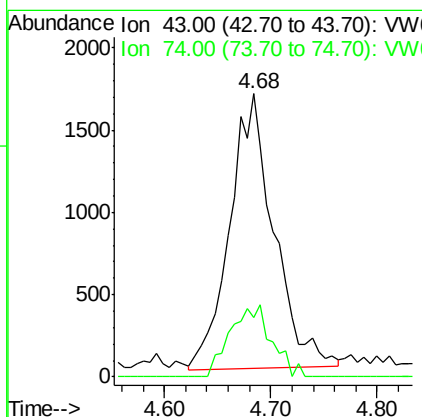
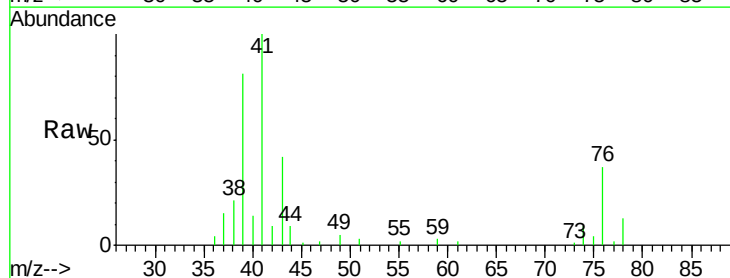
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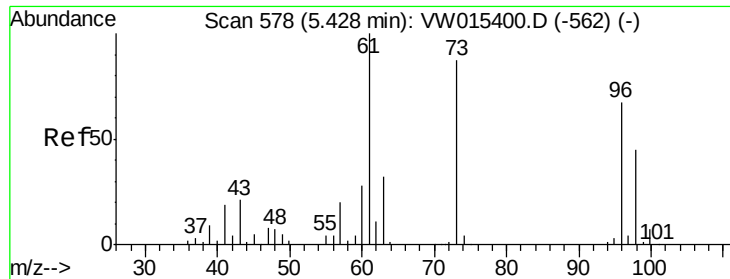
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#18
Methyl Acetate
Concen: 5.829 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion	43	Resp	4847
Ion Ratio	Lower	Upper	
43	100		
74	24.5	18.7	28.1





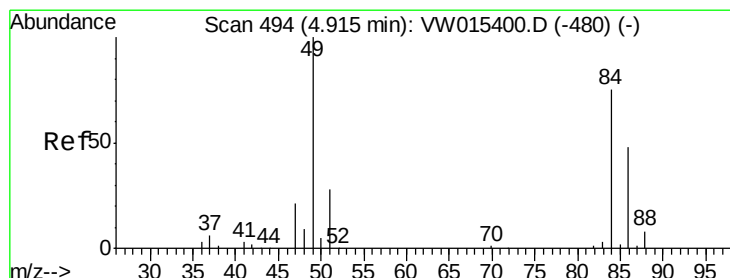
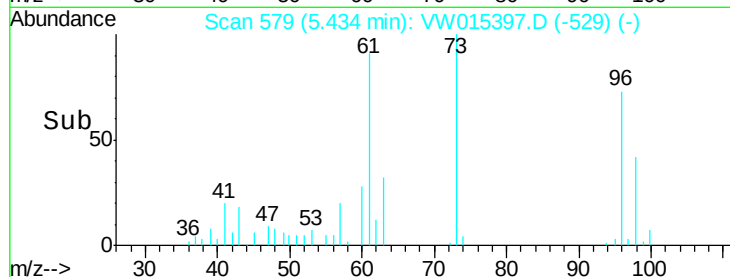
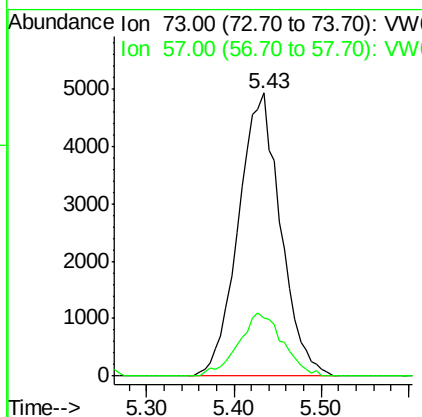
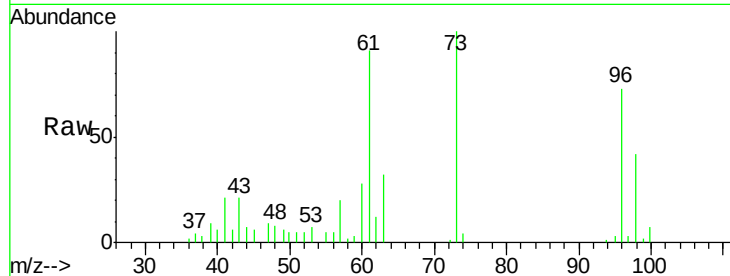
#19
Methyl tert-butyl Ether
Concen: 4.113 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 16537
Ion Ratio Lower Upper
73 100
57 20.4 18.5 27.7

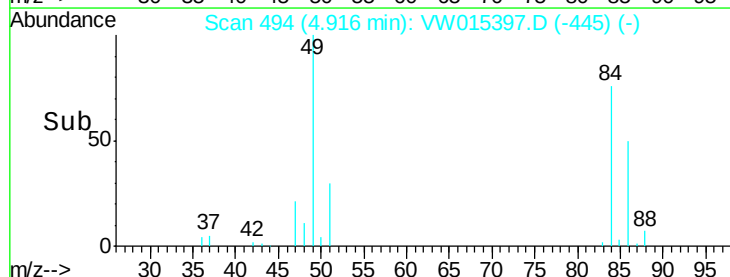
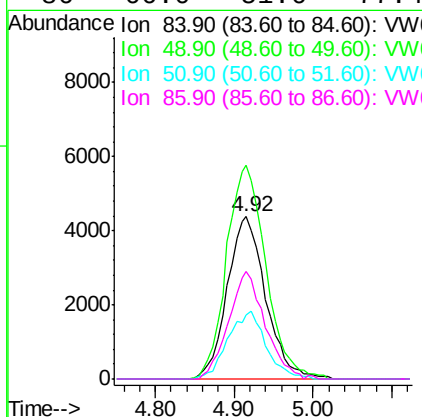
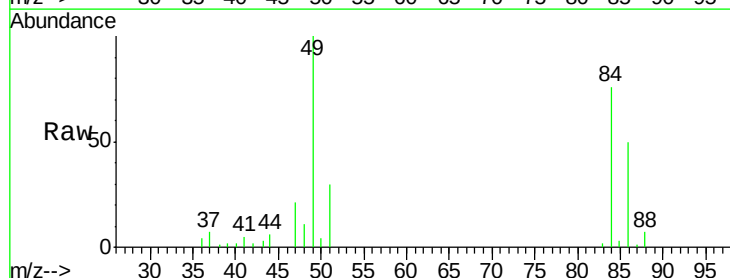
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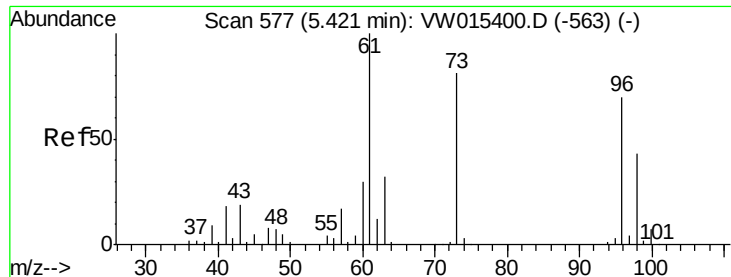
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#20
Methylene Chloride
Concen: 7.331 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion: 84 Resp: 14833
Ion Ratio Lower Upper
84 100
49 131.6 106.4 159.6
51 39.3 30.2 45.2
86 66.0 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 5.637 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

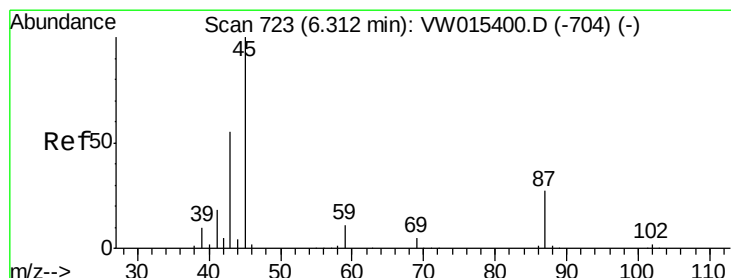
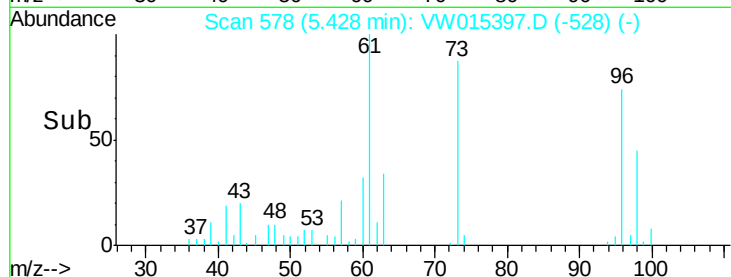
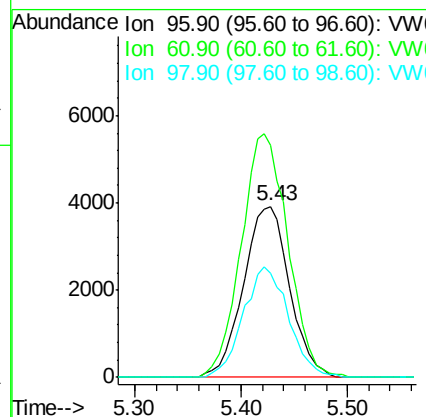
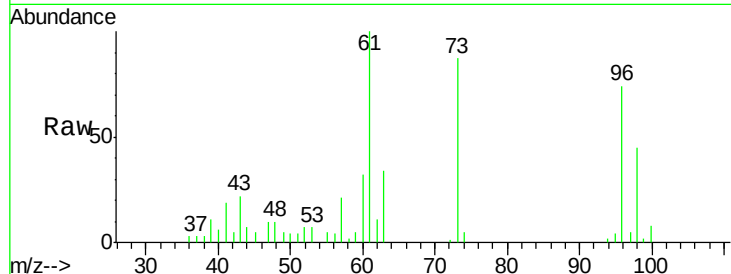
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	11855
Ion	Ratio	Lower	Upper
96	100		
61	135.3	114.9	172.3
98	60.7	49.4	74.0

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#22

Diisopropyl ether

Concen: 6.766 ug/l

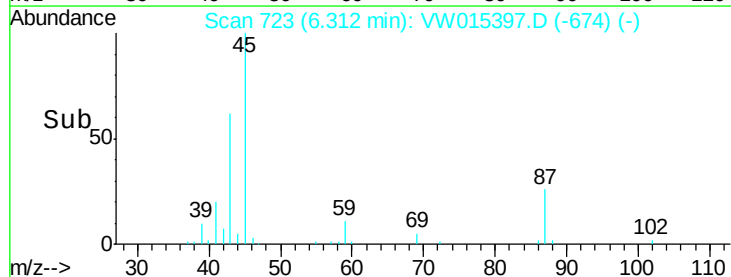
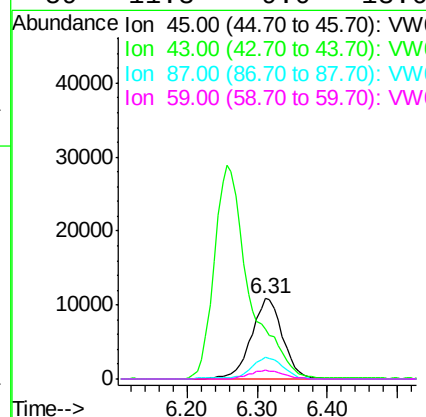
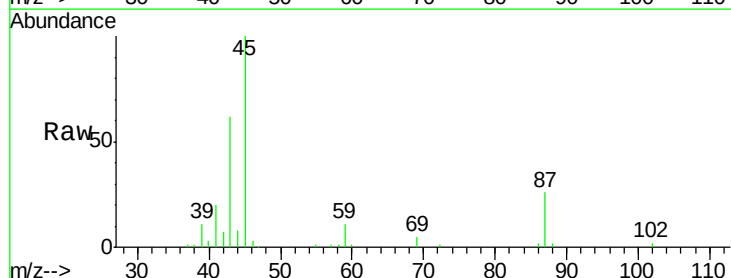
RT: 6.31 min Scan# 723

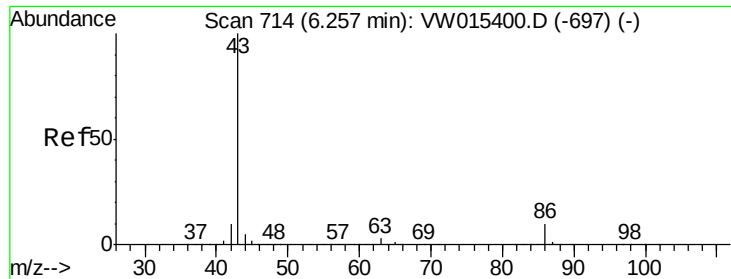
Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Tgt Ion:	45	Resp:	33878
Ion	Ratio	Lower	Upper
45	100		
43	60.8	44.2	66.4
87	26.4	21.6	32.4
59	11.3	9.0	13.6





#23

Vinyl Acetate

Concen: 33.754 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 100082

Ion Ratio Lower Upper

43 100

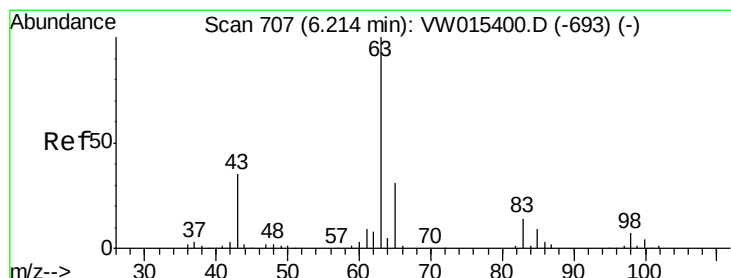
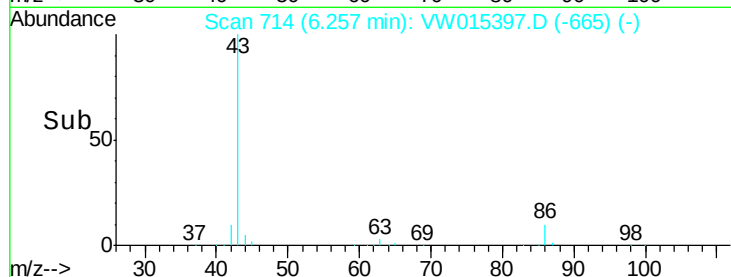
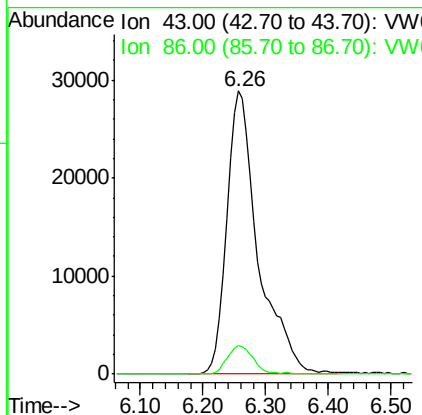
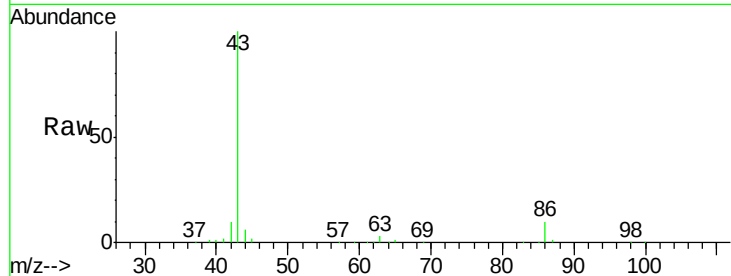
86 9.9 8.1 12.1

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#24

1,1-Dichloroethane

Concen: 6.207 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

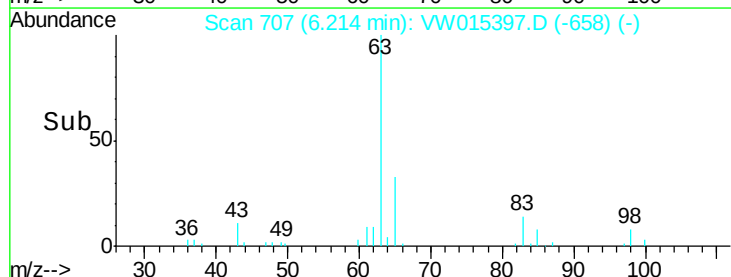
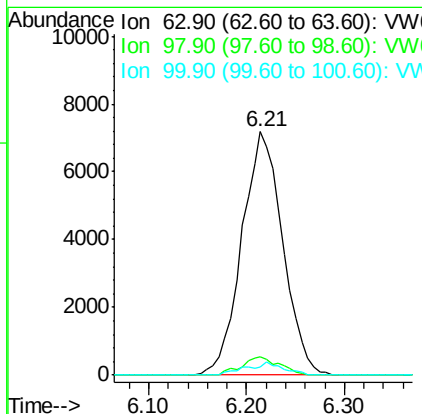
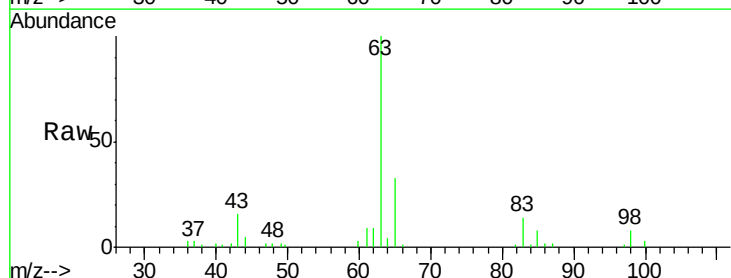
Tgt Ion: 63 Resp: 20899

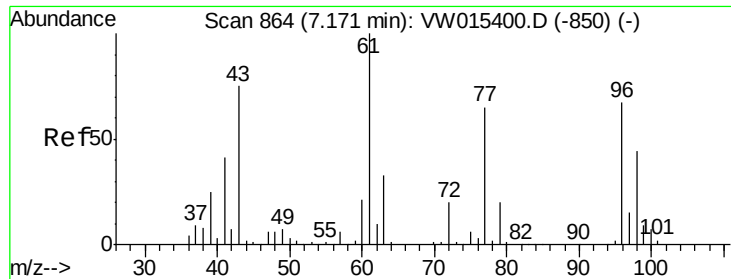
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.4

100 3.3 2.1 6.5





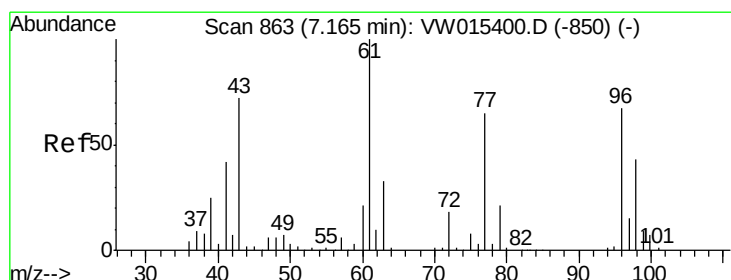
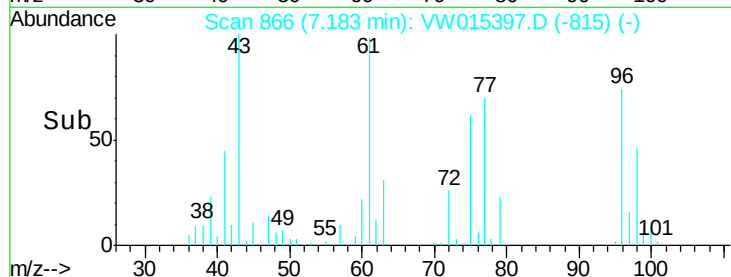
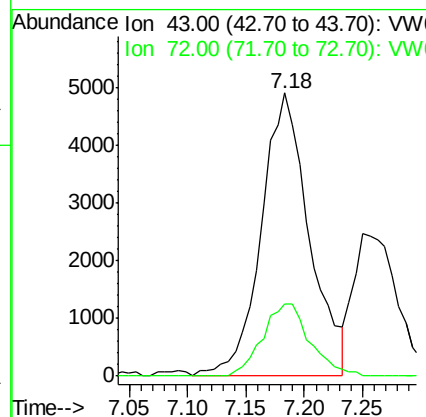
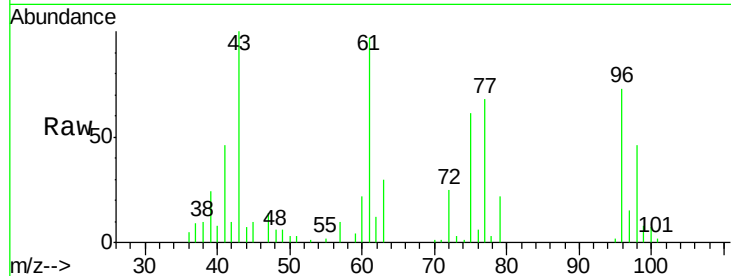
#25
2-Butanone
Concen: 32.708 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 14053
Ion Ratio Lower Upper
43 100
72 25.4 21.4 32.0

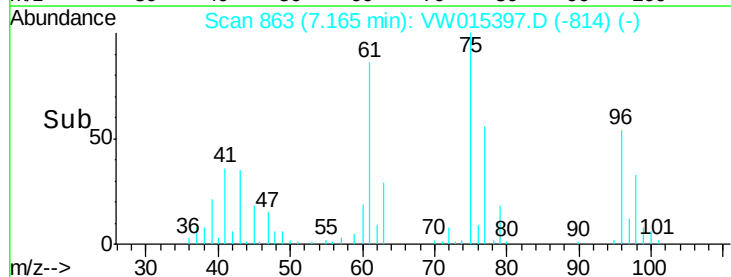
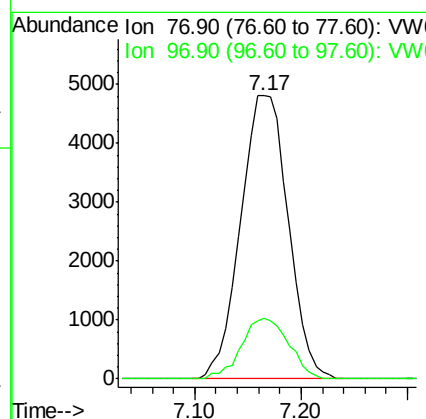
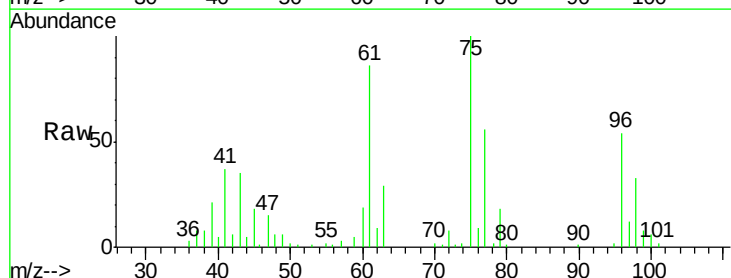
Manual Integrations
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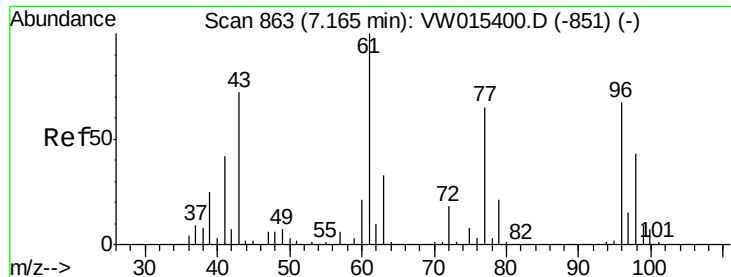
MMDadoda
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#26
2,2-Dichloropropane
Concen: 4.584 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion: 77 Resp: 15052
Ion Ratio Lower Upper
77 100
97 21.3 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 5.431 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

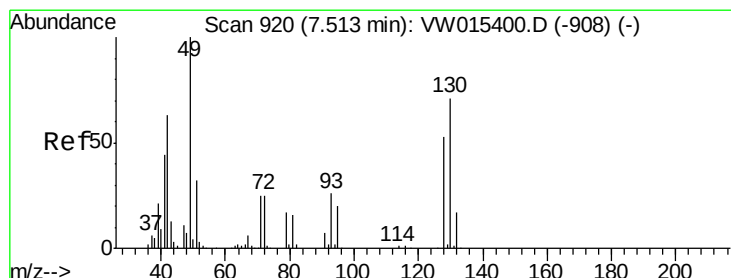
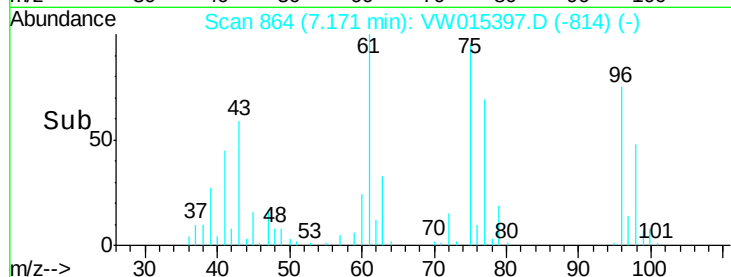
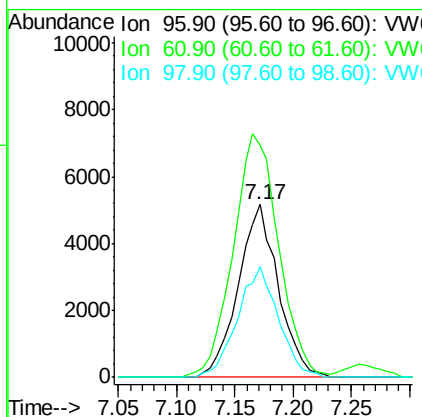
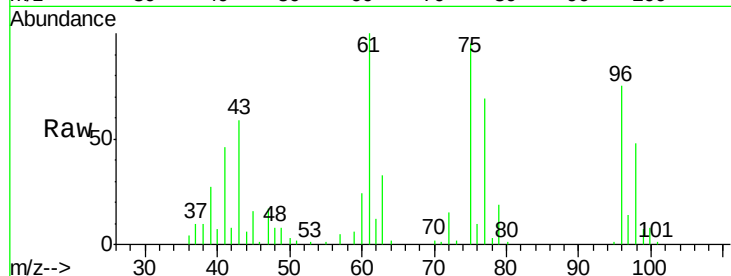
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	12355
Ion	Ratio	Lower	Upper
96	100		
61	159.5	0.0	304.6
98	65.4	0.0	129.2

