

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011620\
 Data File : VX014633.D
 Acq On : 16 Jan 2020 13:14
 Operator : JC/SP
 Sample : VX0116WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/17/2020 11:23:33 AM

Quant Time: Jan 17 06:17:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	73147	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	393352	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	361141	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	155573	30.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.87%
60) 4-Bromofluorobenzene	11.13	95	173477	30.02	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.07%
63) Toluene-d8	8.71	98	490487	30.07	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	102073	20.192	ug/l 99
3) Chloromethane	1.32	50	105946	19.143	ug/l 94
4) Vinyl Chloride	1.40	62	119812	19.280	ug/l 97
5) Bromomethane	1.64	94	69849	18.012	ug/l 99
6) Chloroethane	1.72	64	67789	19.350	ug/l 96
7) Trichlorofluoromethane	1.92	101	133496	19.401	ug/l 100
8) Diethyl Ether	2.17	74	60978	20.289	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	80878	20.090	ug/l 98
10) 1,1-Dichloroethene	2.37	96	77568	19.156	ug/l 98
11) Methyl Iodide	2.50	142	100211	18.453	ug/l 99
12) Methyl Acetate	2.76	43	150358	20.555	ug/l 97
13) Acrolein	2.28	56	68522	89.182	ug/l 99
14) Acrylonitrile	3.12	53	247269	98.791	ug/l 100
15) Acetone	2.43	58	74016	88.208	ug/l 93
16) Carbon Disulfide	2.56	76	206135	18.536	ug/l 98
17) Allyl chloride	2.72	41	139134	18.566	ug/l 96
18) Methylene Chloride	2.84	84	93261	19.679	ug/l 94
19) trans-1,2-Dichloroethene	3.15	96	84836	19.462	ug/l 96
20) Diisopropyl ether	3.84	45	293939	19.825	ug/l 96
21) 1,1-Dichloroethane	3.69	63	152489	18.931	ug/l 98
22) cis-1,2-Dichloroethene	4.58	96	97915	19.547	ug/l 98
23) tert-Butyl Alcohol	3.02	59	106055	102.456	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	263829	19.578	ug/l 98
25) Chloroform	5.20	83	151720	19.445	ug/l 96
26) Cyclohexane	5.57	56	142296	19.152	ug/l 98
29) 1,1-Dichloropropene	5.79	75	113665	19.703	ug/l 99
30) 2-Butanone	4.65	43	349295	95.584	ug/l 99
31) 2,2-Dichloropropane	4.57	77	116169	18.820	ug/l 99
32) 1,1,1-Trichloroethane	5.48	97	124045	19.436	ug/l 100
33) Carbon Tetrachloride	5.77	117	107150	19.556	ug/l 97
34) Benzene	6.13	78	352244	19.760	ug/l 99
35) Methacrylonitrile	5.03	41	71805	19.674	ug/l 95
36) 1,2-Dichloroethane	6.18	62	122712	19.781	ug/l 99
37) Trichloroethene	7.20	130	97208	19.916	ug/l 93
38) Methylcyclohexane	7.45	83	143838	20.026	ug/l 98
39) 1,2-Dichloropropane	7.50	63	89136	19.229	ug/l 94
40) Dibromomethane	7.65	93	59304	19.907	ug/l 99

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 Sample : VX0116WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/17/2020 11:23:33 AM

Quant Time: Jan 17 06:17:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	113935	19.530	ug/l	99
42) Vinyl Acetate	3.80	43	1138645	101.092	ug/l	100
43) Ethyl Acetate	4.81	43	126543	19.129	ug/l	100
44) Isopropyl Acetate	6.43	43	215149	20.161	ug/l	100
45) 1,4-Dioxane	7.73	88	45149	422.943	ug/l	100
46) Methyl methacrylate	7.76	41	104538	19.920	ug/l	98
47) n-amyl Acetate	10.89	43	174638	19.530	ug/l	98
48) t-1,3-Dichloropropene	9.03	75	123229	19.347	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	139630	19.456	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	90442	19.951	ug/l	99
51) Ethyl methacrylate	9.17	69	136821	19.385	ug/l	96
52) 1,3-Dichloropropane	9.36	76	153840	20.030	ug/l	97
53) Dibromochloromethane	9.57	129	90589	19.537	ug/l	98
54) 1,2-Dibromoethane	9.67	107	94817	20.168	ug/l	98
55) 2-Chloroethyl vinyl ether	8.30	63	321271	99.041	ug/l	99
56) Bromoform	10.85	173	66998	18.759	ug/l	100
58) 4-Methyl-2-Pentanone	8.63	43	683129	100.447	ug/l	99
59) 2-Hexanone	9.48	43	518923	98.660	ug/l	99
61) Tetrachloroethene	9.33	164	105238	19.715	ug/l	96
62) Toluene	8.78	91	376068	19.627	ug/l	99
64) Chlorobenzene	10.13	112	235572	19.695	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	87357	19.775	ug/l	99
66) Ethyl Benzene	10.25	91	406327	19.470	ug/l	98
67) m/p-Xylenes	10.35	106	314257	39.312	ug/l	100
68) o-Xylene	10.69	106	150539	19.339	ug/l	99
69) Styrene	10.71	104	253306	19.206	ug/l	99
70) Isopropylbenzene	11.01	105	398965	19.564	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	134461	19.574	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	118740m	20.208	ug/l	
73) Bromobenzene	11.25	156	104569	19.343	ug/l	99
74) n-propylbenzene	11.35	91	456937	19.609	ug/l	98
75) 2-Chlorotoluene	11.42	91	270538	19.371	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	332456	19.565	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	42370	18.736	ug/l	97
78) 4-Chlorotoluene	11.51	91	308459	19.448	ug/l	98
79) tert-butylbenzene	11.76	119	313044	19.688	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	331620	19.566	ug/l	98
81) sec-Butylbenzene	11.94	105	385980	19.618	ug/l	99
82) p-Isopropyltoluene	12.06	119	353542	19.683	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	183291	19.418	ug/l	100
84) 1,4-Dichlorobenzene	12.09	146	184299	19.694	ug/l	100
85) n-Butylbenzene	12.39	91	297081	18.904	ug/l	99
86) Hexachloroethane	12.59	117	58945	18.301	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	185304	19.456	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	28156	19.188	ug/l	97
89) 1,2,4-Trichlorobenzene	13.64	180	122647	19.510	ug/l	99
90) Hexachlorobutadiene	13.78	225	61711	19.646	ug/l	98
91) Naphthalene	13.83	128	372474	19.628	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	123868	19.358	ug/l	98

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0116WBSD01

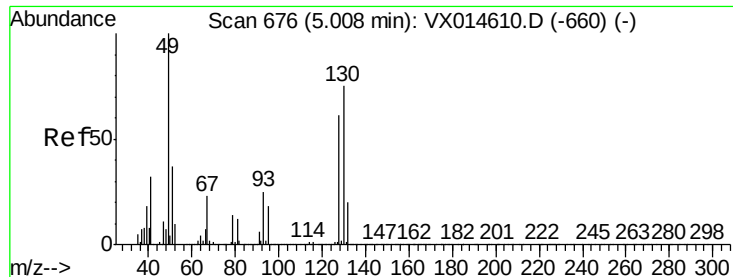
Manual Integrations
APPROVED

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1/17/2020 11:23:33 AM

Quant Time: Jan 17 06:17:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:41:12 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

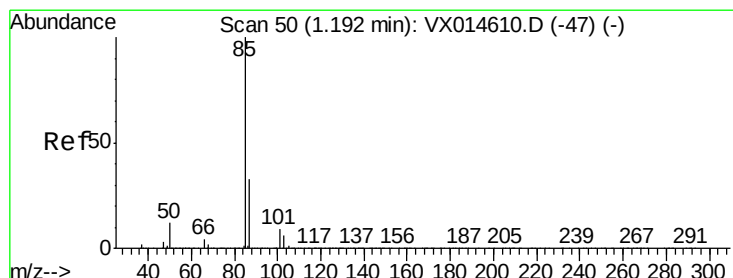
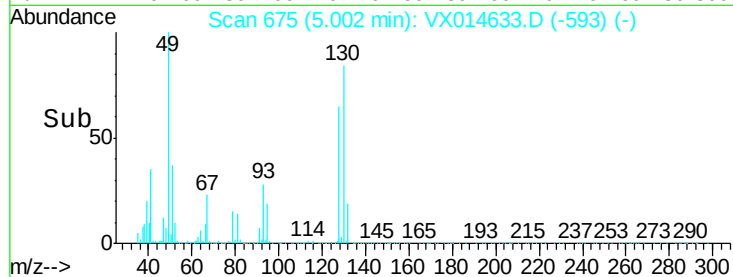
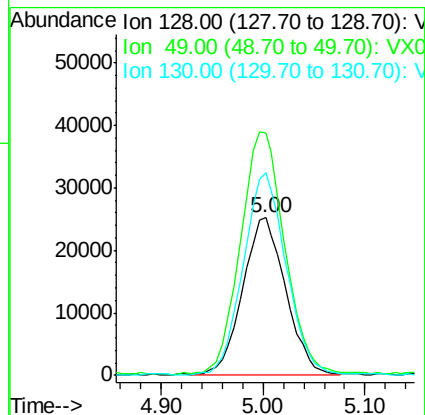
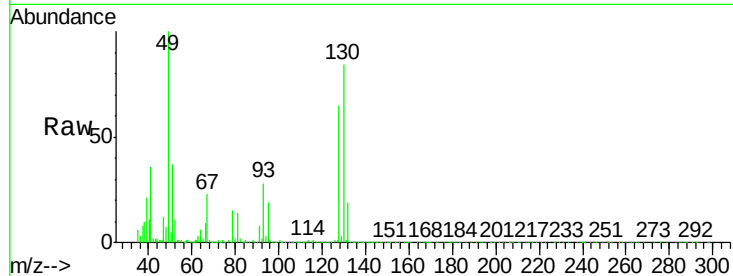
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0116WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	159.3	0.0	405.0
130	129.4	0.0	321.5

Manual Integrations
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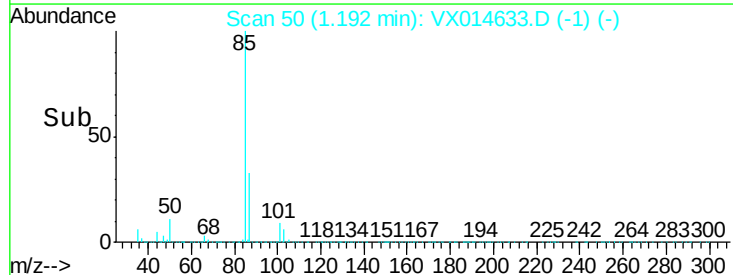
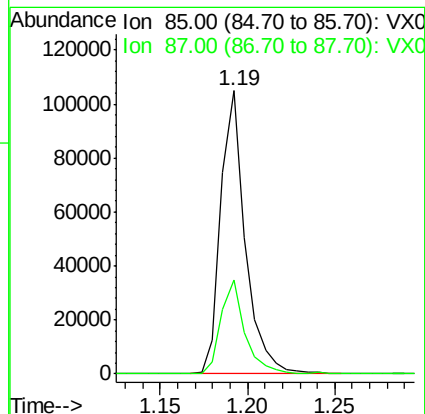
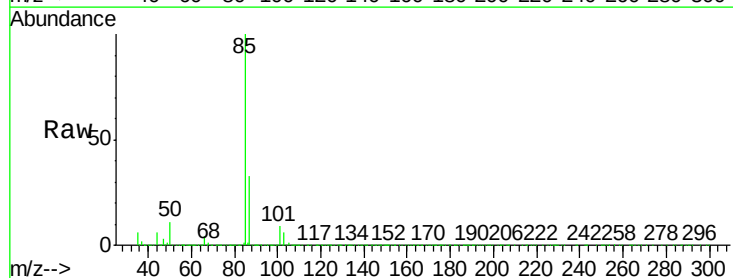
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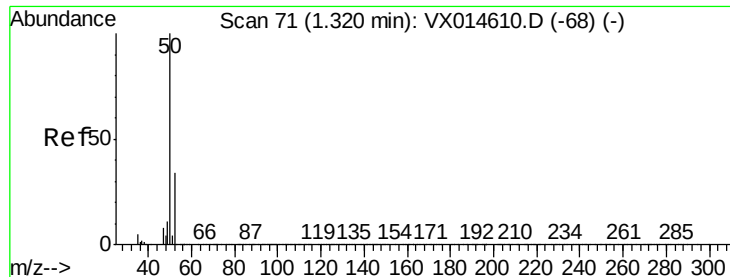


#2

Dichlorodifluoromethane
Concen: 20.192 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.3	48.9





#3

Chloromethane

Concen: 19.143 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBSD01

Tot Ion: 50 Resp: 105946

Ion Ratio Lower Upper

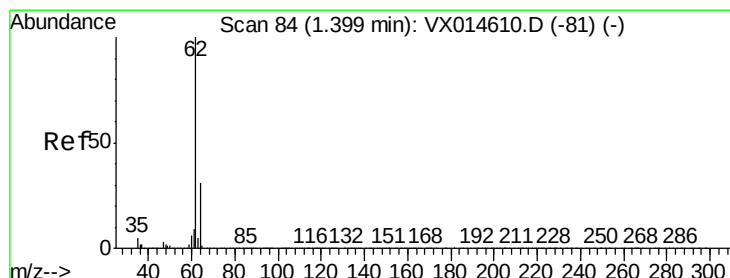
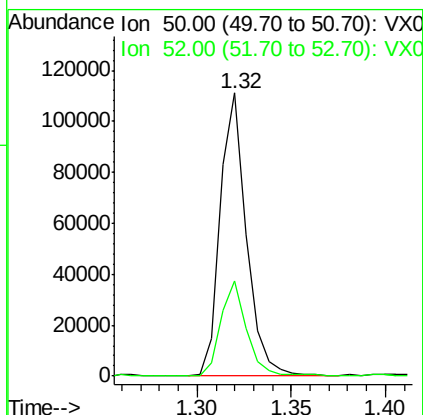
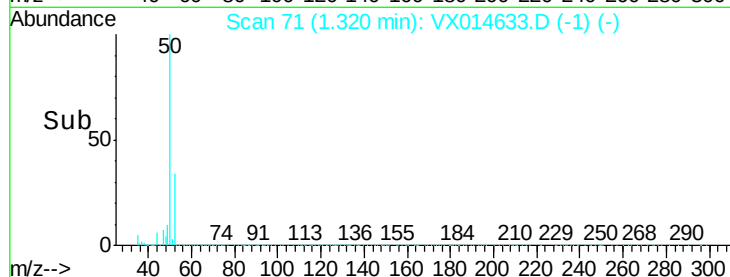
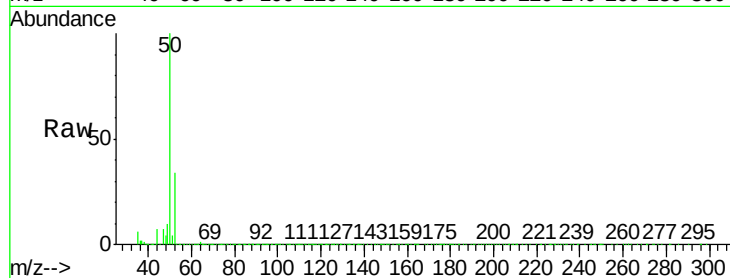
50 100

52 33.6 24.3 36.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.280 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014633.D

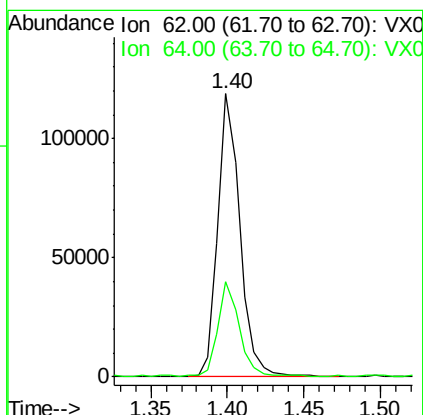
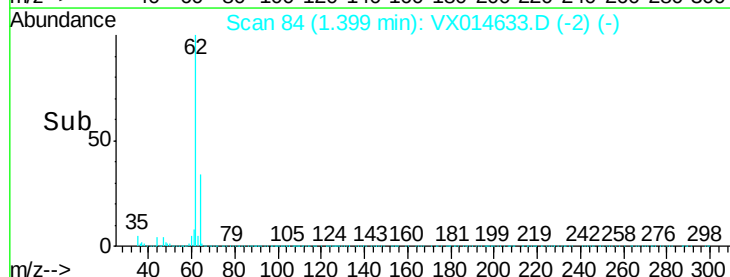
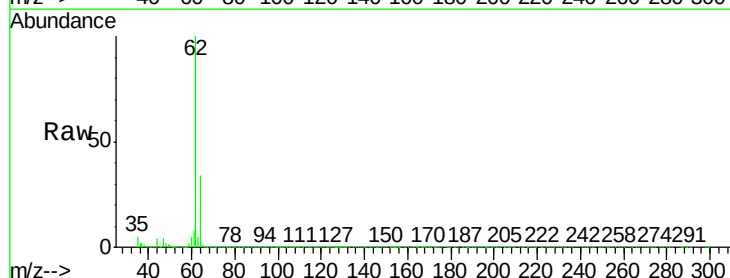
Acq: 16 Jan 2020 13:14

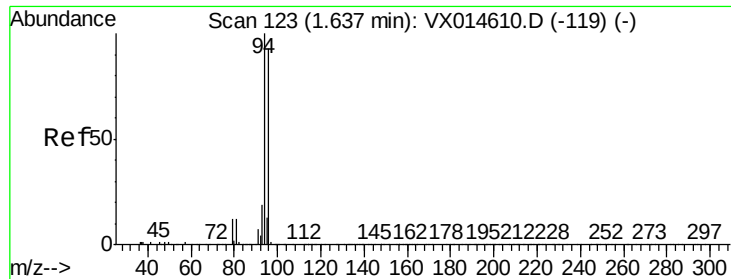
Tgt Ion: 62 Resp: 119812

Ion Ratio Lower Upper

62 100

64 33.2 25.2 37.8





#5

Bromomethane

Concen: 18.012 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBSD01

Tot Ion: 94 Resp: 69849

Ion Ratio Lower Upper

94 100

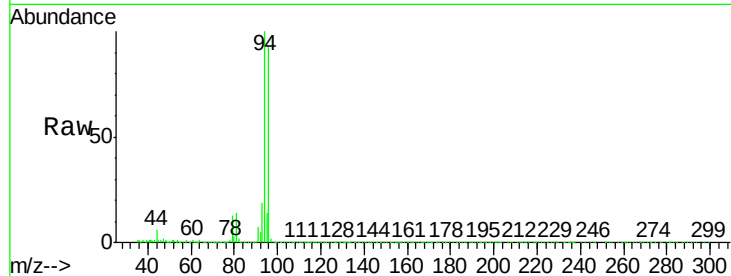
96 92.4 74.4 111.6

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

60000

50000

40000

30000

20000

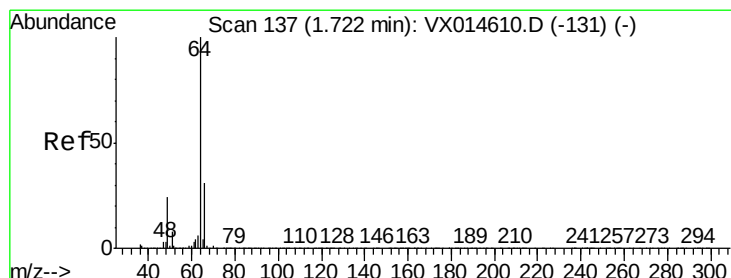
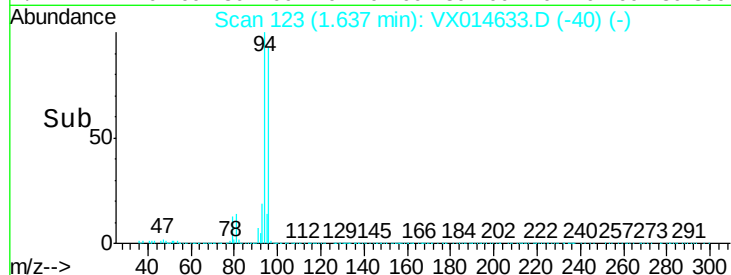
10000

0

1.60

1.65

Time-->



#6

Chloroethane

Concen: 19.350 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX014633.D

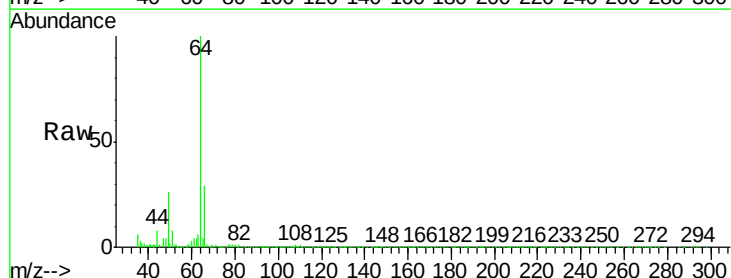
Acq: 16 Jan 2020 13:14

Tgt Ion: 64 Resp: 67789

Ion Ratio Lower Upper

64 100

66 29.1 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

50000

40000

30000

20000

10000

0

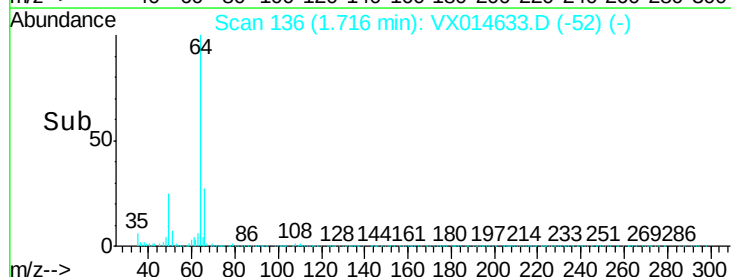
1.65

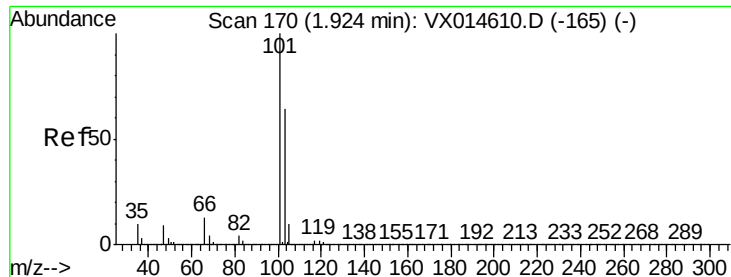
1.70

1.75

1.80

Time-->





#7

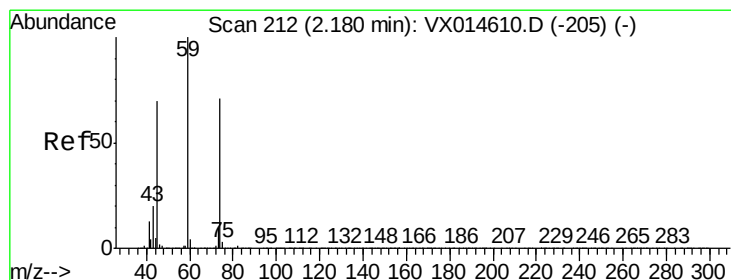
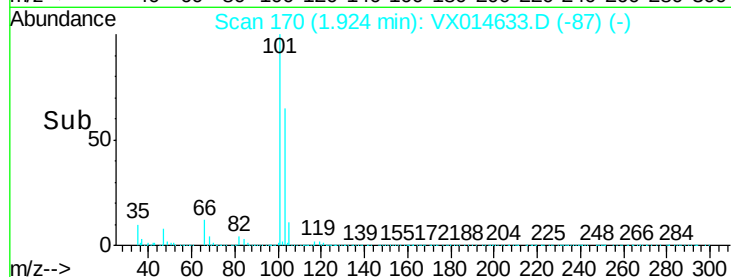
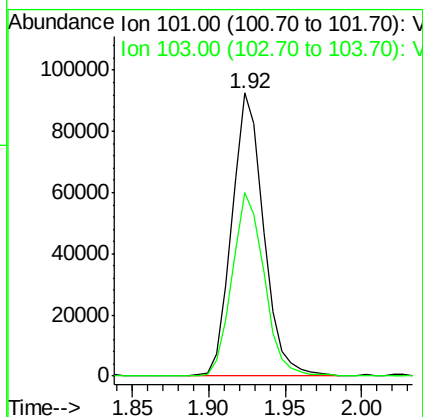
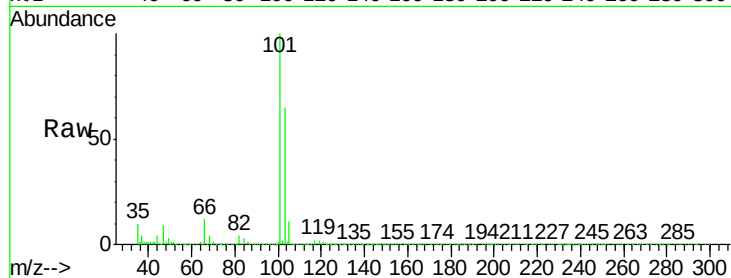
Trichlorofluoromethane
Concen: 19.401 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0116WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.6	77.4

Manual Integrations
APPROVED

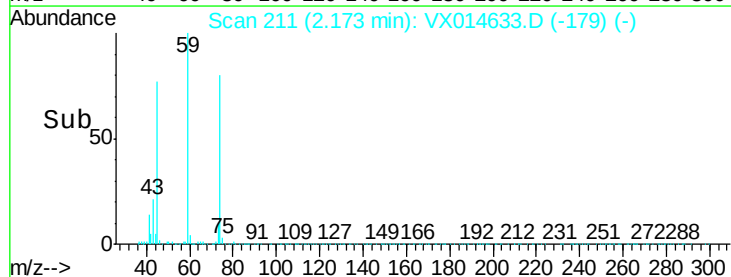
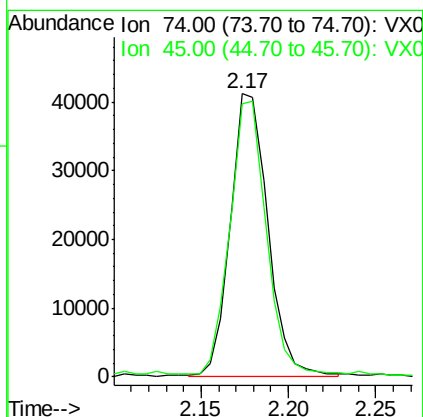
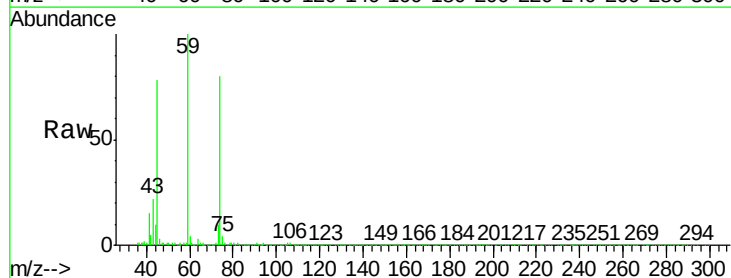
MMDadoda
1/17/2020 11:23:33 AM

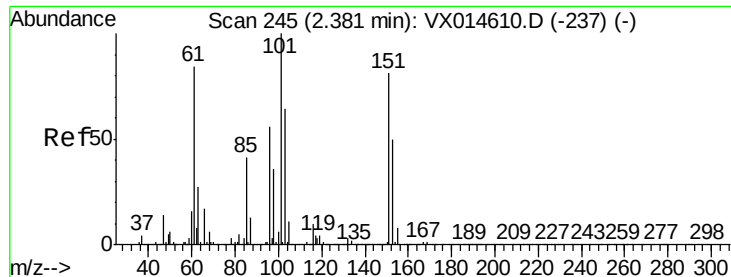


#8

Diethyl Ether
Concen: 20.289 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	20.6	185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.090 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

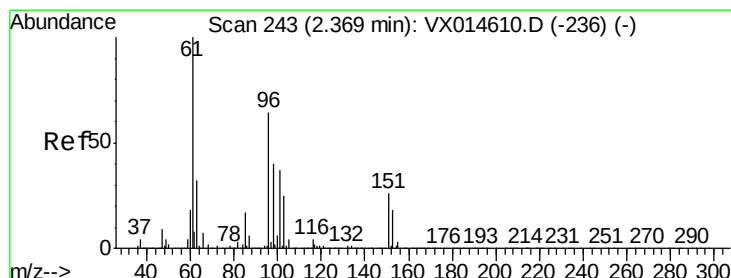
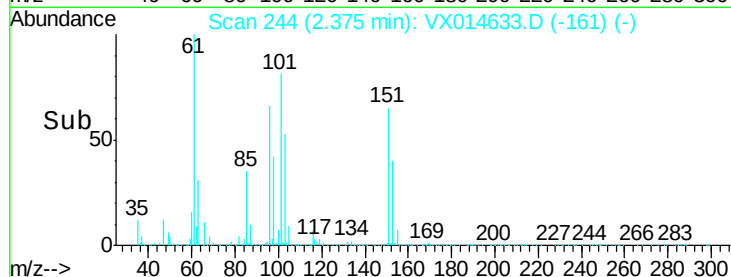
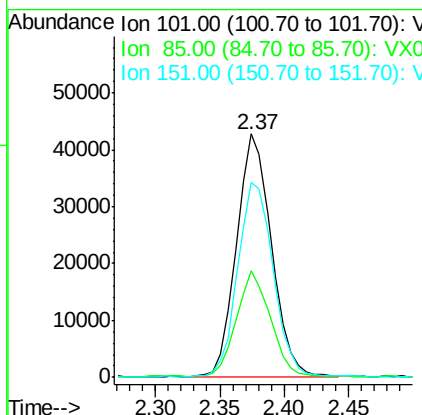
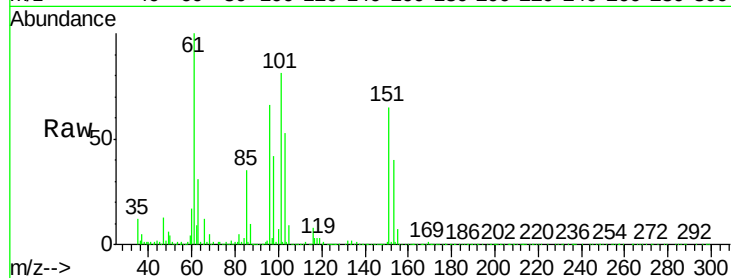
ClientSampleId :

VX0116WBSD01

Tot Ion:	101	Resp:	80878
Ion Ratio	Lower	Upper	
101	100		
85	42.1	0.0	85.6
151	81.3	0.0	159.4

Manual Integrations
APPROVED

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1/17/2020 11:23:33 AM



#10

1,1-Dichloroethene

Concen: 19.156 ug/l

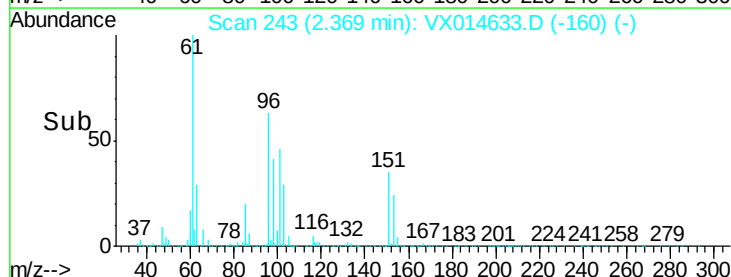
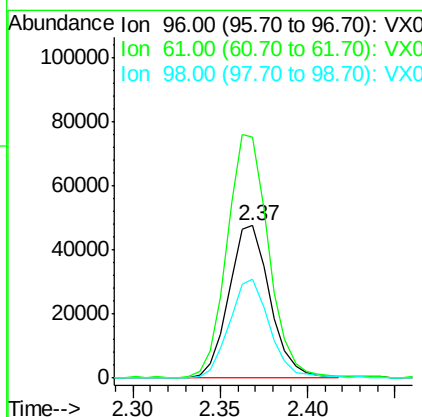
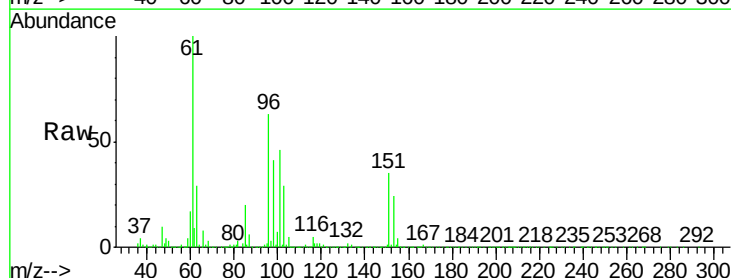
RT: 2.37 min Scan# 243

