

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX003002.D
 Acq On : 28 Jun 2018 22:45
 Operator : JC/MD
 Sample : VX0628WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0628WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 12:22:50 PM

Quant Time: Jun 29 05:57:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	49802	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	270826	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	254614	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	114592	30.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.43%
60) 4-Bromofluorobenzene	11.14	95	123989	29.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.27%
63) Toluene-d8	8.72	98	330864	29.75	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.17%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	47341	19.92	ug/l	100
3) Chloromethane	1.32	50	50264	19.48	ug/l	99
4) Vinyl Chloride	1.40	62	54677	19.02	ug/l #	83
5) Bromomethane	1.64	94	24987	14.88	ug/l	99
6) Chloroethane	1.72	64	35259	18.23	ug/l	99
7) Trichlorofluoromethane	1.93	101	93840	18.36	ug/l	99
8) Diethyl Ether	2.19	74	34421	18.89	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	52183	17.84	ug/l	97
10) 1,1-Dichloroethene	2.37	96	47826	18.58	ug/l	98
11) Methyl Iodide	2.51	142	40344	13.61	ug/l	99
12) Methyl Acetate	2.78	43	95091	22.76	ug/l	99
13) Acrolein	2.30	56	28479	95.87	ug/l	100
14) Acrylonitrile	3.15	53	155968	99.25	ug/l	99
15) Acetone	2.45	58	41592	95.22	ug/l	99
16) Carbon Disulfide	2.57	76	120986	18.77	ug/l	100
17) Allyl chloride	2.73	41	94383	18.42	ug/l	97
18) Methylene Chloride	2.86	84	55619	18.87	ug/l	100
19) trans-1,2-Dichloroethene	3.17	96	51853	18.78	ug/l	99
20) Diisopropyl ether	3.88	45	195156	20.44	ug/l	98
21) 1,1-Dichloroethane	3.70	63	104965	20.45	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	63496	21.40	ug/l	81
23) tert-Butyl Alcohol	3.08	59	72716	101.92	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	181432	18.87	ug/l	97
25) Chloroform	5.22	83	107489	20.86	ug/l	99
26) Cyclohexane	5.57	56	82083	18.82	ug/l #	97
29) 1,1-Dichloropropene	5.80	75	74681	20.42	ug/l	99
30) 2-Butanone	4.71	43	228063	108.98	ug/l	96
31) 2,2-Dichloropropane	4.59	77	61958	15.85	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	94423	21.37	ug/l	98
33) Carbon Tetrachloride	5.79	117	82075	20.67	ug/l	95
34) Benzene	6.15	78	224682	20.74	ug/l	99
35) Methacrylonitrile	5.07	41	49614	21.77	ug/l	92
36) 1,2-Dichloroethane	6.20	62	90255	21.22	ug/l	99
37) Trichloroethene	7.21	130	65711	20.71	ug/l	95
38) Methylcyclohexane	7.46	83	77485	17.41	ug/l	99
39) 1,2-Dichloropropane	7.52	63	58910	20.85	ug/l	97
40) Dibromomethane	7.67	93	41067	20.92	ug/l	97

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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	76758	20.82	ug/l	98
42) Vinyl Acetate	3.83	43	786978	99.15	ug/l	100
43) Ethyl Acetate	4.87	43	88045	22.00	ug/l	100
44) Isopropyl Acetate	6.47	43	141806	21.14	ug/l	100
45) 1,4-Dioxane	7.76	88	29333	446.47	ug/l #	85
46) Methyl methacrylate	7.78	41	72638	21.20	ug/l	98
47) n-amyl Acetate	10.90	43	121446	19.19	ug/l #	90
48) t-1,3-Dichloropropene	8.44	75	83063	19.19	ug/l	100
49) cis-1,3-Dichloropropene	9.05	75	77166	19.09	ug/l	98
50) 1,1,2-Trichloroethane	9.22	97	61236	21.15	ug/l	97
51) Ethyl methacrylate	9.18	69	90415	20.69	ug/l	94
52) 1,3-Dichloropropane	9.38	76	99728	21.09	ug/l	99
53) Dibromochloromethane	9.59	129	63093	20.53	ug/l	100
54) 1,2-Dibromoethane	9.68	107	63069	20.67	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	52299	25.19	ug/l	99
56) Bromoform	10.86	173	49012	19.97	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	469366	108.58	ug/l	97
59) 2-Hexanone	9.50	43	356558	107.90	ug/l	99
61) Tetrachloroethene	9.34	164	74788	21.40	ug/l	96
62) Toluene	8.79	91	253444	20.65	ug/l	99
64) Chlorobenzene	10.14	112	167157	20.50	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	61968	20.73	ug/l	99
66) Ethyl Benzene	10.26	91	277572	20.08	ug/l	99
67) m/p-Xylenes	10.37	106	216883	40.38	ug/l	97
68) o-Xylene	10.70	106	104891	20.04	ug/l	98
69) Styrene	10.71	104	175866	20.14	ug/l	98
70) Isopropylbenzene	11.02	105	281833	19.53	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	93026	21.56	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	87683m	23.45	ug/l	
73) Bromobenzene	11.26	156	79973	19.93	ug/l	95
74) n-propylbenzene	11.37	91	311584	18.60	ug/l	99
75) 2-Chlorotoluene	11.43	91	193762	19.88	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	233662	19.07	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	19365	16.10	ug/l	87
78) 4-Chlorotoluene	11.51	91	224170	19.41	ug/l	97
79) tert-butylbenzene	12.07	119	237287	17.56	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	237576	18.99	ug/l	98
81) sec-Butylbenzene	11.95	105	268016	17.88	ug/l	100
82) p-Isopropyltoluene	12.07	119	237287	17.56	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	143490	19.43	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	144971	19.44	ug/l	99
85) n-Butylbenzene	12.39	91	195429	16.31	ug/l	98
86) Hexachloroethane	12.60	117	33061	16.14	ug/l	97
87) 1,2-Dichlorobenzene	12.40	146	147225	19.74	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	19471	20.21	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	99436	17.66	ug/l	99
90) Hexachlorobutadiene	13.79	225	49362	16.84	ug/l	100
91) Naphthalene	13.84	128	303511	20.34	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	105982	18.92	ug/l	99

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ClientSampleId :
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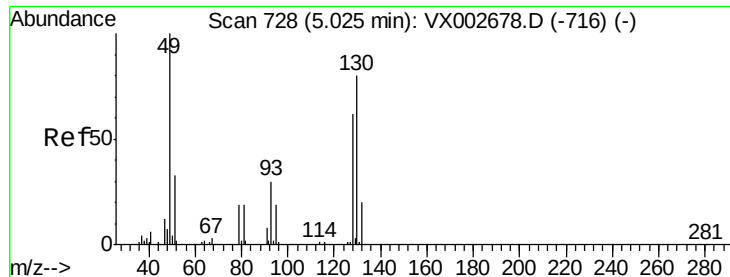
Manual Integrations
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6/29/2018 12:22:50 PM

Quant Time: Jun 29 05:57:03 2018
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QLast Update : Mon Jun 18 15:18:02 2018
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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: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

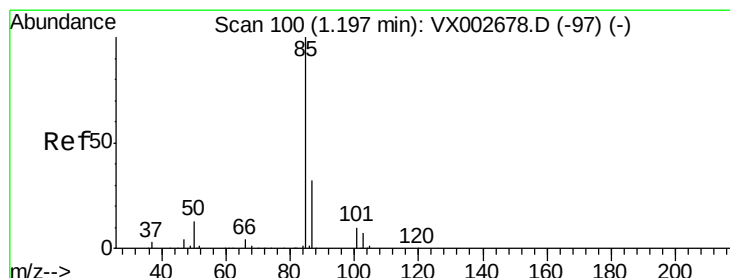
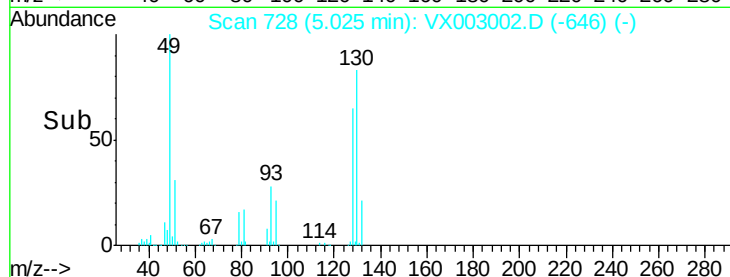
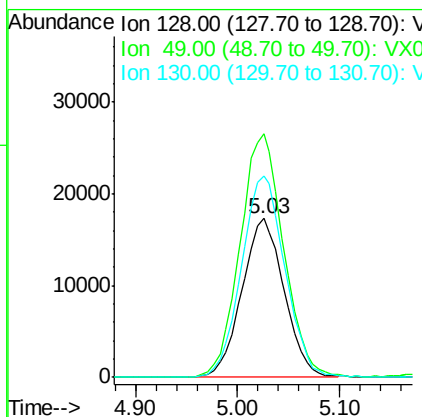
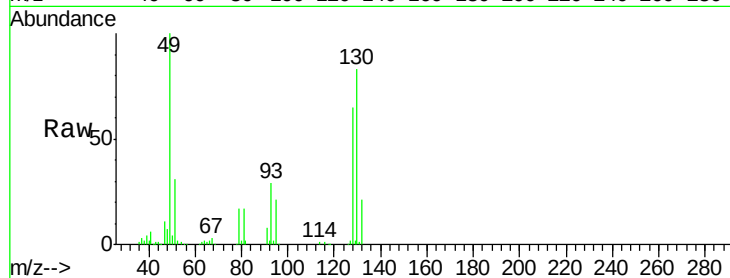
ClientSampleId :

VX0628WBSD02

Tot Ion:	128	Resp:	49802
Ion	Ratio	Lower	Upper
128	100		
49	157.1	0.0	423.0
130	130.9	0.0	324.3

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#2

Dichlorodifluoromethane

Concen: 19.92 ug/l

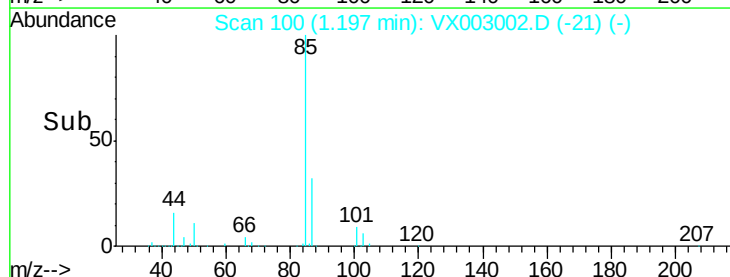
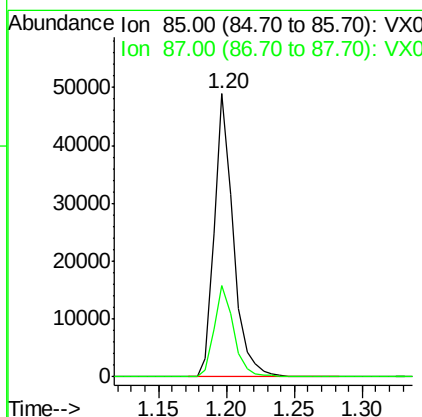
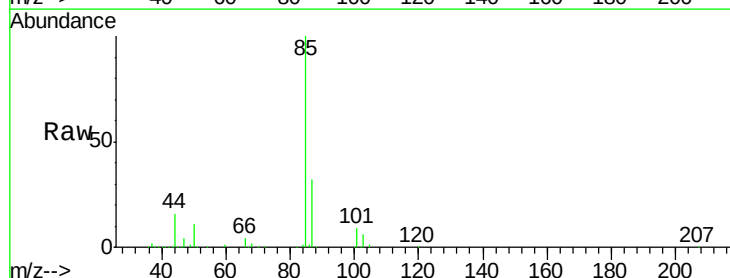
RT: 1.20 min Scan# 100

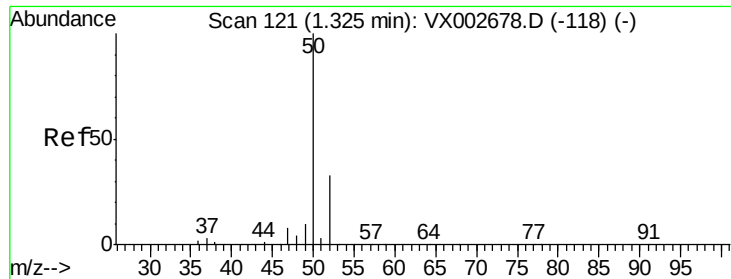
Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Tgt Ion:	85	Resp:	47341
Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.2	48.5





#3

Chloromethane

Concen: 19.48 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD02

Tot Ion: 50 Resp: 50264

Ion Ratio Lower Upper

50 100

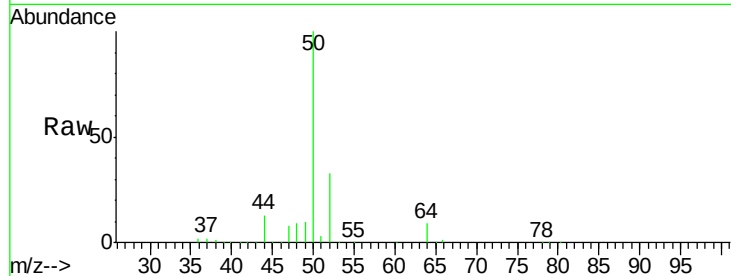
52 32.6 25.6 38.4

Manual Integrations

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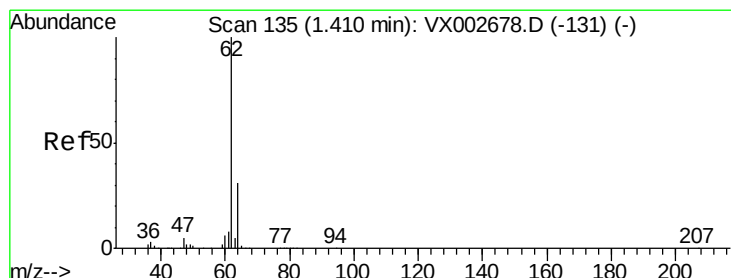
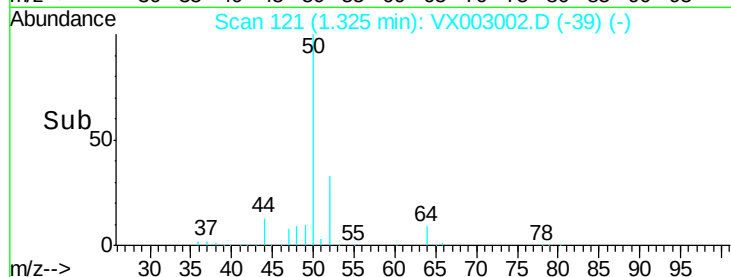
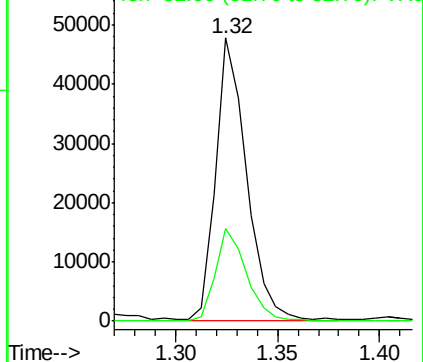
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 19.02 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX003002.D