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#28

Bromochloromethane

Concen: 6.645 ug/l

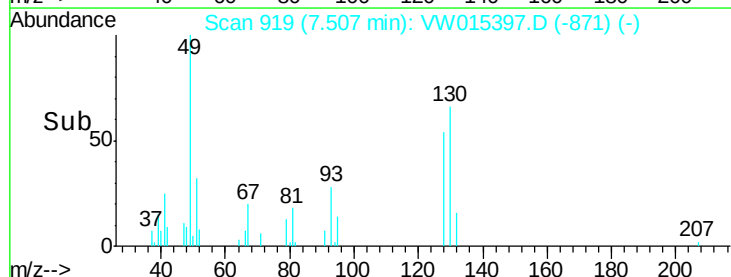
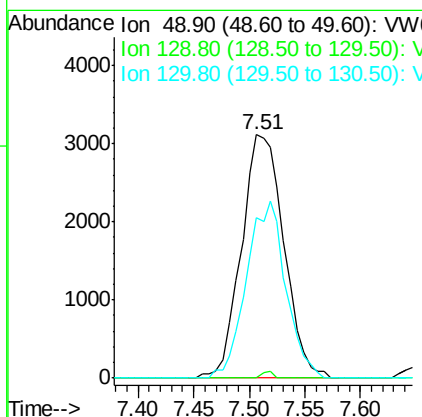
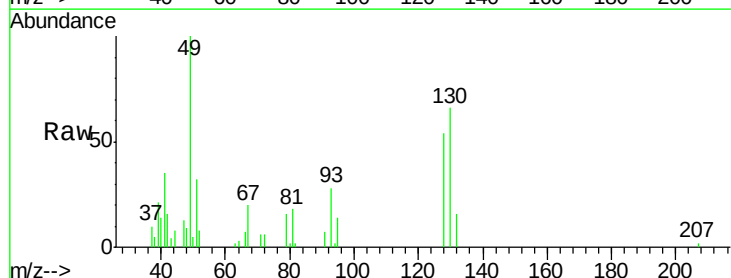
RT: 7.51 min Scan# 919

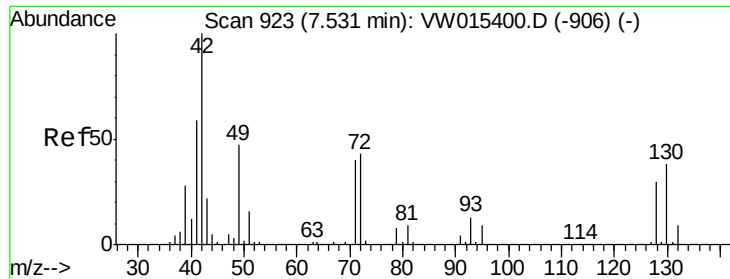
Delta R.T. -0.01 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Tgt Ion:	49	Resp:	8248
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.0
130	67.5	57.0	85.4





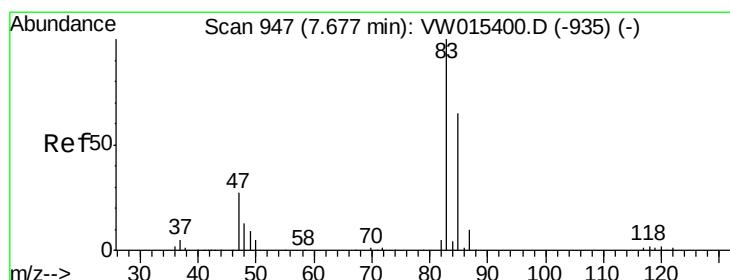
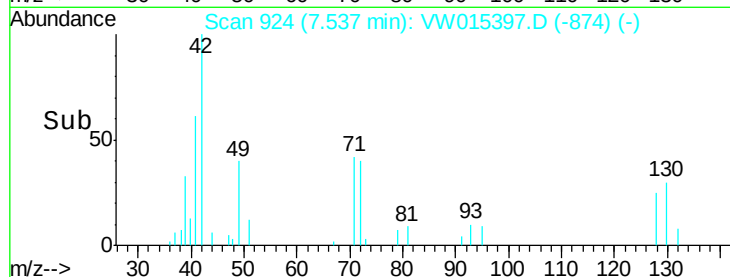
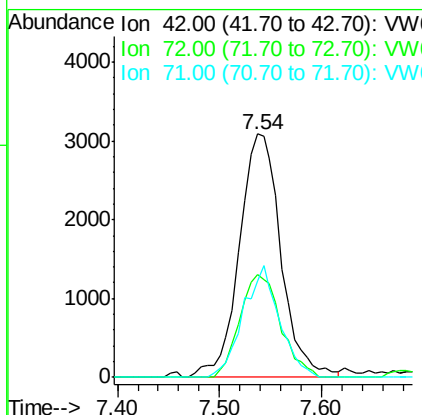
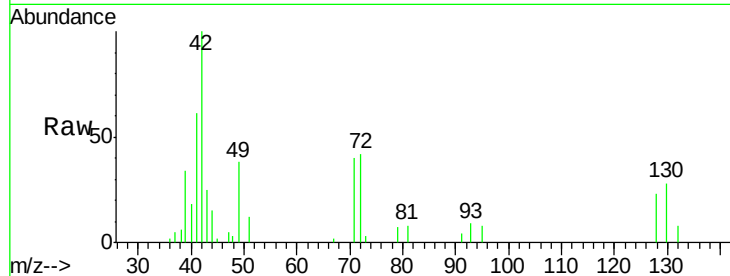
#29
Tetrahydrofuran
Concen: 32.264 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.6	50.4
71	40.1	32.1	48.1

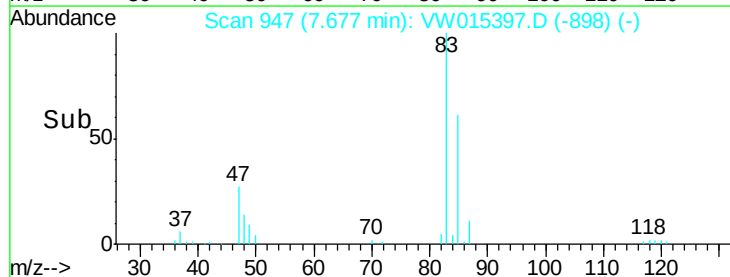
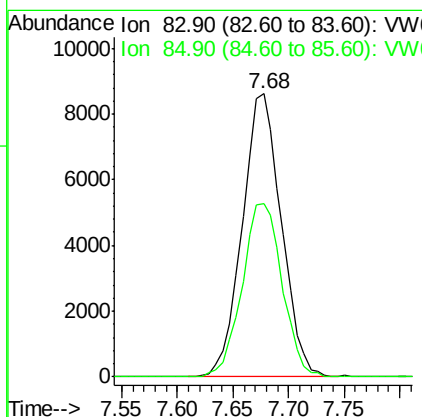
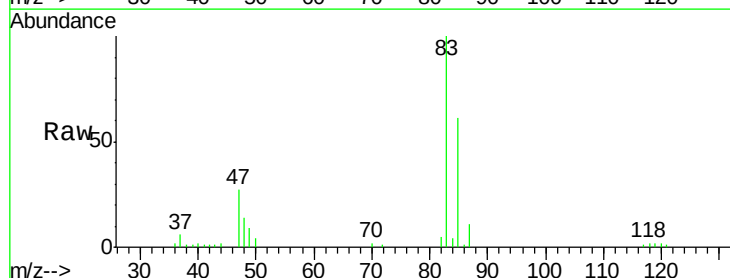
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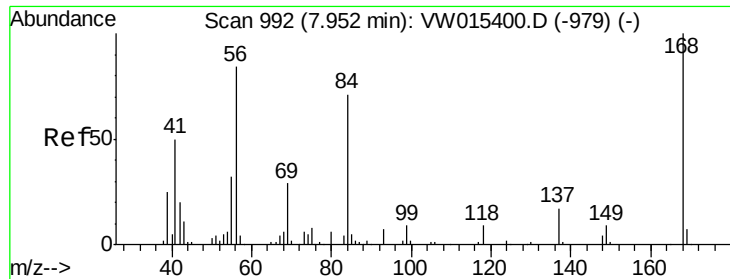
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#30
Chloroform
Concen: 5.886 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.8	77.6





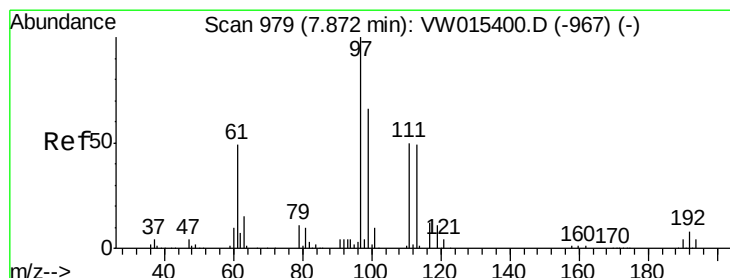
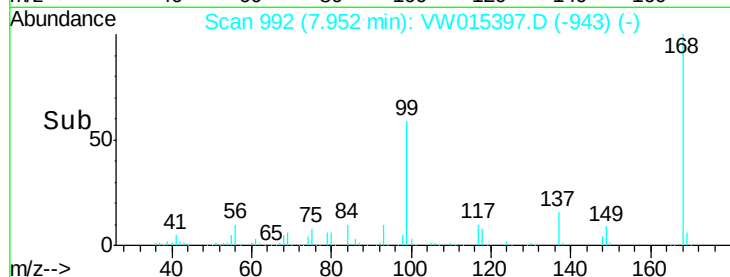
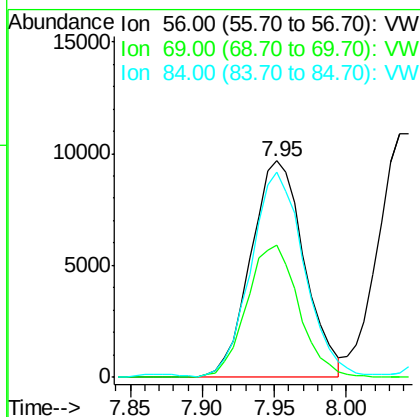
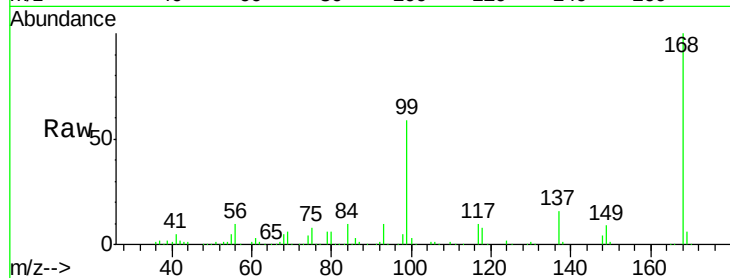
#31
Cyclohexane
Concen: 7.360 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	60.9	27.2	40.8#
84	93.7	67.7	101.5

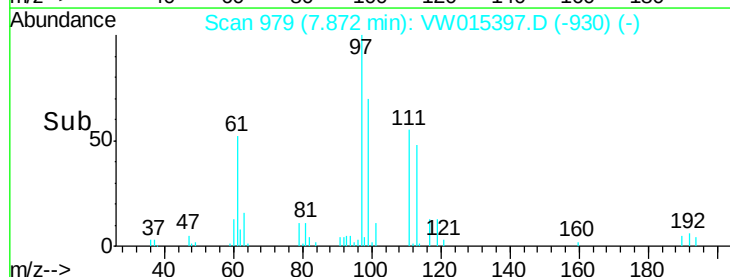
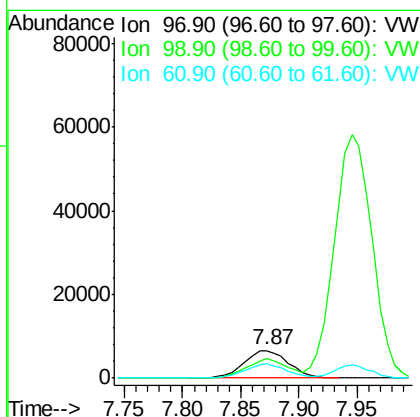
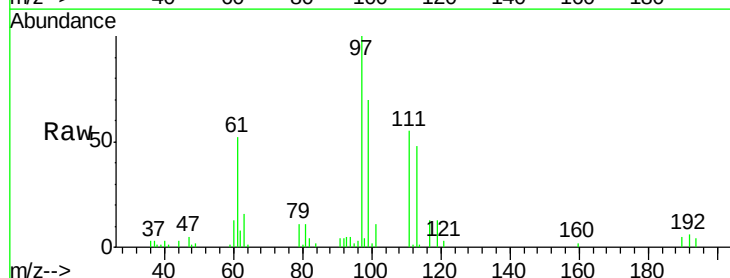
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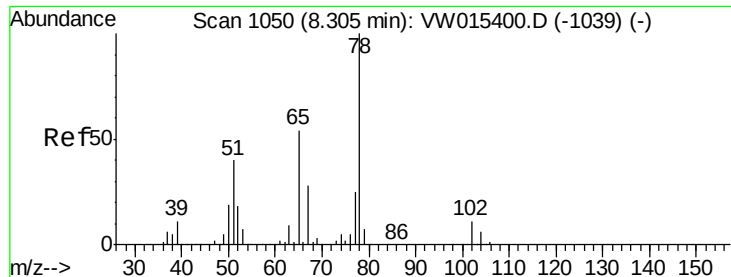
MMDadoda
5/6/2020 12:11:48 PM



#32
1,1,1-Trichloroethane
Concen: 5.170 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	50.7	76.1
61	48.3	38.0	57.0





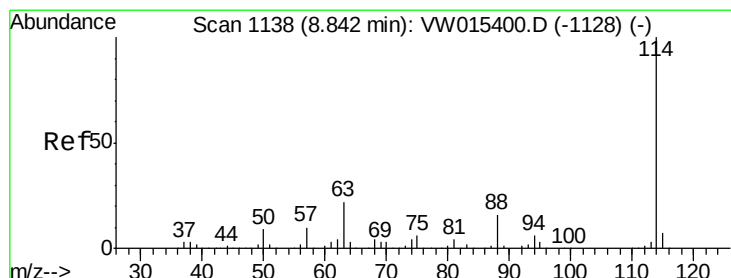
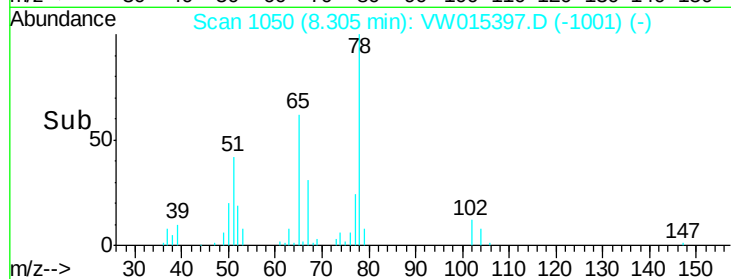
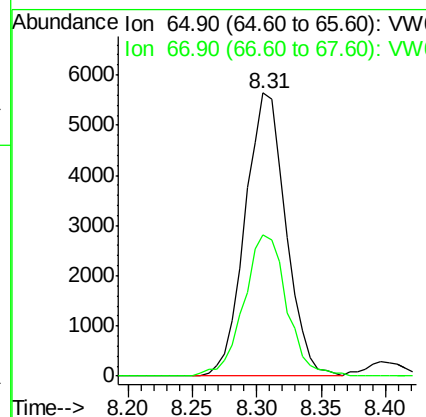
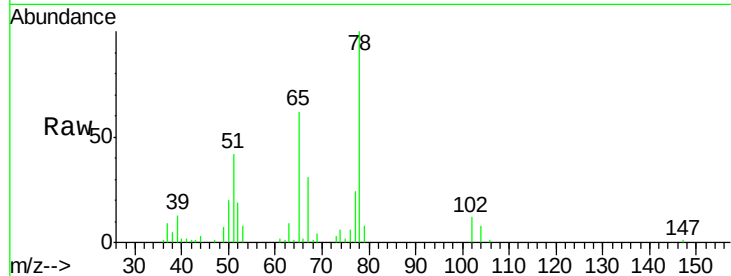
#33
 1,2-Dichloroethane-d4
 Concen: 6.744 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	12315		
67	52.7	0.0	102.8	

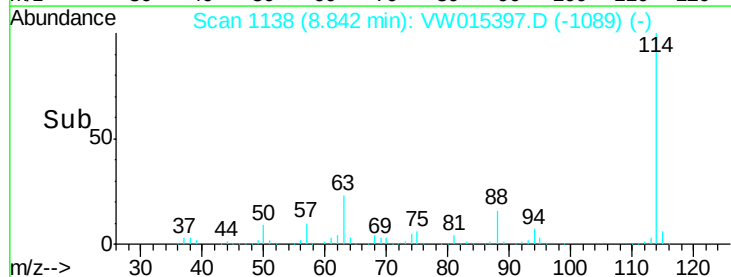
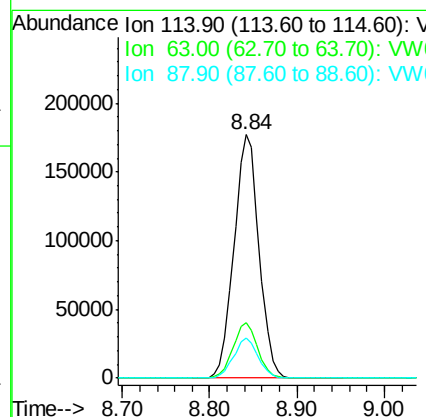
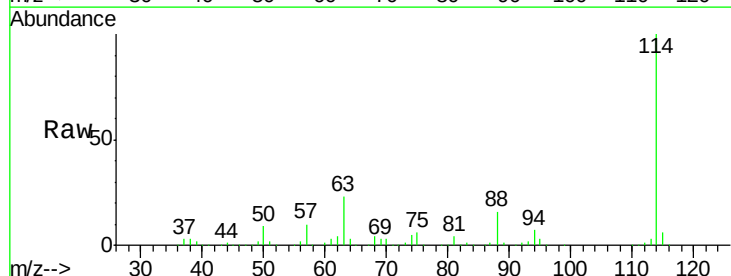
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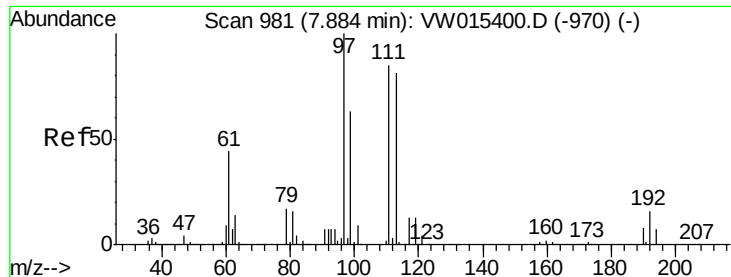
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	351199		
63	22.9	0.0	43.4	
88	16.4	0.0	31.8	





#35

Dibromofluoromethane

Concen: 5.422 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

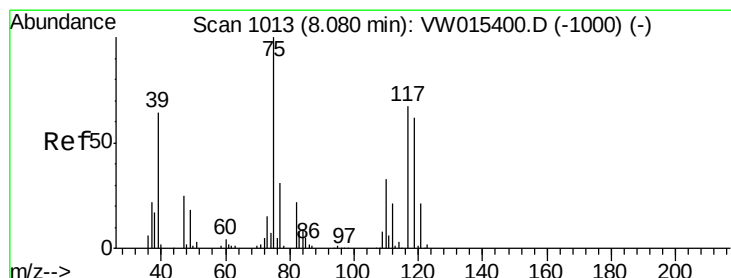
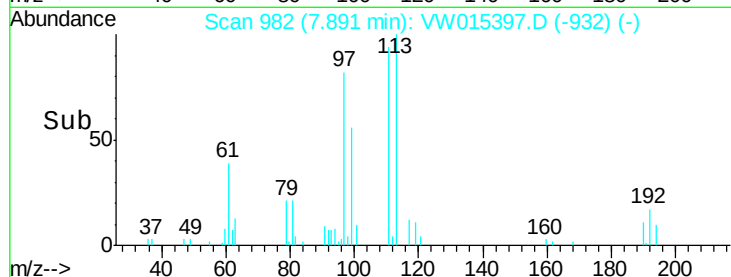
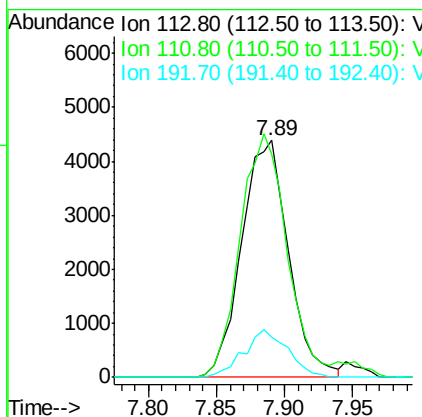
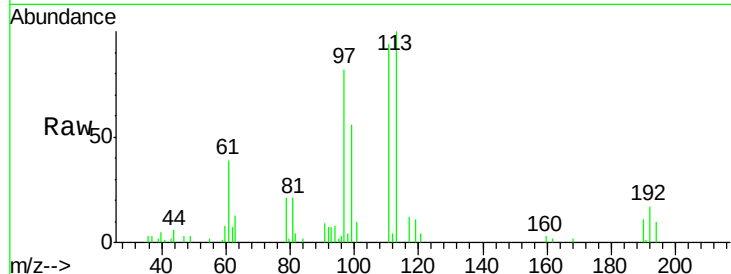
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	10596
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.9	124.3
192	18.8	15.4	23.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 5.344 ug/l

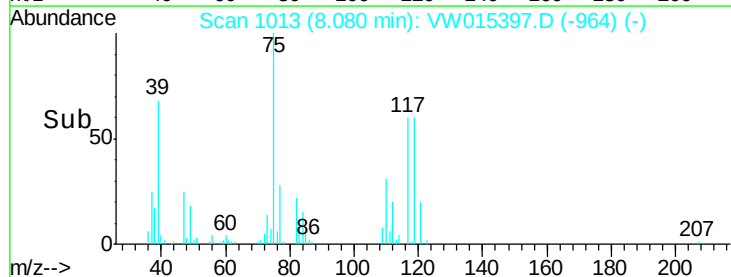
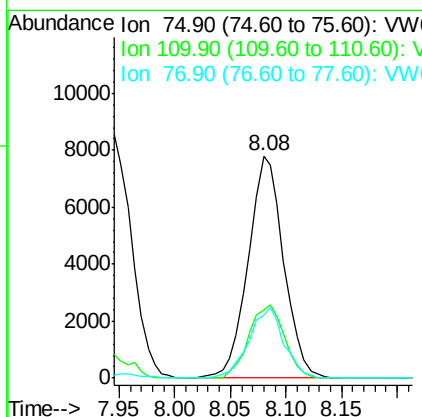
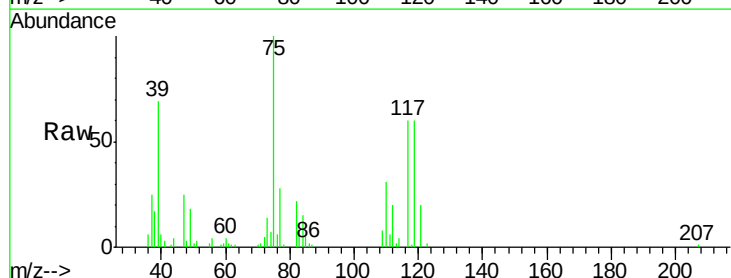
RT: 8.08 min Scan# 1013

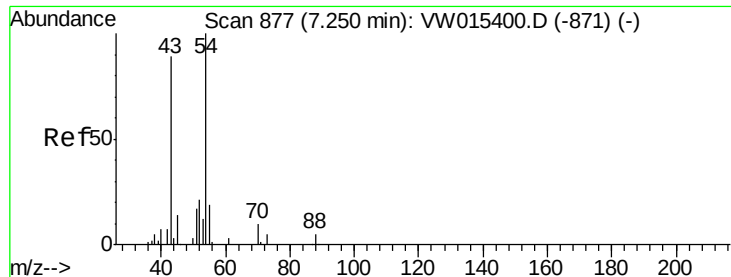
Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Tgt Ion:	75	Resp:	17304
Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.8
77	31.3	24.5	36.7





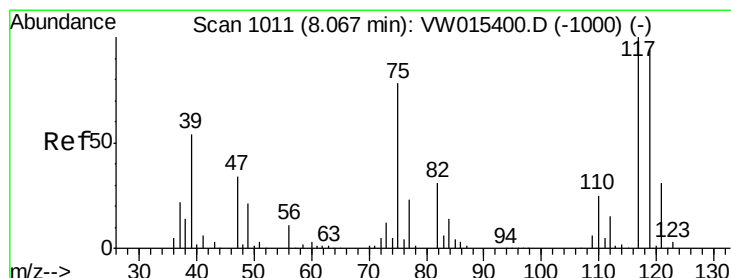
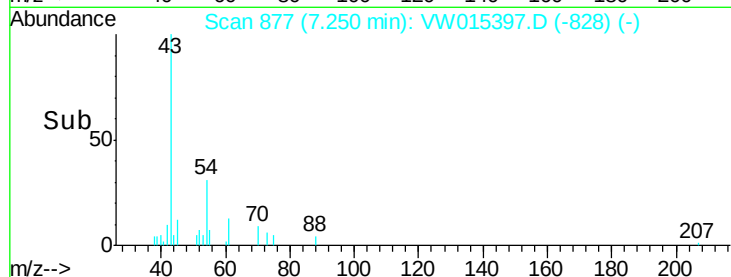
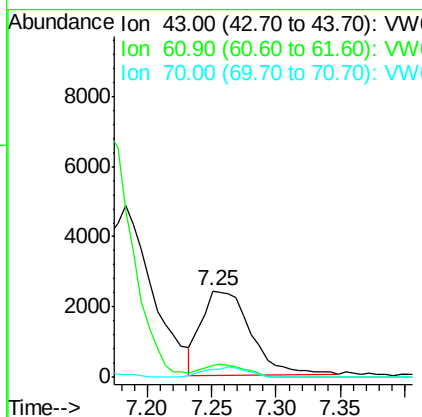
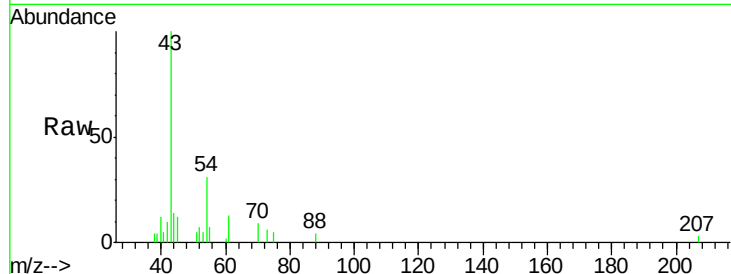
#37
Ethyl Acetate
Concen: 5.898 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.2
70	10.4	8.0	12.0