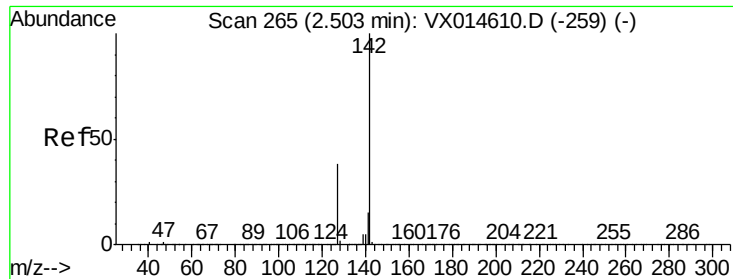
Delta R.T. 0.01 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Tgt Ion:	96	Resp:	77568
Ion Ratio	Lower	Upper	
96	100		
61	157.9	123.0	184.6
98	64.5	51.4	77.0





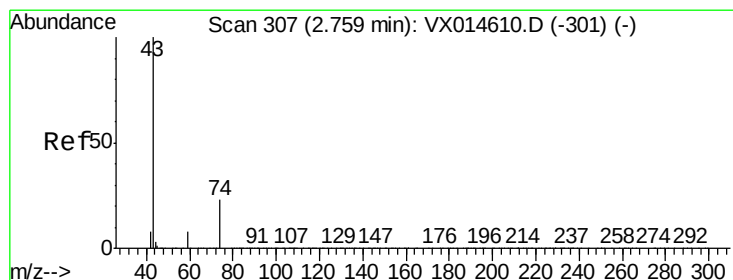
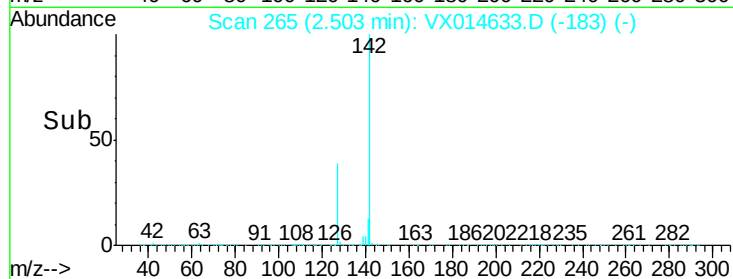
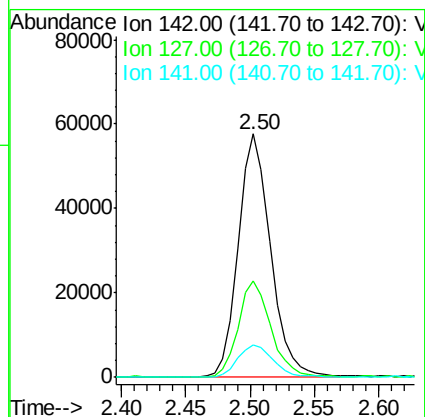
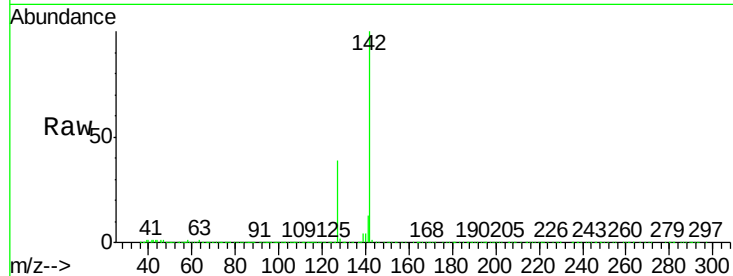
#11
Methvl Iodide
Concen: 18.453 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0116WBSD01

Tot Ion:	142	Resp:	100211
Ion Ratio	Lower	Upper	
142	100		
127	39.3	19.5	58.5
141	13.2	7.0	20.9

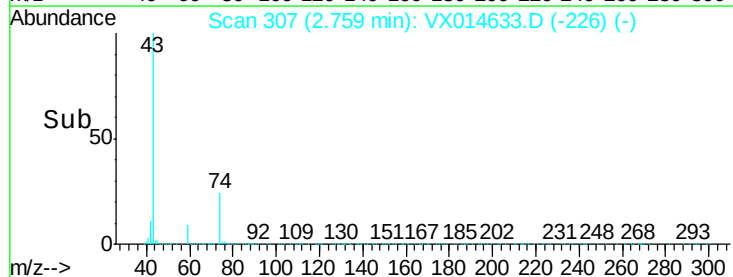
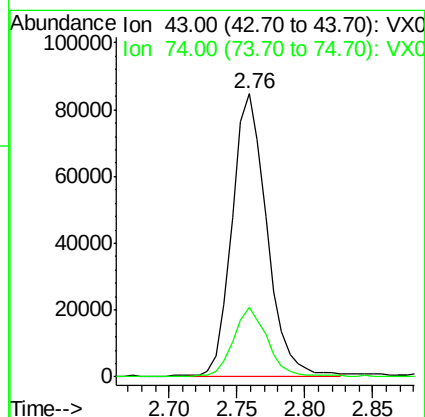
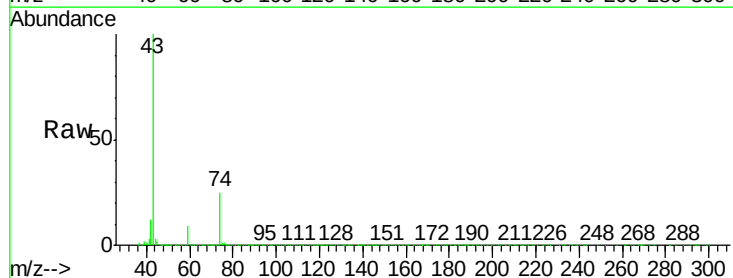
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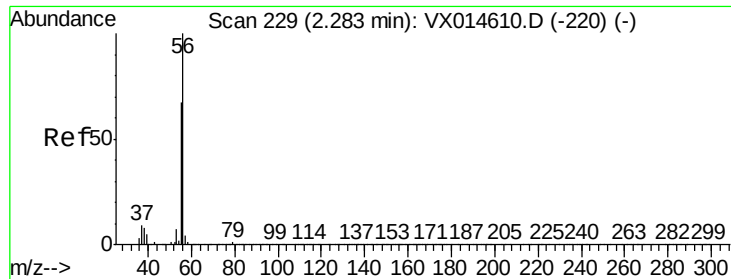
MMDadoda
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#12
Methyl Acetate
Concen: 20.555 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Tgt Ion:	43	Resp:	150358
Ion Ratio	Lower	Upper	
43	100		
74	24.4	18.5	27.7





#13

Acrolein

Concen: 89.182 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBSD01

Tot Ion: 56 Resp: 68522

Ion Ratio Lower Upper

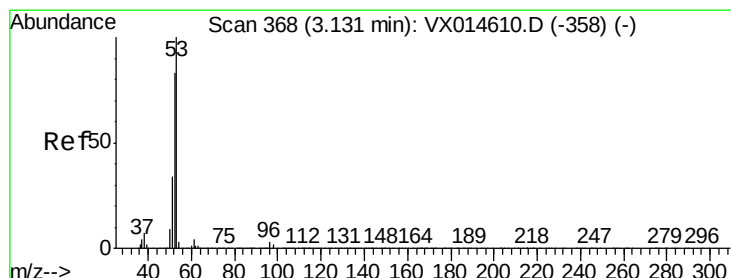
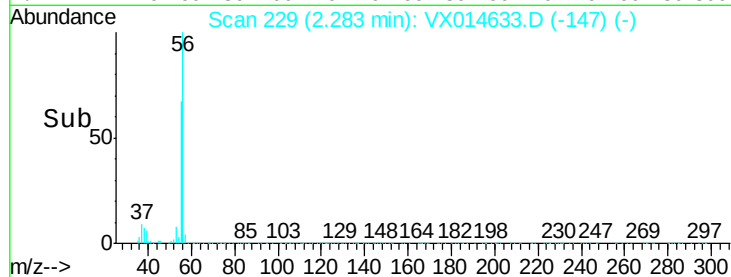
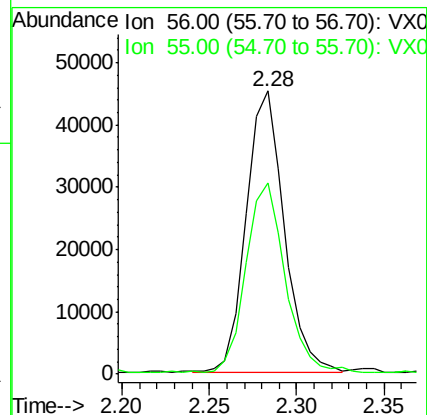
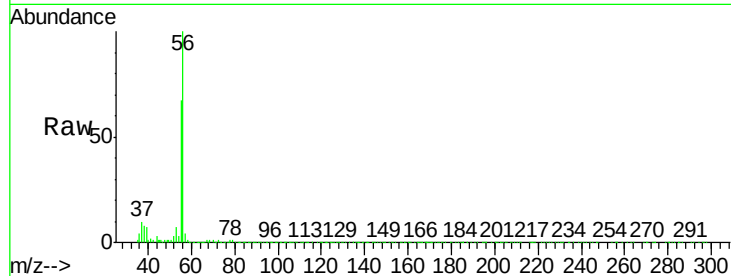
56 100

55 67.7 54.9 82.3

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#14

Acrylonitrile

Concen: 98.791 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

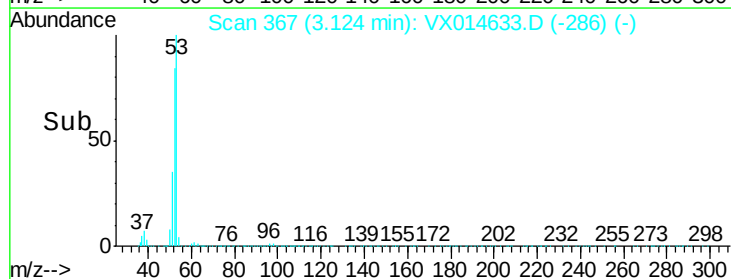
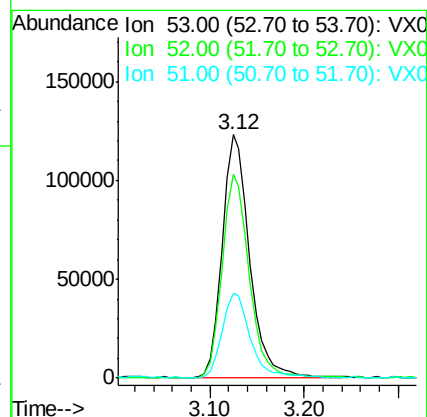
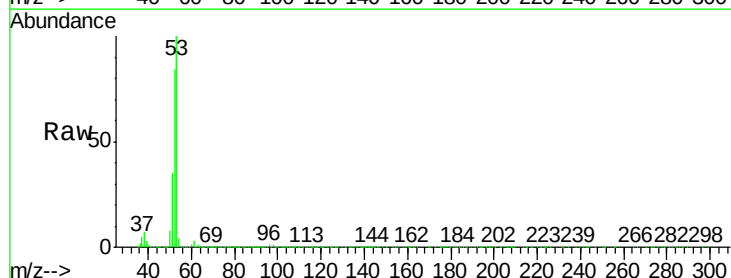
Tgt Ion: 53 Resp: 247269

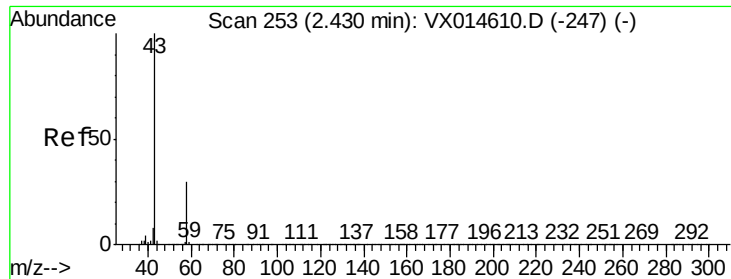
Ion Ratio Lower Upper

53 100

52 83.2 41.5 124.6

51 35.7 17.8 53.5





#15

Acetone

Concen: 88.208 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBSD01

Tot Ion: 58 Resp: 74016

Ion Ratio Lower Upper

58 100

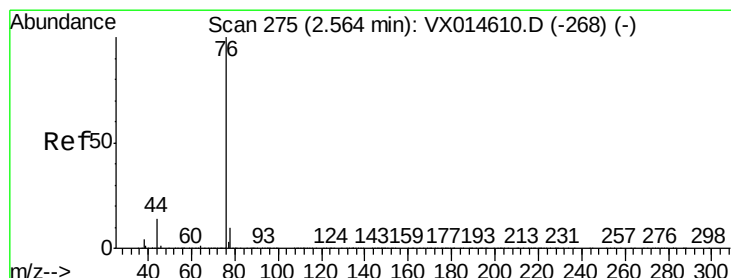
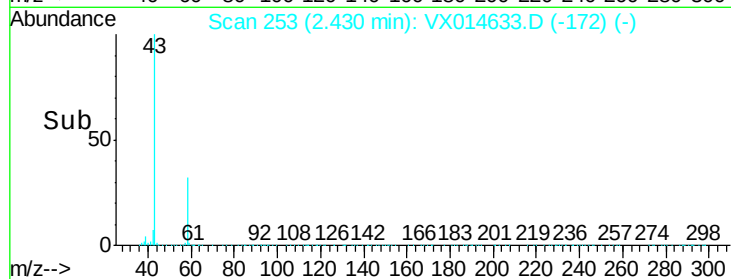
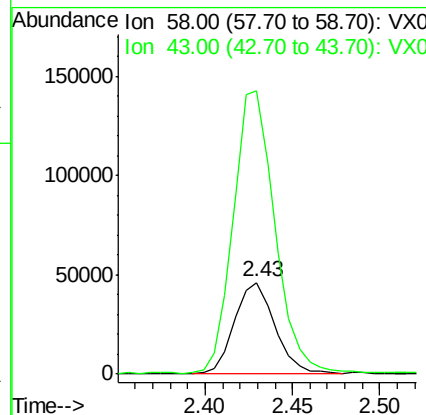
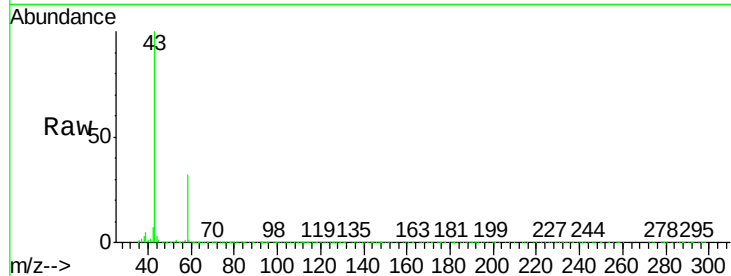
43 309.0 236.3 354.5

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#16

Carbon Disulfide

Concen: 18.536 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014633.D

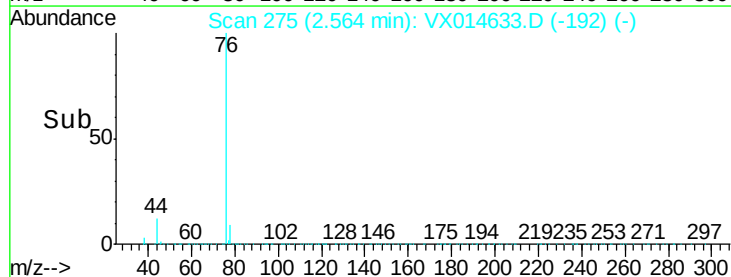
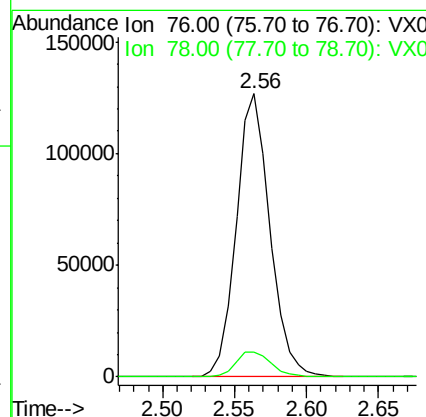
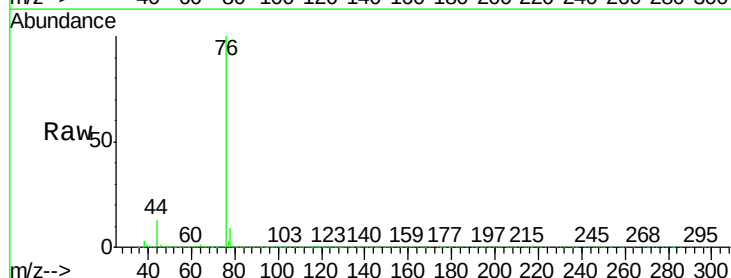
Acq: 16 Jan 2020 13:14

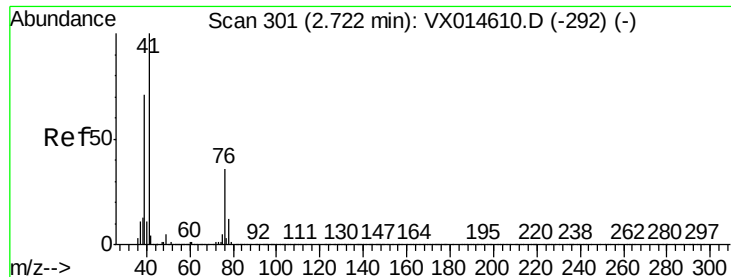
Tgt Ion: 76 Resp: 206135

Ion Ratio Lower Upper

76 100

78 8.9 7.8 11.8





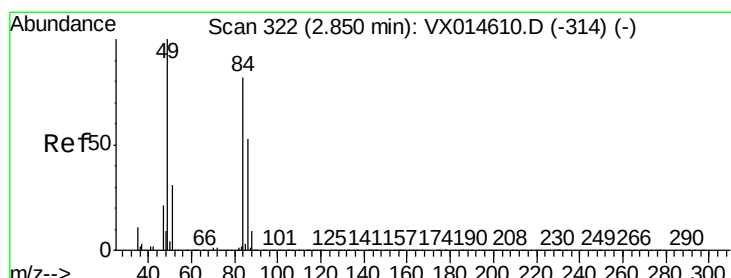
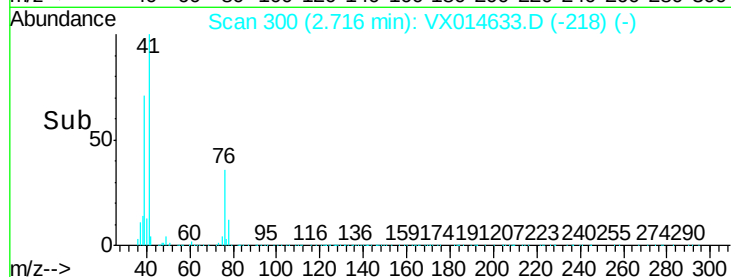
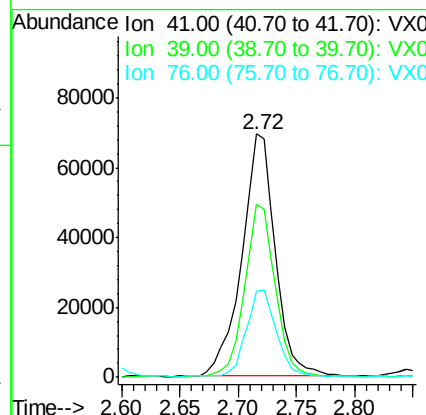
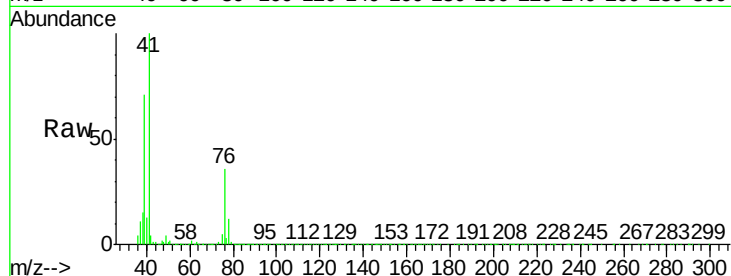
#17
Allvl chloride
Concen: 18.566 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0116WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.9	33.4	100.2
76	35.4	17.0	50.9

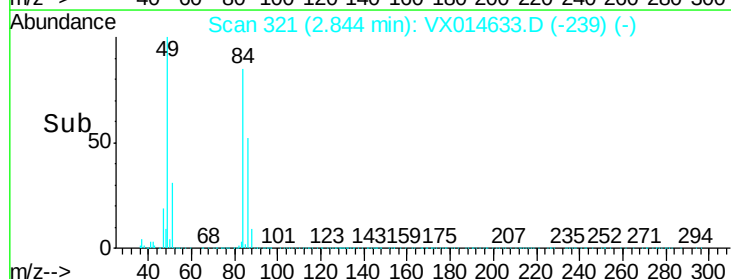
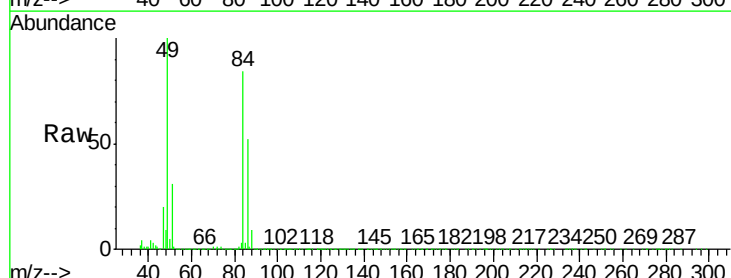
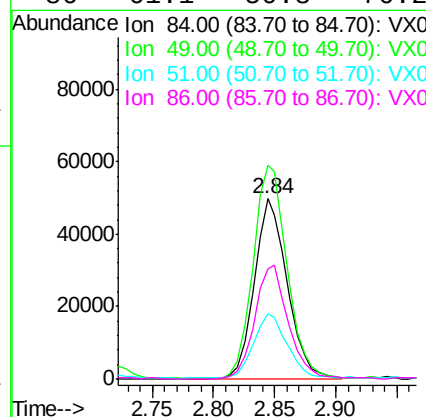
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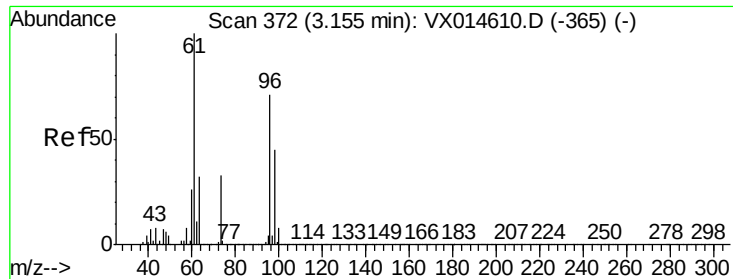
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#18
Methylene Chloride
Concen: 19.679 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.2	102.2	153.2
51	36.2	31.4	47.0
86	61.1	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 19.462 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

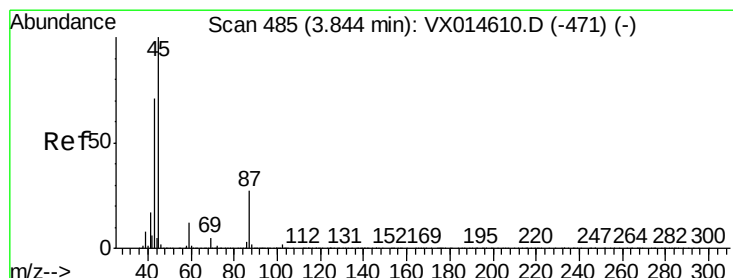
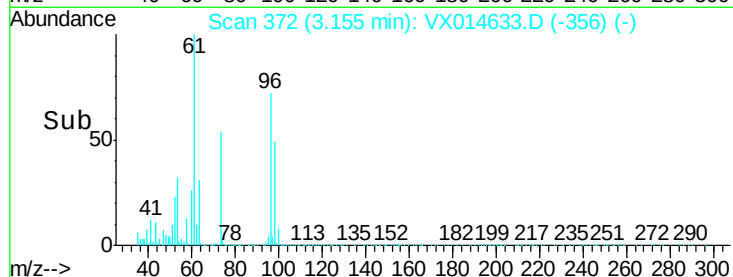
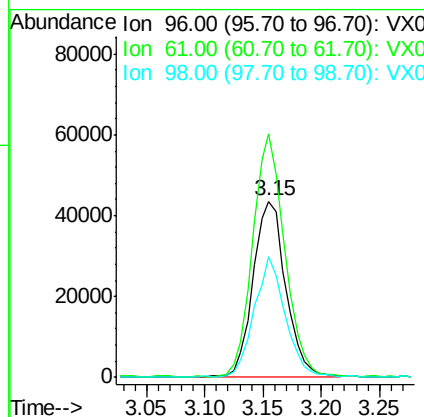
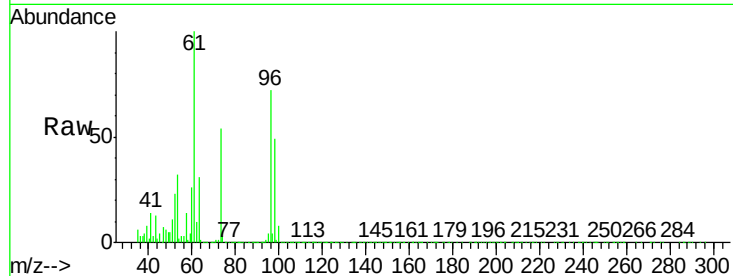
ClientSampleId :

VX0116WBSD01

Tot Ion:	96	Resp:	84836
Ion	Ratio	Lower	Upper
96	100		
61	138.4	106.6	159.8
98	68.1	51.6	77.4

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#20

Diisopropyl ether

Concen: 19.825 ug/l

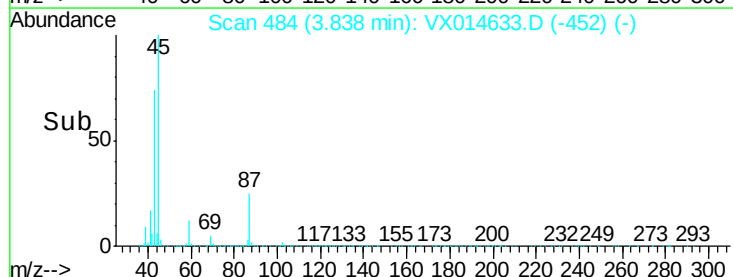
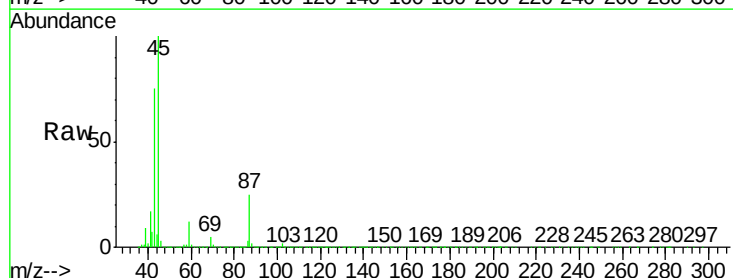
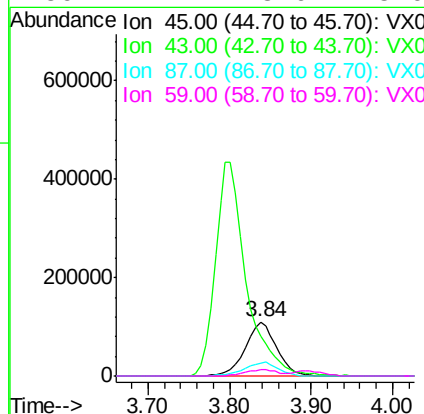
RT: 3.84 min Scan# 484

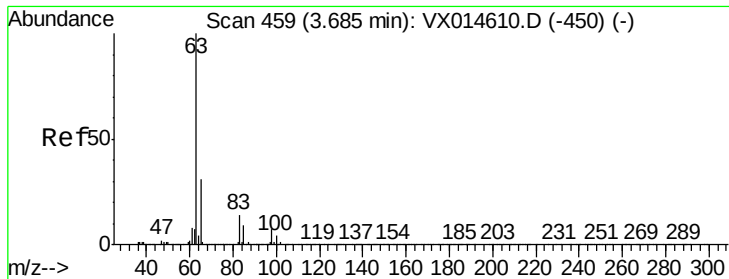
Delta R.T. -0.01 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Tgt Ion:	45	Resp:	293939
Ion	Ratio	Lower	Upper
45	100		
43	73.4	55.9	83.9
87	24.6	22.2	33.2
59	11.4	8.6	13.0





#21

1,1-Dichloroethane

Concen: 18.931 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

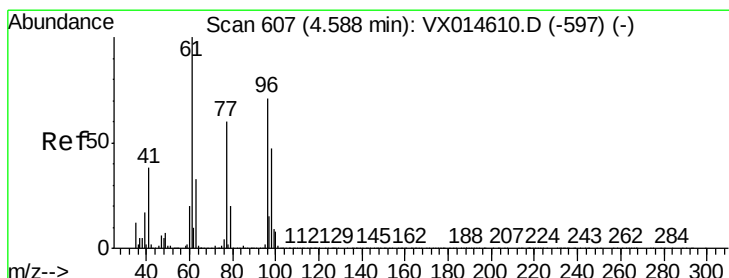
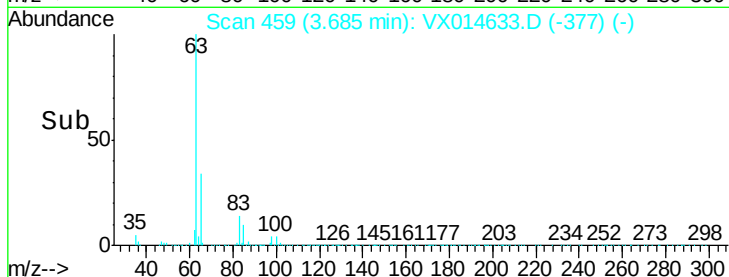
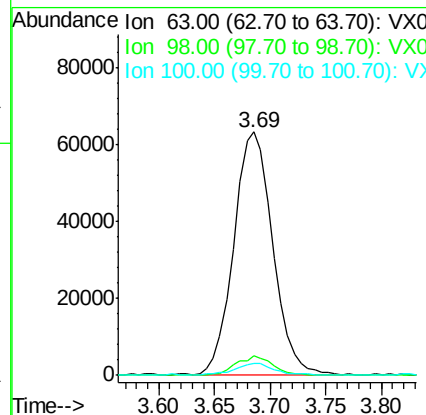
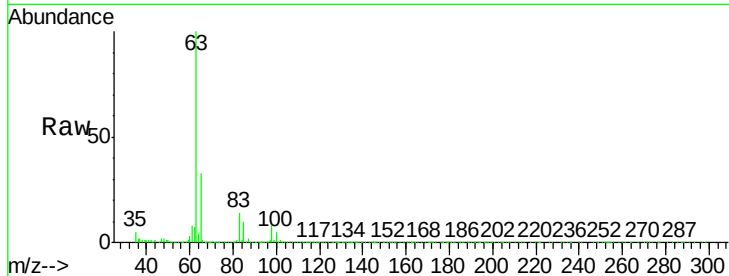
ClientSampleId :