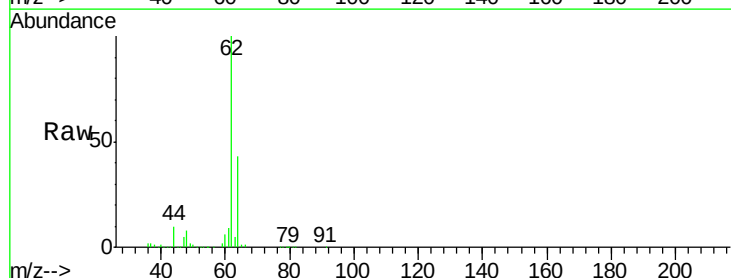
Acq: 28 Jun 2018 22:45

Tgt Ion: 62 Resp: 54677

Ion Ratio Lower Upper

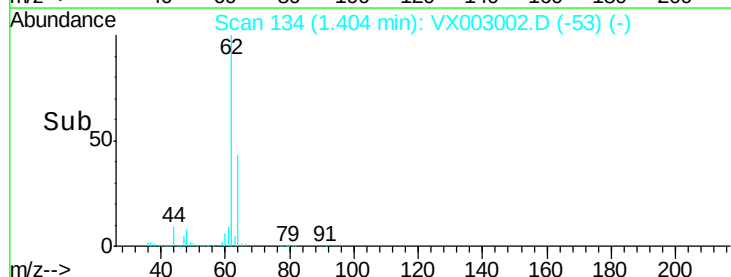
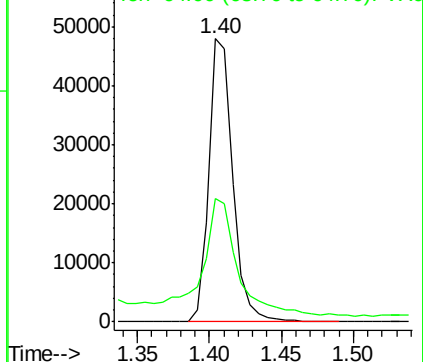
62 100

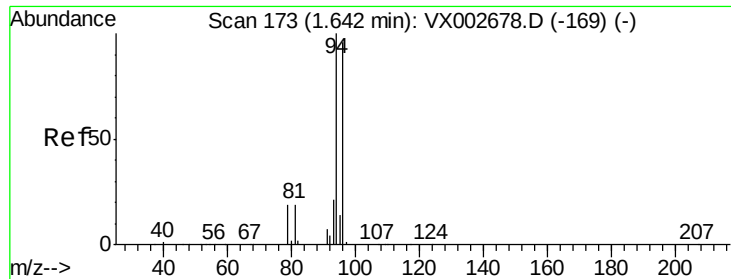
64 41.0 25.3 37.9#



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 14.88 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD02

Tot Ion: 94 Resp: 24987

Ion Ratio Lower Upper

94 100

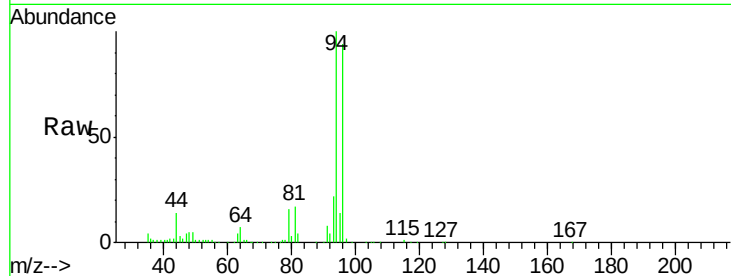
96 94.0 75.7 113.5

Manual Integrations

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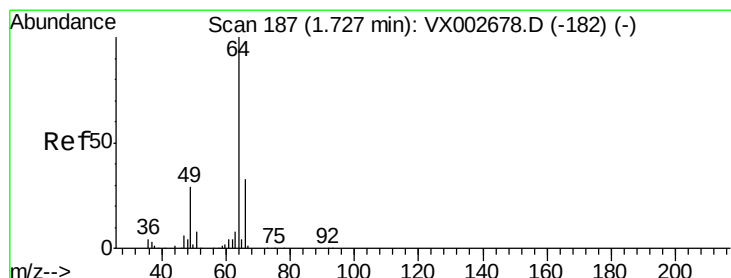
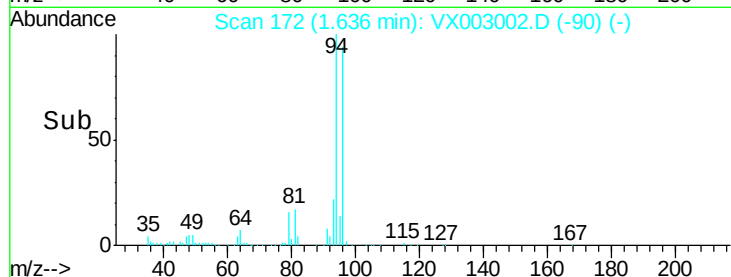
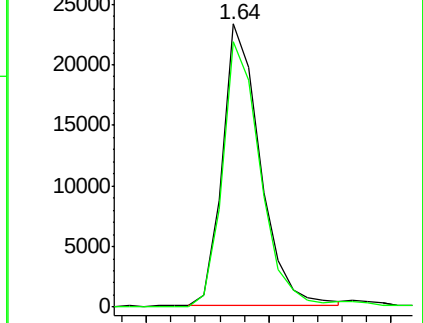
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 18.23 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003002.D

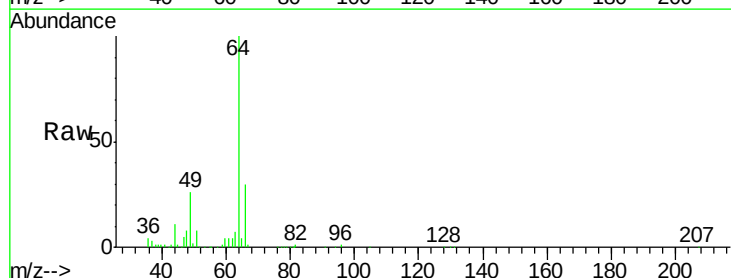
Acq: 28 Jun 2018 22:45

Tgt Ion: 64 Resp: 35259

Ion Ratio Lower Upper

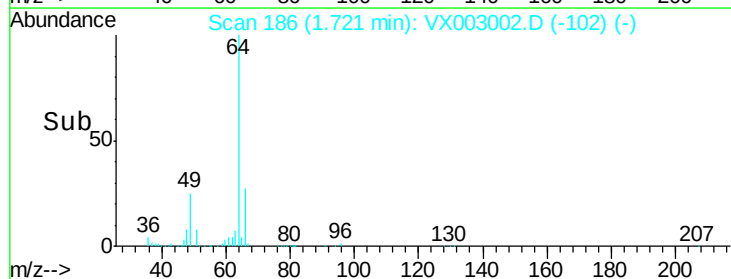
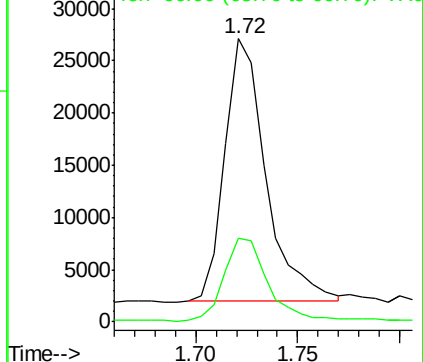
64 100

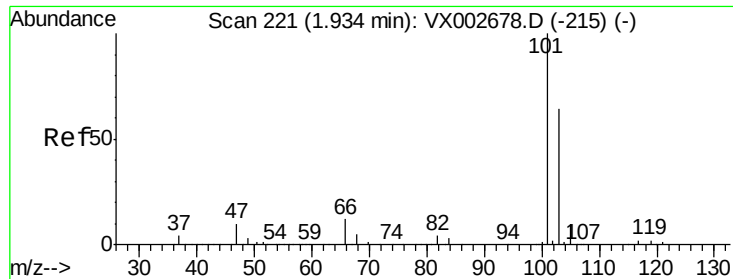
66 31.0 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

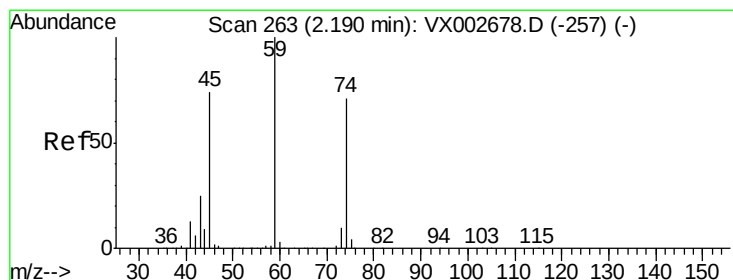
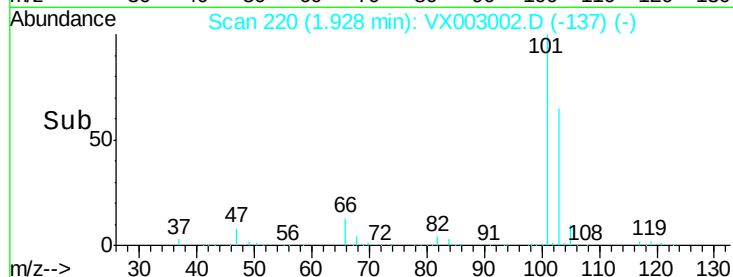
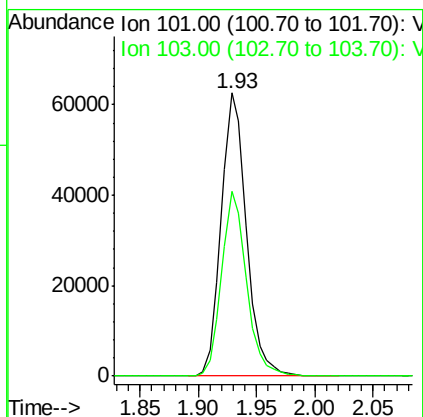
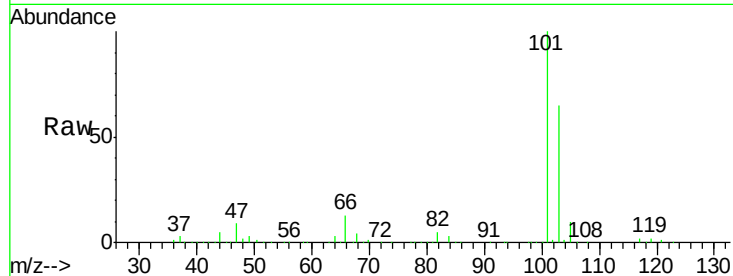
Trichlorofluoromethane
Concen: 18.36 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD02

Tot Ion:101 Resp: 93840
Ion Ratio Lower Upper
101 100
103 65.4 51.5 77.3

Manual Integrations
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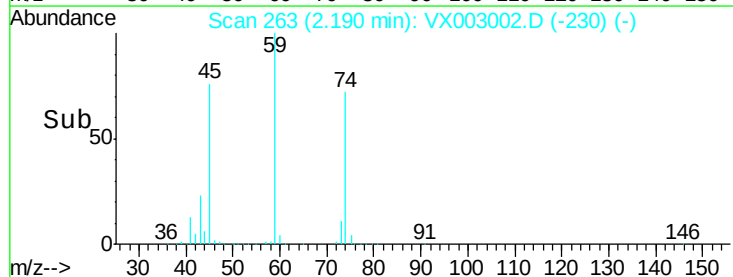
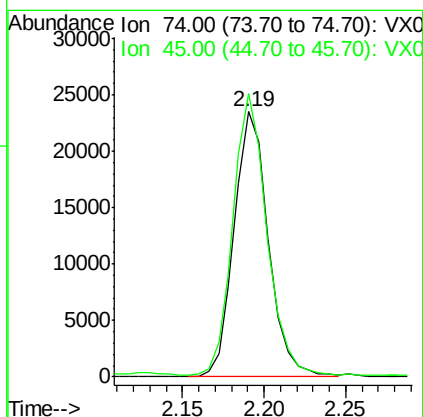
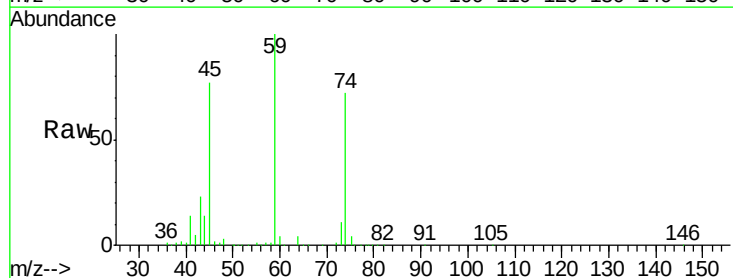
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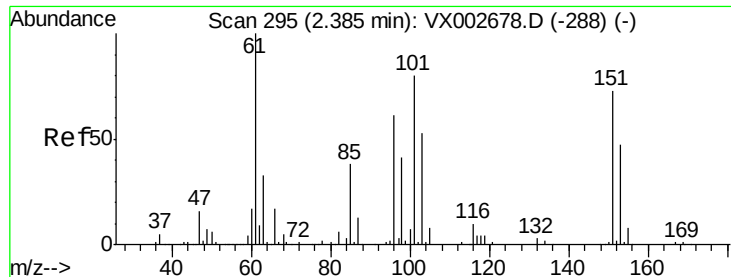


