

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
 Data File : VX013052.D
 Acq On : 14 Oct 2019 15:19
 Operator : JC/SP
 Sample : VX1014WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1014WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 2:54:59 PM

Quant Time: Oct 15 04:58:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	181740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	303654	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	270973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	124971	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	116021	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	5.49	113	91950	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
50) Toluene-d8	8.71	98	348845	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	11.14	95	130869	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	34940	18.861	ug/l	99
3) Chloromethane	1.32	50	37145	18.424	ug/l	98
4) Vinyl Chloride	1.40	62	37684	18.109	ug/l	95
5) Bromomethane	1.63	94	18261	21.110	ug/l	99
6) Chloroethane	1.72	64	25814	20.527	ug/l	100
7) Trichlorofluoromethane	1.92	101	56404	20.082	ug/l	96
8) Diethyl Ether	2.18	74	22693	20.017	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	36082	19.850	ug/l	99
10) Methyl Iodide	2.50	142	33803	19.828	ug/l	98
11) Tert butyl alcohol	3.03	59	57461	95.425	ug/l	98
12) 1,1-Dichloroethene	2.36	96	35130	19.128	ug/l	96
13) Acrolein	2.28	56	27492	64.244	ug/l	99
14) Allyl chloride	2.72	41	61083	18.676	ug/l	99
15) Acrylonitrile	3.13	53	116337	101.949	ug/l	99
16) Acetone	2.44	43	100167	83.660	ug/l	98
17) Carbon Disulfide	2.56	76	84505	16.137	ug/l	100
18) Methyl Acetate	2.76	43	56604	19.945	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	130270	20.540	ug/l	100
20) Methylene Chloride	2.85	84	41356	18.794	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	37752	19.178	ug/l	97
22) Diisopropyl ether	3.84	45	127469	20.339	ug/l	91
23) Vinyl Acetate	3.80	43	541648	100.114	ug/l	100
24) 1,1-Dichloroethane	3.69	63	71311	20.226	ug/l	99
25) 2-Butanone	4.66	43	160508	96.627	ug/l	95
26) 2,2-Dichloropropane	4.57	77	55373	18.676	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	45124	19.887	ug/l	98
28) Bromochloromethane	5.00	49	23280	21.842	ug/l	95
29) Tetrahydrofuran	5.11	42	101196	98.999	ug/l	98
30) Chloroform	5.20	83	72656	20.083	ug/l	97
31) Cyclohexane	5.57	56	63041	19.121	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	63074	20.576	ug/l	98
36) 1,1-Dichloropropene	5.79	75	52317	19.596	ug/l	99
37) Ethyl Acetate	4.82	43	59868	20.054	ug/l	99
38) Carbon Tetrachloride	5.78	117	51918	19.979	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	61748	19.072	ug/l	99
40) Benzene	6.13	78	163376	20.720	ug/l	96
41) Methacrylonitrile	5.03	41	33560	20.459	ug/l	100
42) 1,2-Dichloroethane	6.18	62	58862	20.804	ug/l	100
43) Isopropyl Acetate	6.43	43	96488	20.137	ug/l	99
44) Trichloroethene	7.20	130	42674	19.517	ug/l	95
45) 1,2-Dichloropropane	7.51	63	40826	20.315	ug/l	98
46) Dibromomethane	7.65	93	27685	20.677	ug/l	98
47) Bromodichloromethane	7.89	83	53714	20.557	ug/l	96
48) Methyl methacrylate	7.76	41	46482	19.907	ug/l	98
49) 1,4-Dioxane	7.74	88	23309	394.028	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	308969	103.425	ug/l	100
52) Toluene	8.78	92	102326	20.284	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	57814	19.129	ug/l	94
54) cis-1,3-Dichloropropene	8.43	75	64323	20.015	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	41458	20.767	ug/l	98
56) Ethyl methacrylate	9.17	69	64974	19.341	ug/l	99
57) 1,3-Dichloropropane	9.37	76	70819	20.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	154045	105.038	ug/l	98
59) 2-Hexanone	9.49	43	231445	99.526	ug/l	100
60) Dibromochloromethane	9.58	129	40603	19.455	ug/l	99
61) 1,2-Dibromoethane	9.67	107	43763	20.839	ug/l	98
64) Tetrachloroethene	9.33	164	39809	21.181	ug/l	90
65) Chlorobenzene	10.14	112	108481	20.160	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	39572	21.210	ug/l	99
67) Ethyl Benzene	10.25	91	196150	20.521	ug/l	99
68) m/p-Xylenes	10.35	106	146505	41.028	ug/l	99
69) o-Xylene	10.70	106	70608	20.277	ug/l	99
70) Styrene	10.71	104	121236	20.480	ug/l	99
71) Bromoform	10.85	173	26587	18.812	ug/l #	99
73) Isopropylbenzene	11.01	105	188337	20.498	ug/l	99
74) N-amyl acetate	10.89	43	78813	19.917	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	63599	20.811	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	60480m	21.819	ug/l	
77) Bromobenzene	11.25	156	44282	20.452	ug/l	98
78) n-propylbenzene	11.35	91	205631	20.339	ug/l	99
79) 2-Chlorotoluene	11.42	91	129325	20.353	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	159403	20.777	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	17853	19.294	ug/l	96
82) 4-Chlorotoluene	11.51	91	145658	20.000	ug/l	98
83) tert-Butylbenzene	11.77	119	152837	20.422	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	162687	20.938	ug/l	99
85) sec-Butylbenzene	11.94	105	181637	20.949	ug/l	98
86) p-Isopropyltoluene	12.06	119	163264	20.303	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	78498	19.523	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	79013	19.404	ug/l	99
89) n-Butylbenzene	12.39	91	137367	20.325	ug/l	99
90) Hexachloroethane	12.59	117	26313	19.037	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	79542	20.179	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13995	19.539	ug/l	97

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Instrument :
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ClientSampleId :
VX1014WBSD01

Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	47165	19.101	ug/l	94
94) Hexachlorobutadiene	13.78	225	22885	20.083	ug/l	98
95) Naphthalene	13.83	128	171217	20.003	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	51036	20.001	ug/l	96

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

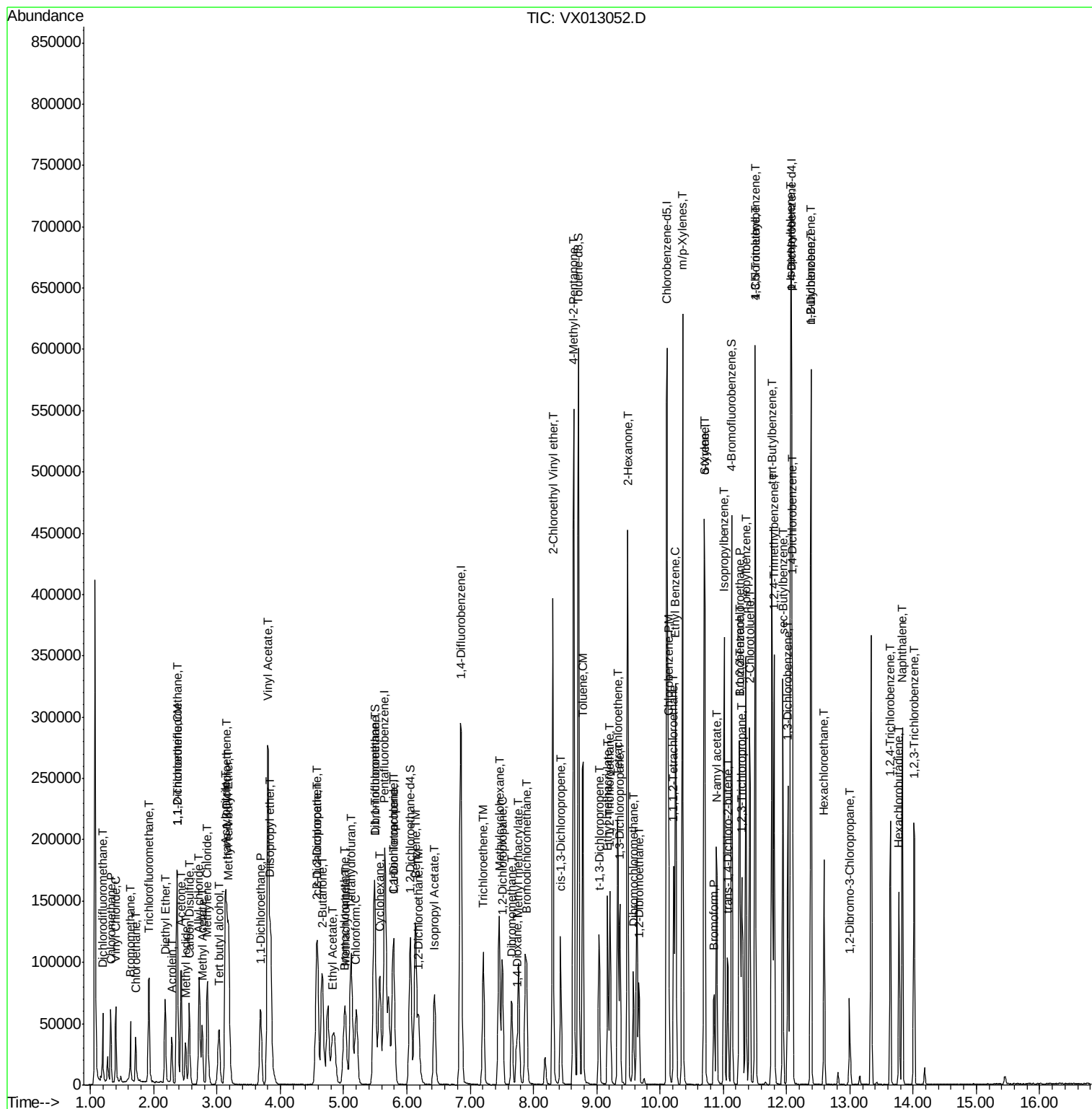
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101419\
Data File : VX013052.D
Acq On    : 14 Oct 2019   15:19
Operator  : JC/SP
Sample    : VX1014WBSD01
Misc      : 5.0mL/MSVOA X/WATER
ALS Vial  : 17      Sample Multiplier: 1
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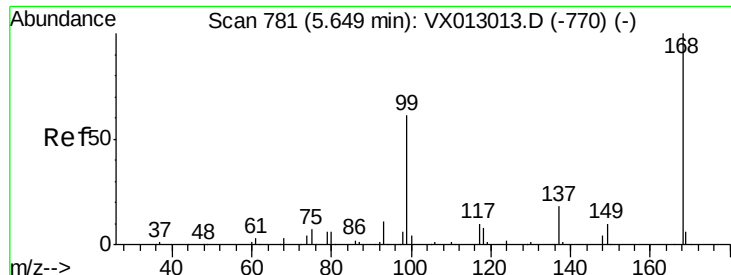
Instrument :
MSVOA_X
ClientSampleId :
VX1014WBSD01

Manual Integrations APPROVED

MMDadoda
10/21/2019 2:54:59 PM

Quant Time: Oct 15 04:58:23 2019
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Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX1014WBSD01

Tot Ion:168 Resp: 181740

Ion Ratio Lower Upper

168 100

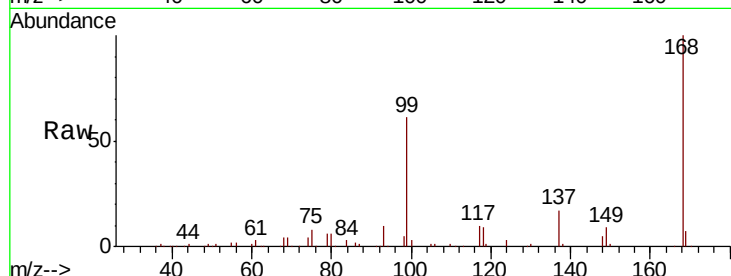
99 60.6 49.4 74.0

Manual Integrations

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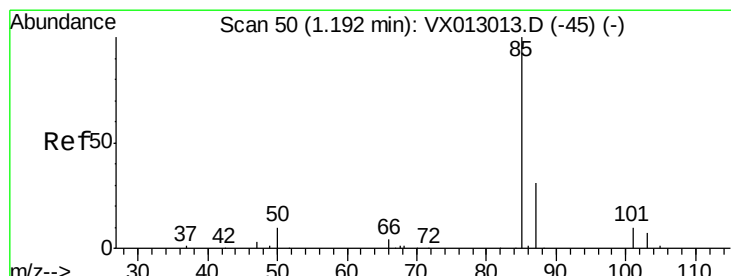
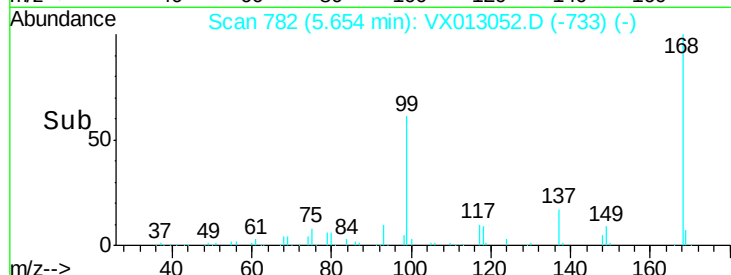
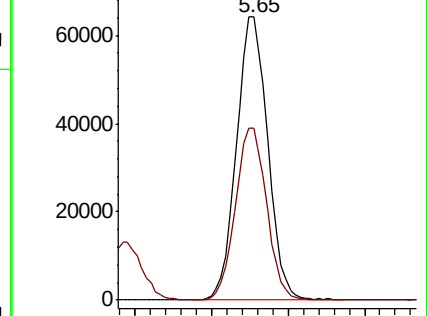
MMDadoda

10/21/2019 2:54:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.861 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX013052.D

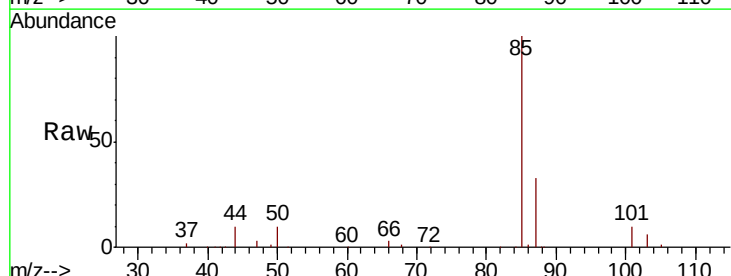
Acq: 14 Oct 2019 15:19

Tgt Ion: 85 Resp: 34940

Ion Ratio Lower Upper

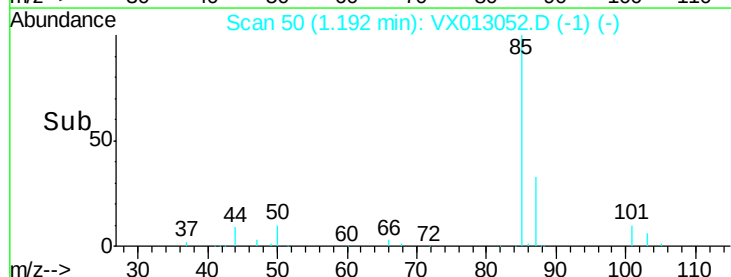
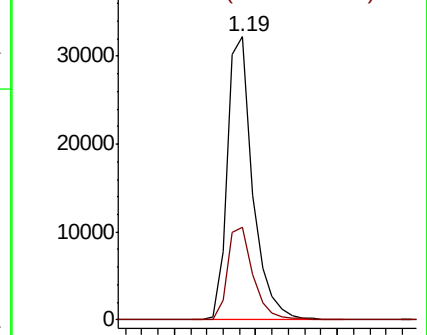
85 100

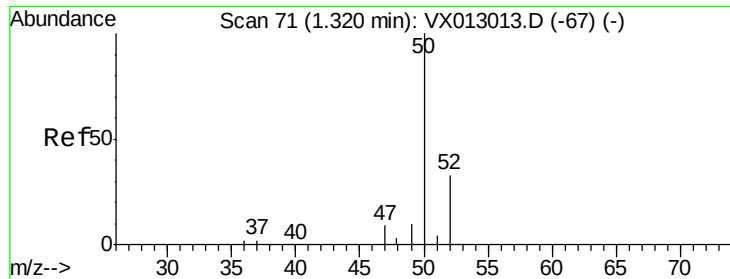
87 32.6 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.424 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX1014WBSD01

Tot Ion: 50 Resp: 37145

Ion Ratio Lower Upper

50 100

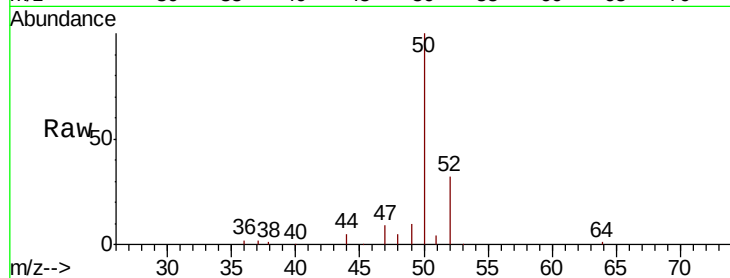
52 32.4 25.2 37.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

40000

30000

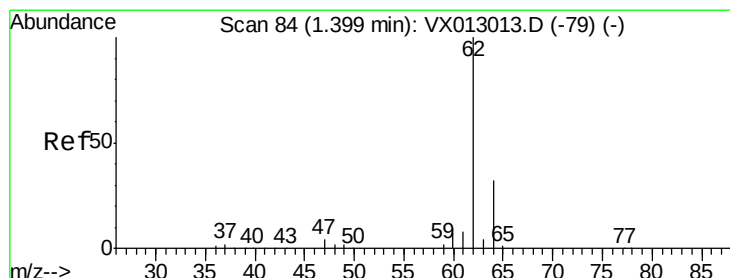
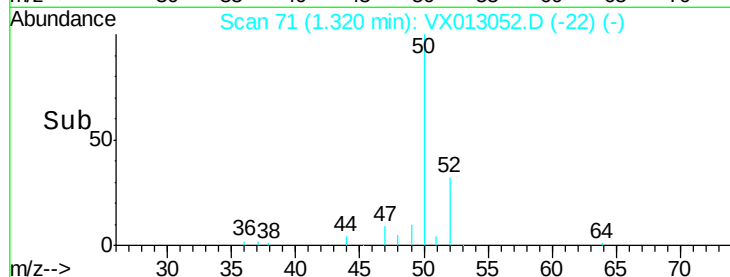
20000

10000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 18.109 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013052.D

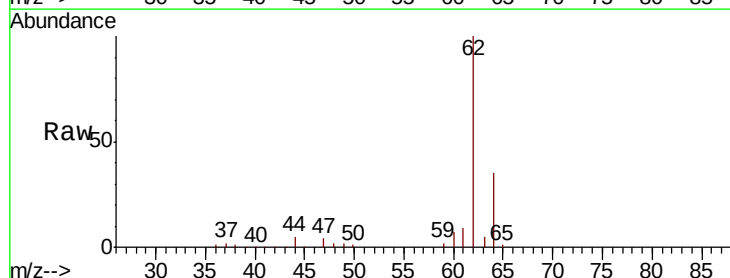
Acq: 14 Oct 2019 15:19

Tgt Ion: 62 Resp: 37684

Ion Ratio Lower Upper

62 100

64 34.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

40000

30000

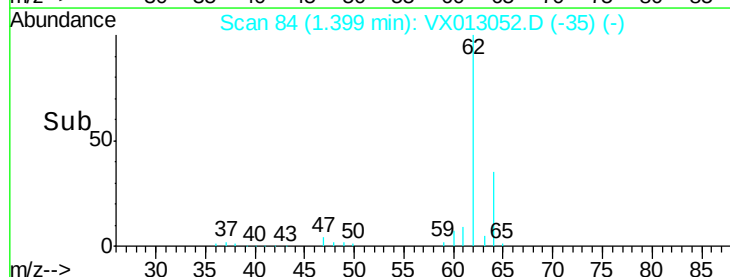
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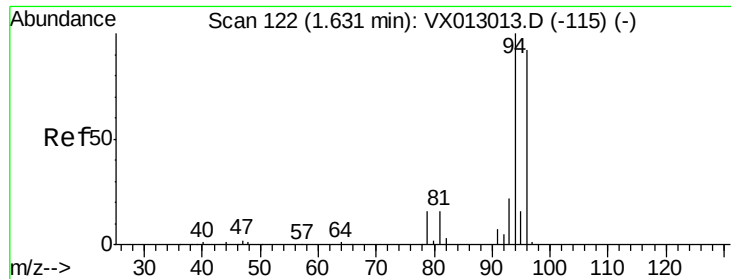
10000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 21.110 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX1014WBSD01

Tot Ion: 94 Resp: 18261

Ion Ratio Lower Upper

94 100

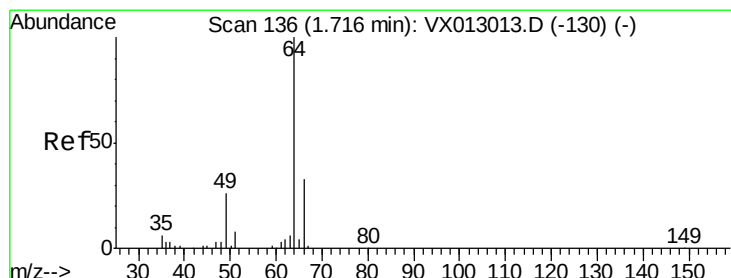
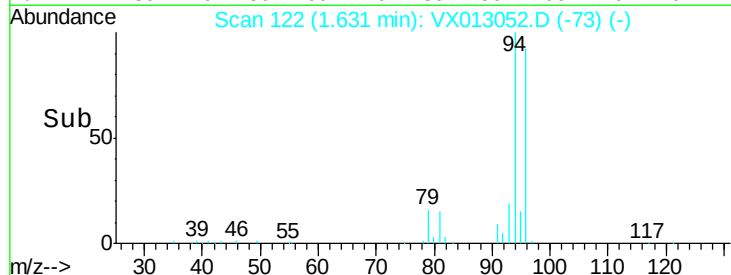
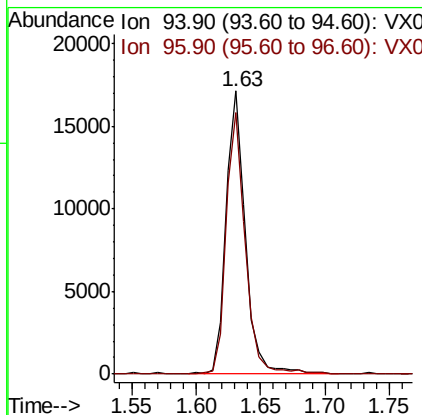
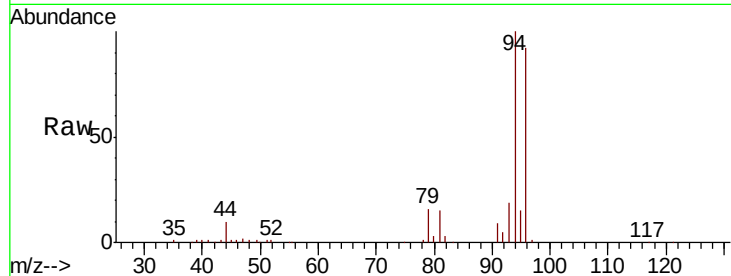
96 92.2 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 20.527 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013052.D

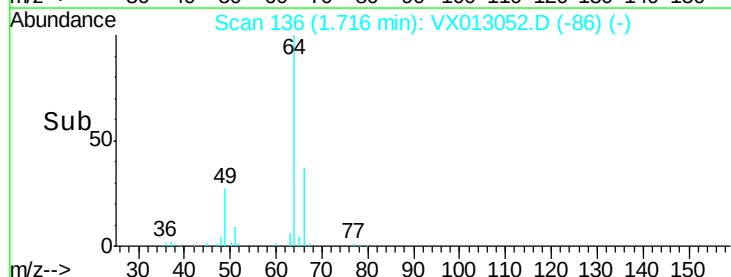
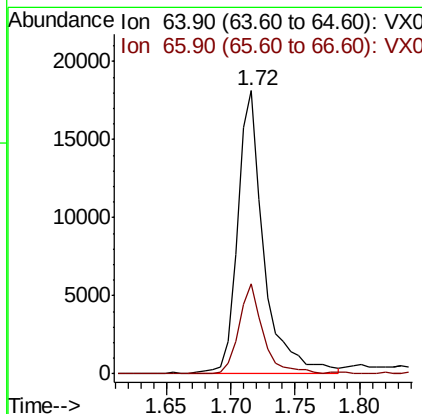
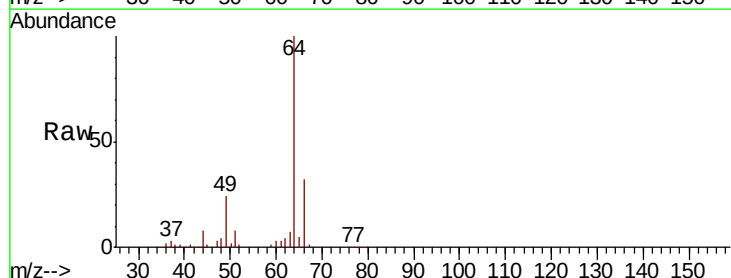
Acq: 14 Oct 2019 15:19

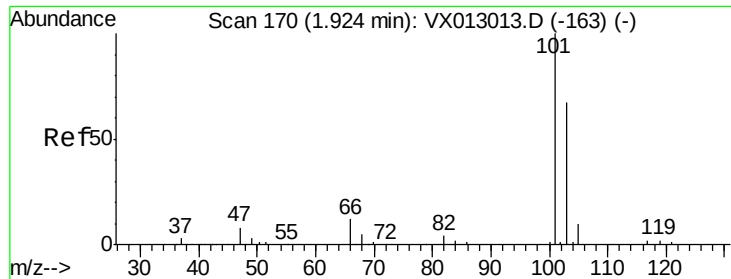
Tgt Ion: 64 Resp: 25814

Ion Ratio Lower Upper

64 100

66 31.9 25.6 38.4





#7

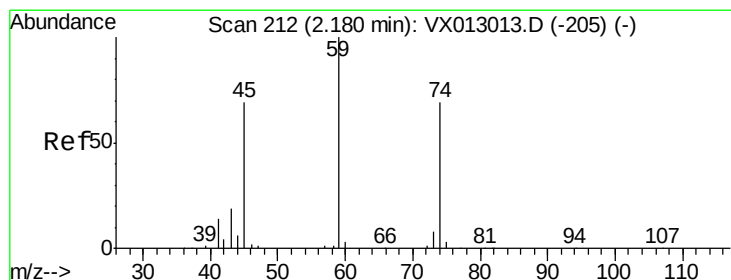
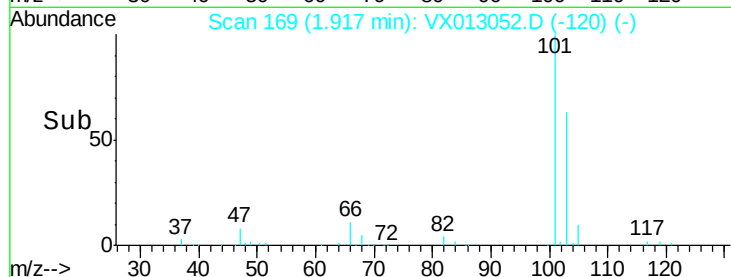
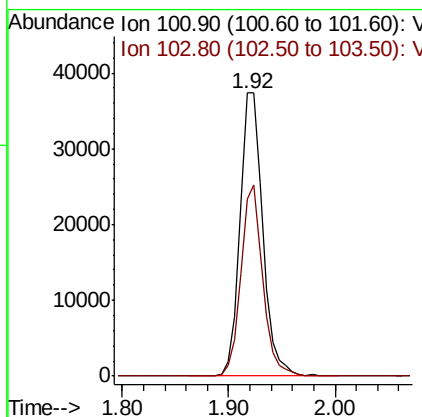
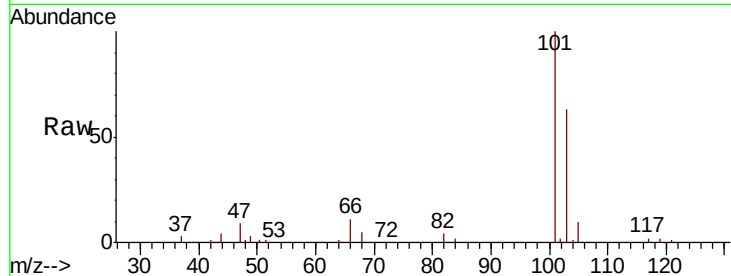
Trichlorofluoromethane
Concen: 20.082 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX1014WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	52.5	78.7

Manual Integrations
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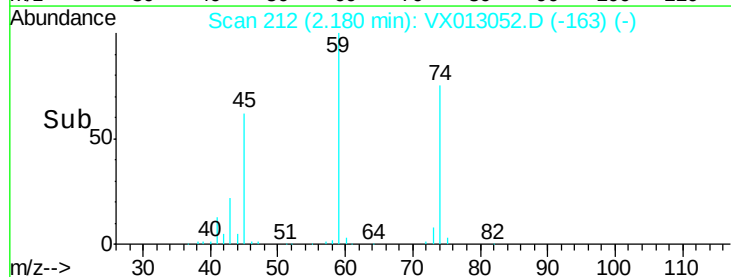
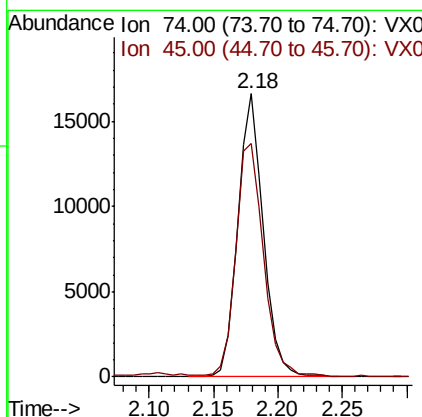
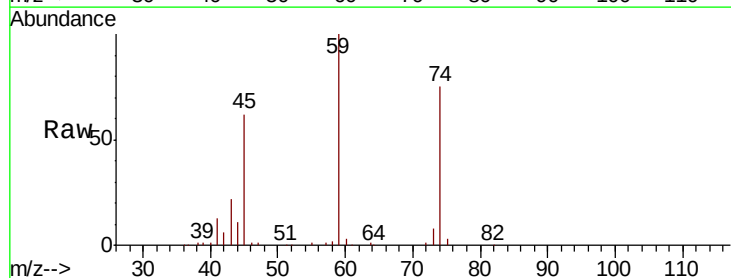
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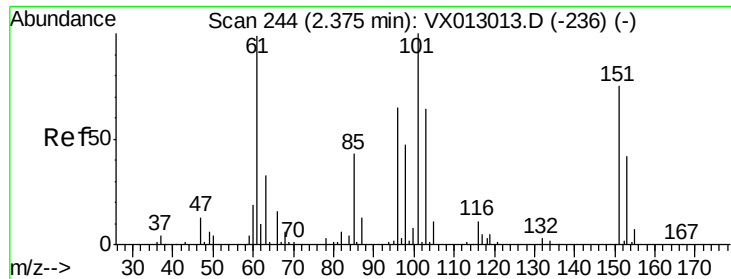


#8

Diethyl Ether
Concen: 20.017 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.7	47.8	143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.850 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

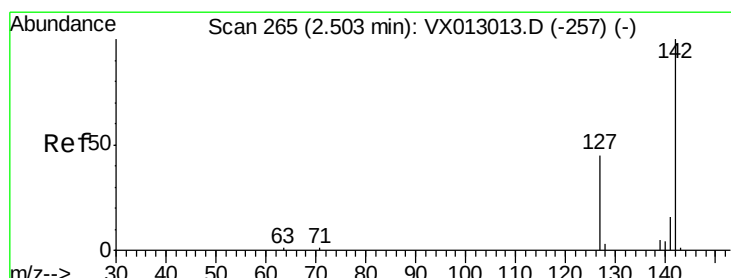
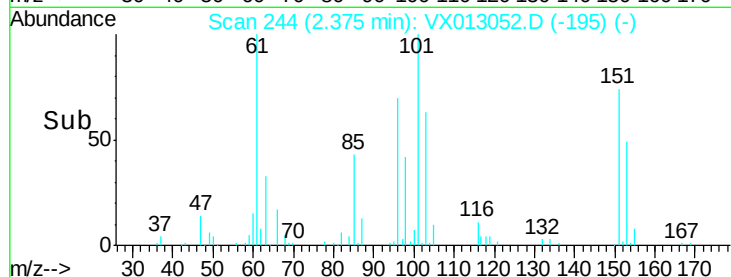
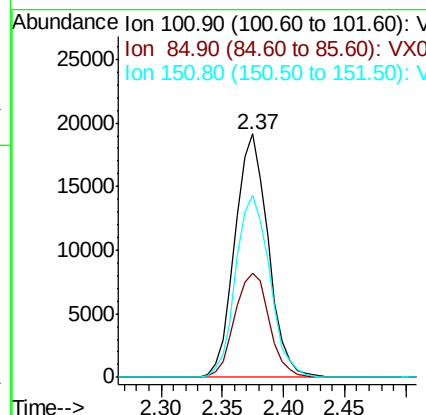
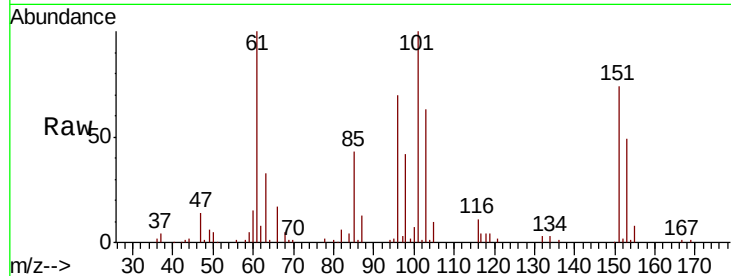
ClientSampleId :