VX0116WBSD01

Tot Ion:	63	Resp:	152489
Ion Ratio	Lower	Upper	
63	100		
98	8.0	3.4	10.1
100	4.8	2.5	7.4

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#22

cis-1,2-Dichloroethene

Concen: 19.547 ug/l

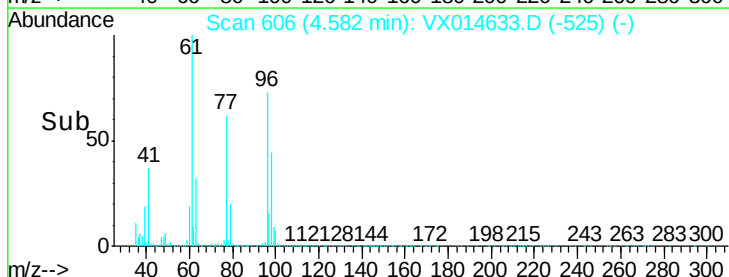
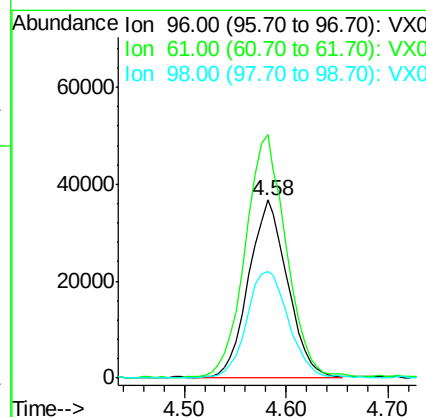
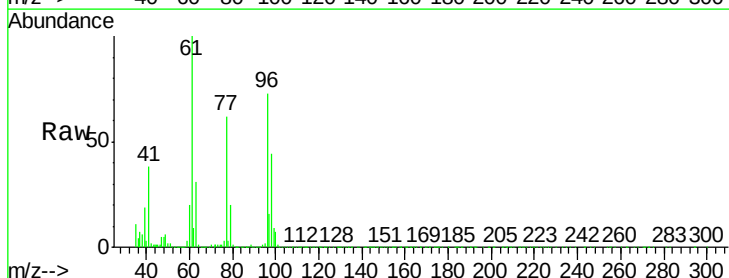
RT: 4.58 min Scan# 606

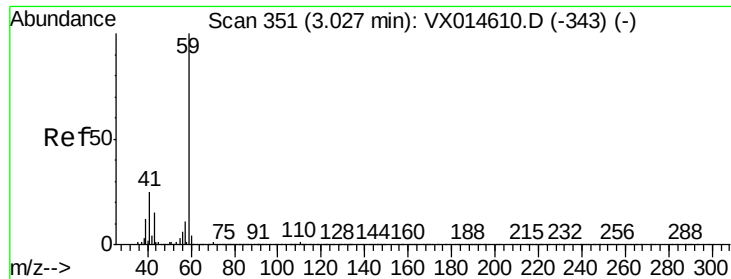
Delta R.T. -0.01 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Tgt Ion:	96	Resp:	97915
Ion Ratio	Lower	Upper	
96	100		
61	144.0	112.4	168.6
98	63.6	50.3	75.5





#23

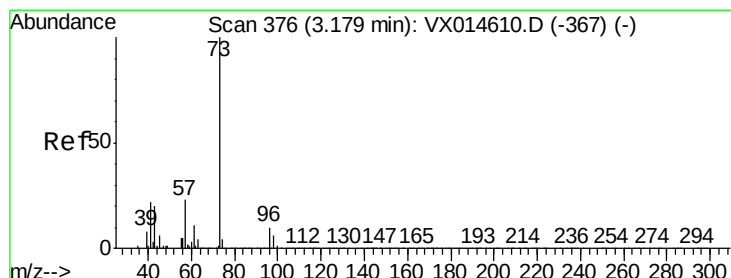
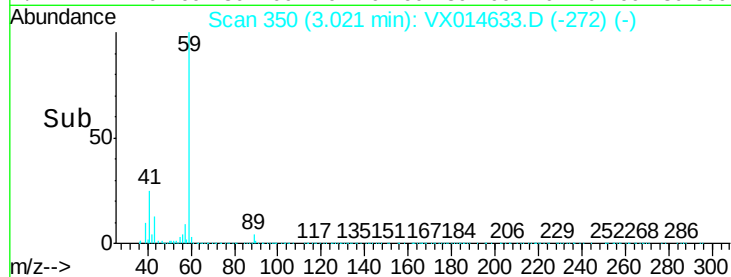
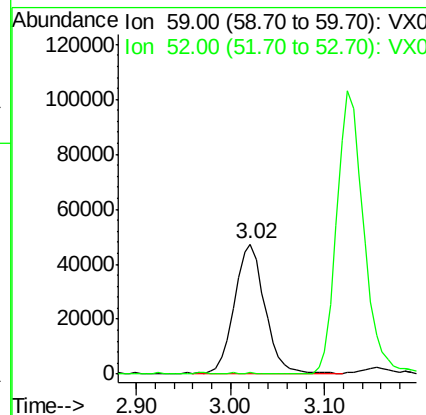
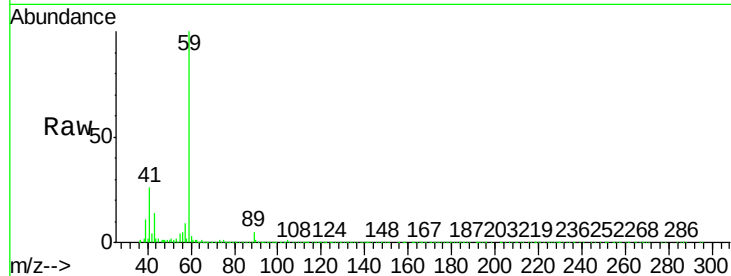
tert-Butyl Alcohol
 Concen: 102.456 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX014633.D
 Acq: 16 Jan 2020 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.2	0.2#

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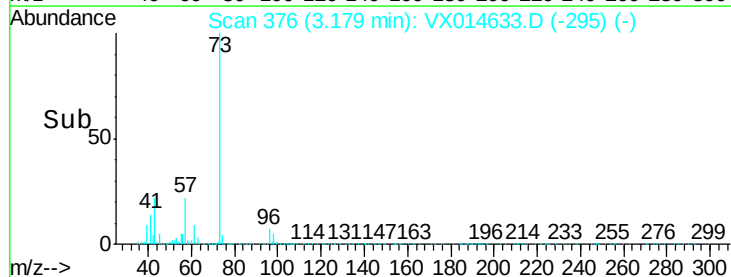
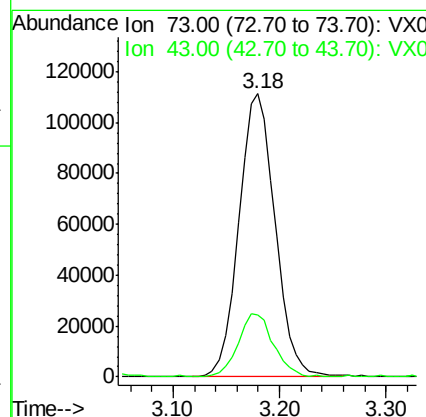
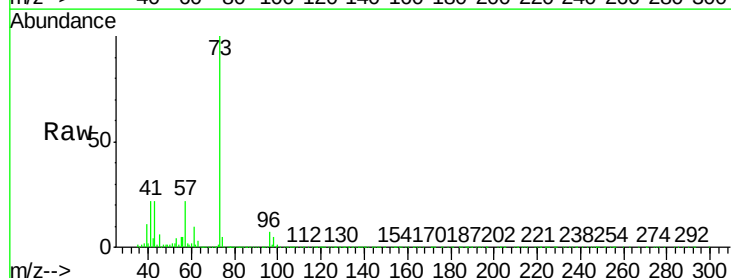
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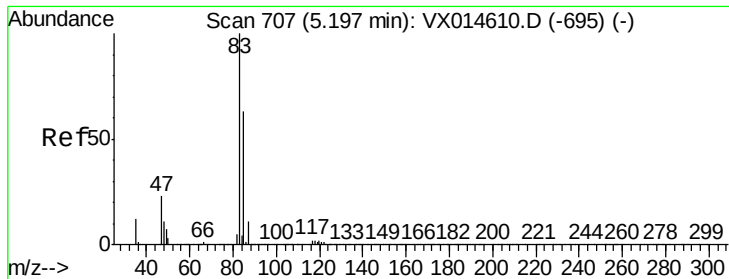


#24

Methyl tert-Butyl Ether
 Concen: 19.578 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX014633.D
 Acq: 16 Jan 2020 13:14

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.5	16.6	25.0





#25

Chloroform

Concen: 19.445 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBSD01

Tot Ion: 83 Resp: 151720

Ion Ratio Lower Upper

83 100

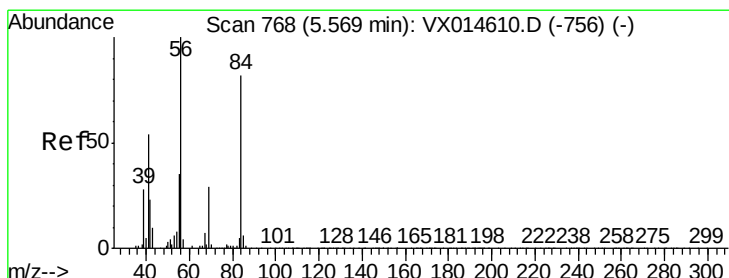
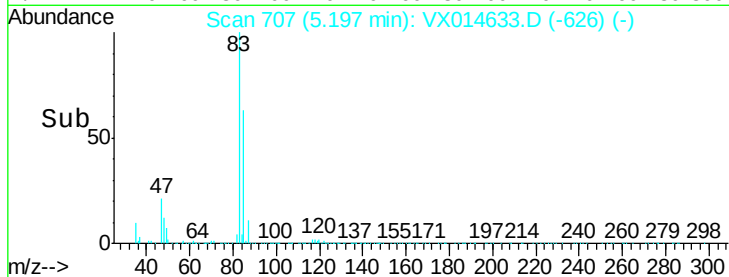
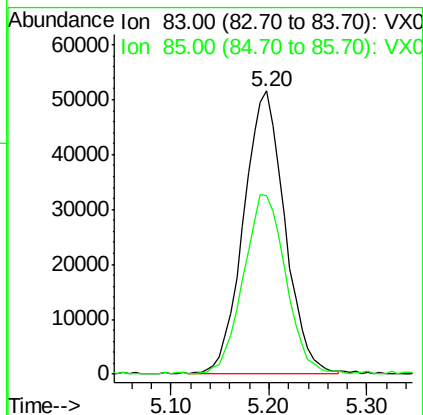
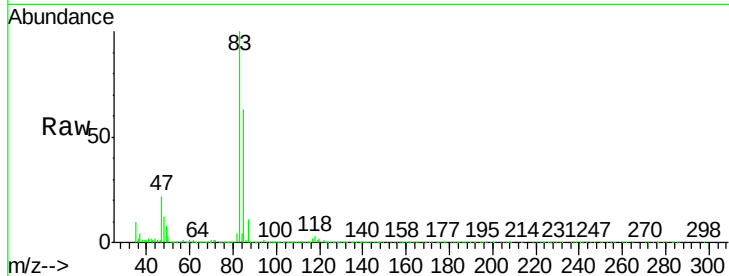
85 62.9 52.7 79.1

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#26

Cyclohexane

Concen: 19.152 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

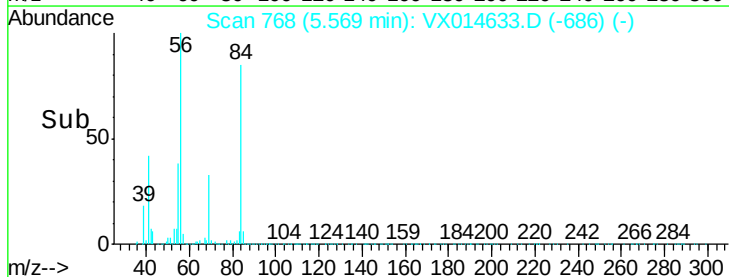
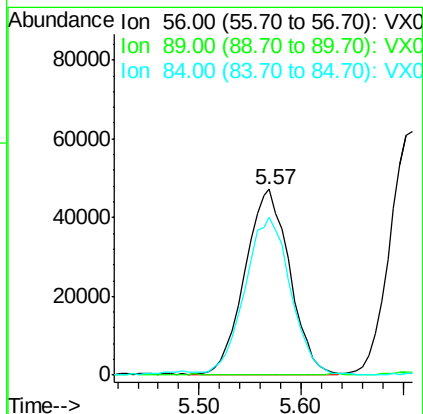
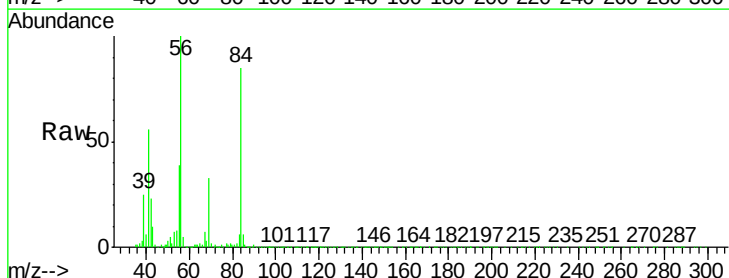
Tgt Ion: 56 Resp: 142296

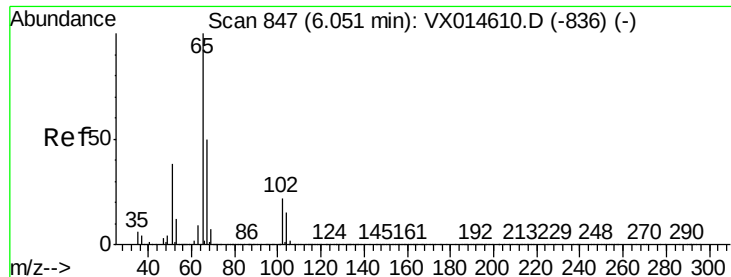
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1

84 86.9 70.8 106.2





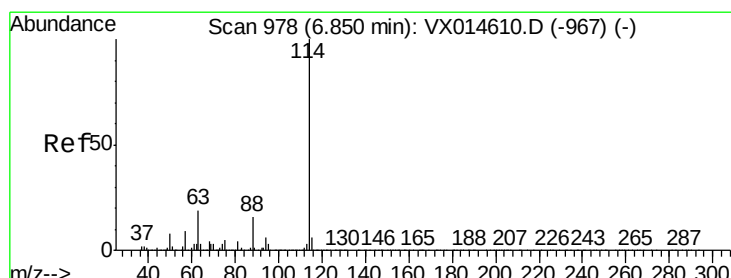
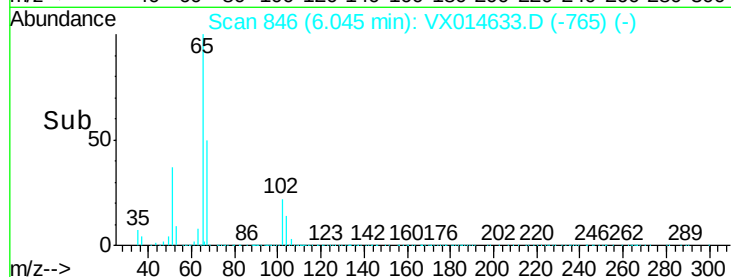
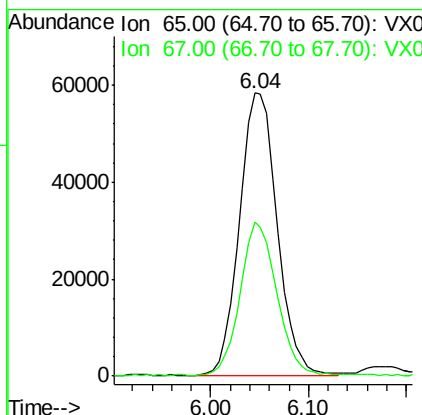
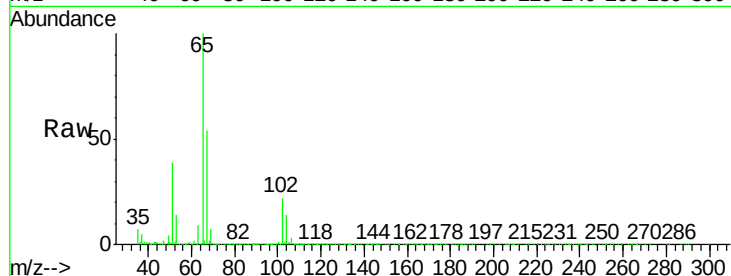
#27
 1,2-Dichloroethane-d4
 Concen: 30.259 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX014633.D
 Acq: 16 Jan 2020 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	43.1	64.7

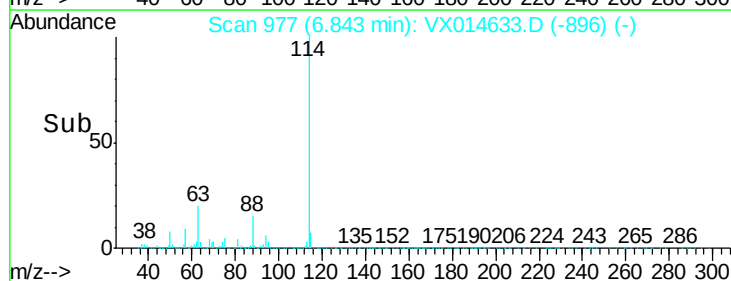
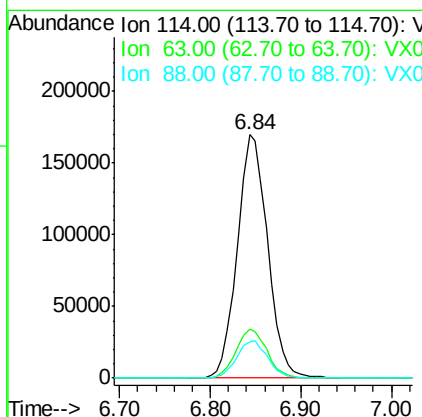
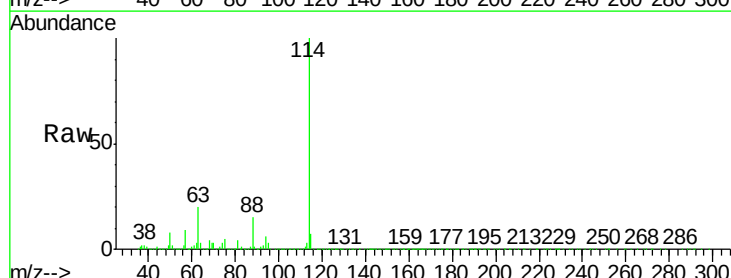
Manual Integrations
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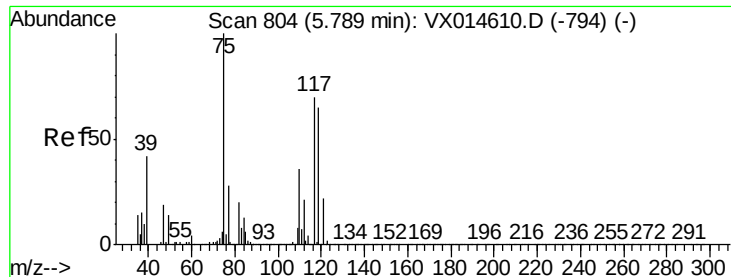
MMDadoda
 1/17/2020 11:23:33 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX014633.D
 Acq: 16 Jan 2020 13:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	16.1	24.1
88	15.4	12.5	18.7





#29

1,1-Dichloropropene

Concen: 19.703 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

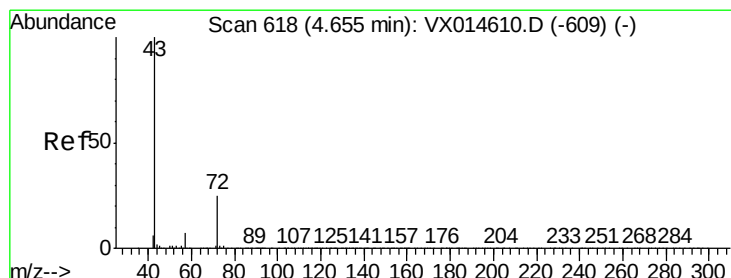
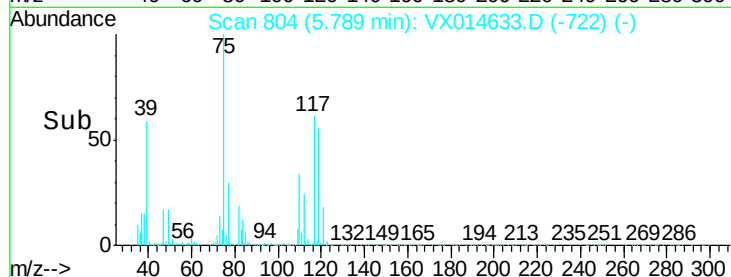
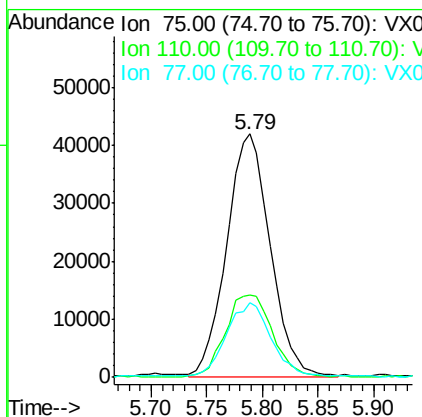
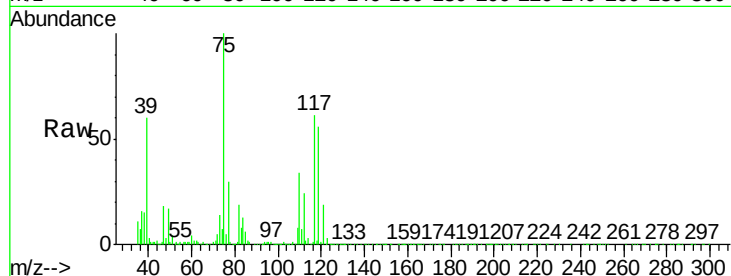
ClientSampleId :

VX0116WBSD01

Tot Ion:	75	Resp:	113665
Ion Ratio	Lower	Upper	
75	100		
110	36.3	0.0	73.8
77	30.8	0.0	62.4

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#30

2-Butanone

Concen: 95.584 ug/l

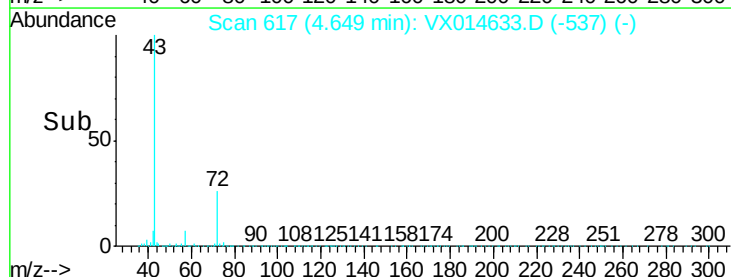
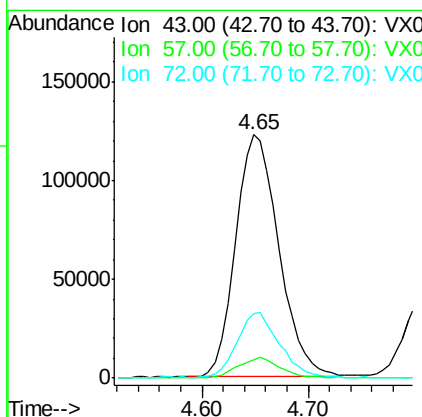
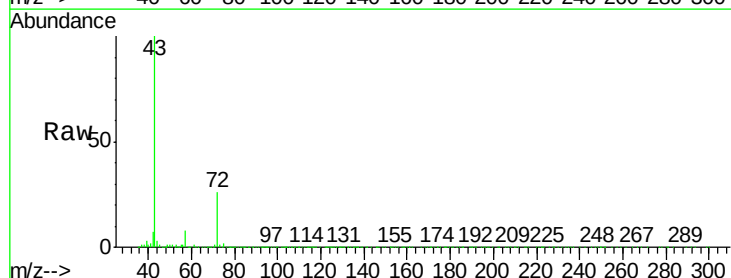
RT: 4.65 min Scan# 617

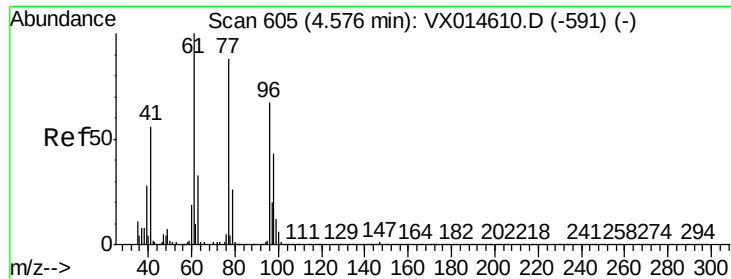
Delta R.T. -0.01 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Tgt Ion:	43	Resp:	349295
Ion Ratio	Lower	Upper	
43	100		
57	7.9	6.2	9.2
72	26.1	20.3	30.5





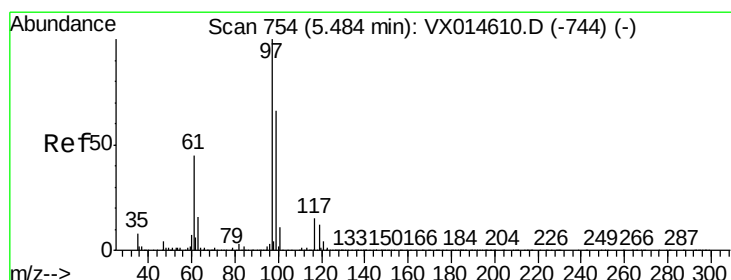
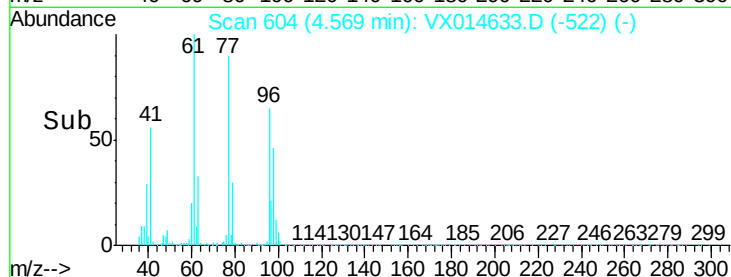
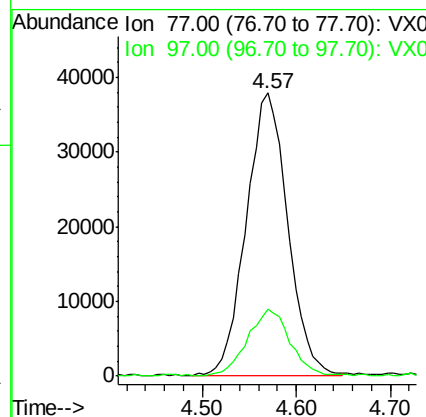
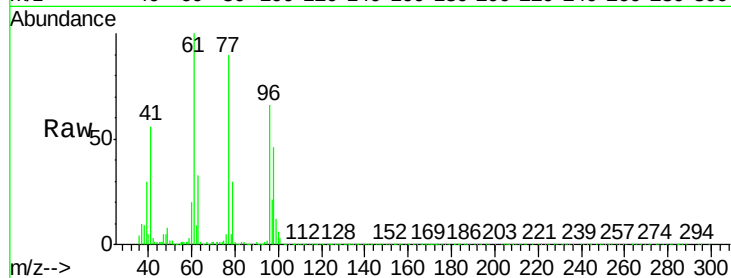
#31
 2,2-Dichloropropane
 Concen: 18.820 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VX014633.D
 Acq: 16 Jan 2020 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBSD01

Tot Ion: 77 Resp: 116169
 Ion Ratio Lower Upper
 77 100
 97 24.1 19.7 29.5

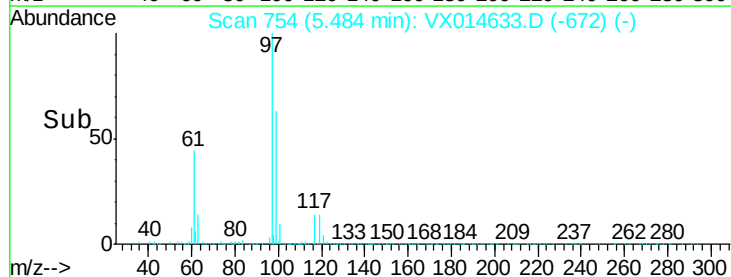
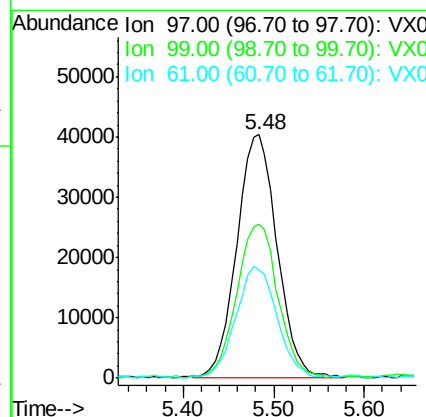
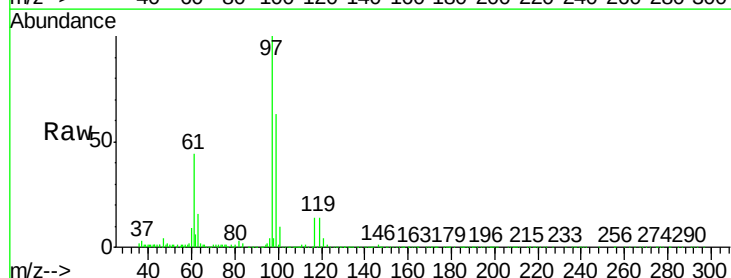
Manual Integrations
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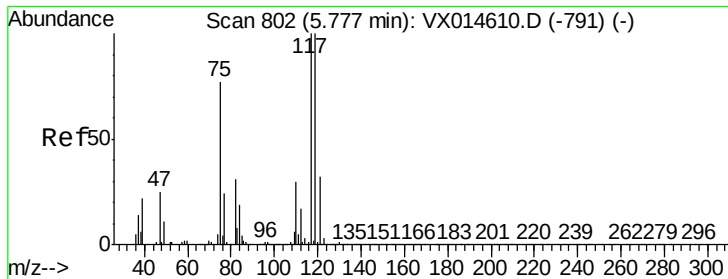
MMDadoda
 1/17/2020 11:23:33 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.436 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX014633.D
 Acq: 16 Jan 2020 13:14

Tgt Ion: 97 Resp: 124045
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.9 77.9
 61 46.0 36.8 55.2