#8

Diethyl Ether
Concen: 18.89 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Tgt Ion: 74 Resp: 34421
Ion Ratio Lower Upper
74 100
45 104.3 20.5 184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.84 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

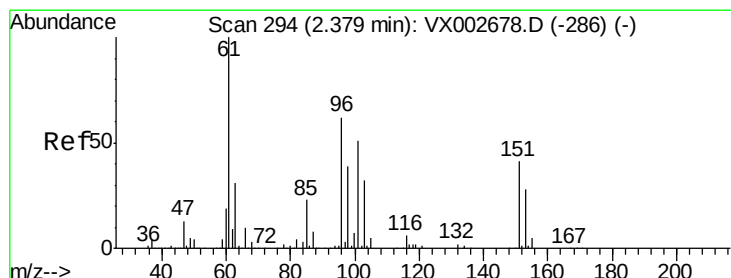
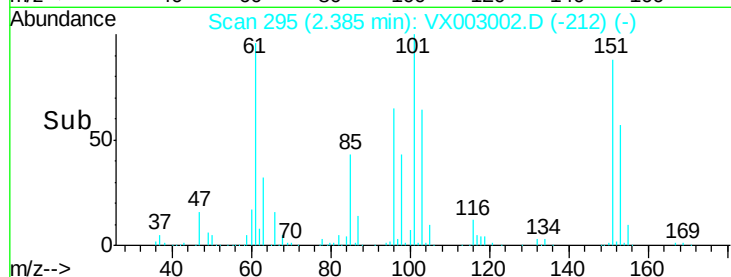
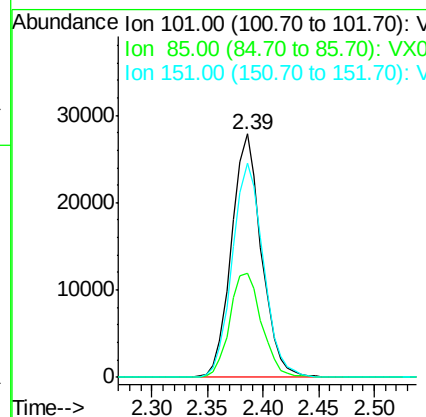
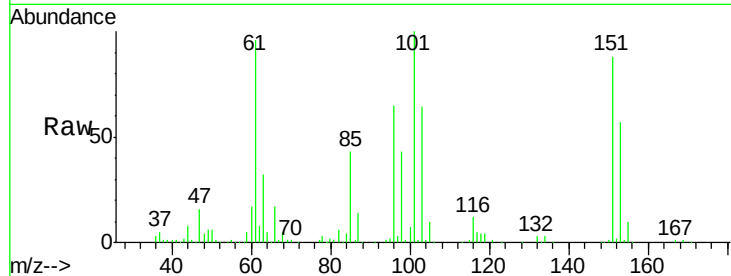
ClientSampled :

VX0628WBSD02

Tot Ion:	101	Resp:	52183
Ion Ratio	Lower	Upper	
101	100		
85	45.1	0.0	87.0
151	91.5	0.0	177.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 18.58 ug/l

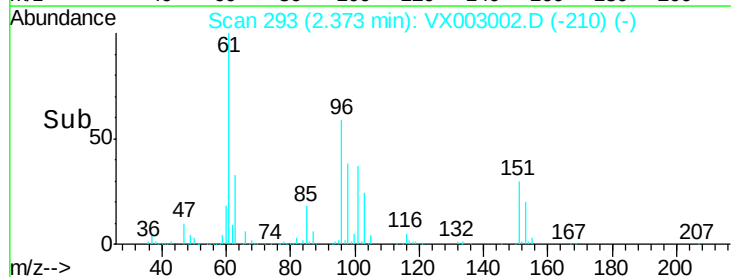
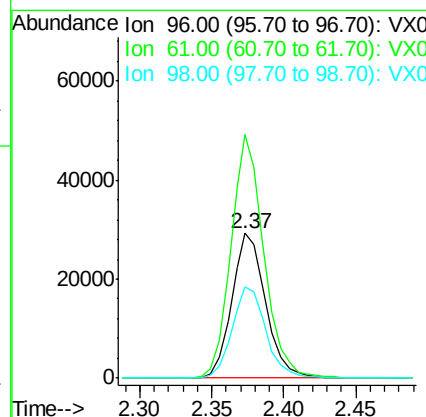
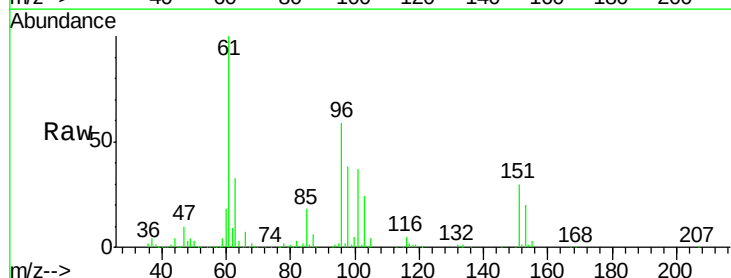
RT: 2.37 min Scan# 293

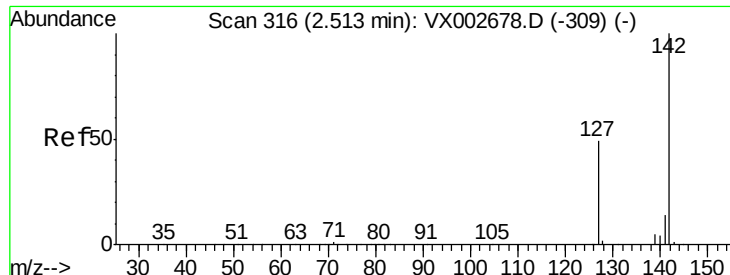
Delta R.T. 0.01 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Tgt Ion:	96	Resp:	47826
Ion Ratio	Lower	Upper	
96	100		
61	168.0	137.5	206.3
98	63.4	51.4	77.2





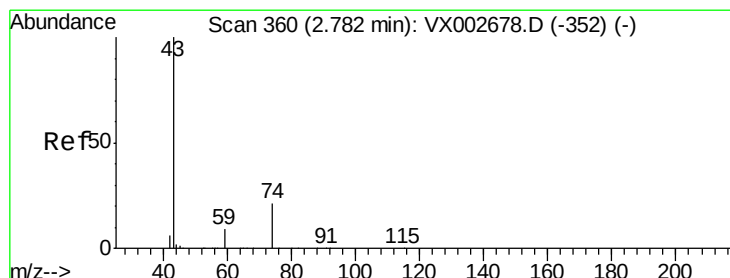
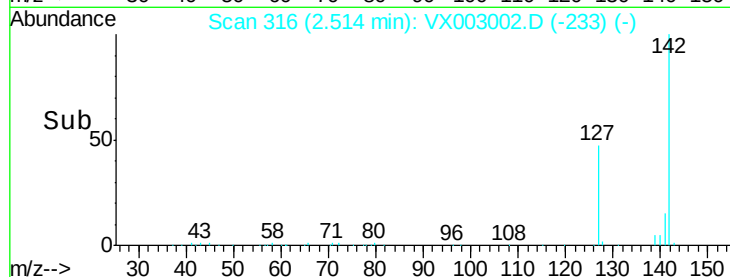
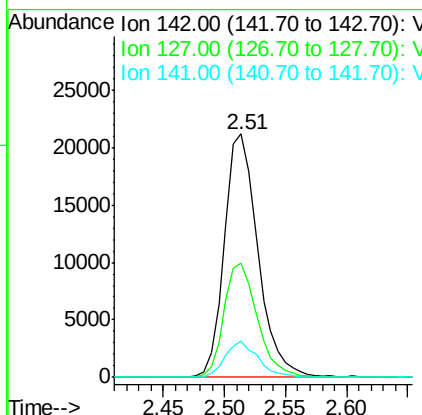
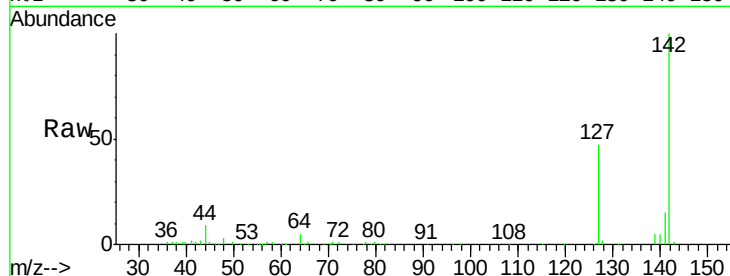
#11
Methyl Iodide
Concen: 13.61 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD02

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.8	23.2	69.6
141	15.0	7.4	22.2

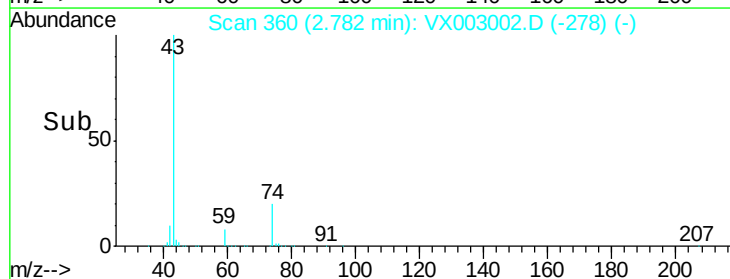
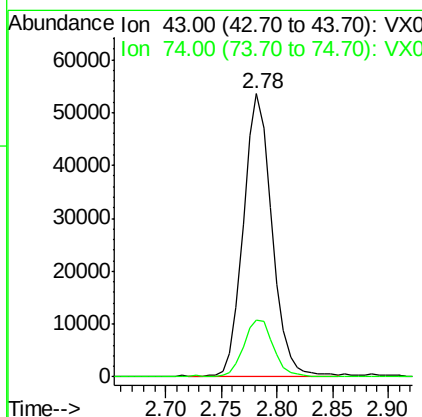
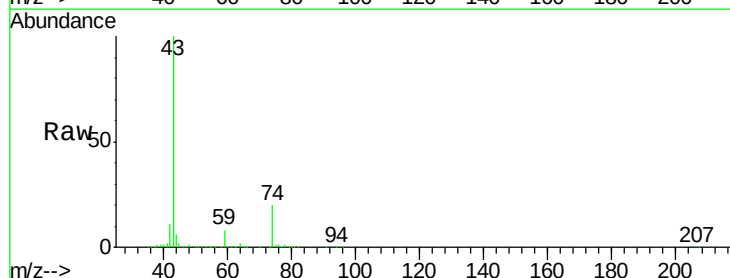
Manual Integrations
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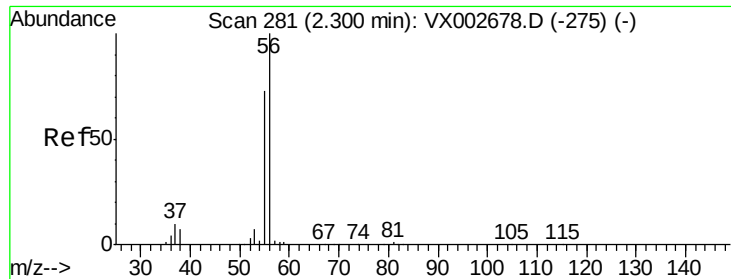
MMDadoda
6/29/2018 12:22:50 PM



#12
Methyl Acetate
Concen: 22.76 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	16.4	24.6





#13

Acrolein

Concen: 95.87 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD02

Tot Ion: 56 Resp: 28479

Ion Ratio Lower Upper

56 100

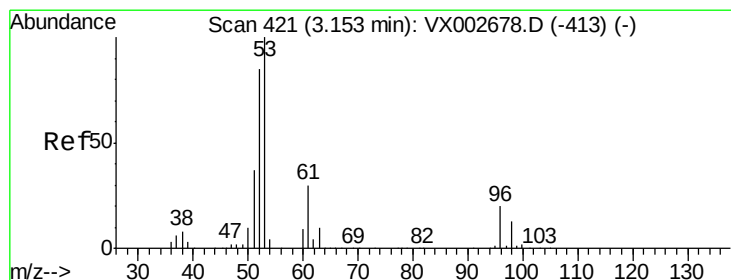
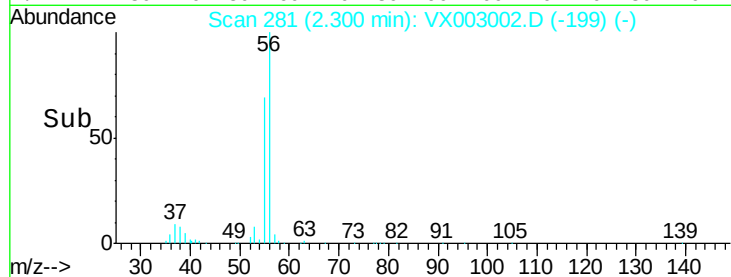
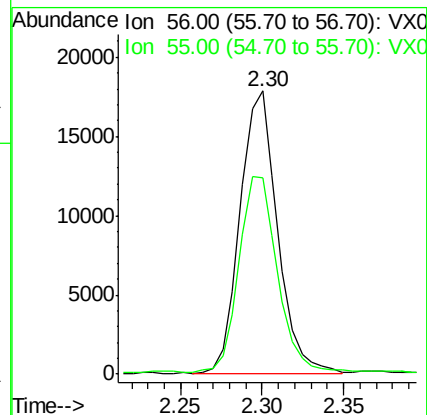
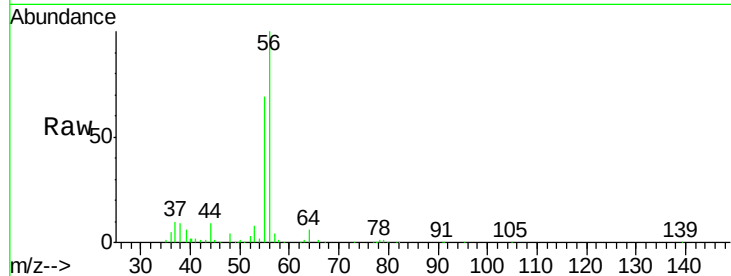
55 71.8 57.3 85.9