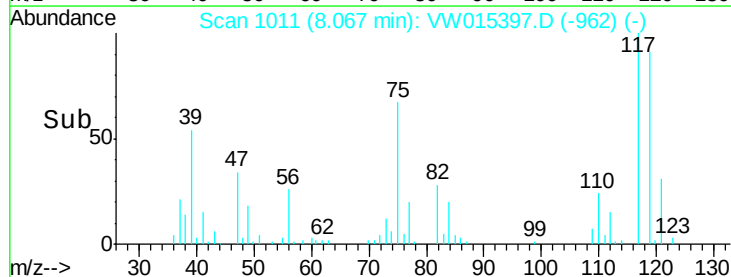
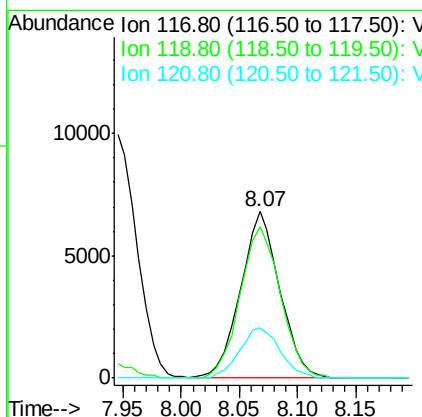
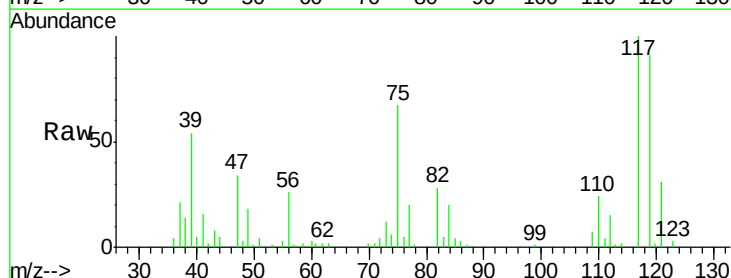
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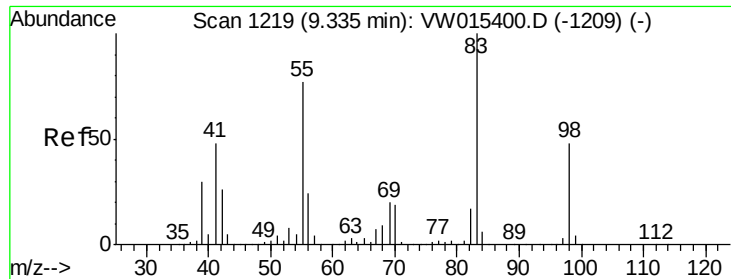
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#38
Carbon Tetrachloride
Concen: 4.608 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.0	75.4	113.0
121	30.5	24.8	37.2





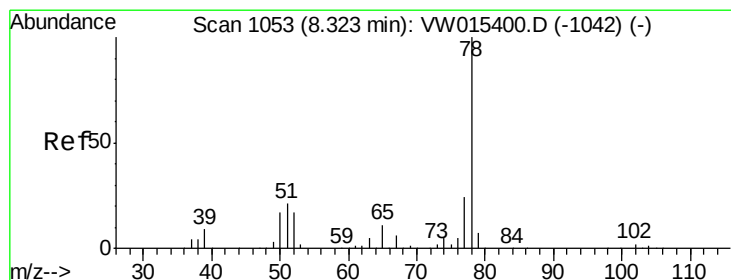
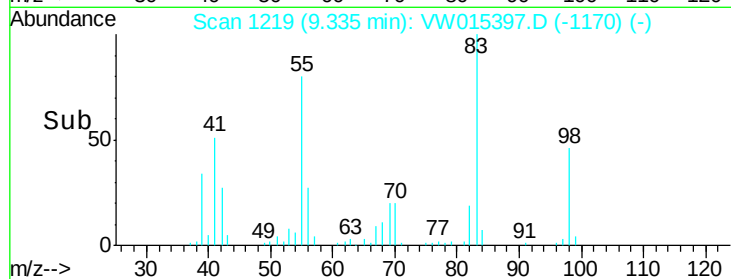
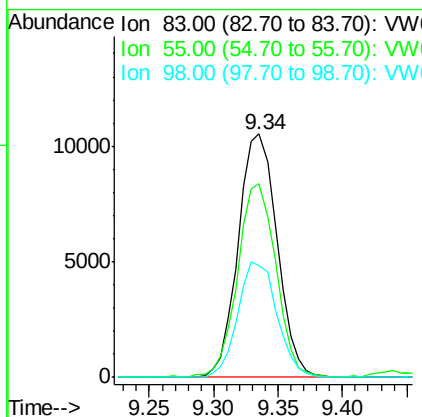
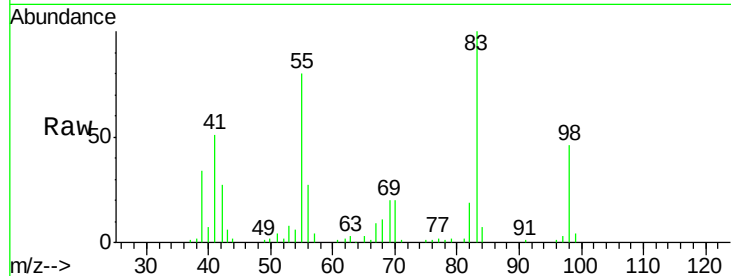
#39
Methylvlcyclohexane
Concen: 5.155 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion:	83	Resp:	22029
Ion	Ratio	Lower	Upper
83	100		
55	79.5	61.9	92.9
98	46.0	38.2	57.2

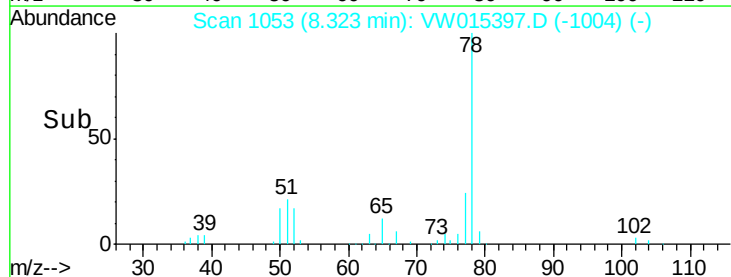
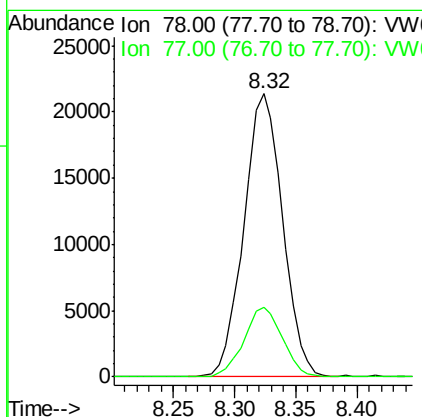
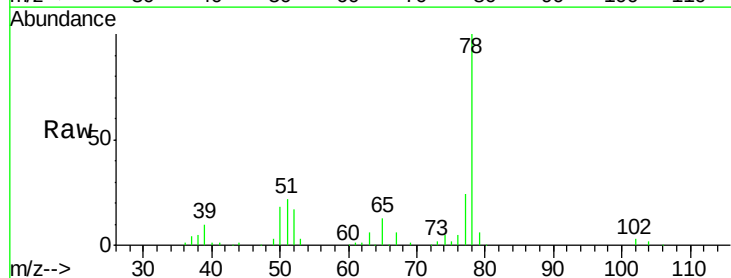
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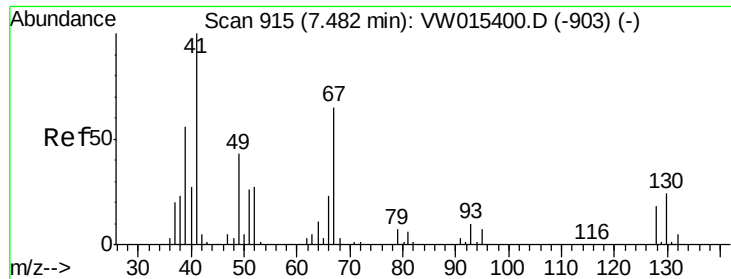
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#40
Benzene
Concen: 5.458 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion:	78	Resp:	47169
Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.4





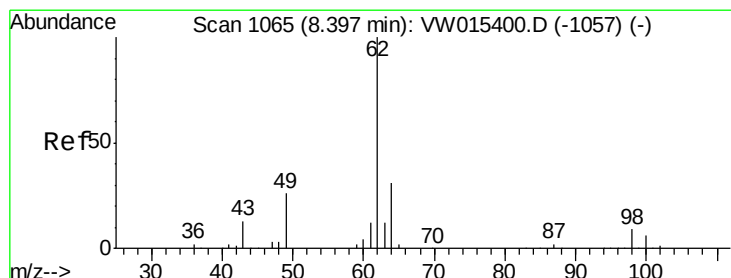
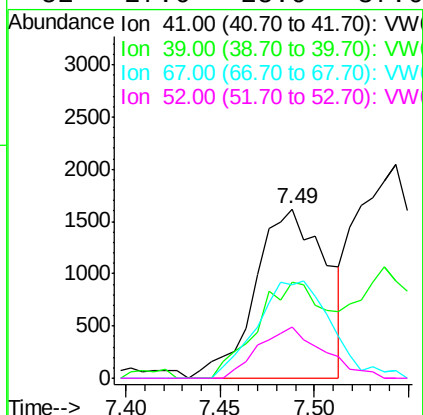
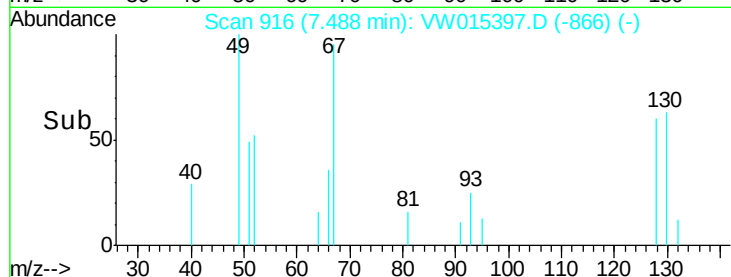
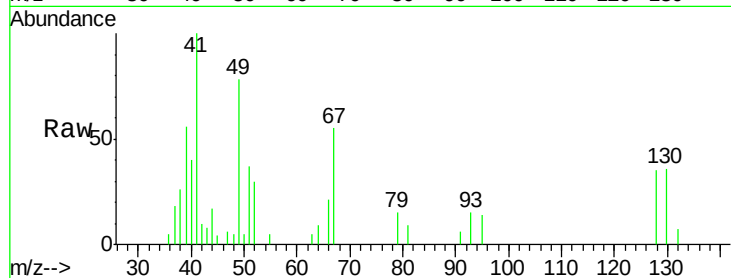
#41
Methacrylonitrile
Concen: 6.422 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	4232
Ion	Ratio	Lower	Upper
41	100		
39	56.8	46.2	69.4
67	60.3	56.2	84.2
52	27.6	25.0	37.6

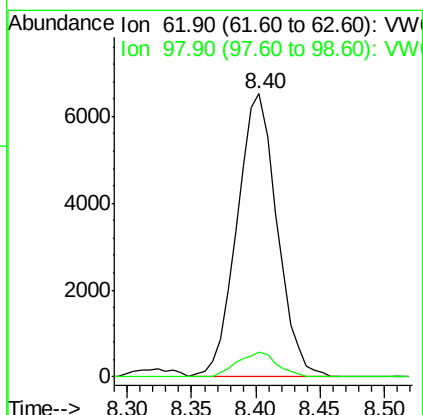
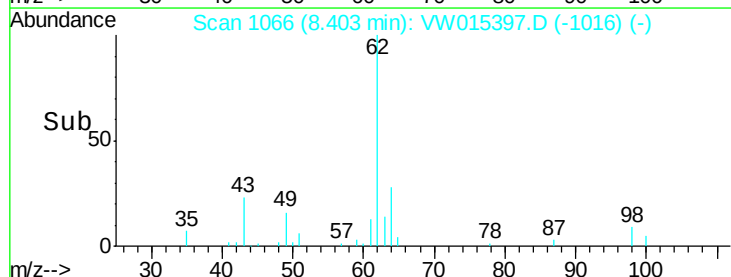
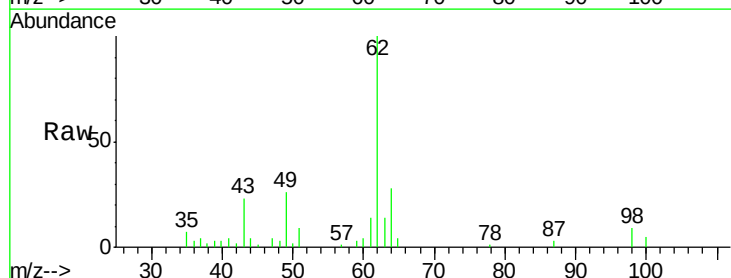
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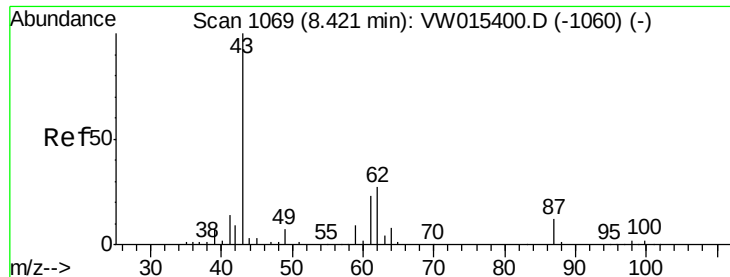
MMDadoda
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#42
1,2-Dichloroethane
Concen: 5.469 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion:	62	Resp:	14058
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.6





#43

Isopropyl Acetate

Concen: 6.017 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

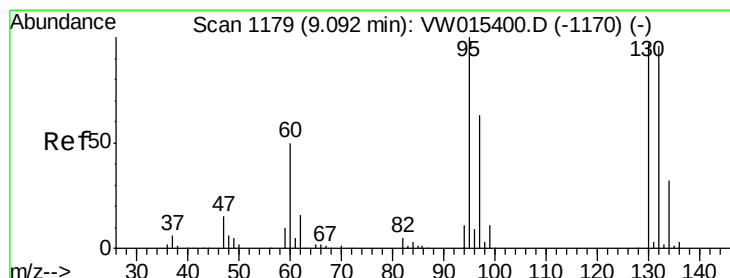
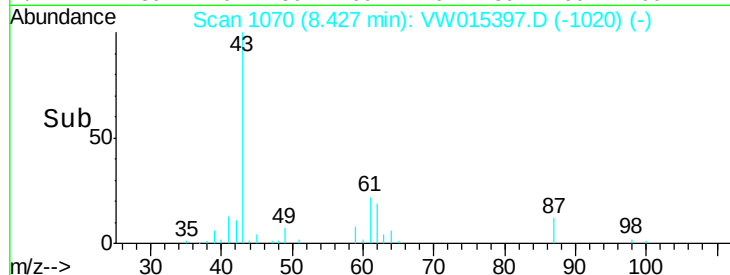
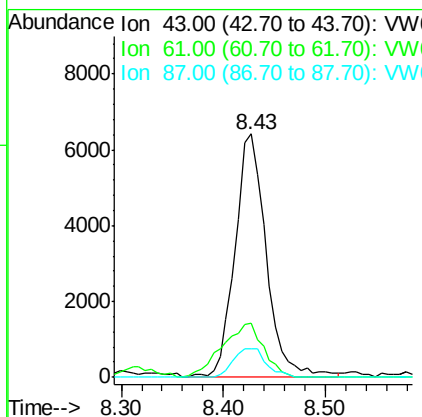
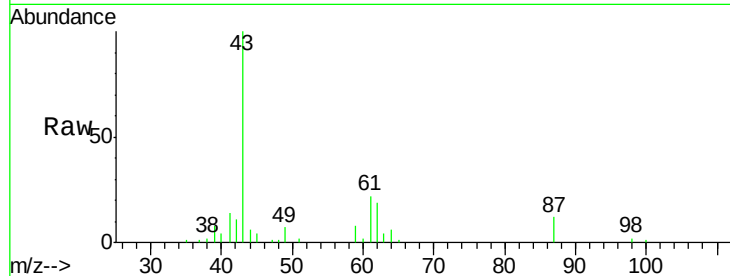
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	13674
Ion	Ratio	Lower	Upper
43	100		
61	29.4	24.3	36.5
87	12.4	10.1	15.1

Manual Integrations
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5/6/2020 12:11:48 PM



#44

Trichloroethene

Concen: 4.657 ug/l

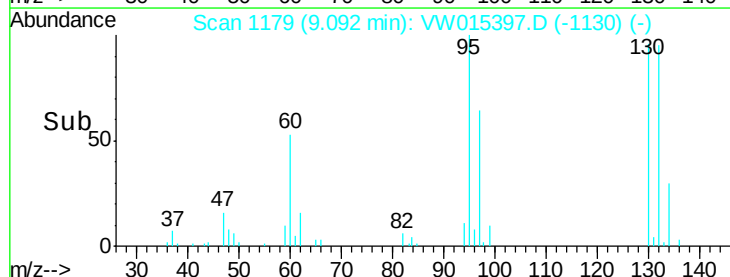
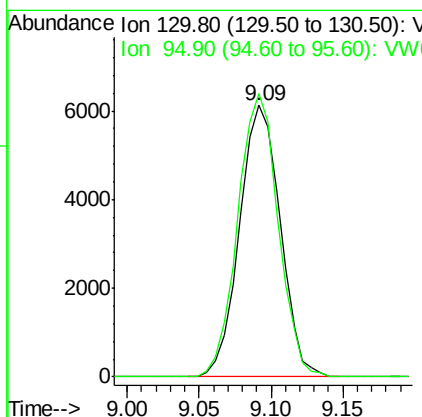
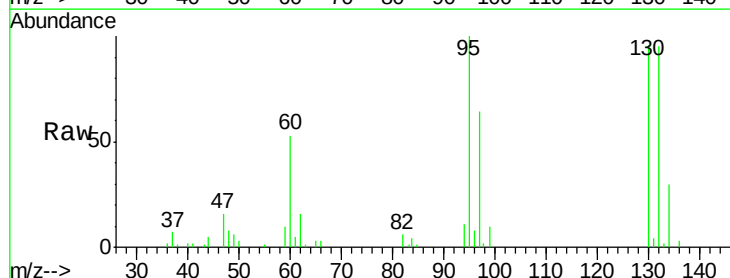
RT: 9.09 min Scan# 1179

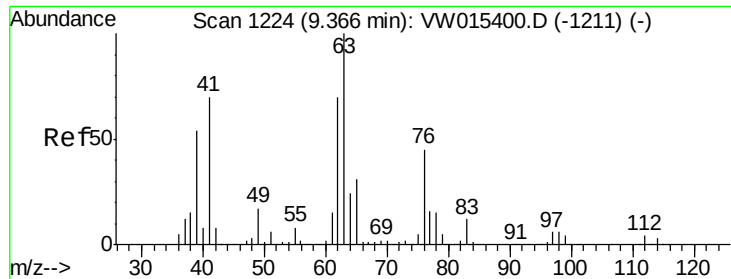
Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Tgt Ion:	130	Resp:	12014
Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	205.8





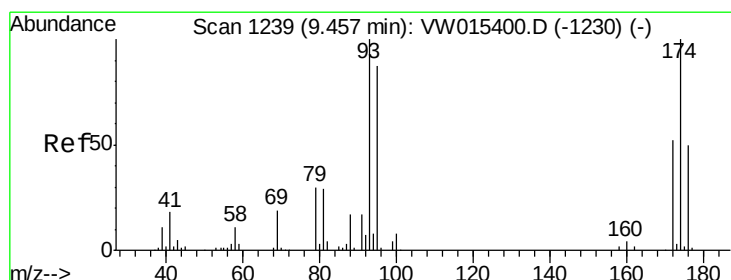
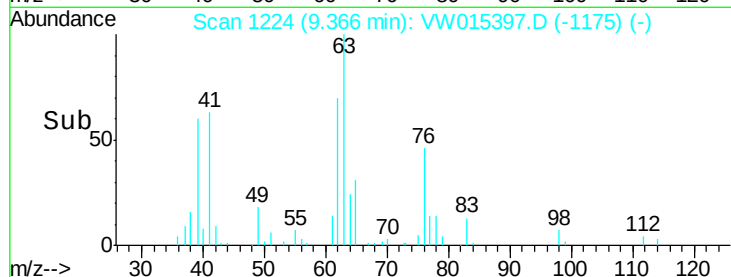
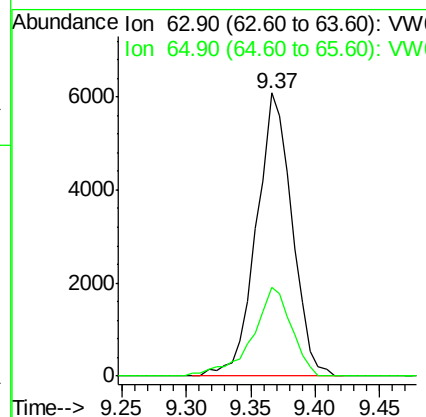
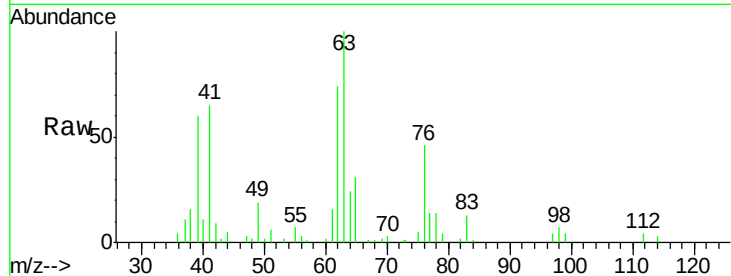
#45
 1,2-Dichloropropane
 Concen: 5.708 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion: 63 Resp: 11618
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6

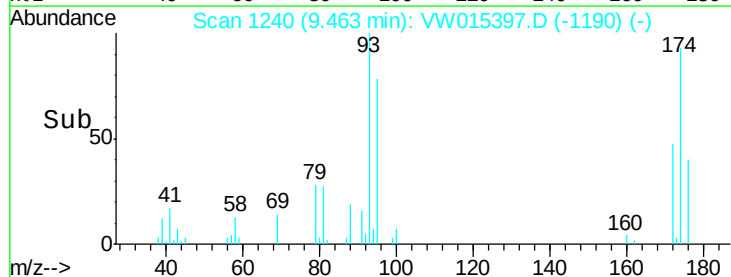
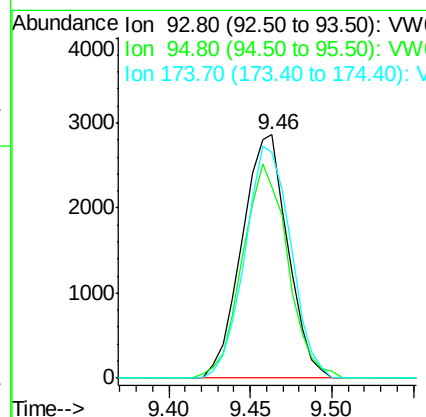
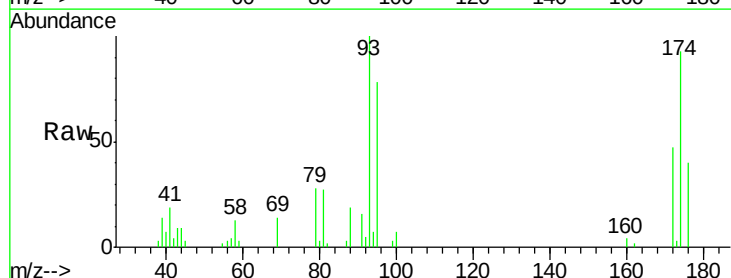
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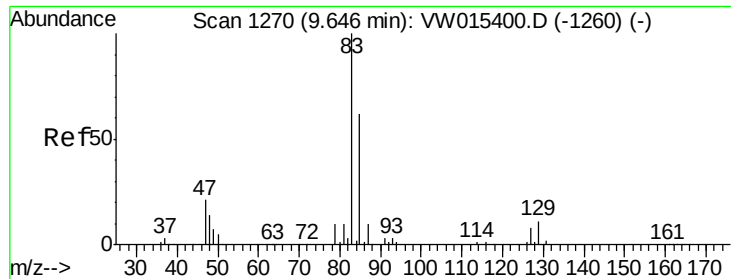
MMDadoda
 5/6/2020 12:11:48 PM



#46
 Dibromomethane
 Concen: 4.867 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Tgt Ion: 93 Resp: 5597
 Ion Ratio Lower Upper
 93 100
 95 87.0 67.0 100.4
 174 95.2 78.4 117.6