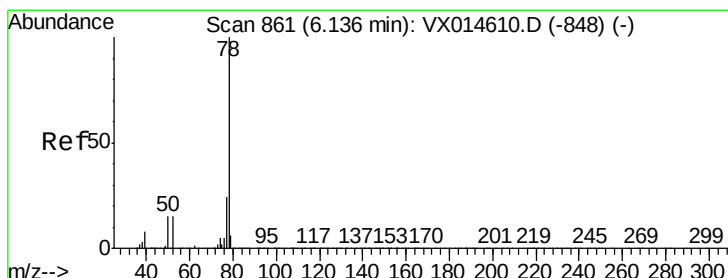
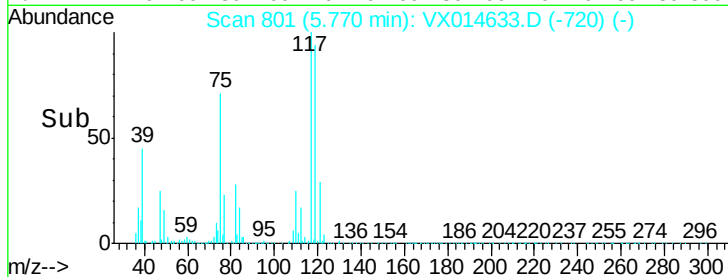
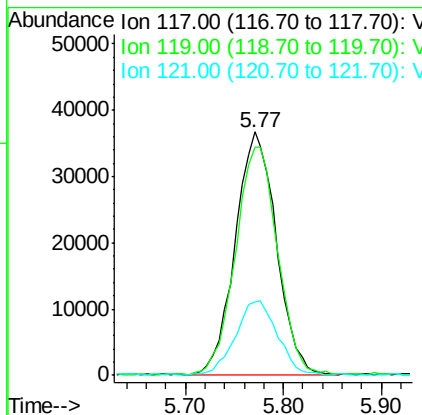
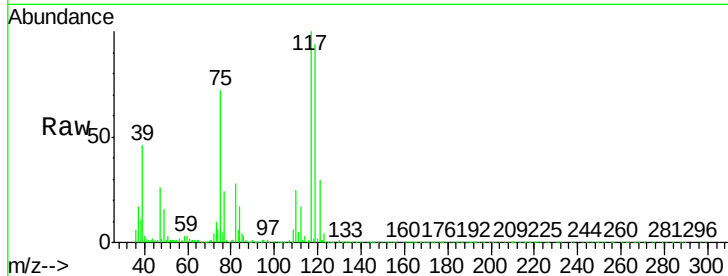
#33
Carbon Tetrachloride
Concen: 19.556 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0116WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.5	77.2	115.8
121	29.8	24.8	37.2

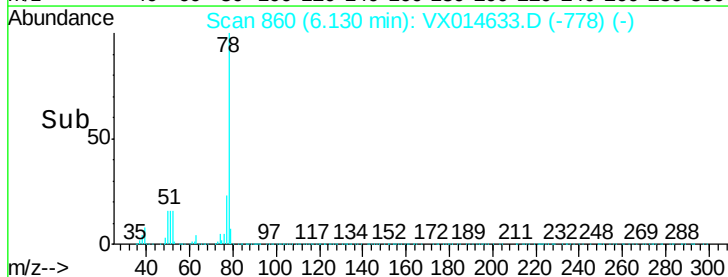
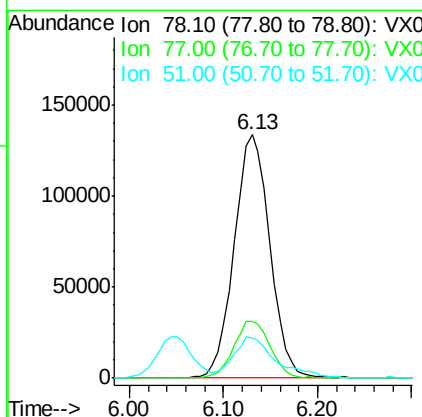
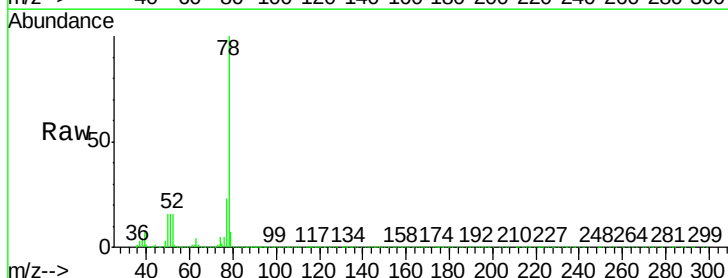
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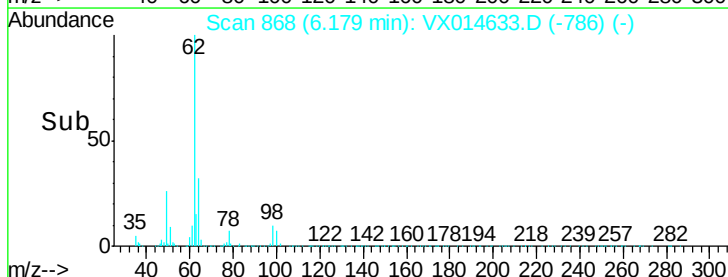
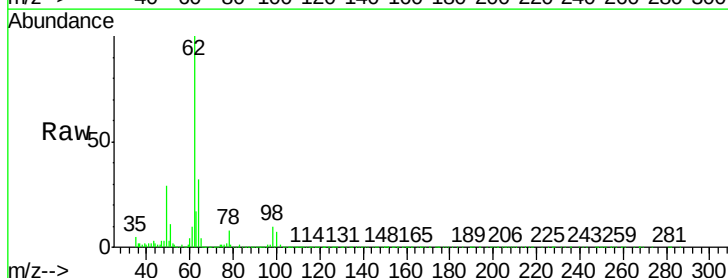
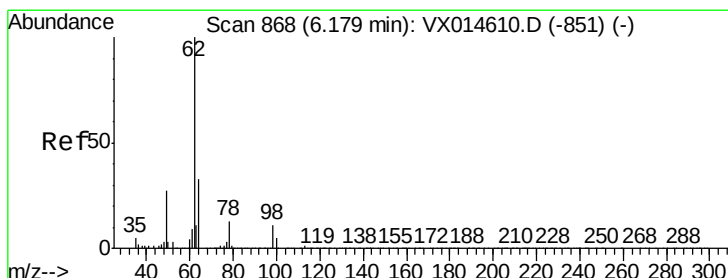
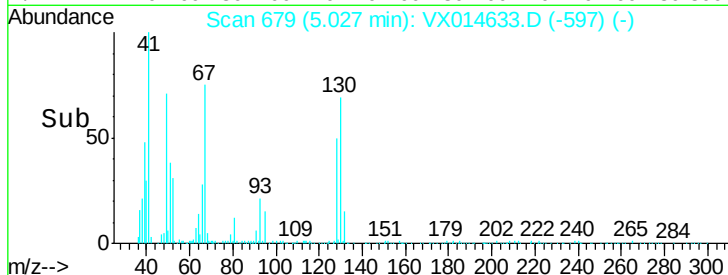
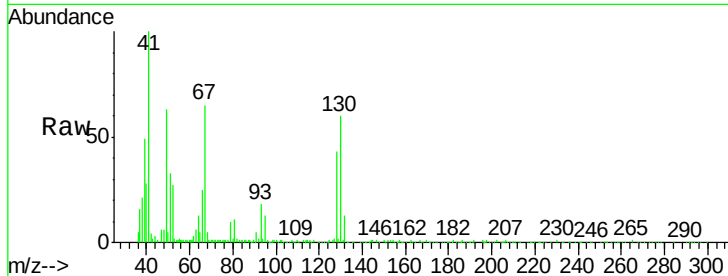
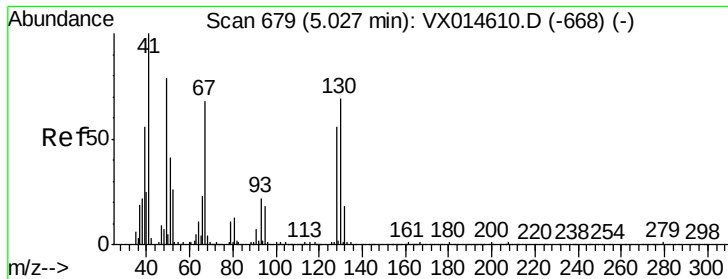
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#34
Benzene
Concen: 19.760 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

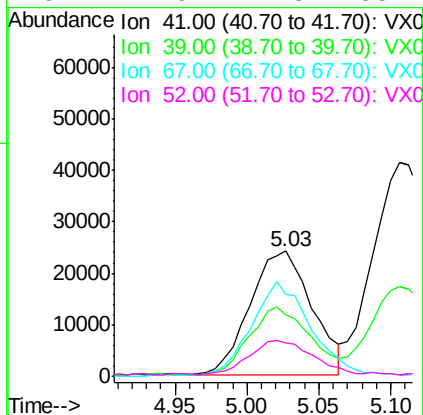
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.2
51	15.9	12.4	18.6





#35
Methacrylonitrile
Concen: 19.674 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	46.6	26.7	80.1	
67	64.8	31.5	94.5	
52	24.9	12.8	38.4	



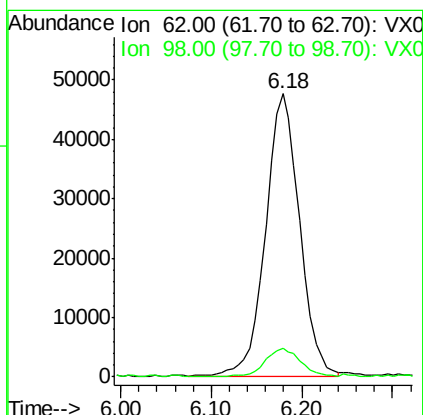
Instrument :
MSVOA_X
ClientSampleId :
VX0116WBSD01

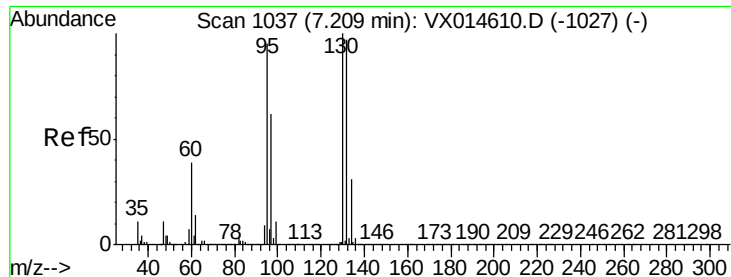
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#36
1,2-Dichloroethane
Concen: 19.781 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	8.4	12.6	





#37

Trichloroethene

Concen: 19.916 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBSD01

Tot Ion:130 Resp: 97208

Ion Ratio Lower Upper

130 100

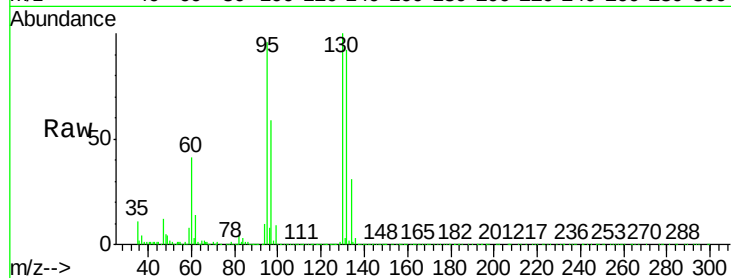
95 95.8 71.7 107.5

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

50000

40000

30000

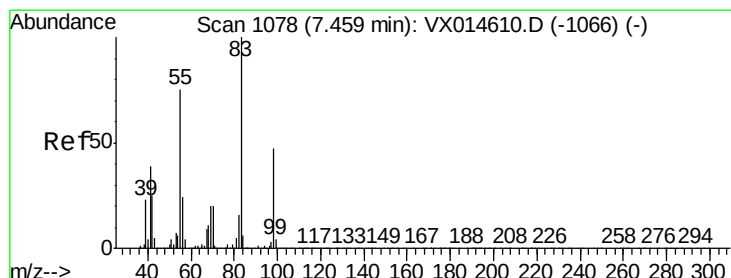
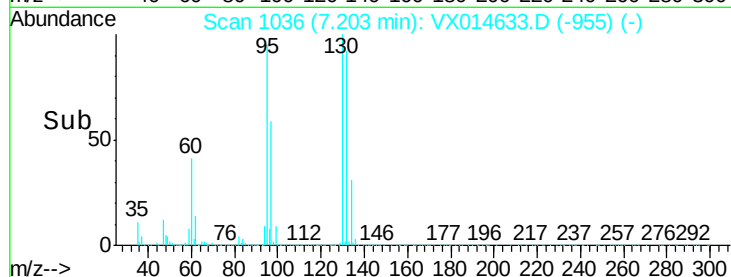
20000

10000

0

7.10 7.15 7.20 7.25 7.30

Time-->



#38

Methylcyclohexane

Concen: 20.026 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

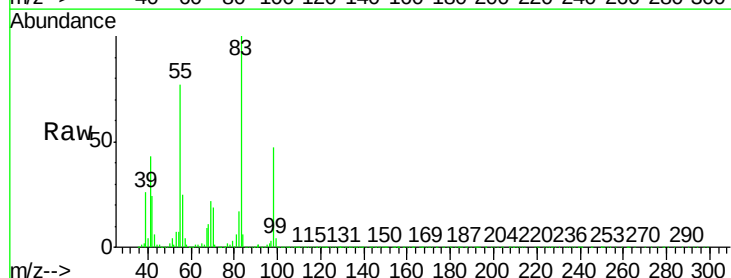
Tgt Ion: 83 Resp: 143838

Ion Ratio Lower Upper

83 100

55 77.9 39.4 118.1

98 47.9 25.1 75.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.45

80000

60000

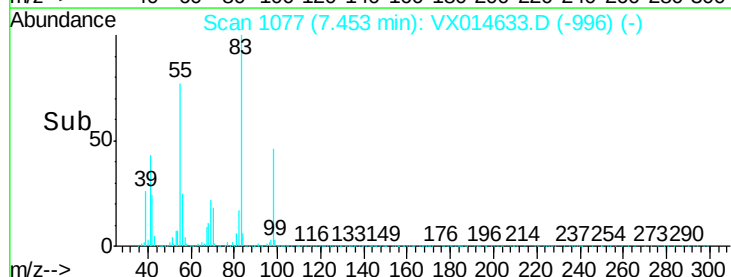
40000

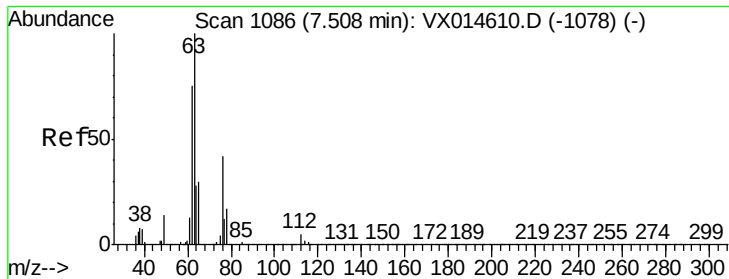
20000

0

7.35 7.40 7.45 7.50 7.55

Time-->





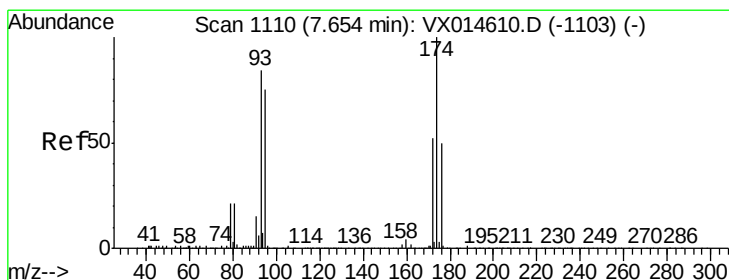
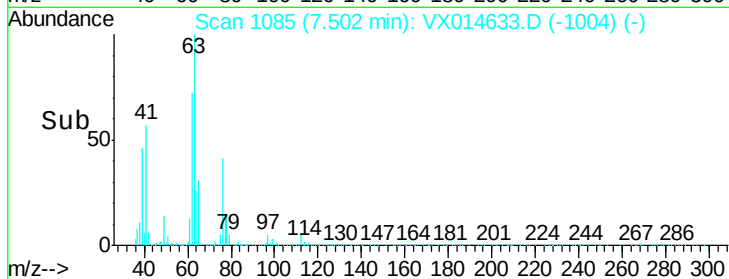
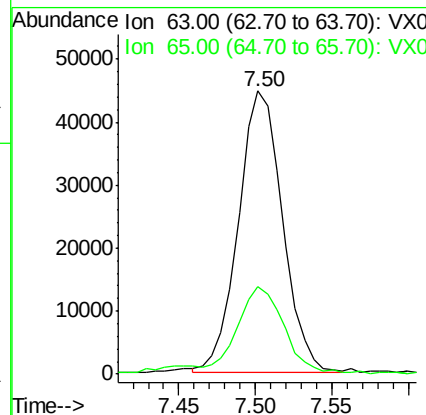
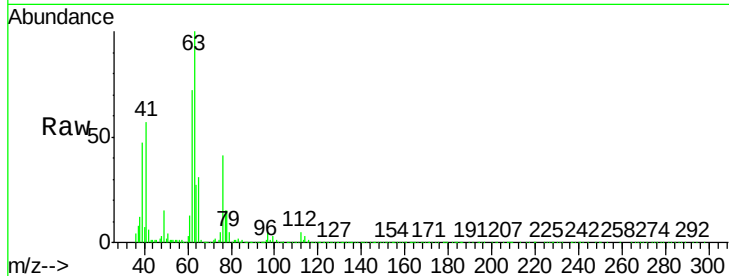
#39
 1,2-Dichloropropane
 Concen: 19.229 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014633.D
 Acq: 16 Jan 2020 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	22.1	33.1

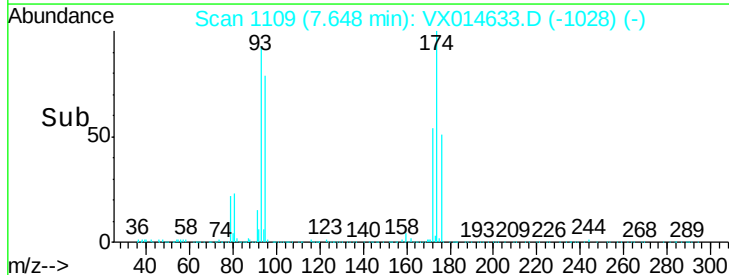
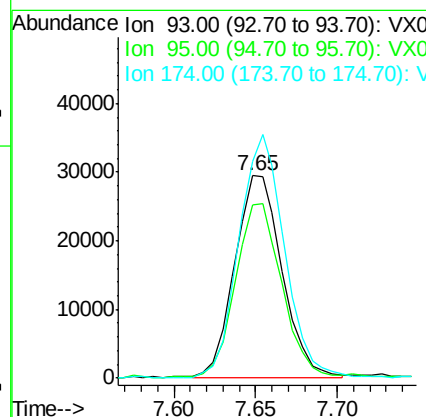
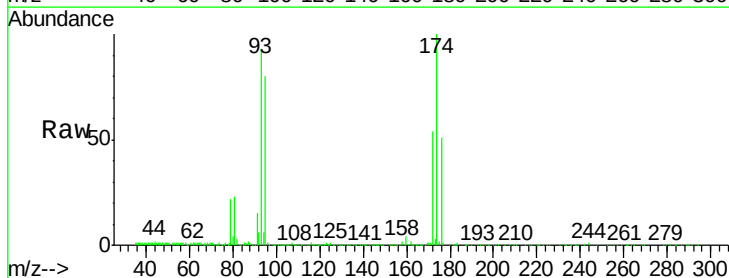
Manual Integrations
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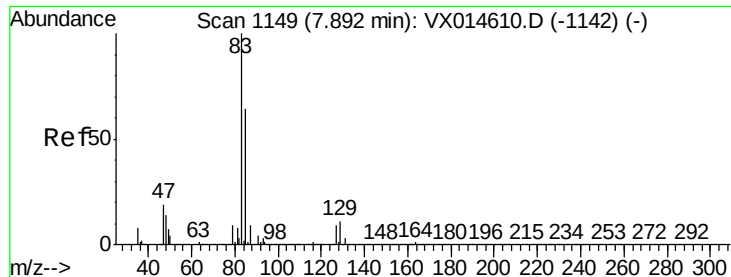
MMDadoda
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#40
 Dibromomethane
 Concen: 19.907 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX014633.D
 Acq: 16 Jan 2020 13:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	0.0	164.4
174	116.4	0.0	228.8





#41

Bromodichloromethane

Concen: 19.530 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

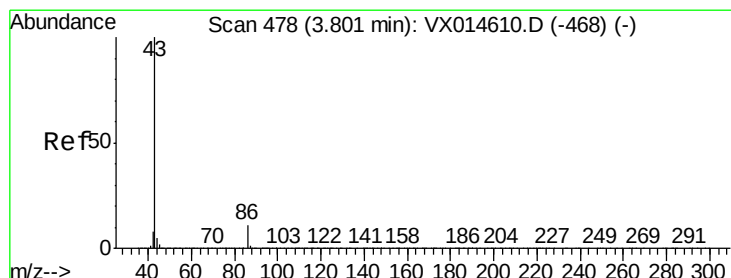
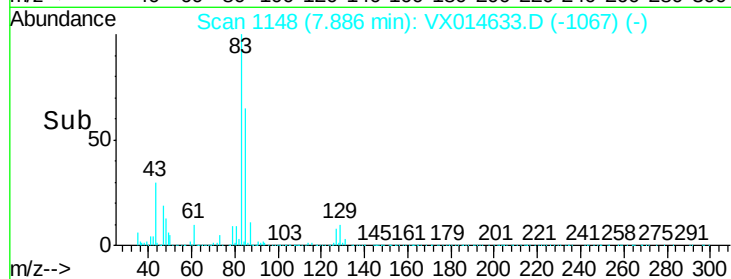
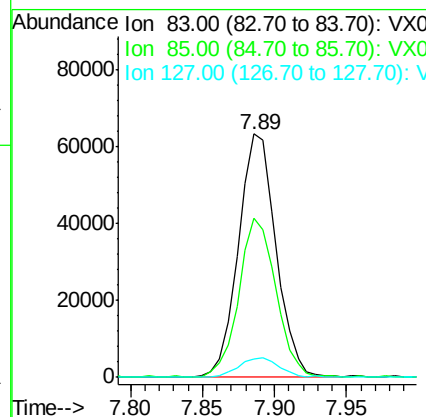
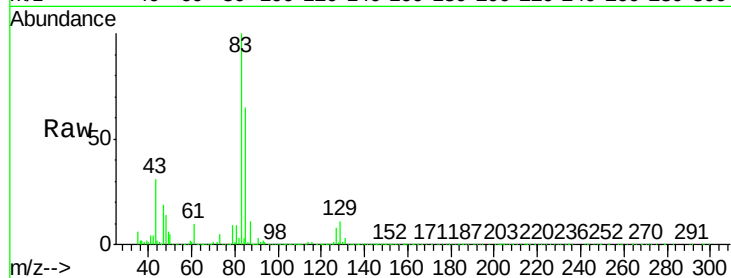
ClientSampleId :

VX0116WBSD01

Tot Ion:	83	Resp:	113935
Ion Ratio	Lower	Upper	
83	100		
85	65.3	51.6	77.4
127	7.7	6.0	9.0

Manual Integrations
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#42

Vinyl Acetate

Concen: 101.092 ug/l

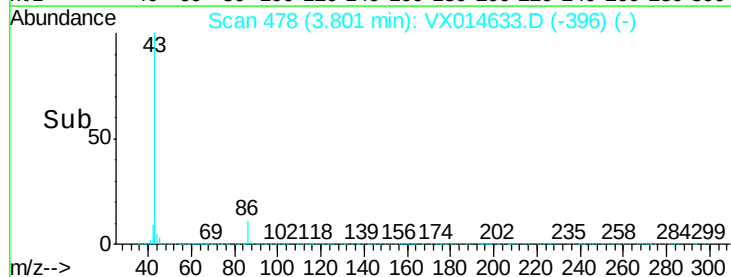
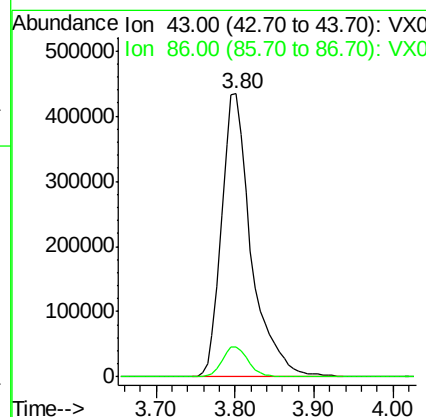
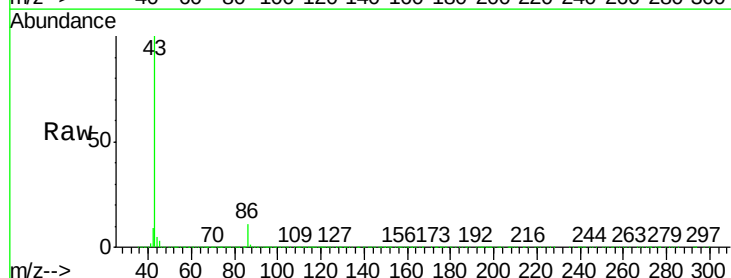
RT: 3.80 min Scan# 478

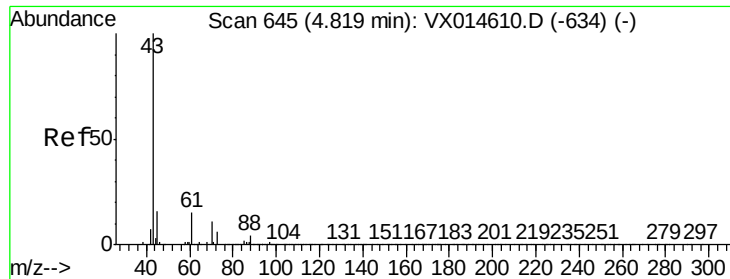
Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Tgt Ion:	43	Resp:	1138645
Ion Ratio	Lower	Upper	
43	100		
86	9.4	7.7	11.5





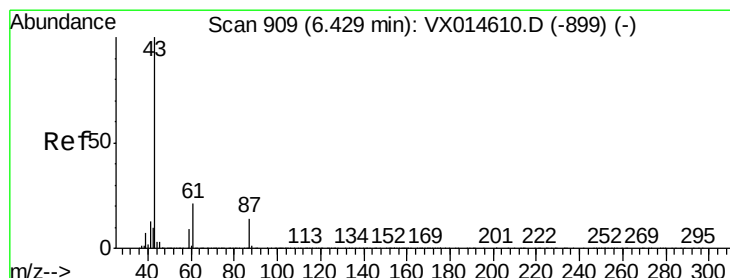
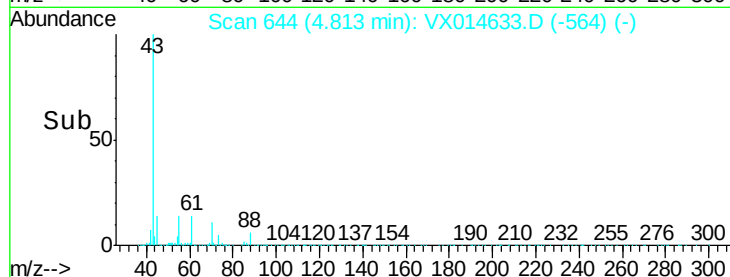
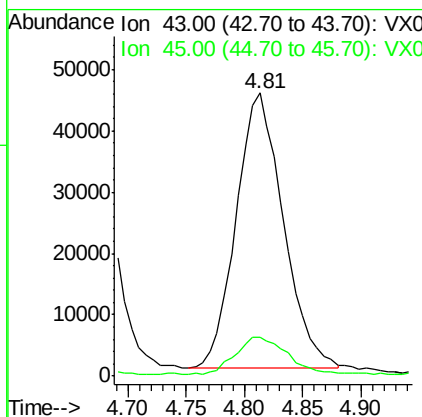
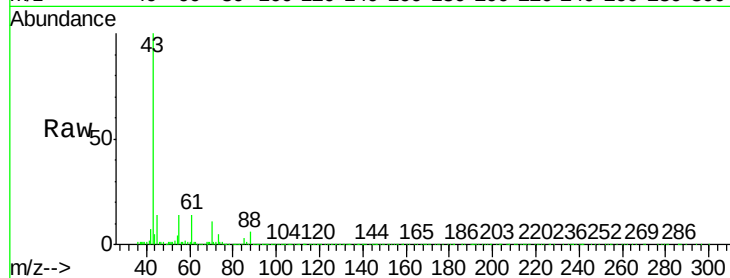
#43
Ethyl Acetate
Concen: 19.129 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0116WBSD01

Tot Ion	43	Ratio	Lower	Upper
126543	100			
45	15.0	11.8	17.8	

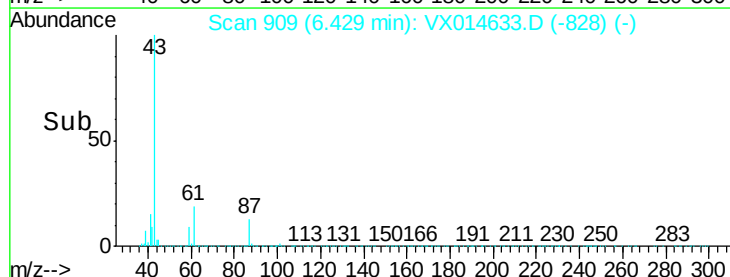
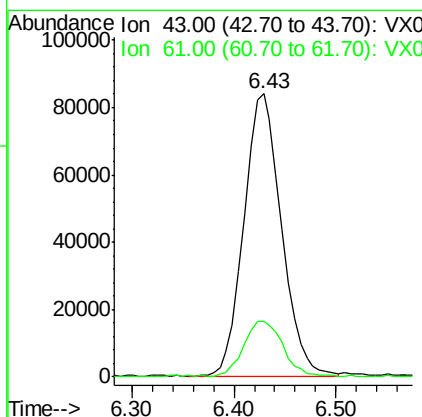
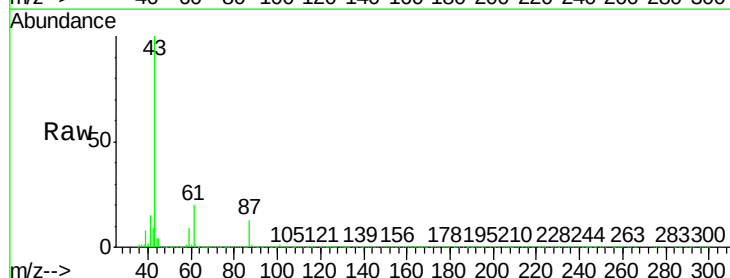
Manual Integrations
APPROVED

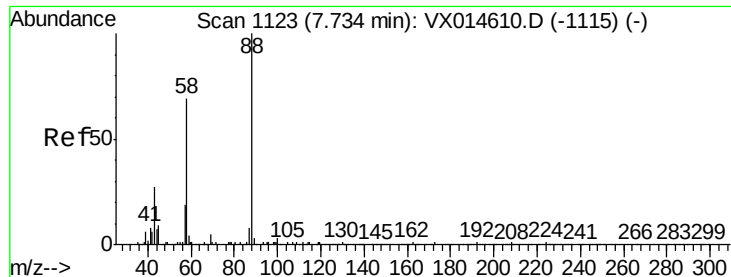
MMDadoda
1/17/2020 11:23:33 AM



#44
Isopropyl Acetate
Concen: 20.161 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Tgt Ion	43	Ratio	Lower	Upper
215149	100			
61	20.0	15.9	23.9	





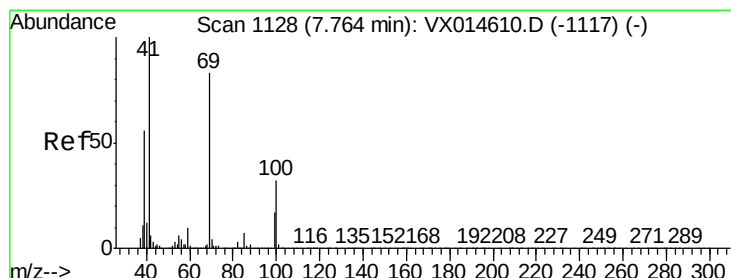
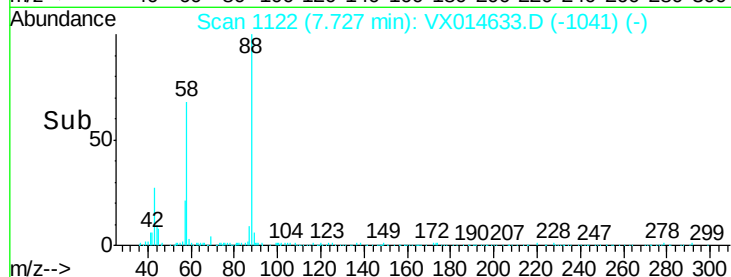
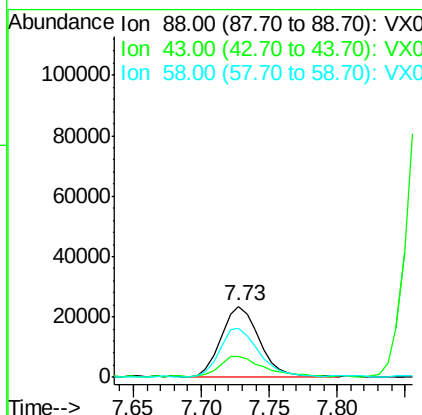
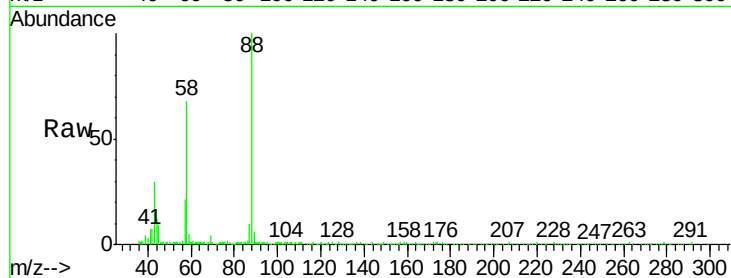
#45
1,4-Dioxane
Concen: 422.943 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0116WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	25.4	38.2
58	70.9	56.5	84.7