Manual Integrations

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#14

Acrylonitrile

Concen: 99.25 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

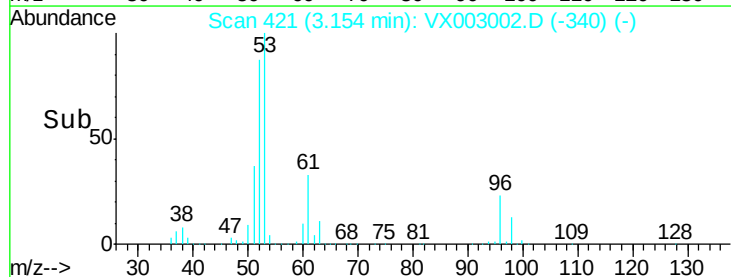
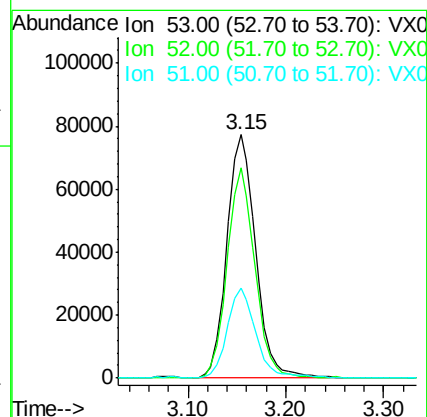
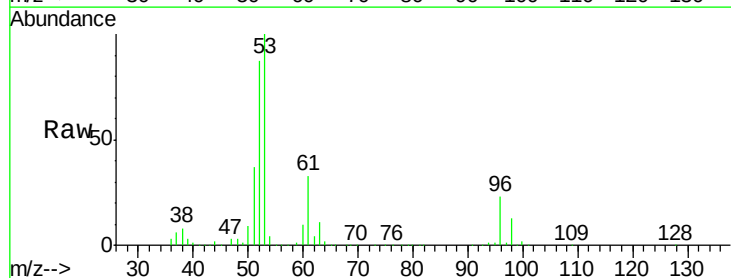
Tgt Ion: 53 Resp: 155968

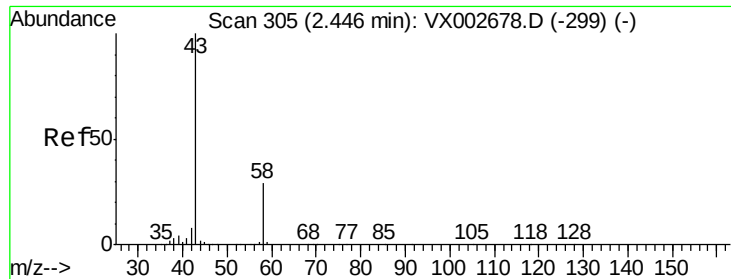
Ion Ratio Lower Upper

53 100

52 84.3 41.5 124.6

51 37.0 17.9 53.8





#15

Acetone

Concen: 95.22 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.01 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Tot Ion: 58 Resp: 41592

Ion Ratio Lower Upper

58 100

43 351.0 278.8 418.2

Instrument :

MSVOA_X

ClientSampleId :

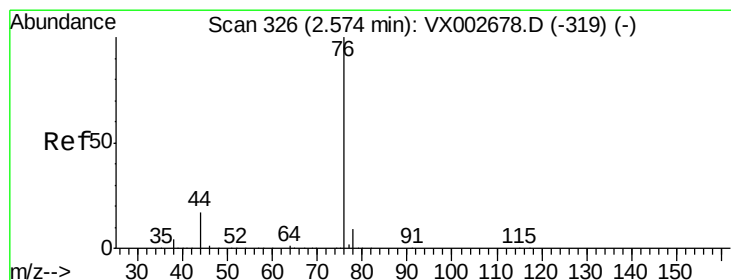
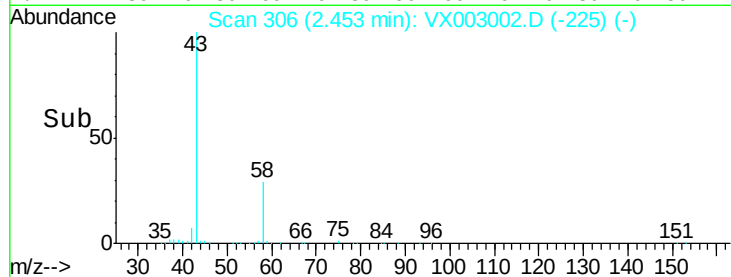
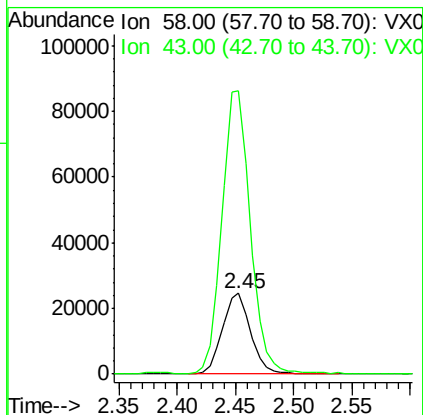
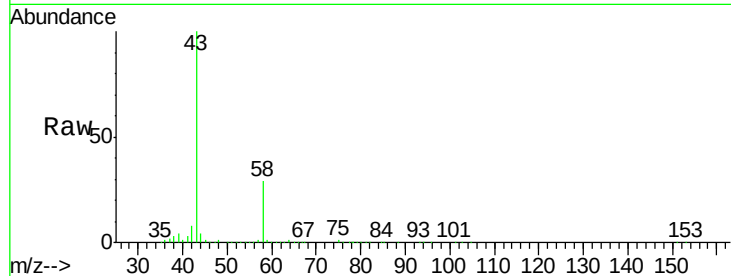
VX0628WBSD02

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.77 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003002.D

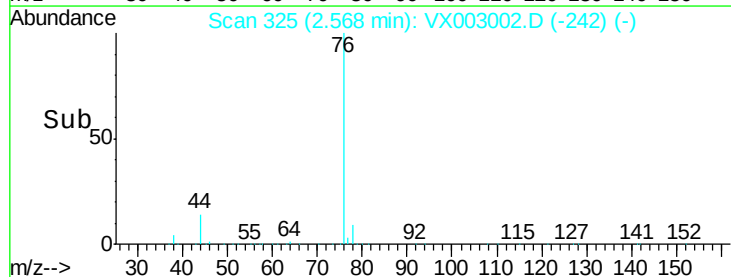
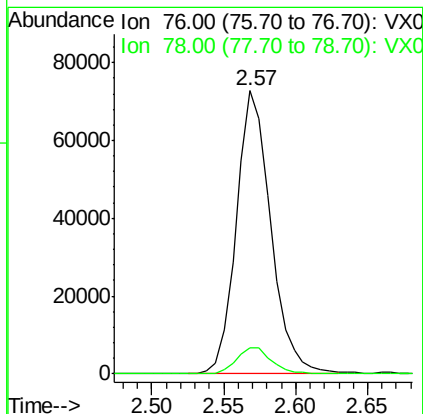
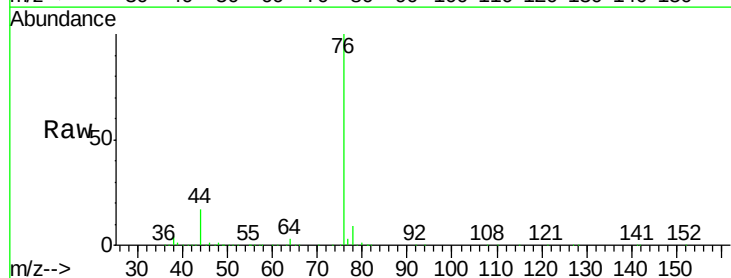
Acq: 28 Jun 2018 22:45

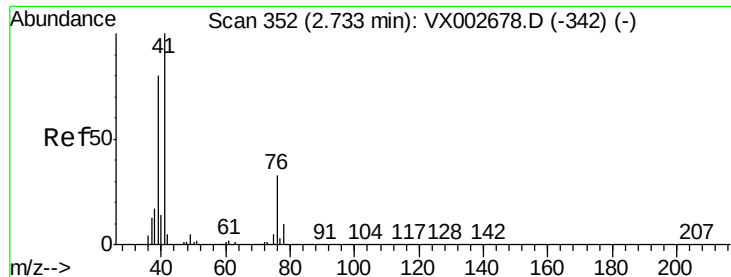
Tgt Ion: 76 Resp: 120986

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0





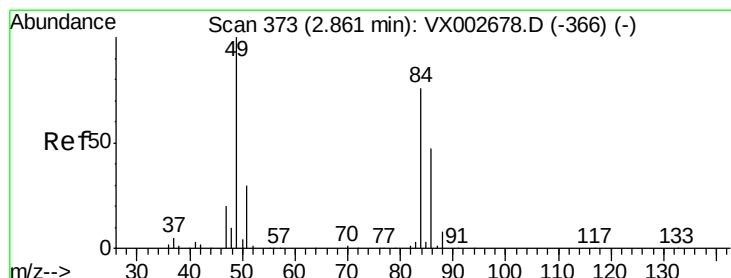
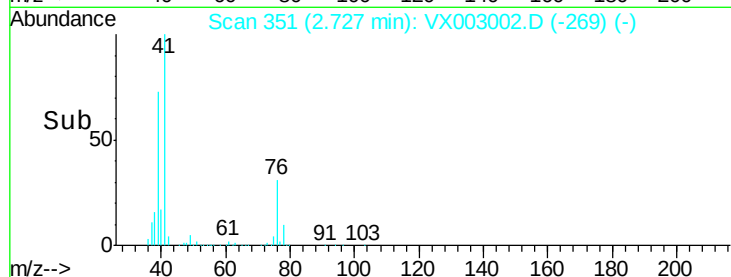
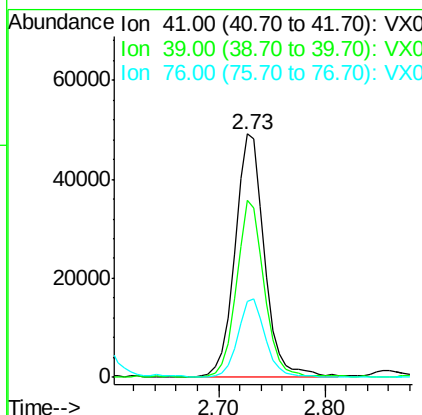
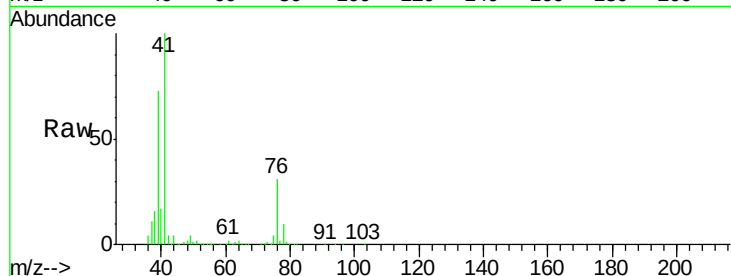
#17
Allvl chloride
Concen: 18.42 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.5	34.6	103.8
76	31.1	15.0	45.1

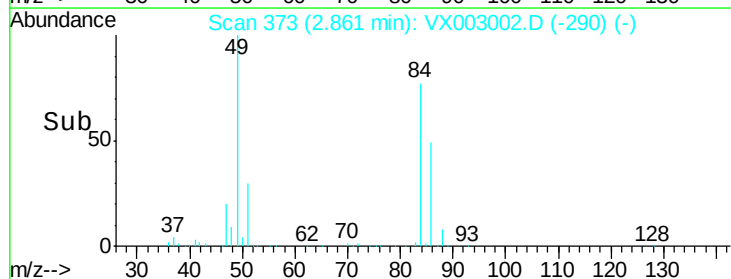
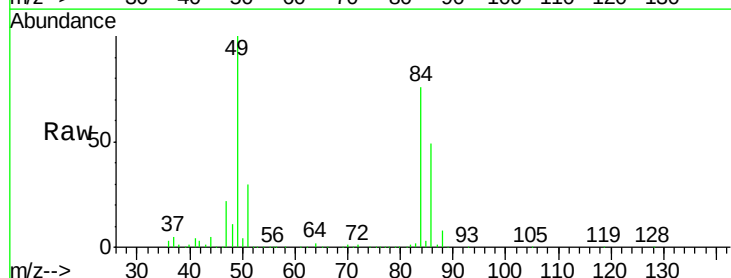
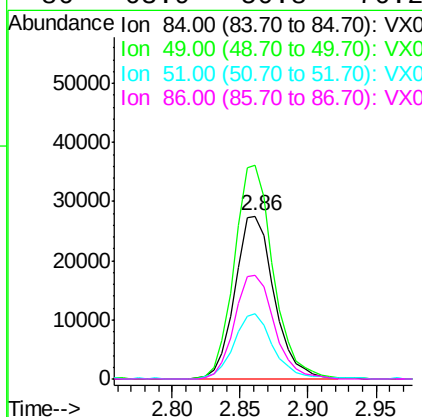
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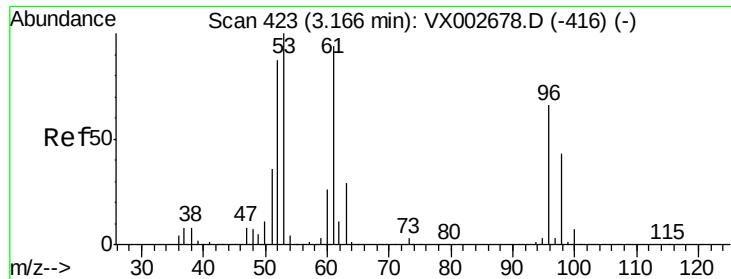
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#18
Methylene Chloride
Concen: 18.87 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.8	104.7	157.1
51	39.4	31.0	46.4
86	63.9	50.8	76.2