VX1014WBSD01

Tot Ion:	101	Resp:	36082
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.2	52.8
151	76.8	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 19.828 ug/l

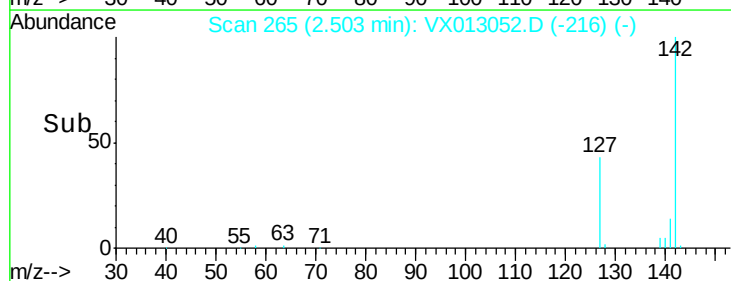
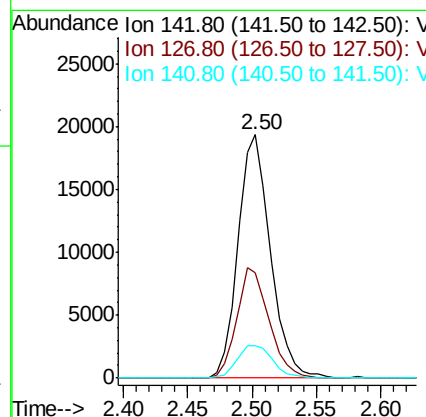
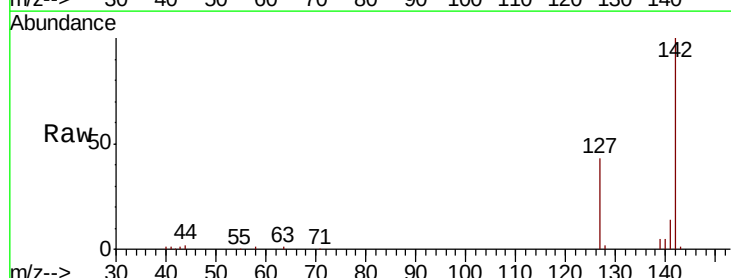
RT: 2.50 min Scan# 265

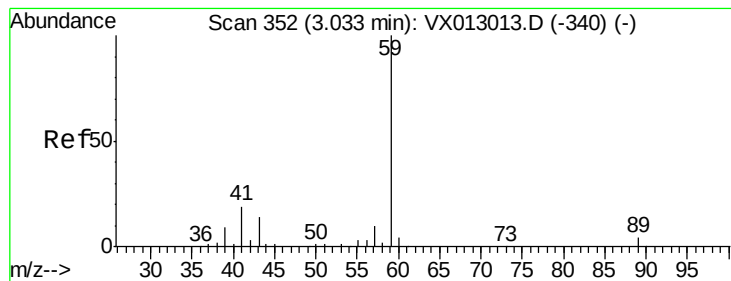
Delta R.T. 0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Tgt Ion:	142	Resp:	33803
Ion Ratio	Lower	Upper	
142	100		
127	45.2	34.9	52.3
141	14.7	11.6	17.4





#11

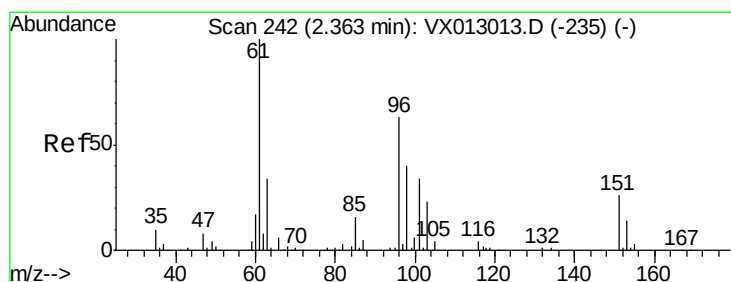
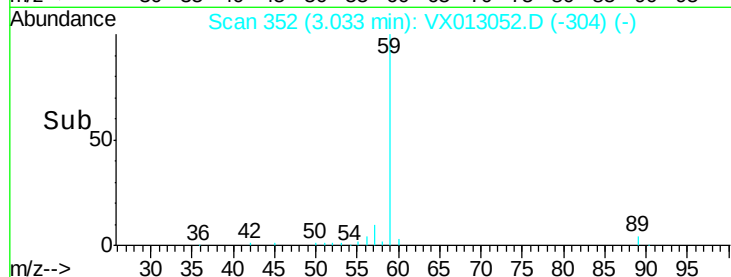
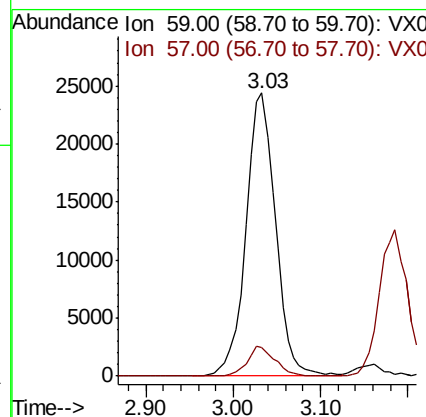
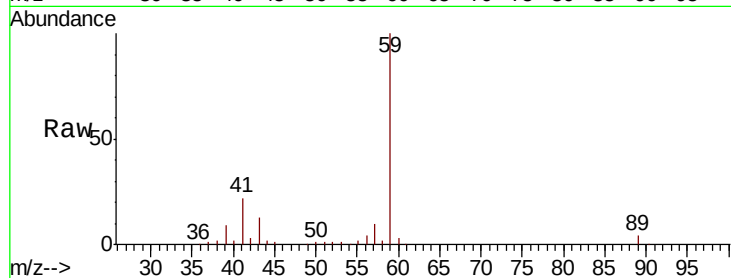
Tert butyl alcohol
 Concen: 95.425 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1014WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

Manual Integrations
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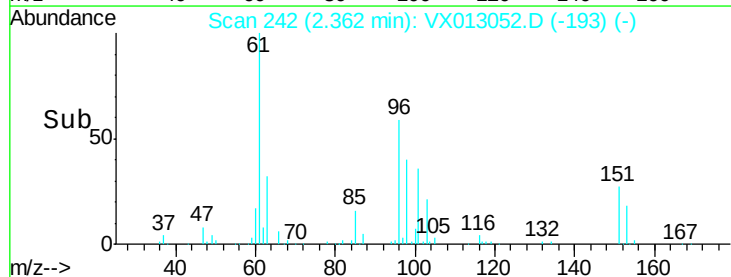
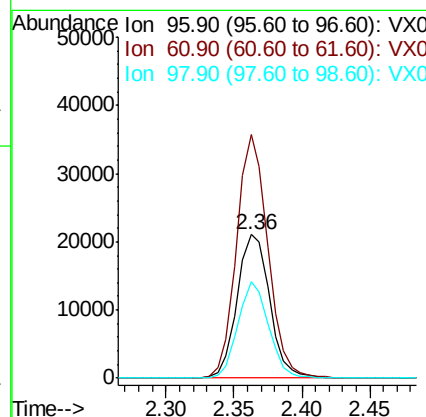
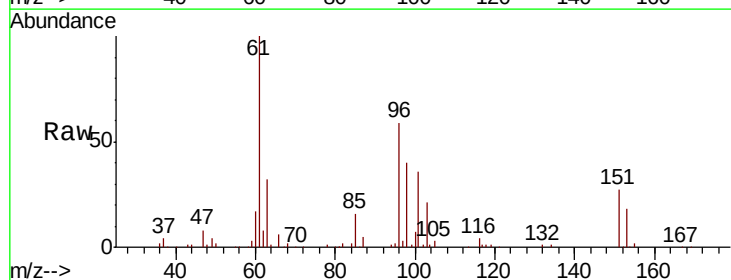
MMDadoda
 10/21/2019 2:54:59 PM

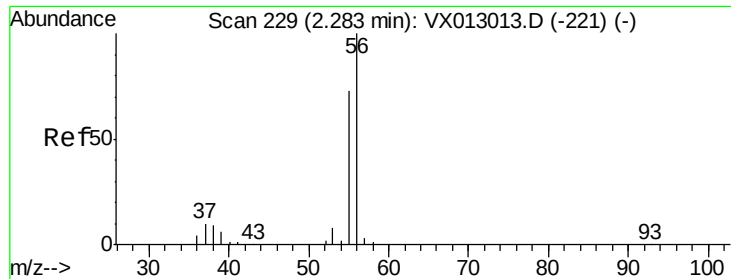


#12

1,1-Dichloroethene
 Concen: 19.128 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.0	132.2	198.4
98	67.4	50.5	75.7





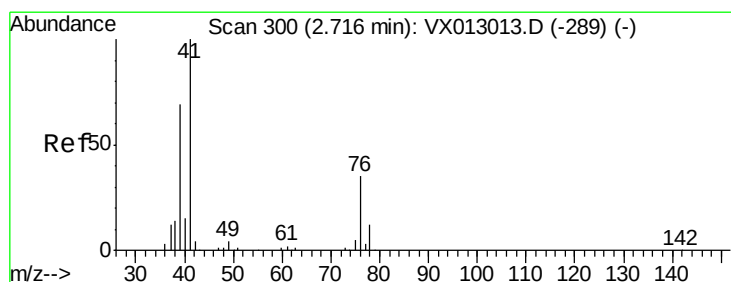
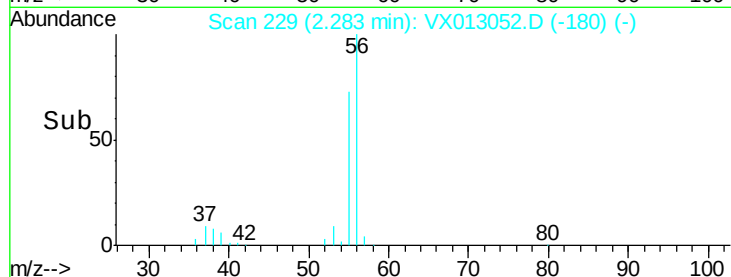
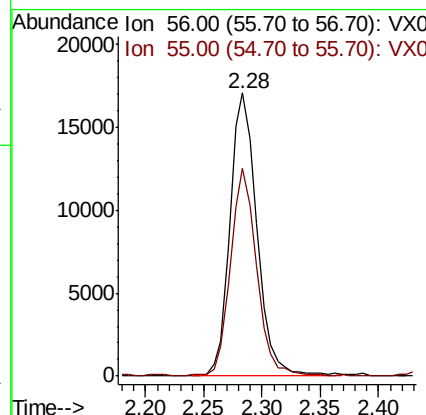
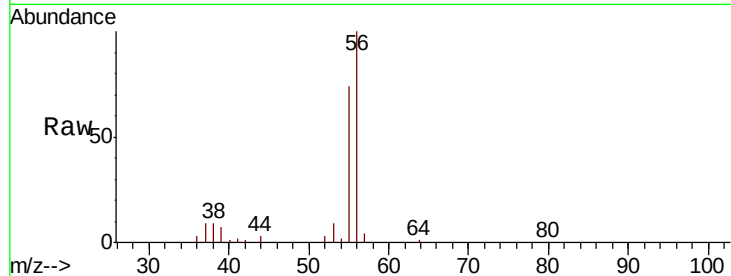
#13
Acrolein
Concen: 64.244 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX1014WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.9	56.6	85.0

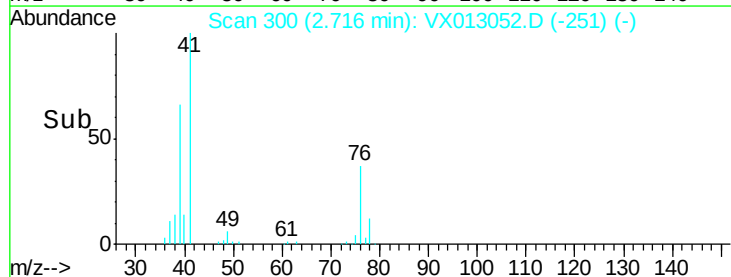
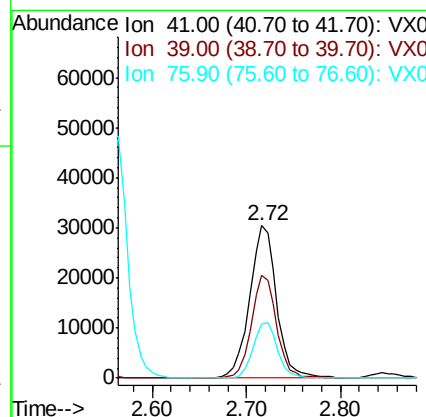
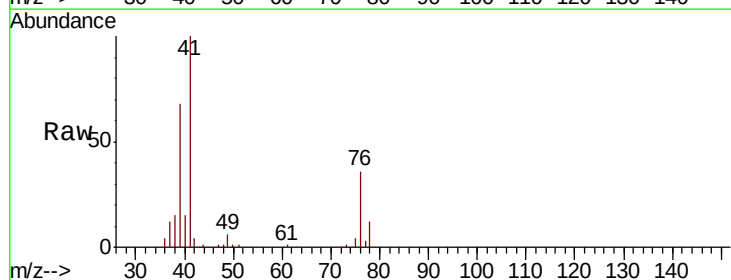
Manual Integrations
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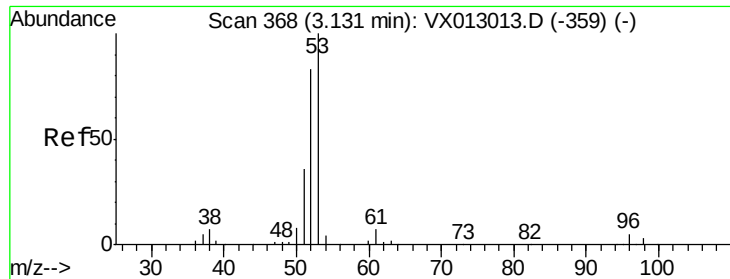
MMDadoda
10/21/2019 2:54:59 PM



#14
Allyl chloride
Concen: 18.676 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.4	51.0	76.6
76	33.3	26.2	39.4





#15

Acrylonitrile

Concen: 101.949 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

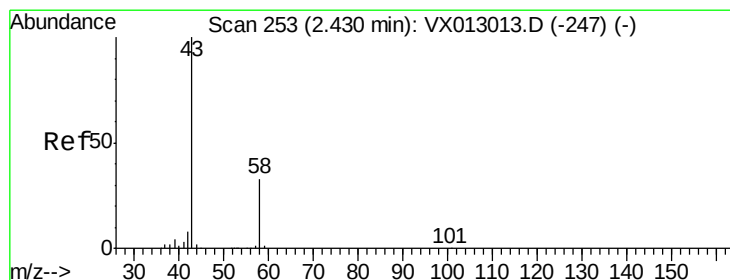
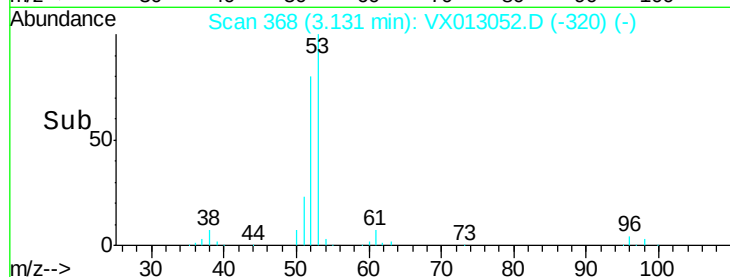
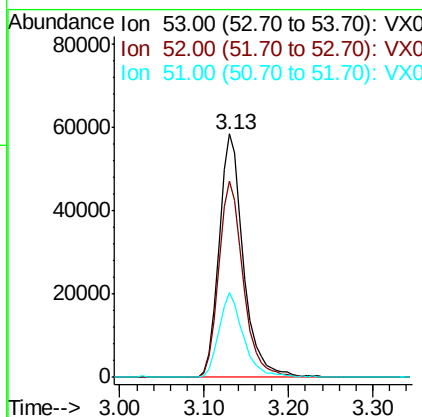
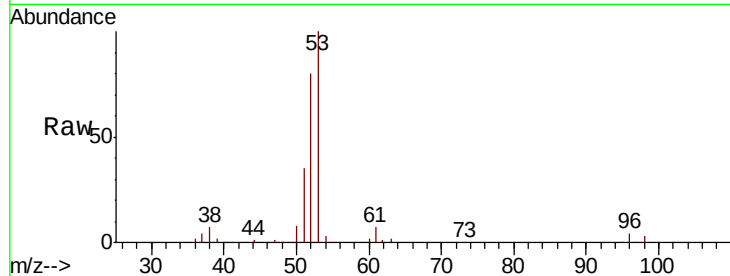
ClientSampleId :

VX1014WBSD01

Tot Ion:	53	Resp:	116337
Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.2	99.2
51	35.5	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 83.660 ug/l

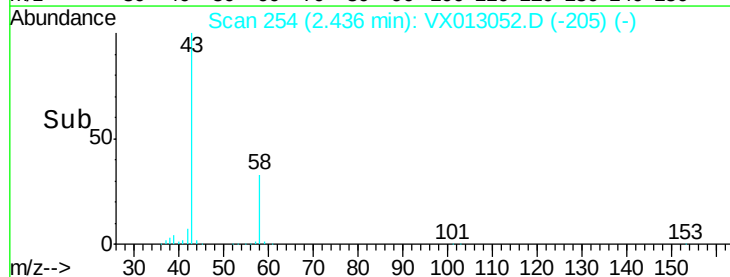
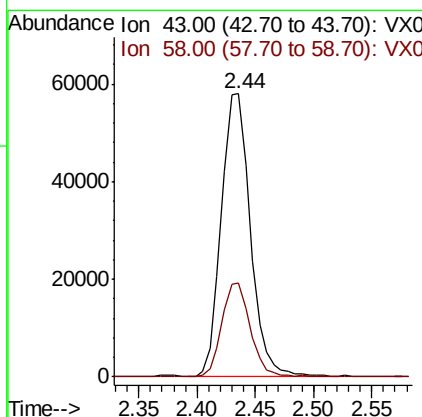
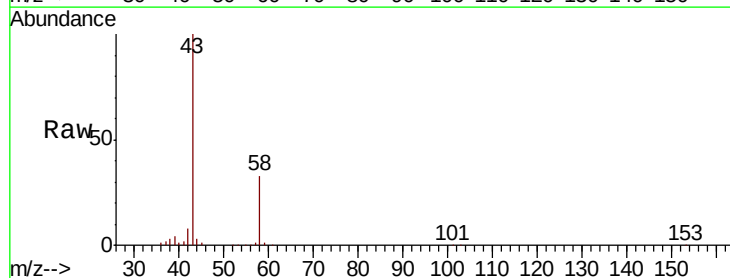
RT: 2.44 min Scan# 254

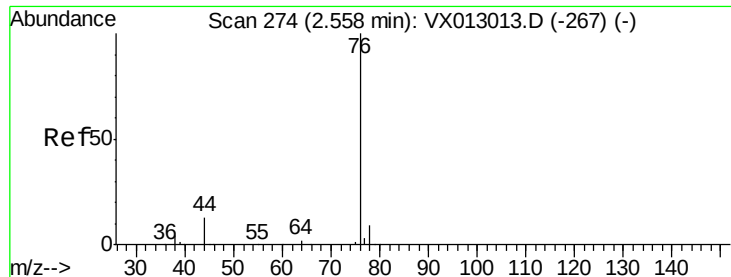
Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Tgt Ion:	43	Resp:	100167
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.4	38.2





#17

Carbon Disulfide

Concen: 16.137 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX1014WBSD01

Tot Ion: 76 Resp: 84505

Ion Ratio Lower Upper

76 100

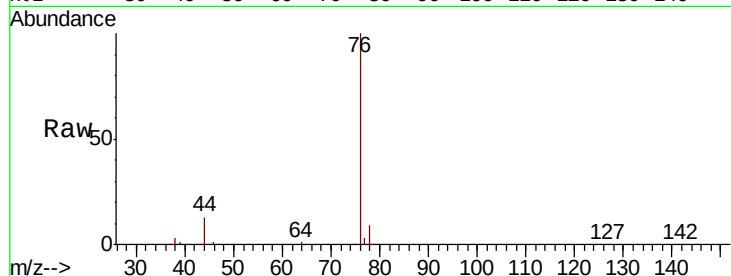
78 9.0 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

50000

40000

30000

20000

10000

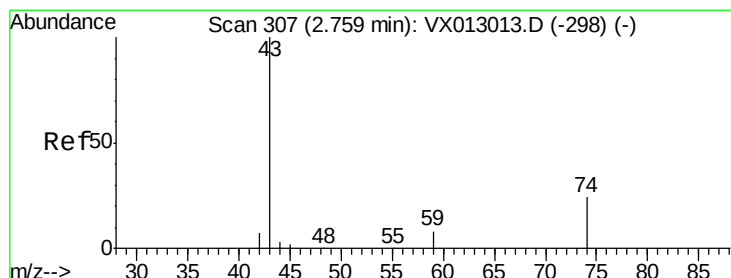
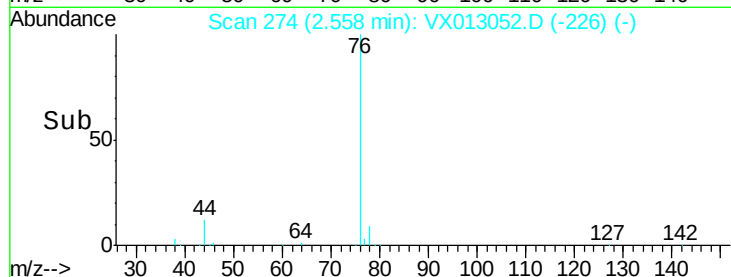
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 19.945 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX013052.D

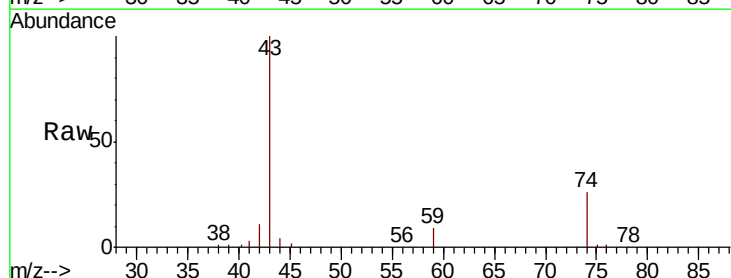
Acq: 14 Oct 2019 15:19

Tgt Ion: 43 Resp: 56604

Ion Ratio Lower Upper

43 100

74 24.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

30000

20000

10000

0

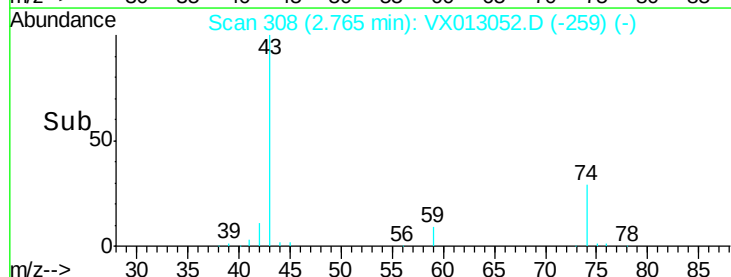
Time-->

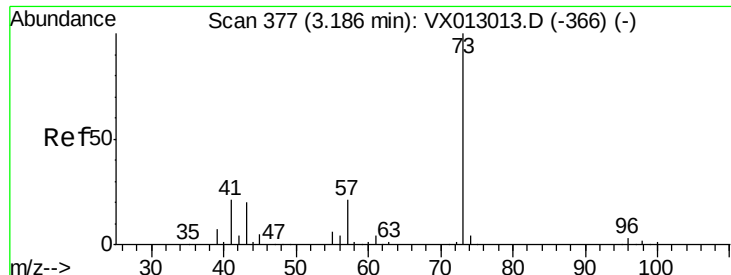
2.60

2.70

2.80

2.90





#19

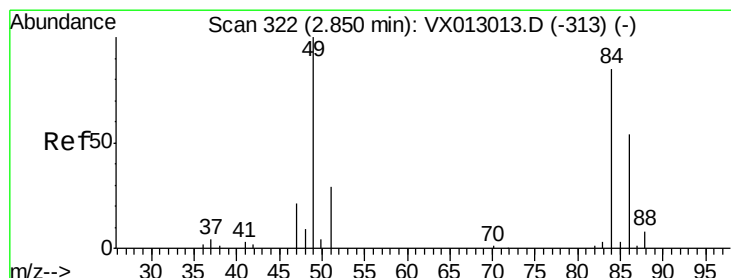
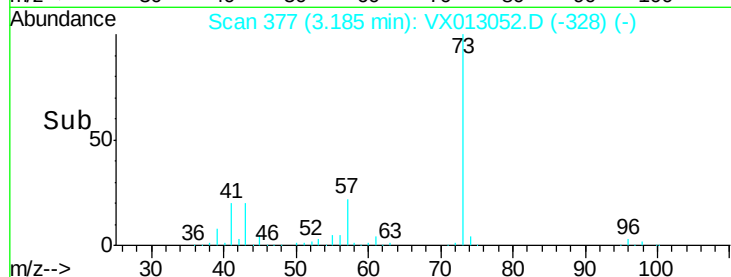
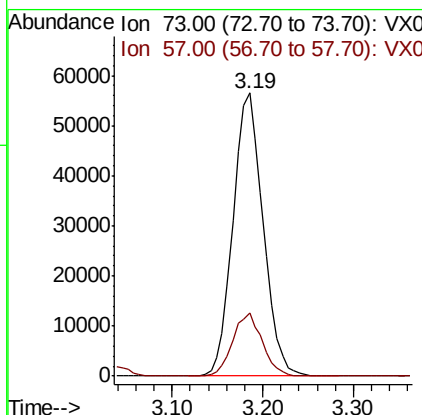
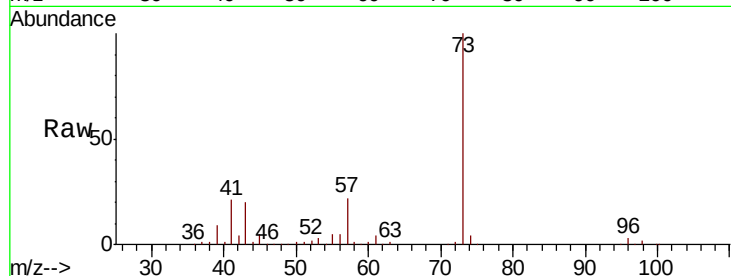
Methyl tert-butyl Ether
 Concen: 20.540 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1014WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.8	26.6

Manual Integrations
 APPROVED

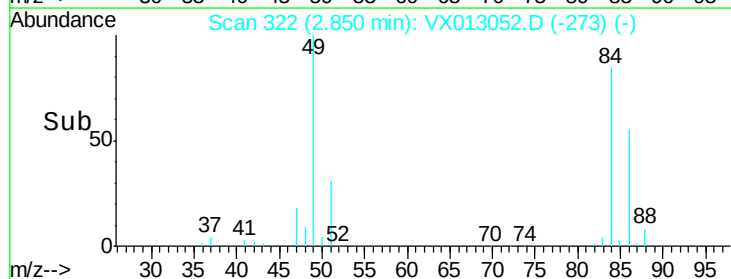
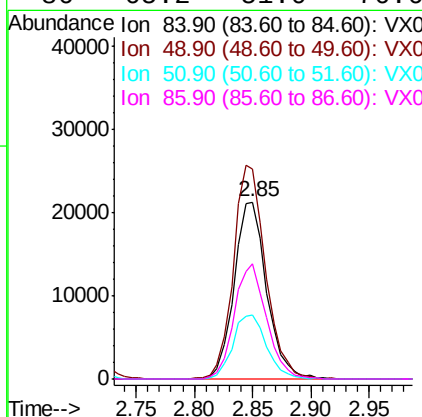
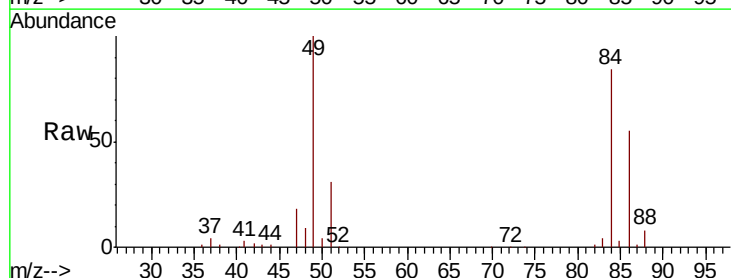
MMDadoda
 10/21/2019 2:54:59 PM

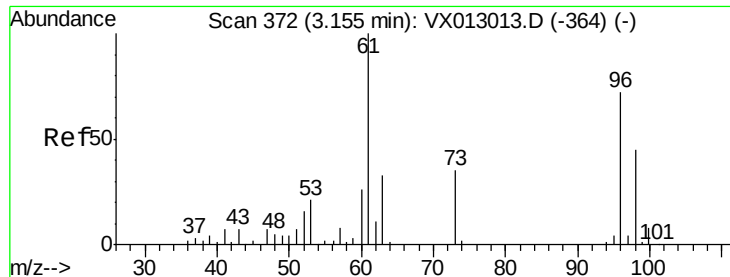


#20

Methylene Chloride
 Concen: 18.794 ug/l
 RT: 2.85 min Scan# 322
 Delta R.T. -0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.1	96.6	144.8
51	36.5	30.7	46.1
86	65.2	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 19.178 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

ClientSampled :

VX1014WBSD01

Tot Ion: 96 Resp: 37752

Ion Ratio Lower Upper

96 100

61 142.3 110.4 165.6

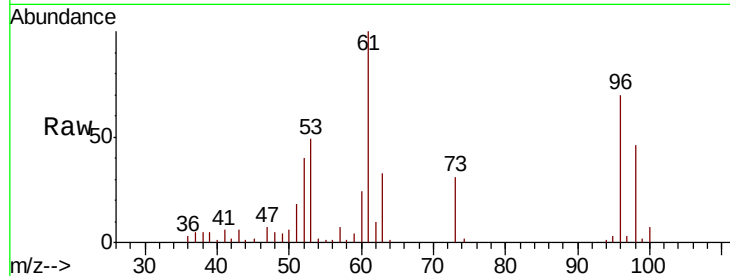
98 64.8 51.5 77.3

Manual Integrations

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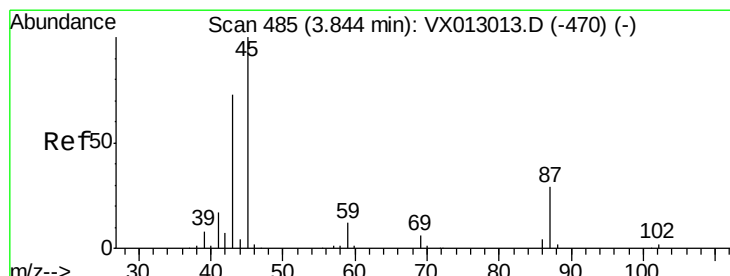
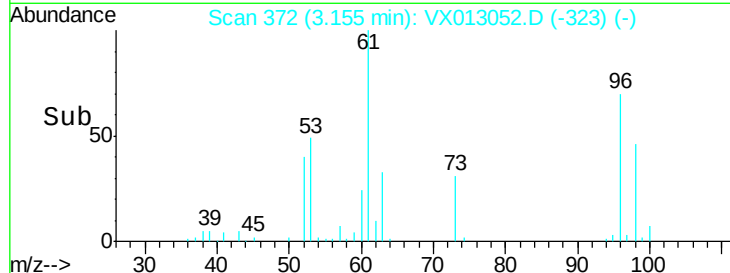
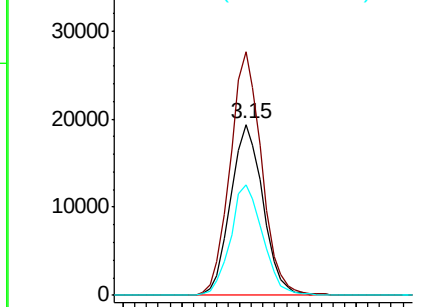


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.339 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Tgt Ion: 45 Resp: 127469