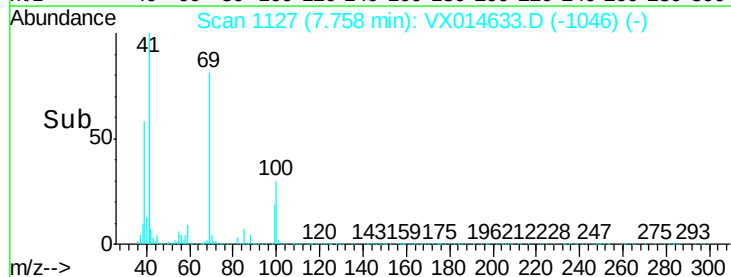
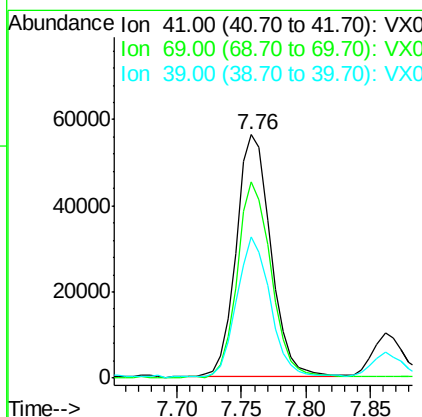
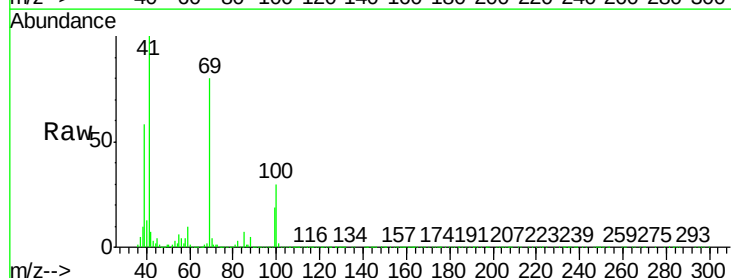
Manual Integrations
APPROVED

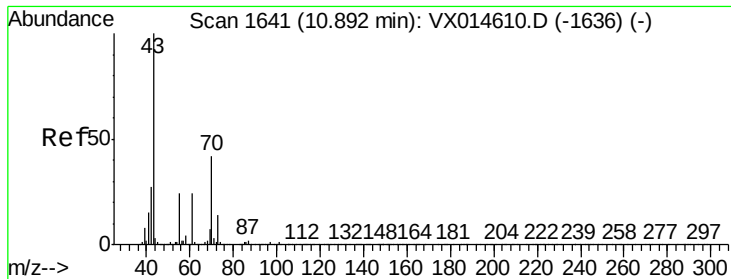
MMDadoda
1/17/2020 11:23:33 AM



#46
Methyl methacrylate
Concen: 19.920 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.3	40.6	122.0
39	57.3	27.8	83.3





#47

n-amvl Acetate

Concen: 19.530 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBSD01

Tot Ion: 43 Resp: 174638

Ion Ratio Lower Upper

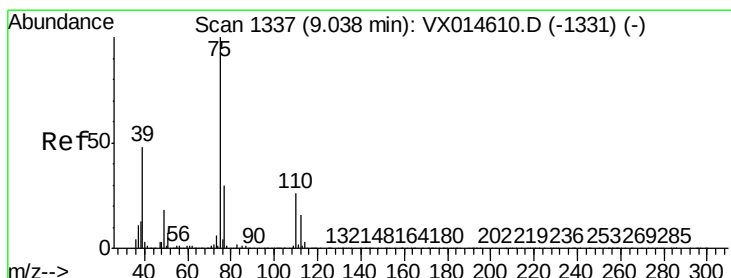
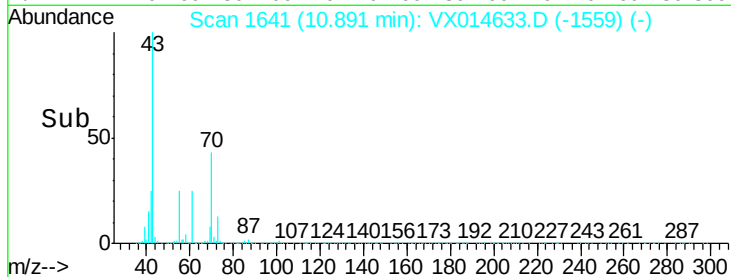
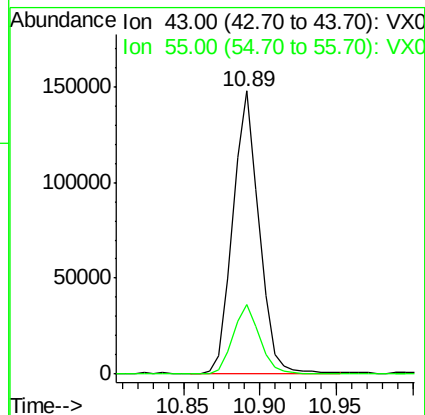
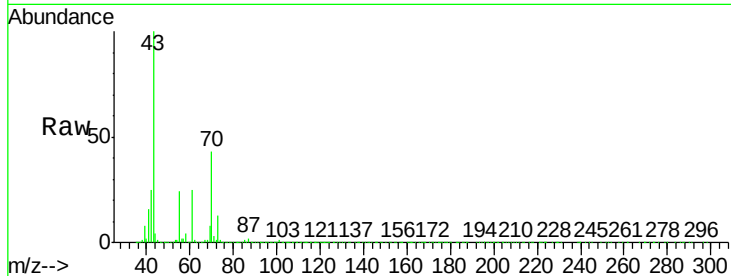
43 100

55 25.5 19.4 29.2

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 19.347 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014633.D

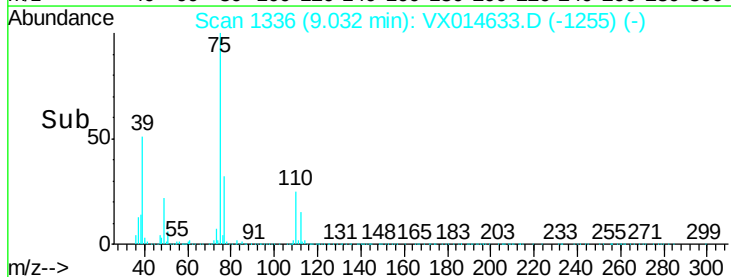
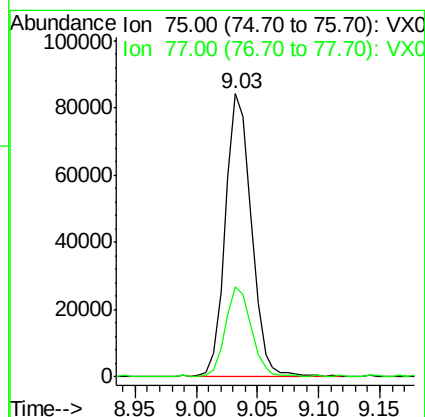
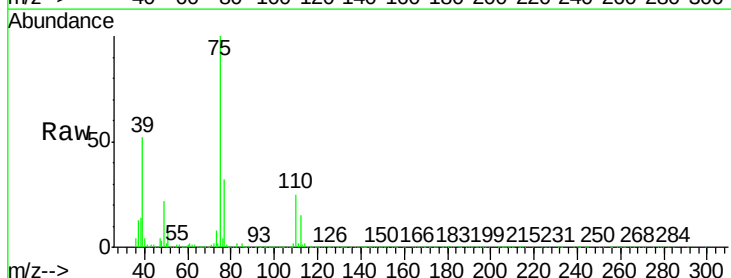
Acq: 16 Jan 2020 13:14

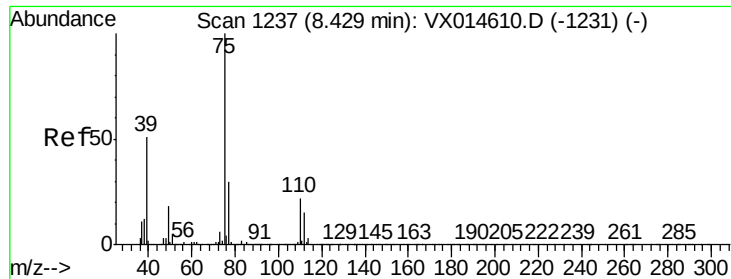
Tgt Ion: 75 Resp: 123229

Ion Ratio Lower Upper

75 100

77 31.6 26.0 39.0





#49

cis-1,3-Dichloropropene

Concen: 19.456 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

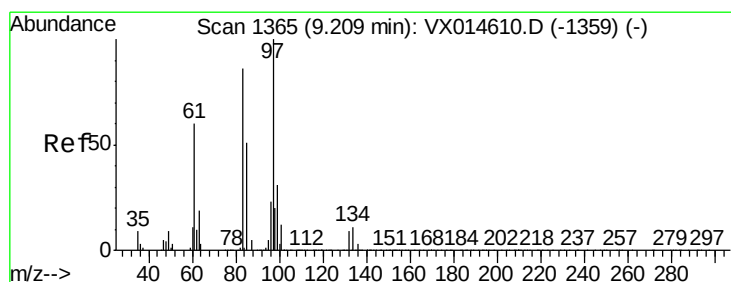
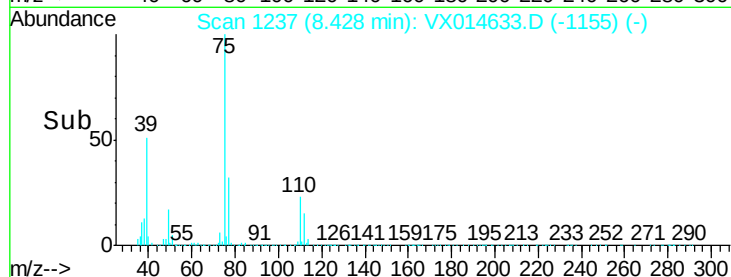
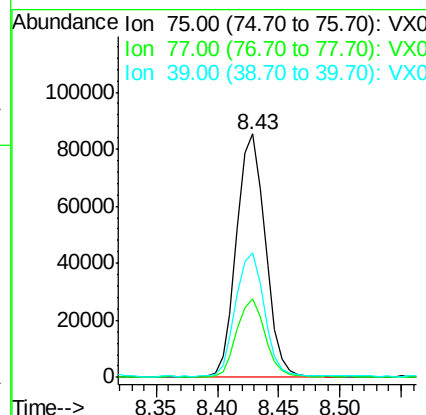
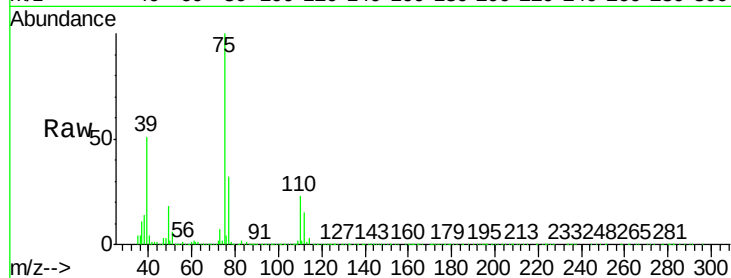
ClientSampleId :

VX0116WBSD01

Tot Ion:	75	Resp:	139630
Ion Ratio		Lower	Upper
75	100		
77	32.4	24.8	37.2
39	51.1	41.1	61.7

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 19.951 ug/l

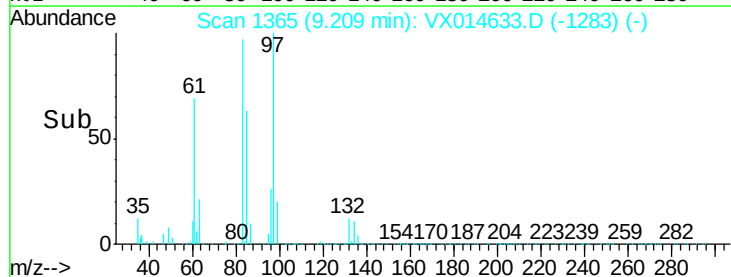
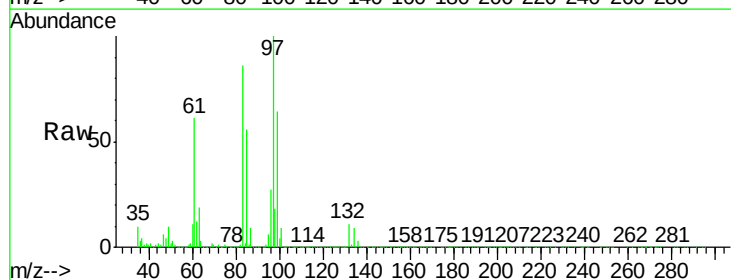
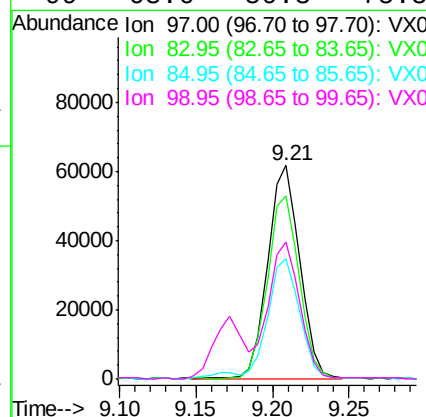
RT: 9.21 min Scan# 1365

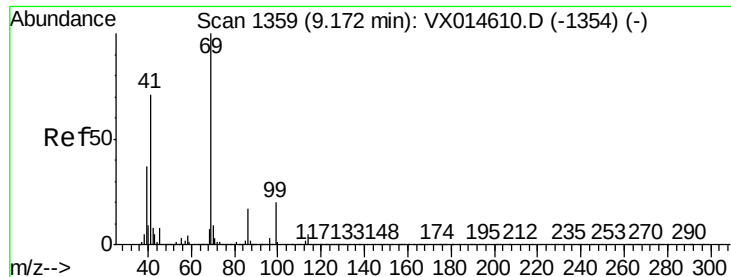
Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Tgt Ion:	97	Resp:	90442
Ion Ratio		Lower	Upper
97	100		
83	85.7	68.1	102.1
85	55.7	42.7	64.1
99	63.6	50.3	75.5





#51

Ethyl methacrylate

Concen: 19.385 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

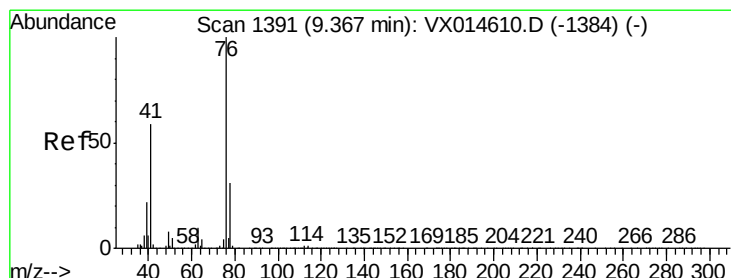
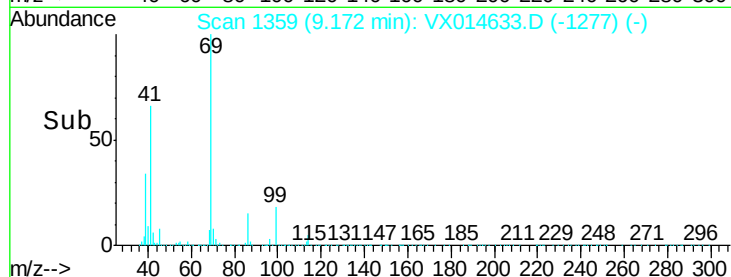
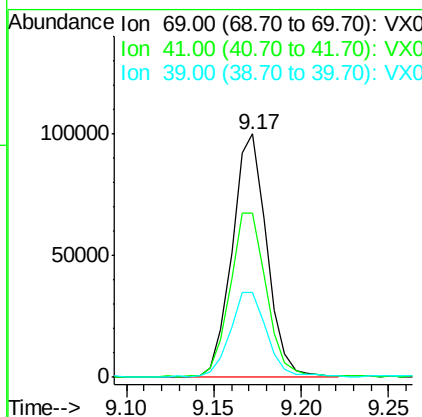
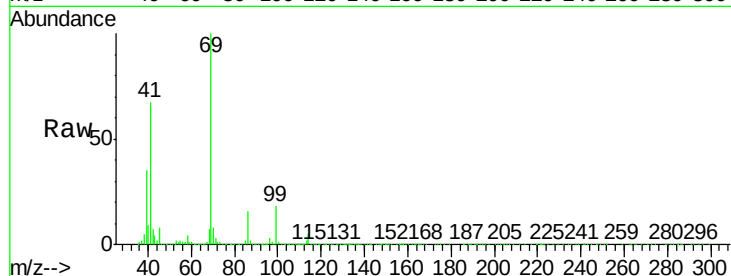
ClientSampled :

VX0116WBSD01

Tot Ion	69	Resp	136821
Ion Ratio	Lower	Upper	
69	100		
41	67.0	35.4	106.1
39	34.4	17.8	53.3

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#52

1,3-Dichloropropane

Concen: 20.030 ug/l

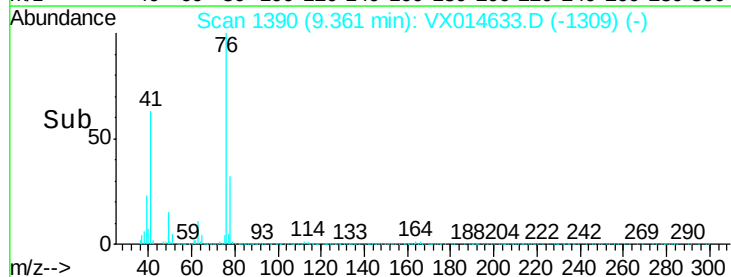
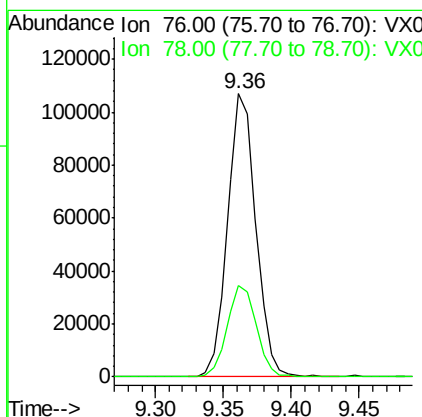
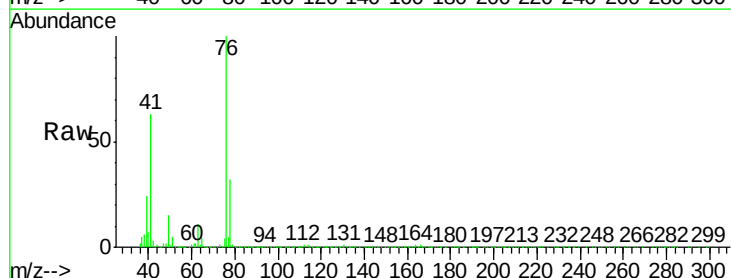
RT: 9.36 min Scan# 1390

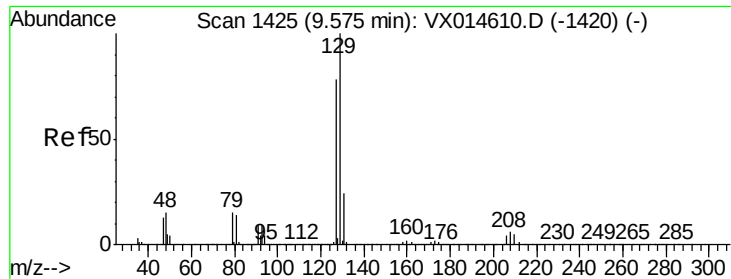
Delta R.T. -0.01 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Tgt Ion	76	Resp	153840
Ion Ratio	Lower	Upper	
76	100		
78	33.1	0.0	63.4





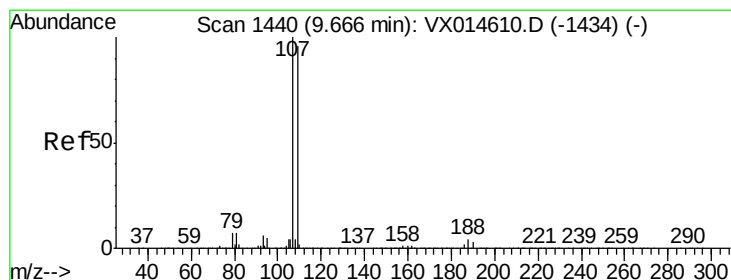
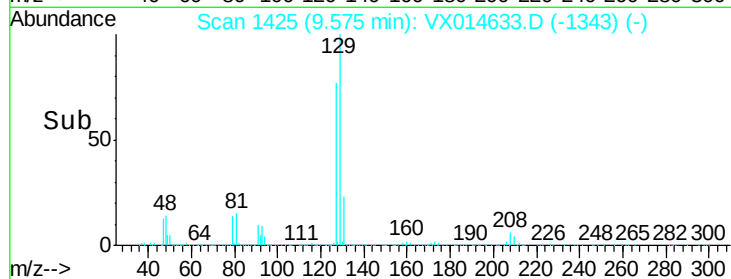
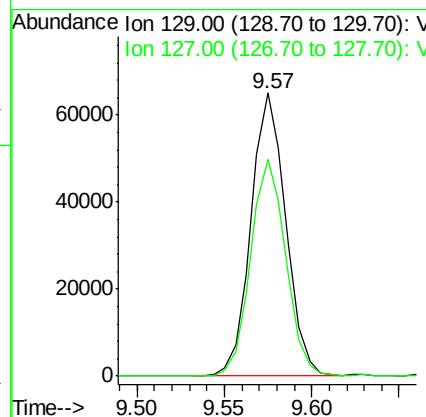
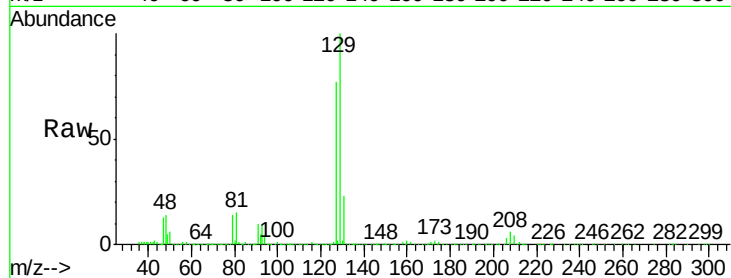
#53
Dibromochloromethane
Concen: 19.537 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0116WBSD01

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.1	117.5

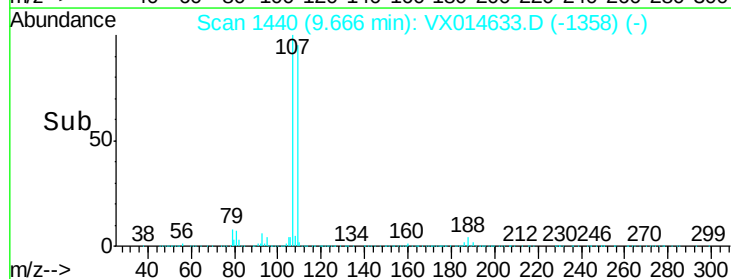
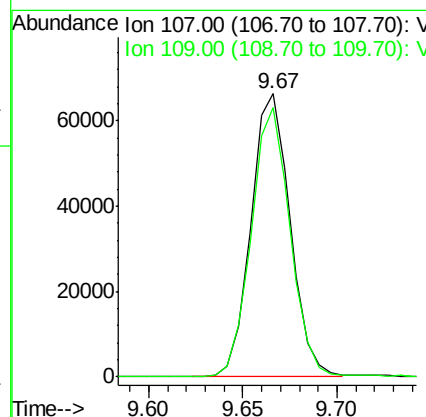
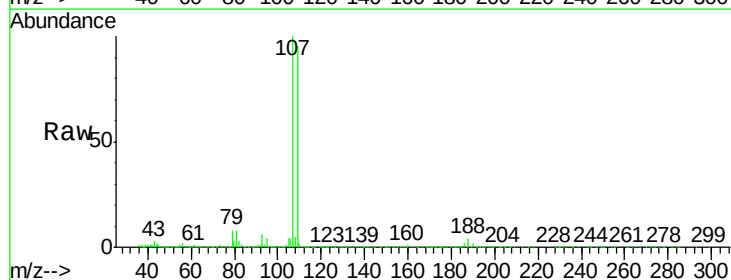
Manual Integrations
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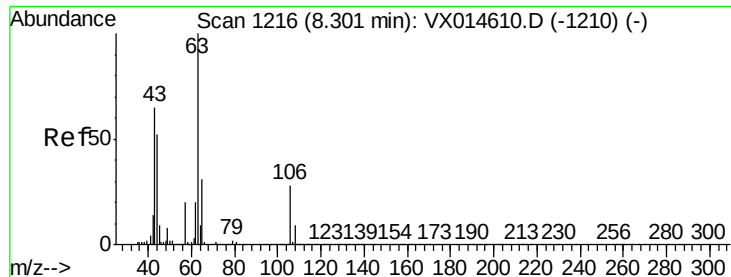
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#54
1,2-Dibromoethane
Concen: 20.168 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. 0.00 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.7	77.2	115.8





#55

2-Chloroethyl vinyl ether

Concen: 99.041 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

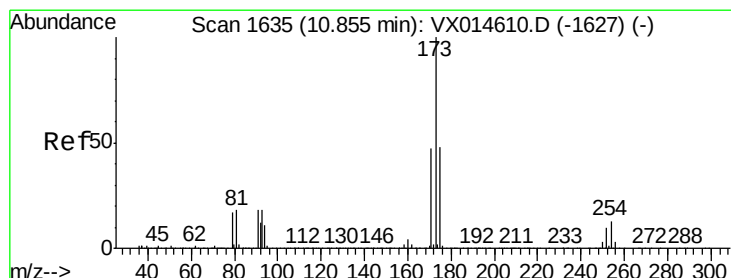
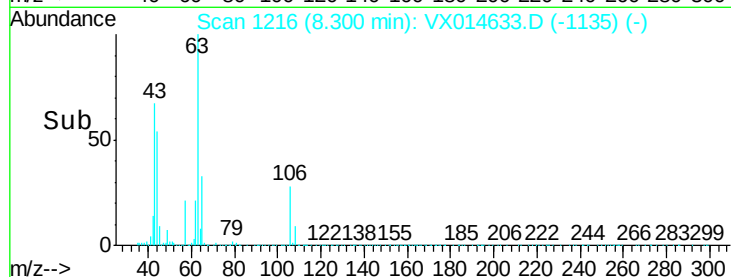
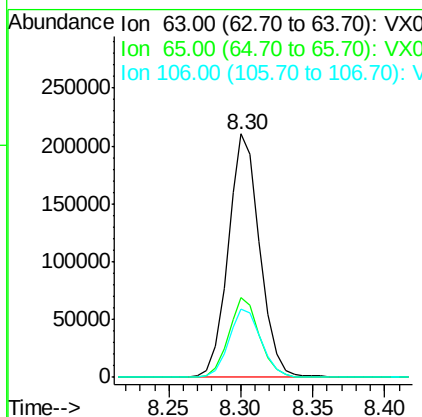
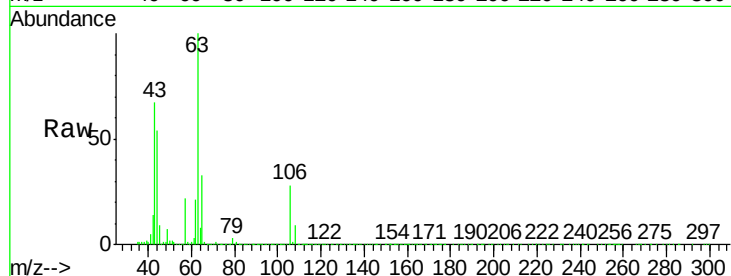
ClientSampleId :

VX0116WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.8	38.6
106	28.7	22.9	34.3

Manual Integrations
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#56

Bromoform

Concen: 18.759 ug/l

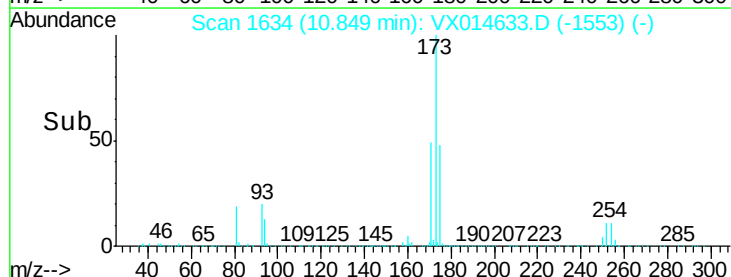
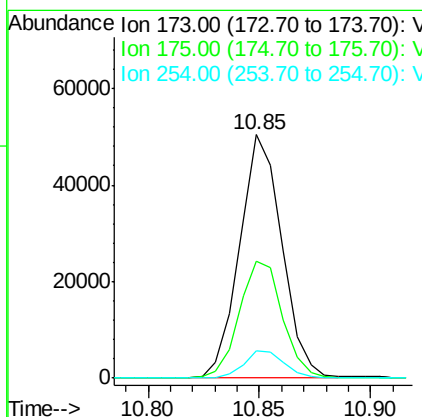
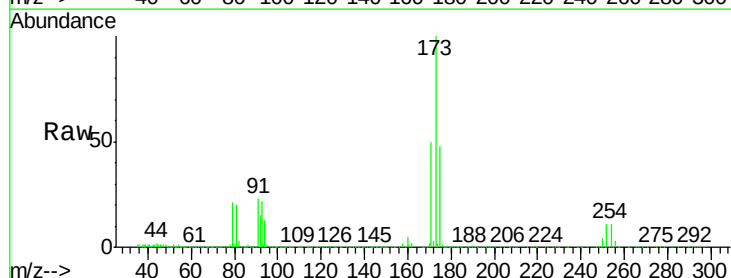
RT: 10.85 min Scan# 1634

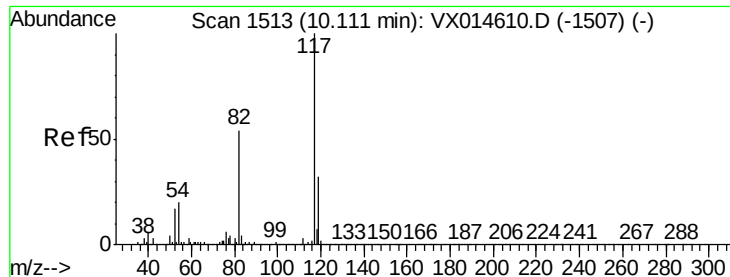
Delta R.T. -0.01 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	39.5	59.3
254	11.0	8.2	12.4