#47

Bromodichloromethane

Concen: 4.846 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

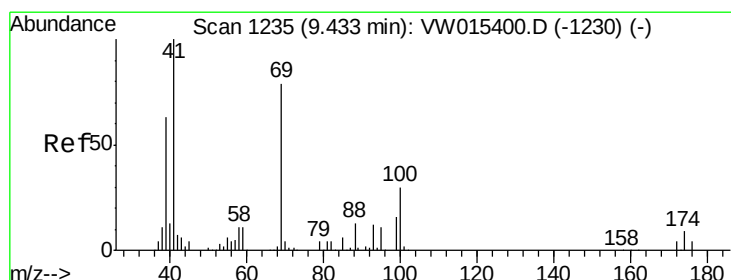
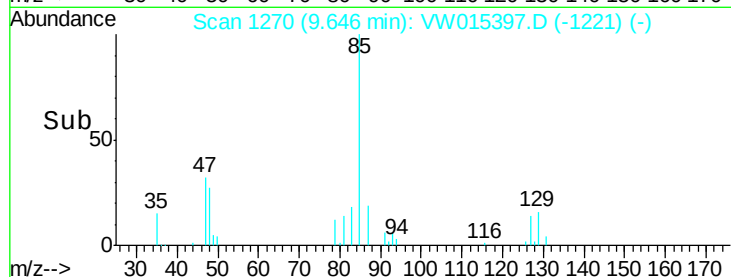
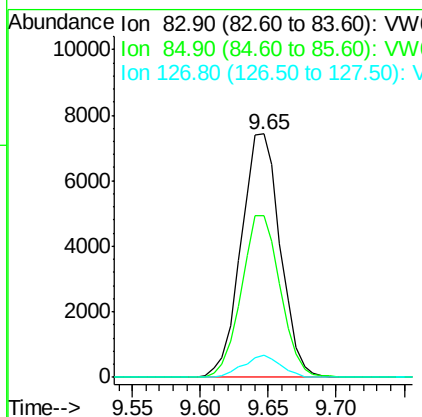
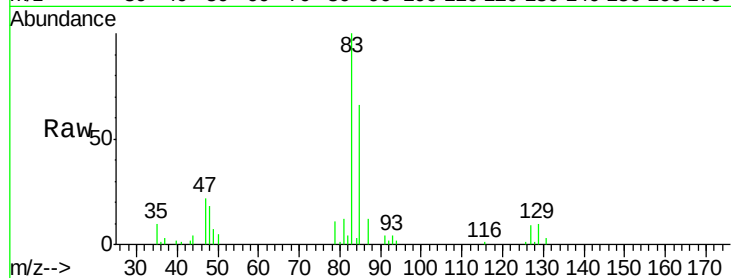
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	14953
Ion	Ratio	Lower	Upper
83	100		
85	66.3	49.4	74.0
127	9.2	6.4	9.6

Manual Integrations
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5/6/2020 12:11:48 PM



#48

Methyl methacrylate

Concen: 5.479 ug/l

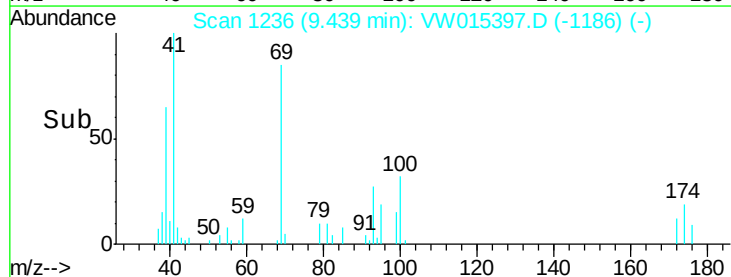
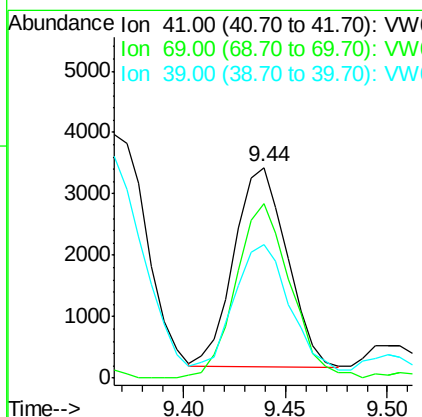
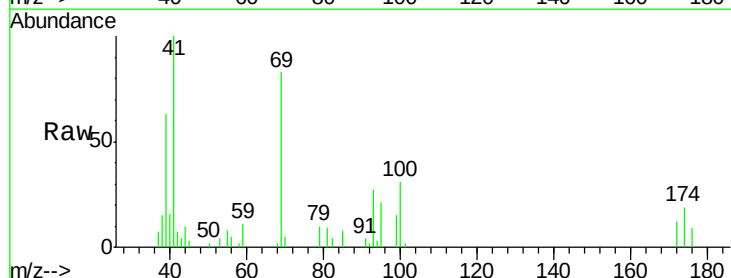
RT: 9.44 min Scan# 1236

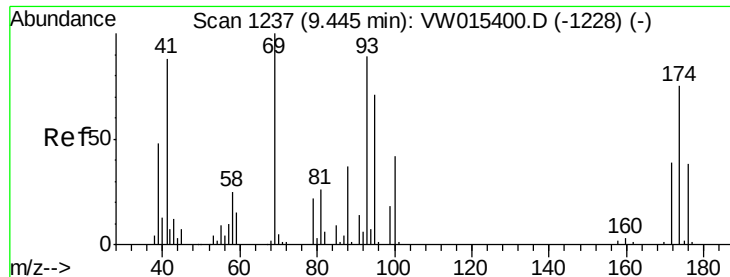
Delta R.T. 0.01 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Tgt Ion:	41	Resp:	5858
Ion	Ratio	Lower	Upper
41	100		
69	89.5	66.2	99.4
39	74.9	51.1	76.7





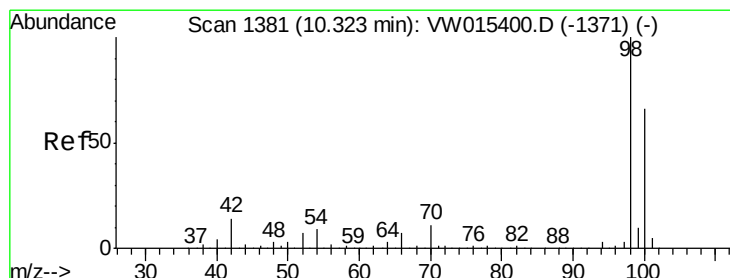
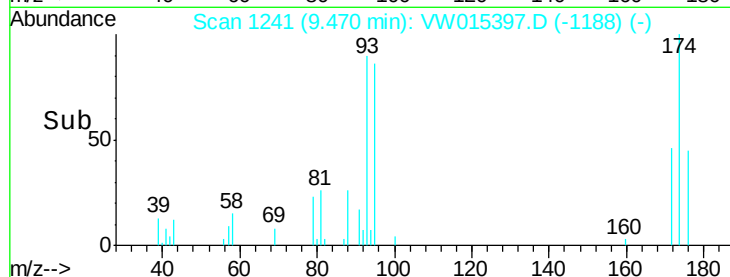
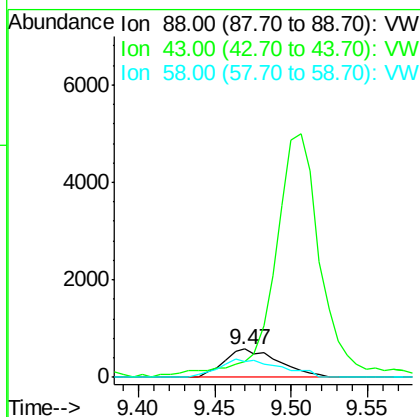
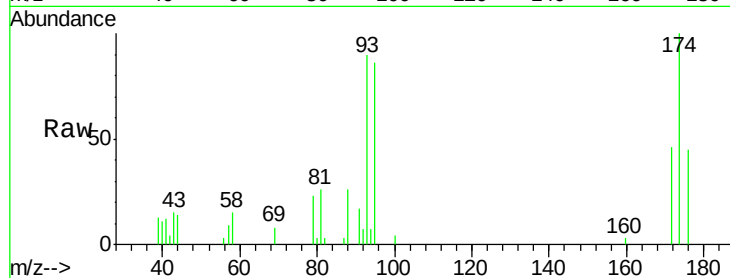
#49
 1,4-Dioxane
 Concen: 94.143 ug/l
 RT: 9.47 min Scan# 1241
 Delta R.T. 0.02 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.6	45.8#
58	73.4	56.3	84.5

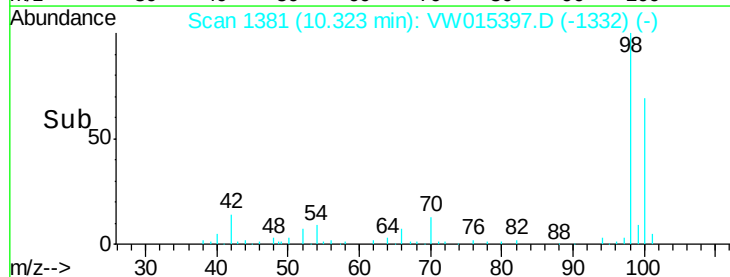
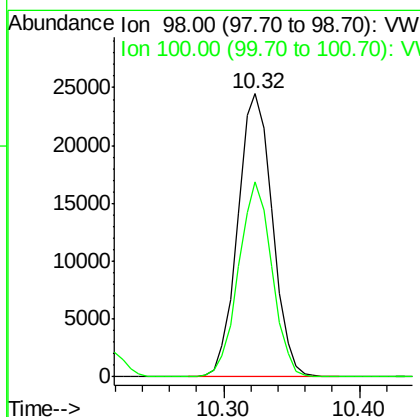
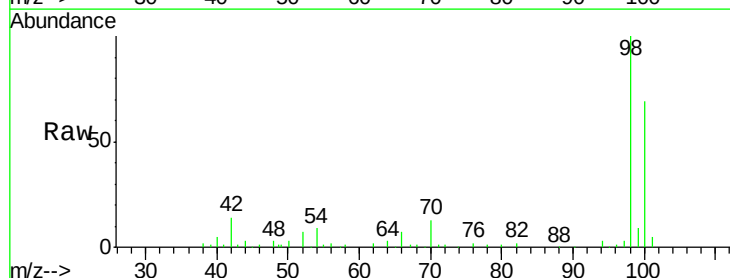
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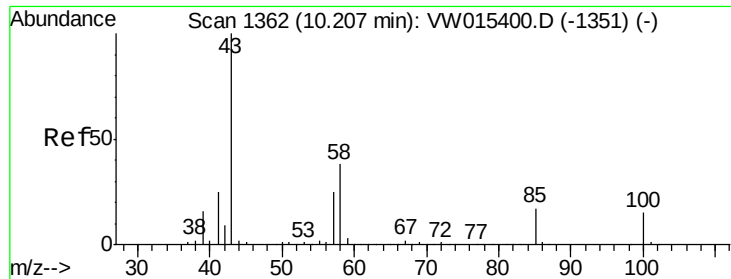
MMDadoda
 5/6/2020 12:11:48 PM



#50
 Toluene-d8
 Concen: 5.310 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.7	79.1





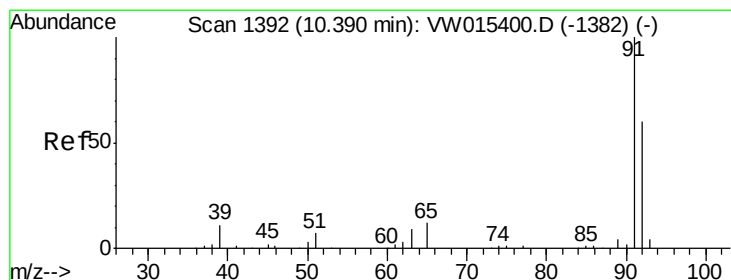
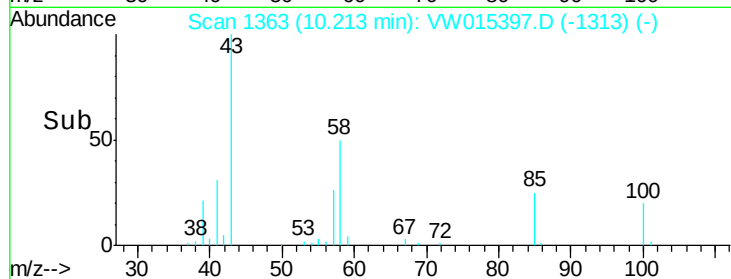
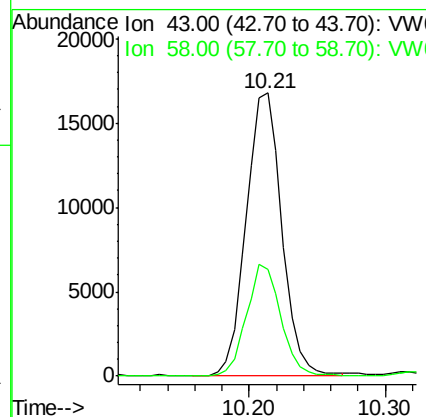
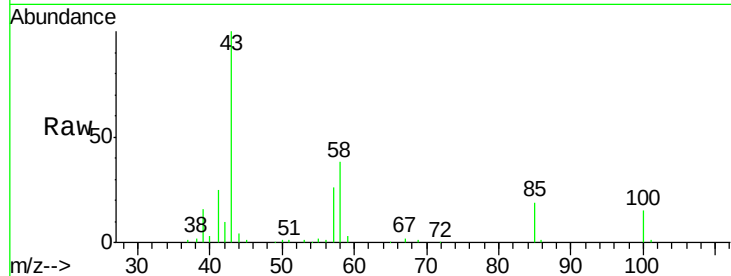
#51
4-Methyl-2-Pentanone
Concen: 28.836 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.8	46.2

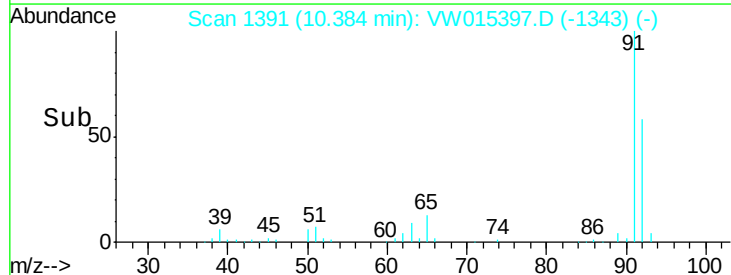
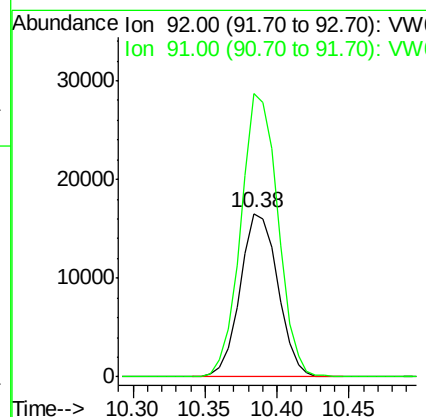
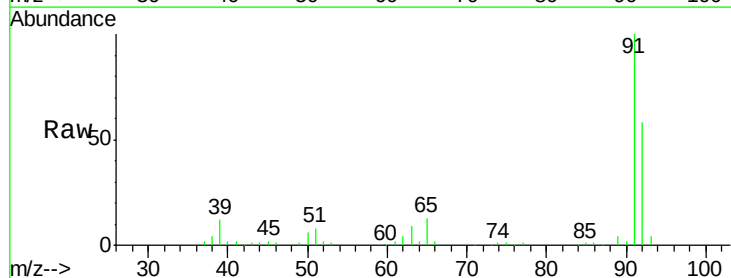
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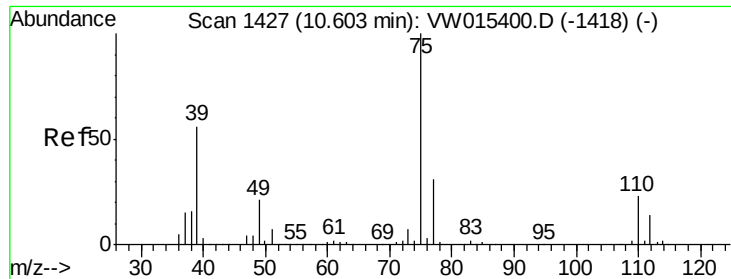
MMDadoda
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#52
Toluene
Concen: 5.017 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.7	135.9	203.9





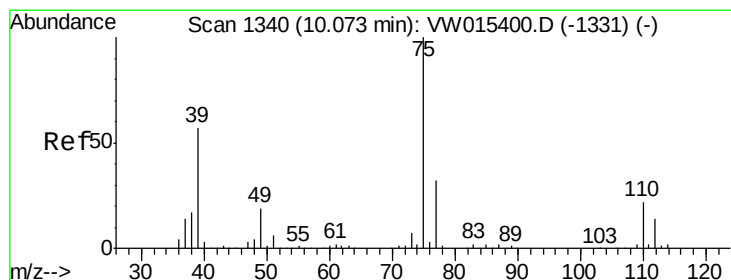
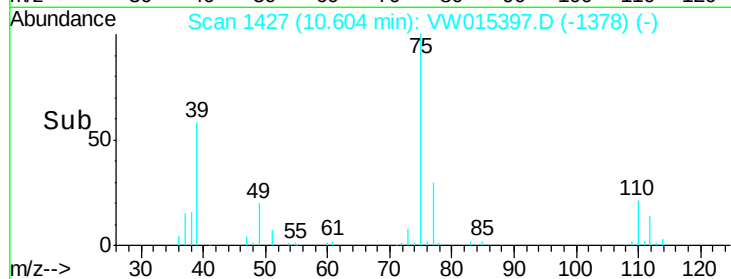
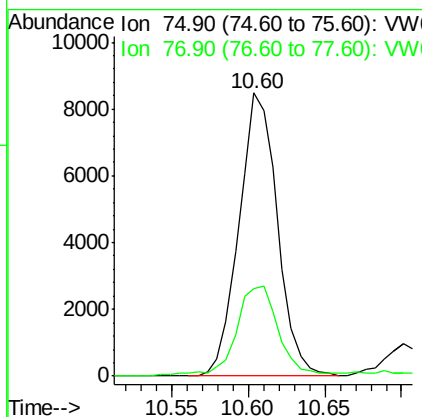
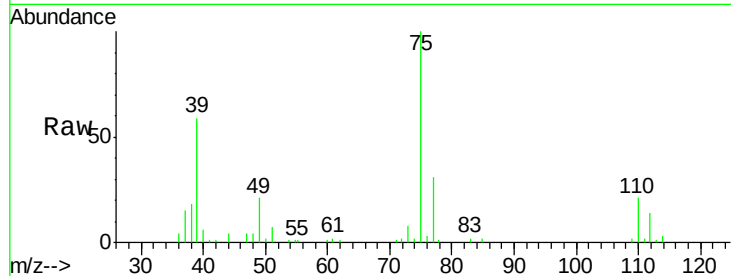
#53
t-1,3-Dichloropropene
Concen: 4.847 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 14803
Ion Ratio Lower Upper
75 100
77 30.0 24.9 37.3

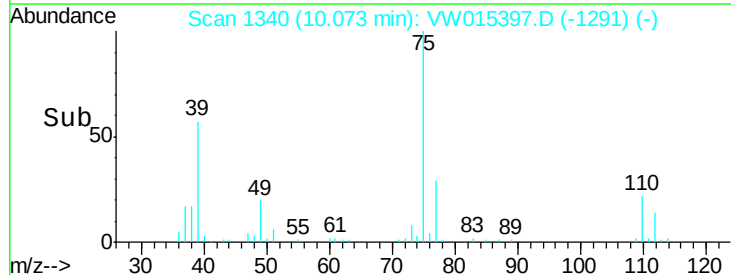
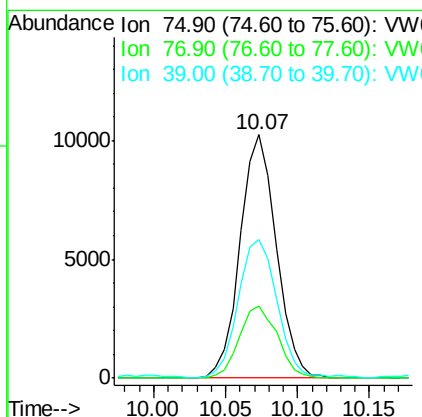
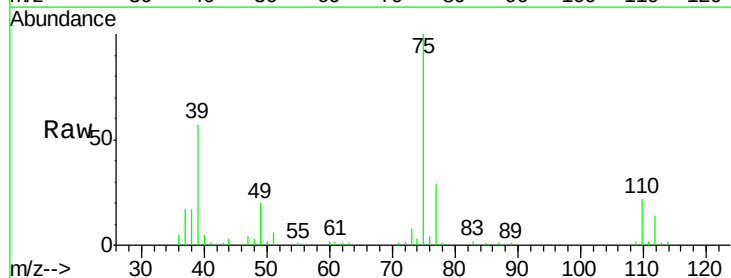
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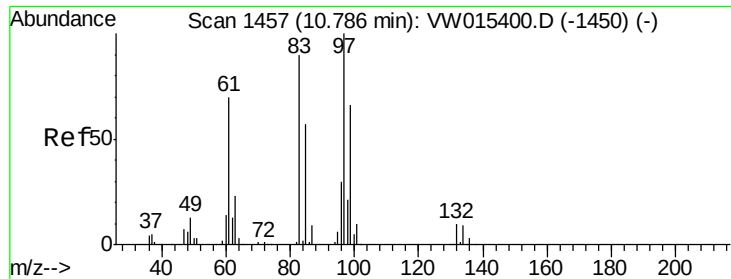
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 5.033 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion: 75 Resp: 17917
Ion Ratio Lower Upper
75 100
77 29.4 25.6 38.4
39 56.7 45.6 68.4





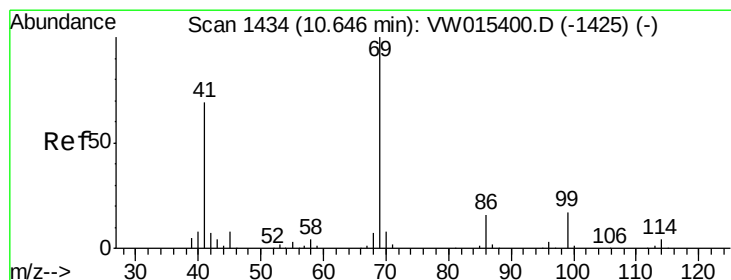
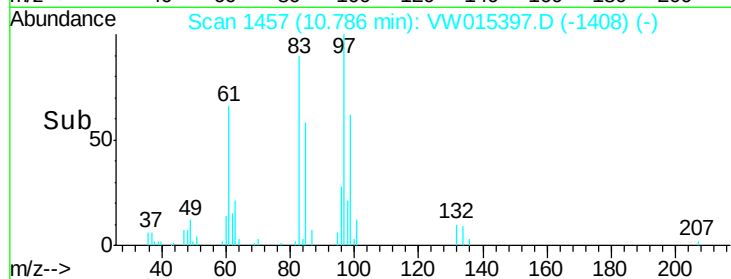
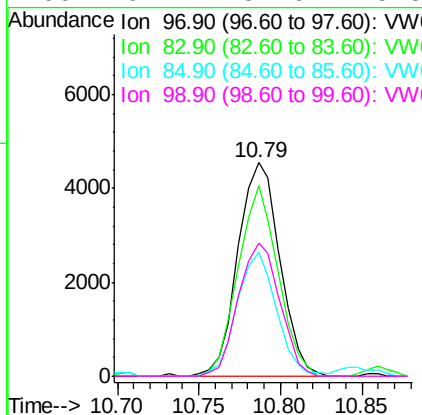
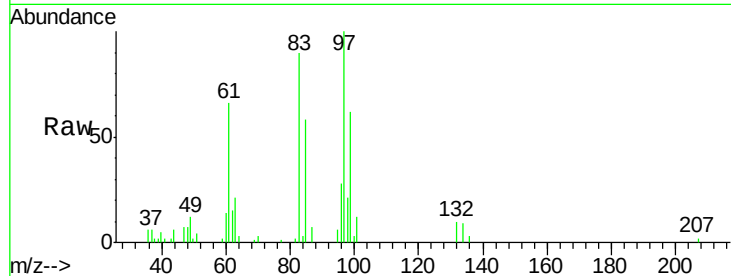
#55
 1,1,2-Trichloroethane
 Concen: 5.069 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.5	72.2	108.4
85	57.9	45.2	67.8
99	62.1	52.6	78.8

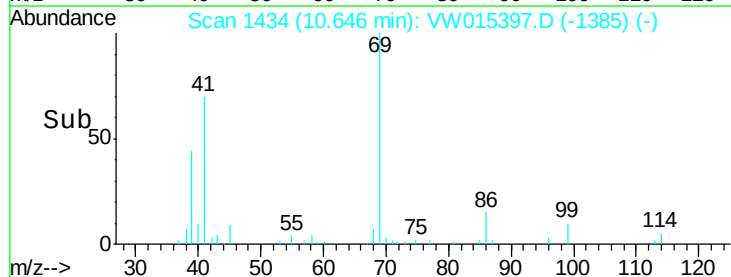
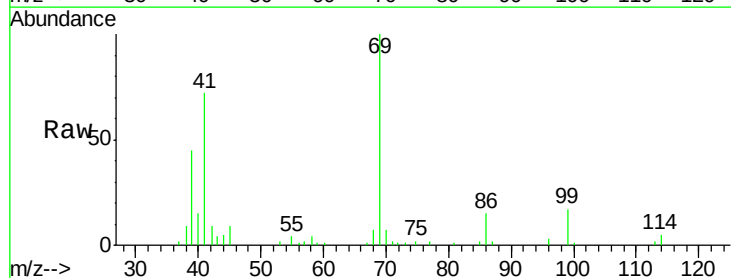
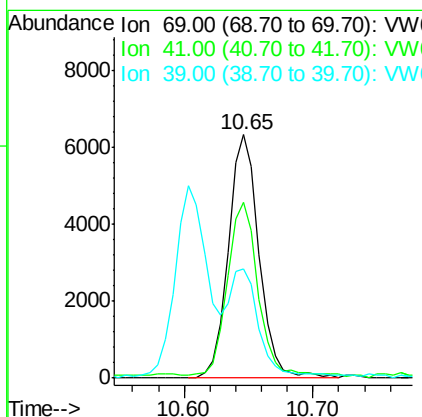
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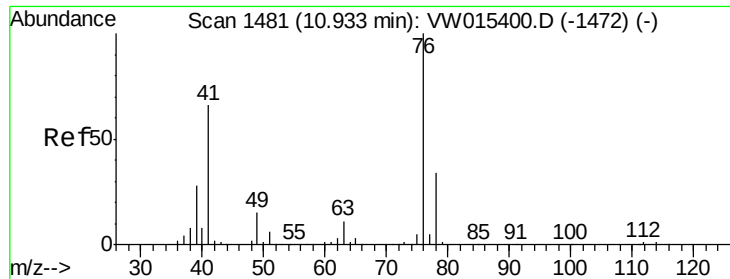
MMDadoda
 5/6/2020 12:11:48 PM