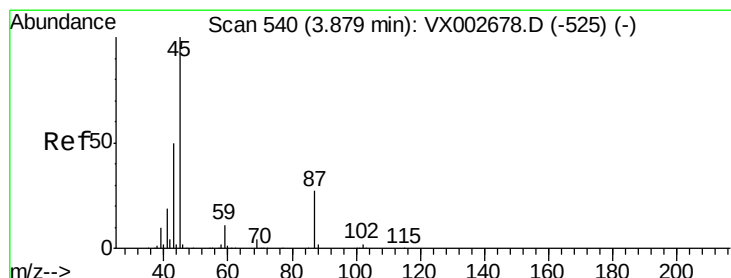
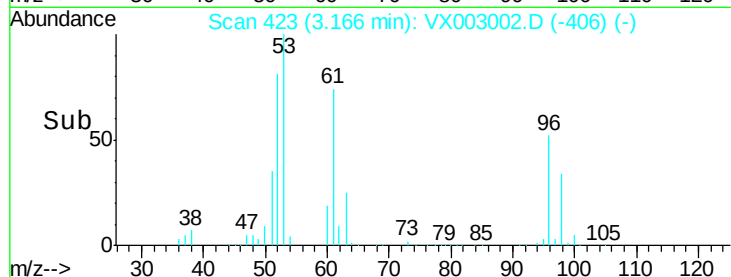
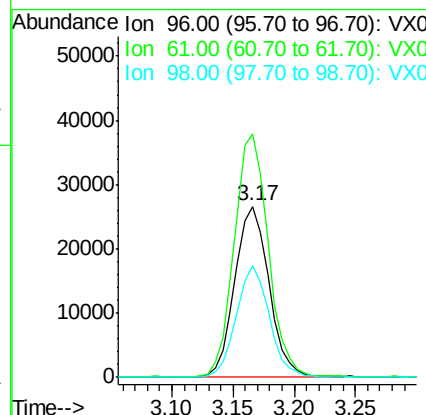
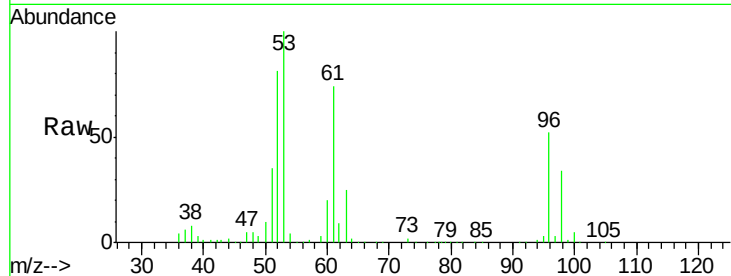
#19
trans-1,2-Dichloroethene
Concen: 18.78 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.01 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	142.1	114.6	172.0	
98	65.7	51.3	76.9	

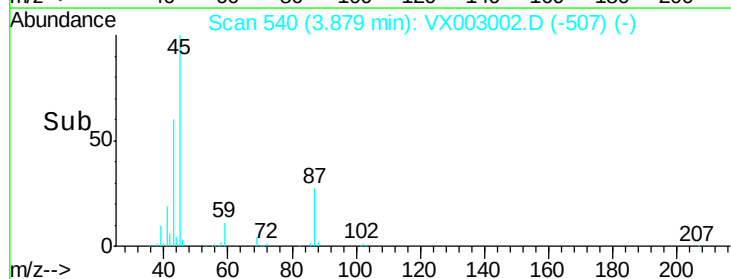
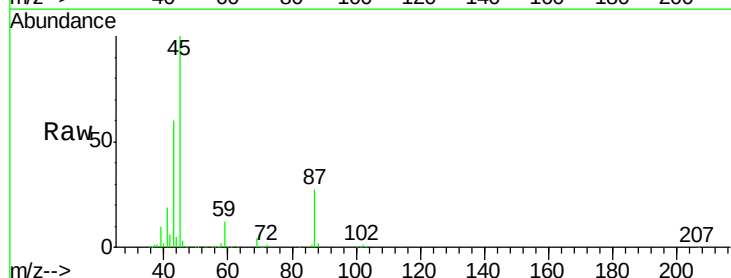
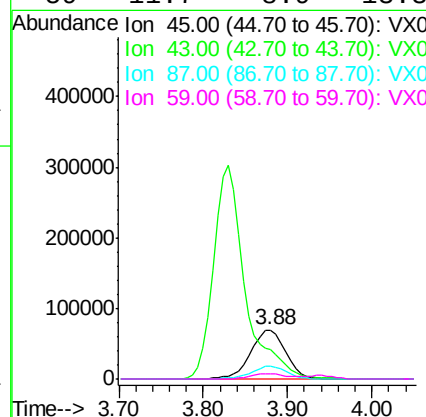
Manual Integrations
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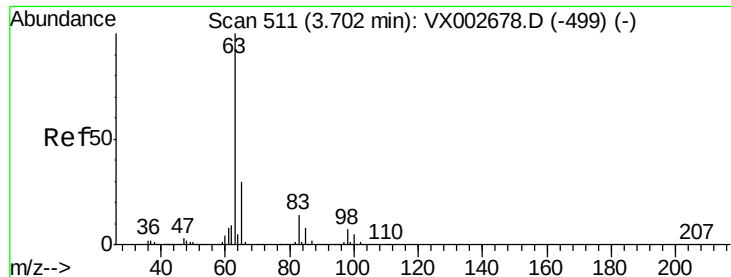
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#20
Diisopropyl ether
Concen: 20.44 ug/l
RT: 3.88 min Scan# 540
Delta R.T. -0.00 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	58.8	45.6	68.4	
87	27.1	20.7	31.1	
59	11.7	8.9	13.3	





#21

1,1-Dichloroethane

Concen: 20.45 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

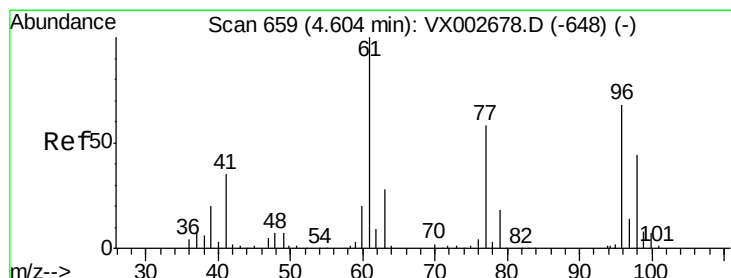
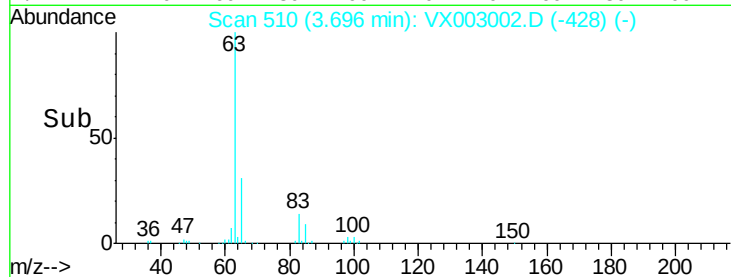
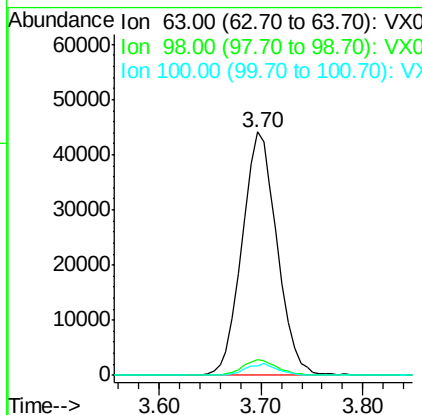
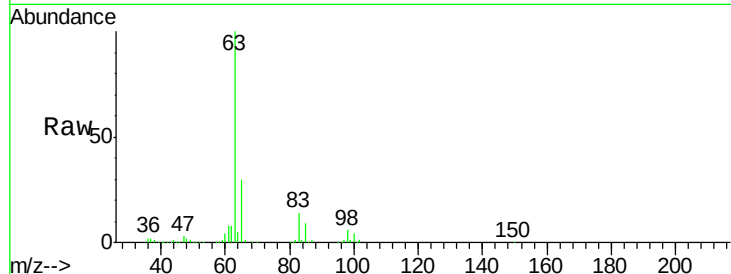
ClientSampleId :

VX0628WBSD02

Tot Ion:	63	Resp:	104965
Ion Ratio		Lower	Upper
63	100		
98	6.5	3.1	9.3
100	3.7	2.2	6.6

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#22

cis-1,2-Dichloroethene

Concen: 21.40 ug/l

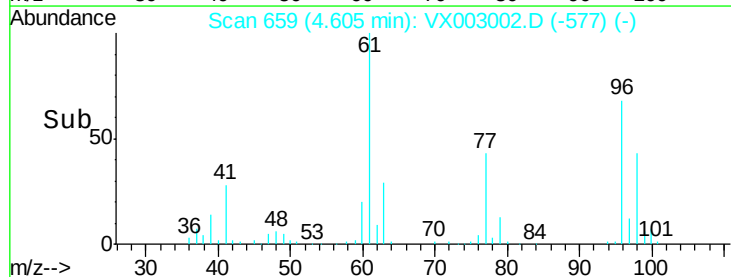
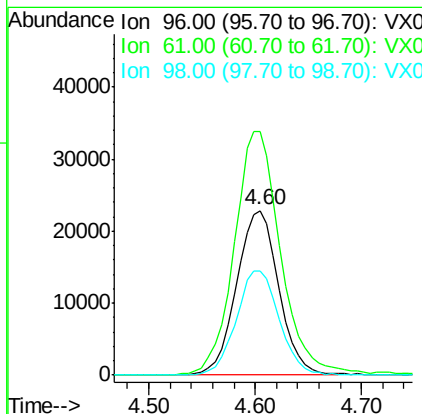
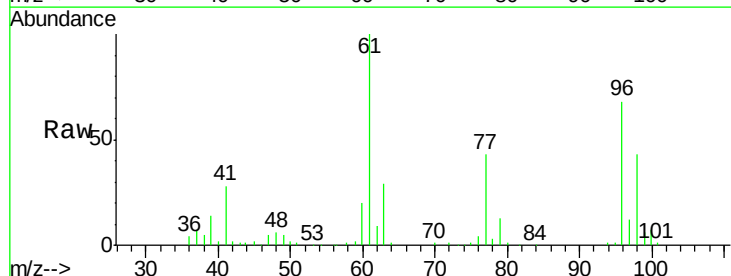
RT: 4.60 min Scan# 659

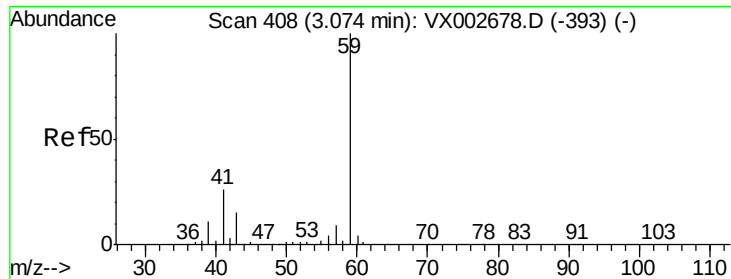
Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Tgt Ion:	96	Resp:	63496
Ion Ratio		Lower	Upper
96	100		
61	162.7	160.2	240.2
98	64.7	54.1	81.1





#23

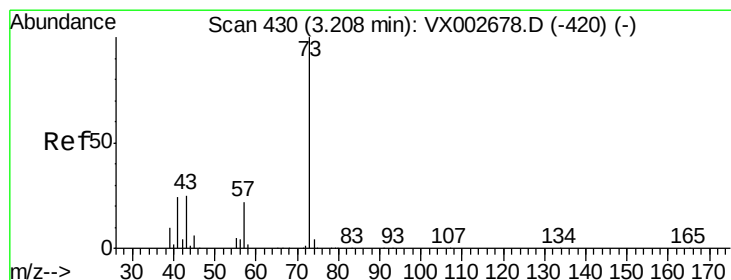
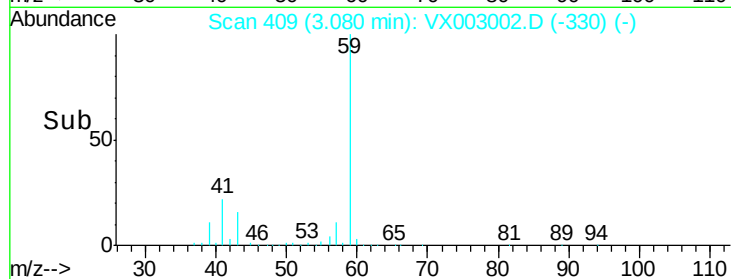
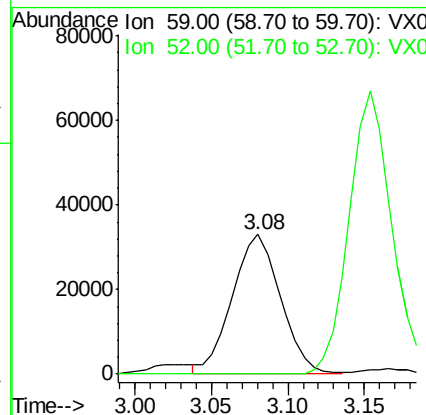
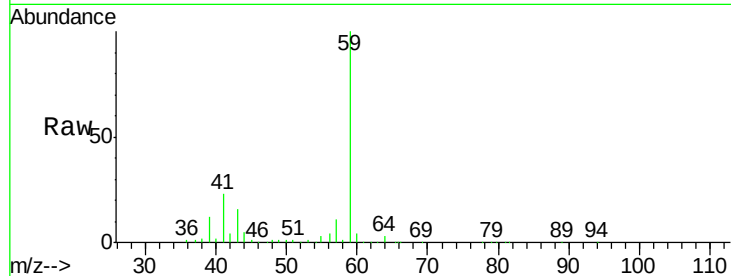
tert-Butyl Alcohol
 Concen: 101.92 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.02 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD02