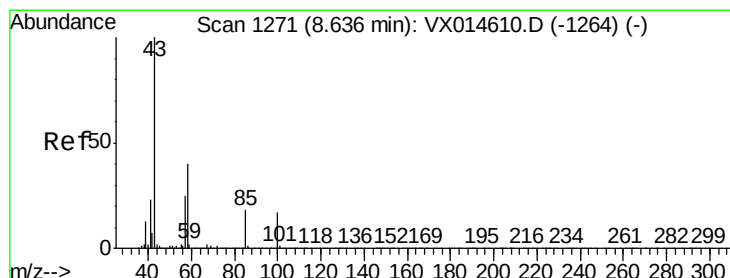
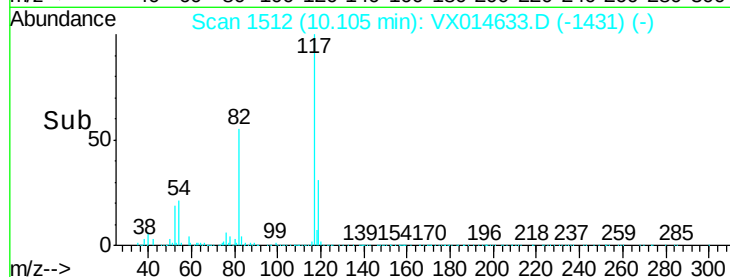
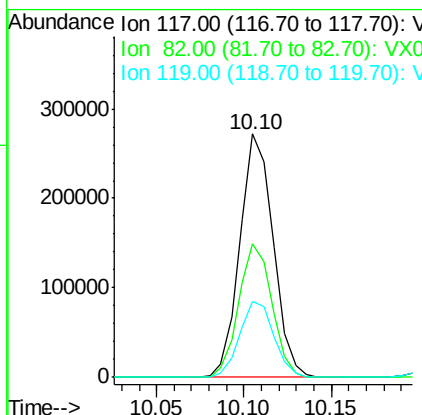
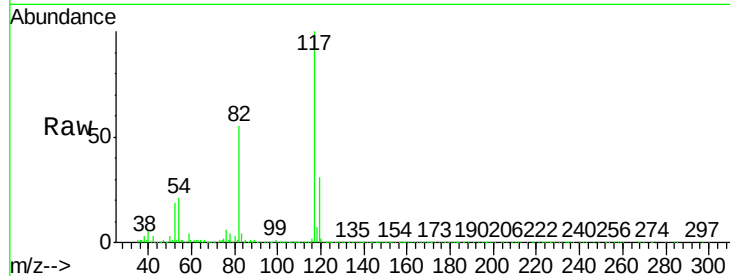
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0116WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	361141		
82	54.1	43.8	65.6	
119	32.3	25.8	38.6	

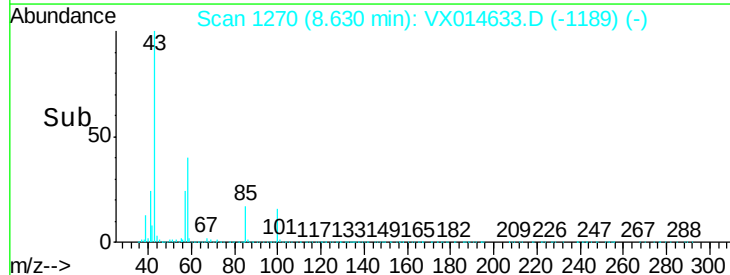
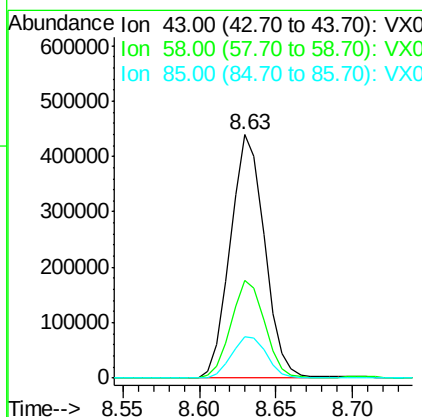
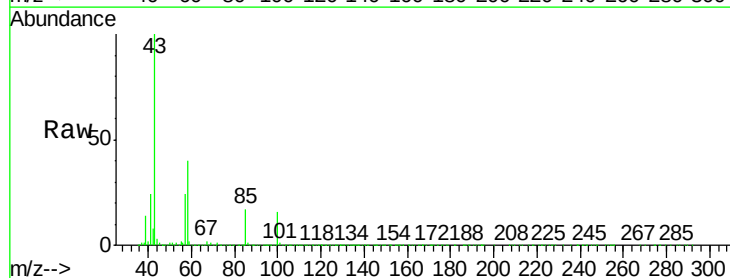
Manual Integrations
APPROVED

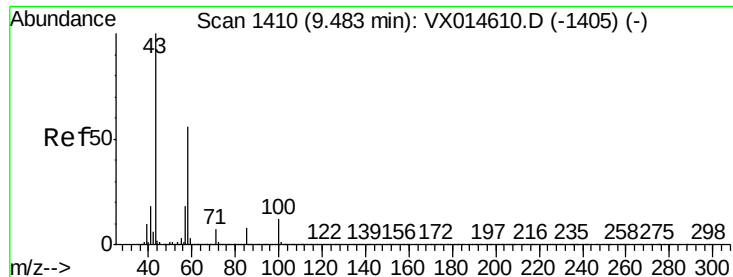
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 100.447 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	683129		
58	39.8	31.2	46.8	
85	17.5	14.2	21.2	





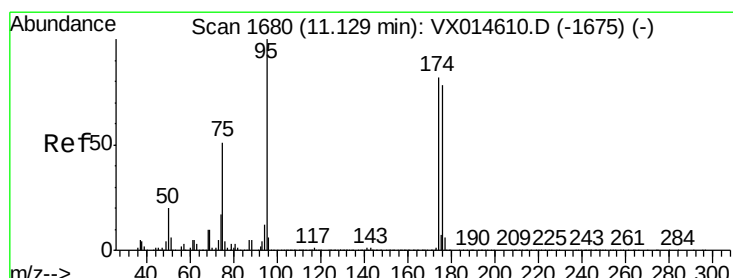
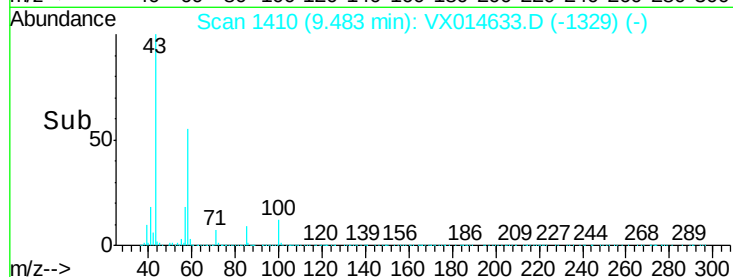
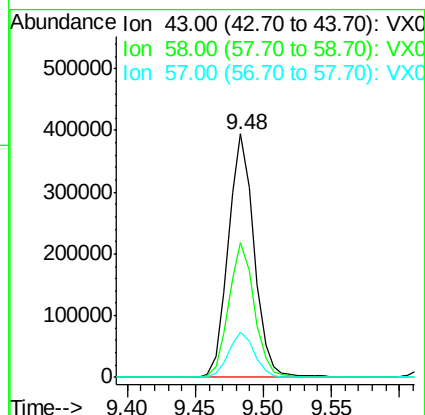
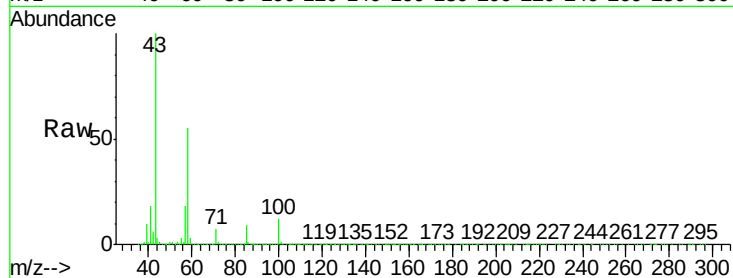
#59
2-Hexanone
Concen: 98.660 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0116WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.5	43.8	65.6
57	18.5	15.4	23.0

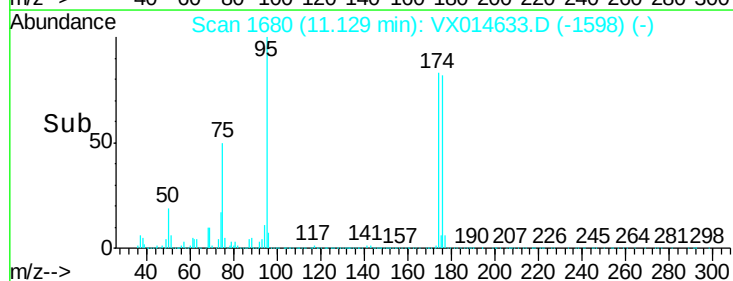
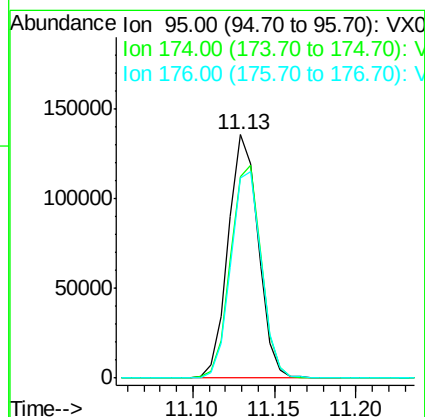
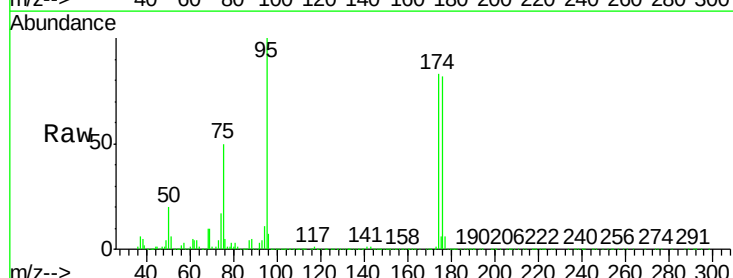
Manual Integrations
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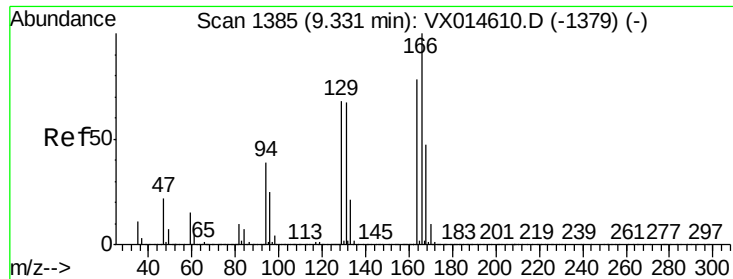
MMDadoda
1/17/2020 11:23:33 AM



#60
4-Bromofluorobenzene
Concen: 30.019 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.8	70.2	105.2
176	86.0	68.3	102.5





#61

Tetrachloroethene

Concen: 19.715 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

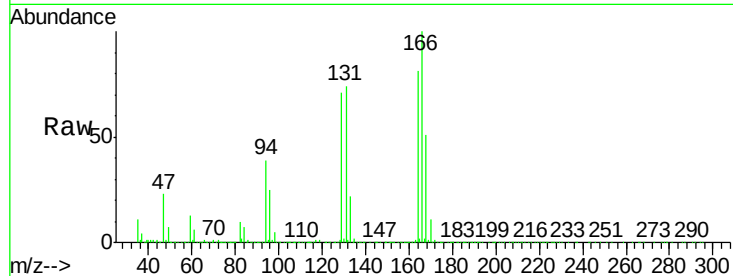
ClientSampleId :

VX0116WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	123.2	104.2	156.2
129	87.4	71.6	107.4
131	91.0	71.7	107.5

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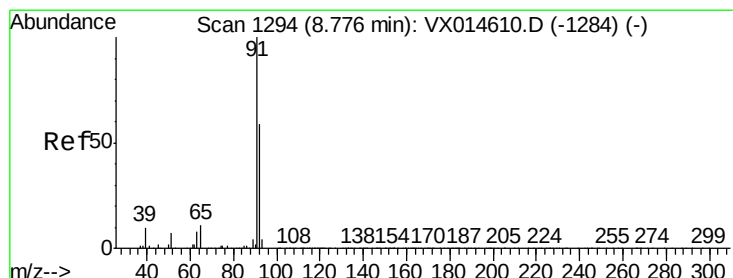
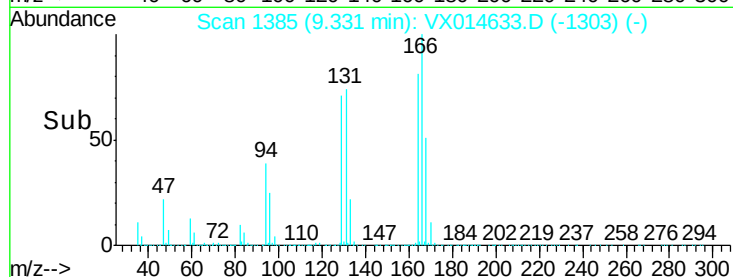
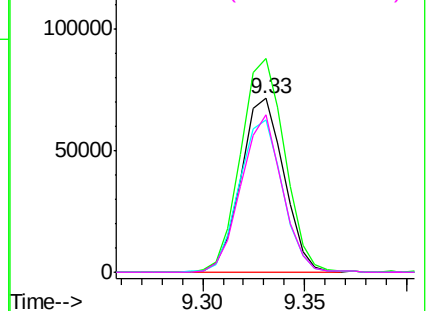


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.627 ug/l

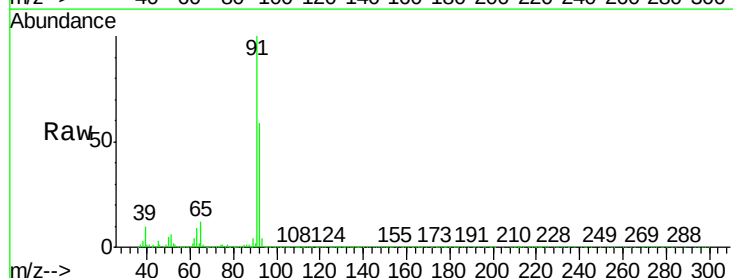
RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014633.D

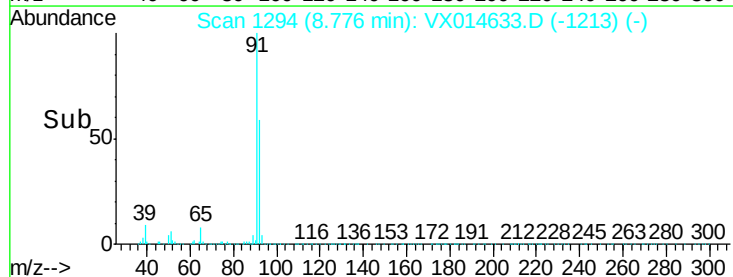
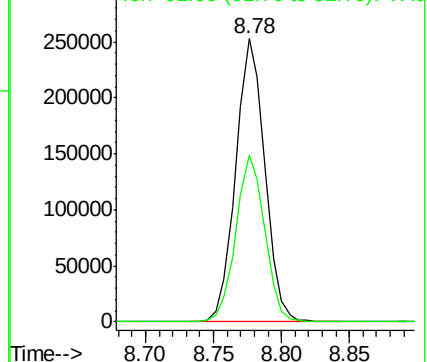
Acq: 16 Jan 2020 13:14

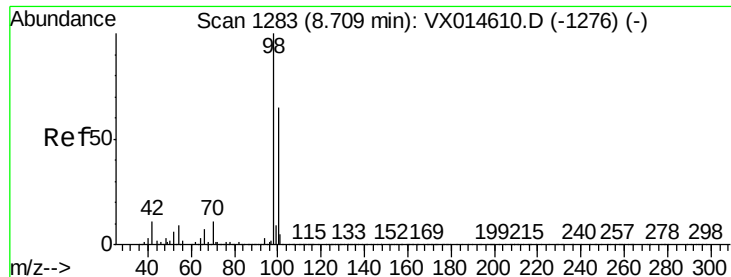
Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.5	46.4	69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.068 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBSD01

Tot Ion: 98 Resp: 490487

Ion Ratio Lower Upper

98 100

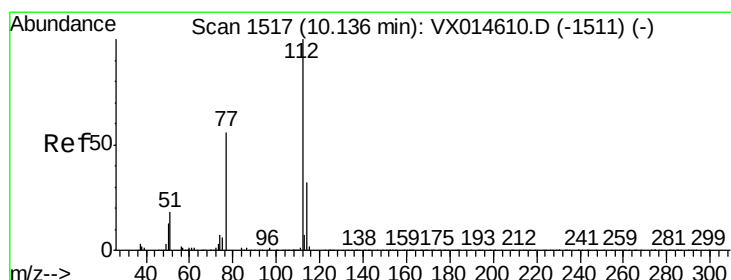
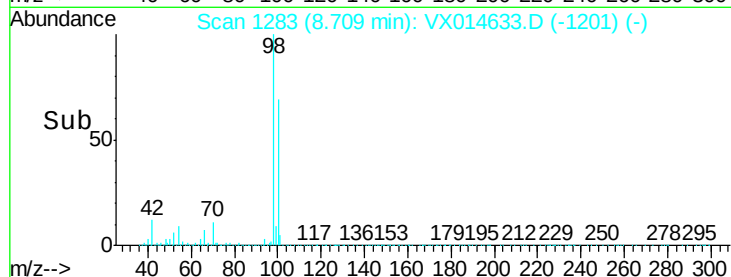
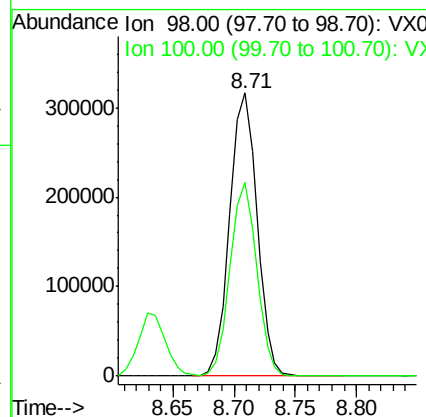
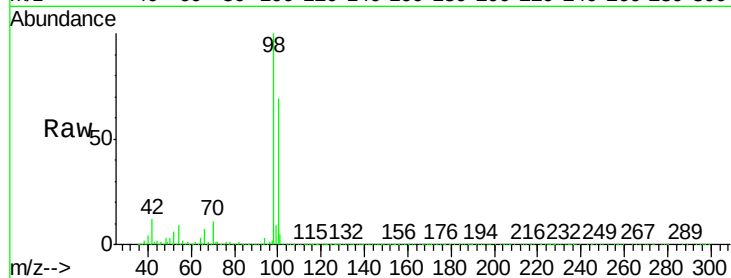
100 66.7 52.2 78.2

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#64

Chlorobenzene

Concen: 19.695 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014633.D

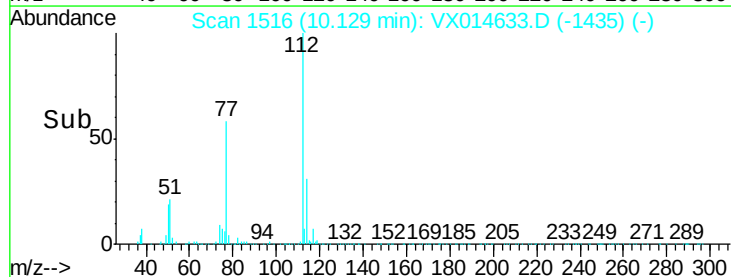
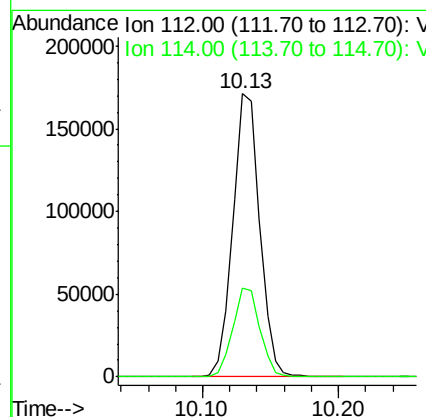
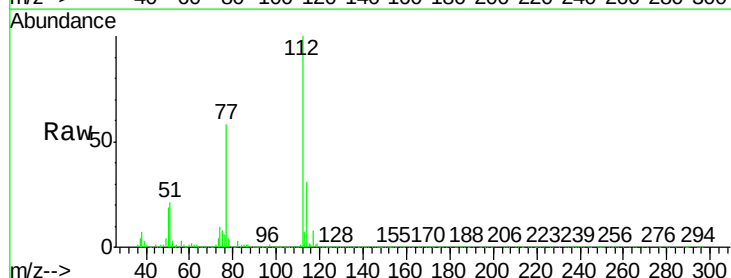
Acq: 16 Jan 2020 13:14

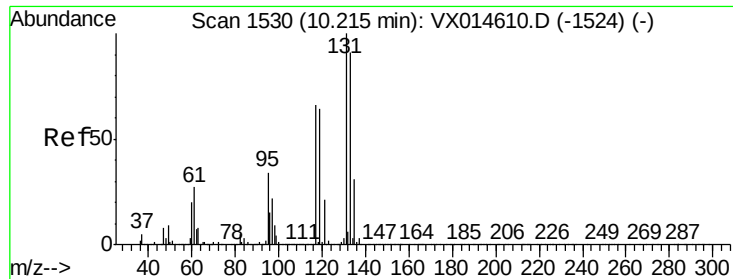
Tgt Ion: 112 Resp: 235572

Ion Ratio Lower Upper

112 100

114 31.5 24.4 36.6





#65

1,1,1,2-Tetrachloroethane

Concen: 19.775 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

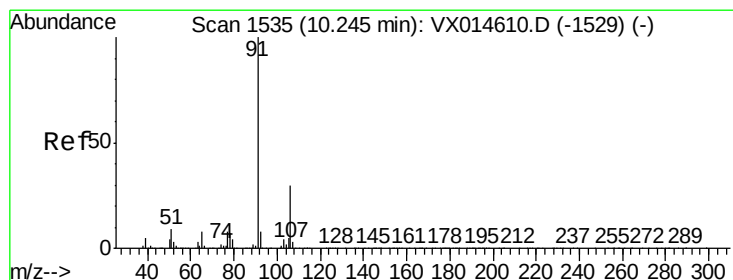
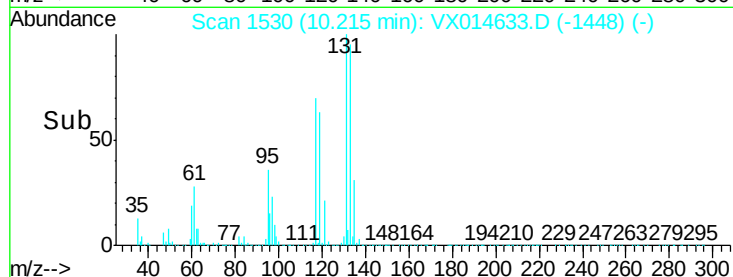
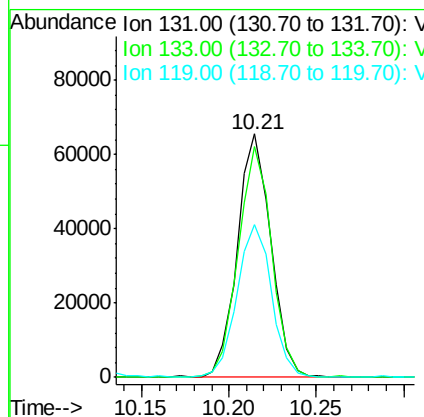
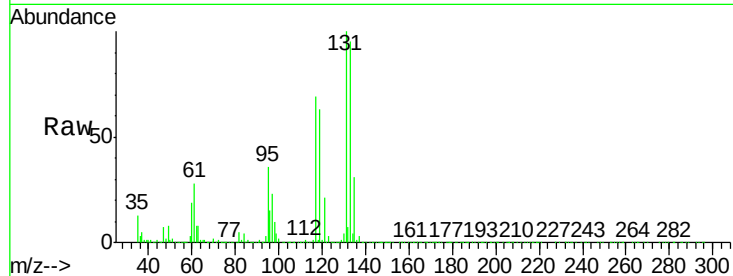
ClientSampleId :

VX0116WBSD01

Tot Ion:	131	Resp:	87357
Ion	Ratio	Lower	Upper
131	100		
133	94.3	0.0	189.8
119	64.7	0.0	132.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.470 ug/l

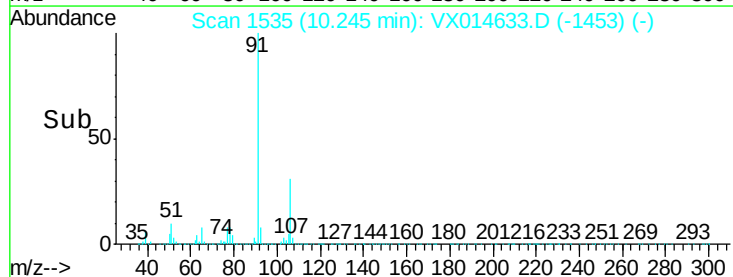
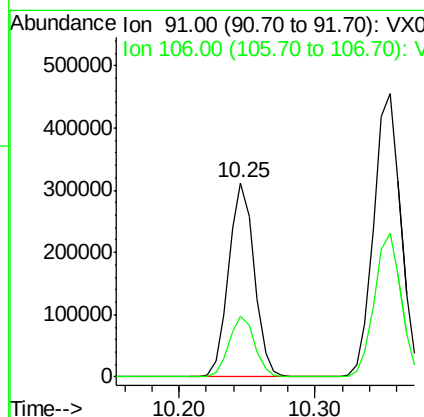
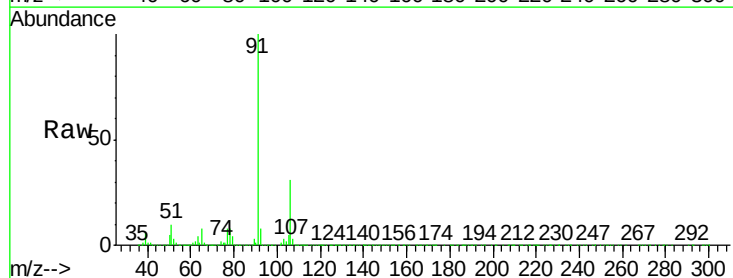
RT: 10.25 min Scan# 1535

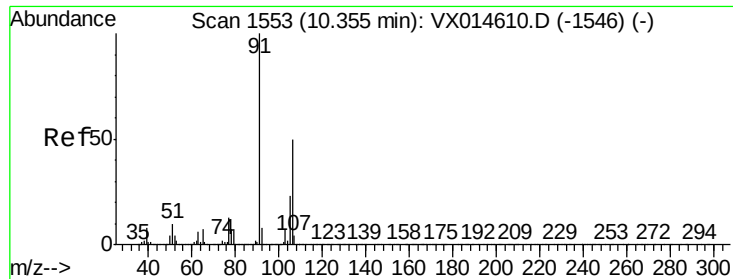
Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Tgt Ion:	91	Resp:	406327
Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.2	36.2





#67

m/p-Xylenes

Concen: 39.312 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBSD01

Tot Ion:106 Resp: 314257

Ion Ratio Lower Upper

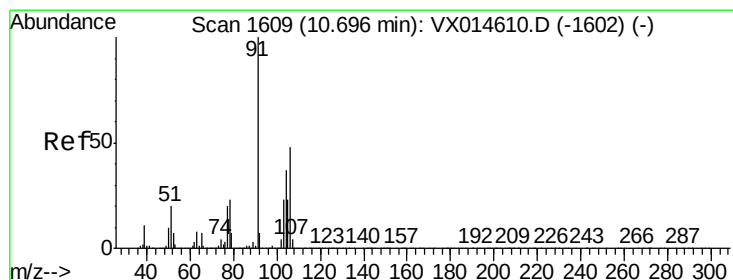
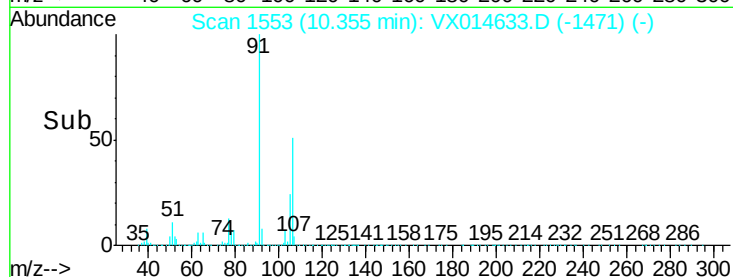
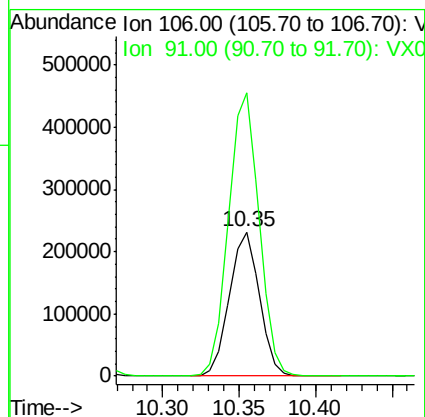
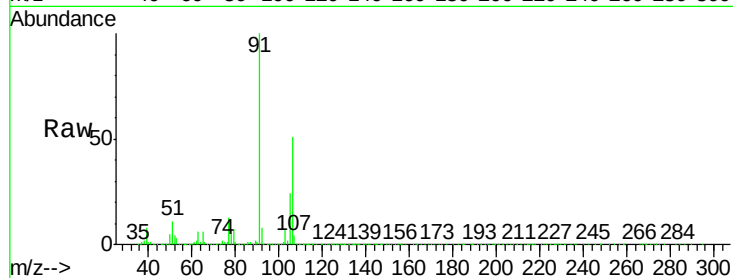
106 100

91 199.1 159.3 238.9

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#68

o-Xylene

Concen: 19.339 ug/l

RT: 10.69 min Scan# 1608

Delta R.T. -0.01 min

Lab File: VX014633.D

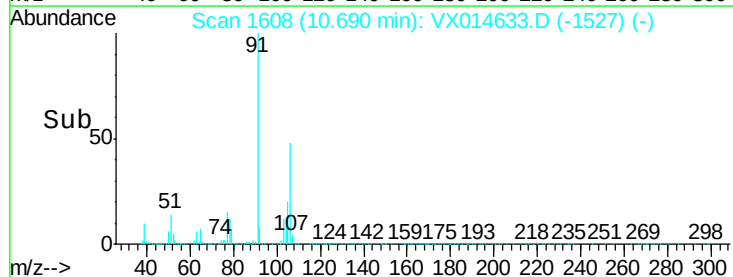
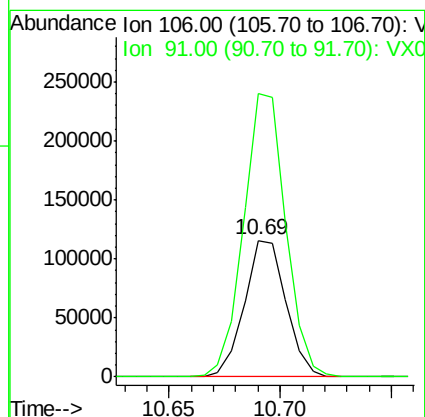
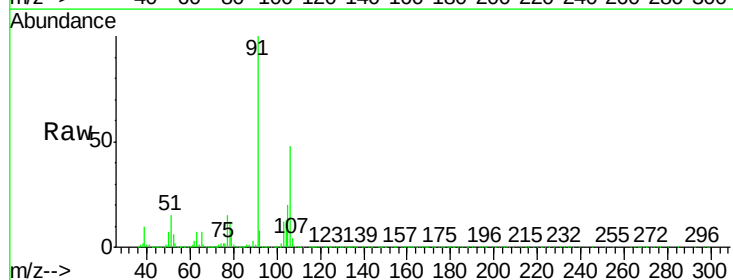
Acq: 16 Jan 2020 13:14