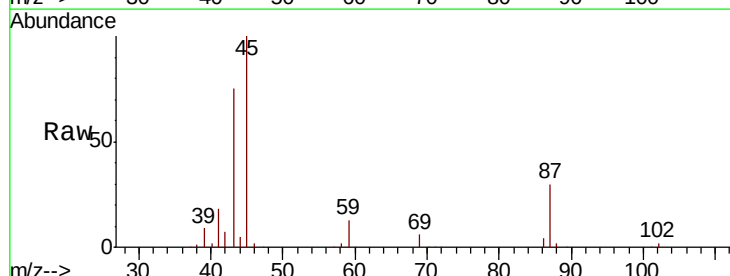
Ion Ratio Lower Upper

45 100

43 74.2 51.4 77.0

87 29.7 22.5 33.7

59 13.3 9.7 14.5



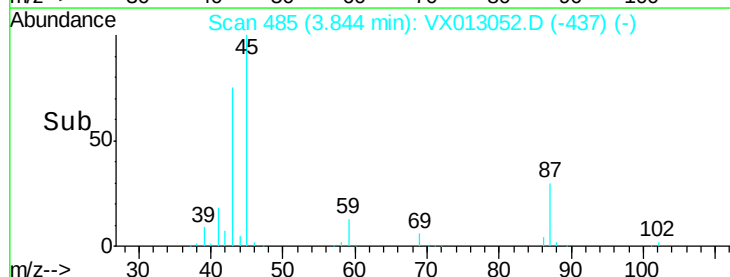
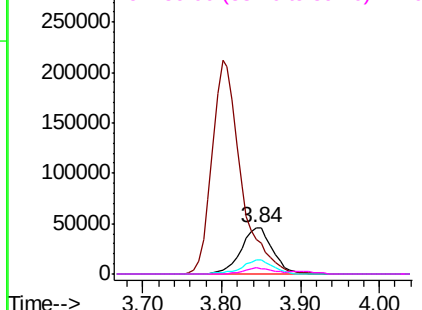
Abundance

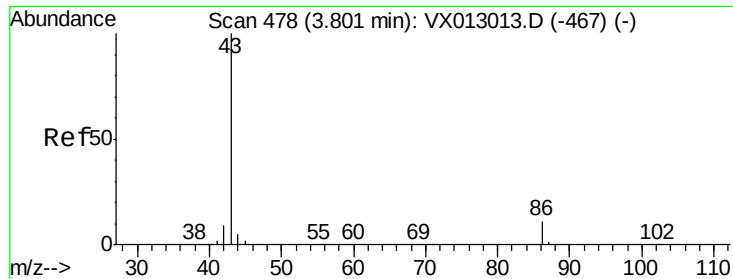
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 100.114 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX1014WBSD01

Tot Ion: 43 Resp: 541648

Ion Ratio Lower Upper

43 100

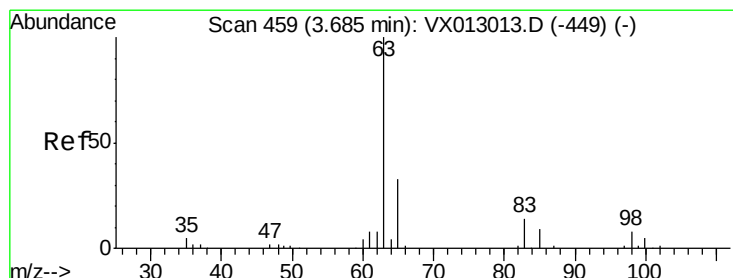
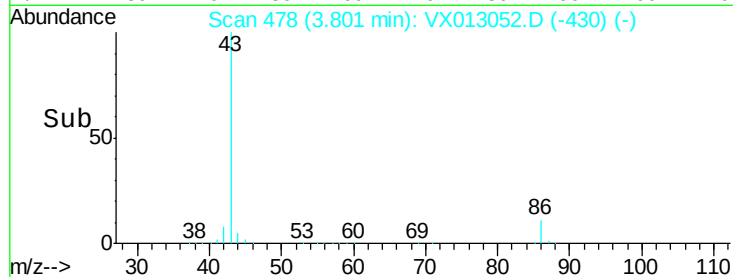
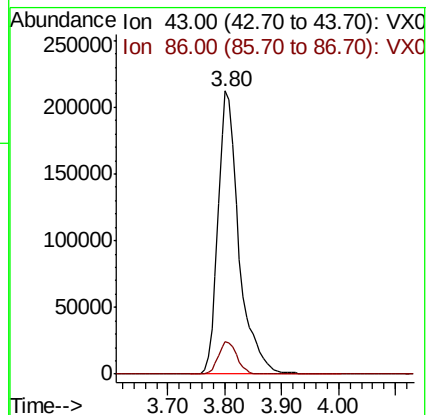
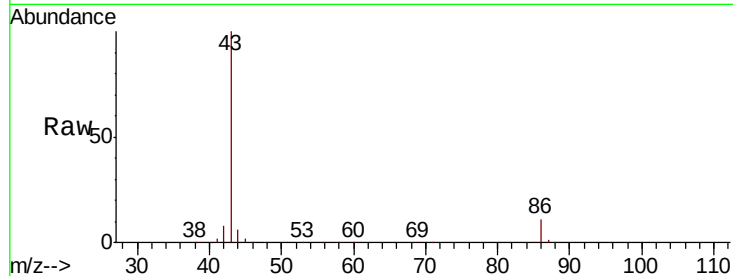
86 11.3 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.226 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

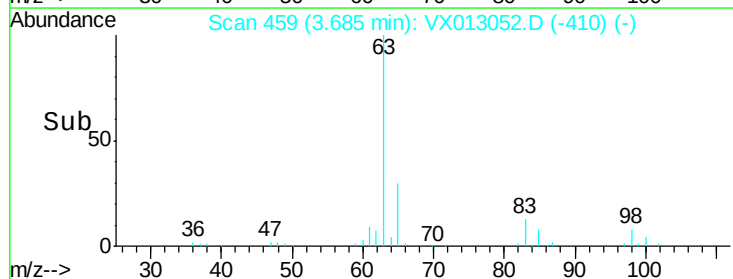
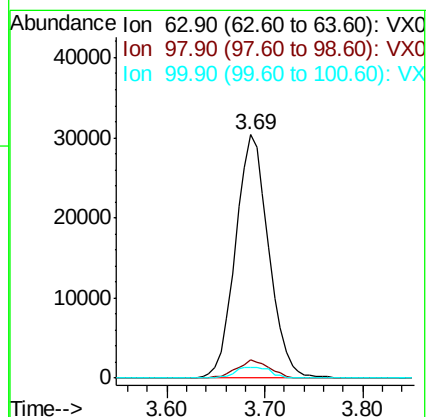
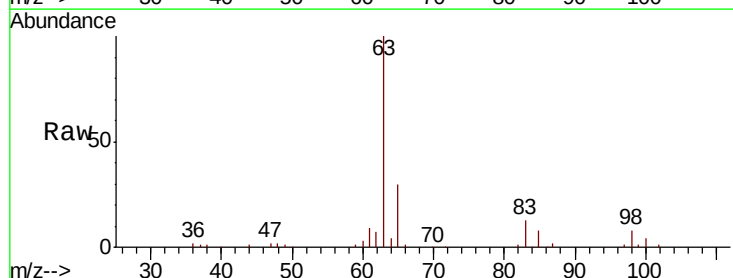
Tgt Ion: 63 Resp: 71311

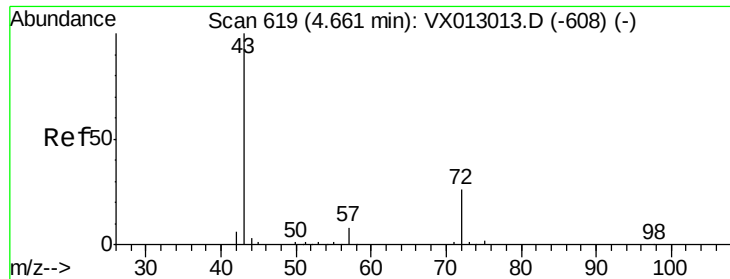
Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.5

100 4.2 2.3 6.9





#25

2-Butanone

Concen: 96.627 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX1014WBSD01

Tot Ion: 43 Resp: 160508

Ion Ratio Lower Upper

43 100

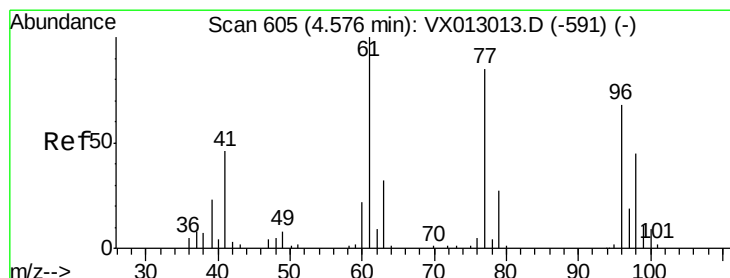
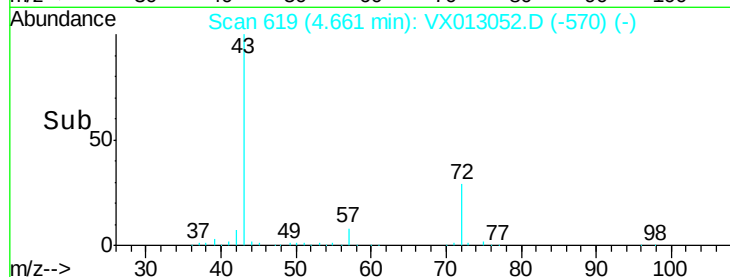
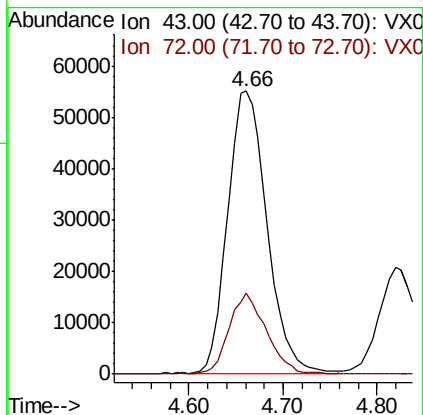
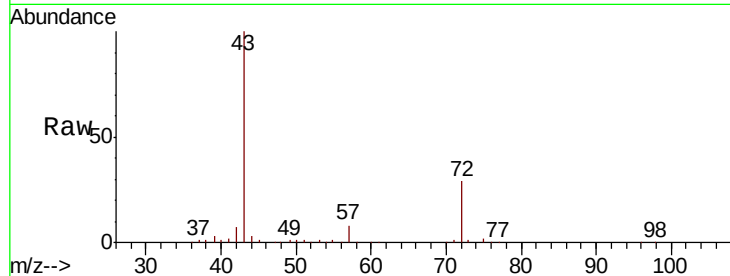
72 28.7 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

10/21/2019 2:54:59 PM



#26

2,2-Dichloropropane

Concen: 18.676 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013052.D

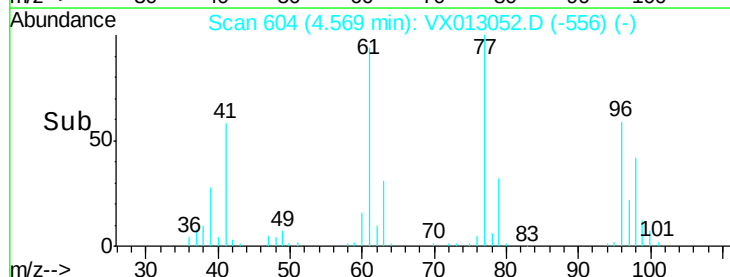
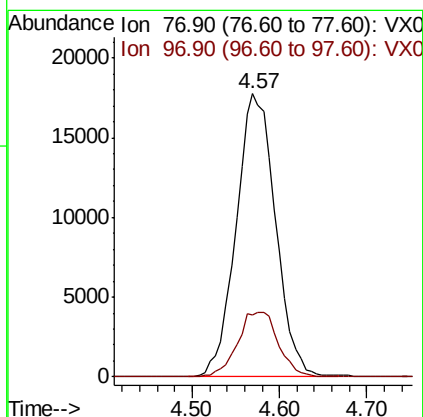
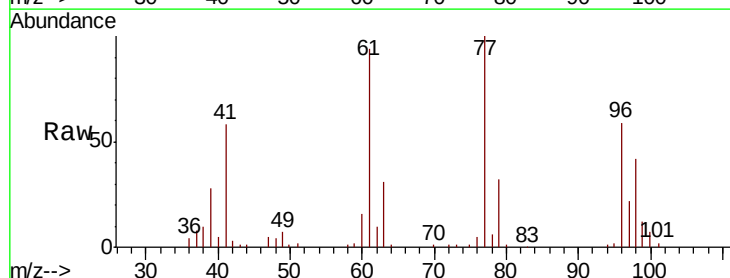
Acq: 14 Oct 2019 15:19

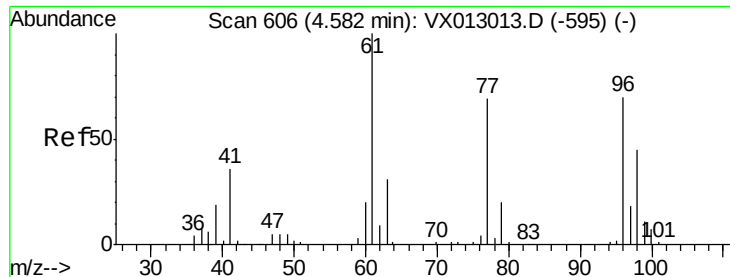
Tgt Ion: 77 Resp: 55373

Ion Ratio Lower Upper

77 100

97 23.5 11.3 33.9





#27

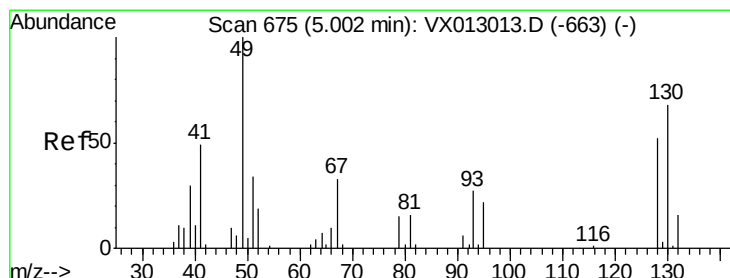
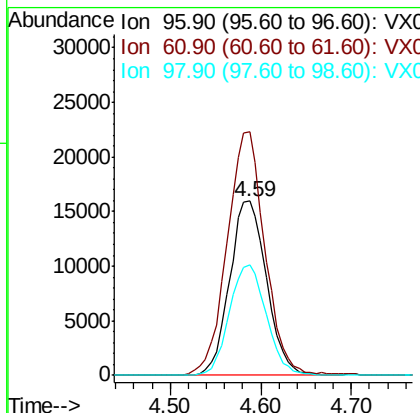
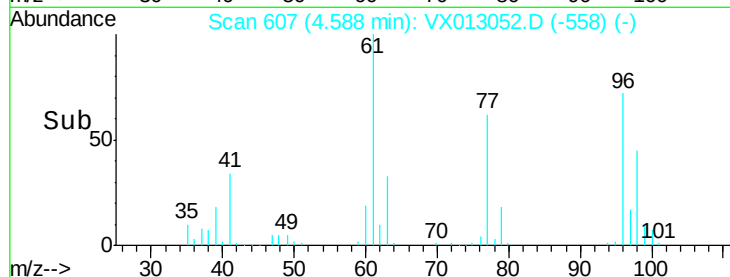
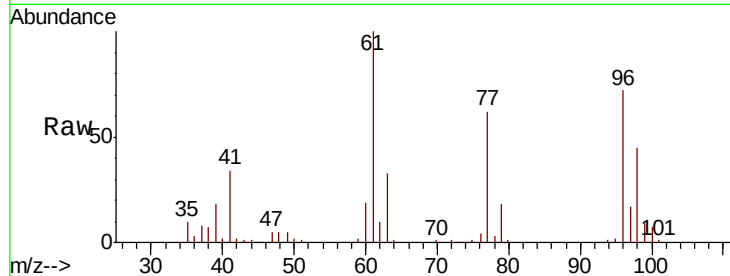
cis-1,2-Dichloroethene
Concen: 19.887 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX1014WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	290.6
98	63.4	0.0	128.8

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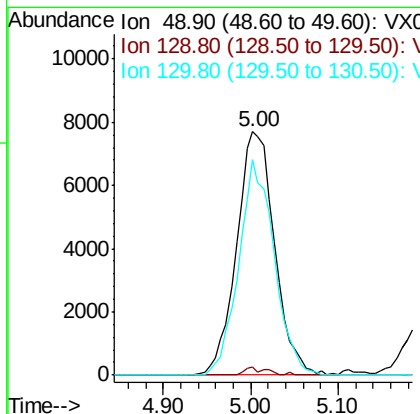
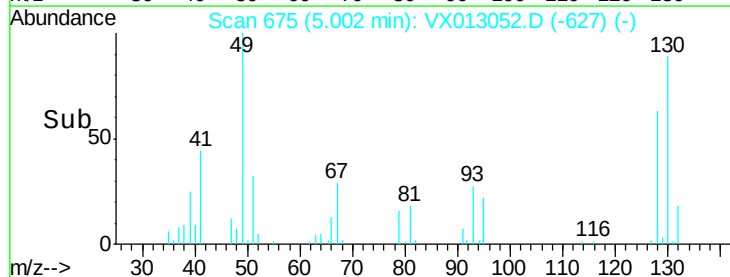
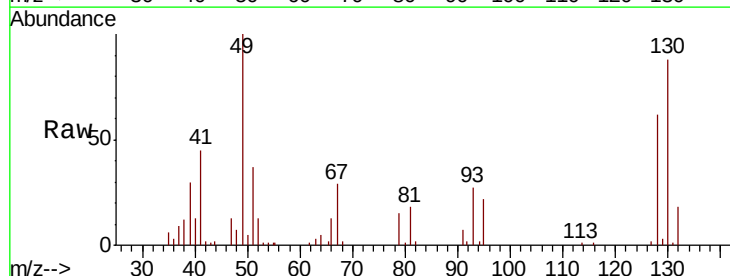
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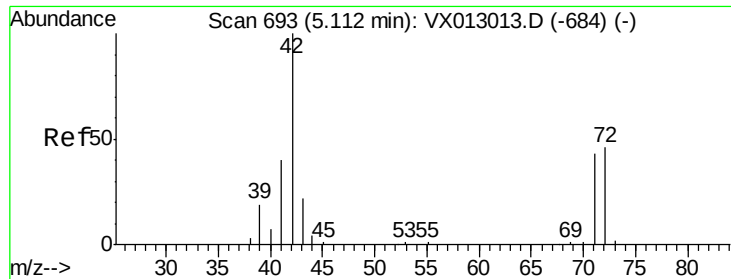


#28

Bromochloromethane
Concen: 21.842 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.2
130	82.4	62.1	93.1





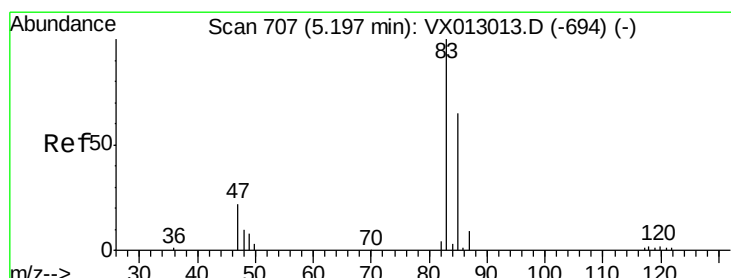
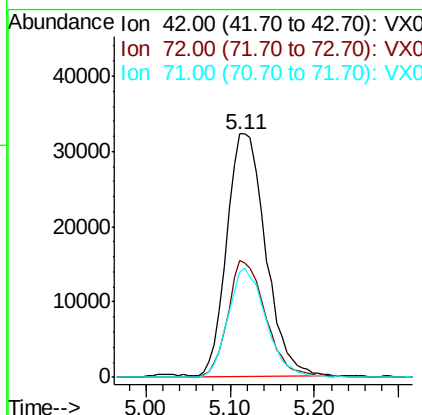
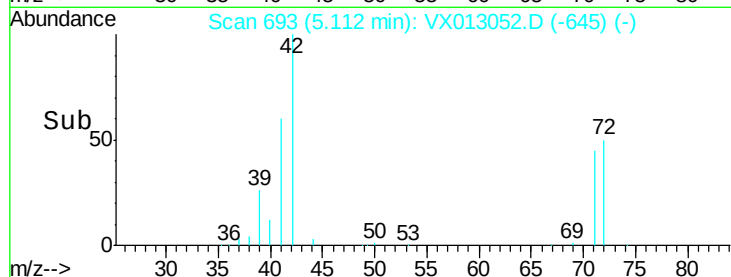
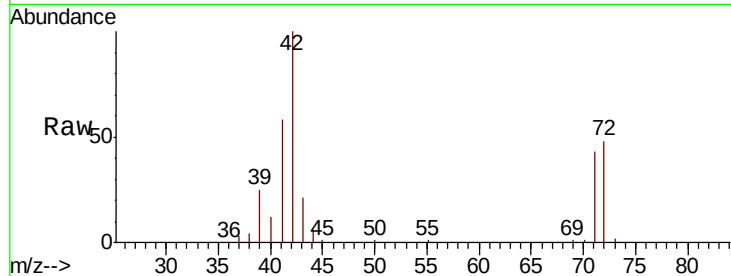
#29
Tetrahydrofuran
Concen: 98.999 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX1014WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	36.9	55.3
71	43.7	33.5	50.3

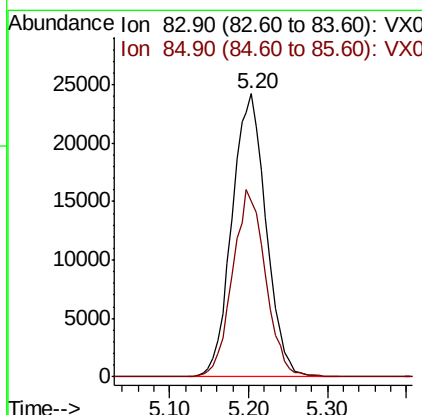
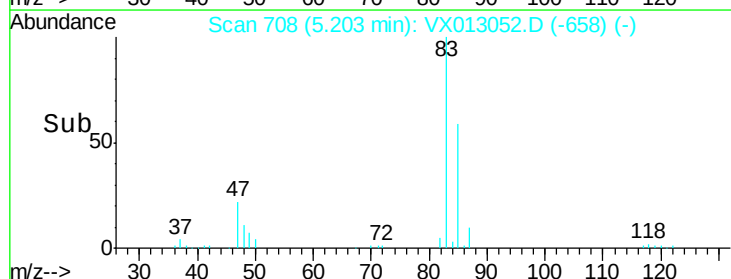
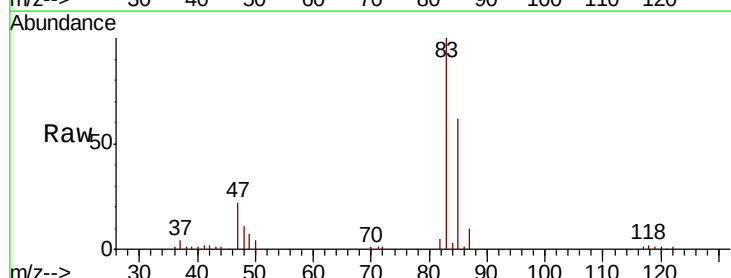
Manual Integrations
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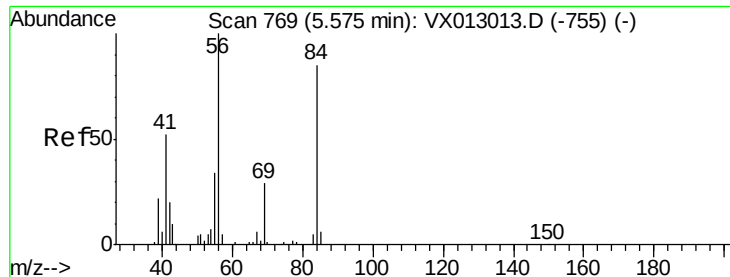
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#30
Chloroform
Concen: 20.083 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.5	77.3





#31

Cyclohexane

Concen: 19.121 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

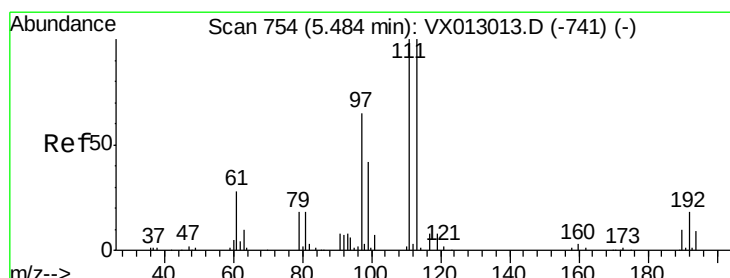
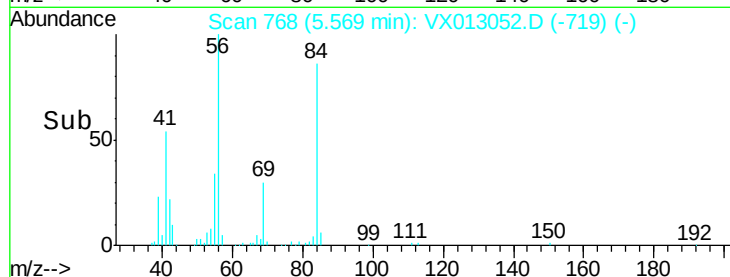
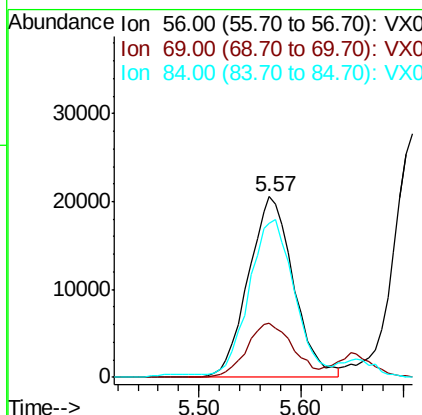
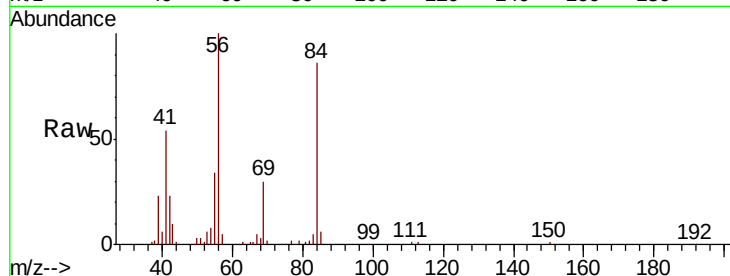
ClientSampleId :

VX1014WBSD01

Tot Ion:	56	Resp:	63041
Ion	Ratio	Lower	Upper
56	100		
69	29.8	25.2	37.8
84	84.1	71.3	106.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.576 ug/l

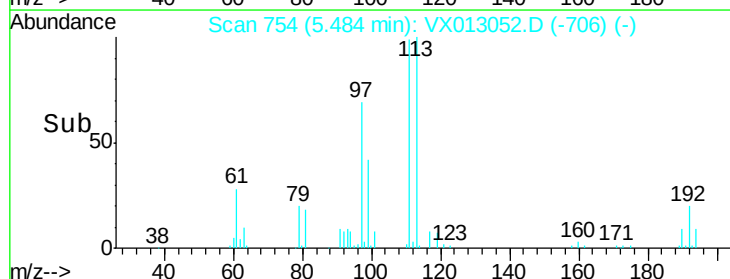
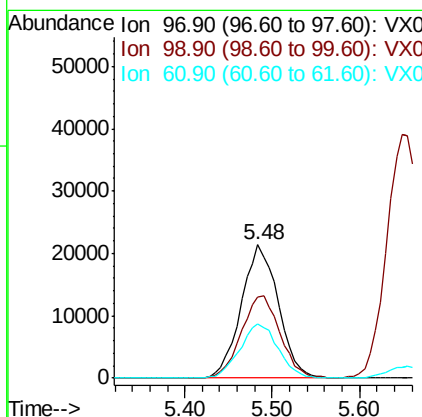
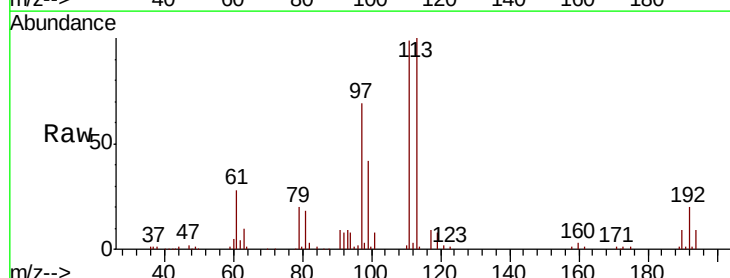
RT: 5.48 min Scan# 754

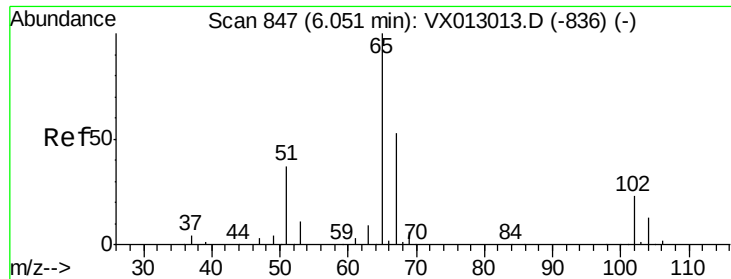
Delta R.T. -0.01 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Tgt Ion:	97	Resp:	63074
Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.3	78.5
61	42.2	35.0	52.4





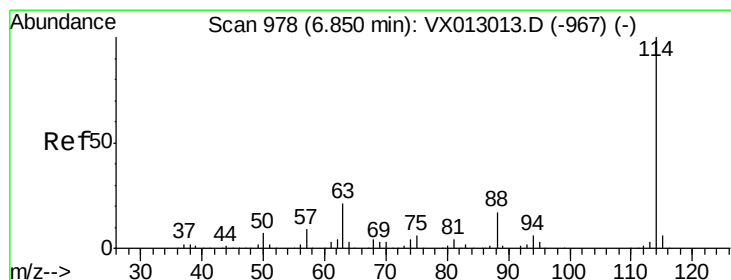
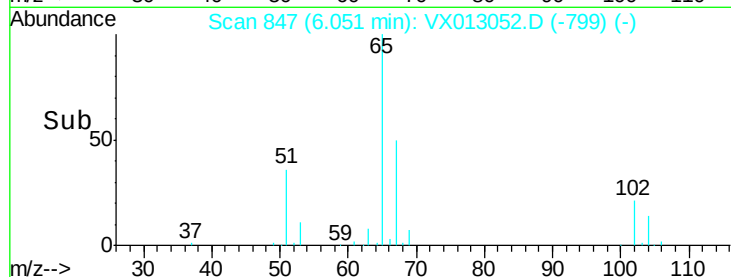
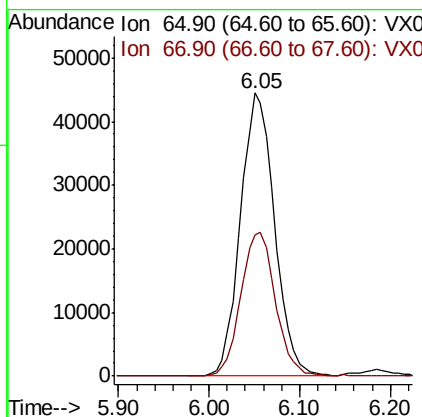
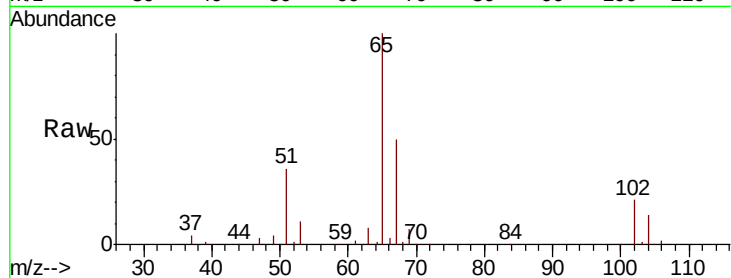
#33
 1,2-Dichloroethane-d4
 Concen: 51.076 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1014WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	116021		
67	51.6	0.0	104.4	

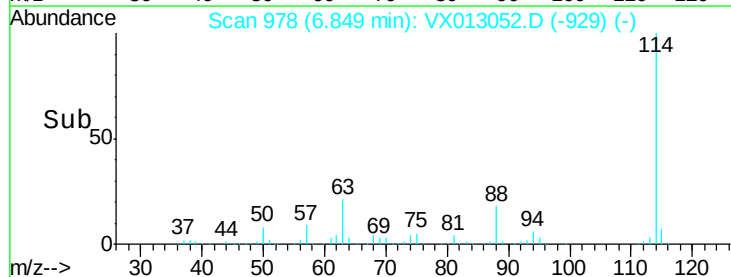
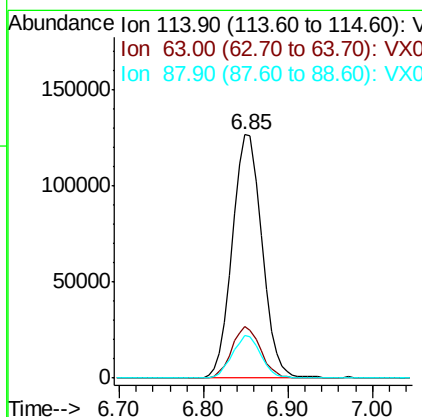
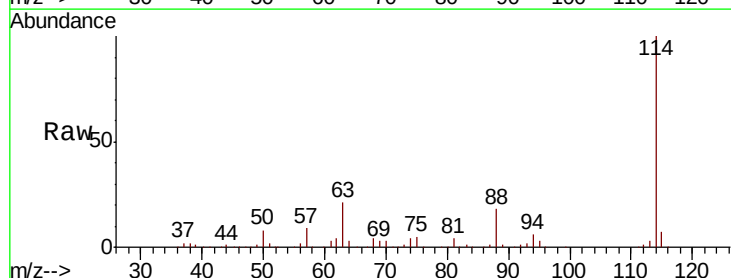
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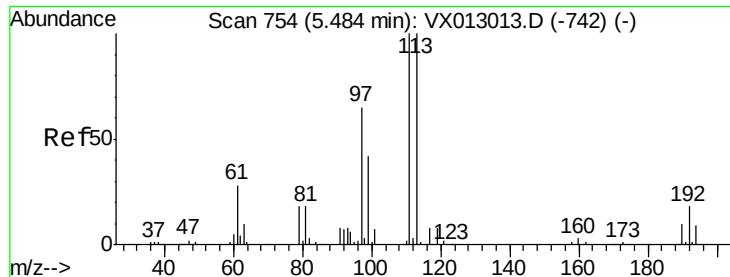
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	303654		
63	21.0	0.0	40.8	
88	17.7	0.0	33.8	