#56
 Ethyl methacrylate
 Concen: 5.002 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.1	55.3	82.9
39	44.1	31.9	47.9





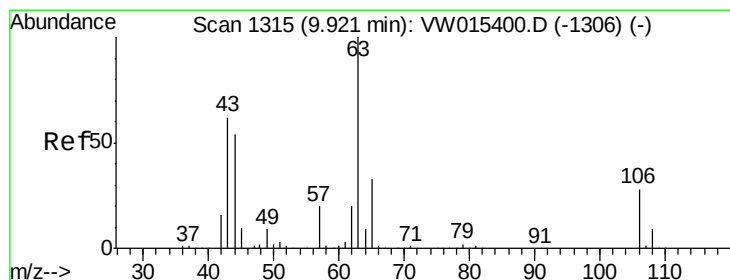
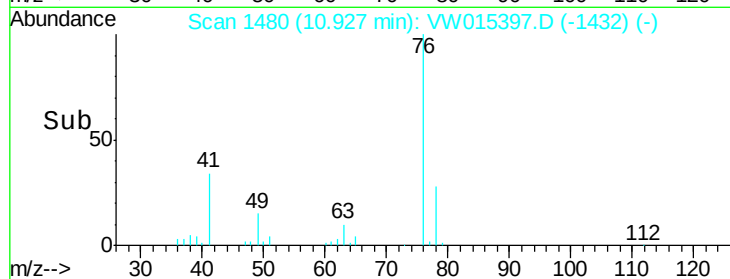
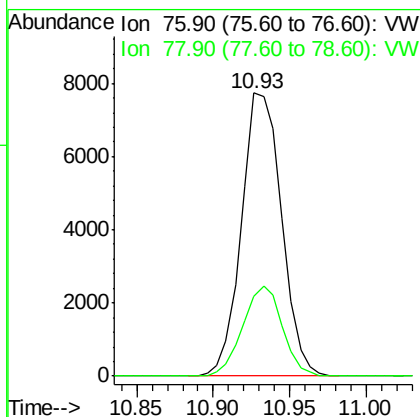
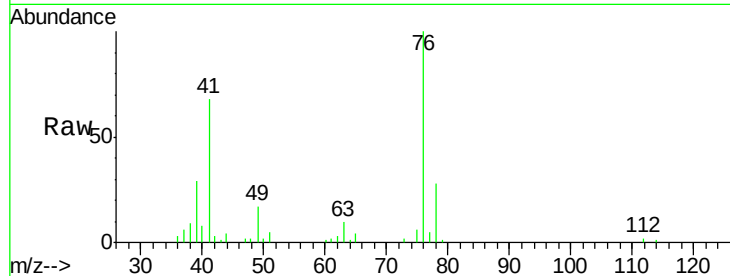
#57
 1,3-Dichloropropane
 Concen: 5.226 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion: 76 Resp: 14119
 Ion Ratio Lower Upper
 76 100
 78 31.2 26.3 39.5

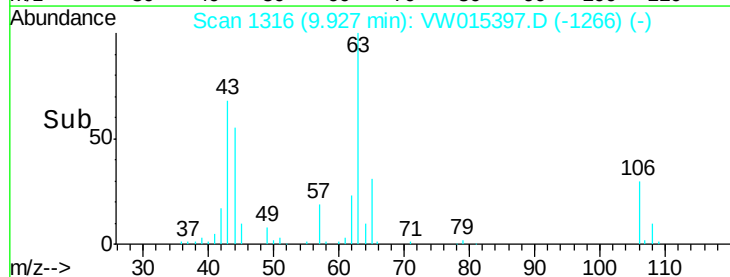
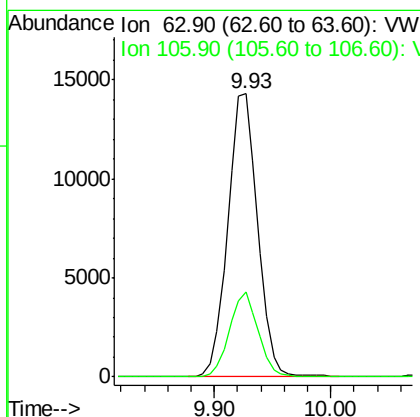
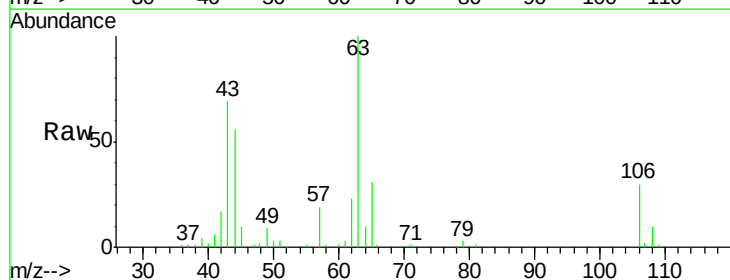
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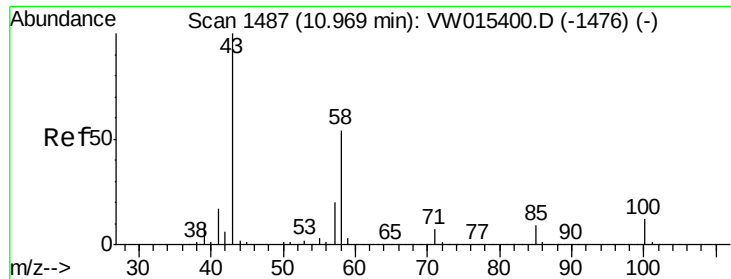
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 26.029 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Tgt Ion: 63 Resp: 25441
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.6 33.8





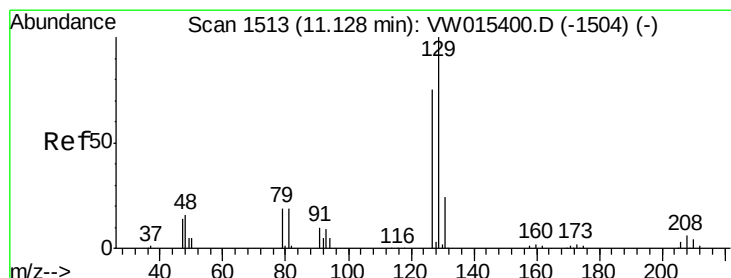
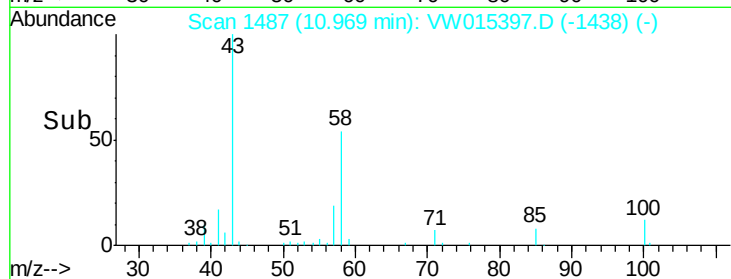
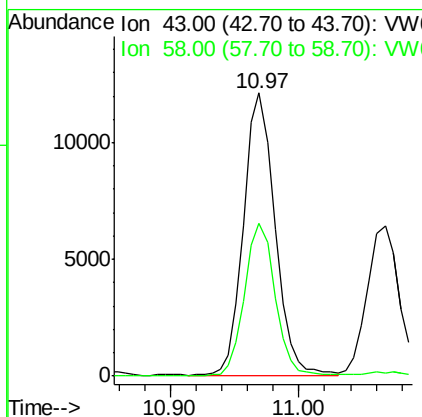
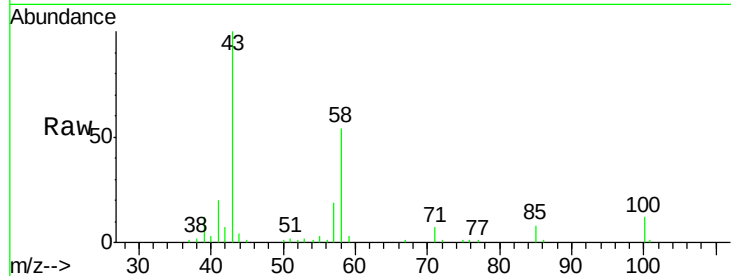
#59
2-Hexanone
Concen: 27.224 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 20594
Ion Ratio Lower Upper
43 100
58 52.5 26.7 80.0

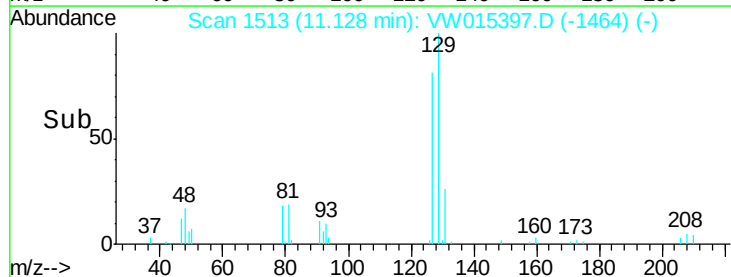
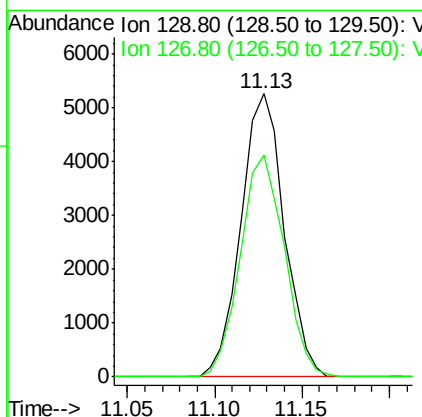
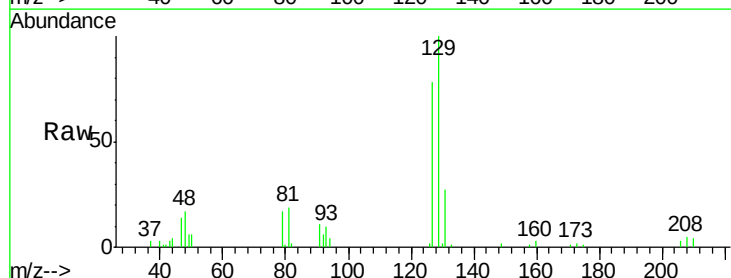
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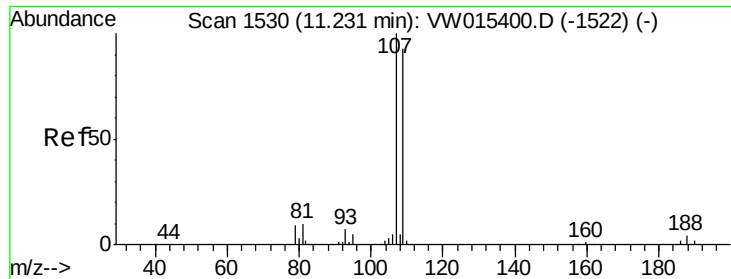
MMDadoda
5/6/2020 12:11:48 PM



#60
Dibromochloromethane
Concen: 4.312 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion: 129 Resp: 9039
Ion Ratio Lower Upper
129 100
127 79.8 39.1 117.2





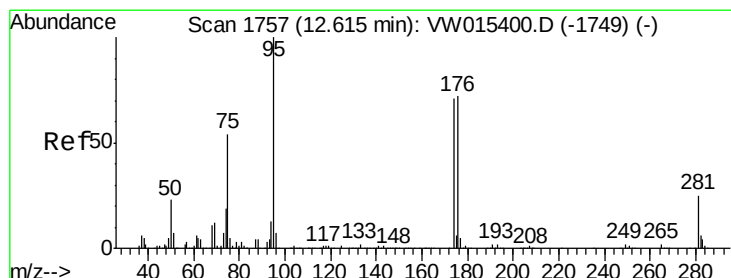
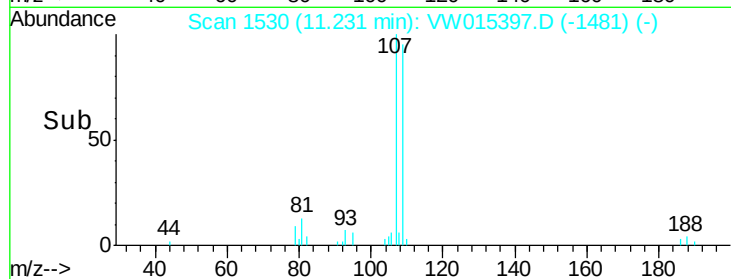
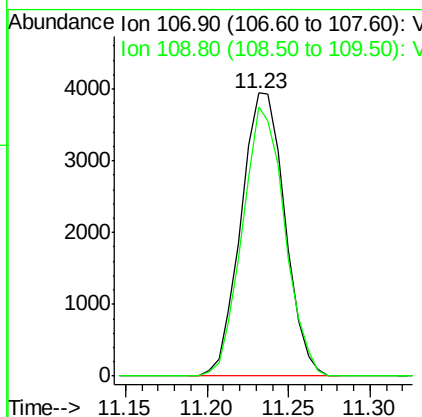
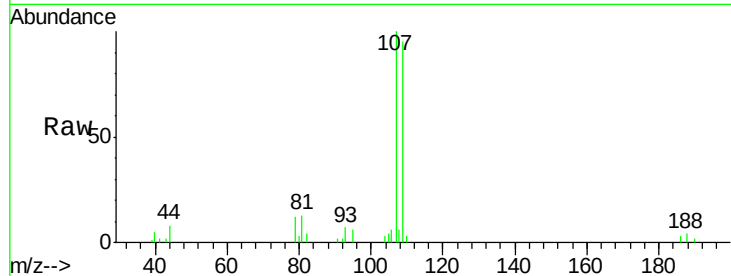
#61
 1,2-Dibromoethane
 Concen: 4.726 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.4	75.0	112.4

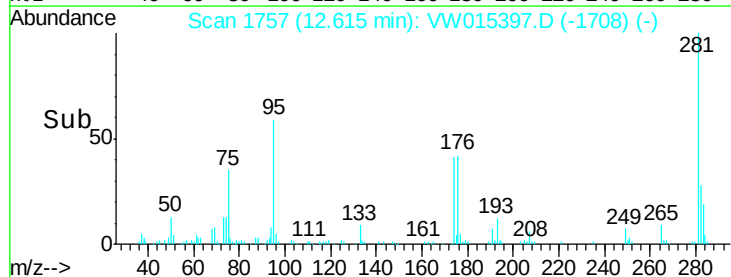
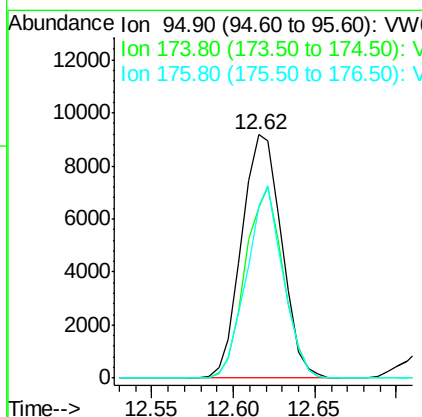
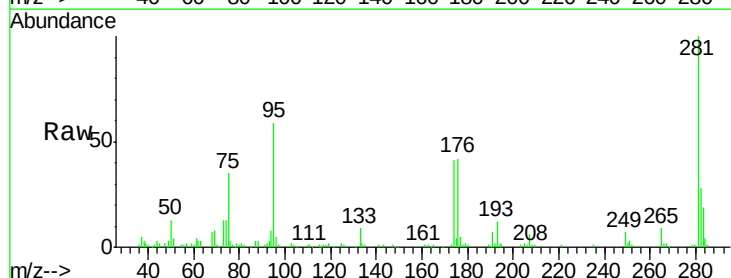
Manual Integrations
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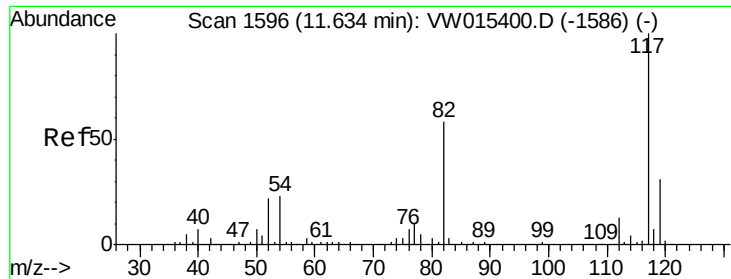
MMDadoda
 5/6/2020 12:11:48 PM



#62
 4-Bromofluorobenzene
 Concen: 5.035 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	147.6
176	71.5	0.0	144.4





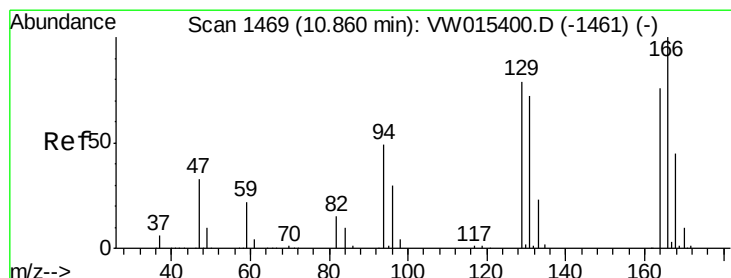
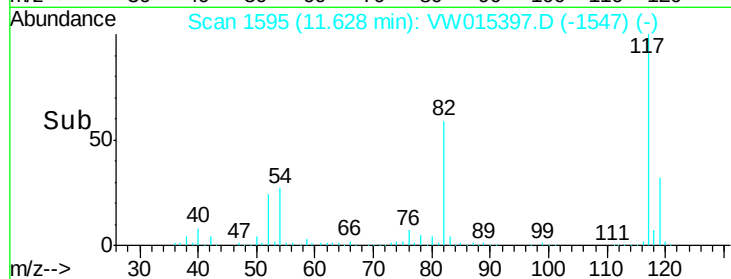
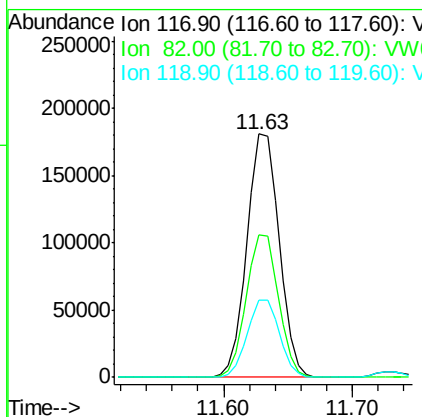
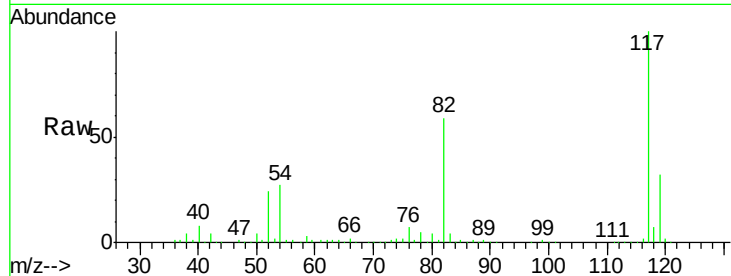
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.4	69.6
119	31.6	24.6	37.0

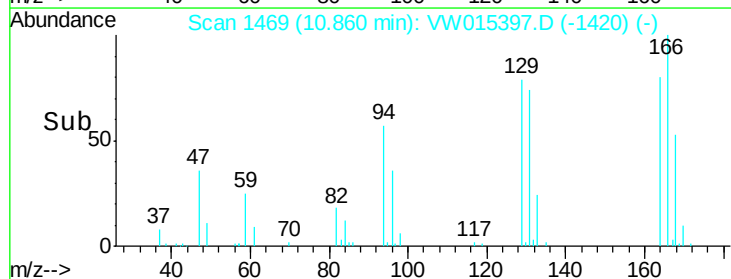
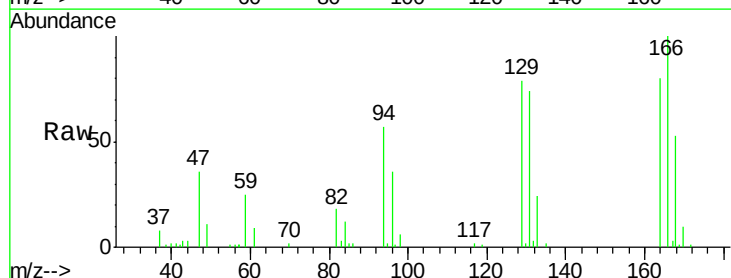
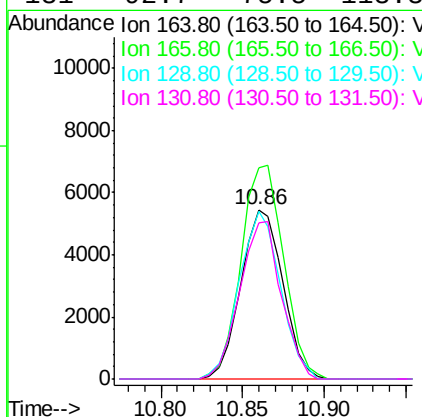
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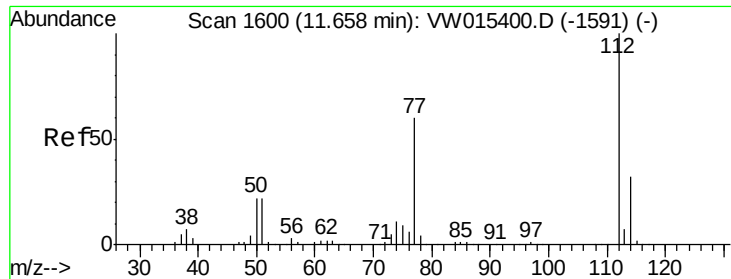
MMDadoda
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#64
Tetrachloroethene
Concen: 4.428 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	104.9	157.3
129	99.2	82.7	124.1
131	92.7	75.5	113.3





#65

Chlorobenzene

Concen: 5.011 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion:112 Resp: 30946

Ion Ratio Lower Upper

112 100

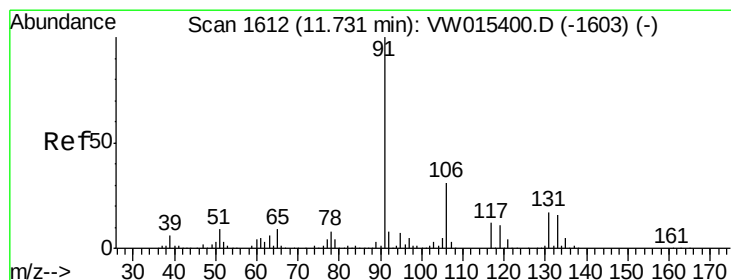
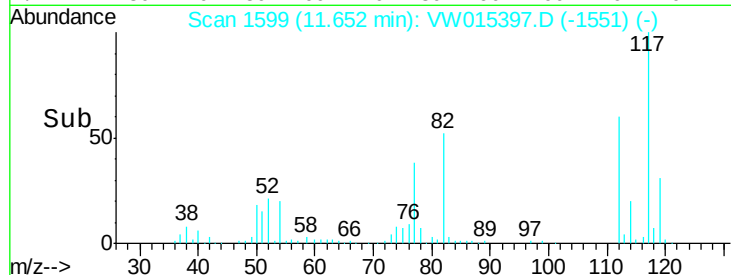
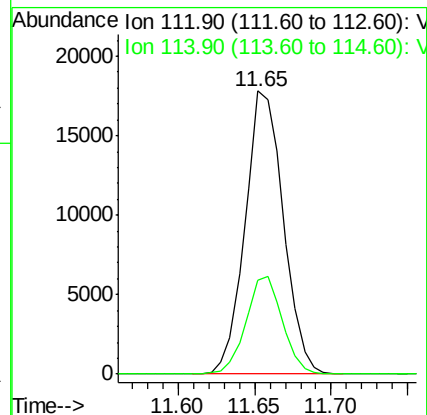
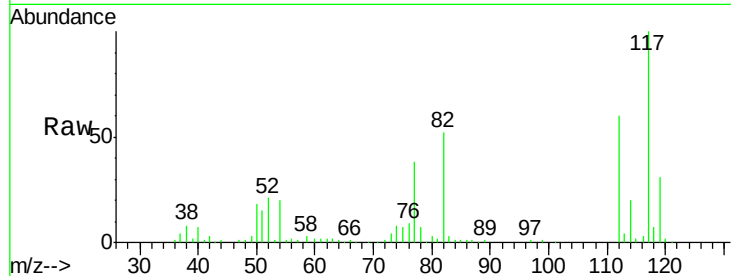
114 33.4 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 4.896 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

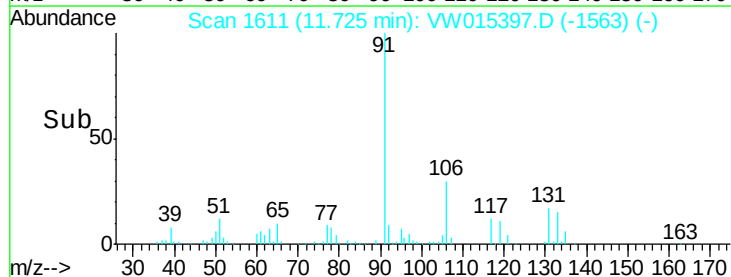
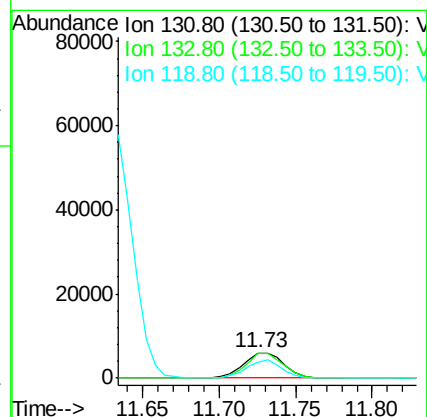
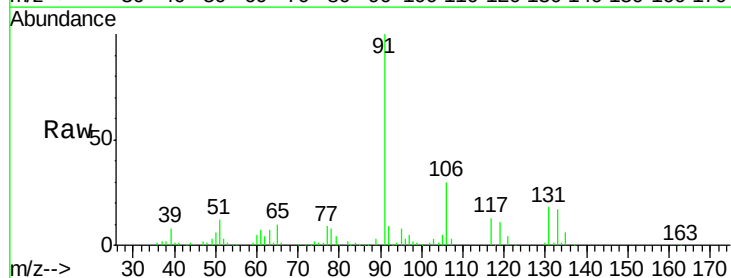
Tgt Ion:131 Resp: 10851