Tot Ion: 59 Resp: 72716
 Ion Ratio Lower Upper
 59 100
 52 0.5 0.2 0.2#

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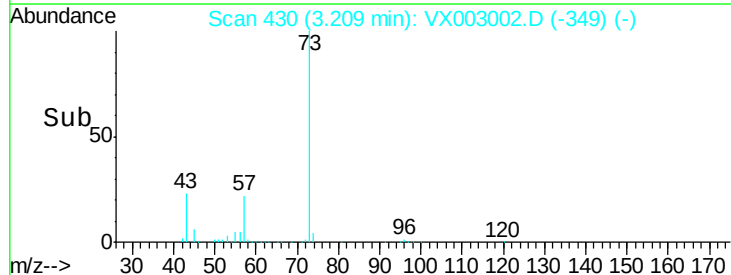
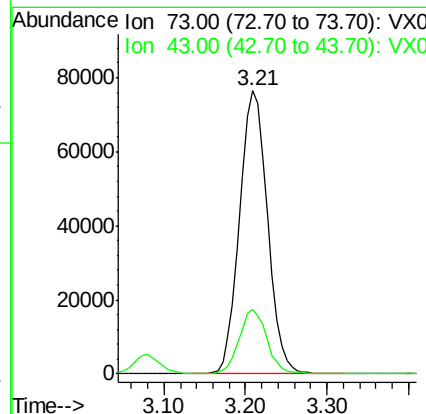
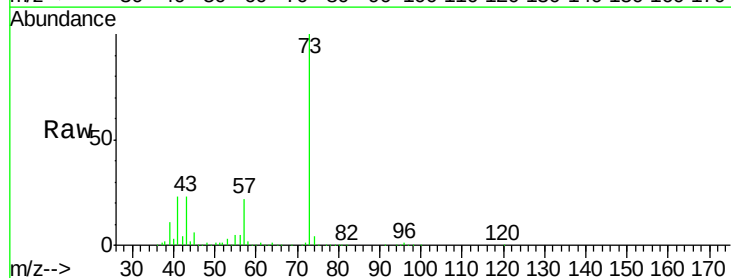
MMDadoda
 6/29/2018 12:22:50 PM

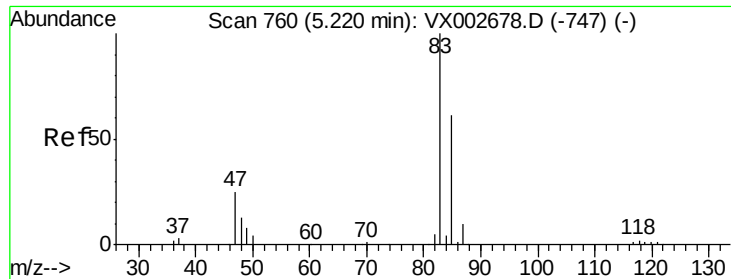


#24

Methyl tert-Butyl Ether
 Concen: 18.87 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Tgt Ion: 73 Resp: 181432
 Ion Ratio Lower Upper
 73 100
 43 22.0 19.0 28.4





#25

Chloroform

Concen: 20.86 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD02

Tot Ion: 83 Resp: 107489

Ion Ratio Lower Upper

83 100

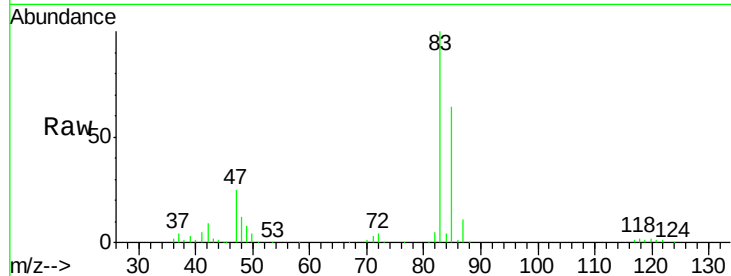
85 64.0 51.9 77.9

Manual Integrations

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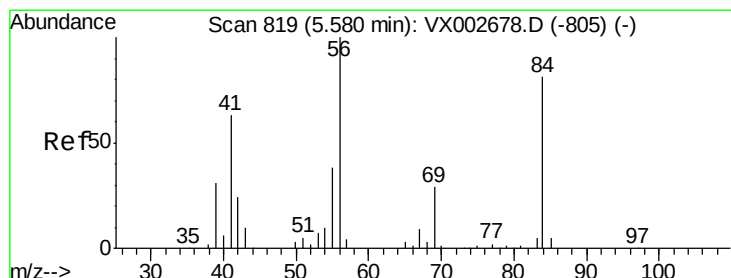
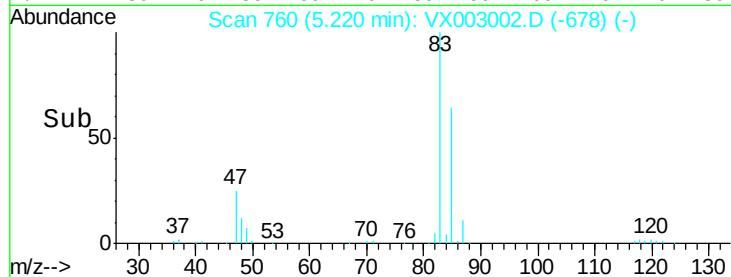
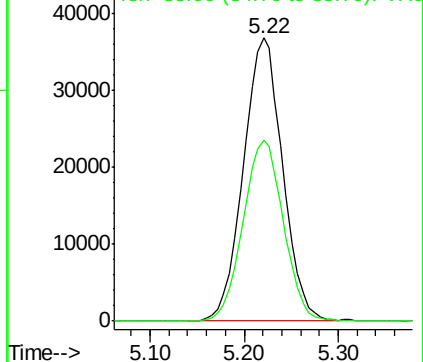
MMDadoda

6/29/2018 12:22:50 PM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 18.82 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

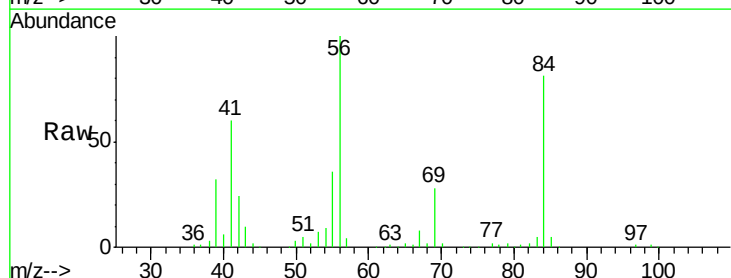
Tgt Ion: 56 Resp: 82083

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

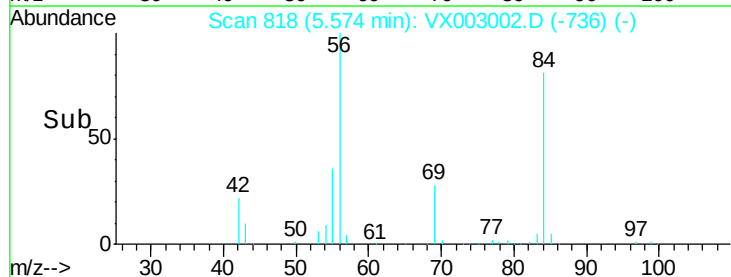
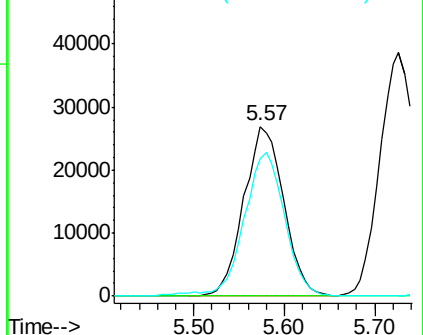
84 84.1 64.9 97.3

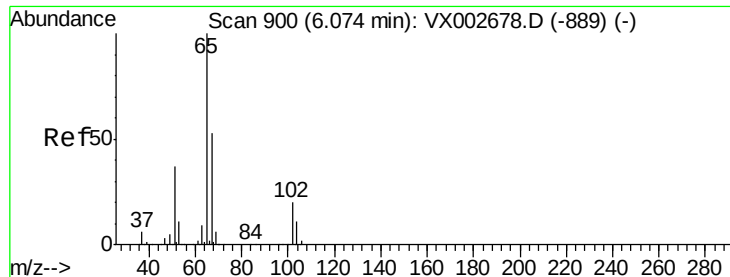


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.13 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD02

Tot Ion: 65 Resp: 114592

Ion Ratio Lower Upper

65 100

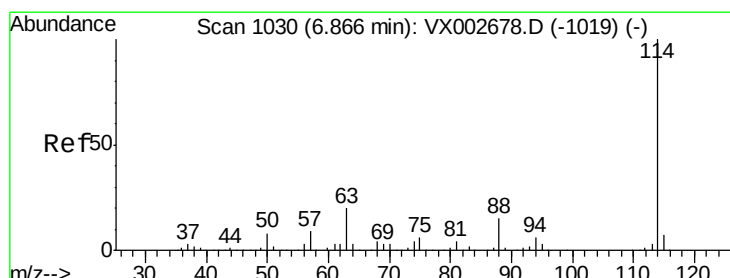
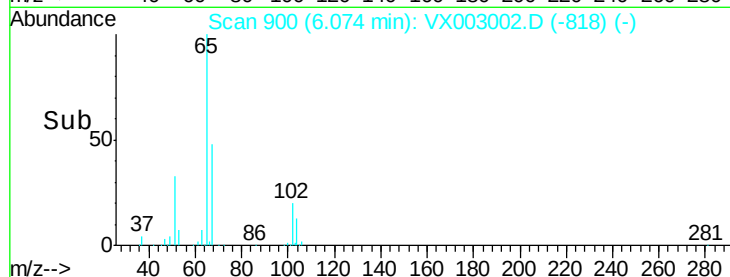
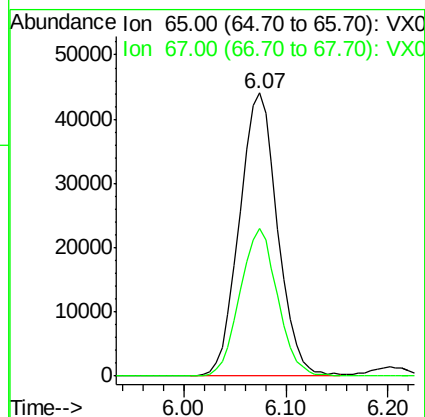
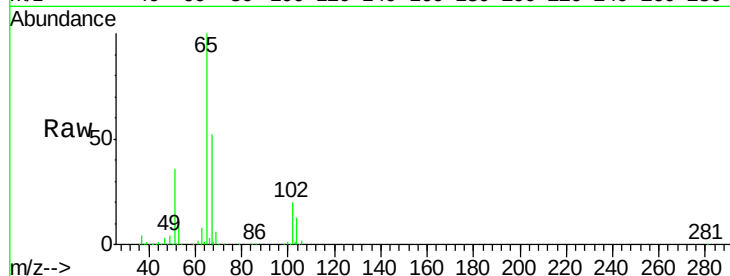
67 51.4 40.9 61.3

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

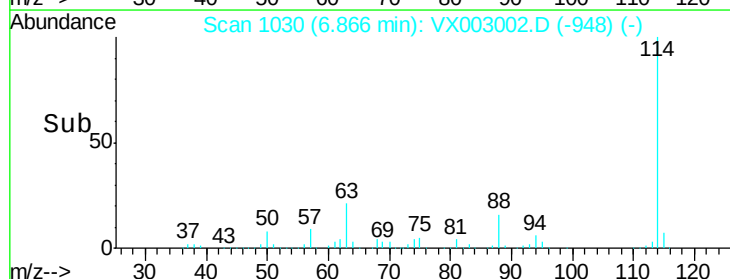
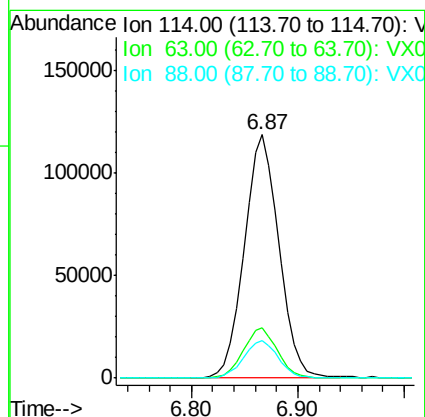
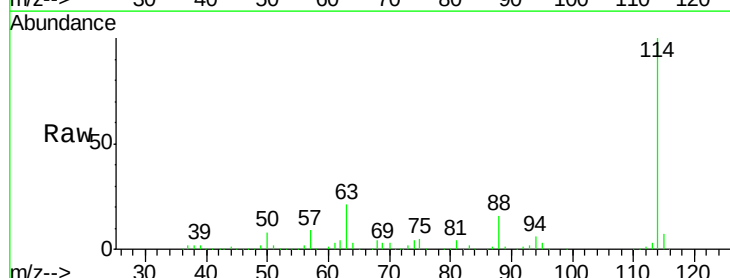
Tgt Ion: 114 Resp: 270826

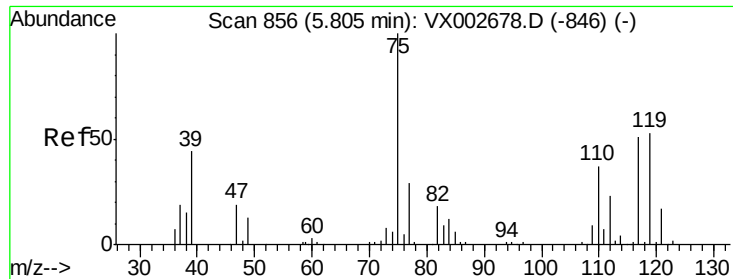
Ion Ratio Lower Upper

114 100

63 20.4 17.1 25.7

88 15.5 12.6 19.0





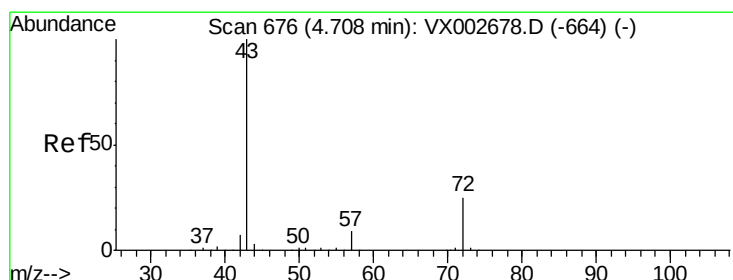
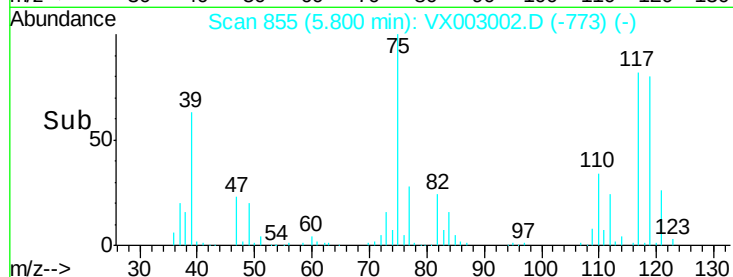
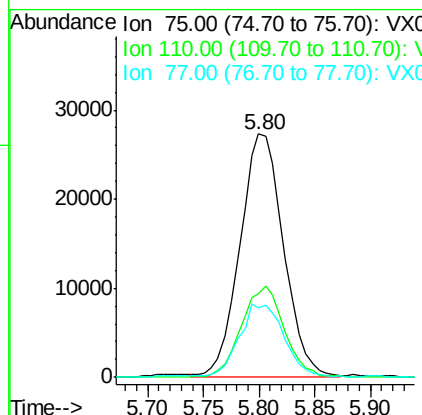
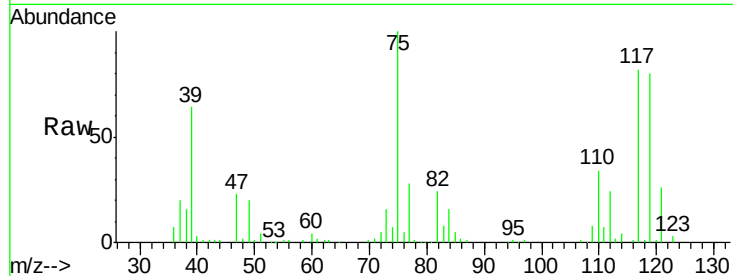
#29
 1,1-Dichloropropene
 Concen: 20.42 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.9	0.0	71.4
77	30.8	0.0	60.6