#35

Dibromofluoromethane

Concen: 52.760 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

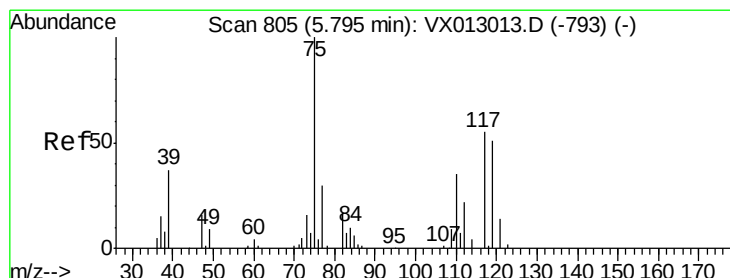
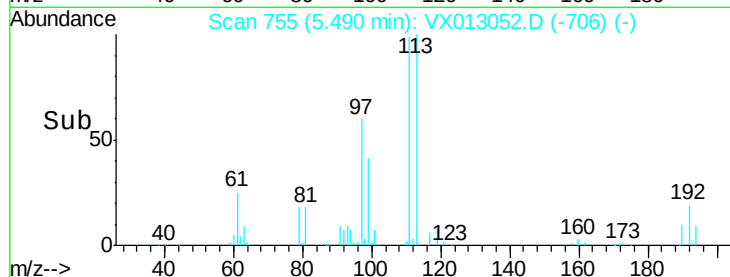
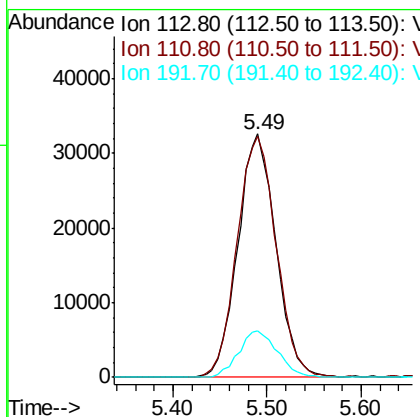
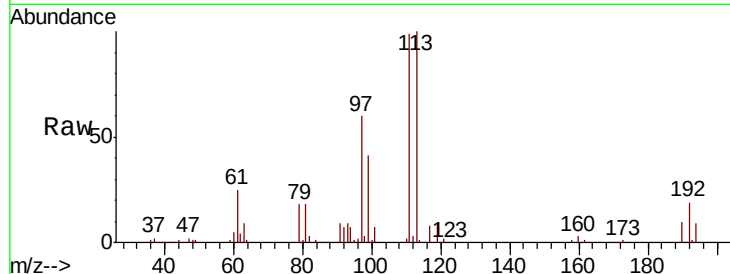
ClientSampleId :

VX1014WBSD01

Tot Ion:	113	Resp:	91950
Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.2	124.8
192	19.8	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 19.596 ug/l

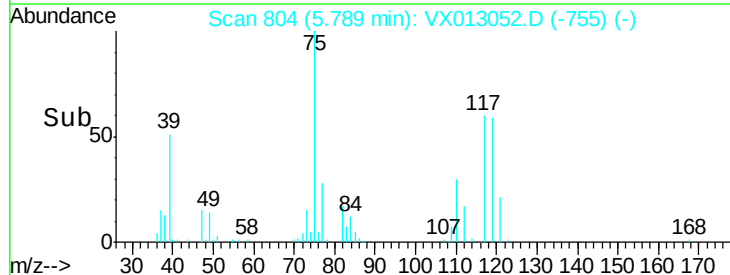
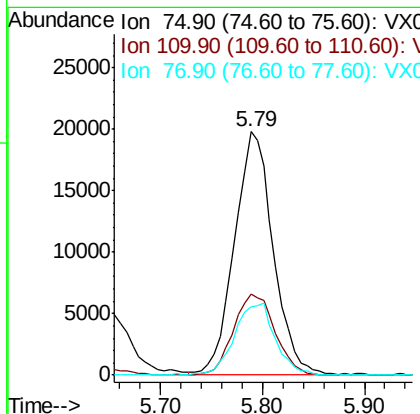
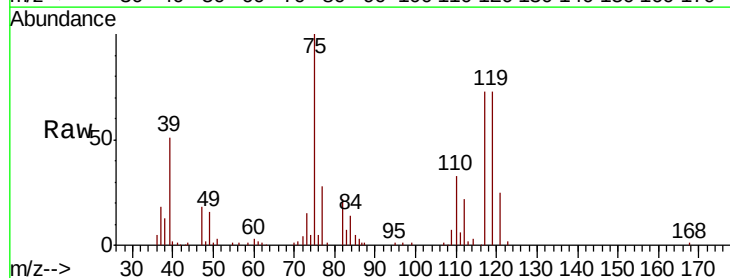
RT: 5.79 min Scan# 804

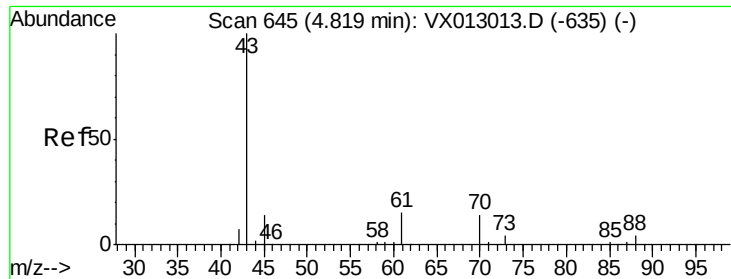
Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Tgt Ion:	75	Resp:	52317
Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.6	52.9
77	31.1	24.4	36.6





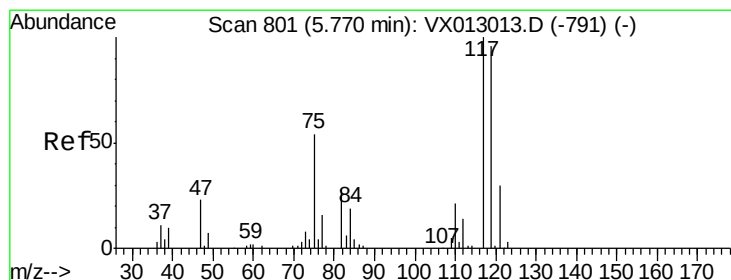
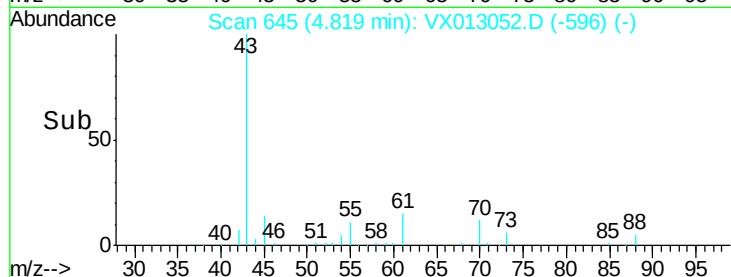
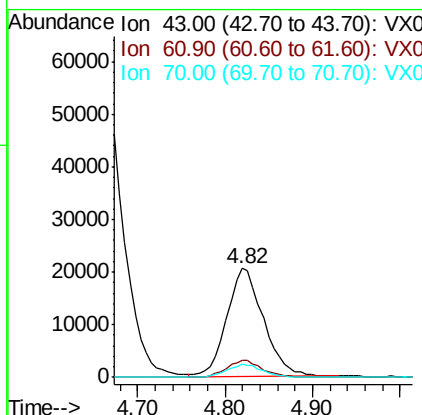
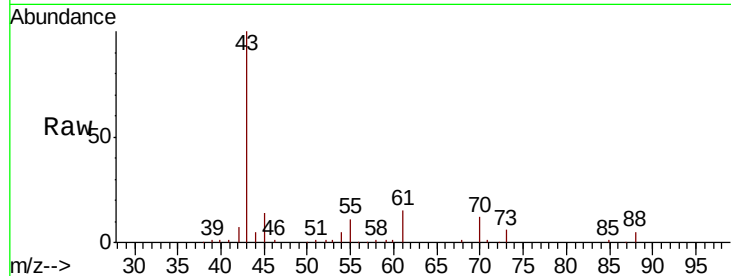
#37
Ethyl Acetate
Concen: 20.054 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX1014WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.4	17.0
70	11.8	9.8	14.6

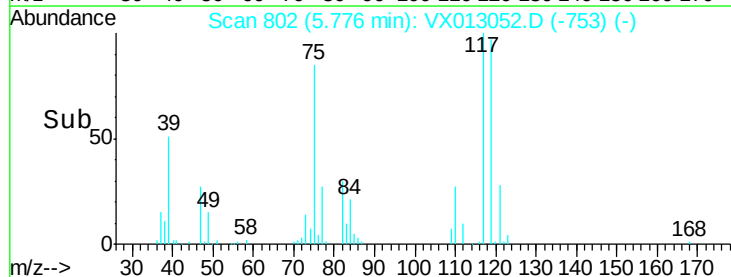
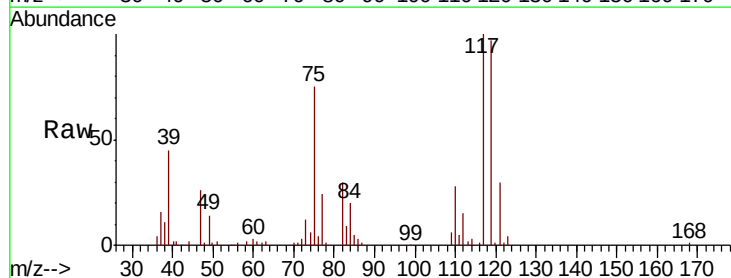
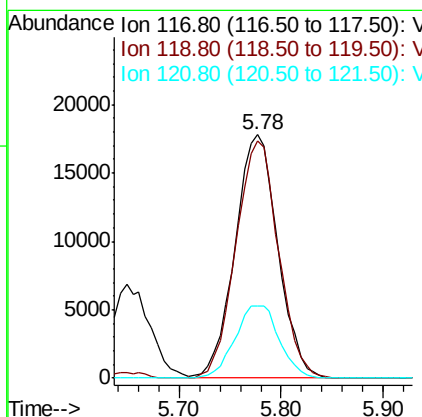
Manual Integrations
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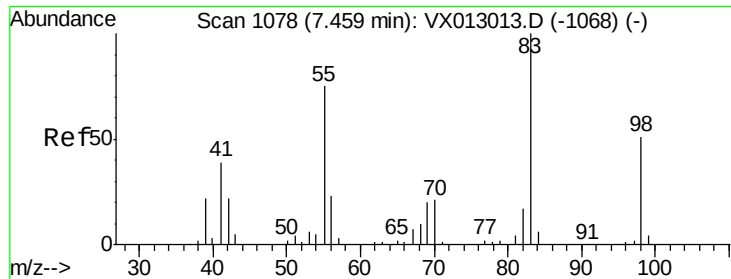
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#38
Carbon Tetrachloride
Concen: 19.979 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	74.5	111.7
121	29.9	24.2	36.4





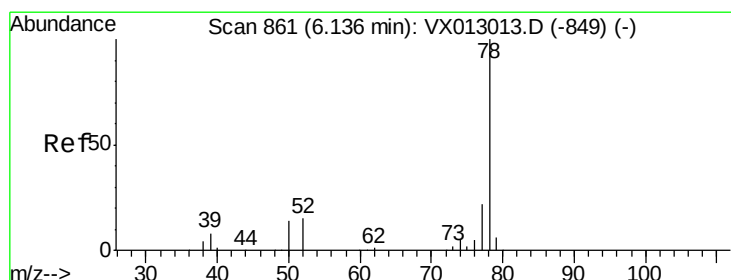
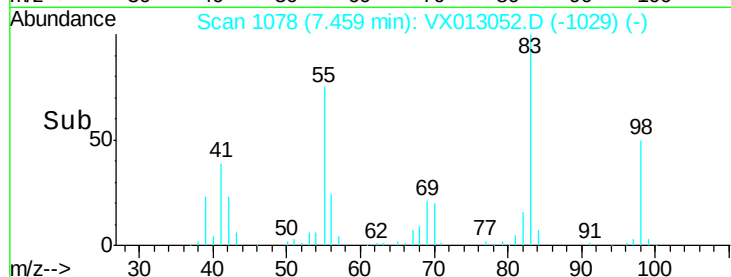
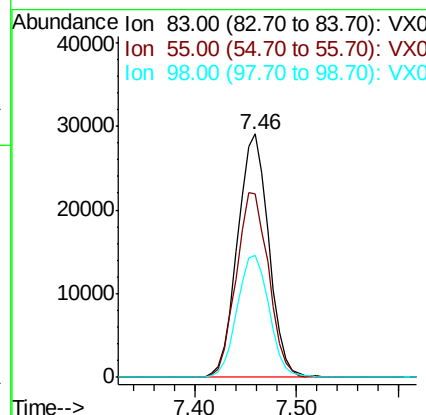
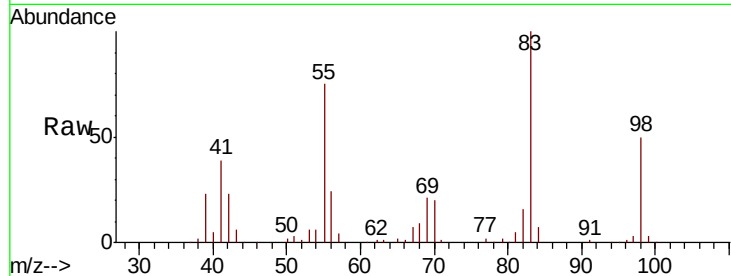
#39
Methylvlcyclohexane
Concen: 19.072 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX1014WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	60.2	90.4
98	50.1	38.5	57.7

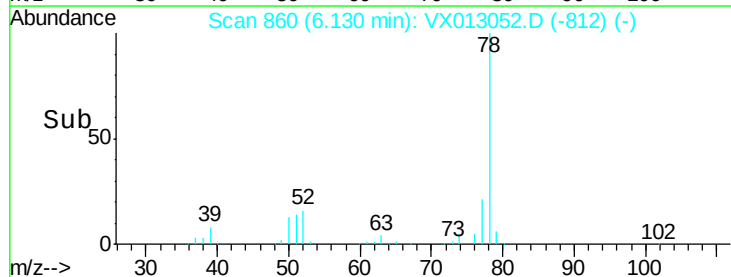
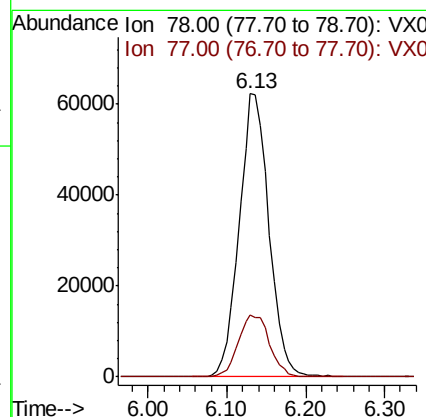
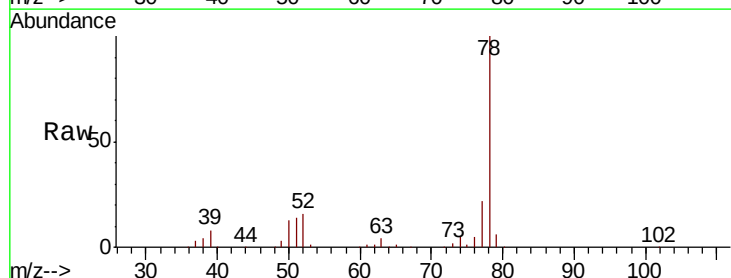
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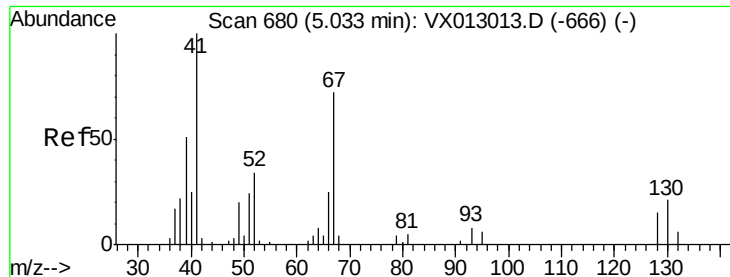
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#40
Benzene
Concen: 20.720 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	19.0	28.4





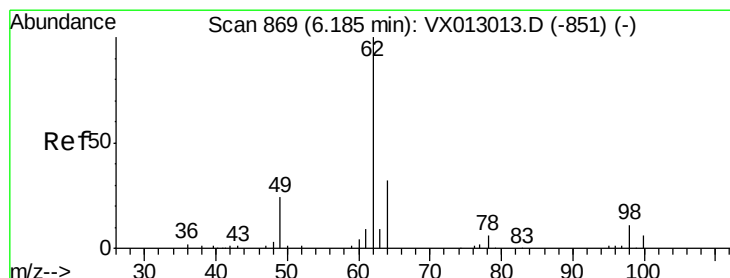
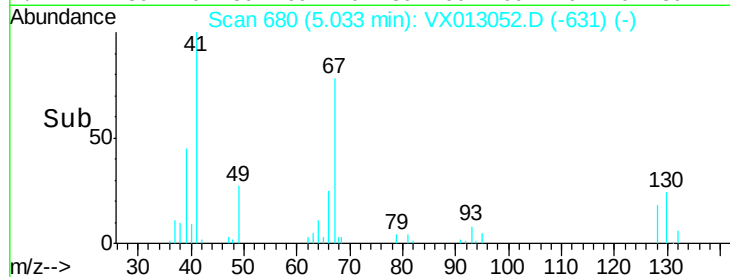
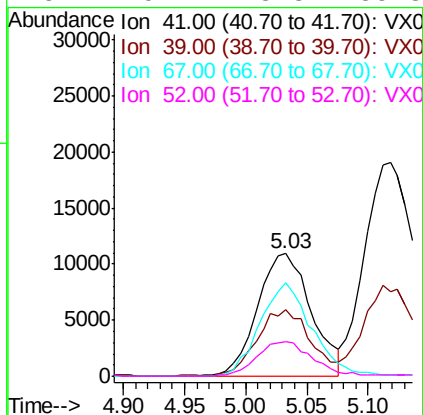
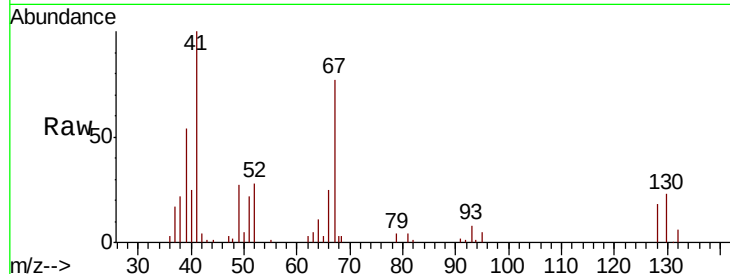
#41
Methacrylonitrile
Concen: 20.459 ug/l
RT: 5.03 min Scan# 680
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX1014WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.5	44.0	66.0
67	73.4	58.5	87.7
52	29.7	23.8	35.8

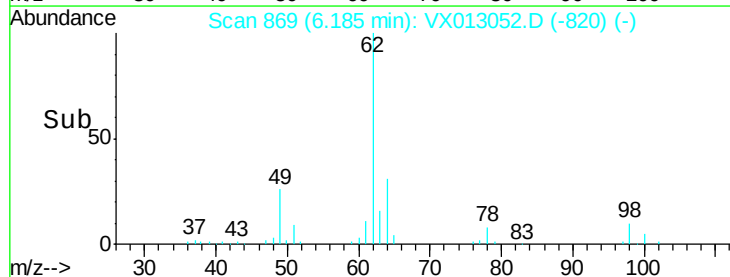
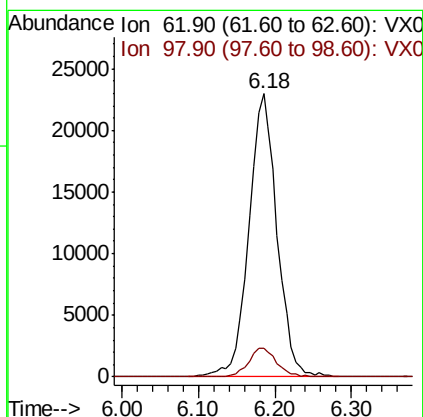
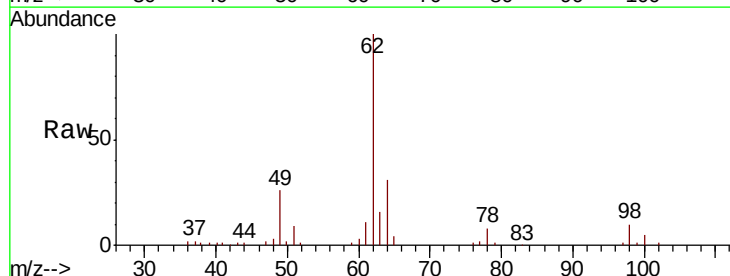
Manual Integrations
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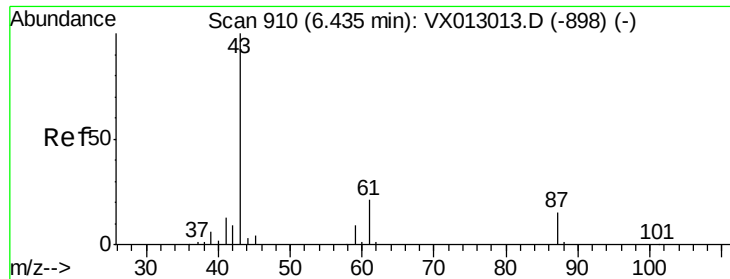
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.804 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.4





#43

Isopropyl Acetate

Concen: 20.137 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

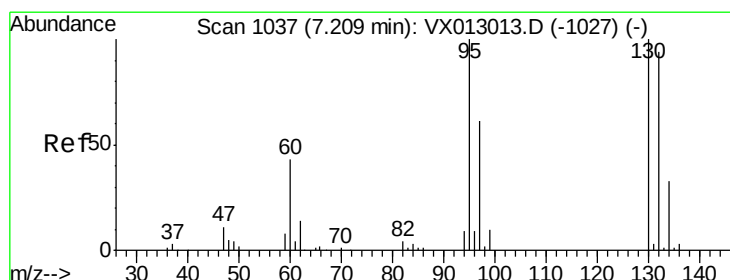
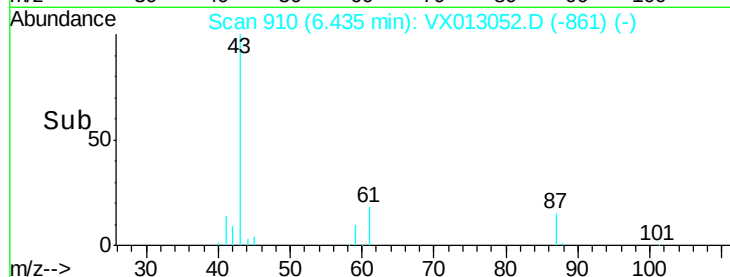
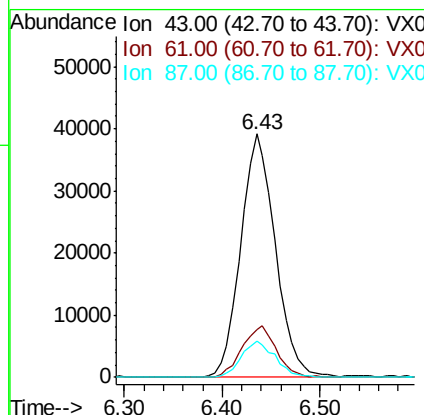
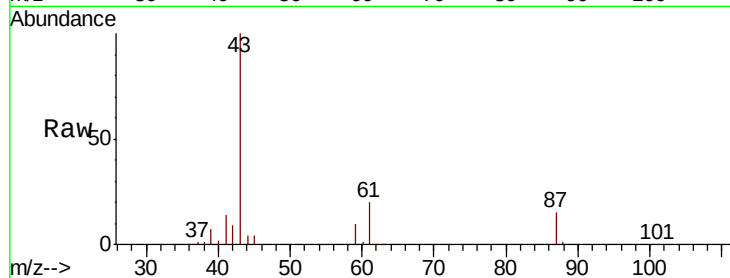
ClientSampleId :

VX1014WBSD01

Tot Ion:	43	Resp:	96488
Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.6	24.8
87	14.7	11.0	16.6

Manual Integrations
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#44

Trichloroethene

Concen: 19.517 ug/l

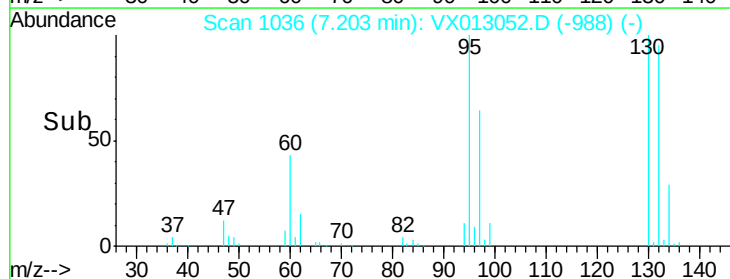
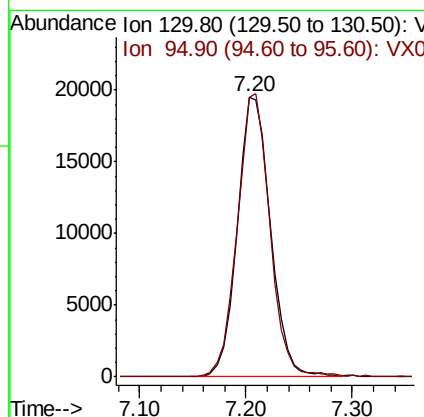
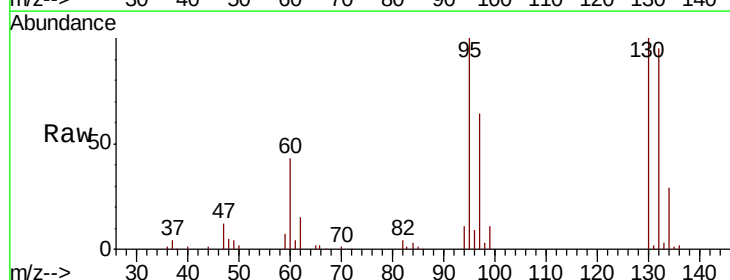
RT: 7.20 min Scan# 1036

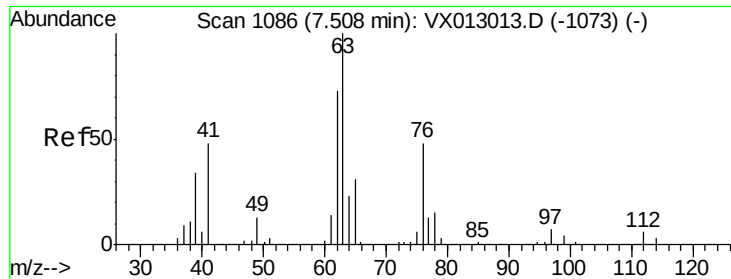
Delta R.T. -0.01 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Tgt Ion:	130	Resp:	42674
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	189.2





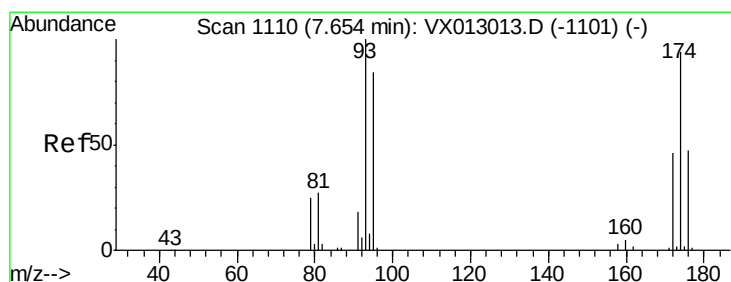
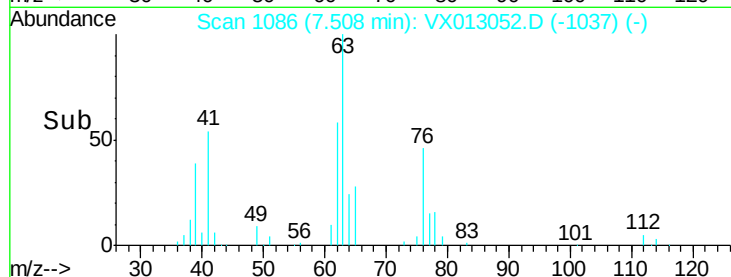
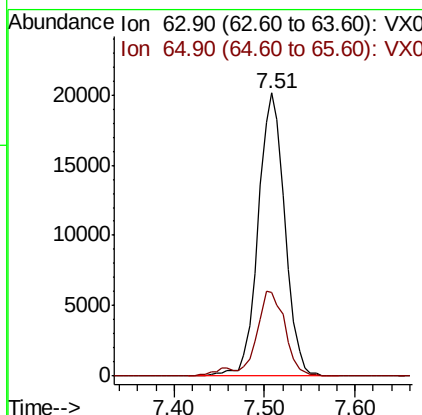
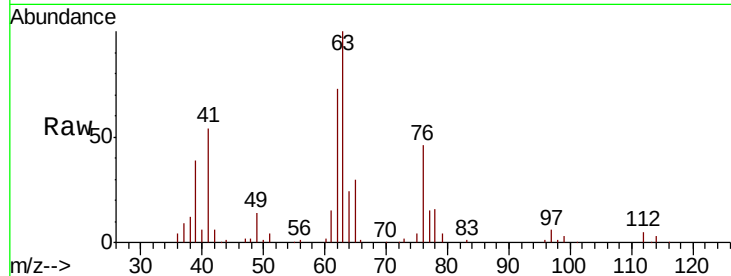
#45
 1,2-Dichloropropane
 Concen: 20.315 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1014WBSD01

Tot Ion: 63 Resp: 40826
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.6 37.0

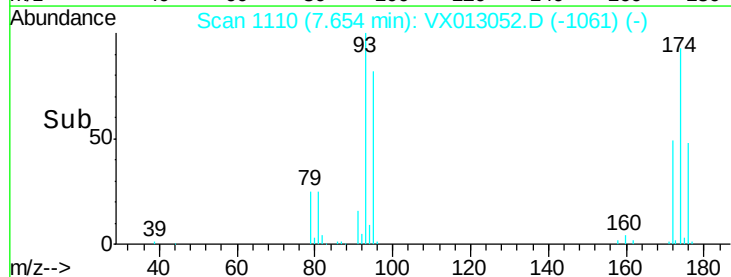
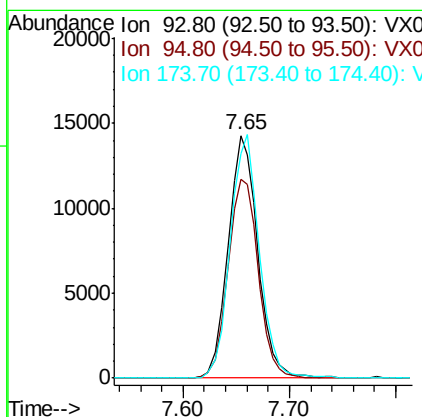
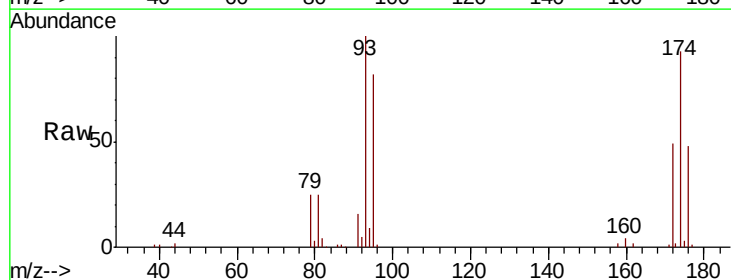
Manual Integrations
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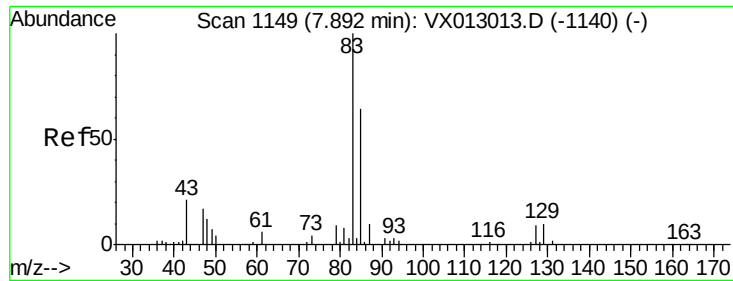
MMDadoda
 10/21/2019 2:54:59 PM