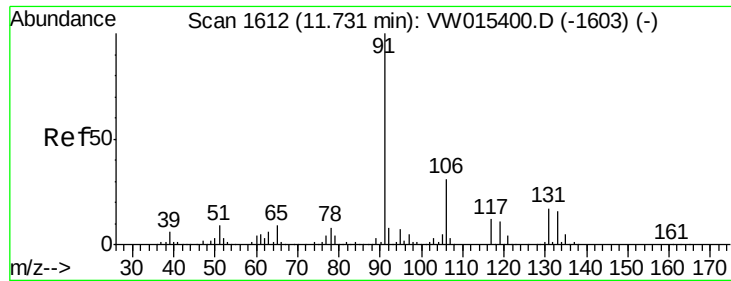
Ion Ratio Lower Upper

131 100

133 93.4 47.9 143.8

119 66.1 33.0 99.0





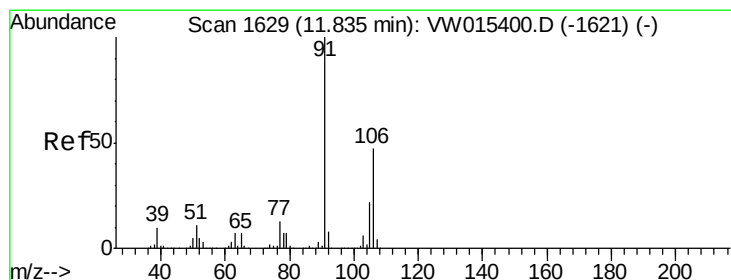
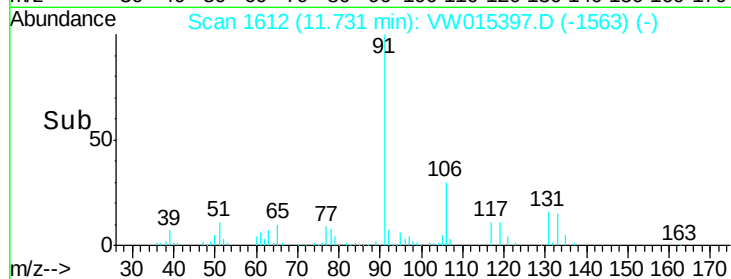
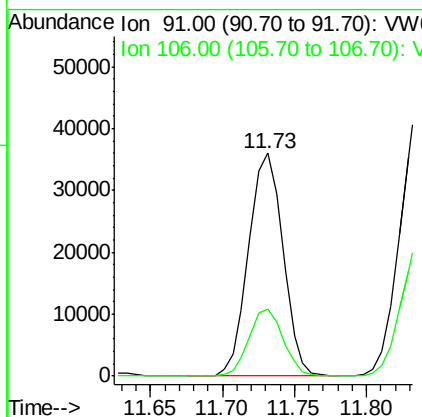
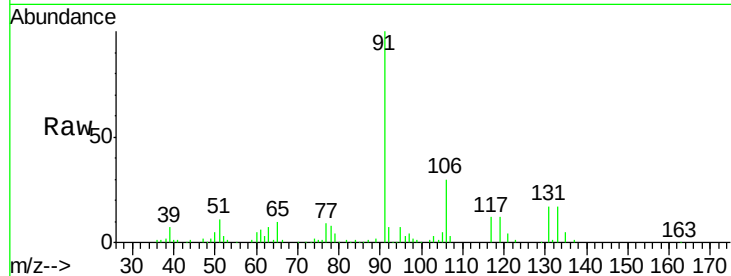
#67
Ethyl Benzene
Concen: 5.162 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.2	37.8

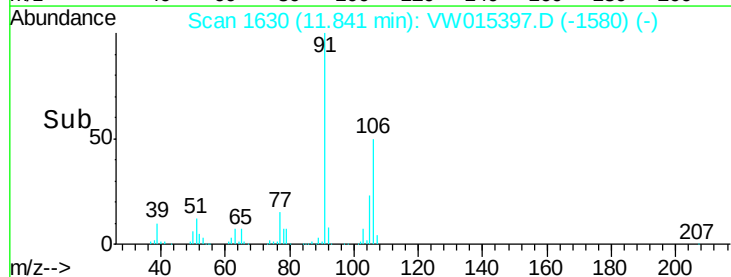
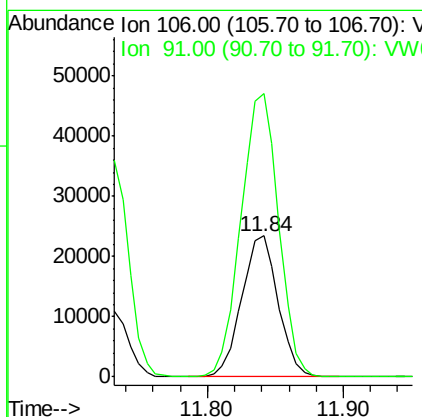
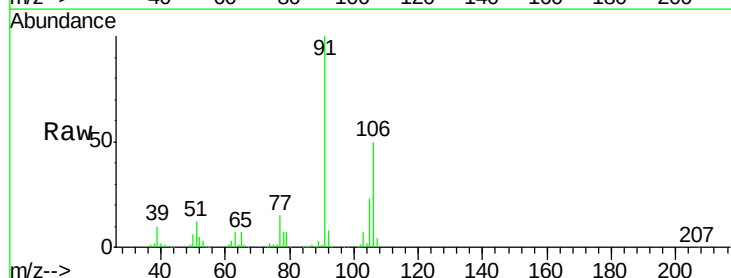
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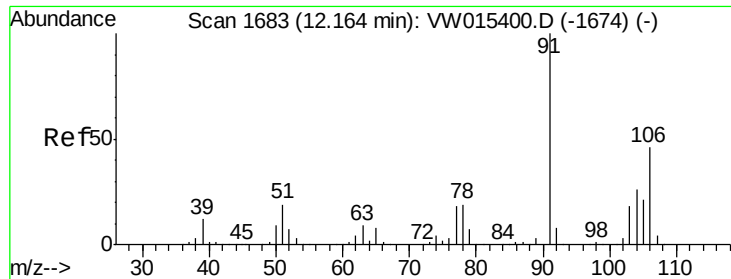
MMDadoda
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#68
m/p-Xylenes
Concen: 9.760 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.7	165.7	248.5





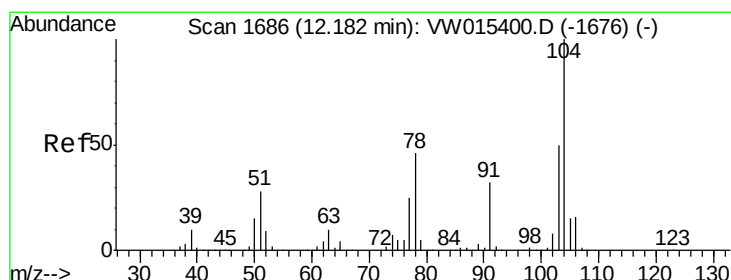
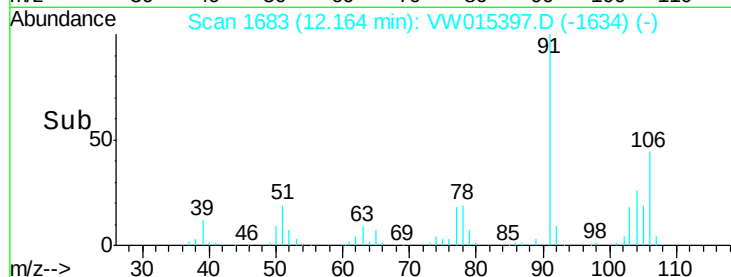
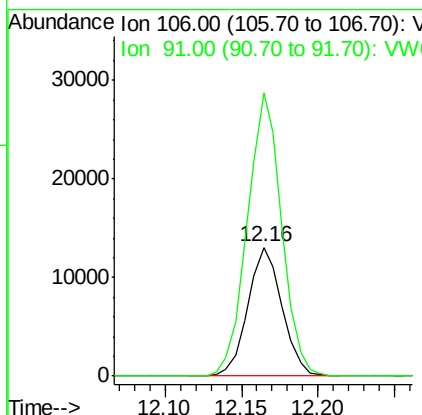
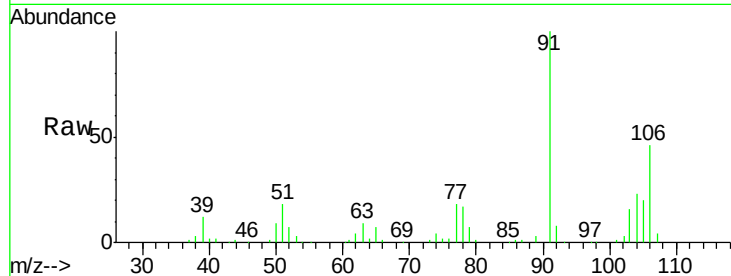
#69
o-Xylene
Concen: 4.839 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 20330
Ion Ratio Lower Upper
106 100
91 220.3 109.0 327.0

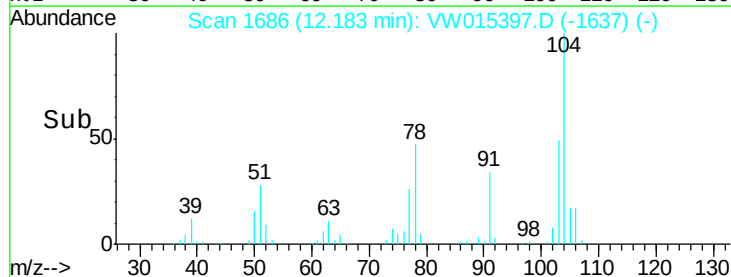
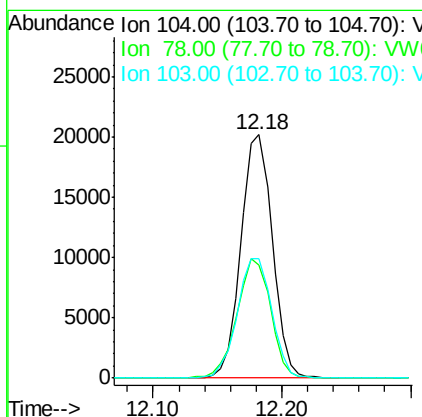
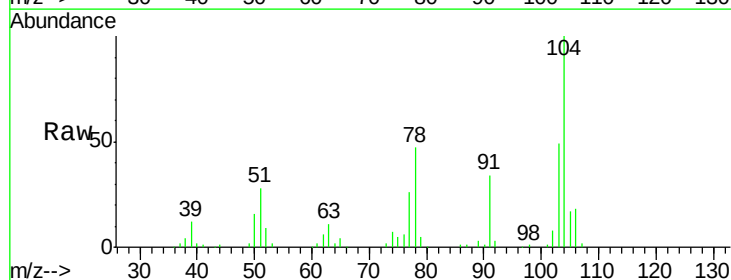
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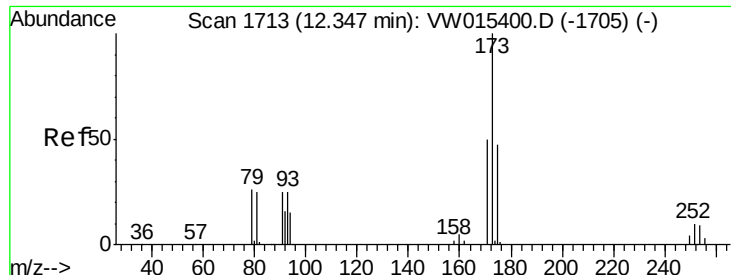
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#70
Styrene
Concen: 4.756 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion:104 Resp: 34116
Ion Ratio Lower Upper
104 100
78 52.9 41.8 62.8
103 53.9 43.6 65.4





#71

Bromoform

Concen: 3.951 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion:173 Resp: 4856

Ion Ratio Lower Upper

173 100

175 46.0 23.8 71.4

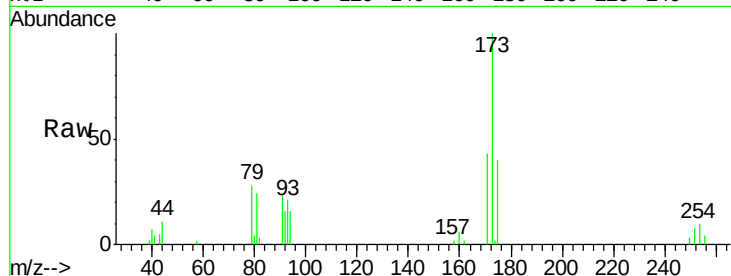
254 0.0 0.0 0.0

Manual Integrations

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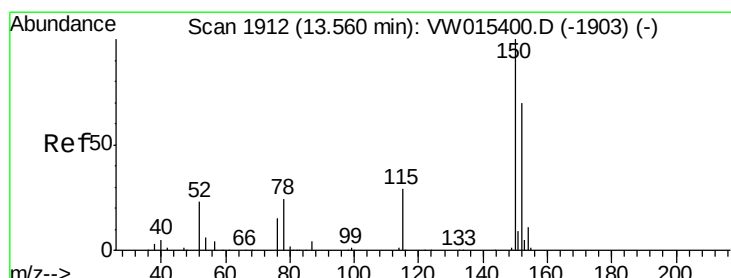
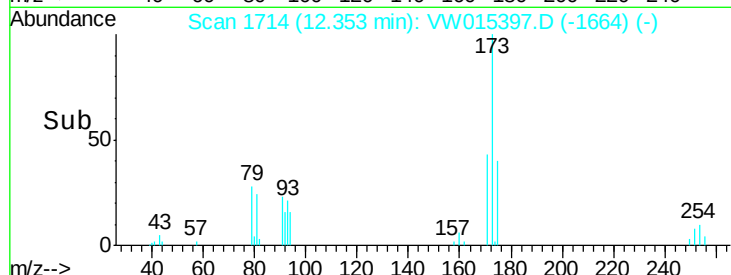
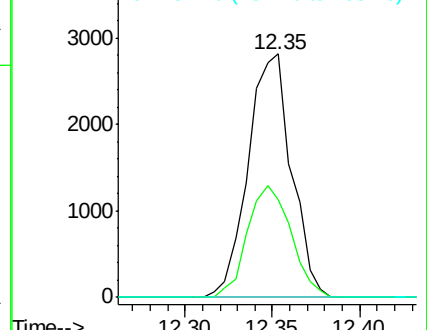
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

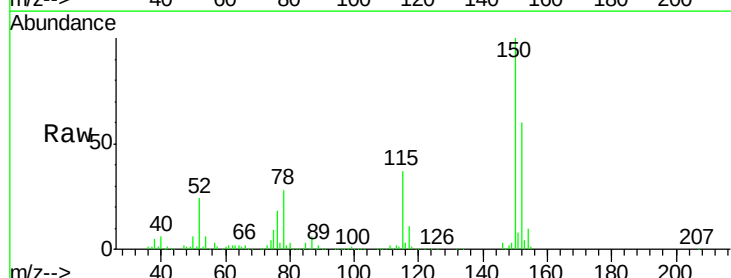
Tgt Ion:152 Resp: 150475

Ion Ratio Lower Upper

152 100

115 61.7 30.3 90.8

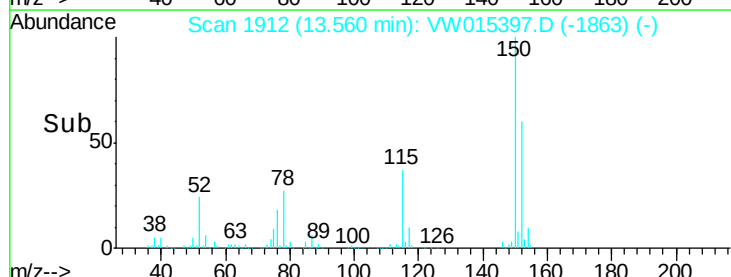
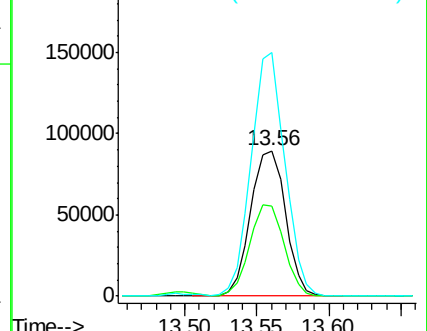
150 161.6 0.0 344.4

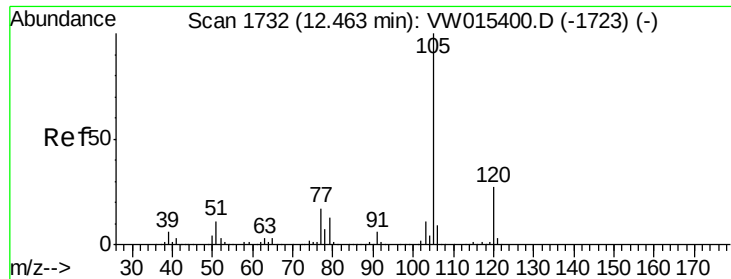


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.265 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 56105

Ion Ratio Lower Upper

105 100

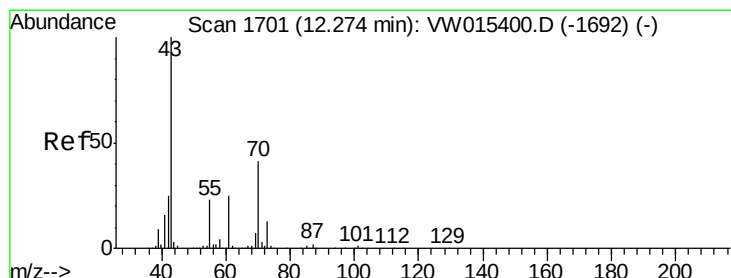
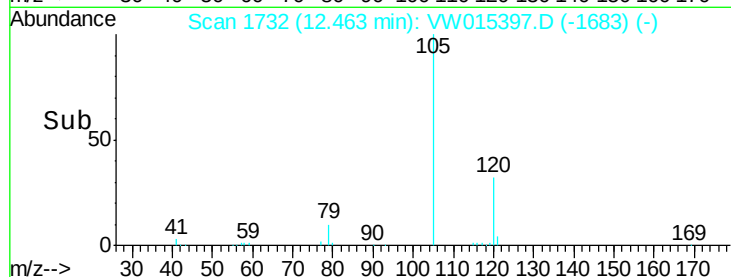
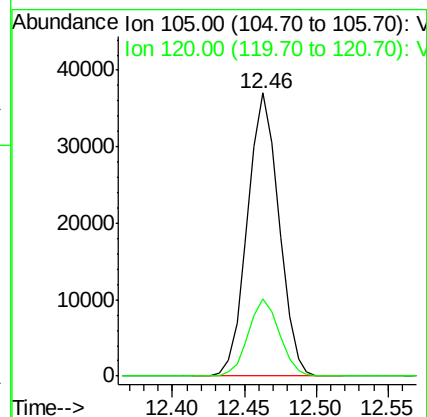
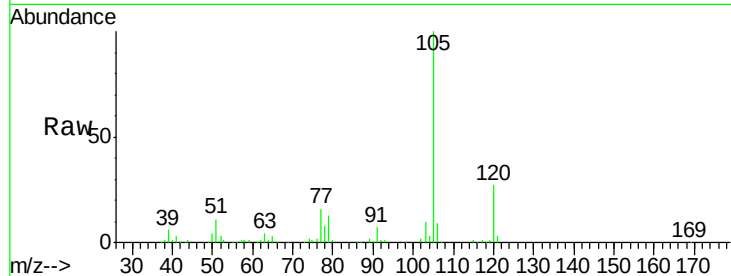
120 26.9 13.1 39.3

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#74

N-ethyl acetate

Concen: 6.797 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Tgt Ion: 43 Resp: 13300

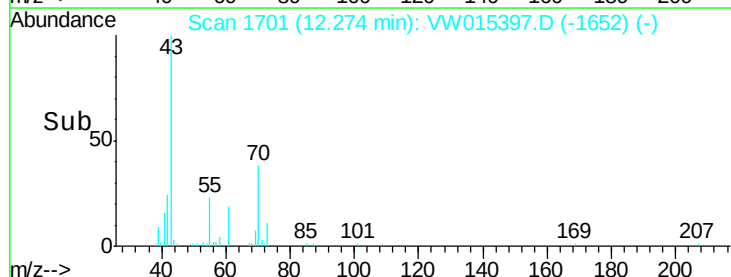
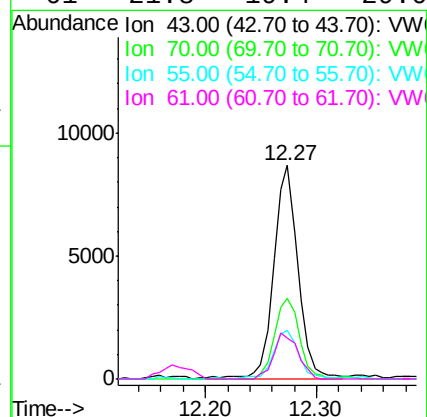
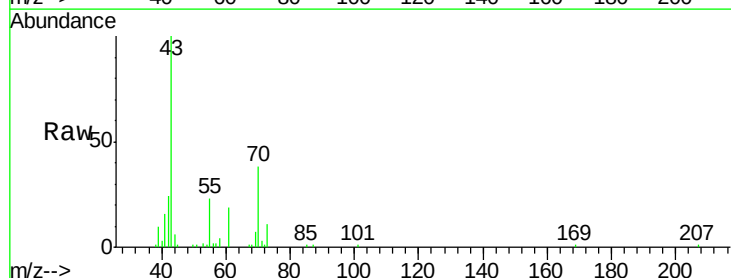
Ion Ratio Lower Upper

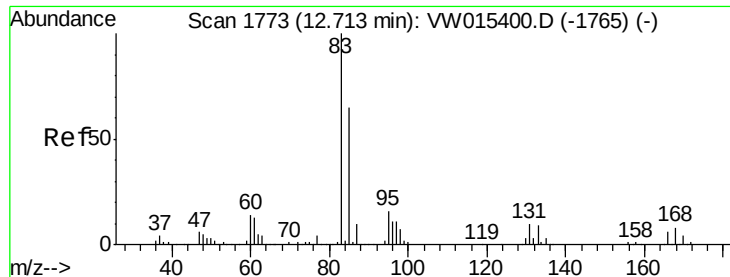
43 100

70 38.0 33.4 50.0

55 23.9 18.9 28.3

61 21.8 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.554 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

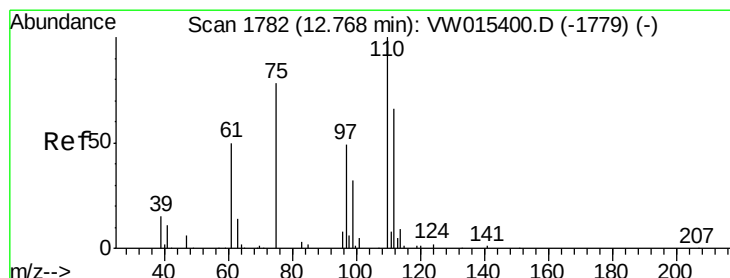
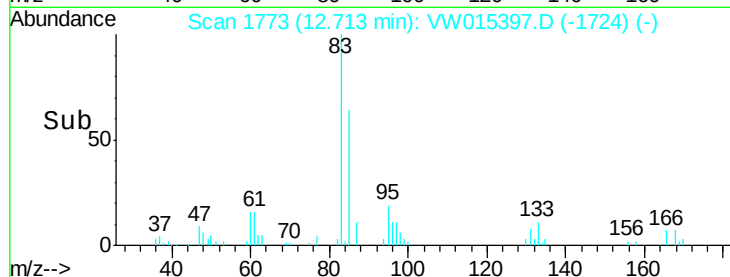
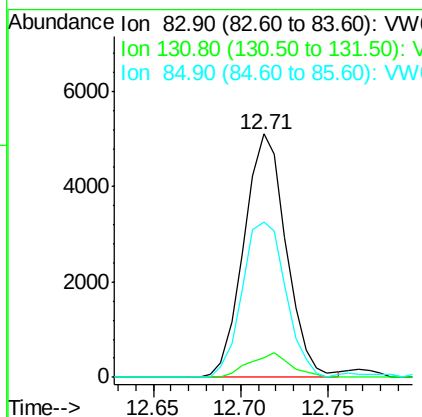
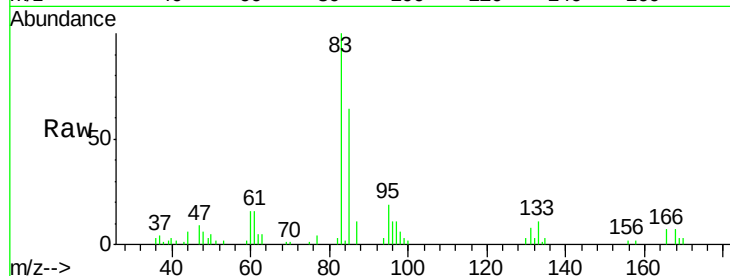
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	8590
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.2
85	65.6	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 4.876 ug/l m

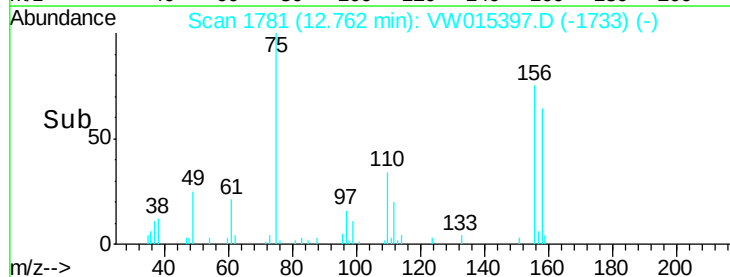
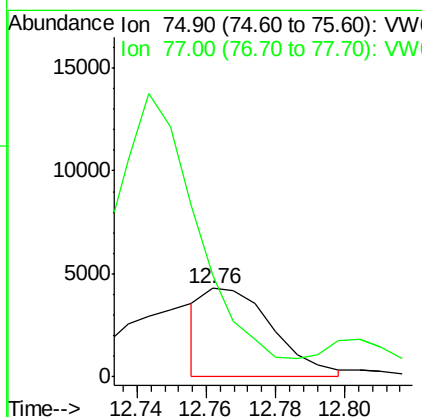
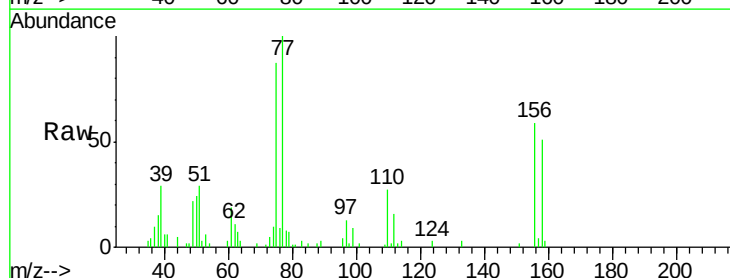
RT: 12.76 min Scan# 1781