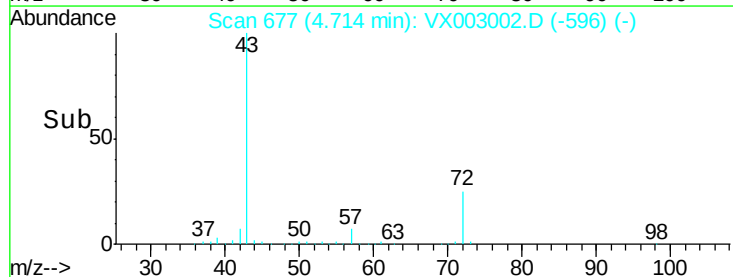
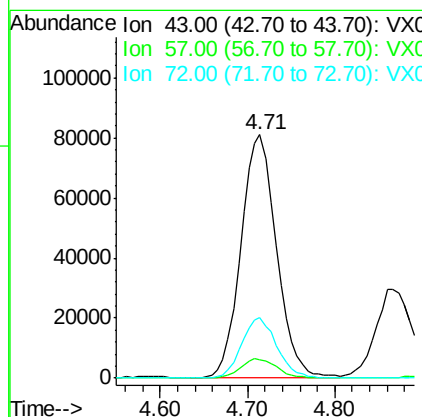
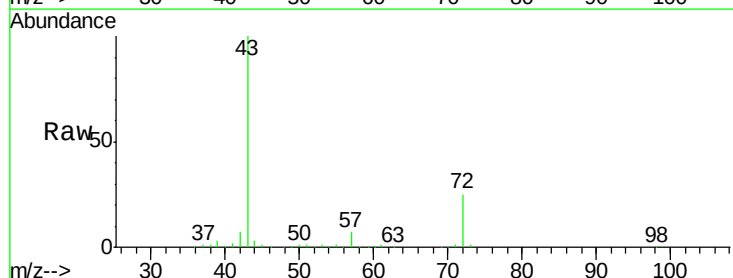
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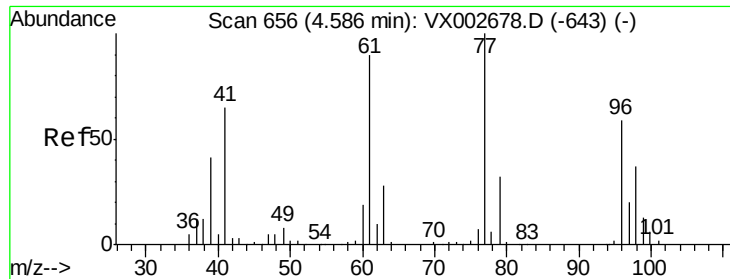
MMDadoda
 6/29/2018 12:22:50 PM



#30
 2-Butanone
 Concen: 108.98 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.1	9.1
72	24.7	18.1	27.1





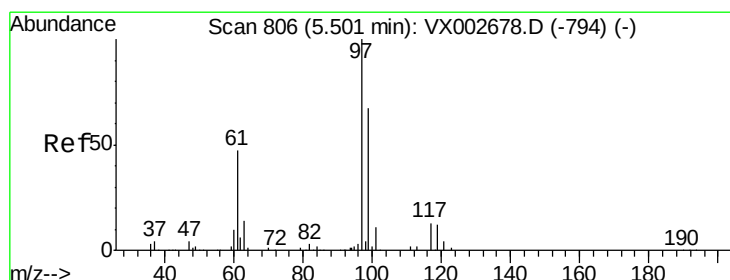
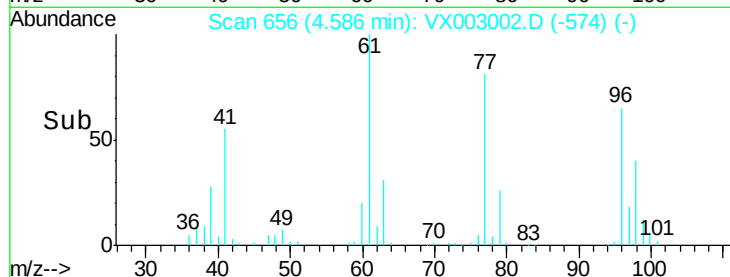
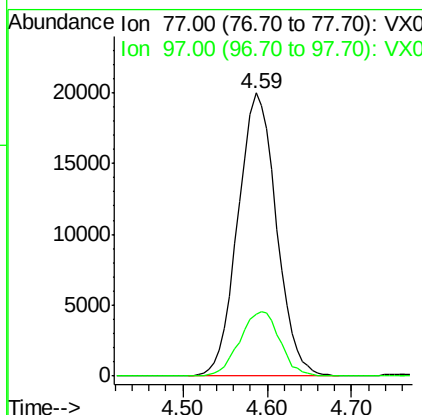
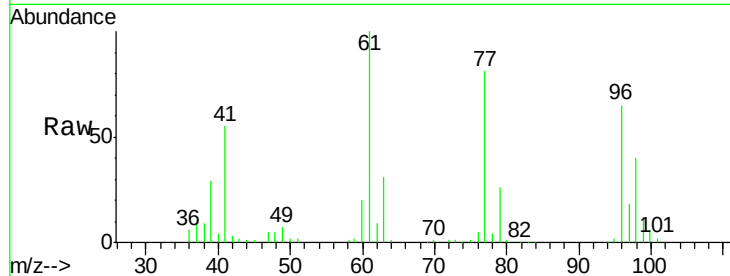
#31
 2,2-Dichloropropane
 Concen: 15.85 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD02

Tot Ion: 77 Resp: 61958
 Ion Ratio Lower Upper
 77 100
 97 23.8 18.7 28.1

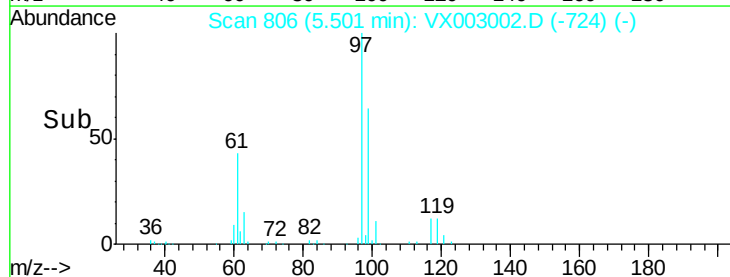
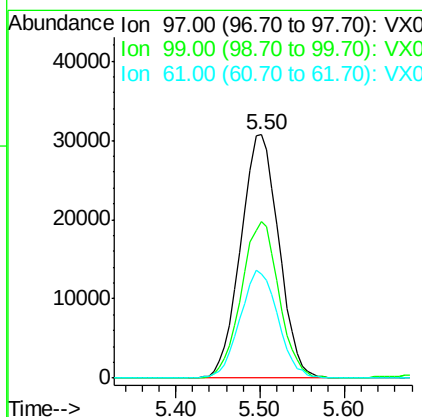
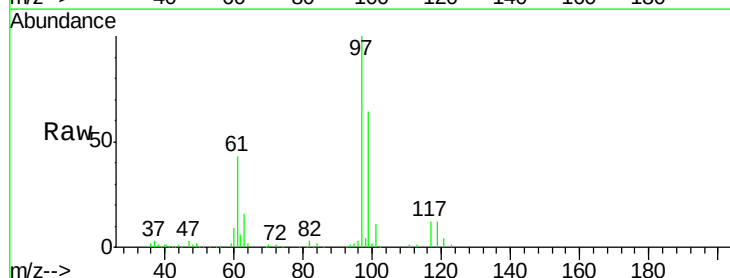
Manual Integrations
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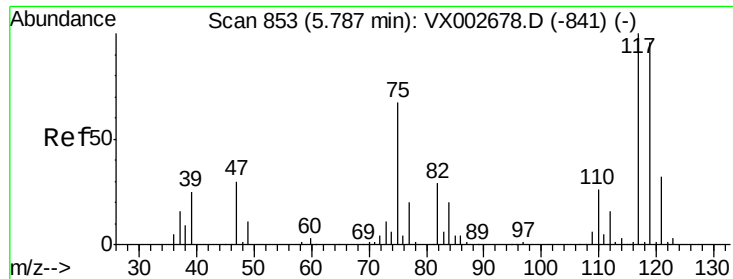
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 21.37 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Tgt Ion: 97 Resp: 94423
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.7 77.5
 61 43.9 36.4 54.6





#33

Carbon Tetrachloride

Concen: 20.67 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

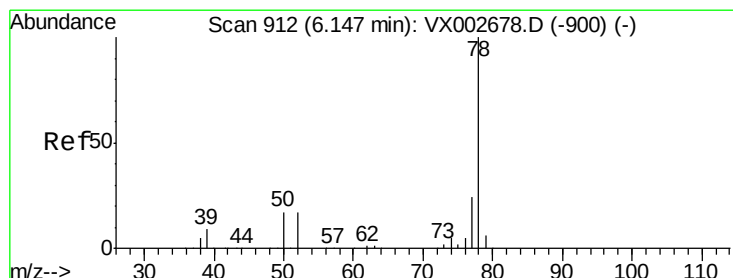
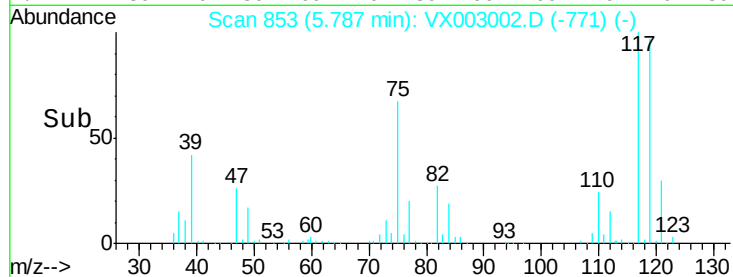
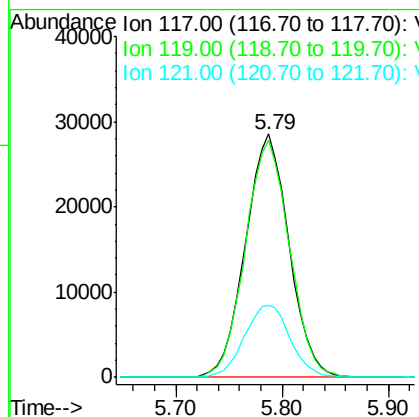
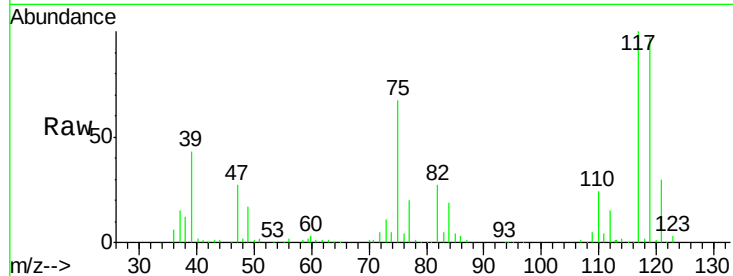
ClientSampleId :

VX0628WBSD02

Tot Ion:	117	Resp:	82075
Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.3	109.9
121	29.6	23.6	35.4

Manual Integrations
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#34

Benzene

Concen: 20.74 ug/l

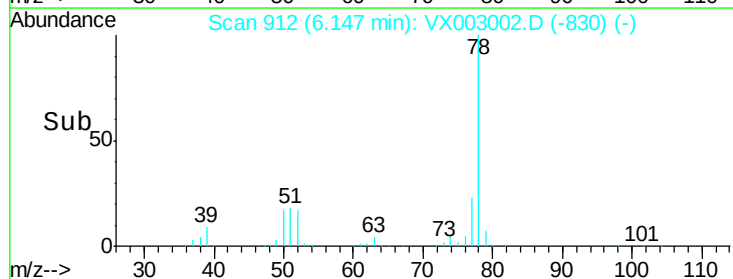
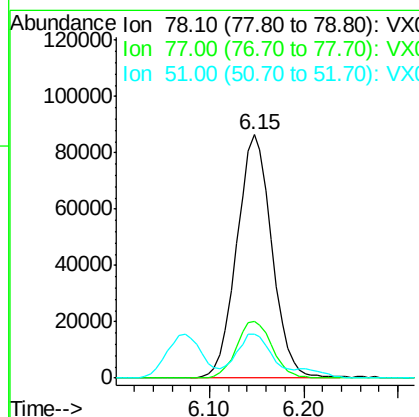
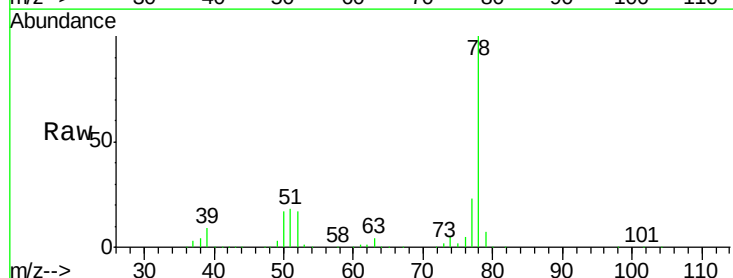
RT: 6.15 min Scan# 912