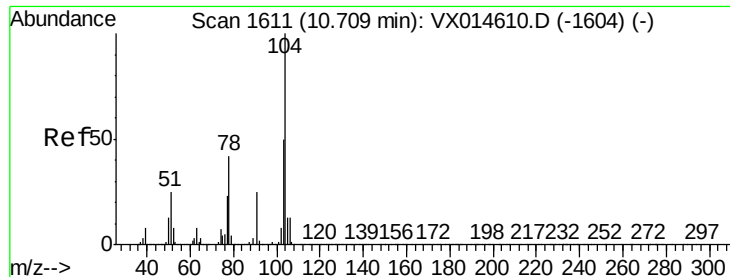
Tgt Ion:106 Resp: 150539

Ion Ratio Lower Upper

106 100

91 210.6 104.8 314.6





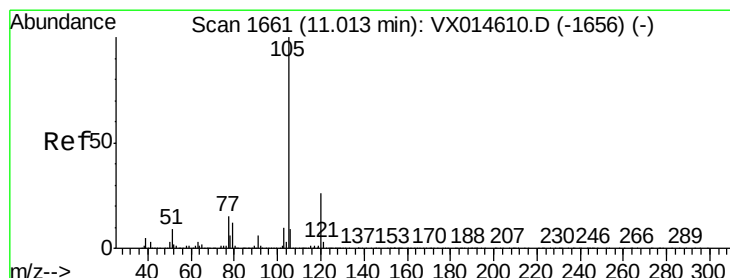
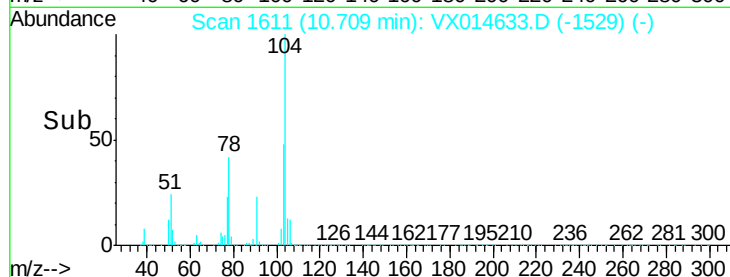
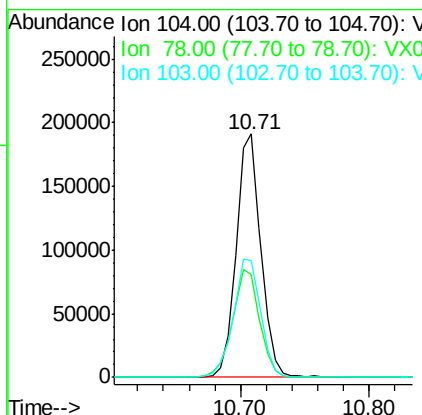
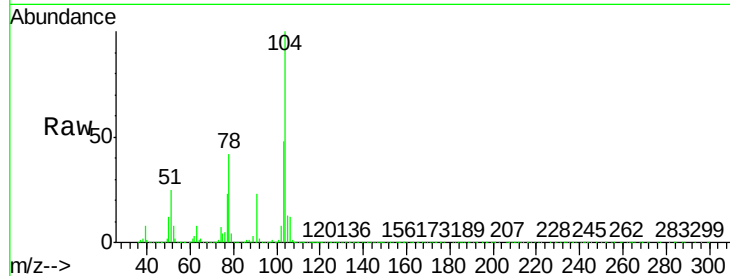
#69
Stvrene
Concen: 19.206 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0116WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.1	38.9	58.3
103	54.0	44.2	66.2

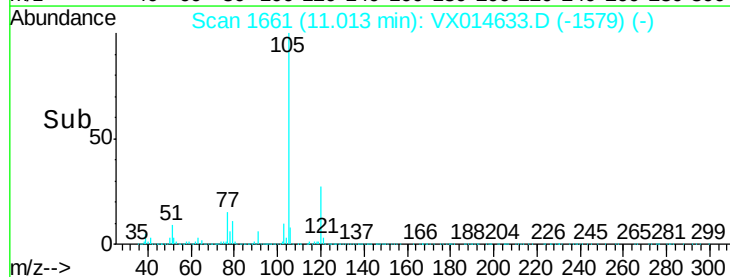
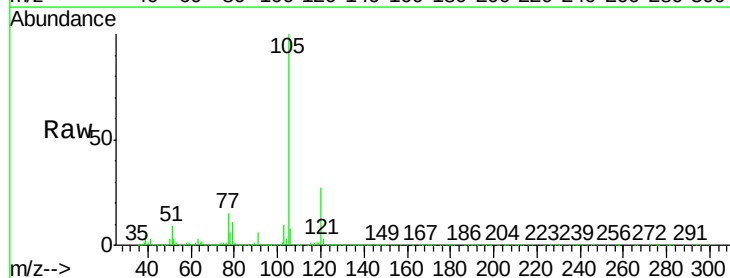
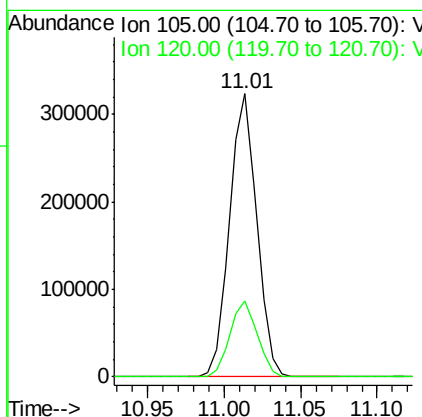
Manual Integrations
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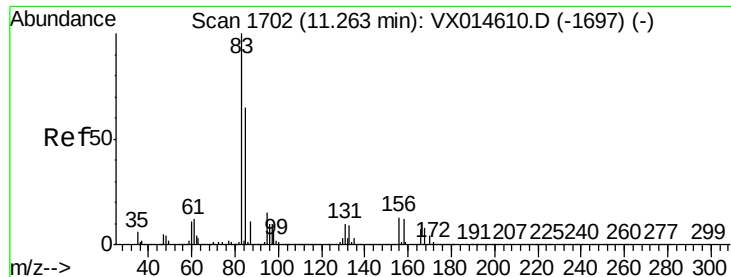
MMDadoda
1/17/2020 11:23:33 AM



#70
Isopropylbenzene
Concen: 19.564 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	19.1	35.5





#71

1,1,2,2-Tetrachloroethane

Concen: 19.574 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

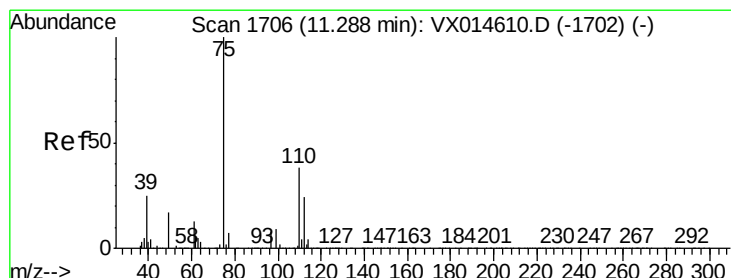
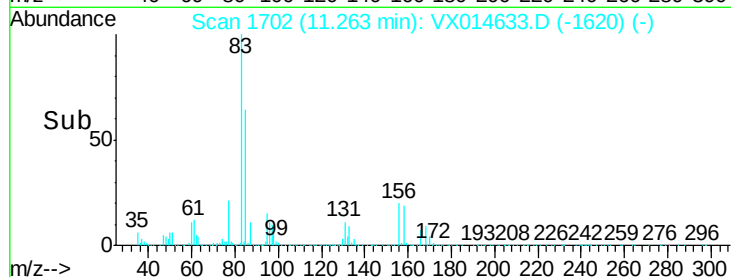
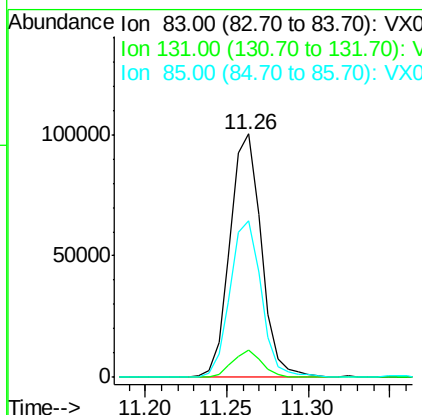
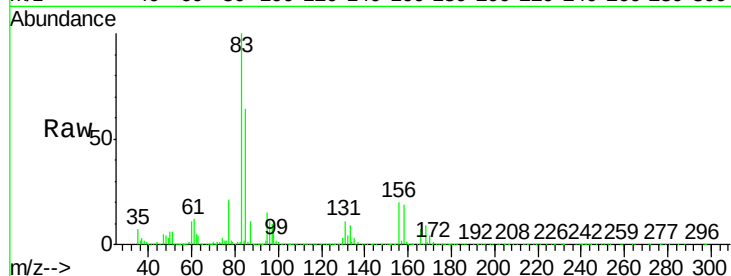
ClientSampleId :

VX0116WBSD01

Tot Ion:	83	Resp:	134461
Ion Ratio	Lower	Upper	
83	100		
131	10.6	4.9	14.7
85	64.0	31.6	94.7

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#72

1,2,3-Trichloropropane

Concen: 20.208 ug/l m

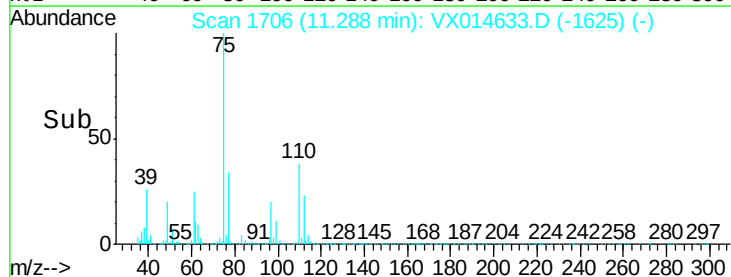
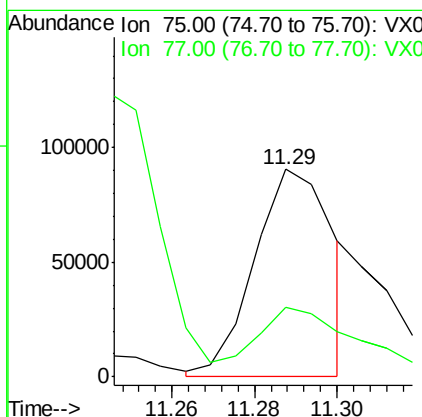
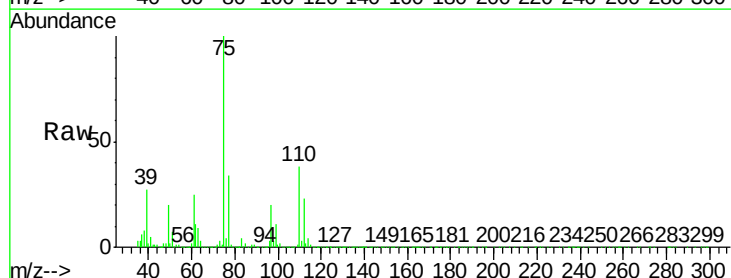
RT: 11.29 min Scan# 1706

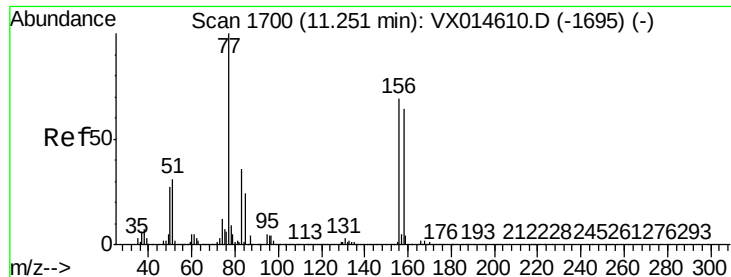
Delta R.T. -0.01 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Tgt Ion:	75	Resp:	118740
Ion Ratio	Lower	Upper	
75	100		
77	41.6	0.0	68.4





#73

Bromobenzene

Concen: 19.343 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

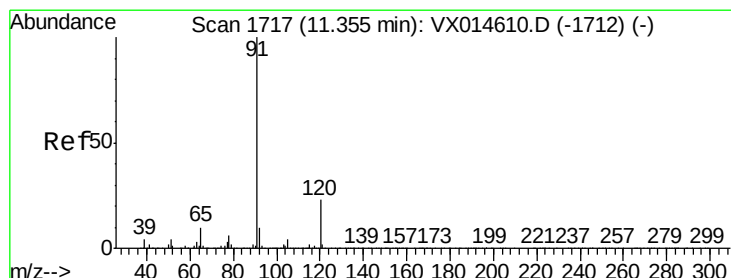
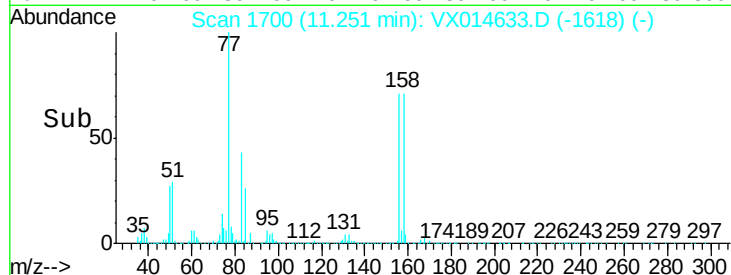
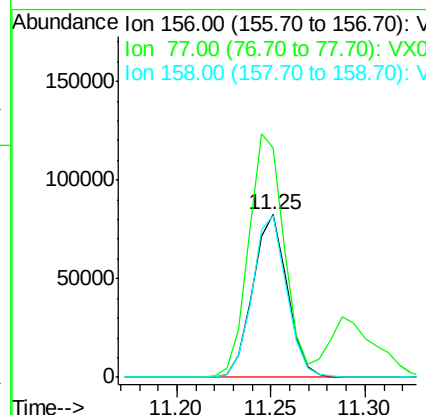
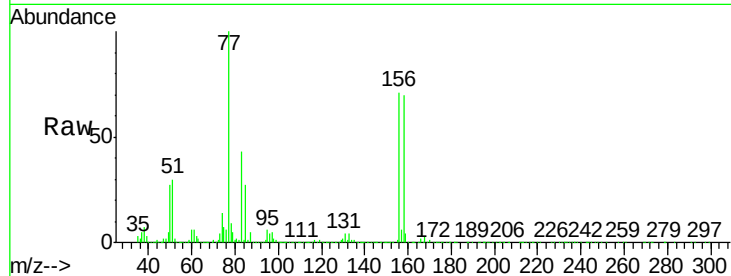
ClientSampleId :

VX0116WBSD01

Tot Ion:	156	Resp:	104569
Ion Ratio	Lower	Upper	
156	100		
77	153.0	0.0	304.6
158	98.9	0.0	195.2

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1/17/2020 11:23:33 AM



#74

n-propylbenzene

Concen: 19.609 ug/l

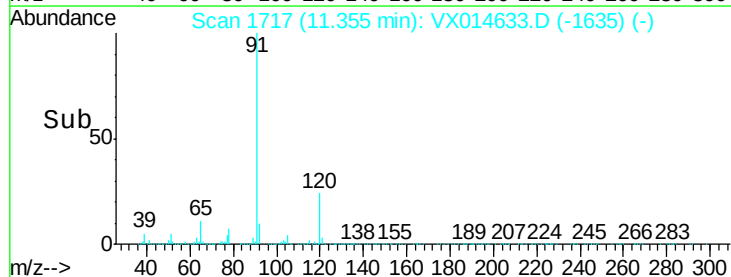
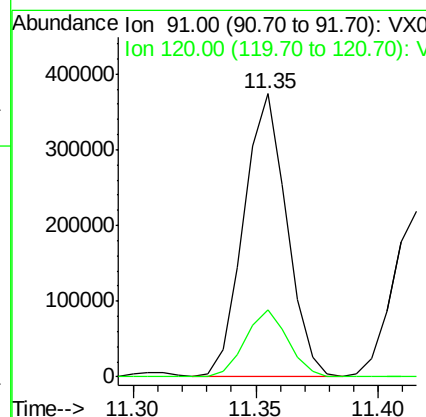
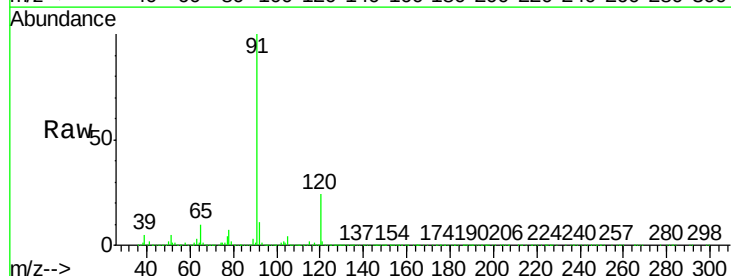
RT: 11.35 min Scan# 1717

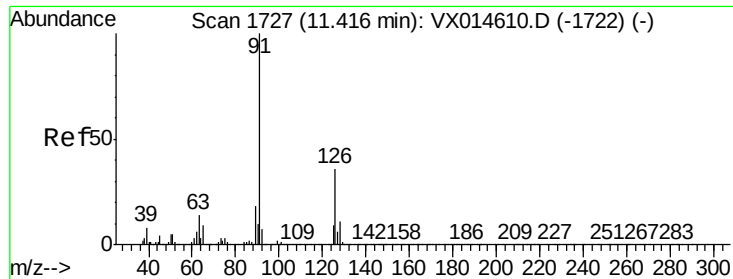
Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Tgt Ion:	91	Resp:	456937
Ion Ratio	Lower	Upper	
91	100		
120	23.3	0.0	44.8





#75

2-Chlorotoluene

Concen: 19.371 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBSD01

Tot Ion: 91 Resp: 270538

Ion Ratio Lower Upper

91 100

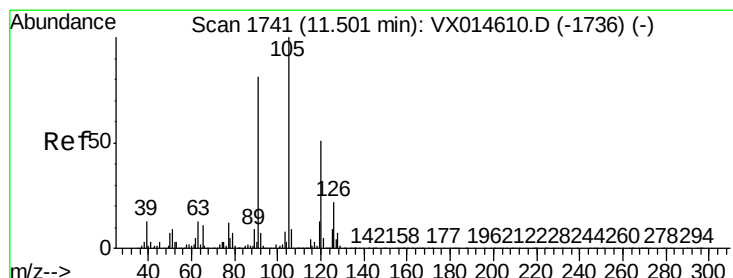
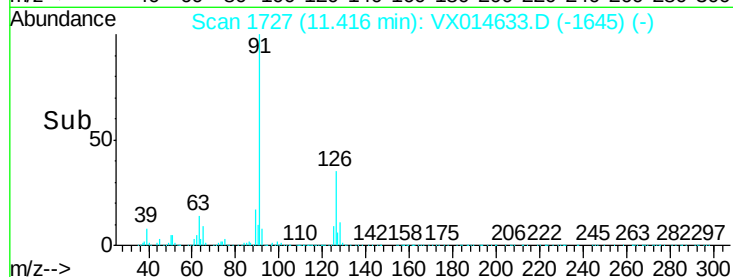
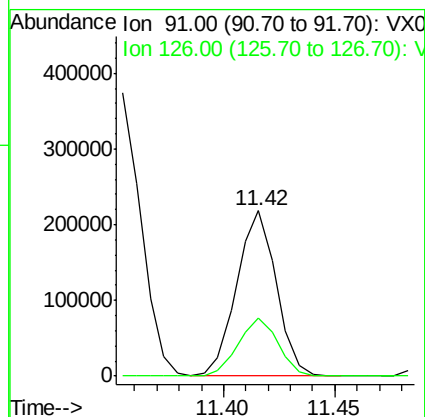
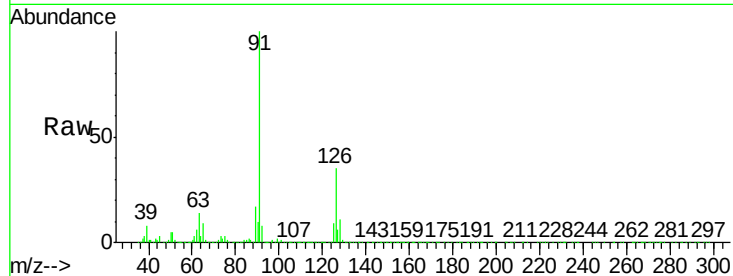
126 35.4 0.0 70.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.565 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014633.D

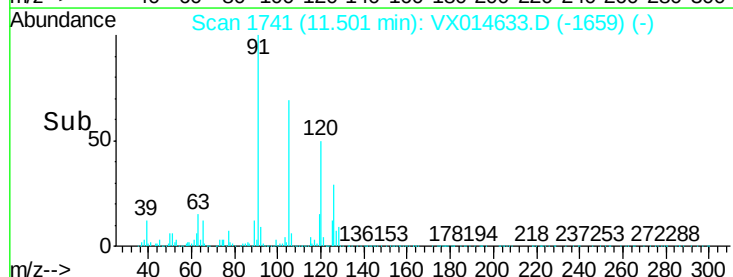
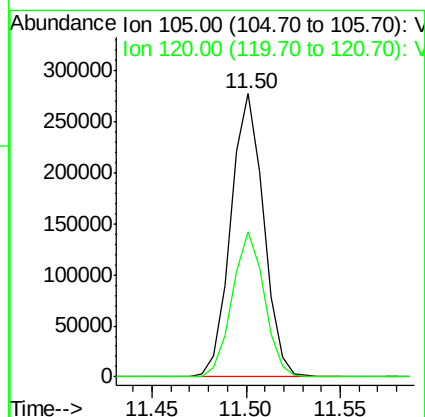
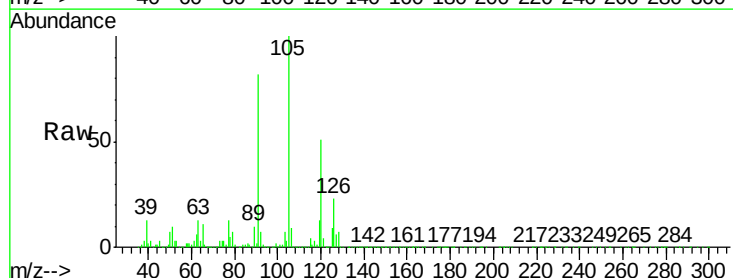
Acq: 16 Jan 2020 13:14

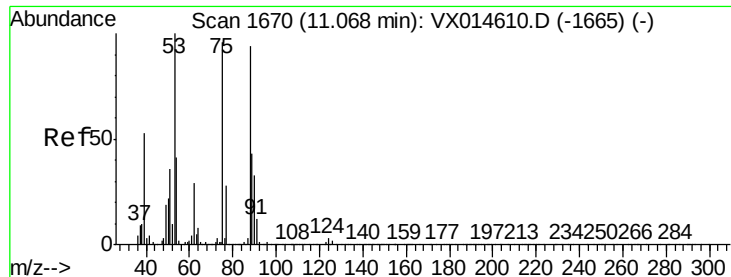
Tgt Ion: 105 Resp: 332456

Ion Ratio Lower Upper

105 100

120 50.3 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 18.736 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

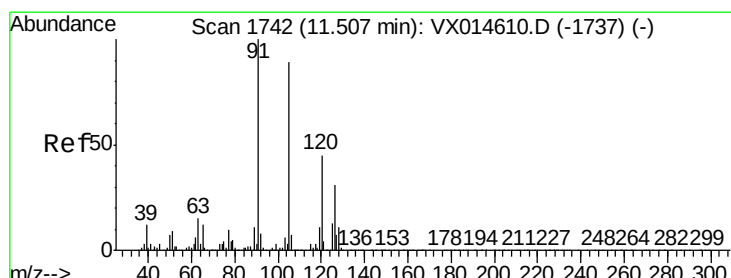
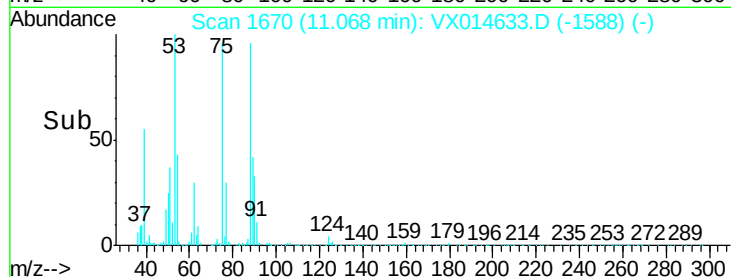
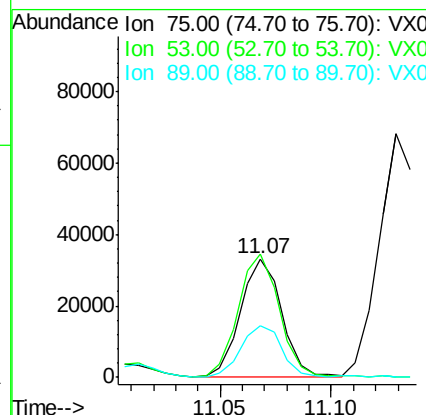
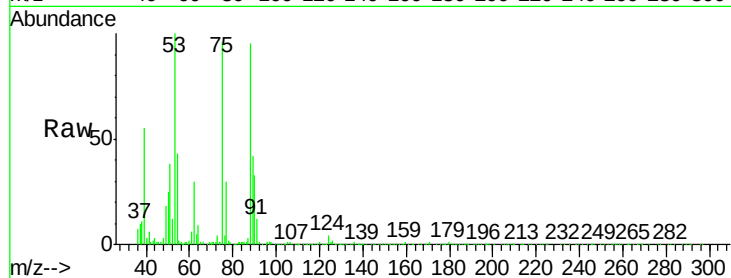
ClientSampleId :

VX0116WBSD01

Tot Ion:	75	Resp:	42370
Ion	Ratio	Lower	Upper
75	100		
53	104.0	54.4	163.1
89	43.1	21.9	65.5

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#78

4-Chlorotoluene

Concen: 19.448 ug/l

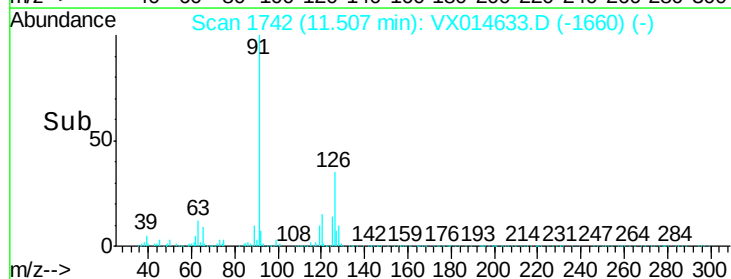
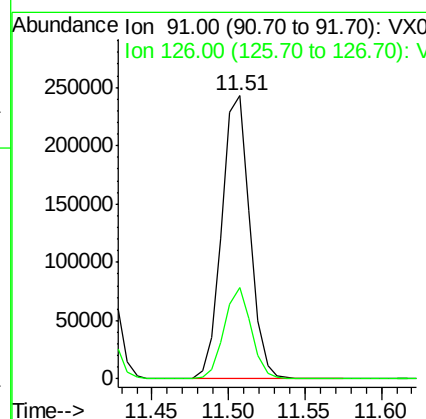
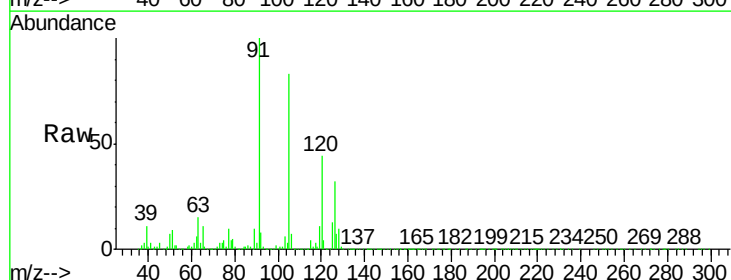
RT: 11.51 min Scan# 1742

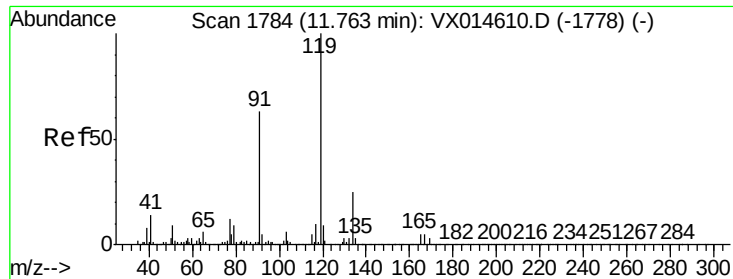
Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Tgt Ion:	91	Resp:	308459
Ion	Ratio	Lower	Upper
91	100		
126	30.7	0.0	59.6





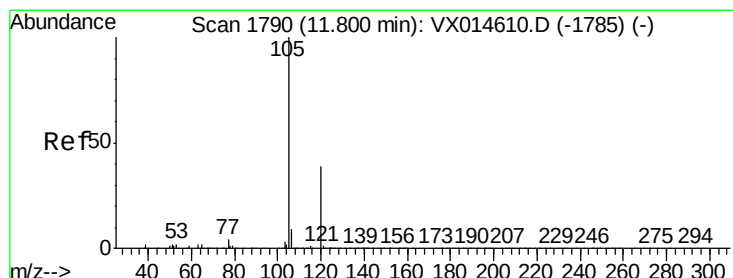
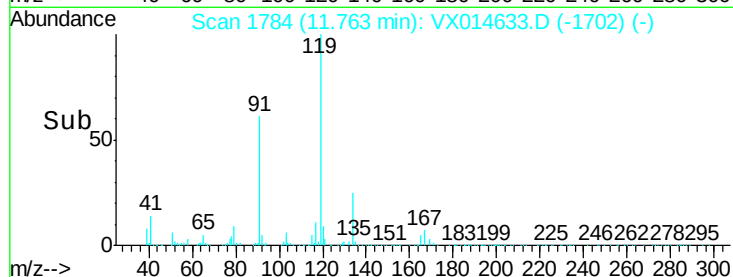
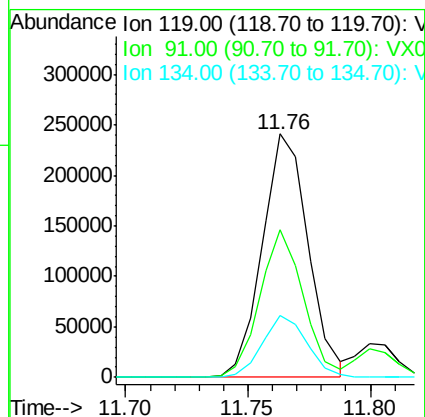
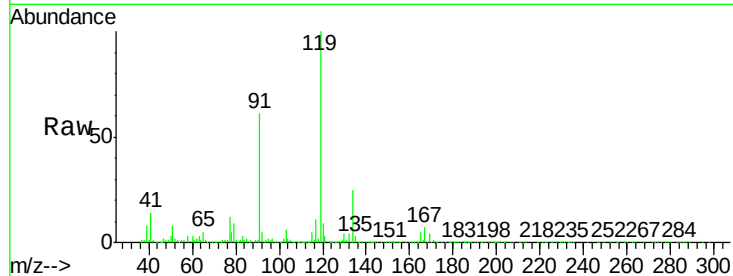
#79
tert-butylbenzene
Concen: 19.688 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0116WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	313044		
91	57.1	0.0	112.6	
134	24.7	0.0	49.8	