#46
 Dibromomethane
 Concen: 20.677 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Tgt Ion: 93 Resp: 27685
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.3 99.5
 174 99.5 77.8 116.6





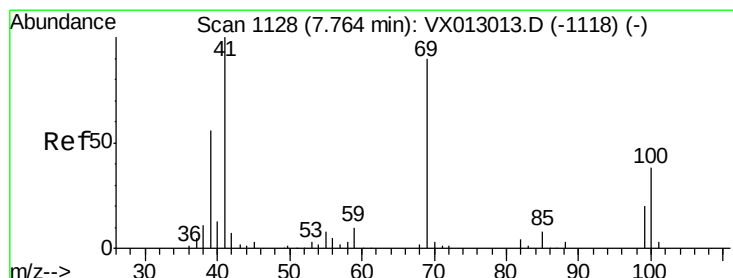
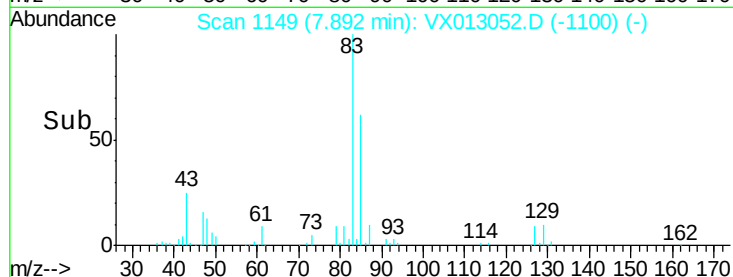
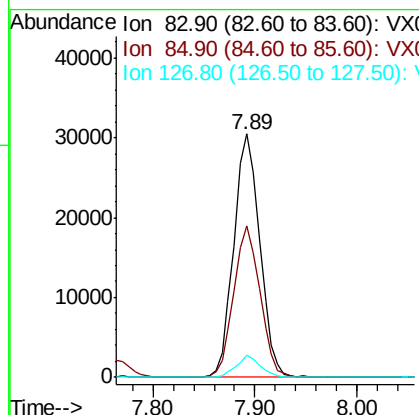
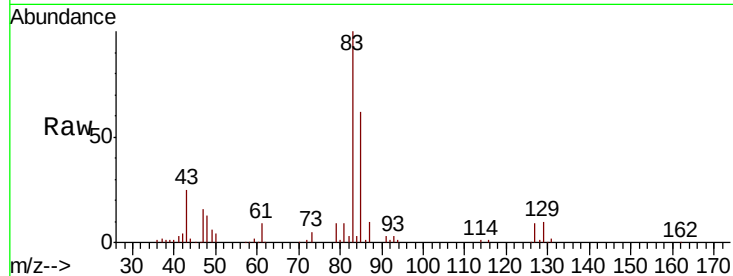
#47
Bromodichloromethane
Concen: 20.557 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX1014WBSD01

Tot Ion	83	Resp	53714
Ion Ratio	100	Lower	Upper
83	100		
85	62.3	52.4	78.6
127	9.2	6.6	10.0

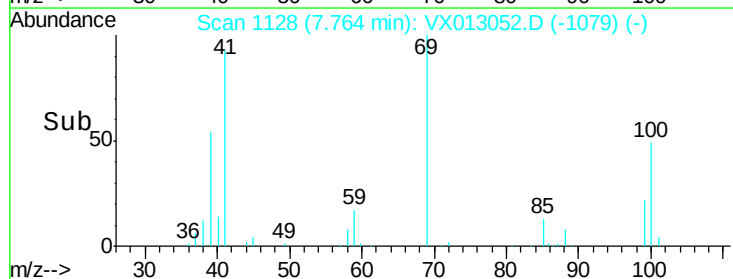
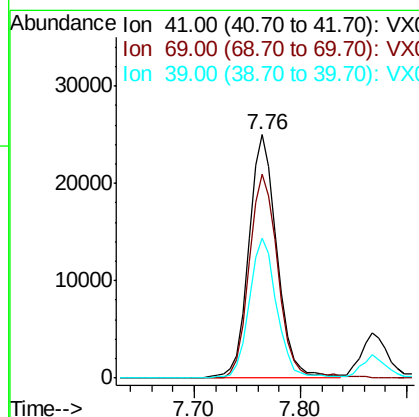
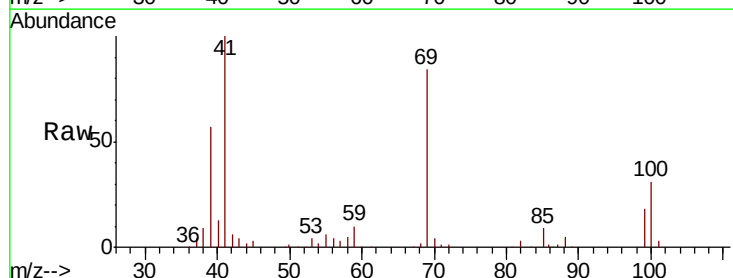
Manual Integrations
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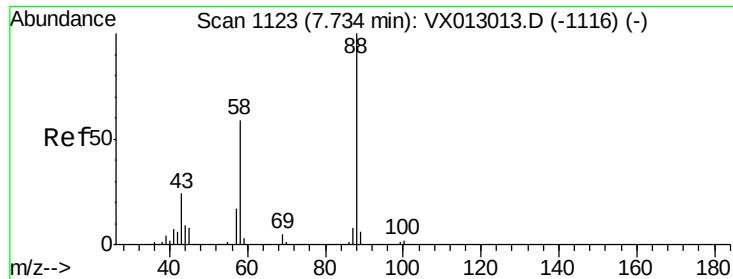
MMDadoda
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#48
Methyl methacrylate
Concen: 19.907 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Tgt Ion	41	Resp	46482
Ion Ratio	100	Lower	Upper
41	100		
69	84.1	68.7	103.1
39	56.2	44.3	66.5





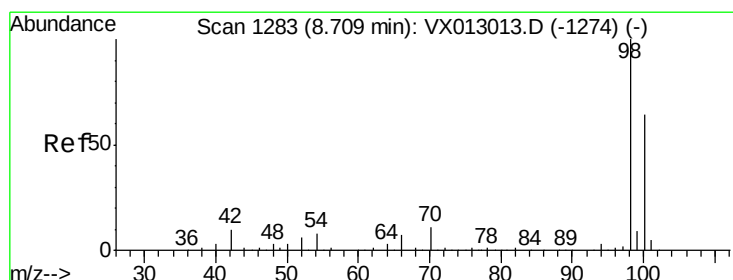
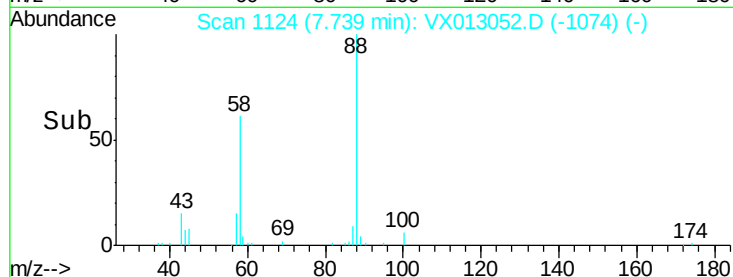
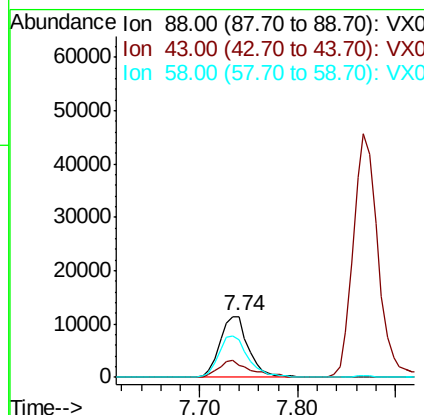
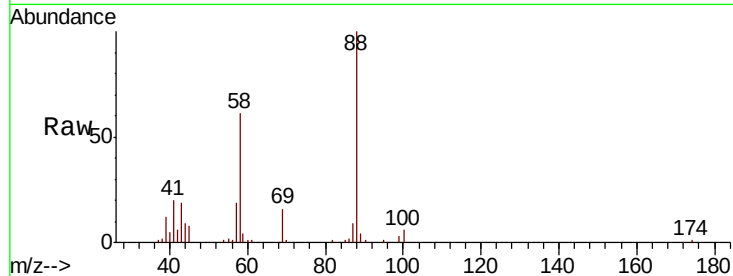
#49
1,4-Dioxane
Concen: 394.028 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX1014WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	25.0	37.6
58	70.3	55.4	83.2

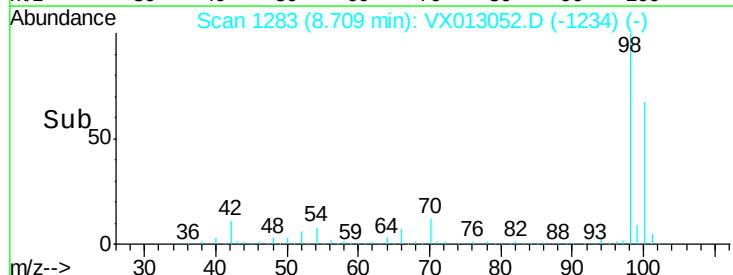
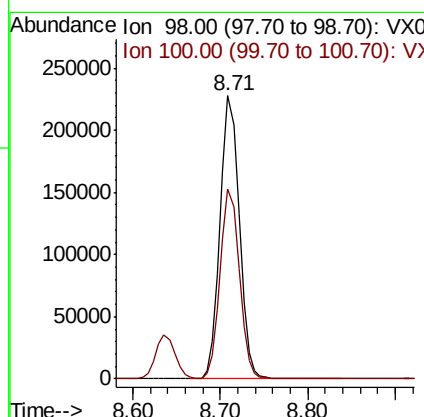
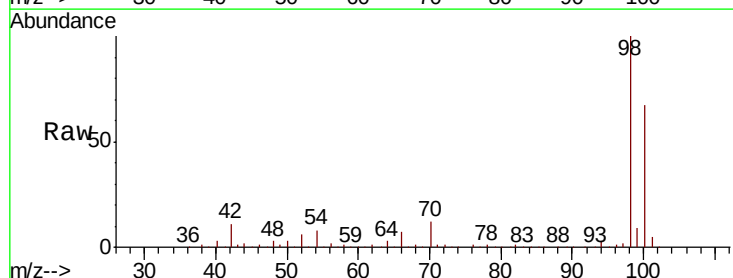
Manual Integrations
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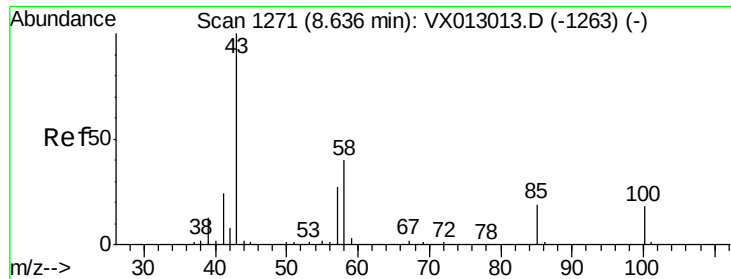
MMDadoda
10/21/2019 2:54:59 PM



#50
Toluene-d8
Concen: 51.320 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 103.425 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX1014WBSD01

Tot Ion: 43 Resp: 308969

Ion Ratio Lower Upper

43 100

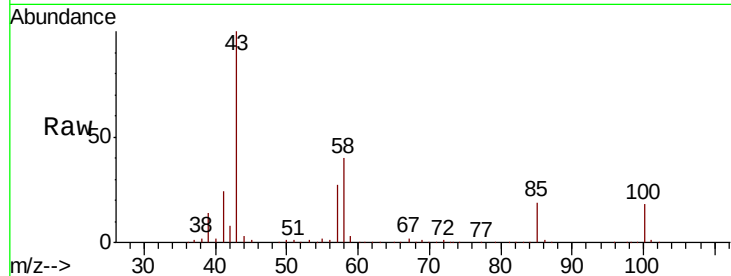
58 40.6 32.4 48.6

Manual Integrations

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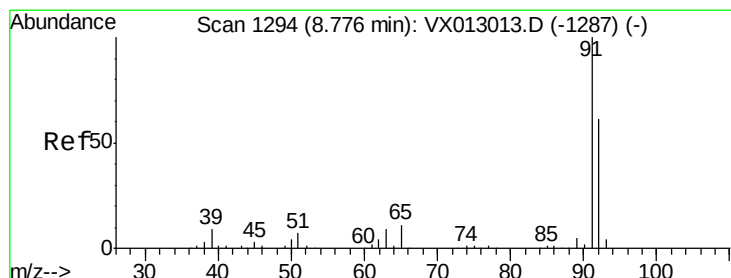
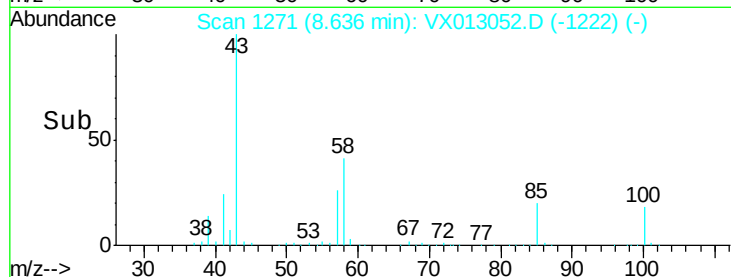
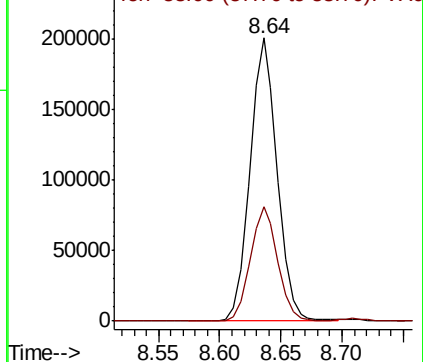
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.284 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013052.D

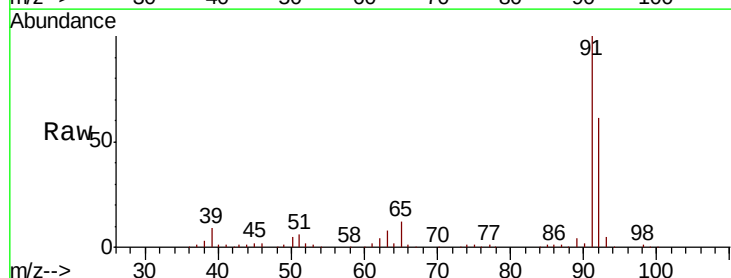
Acq: 14 Oct 2019 15:19

Tgt Ion: 92 Resp: 102326

Ion Ratio Lower Upper

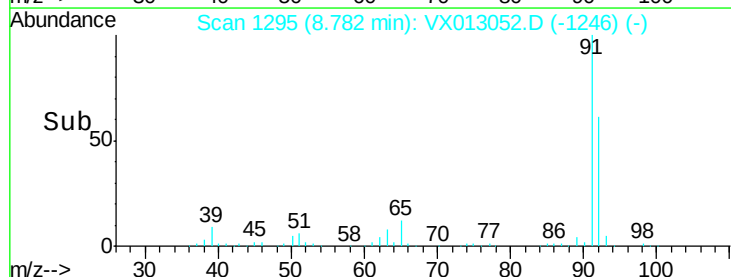
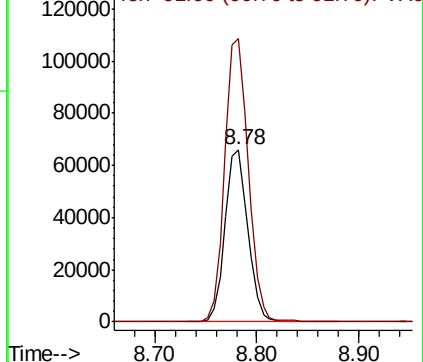
92 100

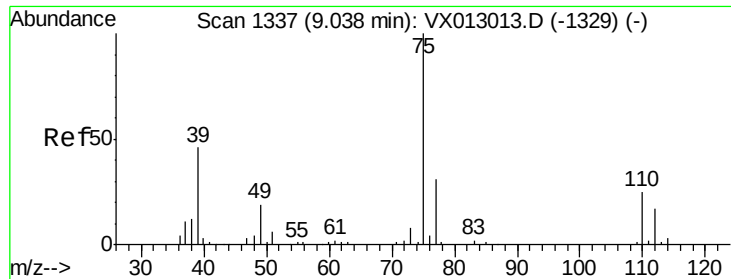
91 169.8 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





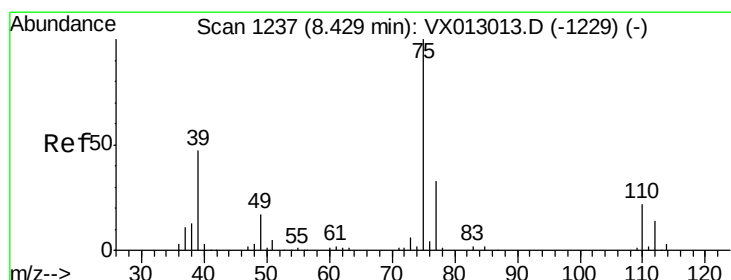
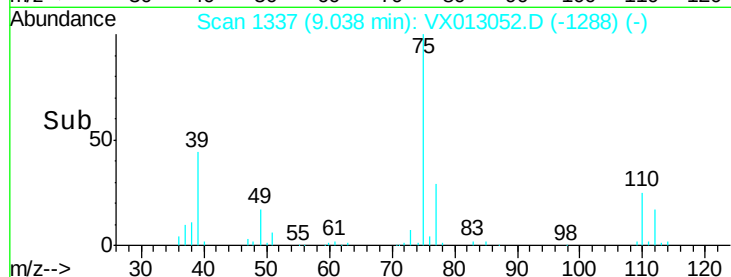
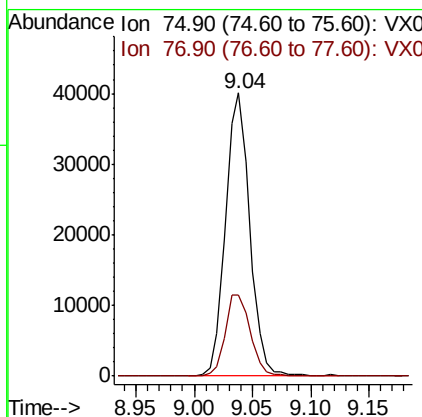
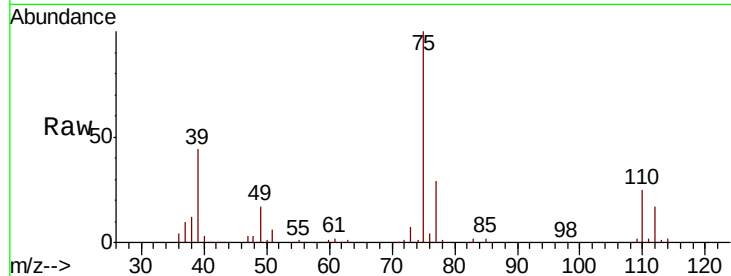
#53
 t-1,3-Dichloropropene
 Concen: 19.129 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1014WBSD01

Tot Ion: 75 Resp: 57814
 Ion Ratio Lower Upper
 75 100
 77 28.7 25.8 38.6

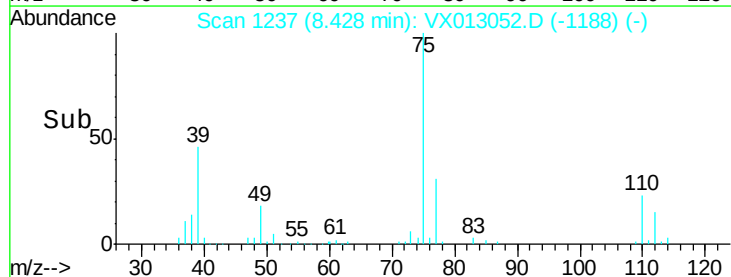
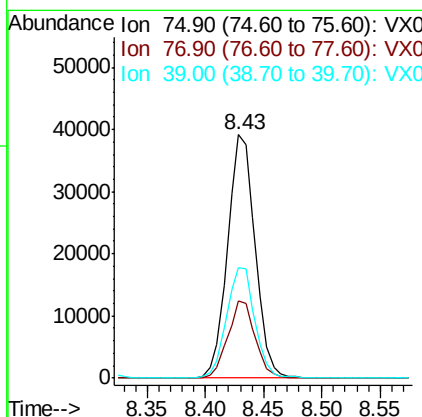
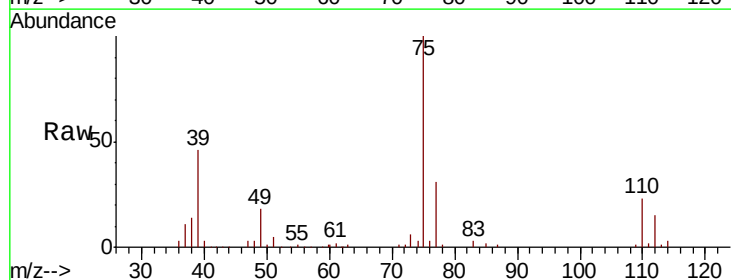
Manual Integrations
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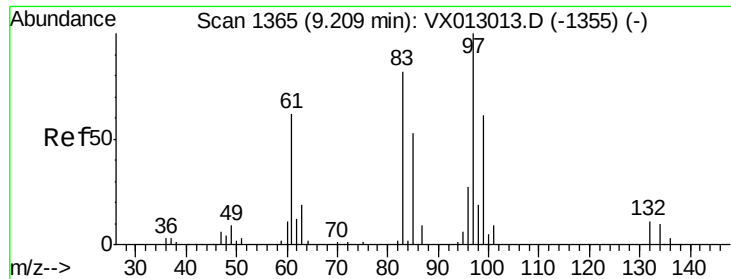
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#54
 cis-1,3-Dichloropropene
 Concen: 20.015 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Tgt Ion: 75 Resp: 64323
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.8
 39 45.6 38.2 57.2





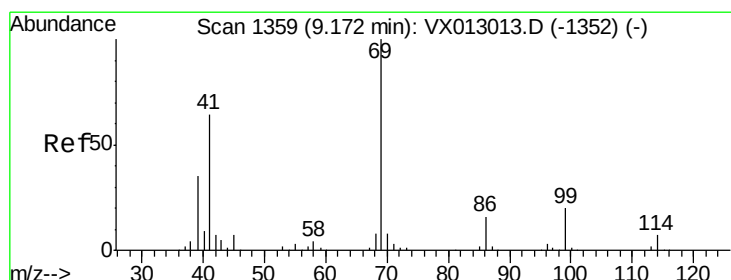
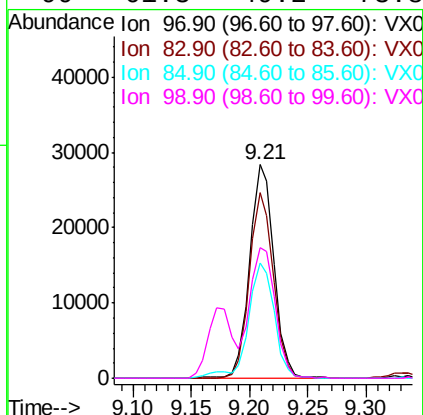
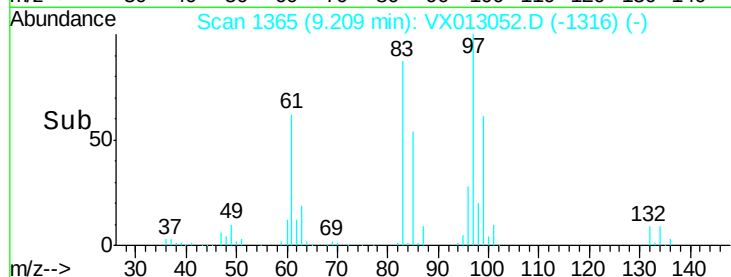
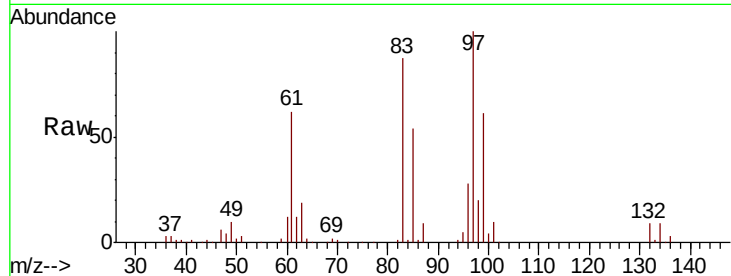
#55
 1,1,2-Trichloroethane
 Concen: 20.767 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1014WBSD01

Tot Ion:	97	Resp:	41458
Ion	Ratio	Lower	Upper
97	100		
83	87.0	66.5	99.7
85	54.1	43.1	64.7
99	61.3	49.2	73.8

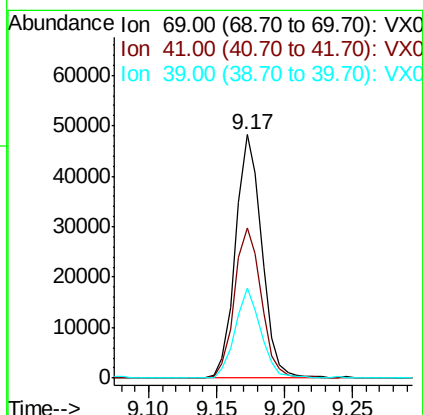
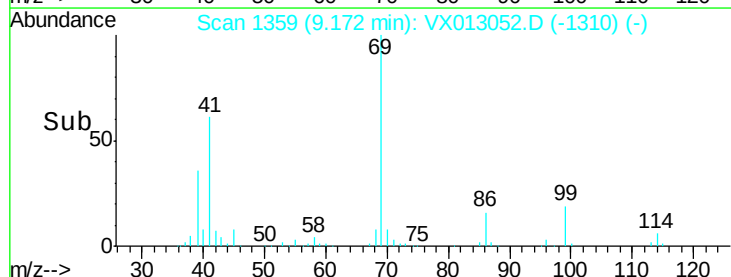
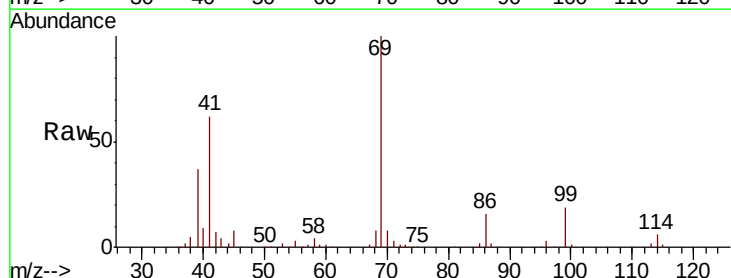
Manual Integrations
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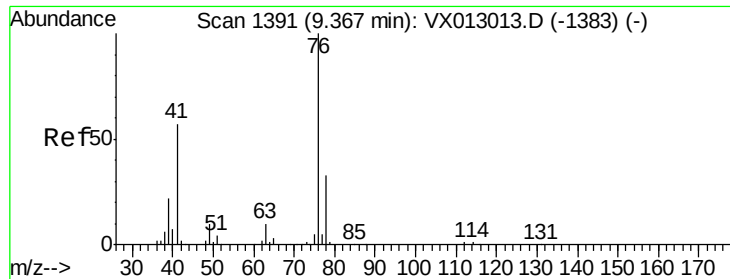
MMDadoda
 10/21/2019 2:54:59 PM



#56
 Ethyl methacrylate
 Concen: 19.341 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Tgt Ion:	69	Resp:	64974
Ion	Ratio	Lower	Upper
69	100		
41	63.7	52.1	78.1
39	35.4	27.8	41.8





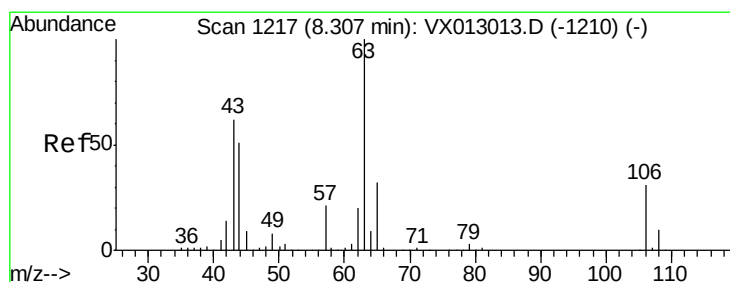
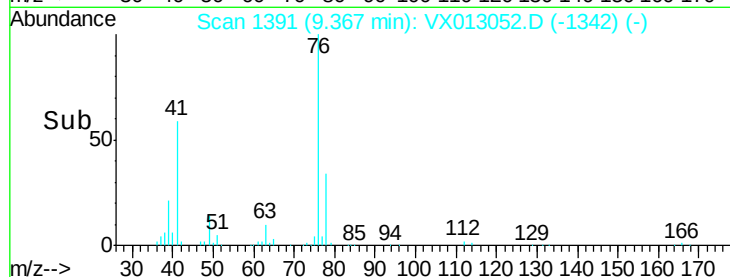
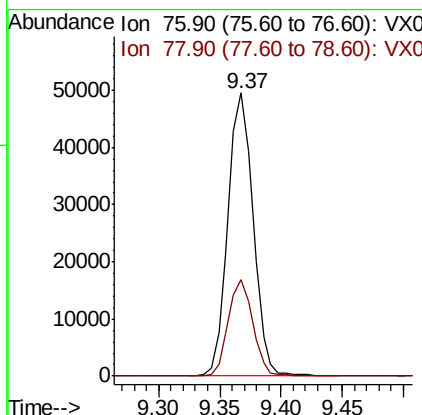
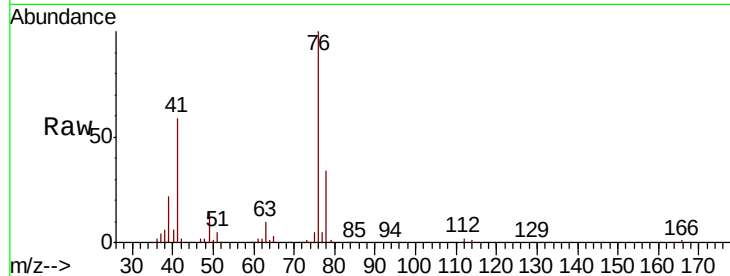
#57
 1,3-Dichloropropane
 Concen: 20.508 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1014WBSD01

Tot Ion: 76 Resp: 70819
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.1 39.1

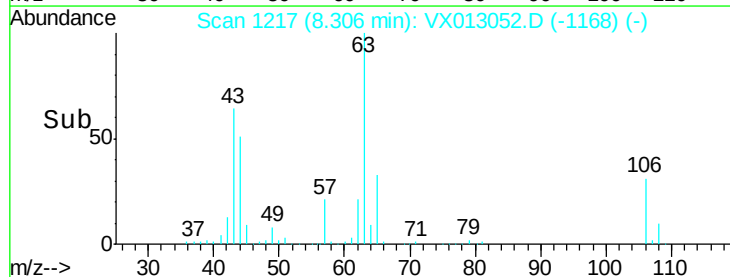
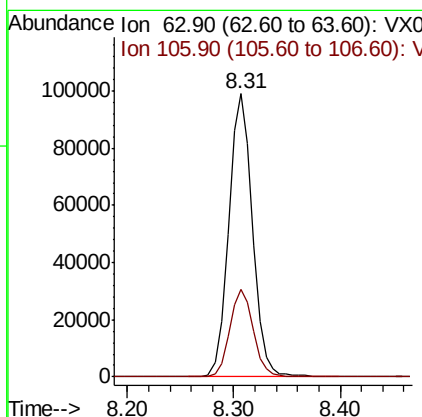
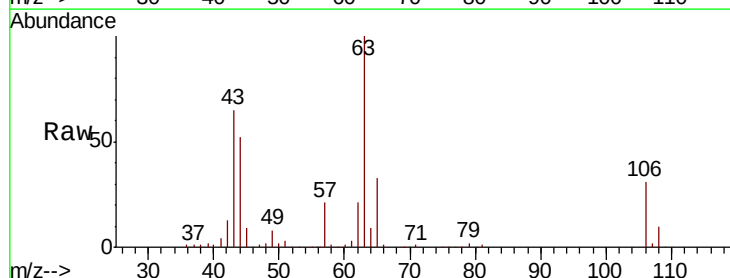
Manual Integrations
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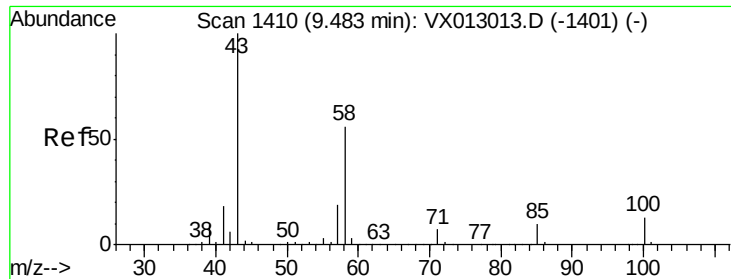
MMDadoda
 10/21/2019 2:54:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.038 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Tgt Ion: 63 Resp: 154045
 Ion Ratio Lower Upper
 63 100
 106 30.8 23.8 35.8