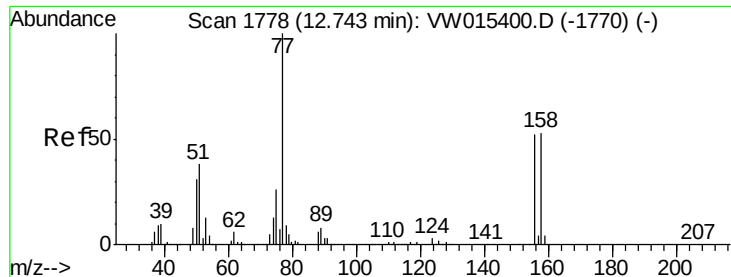
Delta R.T. -0.01 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Tgt Ion:	75	Resp:	5940
Ion	Ratio	Lower	Upper
75	100		
77	409.8	0.0	0.0#





#77

Bromobenzene

Concen: 5.080 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion:156 Resp: 12203

Ion Ratio Lower Upper

156 100

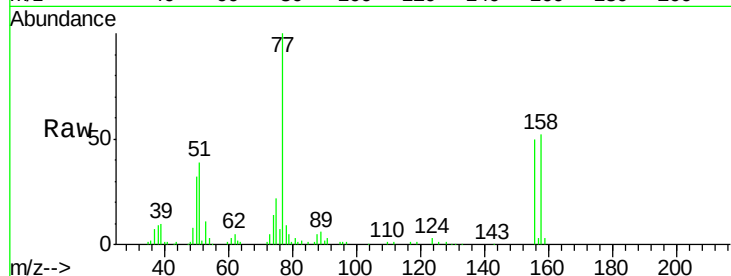
77 199.5 101.8 305.6

158 94.6 48.3 144.8

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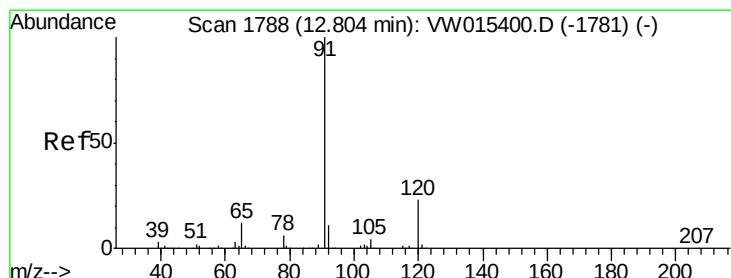
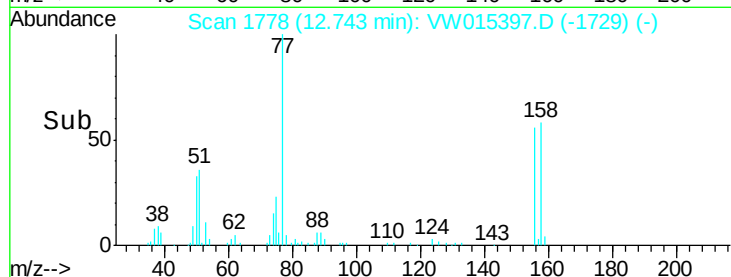
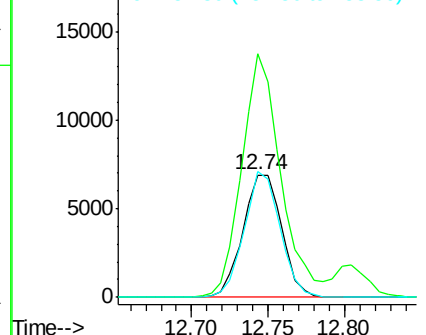
5/6/2020 12:11:48 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.542 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015397.D

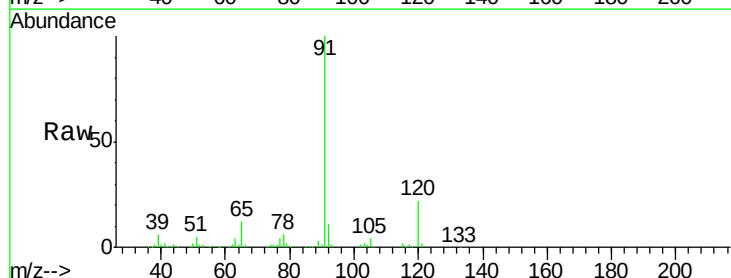
Acq: 05 May 2020 16:17

Tgt Ion: 91 Resp: 69035

Ion Ratio Lower Upper

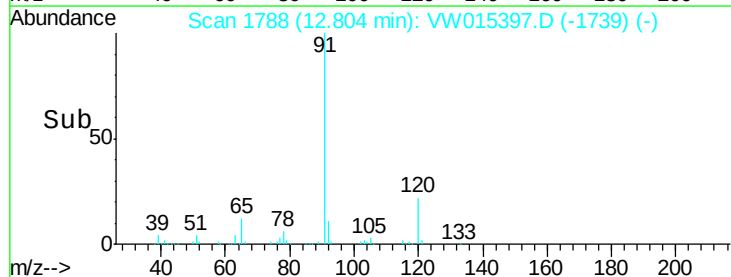
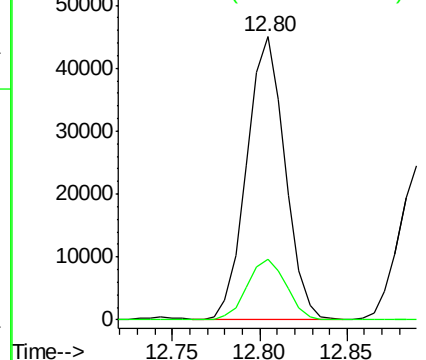
91 100

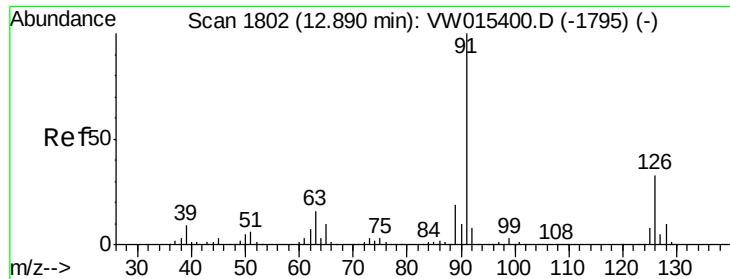
120 21.9 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.570 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 39096

Ion Ratio Lower Upper

91 100

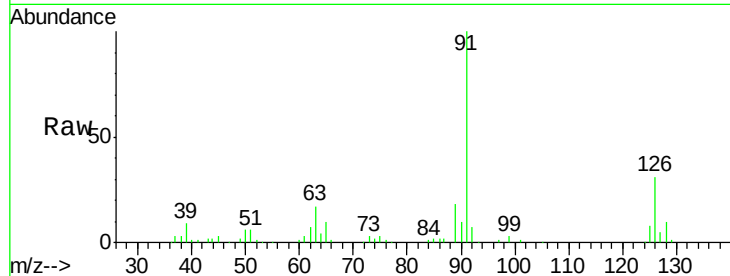
126 31.7 16.1 48.2

Manual Integrations

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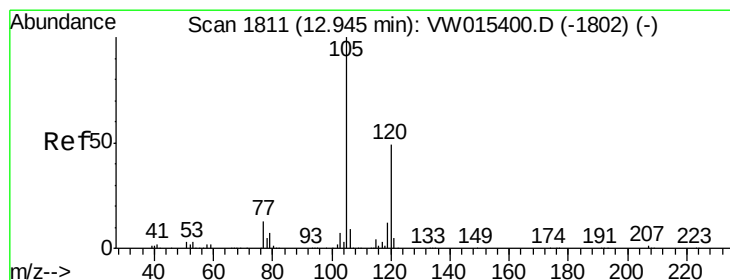
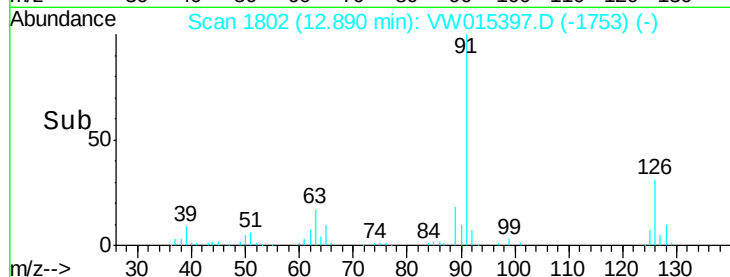
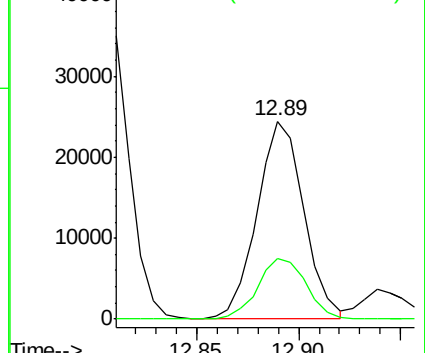
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 5.309 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015397.D

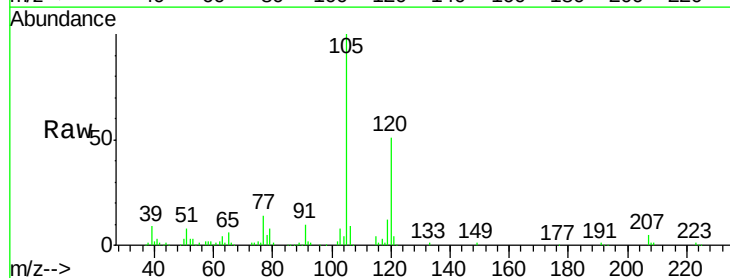
Acq: 05 May 2020 16:17

Tgt Ion:105 Resp: 48528

Ion Ratio Lower Upper

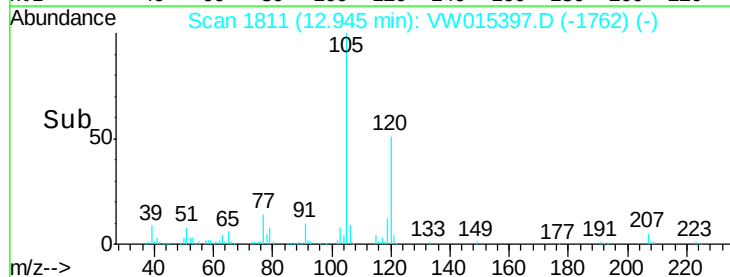
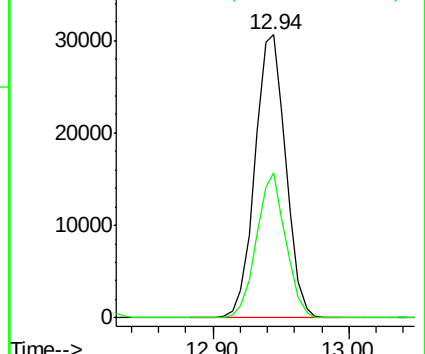
105 100

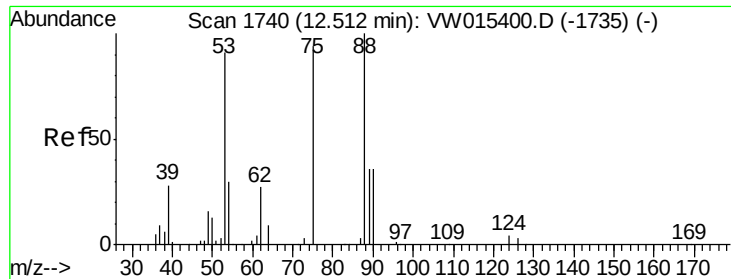
120 48.6 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





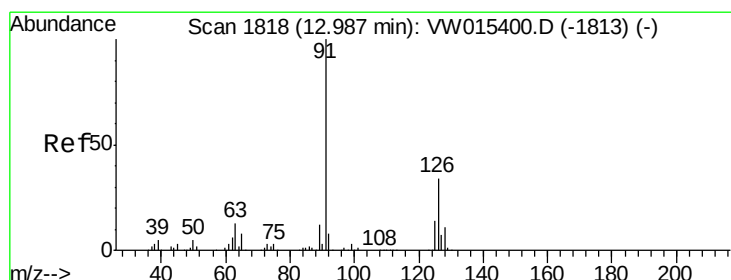
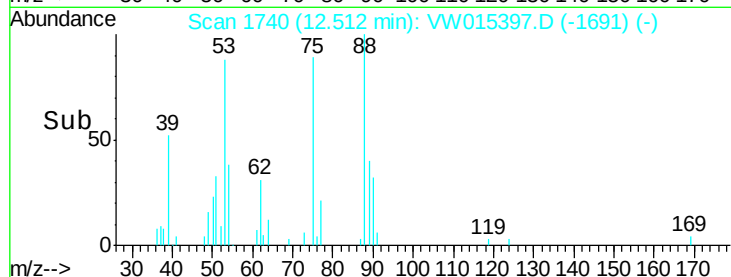
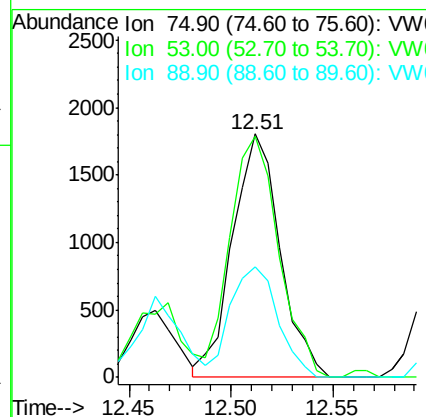
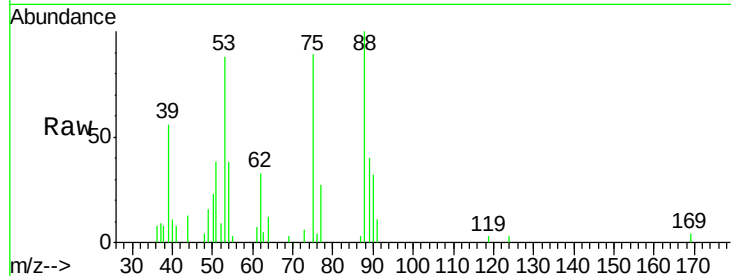
#81
trans-1,4-Dichloro-2-butene
Concen: 5.282 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.2	82.5	123.7
89	45.7	35.8	53.8

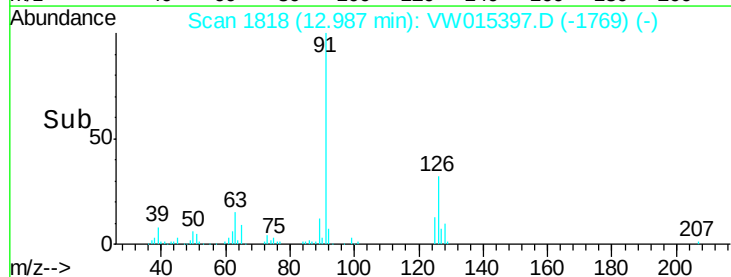
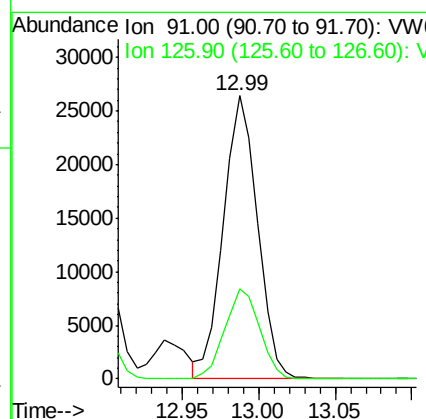
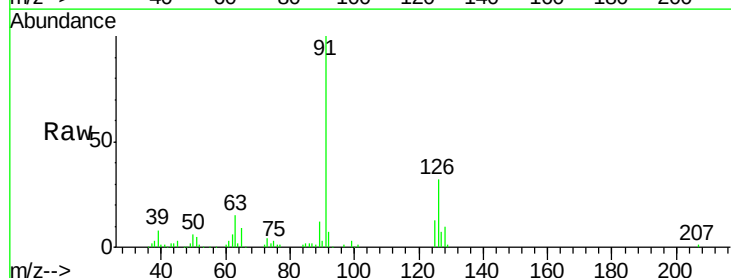
Manual Integrations
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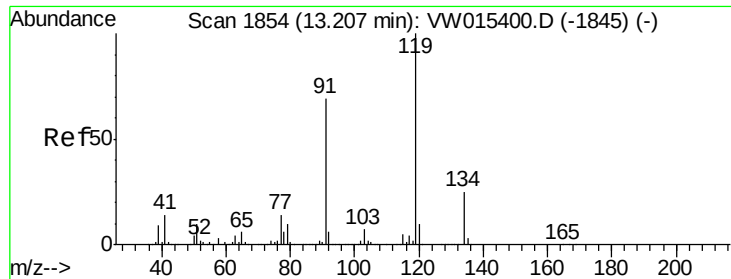
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#82
4-Chlorotoluene
Concen: 5.493 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.0	47.9





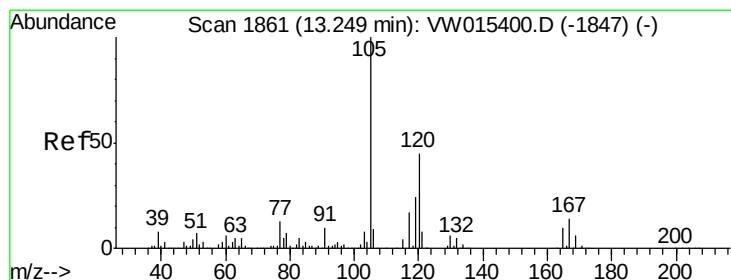
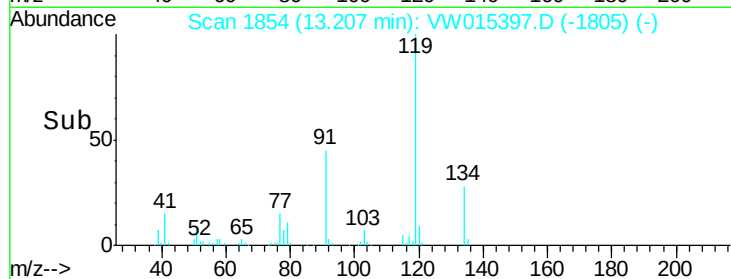
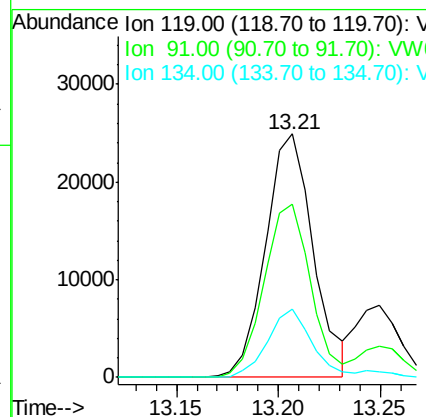
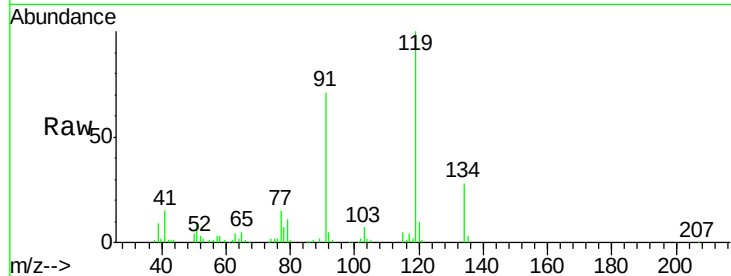
#83
 tert-Butylbenzene
 Concen: 5.107 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.7	33.8	101.4
134	25.9	12.3	36.9

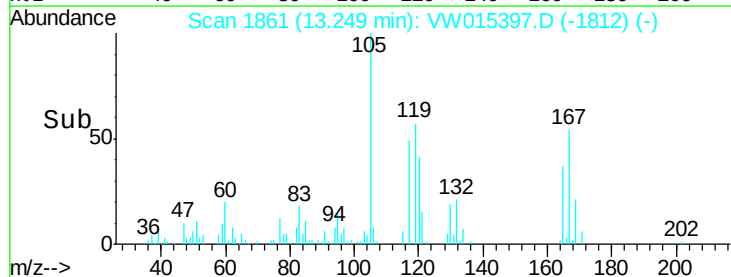
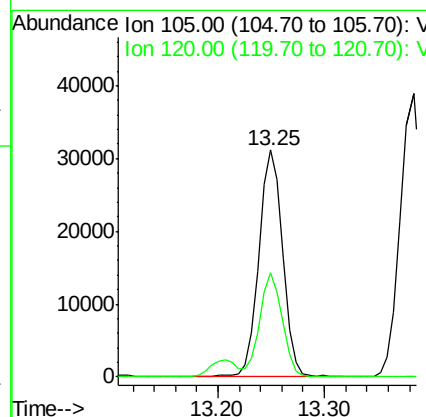
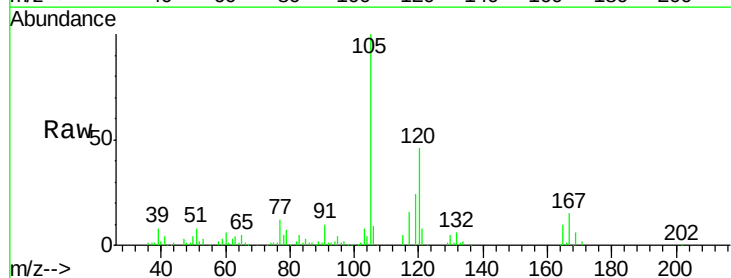
Manual Integrations
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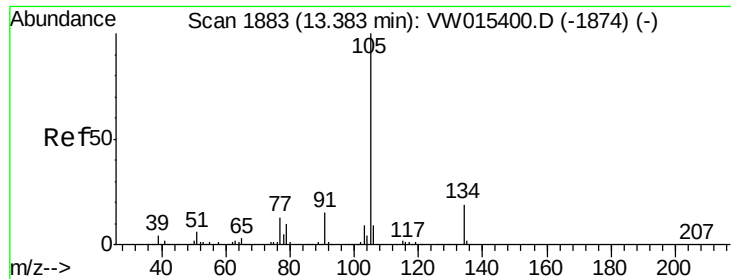
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.417 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.0	66.0





#85

sec-Butylbenzene

Concen: 5.287 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 58402

Ion Ratio Lower Upper

105 100

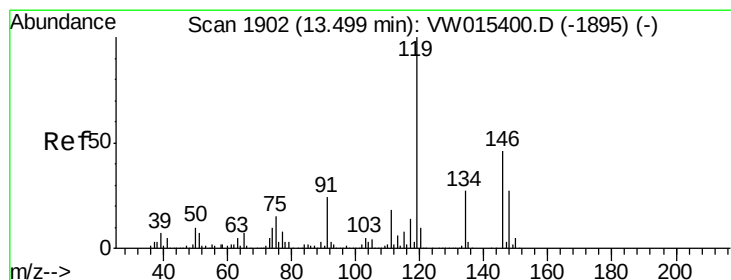
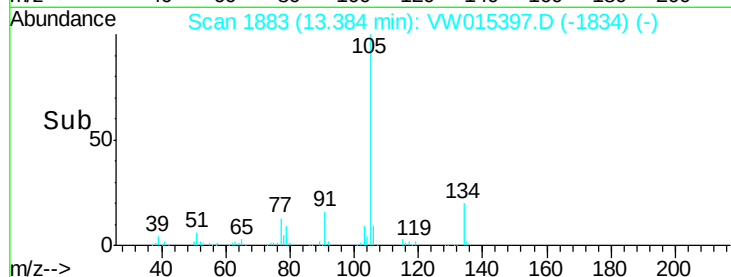
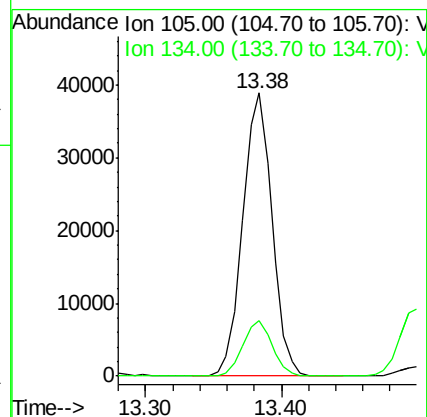
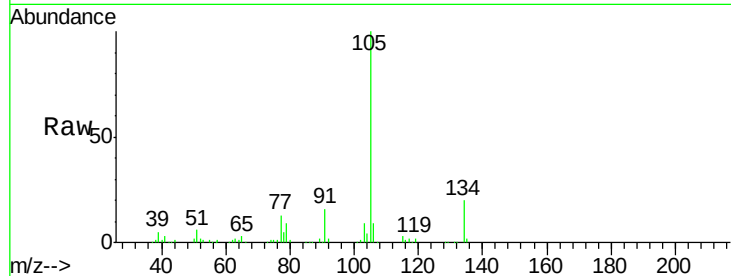
134 19.7 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 5.198 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