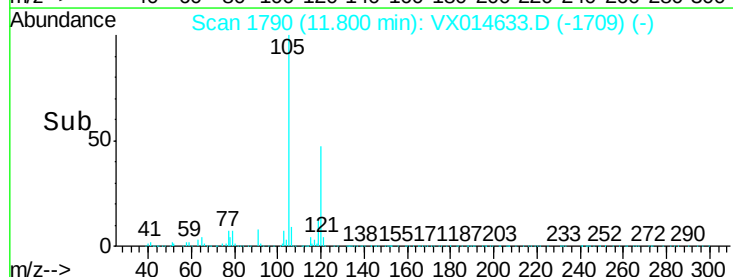
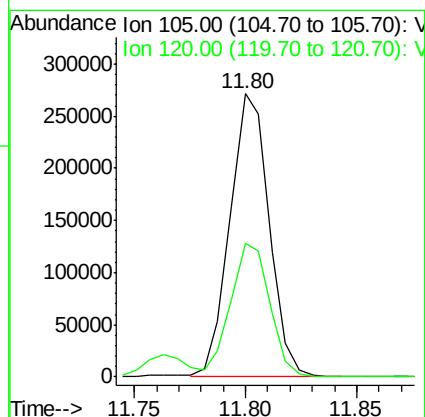
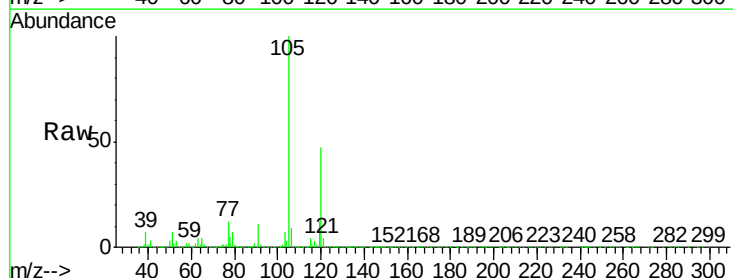
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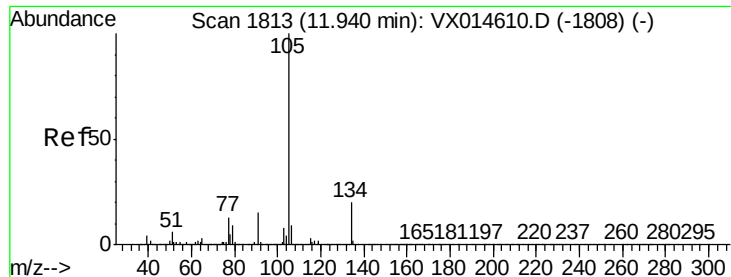
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#80
1,2,4-Trimethylbenzene
Concen: 19.566 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	331620		
120	47.3	0.0	92.0	





#81

sec-Butylbenzene

Concen: 19.618 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

ClientSampleId :

VX0116WBSD01

Tot Ion:105 Resp: 385980

Ion Ratio Lower Upper

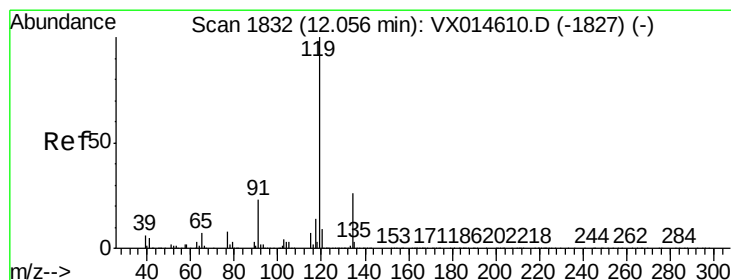
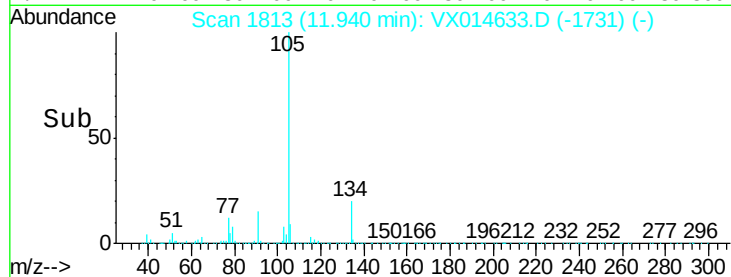
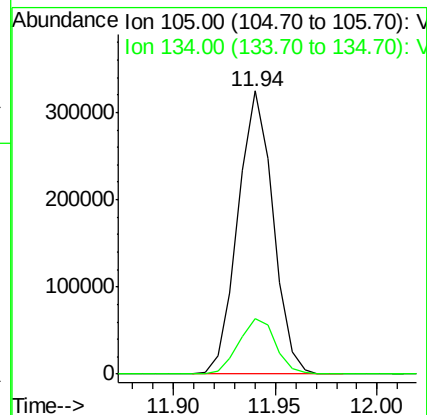
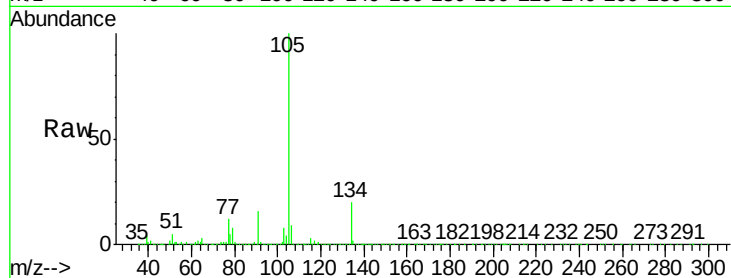
105 100

134 20.5 0.0 40.2

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#82

p-Isopropyltoluene

Concen: 19.683 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

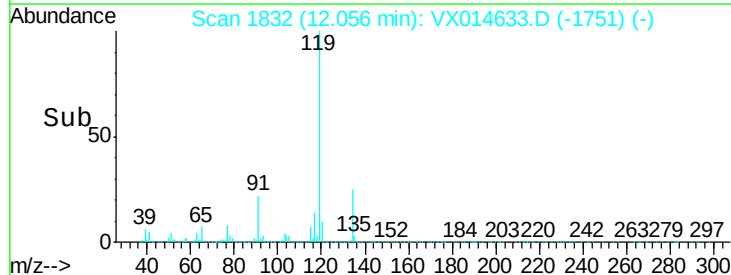
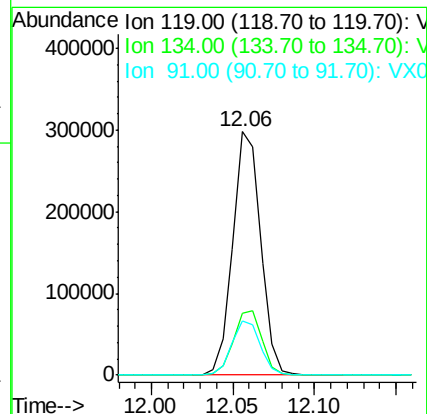
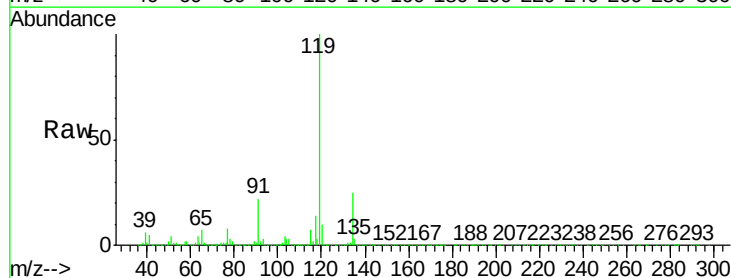
Tgt Ion:119 Resp: 353542

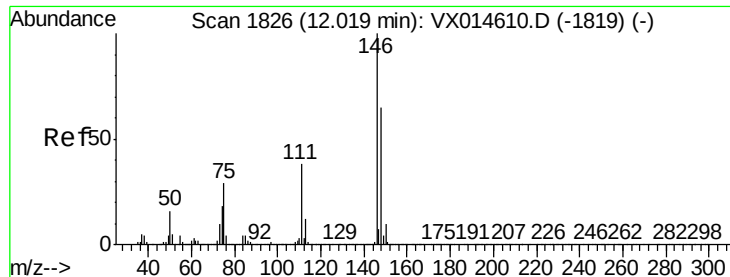
Ion Ratio Lower Upper

119 100

134 26.8 0.0 53.8

91 22.5 0.0 45.0





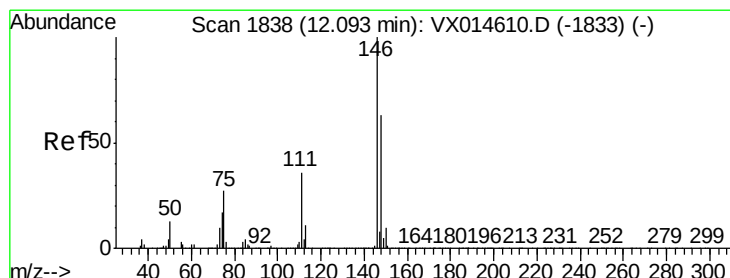
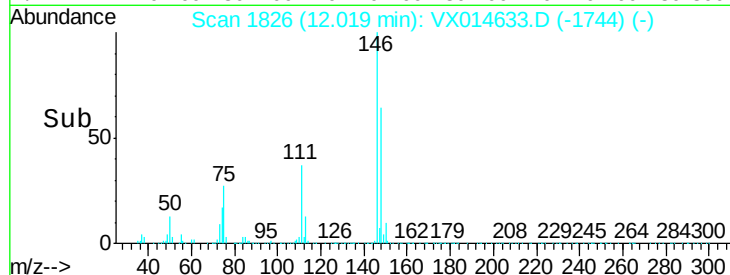
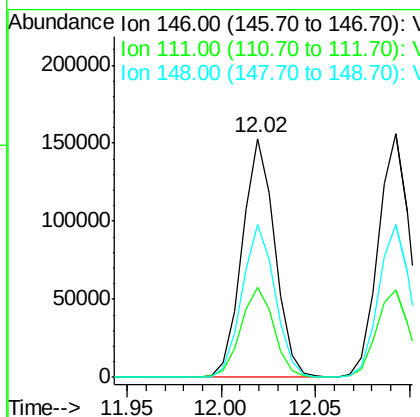
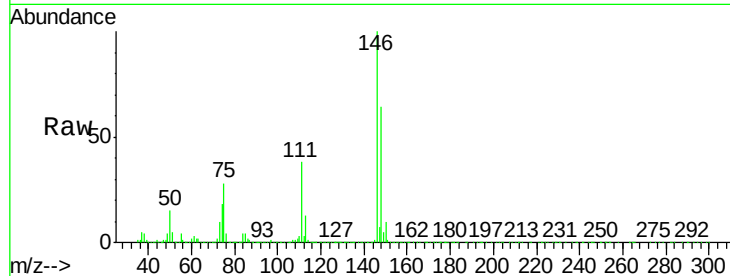
#83
 1,3-Dichlorobenzene
 Concen: 19.418 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014633.D
 Acq: 16 Jan 2020 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.3	57.9
148	64.6	32.2	96.6

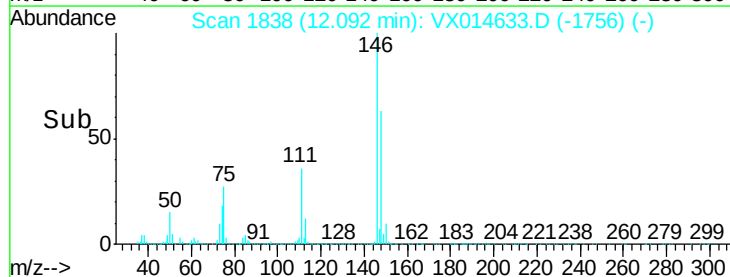
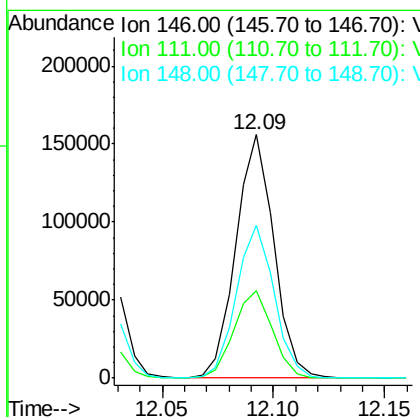
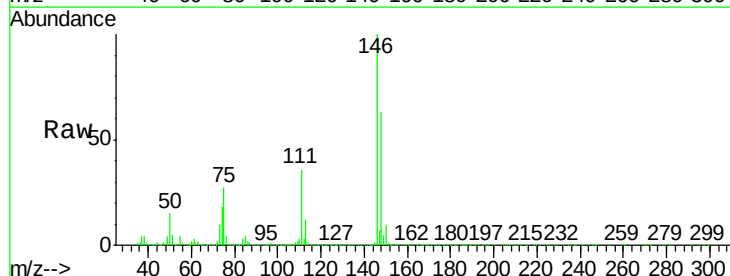
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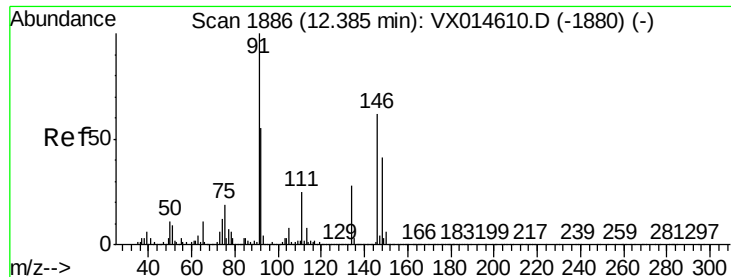
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#84
 1,4-Dichlorobenzene
 Concen: 19.694 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014633.D
 Acq: 16 Jan 2020 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.4	55.4
148	63.8	32.0	96.0





#85

n-Butylbenzene

Concen: 18.904 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

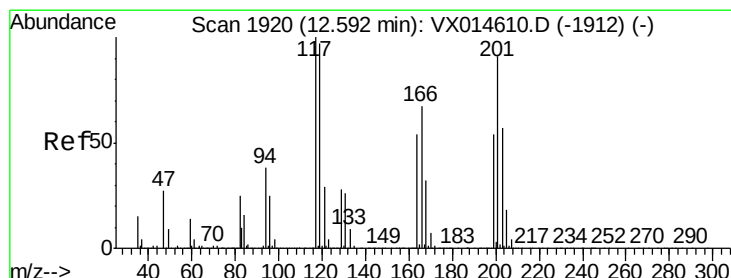
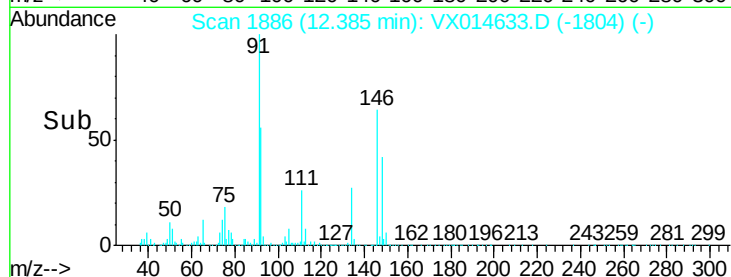
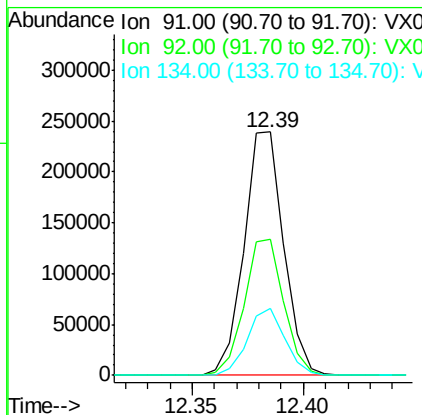
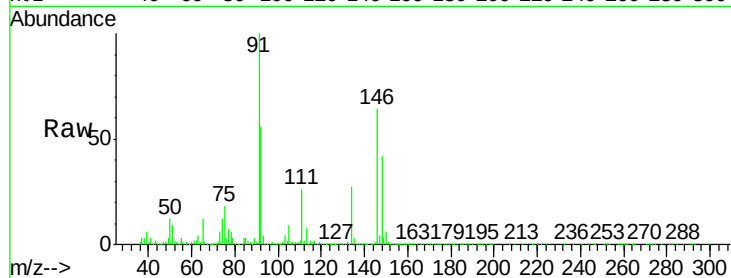
ClientSampleId :

VX0116WBSD01

Tot Ion:	91	Resp:	297081
Ion Ratio	Lower	Upper	
91	100		
92	55.5	0.0	109.0
134	26.1	0.0	54.0

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#86

Hexachloroethane

Concen: 18.301 ug/l

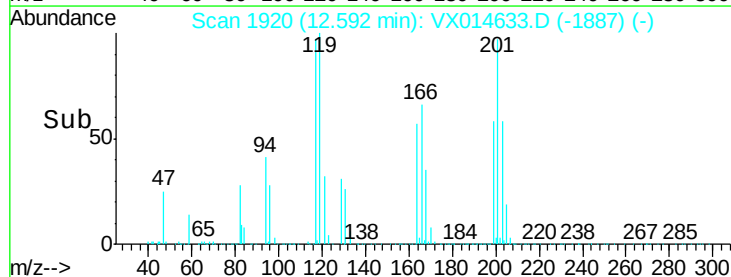
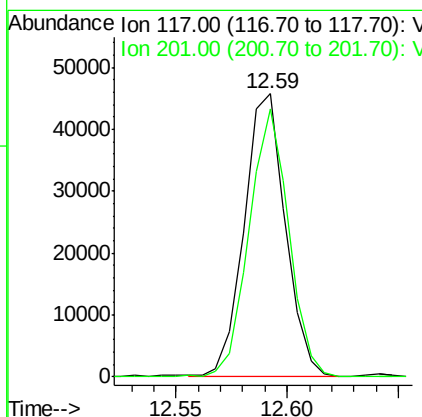
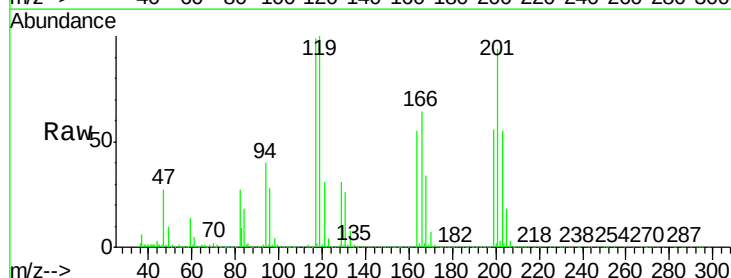
RT: 12.59 min Scan# 1920

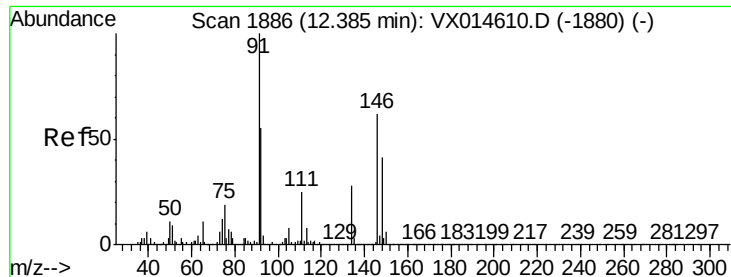
Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Tgt Ion:	117	Resp:	58945
Ion Ratio	Lower	Upper	
117	100		
201	91.1	44.8	134.3





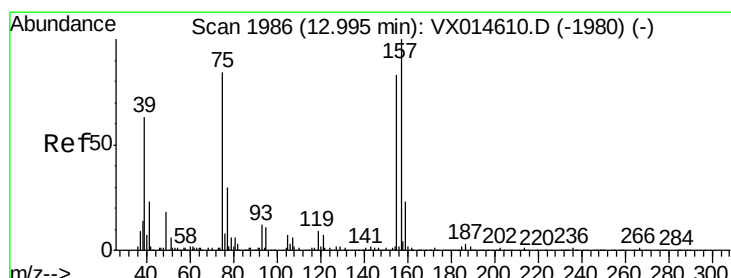
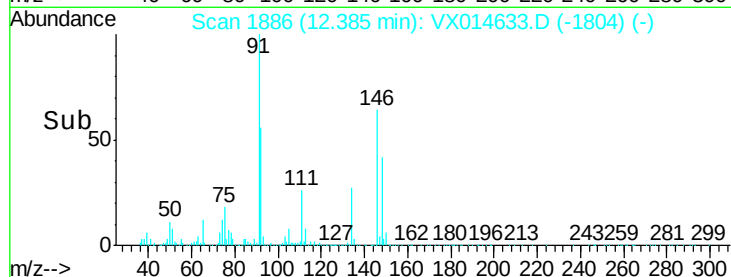
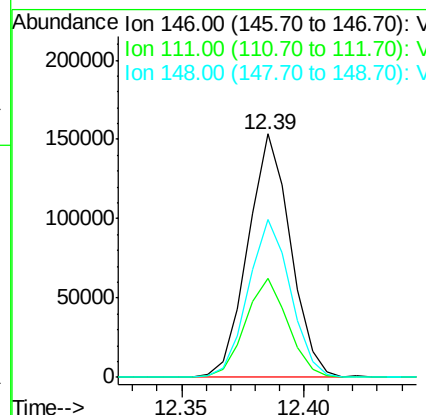
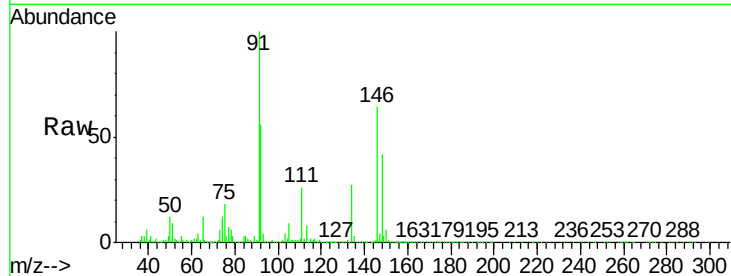
#87
 1,2-Dichlorobenzene
 Concen: 19.456 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014633.D
 Acq: 16 Jan 2020 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.1	60.2
148	64.8	32.0	96.2

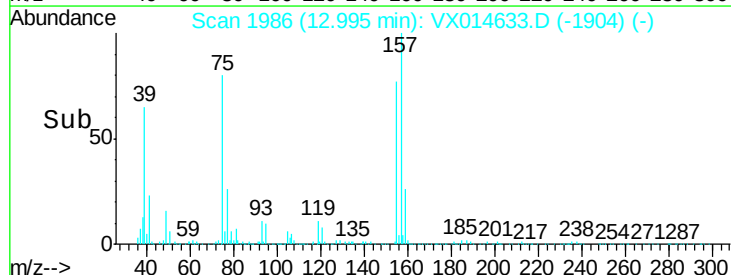
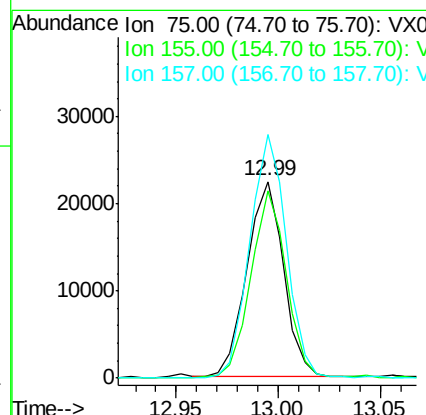
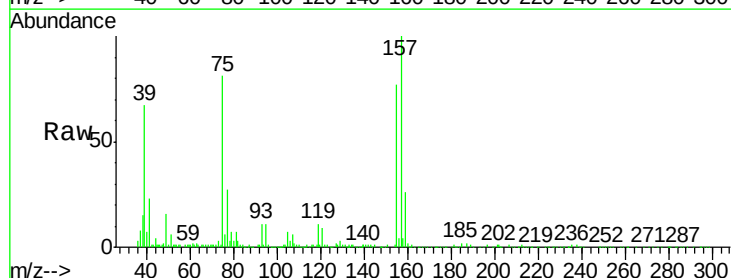
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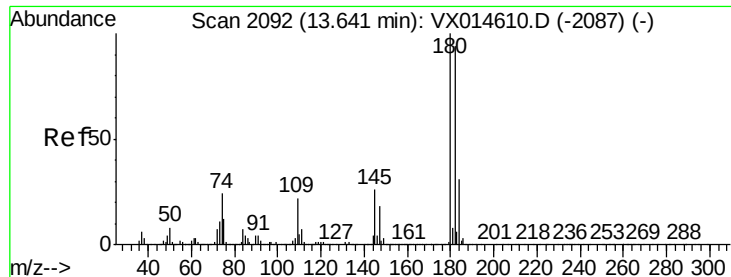
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.188 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014633.D
 Acq: 16 Jan 2020 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	73.8	110.6
157	123.7	95.0	142.4





#89

1,2,4-Trichlorobenzene

Concen: 19.510 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014633.D

Acq: 16 Jan 2020 13:14

Instrument :

MSVOA_X

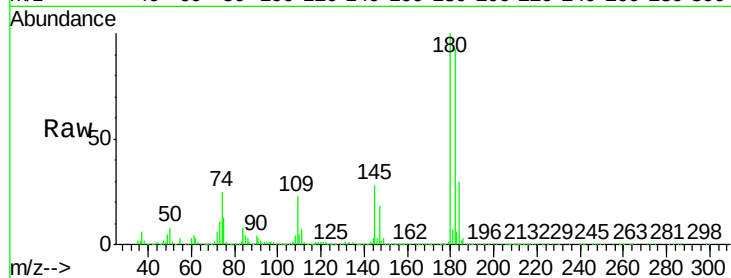
ClientSampleId :

VX0116WBSD01

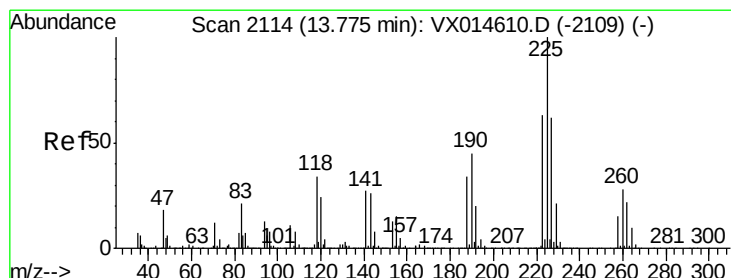
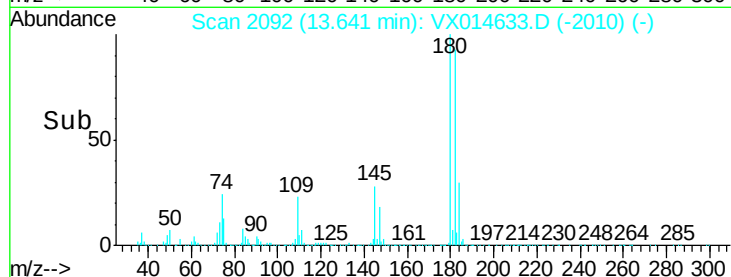
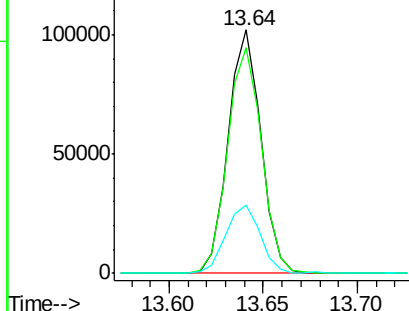
Tot Ion:	180	Resp:	122647
Ion Ratio	Lower	Upper	
180	100		
182	96.3	76.4	114.6
145	29.4	21.9	32.9

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Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 19.646 ug/l

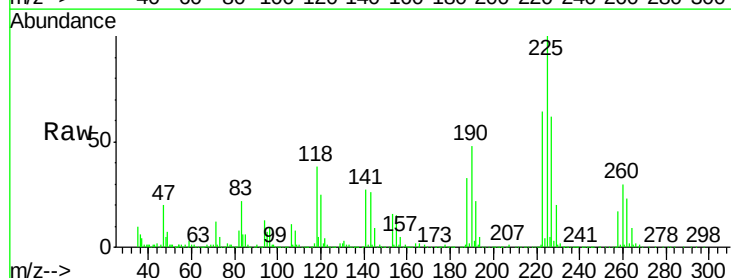
RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

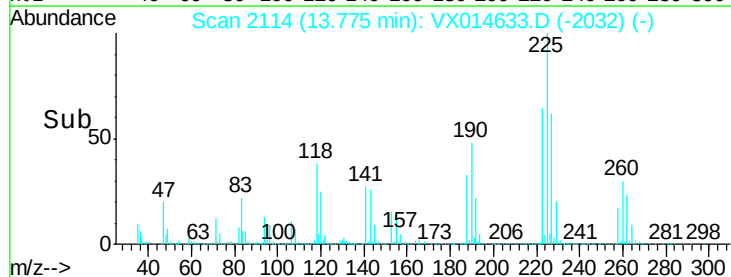
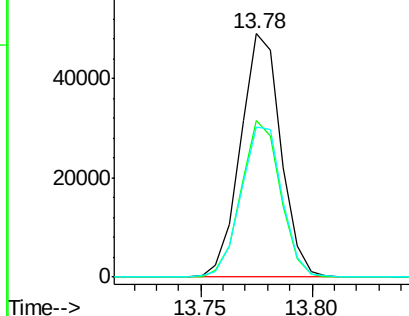
Lab File: VX014633.D

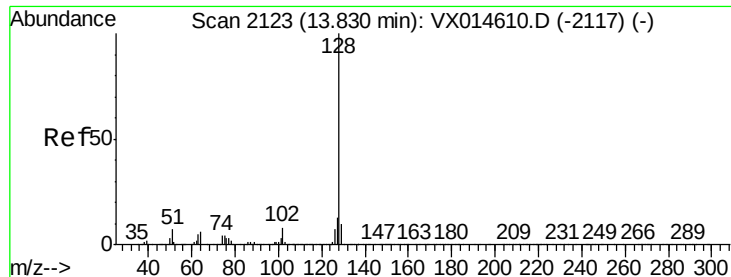
Acq: 16 Jan 2020 13:14

Tgt Ion:	225	Resp:	61711
Ion Ratio	Lower	Upper	
225	100		
223	63.2	0.0	127.4
227	63.3	0.0	122.8



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





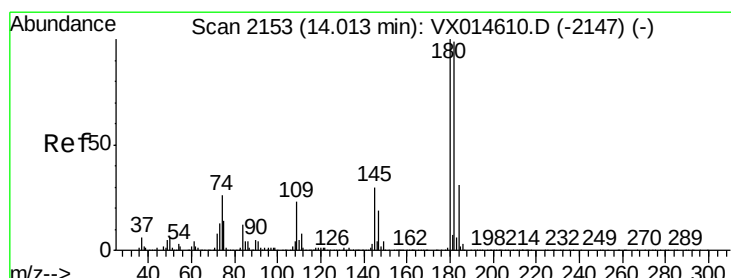
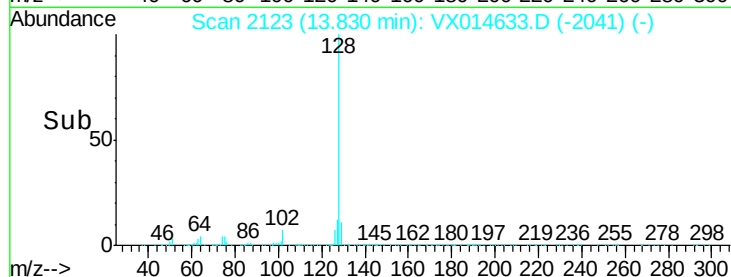
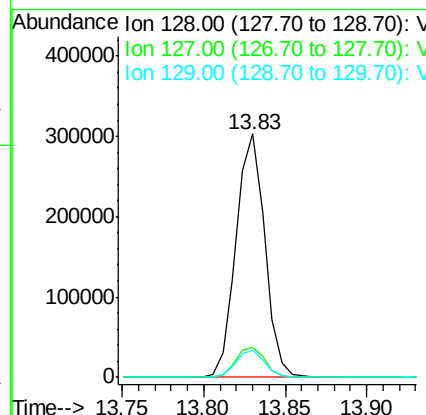
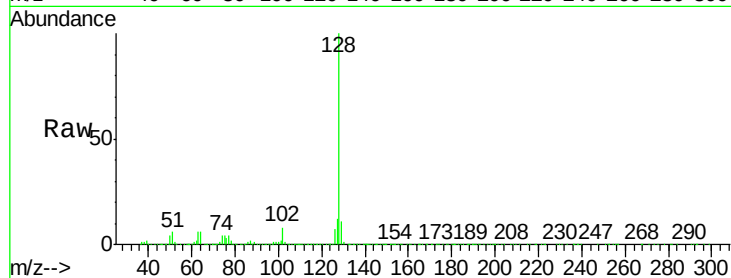
#91
Naphthalene
Concen: 19.628 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0116WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 19.358 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014633.D
Acq: 16 Jan 2020 13:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	0.0	192.8
145	30.6	0.0	60.0