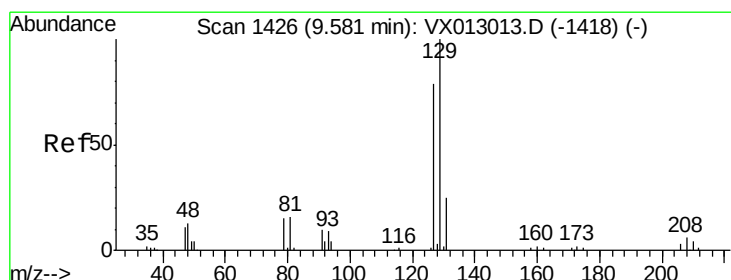
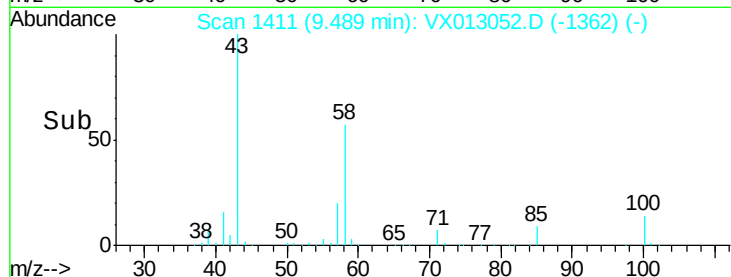
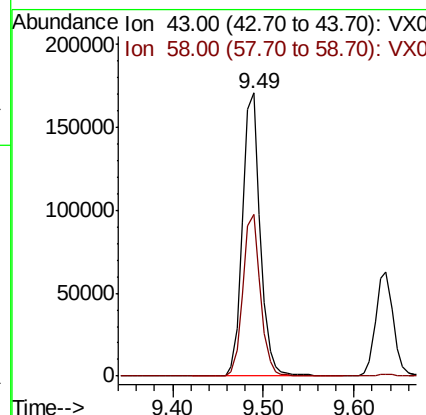
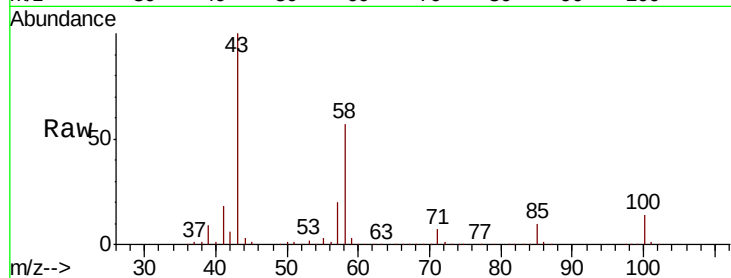
#59
2-Hexanone
Concen: 99.526 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX1014WBSD01

Tot Ion: 43 Resp: 231445
Ion Ratio Lower Upper
43 100
58 56.4 28.1 84.3

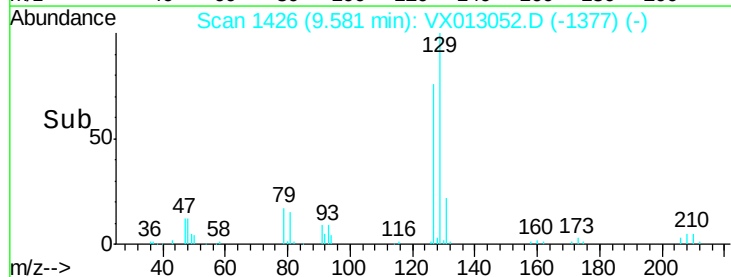
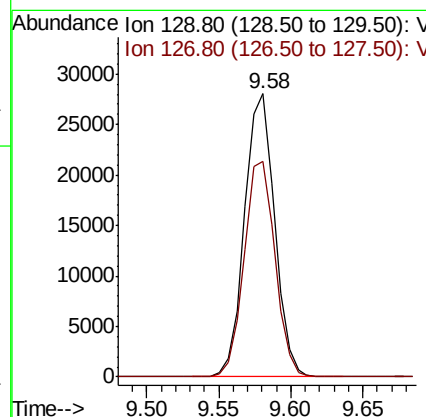
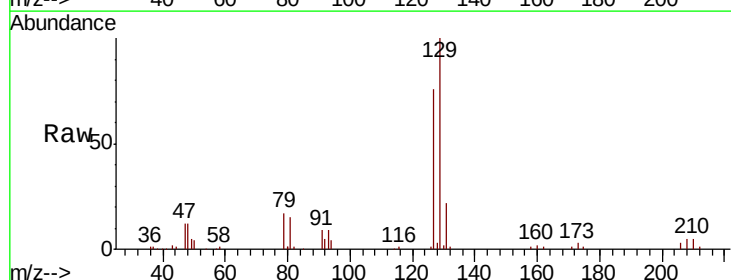
Manual Integrations
APPROVED

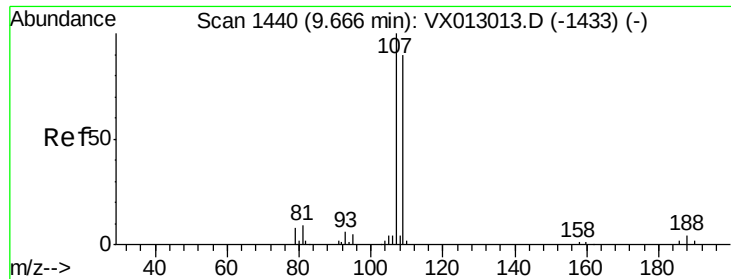
MMDadoda
10/21/2019 2:54:59 PM



#60
Dibromochloromethane
Concen: 19.455 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Tgt Ion: 129 Resp: 40603
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.839 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX1014WBSD01

Tot Ion:107 Resp: 43763

Ion Ratio Lower Upper

107 100

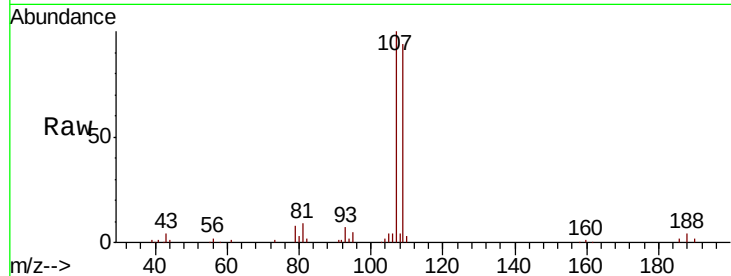
109 92.3 75.8 113.6

Manual Integrations

APPROVED

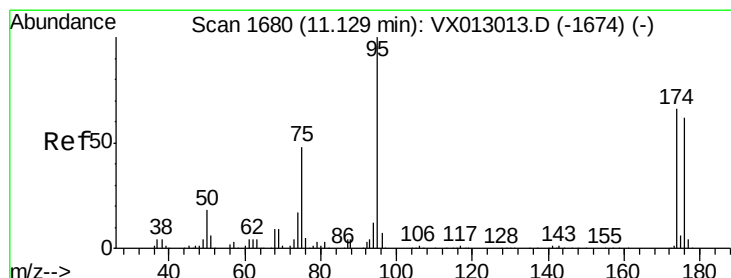
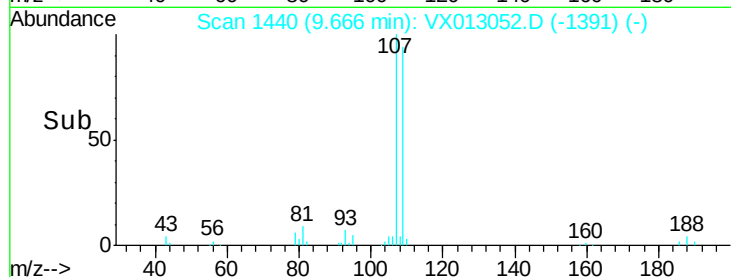
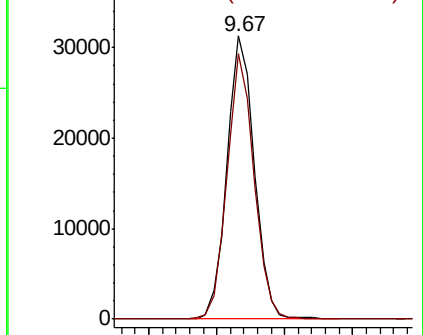
MMDadoda

10/21/2019 2:54:59 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.549 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

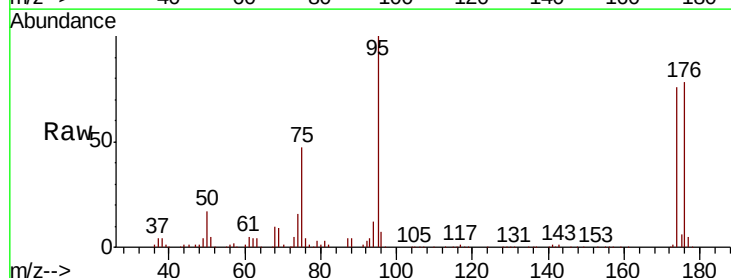
Tgt Ion: 95 Resp: 130869

Ion Ratio Lower Upper

95 100

174 73.6 0.0 143.4

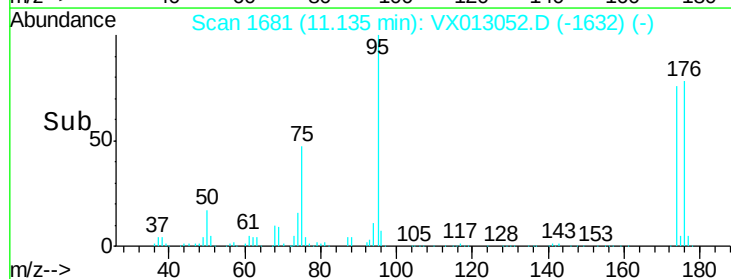
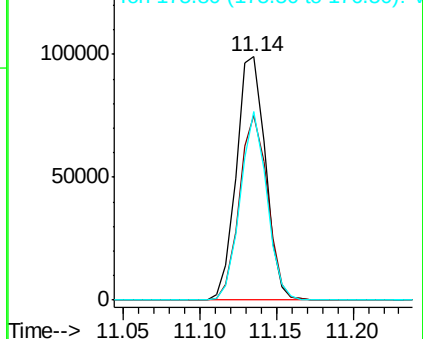
176 70.5 0.0 136.0

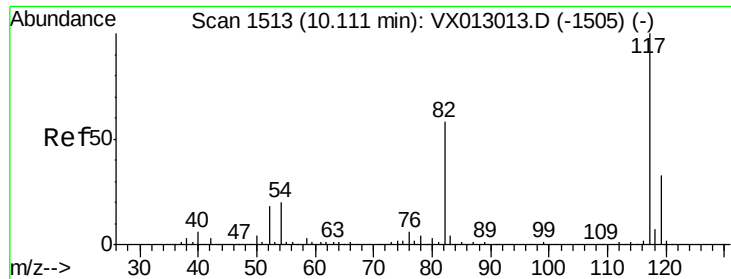


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

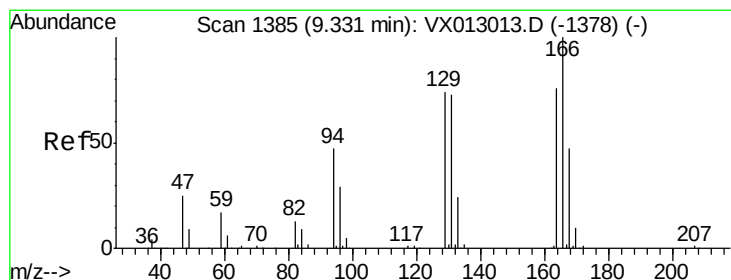
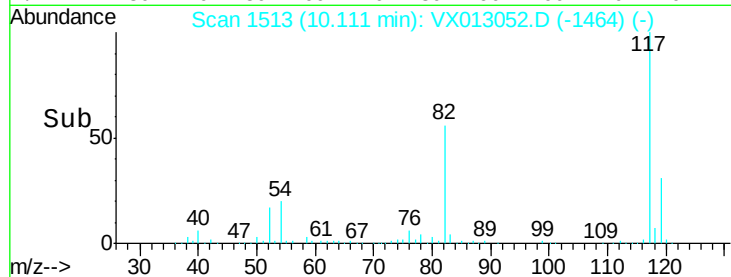
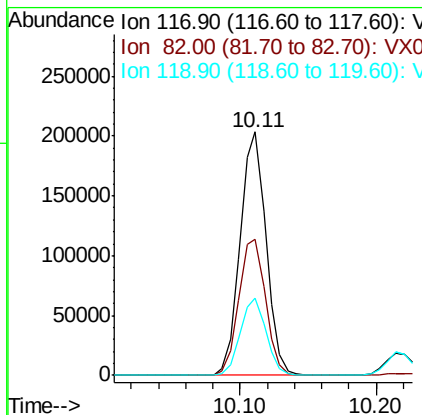
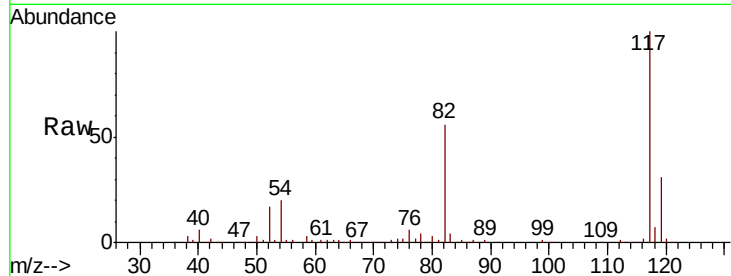
ClientSampleId :

VX1014WBSD01

Tot Ion:	117	Resp:	270973
Ion Ratio	Lower	Upper	
117	100		
82	56.0	44.1	66.1
119	31.5	25.8	38.8

Manual Integrations
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#64

Tetrachloroethene

Concen: 21.181 ug/l

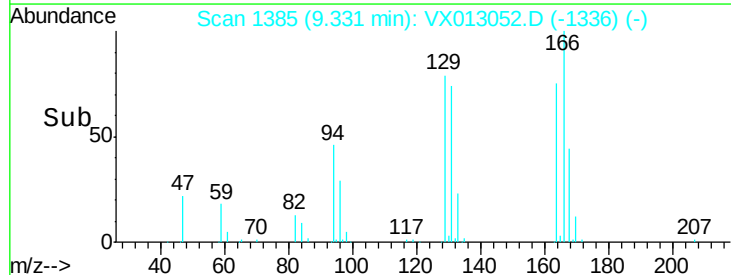
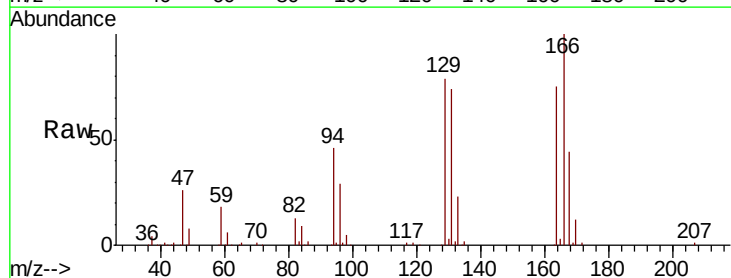
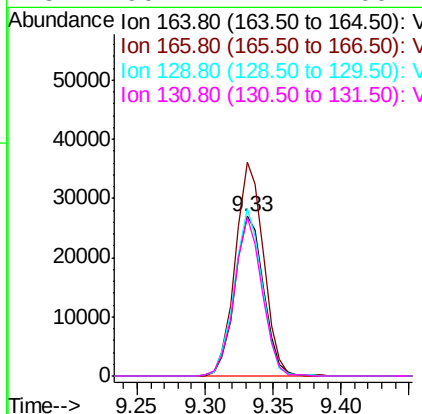
RT: 9.33 min Scan# 1385

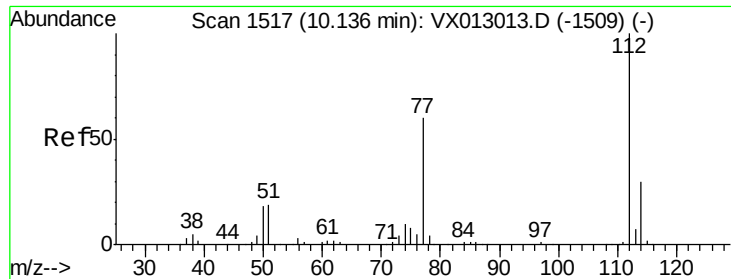
Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Tgt Ion:	164	Resp:	39809
Ion Ratio	Lower	Upper	
164	100		
166	133.9	96.9	145.3
129	105.4	77.9	116.9
131	99.4	72.7	109.1





#65

Chlorobenzene

Concen: 20.160 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX1014WBSD01

Tot Ion:112 Resp: 108481

Ion Ratio Lower Upper

112 100

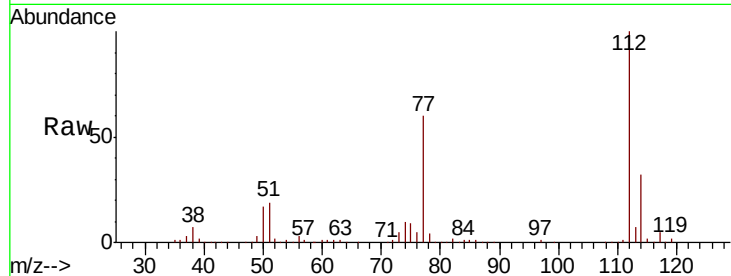
114 31.7 25.7 38.5

Manual Integrations

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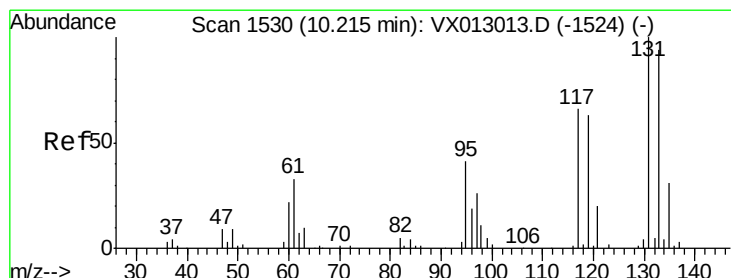
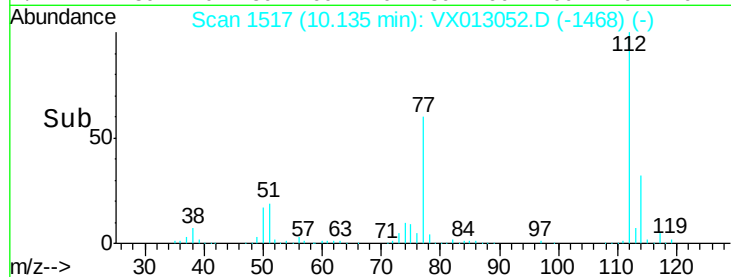
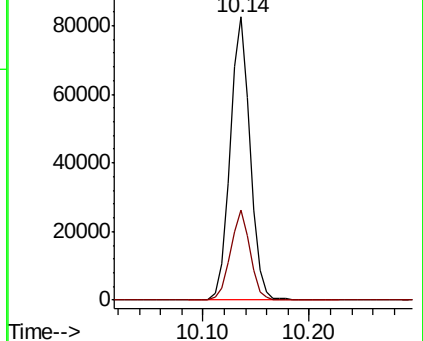
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.210 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

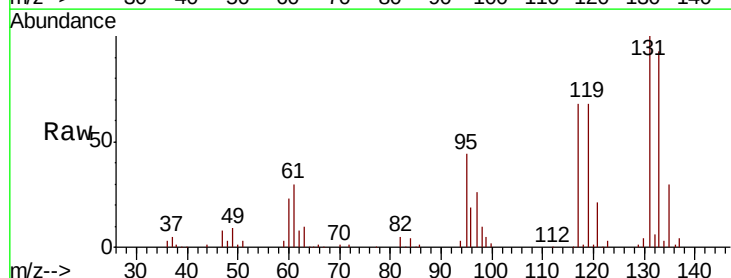
Tgt Ion:131 Resp: 39572

Ion Ratio Lower Upper

131 100

133 93.7 47.2 141.6

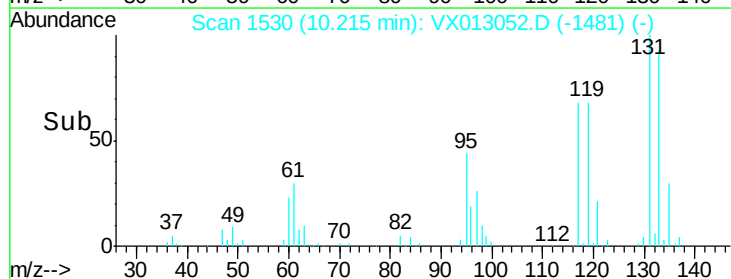
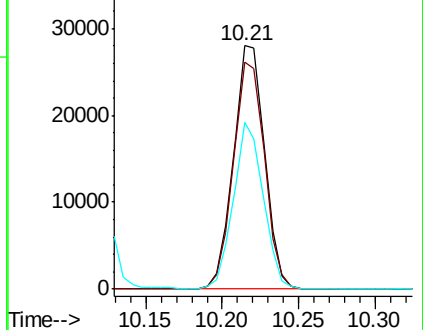
119 65.6 32.6 98.0

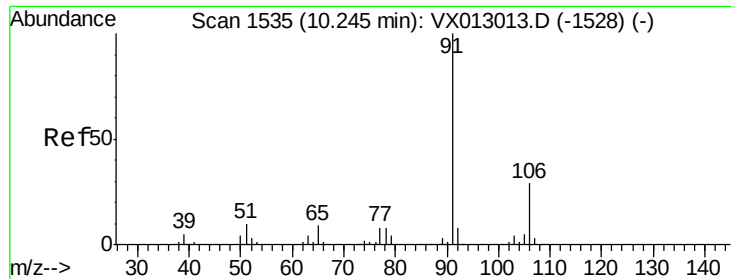


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





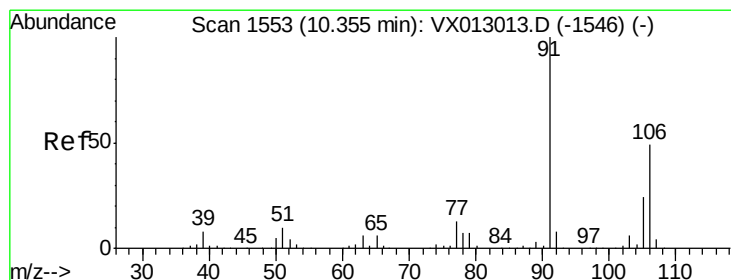
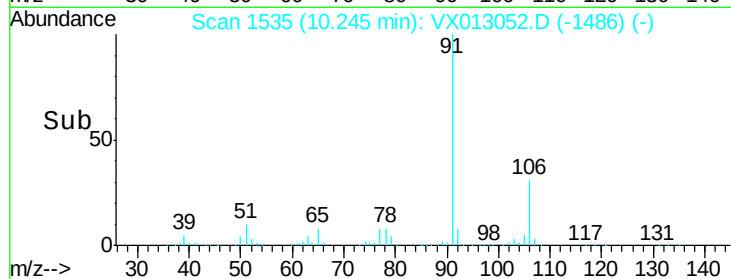
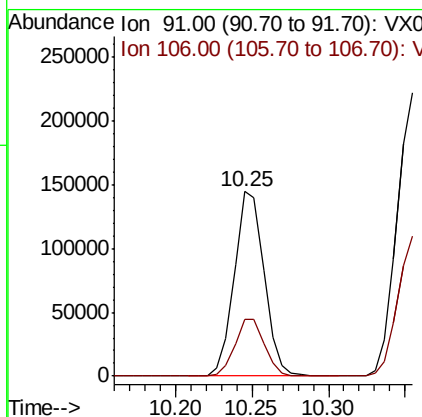
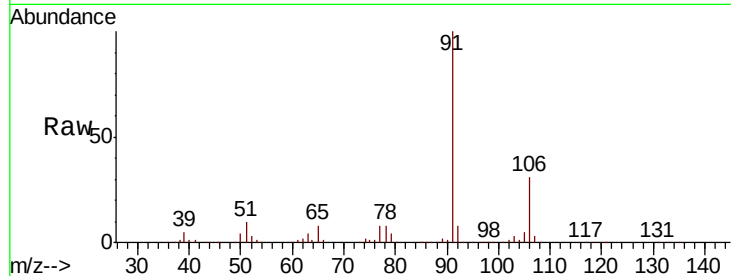
#67
Ethyl Benzene
Concen: 20.521 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX1014WBSD01

Tot Ion: 91 Resp: 196150
Ion Ratio Lower Upper
91 100
106 30.6 23.9 35.9

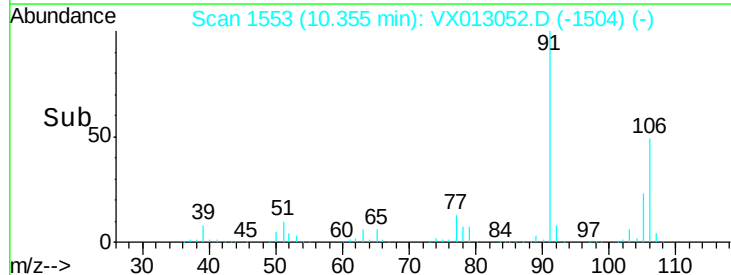
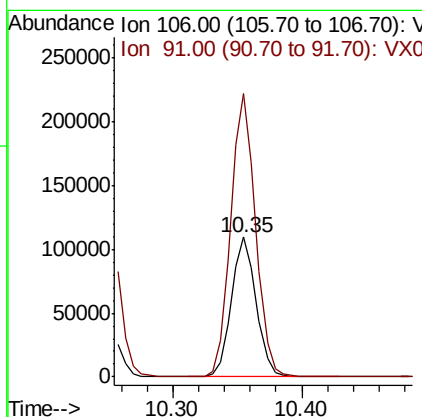
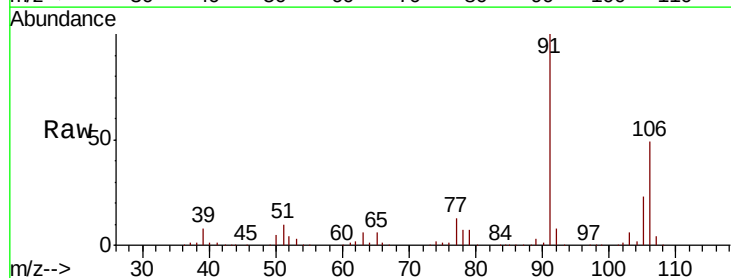
Manual Integrations
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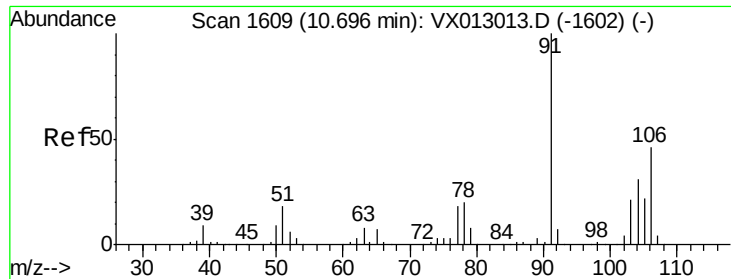
MMDadoda
10/21/2019 2:54:59 PM



#68
m/p-Xylenes
Concen: 41.028 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Tgt Ion: 106 Resp: 146505
Ion Ratio Lower Upper
106 100
91 204.6 165.3 247.9





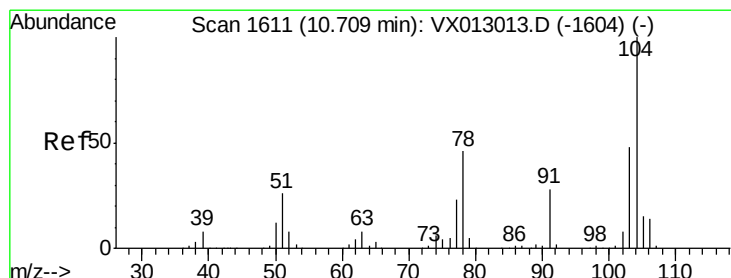
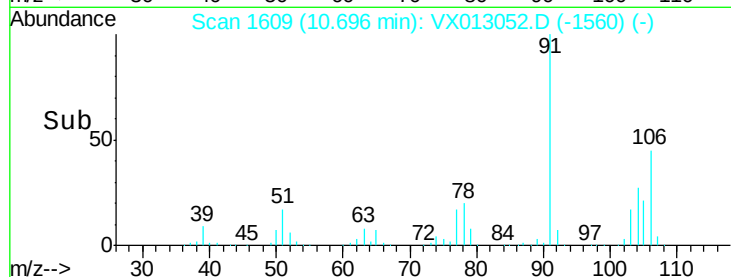
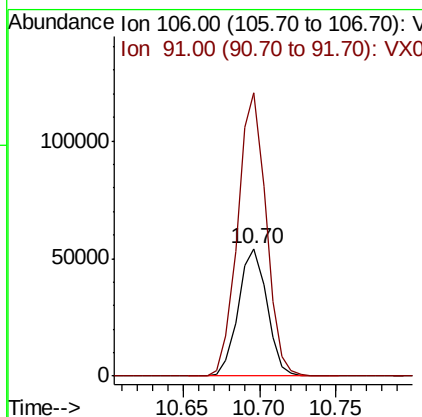
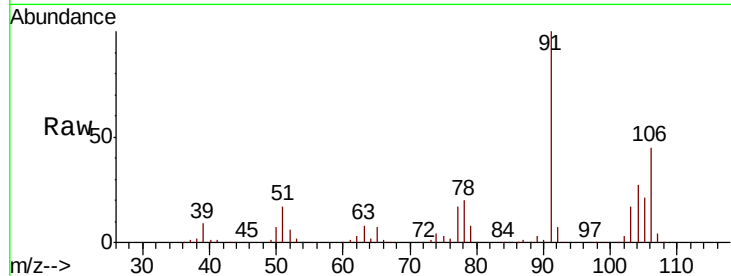
#69
o-Xylene
Concen: 20.277 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX1014WBSD01

Tot Ion:106 Resp: 70608
Ion Ratio Lower Upper
106 100
91 219.9 109.1 327.3

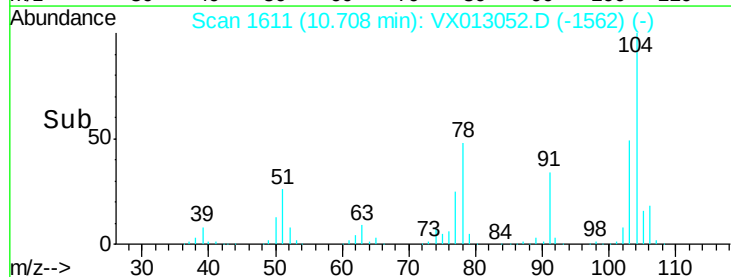
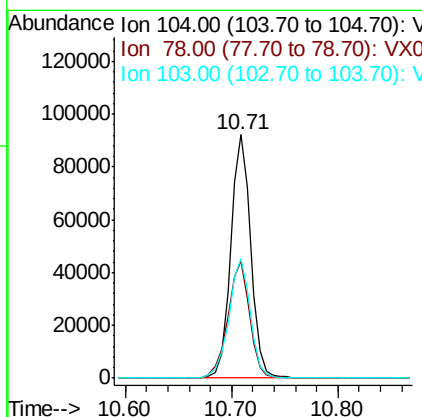
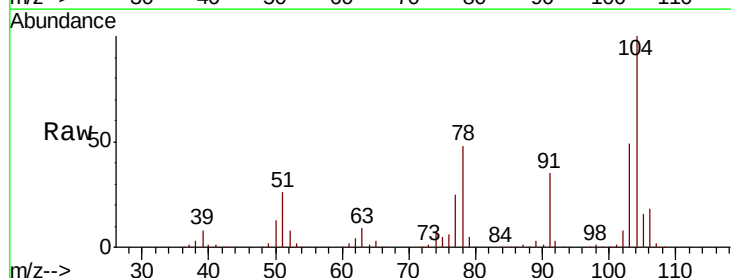
Manual Integrations
APPROVED

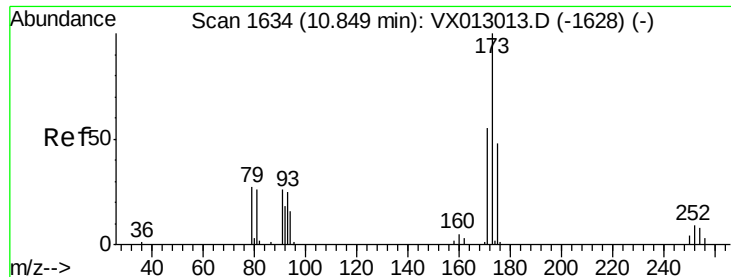
MMDadoda
10/21/2019 2:54:59 PM



#70
Styrene
Concen: 20.480 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Tgt Ion:104 Resp: 121236
Ion Ratio Lower Upper
104 100
78 52.3 41.2 61.8
103 53.0 43.0 64.4