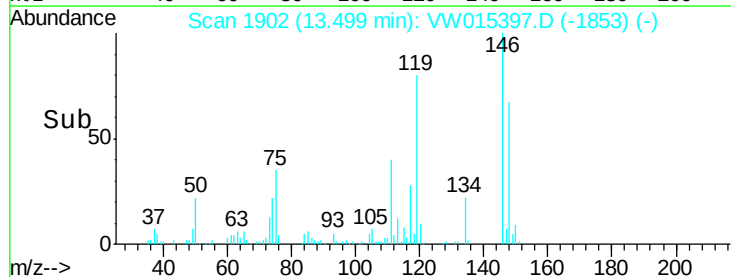
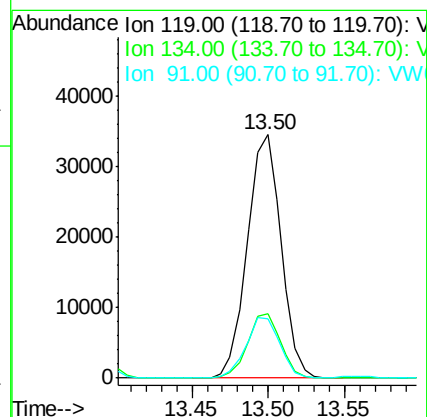
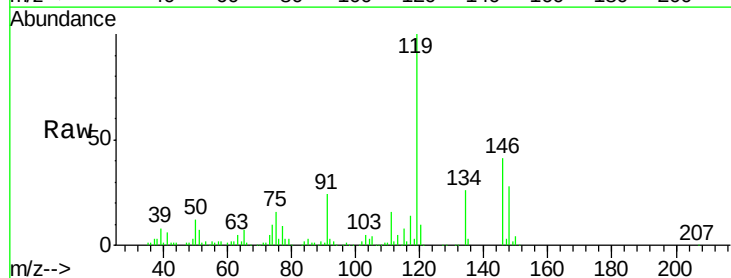
Tgt Ion:119 Resp: 53054

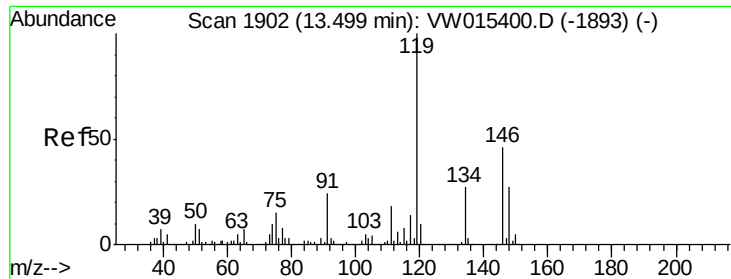
Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 25.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 5.042 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

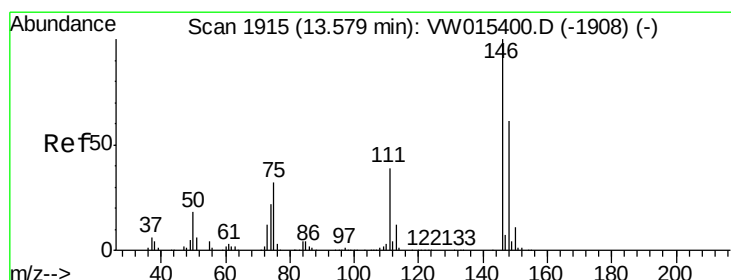
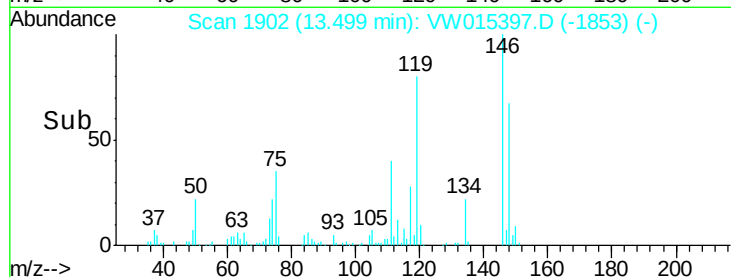
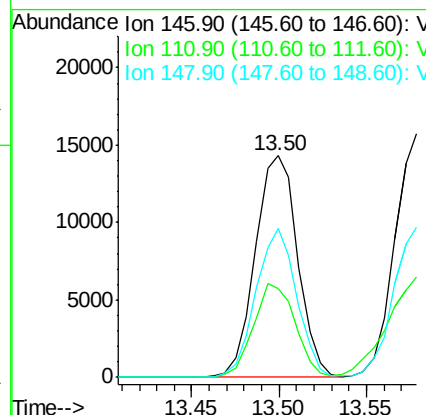
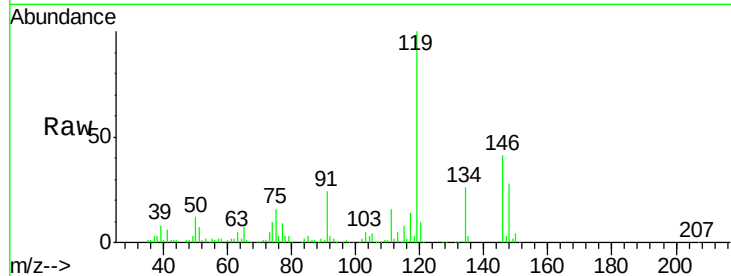
Instrument :
MSVOA_W

ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.5	61.5
148	64.8	31.4	94.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.201 ug/l

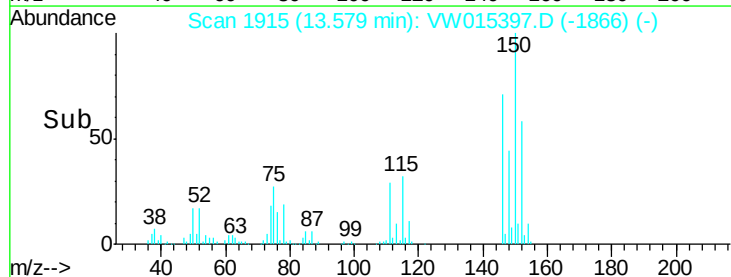
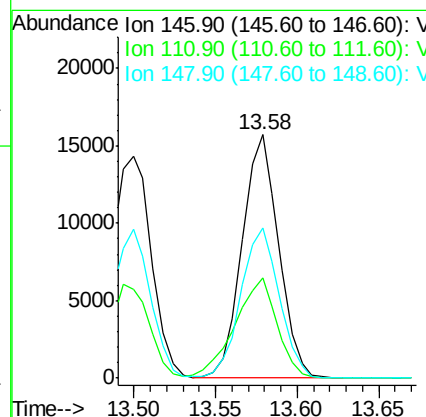
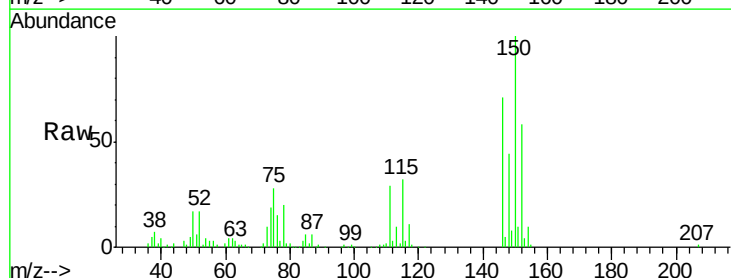
RT: 13.58 min Scan# 1915

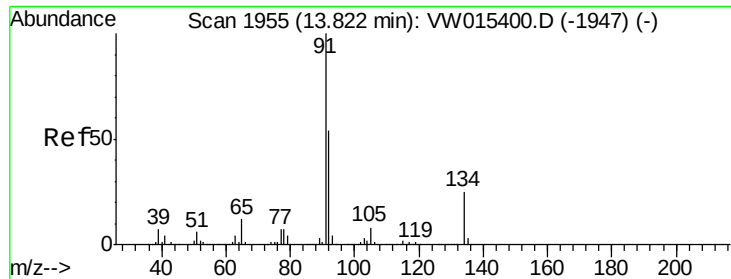
Delta R.T. 0.00 min

Lab File: VW015397.D

Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.0	20.0	60.0
148	65.3	31.4	94.3





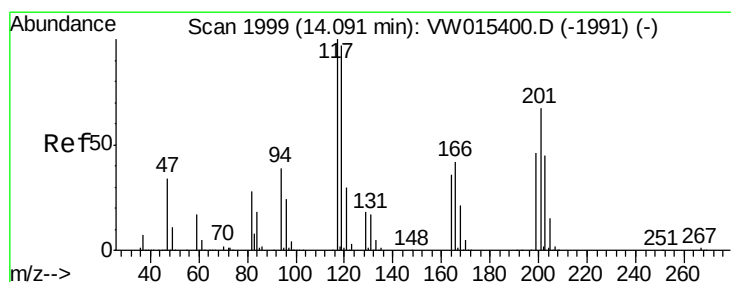
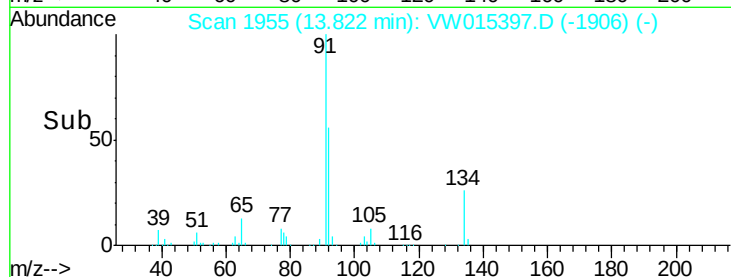
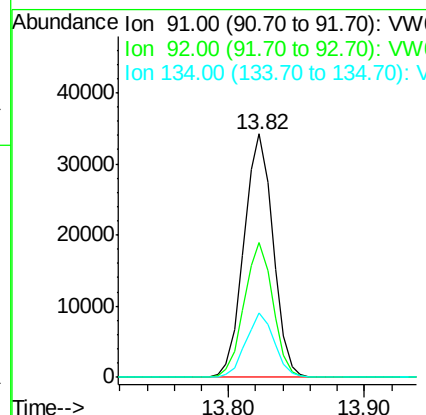
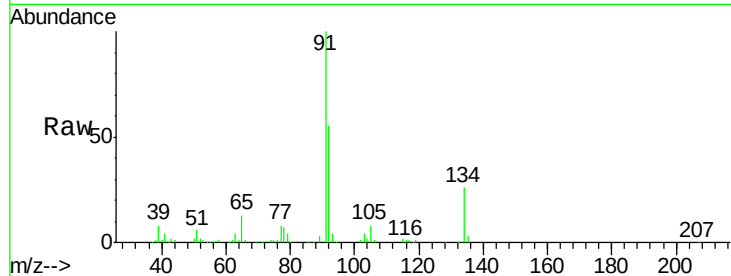
#89
n-Butylbenzene
Concen: 5.423 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.2	81.6
134	25.8	12.6	37.6

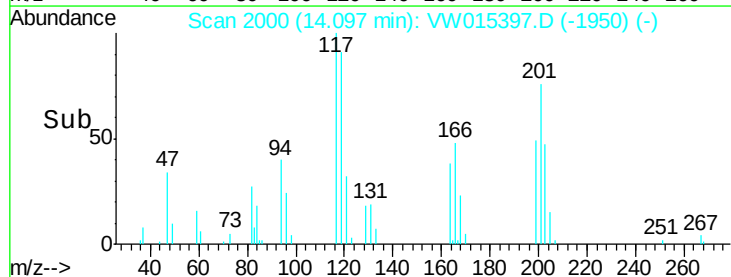
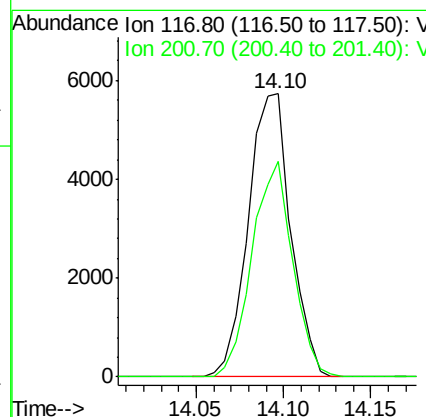
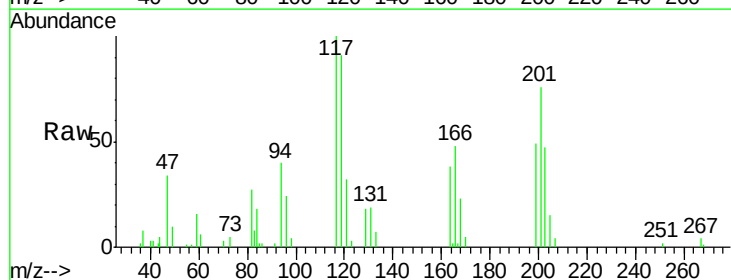
Manual Integrations
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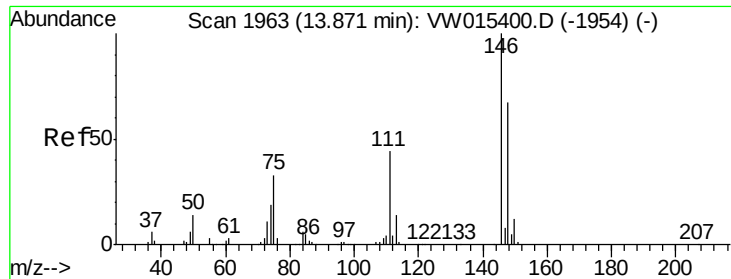
MMDadoda
5/6/2020 12:11:48 PM



#90
Hexachloroethane
Concen: 5.176 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.7	35.9	107.8





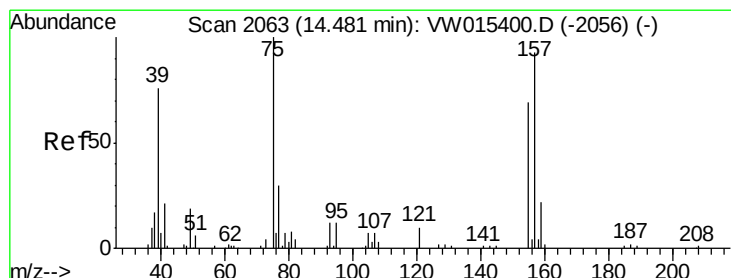
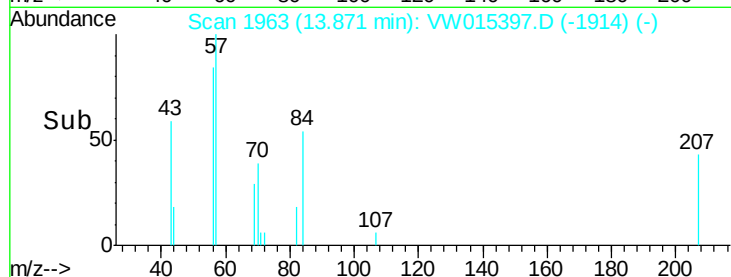
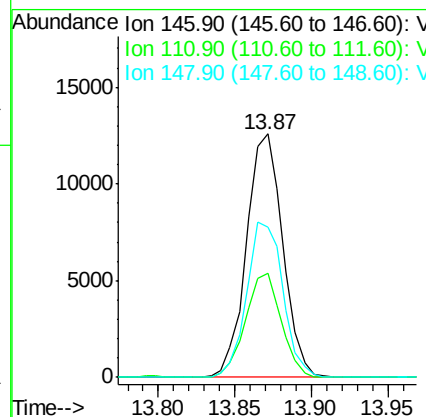
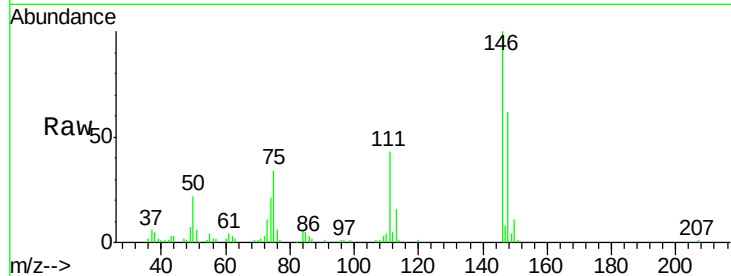
#91
 1,2-Dichlorobenzene
 Concen: 4.996 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	22.1	66.3
148	63.7	32.5	97.4

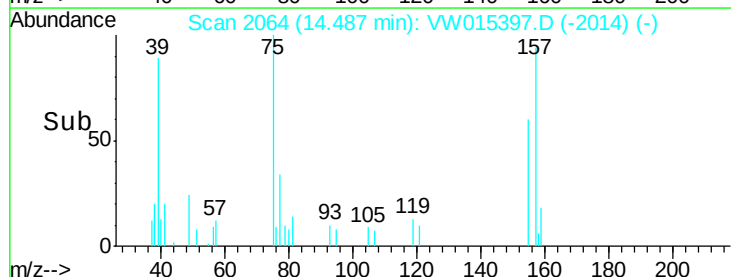
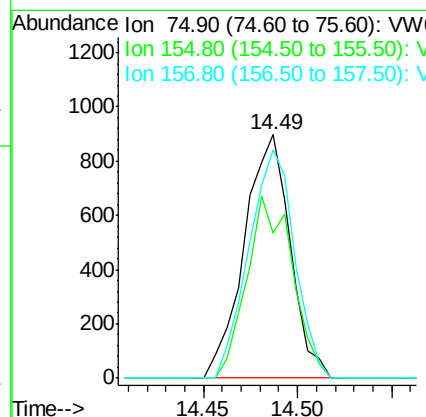
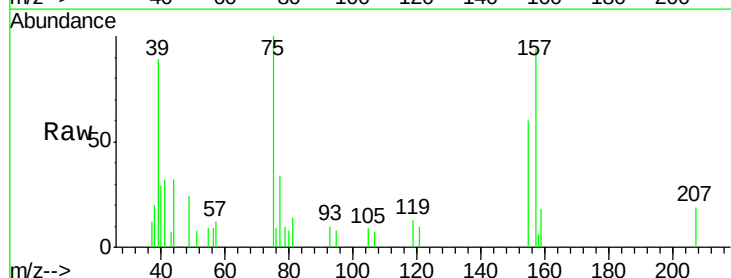
Manual Integrations
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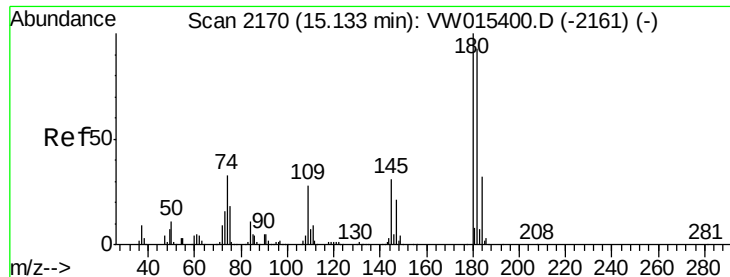
MMDadoda
 5/6/2020 12:11:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.472 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	38.7	116.1
157	93.6	48.1	144.4





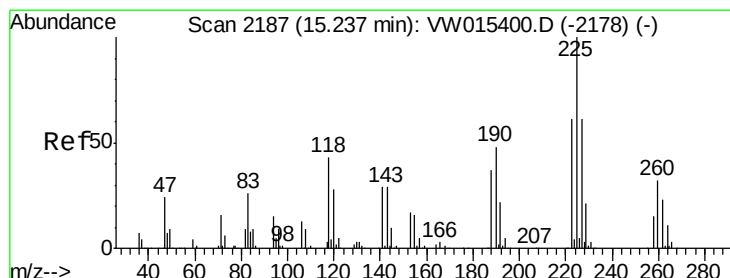
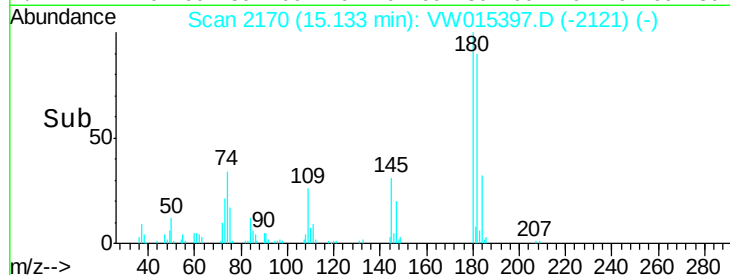
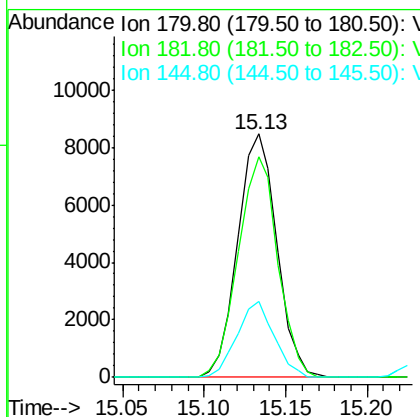
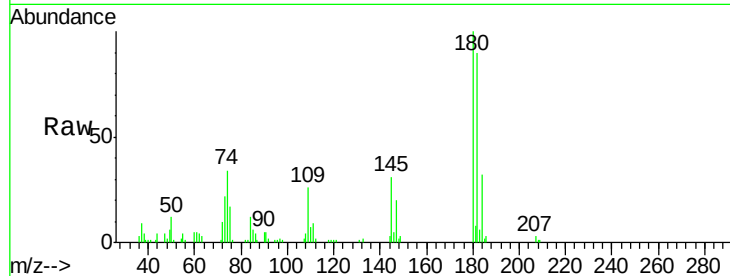
#93
 1,2,4-Trichlorobenzene
 Concen: 4.934 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	14158		
182	91.7	47.2	141.6	
145	29.7	15.6	46.8	

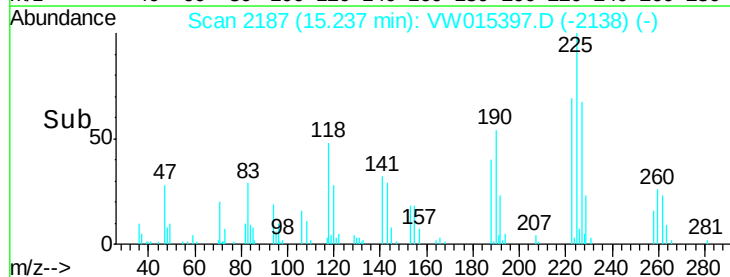
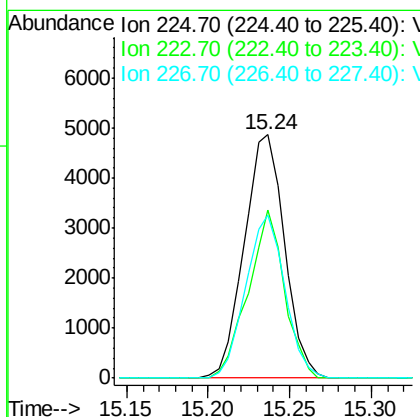
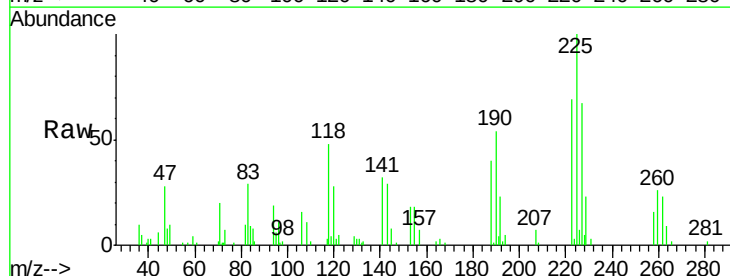
Manual Integrations
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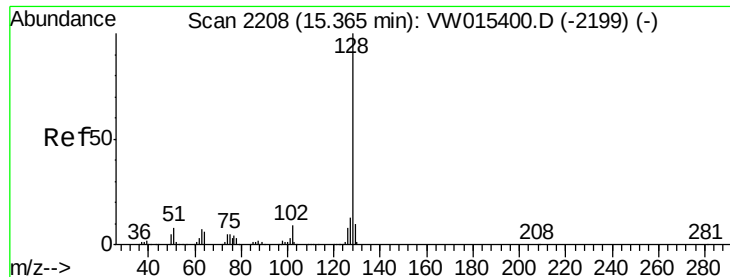
MMDadoda
 5/6/2020 12:11:48 PM



#94
 Hexachlorobutadiene
 Concen: 4.417 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015397.D
 Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	8363		
223	61.9	30.7	92.1	
227	64.8	32.0	96.0	





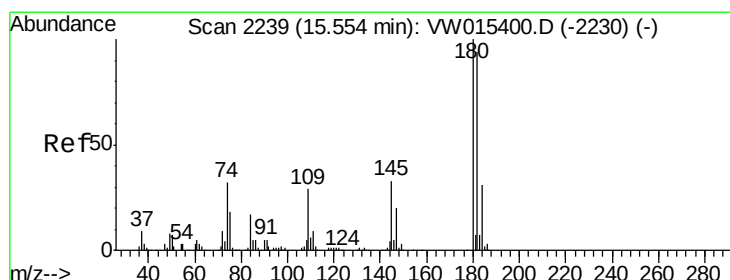
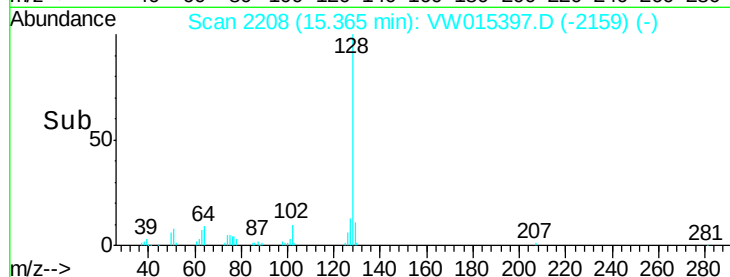
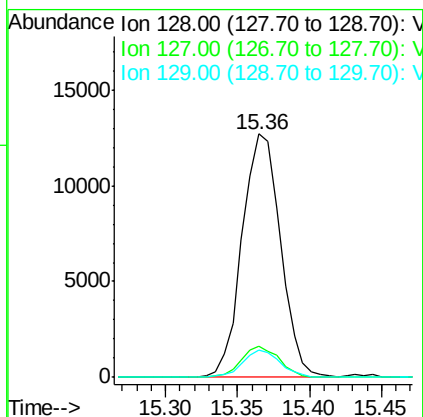
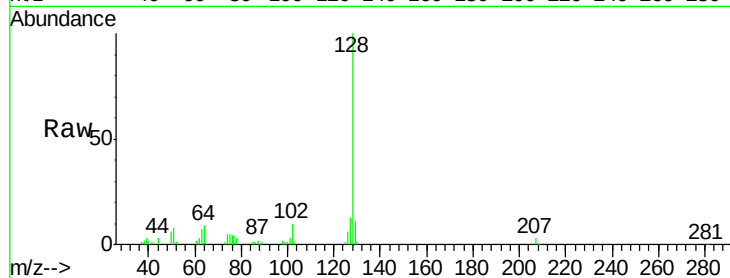
#95
Naphthalene
Concen: 4.979 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:11:48 PM



#96
1,2,3-Trichlorobenzene
Concen: 5.100 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015397.D
Acq: 05 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.8
145	32.6	16.3	48.8