#71

Bromoform

Concen: 18.812 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX1014WBSD01

Tot Ion:173 Resp: 26587

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.3

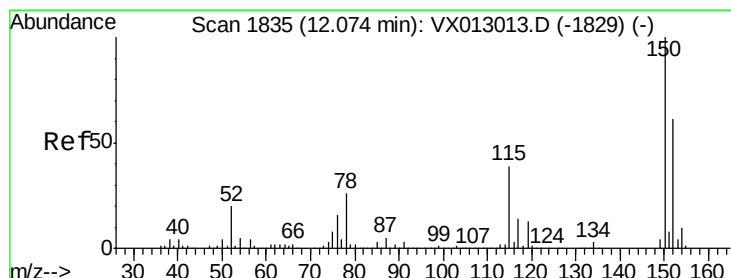
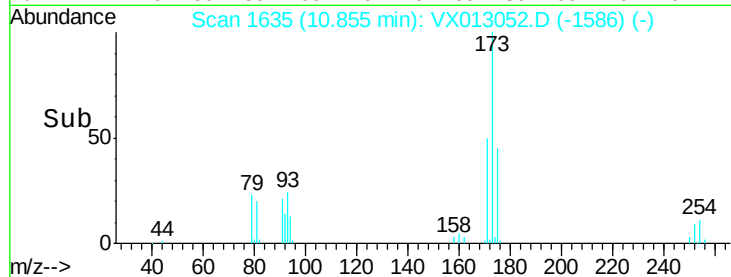
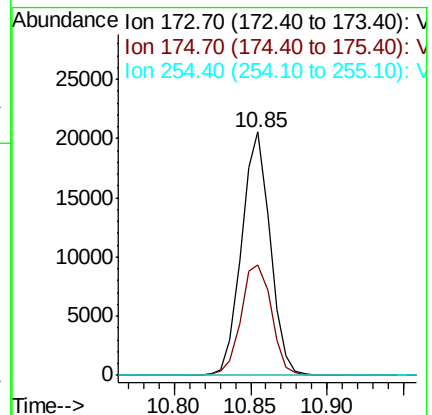
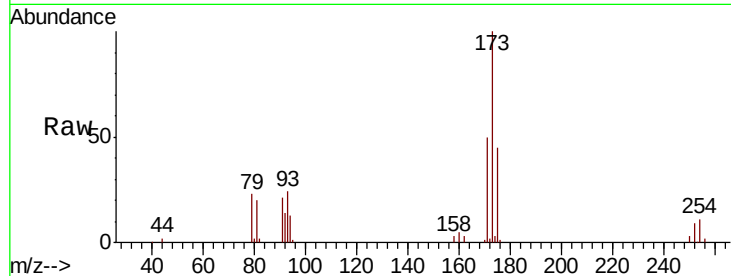
254 0.0 0.1 0.1#

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

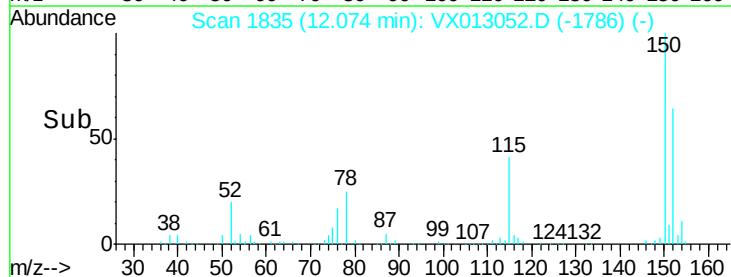
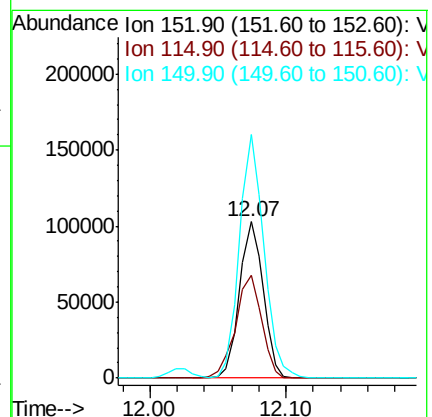
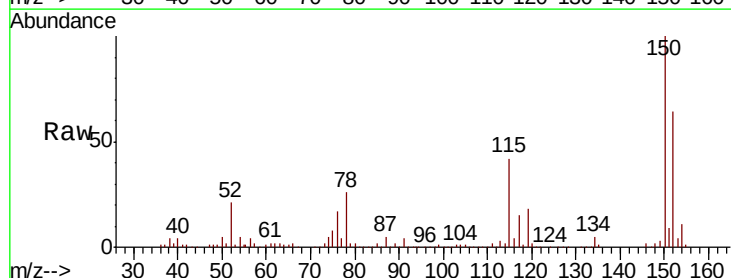
Tgt Ion:152 Resp: 124971

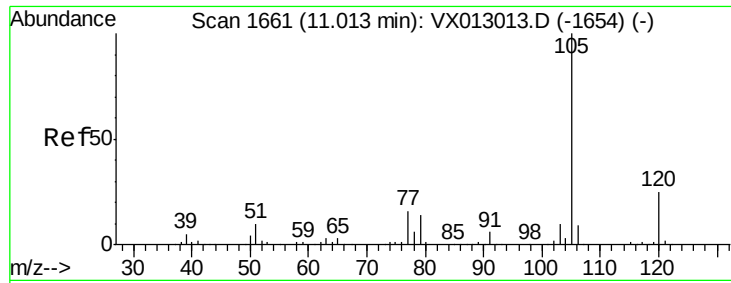
Ion Ratio Lower Upper

152 100

115 72.1 44.5 133.5

150 161.3 0.0 353.4





#73

Isopropylbenzene

Concen: 20.498 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX1014WBSD01

Tot Ion: 105 Resp: 188337

Ion Ratio Lower Upper

105 100

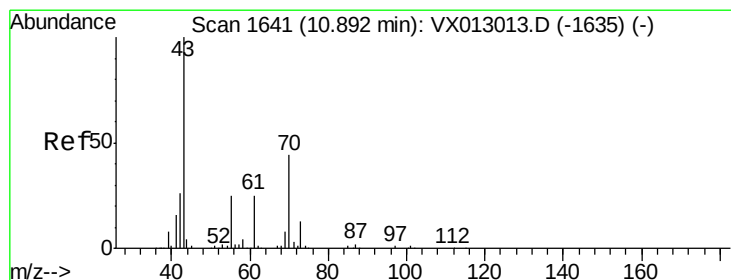
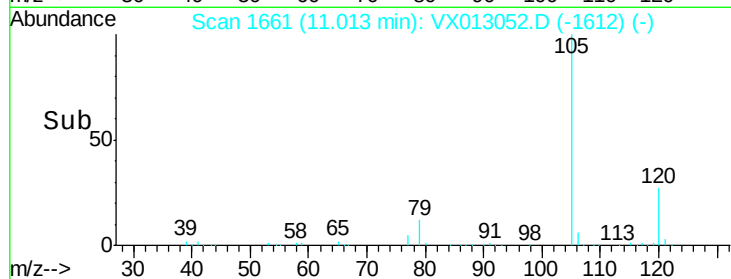
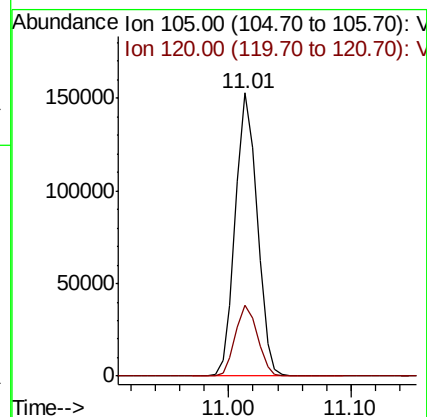
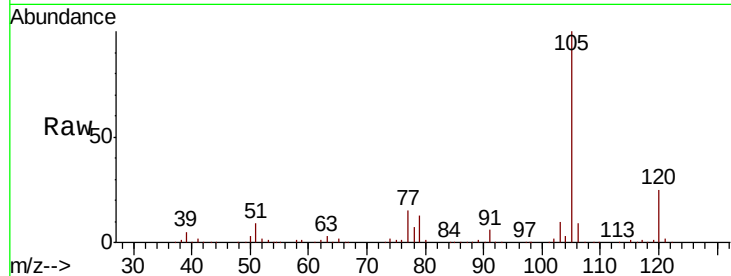
120 25.6 13.0 39.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.917 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Tgt Ion: 43 Resp: 78813

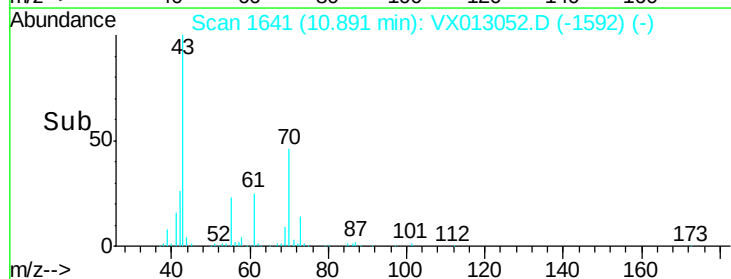
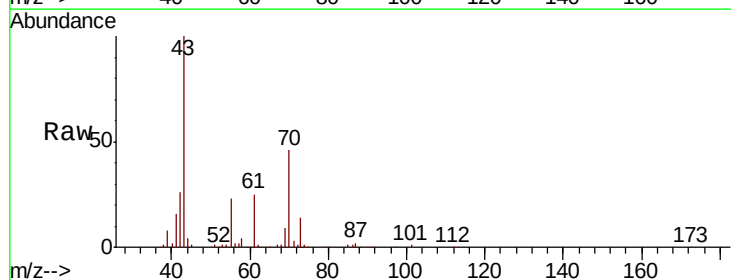
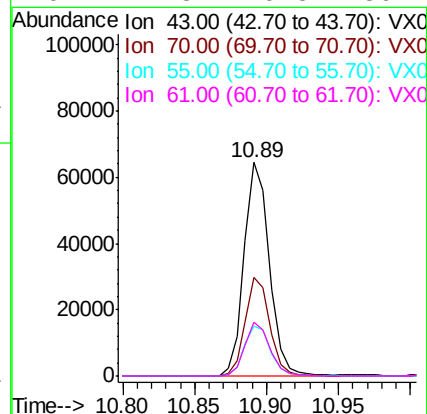
Ion Ratio Lower Upper

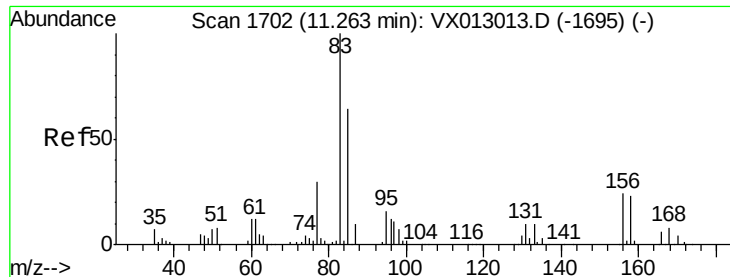
43 100

70 44.8 36.4 54.6

55 24.6 20.2 30.2

61 24.8 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.811 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

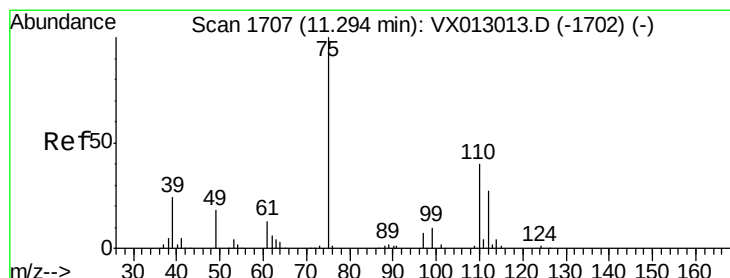
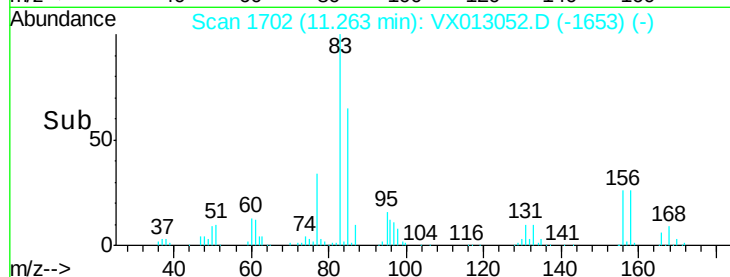
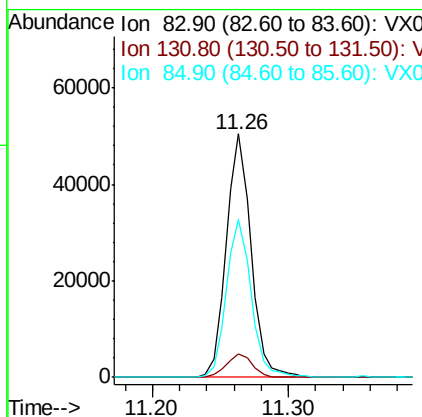
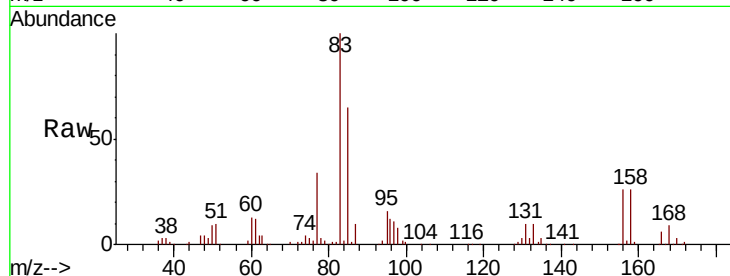
ClientSampleId :

VX1014WBSD01

Tot Ion:	83	Resp:	63599
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	65.0	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.819 ug/l m

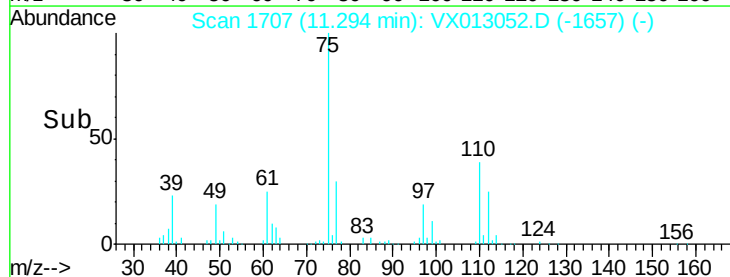
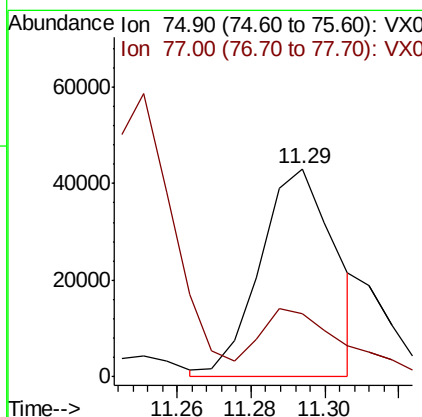
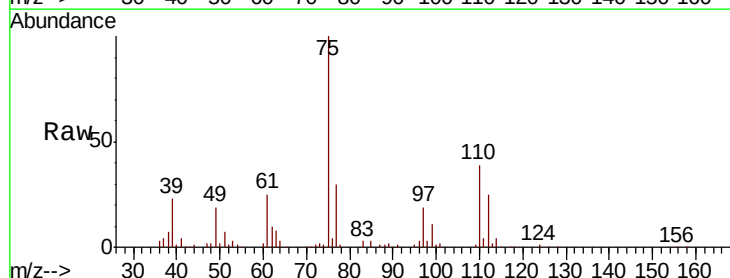
RT: 11.29 min Scan# 1707

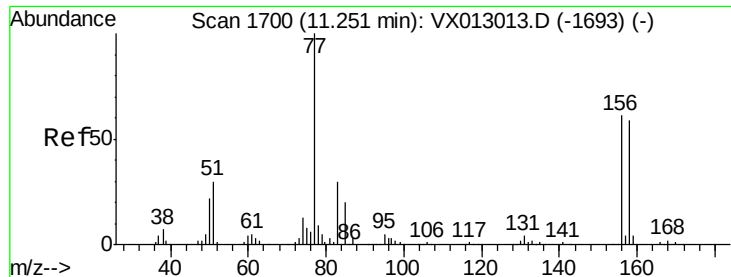
Delta R.T. 0.01 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Tgt Ion:	75	Resp:	60480
Ion Ratio	Lower	Upper	
75	100		
77	37.3	22.9	68.8





#77

Bromobenzene

Concen: 20.452 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

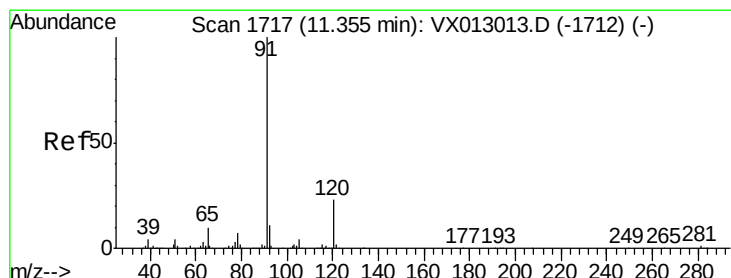
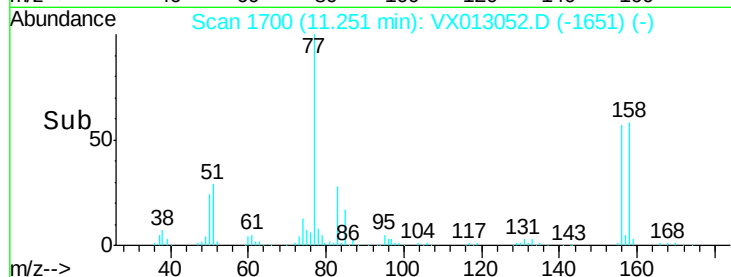
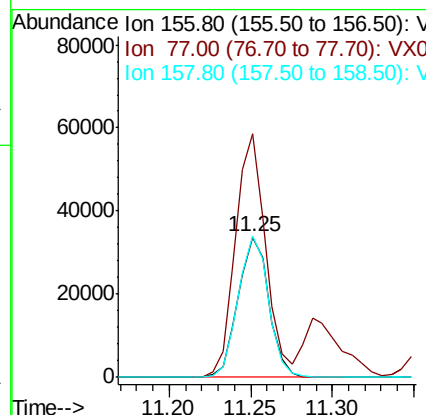
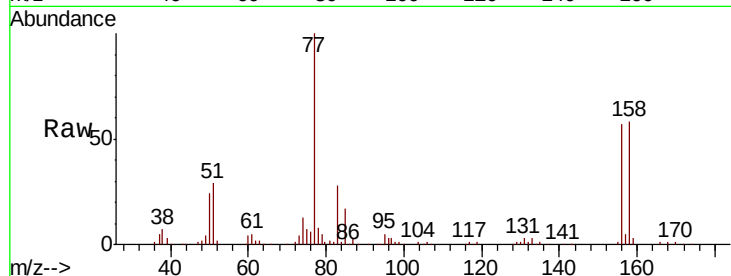
ClientSampleId :

VX1014WBSD01

Tot Ion	156	Resp	44282
Ion	Ratio	Lower	Upper
156	100		
77	170.3	83.7	251.0
158	99.7	48.6	145.9

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#78

n-propylbenzene

Concen: 20.339 ug/l

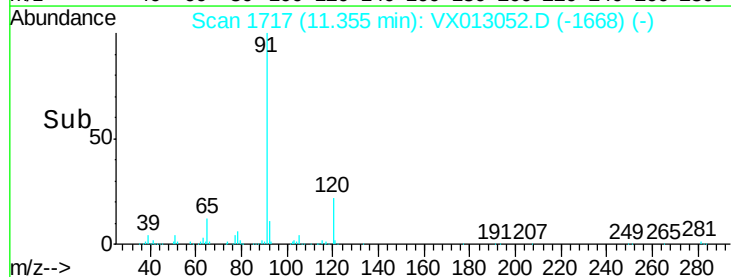
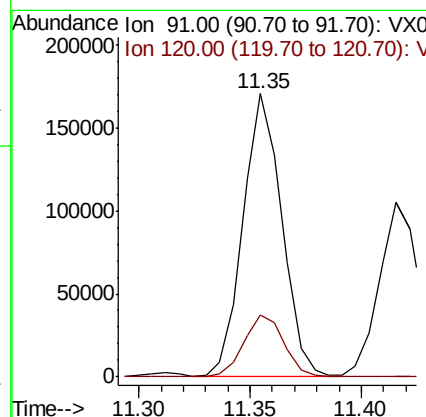
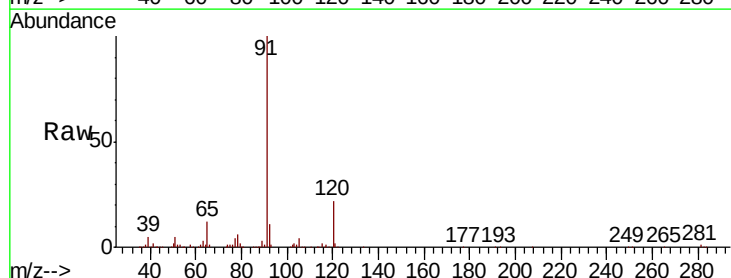
RT: 11.35 min Scan# 1717

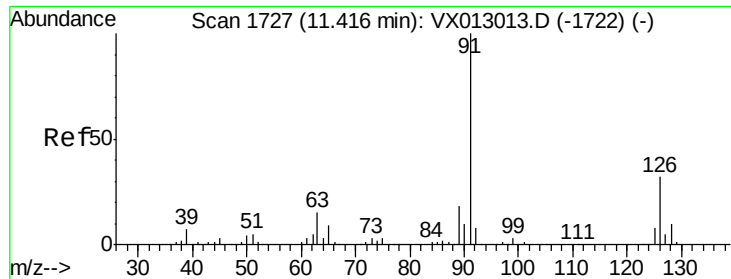
Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Tgt Ion	91	Resp	205631
Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.7	35.1





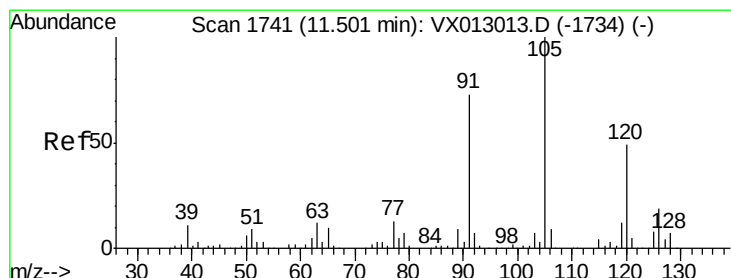
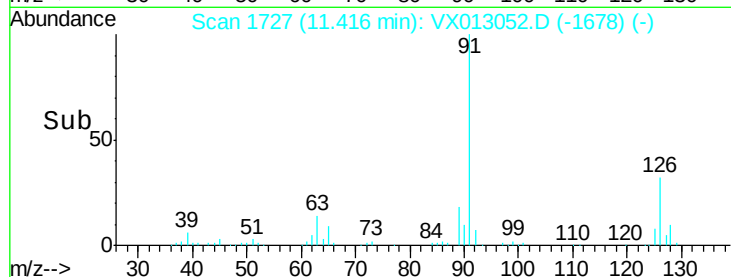
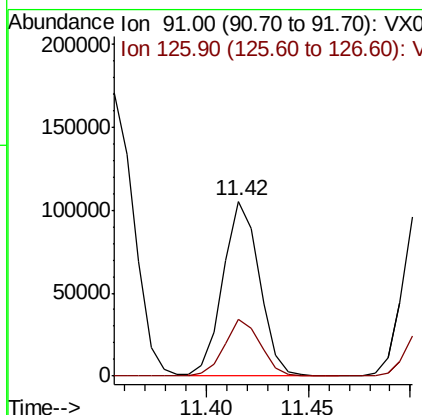
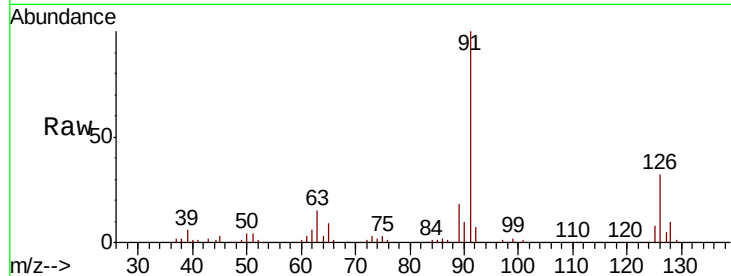
#79
 2-Chlorotoluene
 Concen: 20.353 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1014WBSD01

Tot Ion: 91 Resp: 129325
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.3 48.8

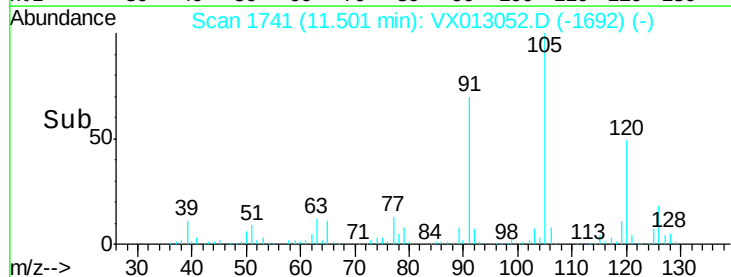
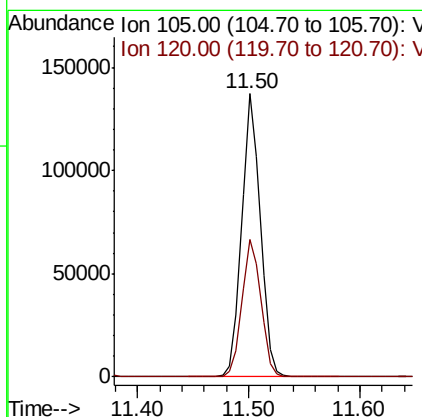
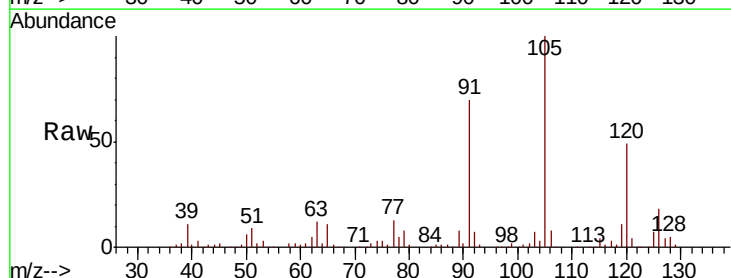
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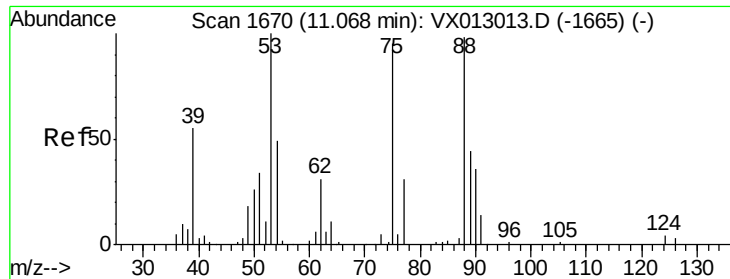
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.777 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Tgt Ion: 105 Resp: 159403
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.8 74.3





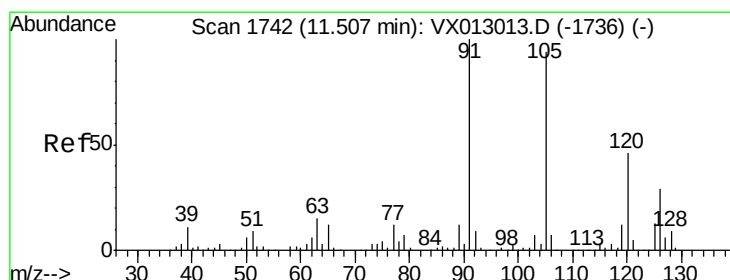
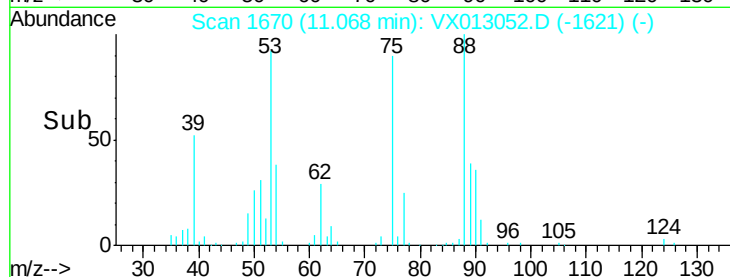
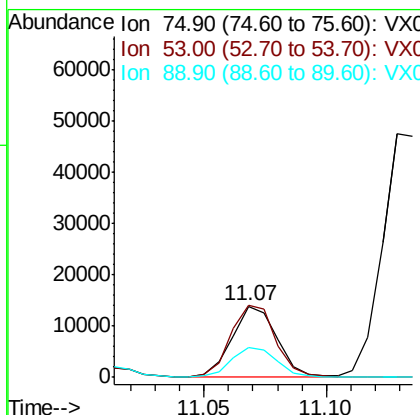
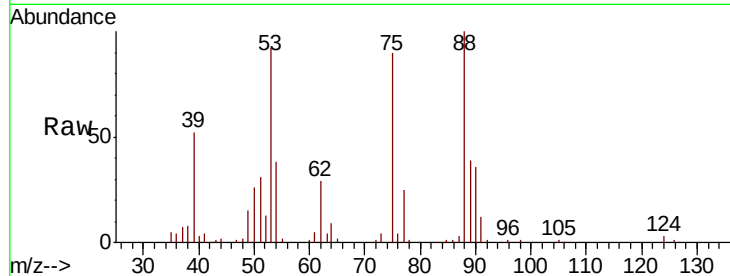
#81
trans-1,4-Dichloro-2-butene
Concen: 19.294 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX1014WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.9	78.5	117.7
89	42.9	37.4	56.2

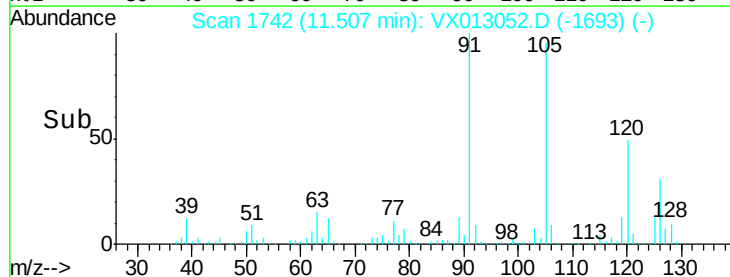
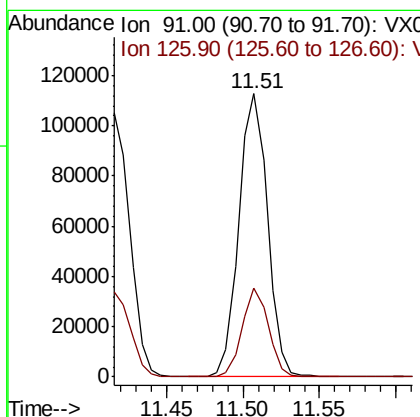
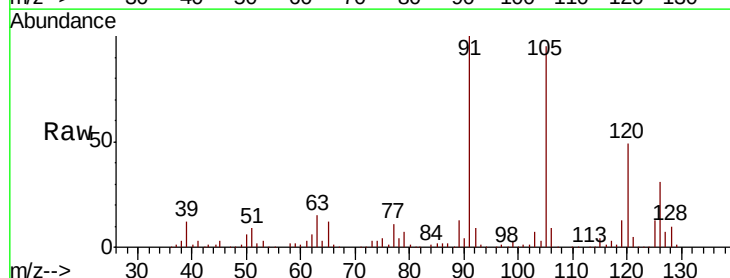
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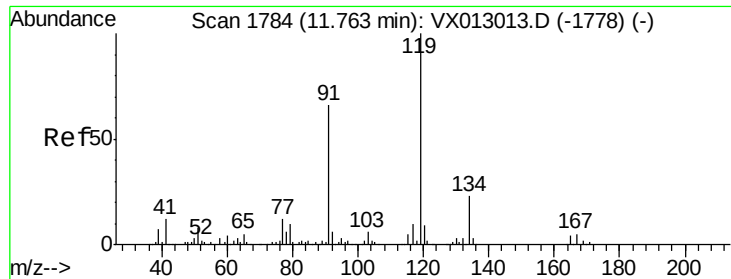
MMDadoda
10/21/2019 2:54:59 PM



#82
4-Chlorotoluene
Concen: 20.000 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.2	42.6





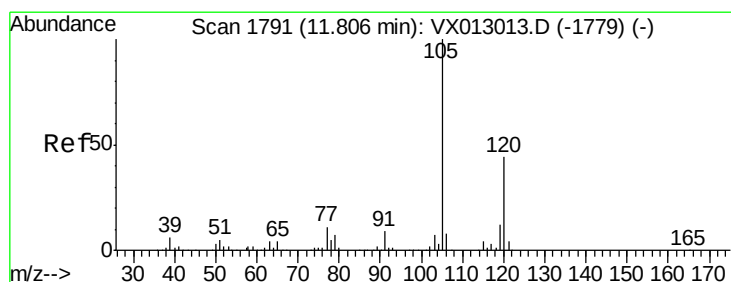
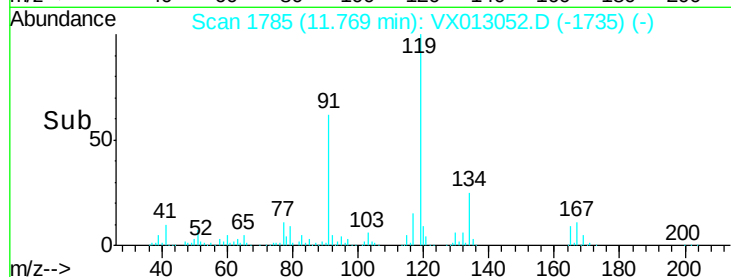
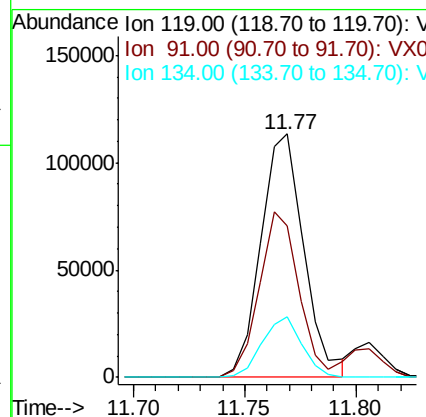
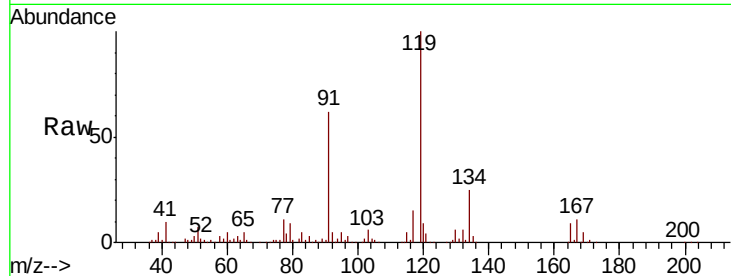
#83
 tert-Butylbenzene
 Concen: 20.422 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.01 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1014WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	29.3	87.9
134	23.0	11.5	34.4

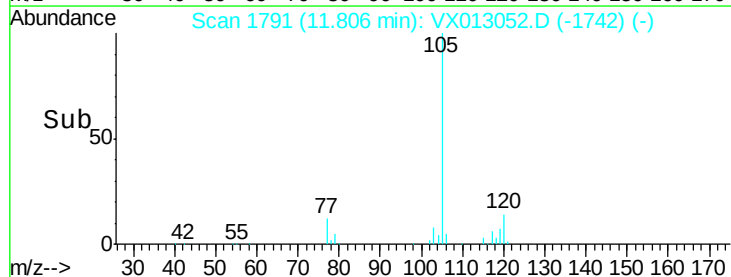
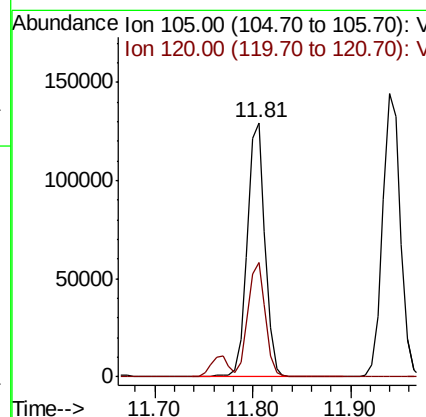
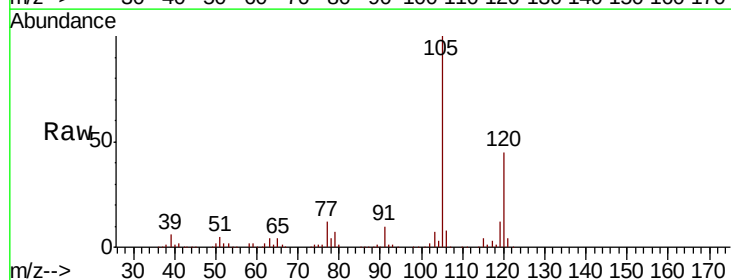
Manual Integrations
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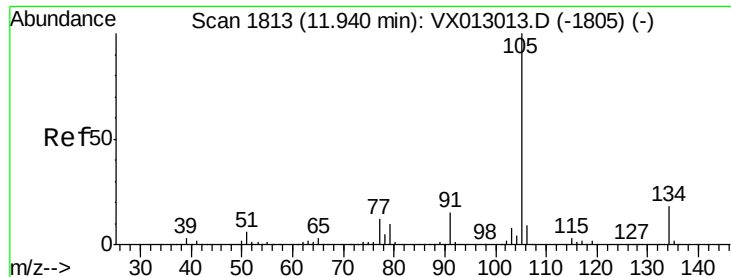
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.938 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.8	65.3





#85

sec-Butylbenzene

Concen: 20.949 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX1014WBSD01

Tot Ion:105 Resp: 181637

Ion Ratio Lower Upper

105 100

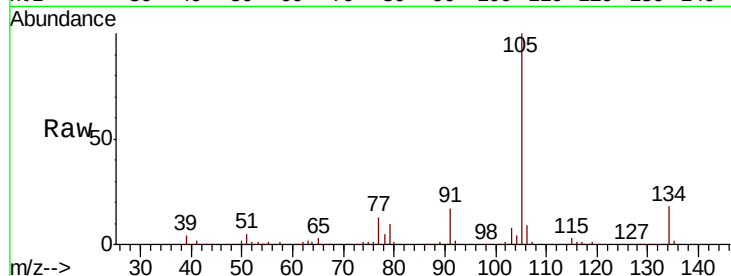
134 19.2 10.0 30.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

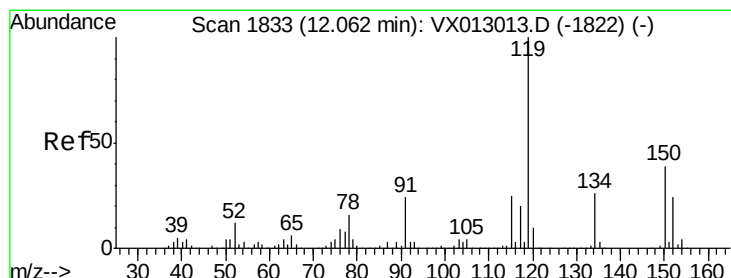
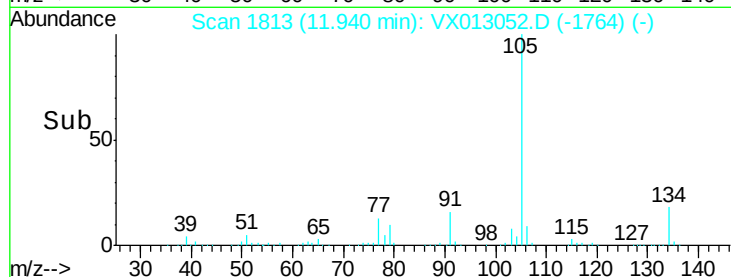
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.303 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

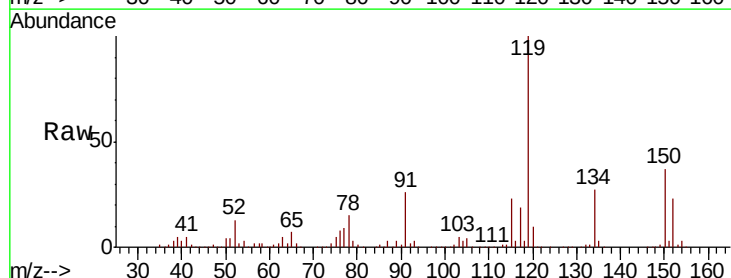
Tgt Ion:119 Resp: 163264

Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.8

91 24.9 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

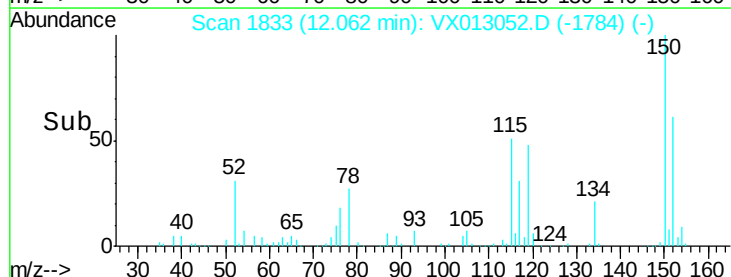
150000

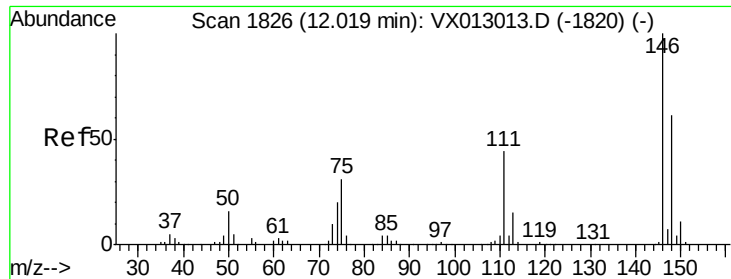
100000

50000

0

Time-->





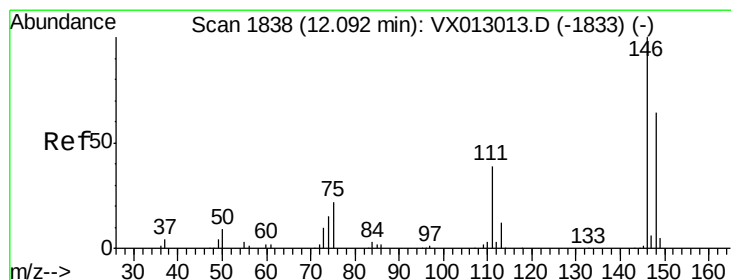
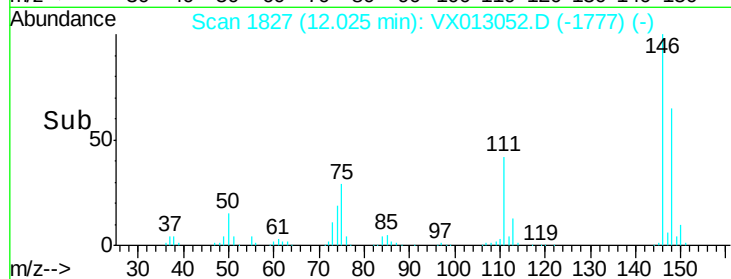
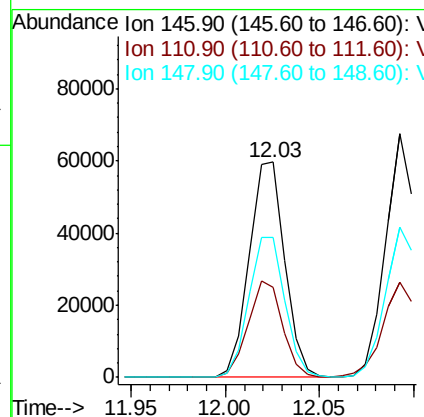
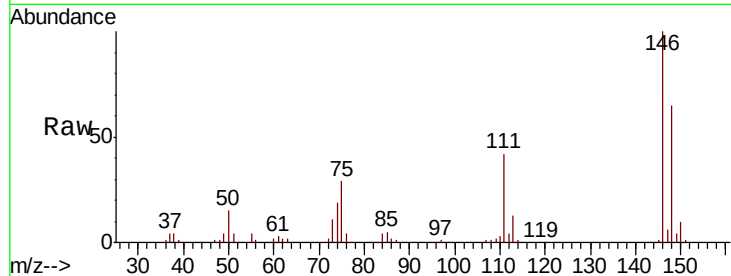
#87
 1,3-Dichlorobenzene
 Concen: 19.523 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1014WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.1	63.4
148	65.4	31.6	95.0

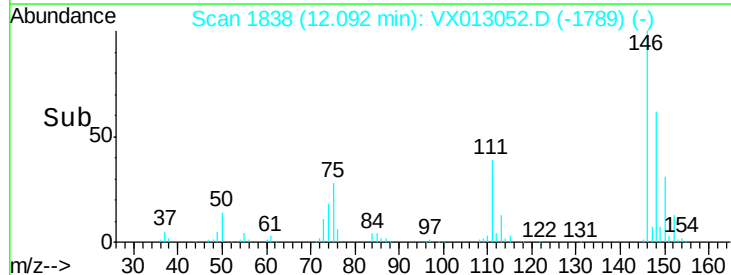
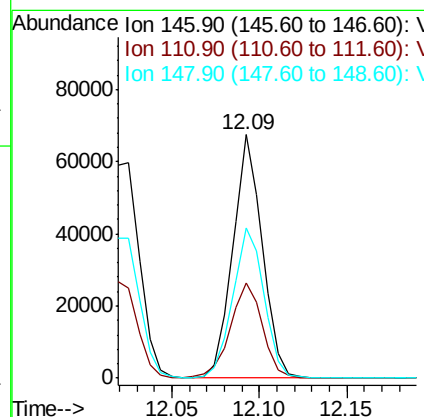
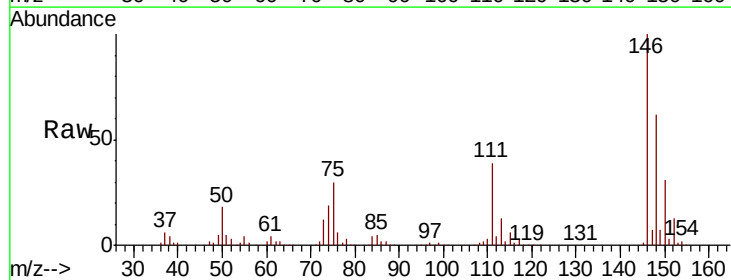
Manual Integrations
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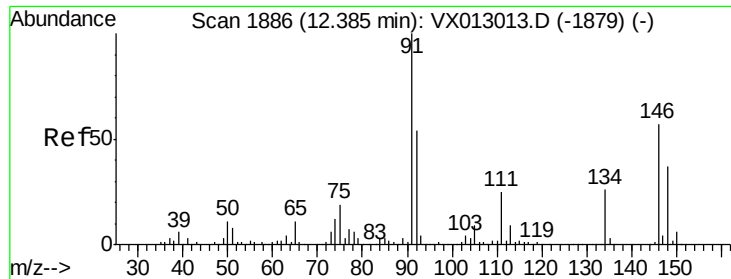
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 19.404 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.3
148	65.5	32.1	96.5





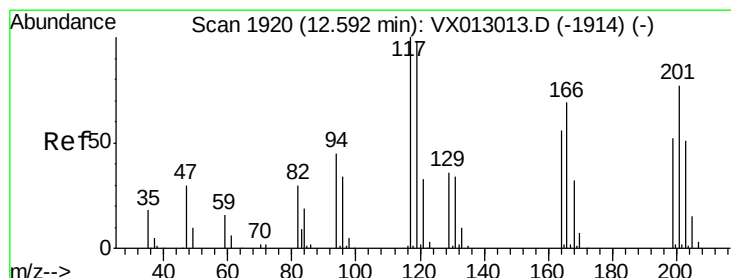
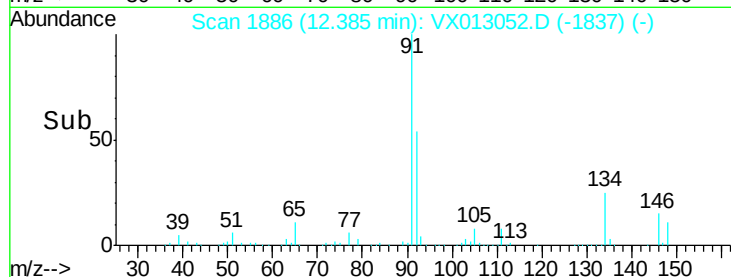
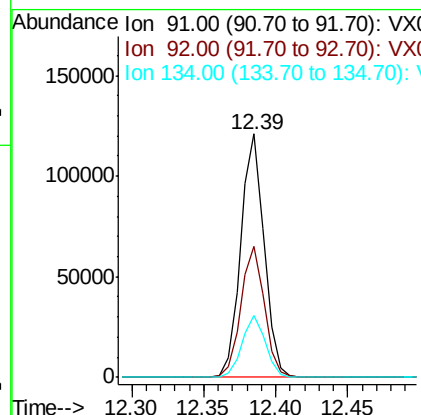
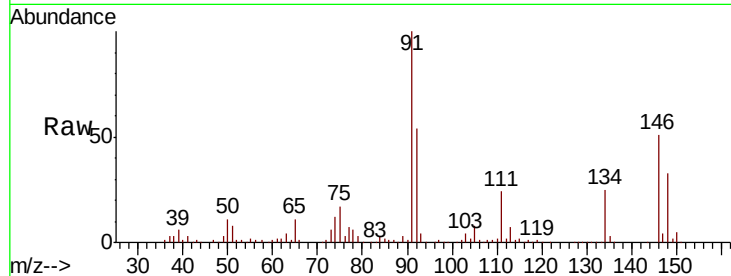
#89
n-Butylbenzene
Concen: 20.325 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX1014WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	137367		
92	54.1	27.5	82.5	
134	25.3	12.9	38.7	

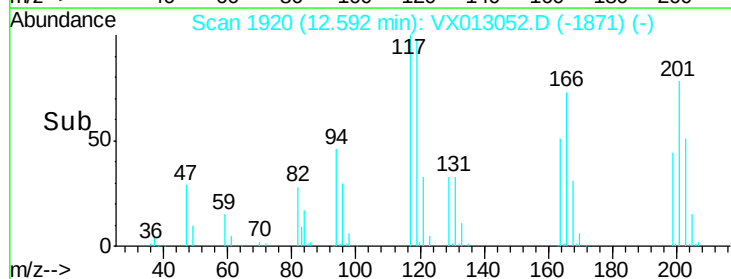
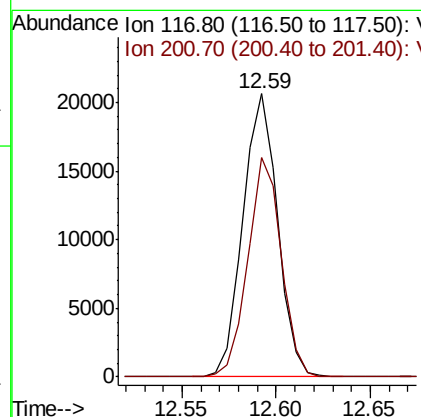
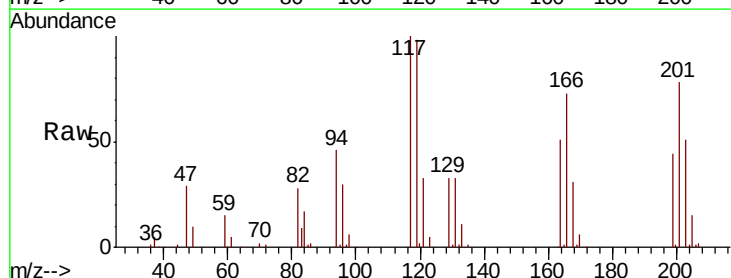
Manual Integrations
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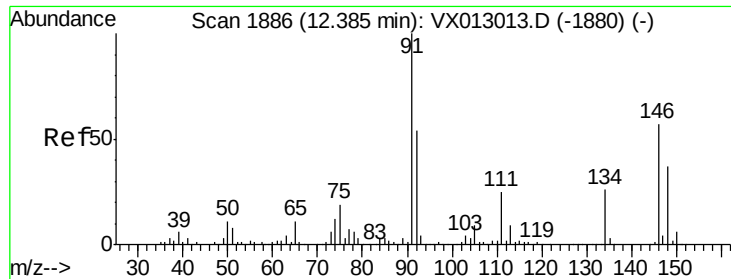
MMDadoda
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#90
Hexachloroethane
Concen: 19.037 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	26313		
201	74.8	36.9	110.7	





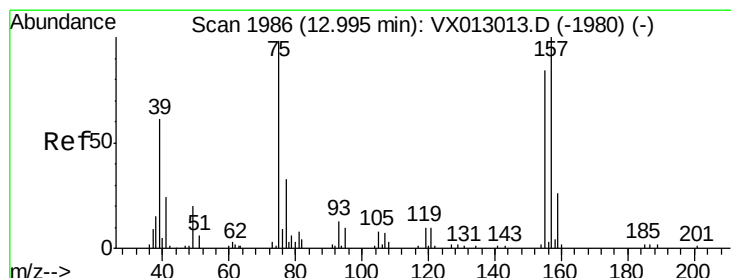
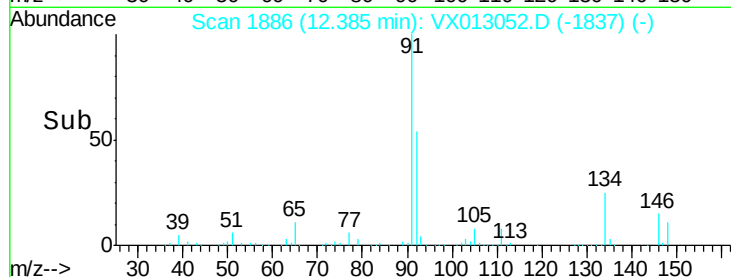
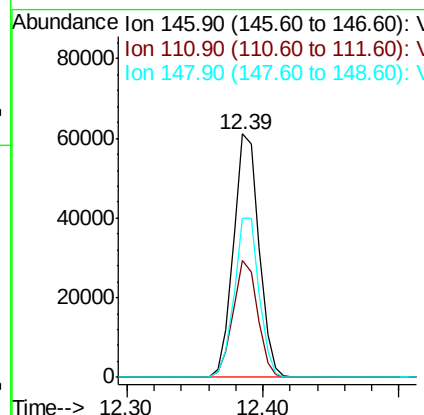
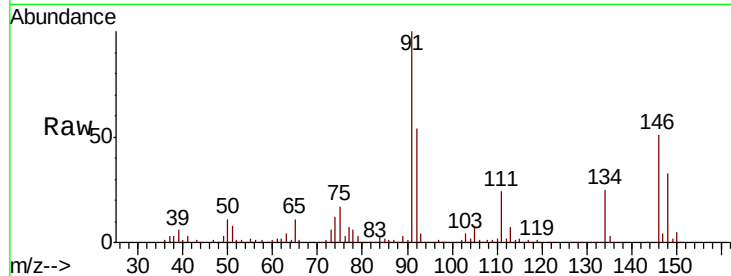
#91
 1,2-Dichlorobenzene
 Concen: 20.179 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1014WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.7	68.0
148	64.0	31.6	94.7

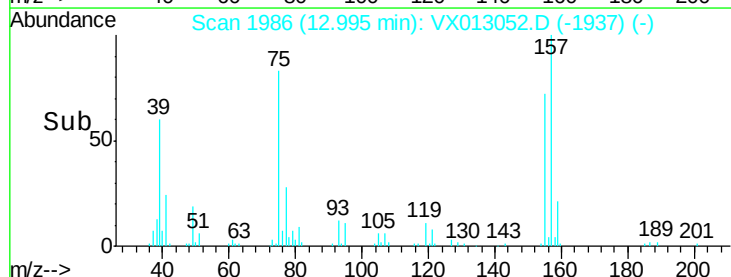
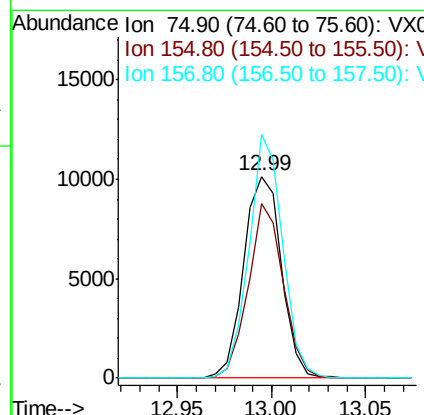
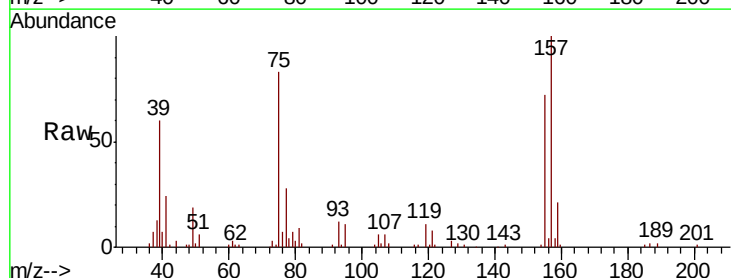
Manual Integrations
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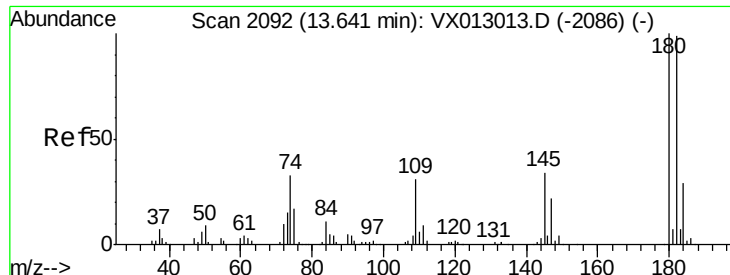
MMDadoda
 10/21/2019 2:54:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.539 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013052.D
 Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.9	43.0	128.8
157	108.5	54.1	162.3





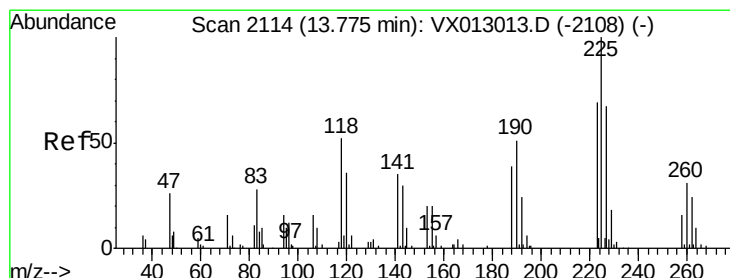
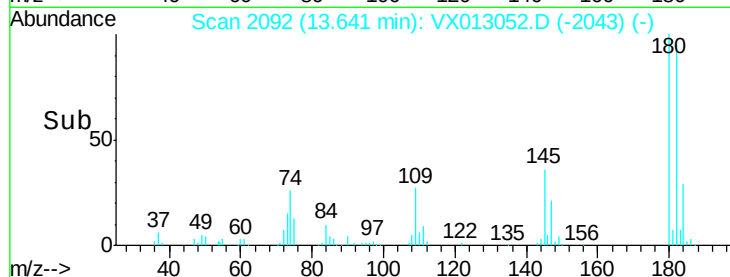
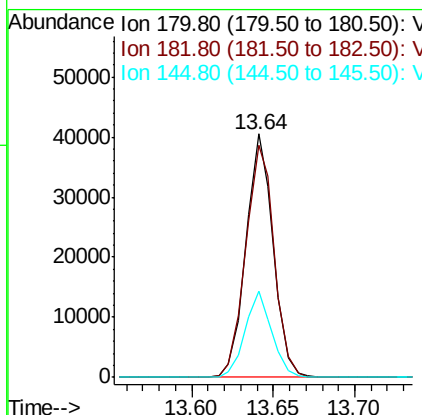
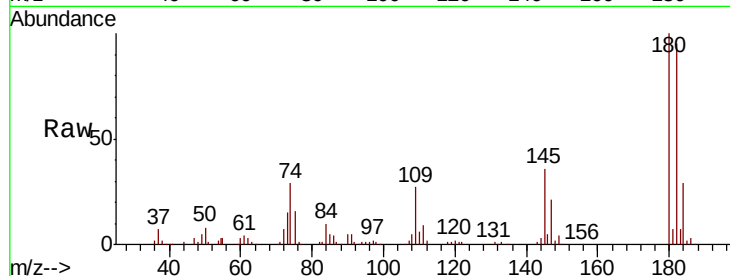
#93
1,2,4-Trichlorobenzene
Concen: 19.101 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX1014WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.7	46.8	140.4
145	34.6	16.2	48.6

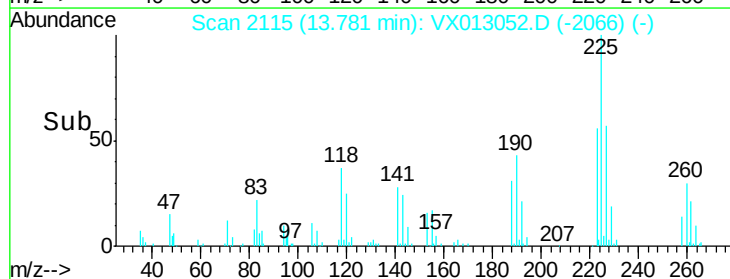
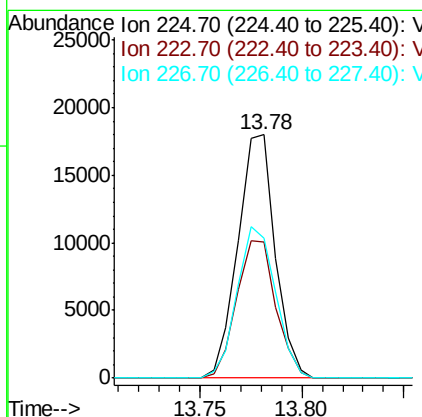
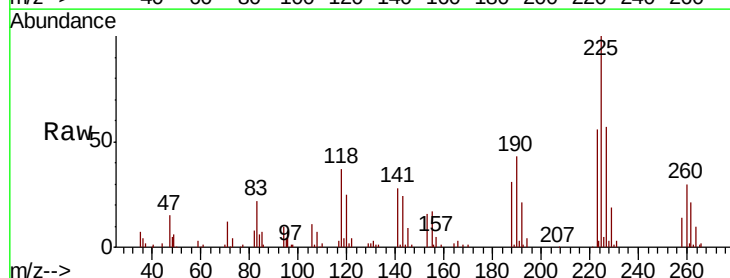
Manual Integrations
APPROVED

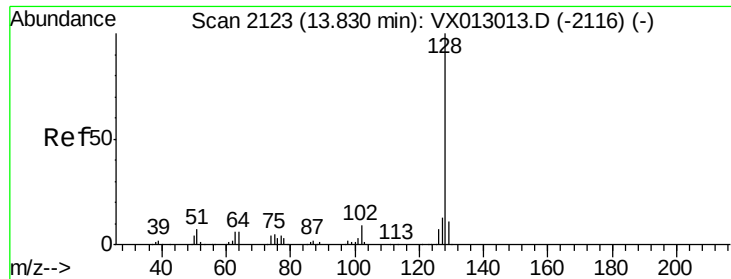
MMDadoda
10/21/2019 2:54:59 PM



#94
Hexachlorobutadiene
Concen: 20.083 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VX013052.D
Acq: 14 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.4	31.1	93.2
227	63.8	32.3	96.9





#95

Naphthalene

Concen: 20.003 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Instrument :

MSVOA_X

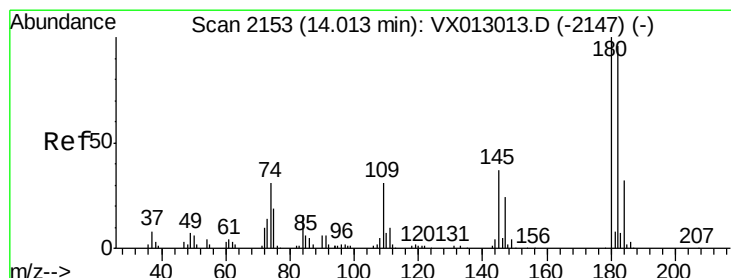
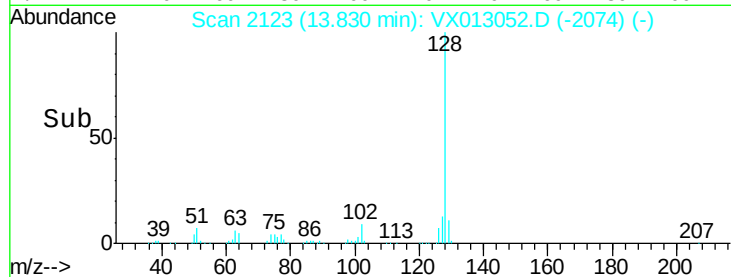
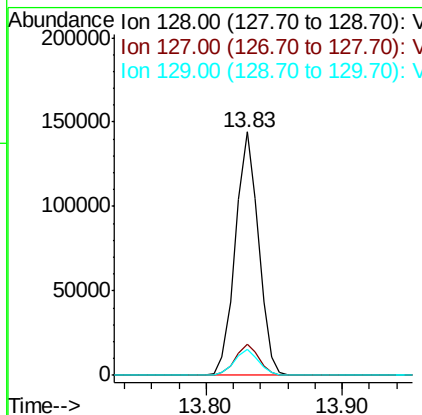
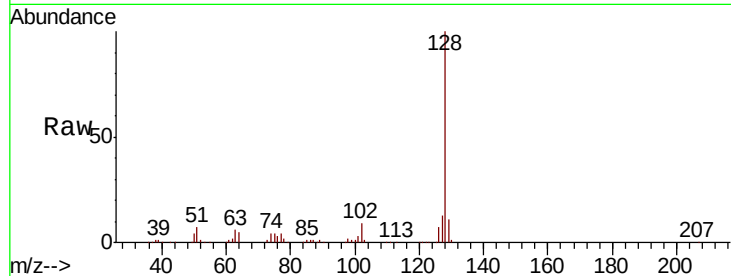
ClientSampleId :

VX1014WBSD01

Tot Ion:	128	Resp:	171217
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/21/2019 2:54:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.001 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX013052.D

Acq: 14 Oct 2019 15:19

Tgt Ion:	180	Resp:	51036
Ion Ratio	Lower	Upper	
180	100		
182	90.7	47.5	142.5
145	34.0	17.4	52.3