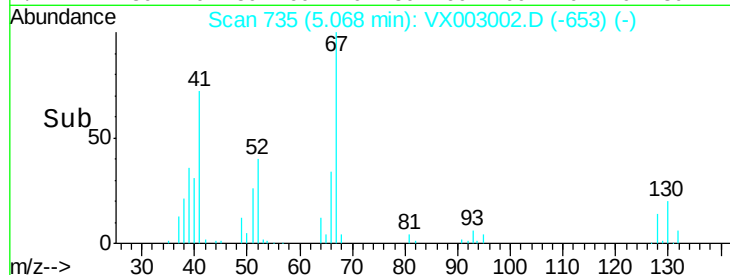
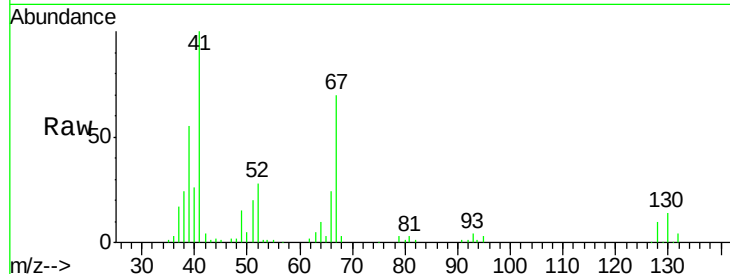
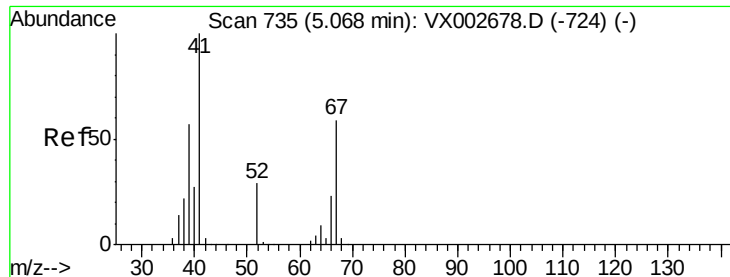
Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Tgt Ion:	78	Resp:	224682
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.0
51	17.4	13.8	20.6





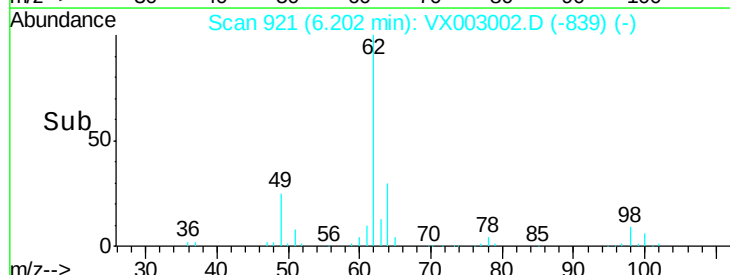
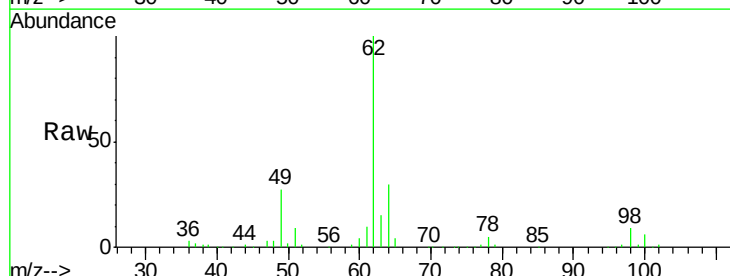
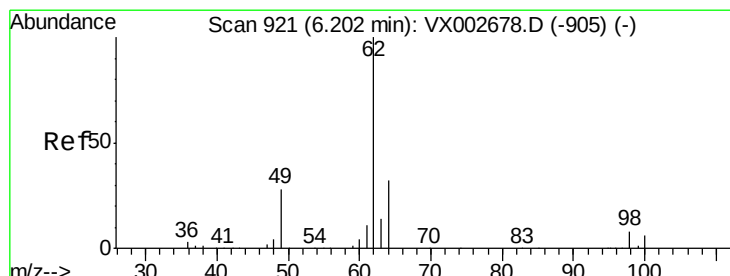
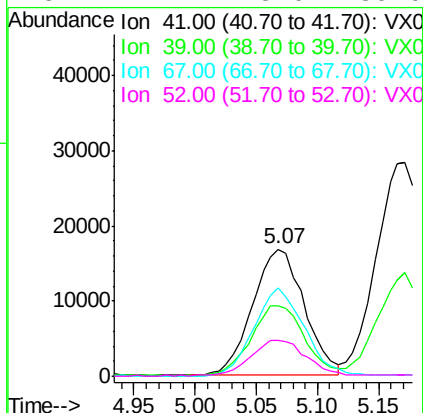
#35
Methacrylonitrile
Concen: 21.77 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		49614		
39	54.7	28.8	86.5		
67	70.4	30.4	91.2		
52	27.7	13.0	39.0		

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD02

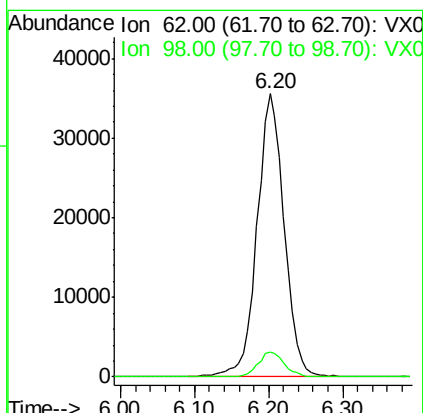
Manual Integrations
APPROVED

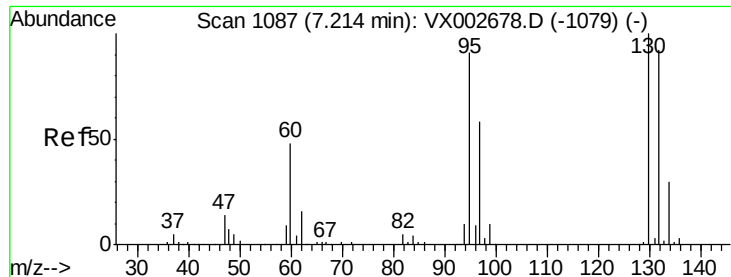
MMDadoda
6/29/2018 12:22:50 PM



#36
1,2-Dichloroethane
Concen: 21.22 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		90255		
98	8.6	6.5	9.7		





#37

Trichloroethene

Concen: 20.71 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD02

Tot Ion:130 Resp: 65711

Ion Ratio Lower Upper

130 100

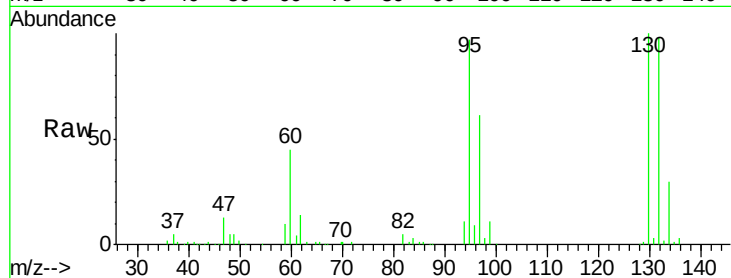
95 97.1 81.5 122.3

Manual Integrations

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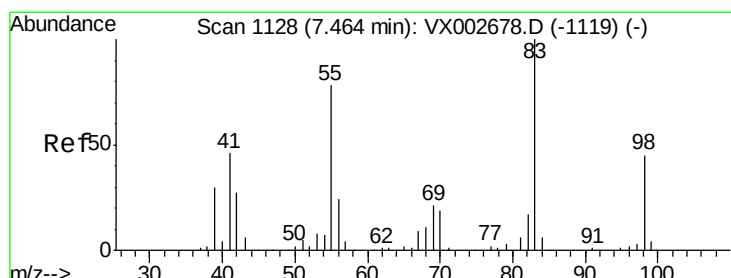
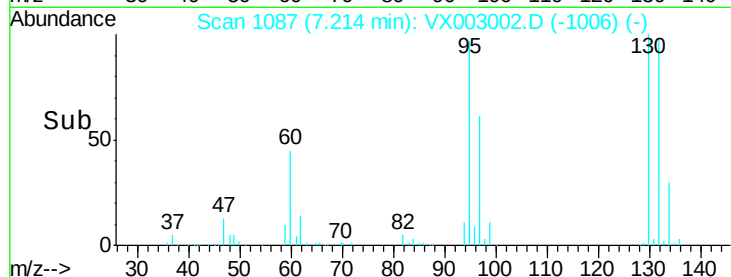
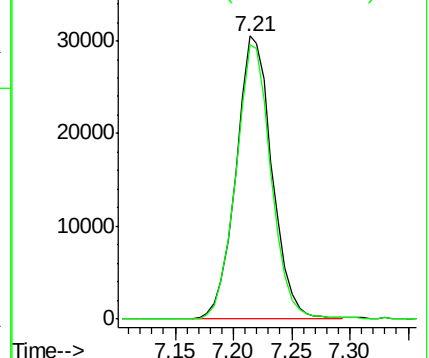
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 17.41 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

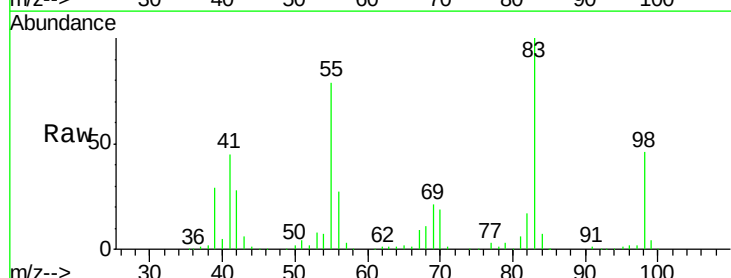
Tgt Ion: 83 Resp: 77485

Ion Ratio Lower Upper

83 100

55 79.6 40.6 121.8

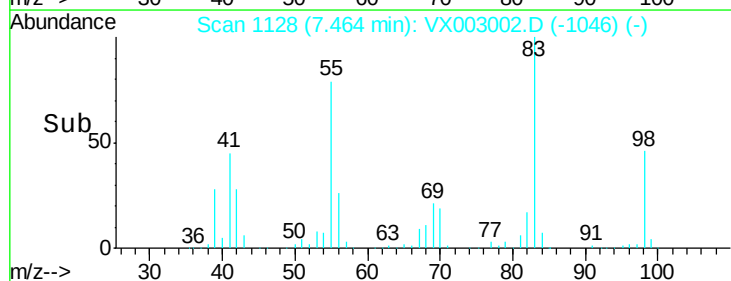
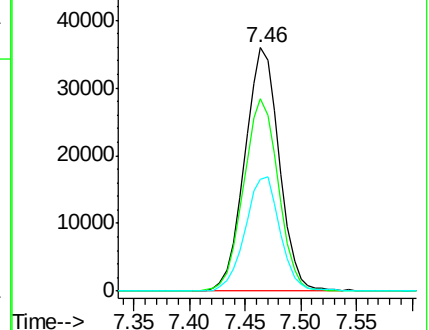
98 47.2 23.5 70.5

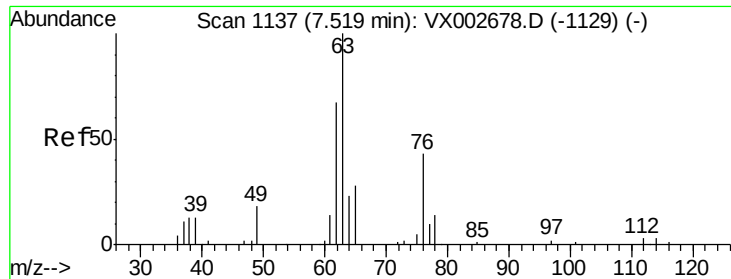


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





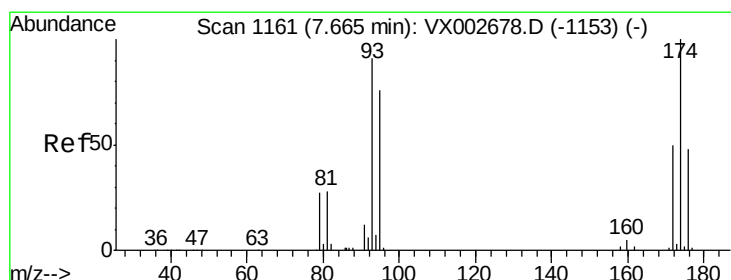
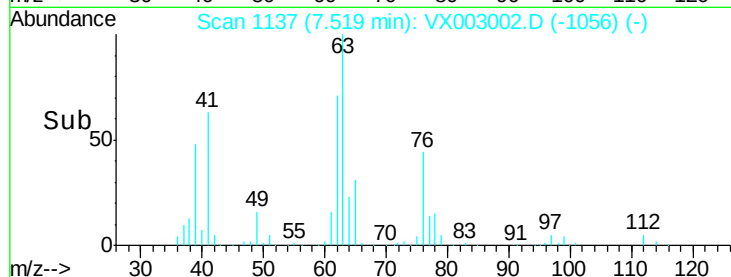
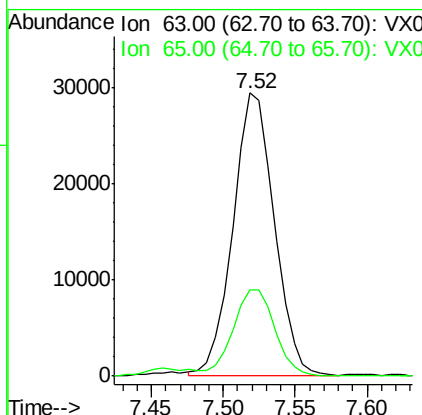
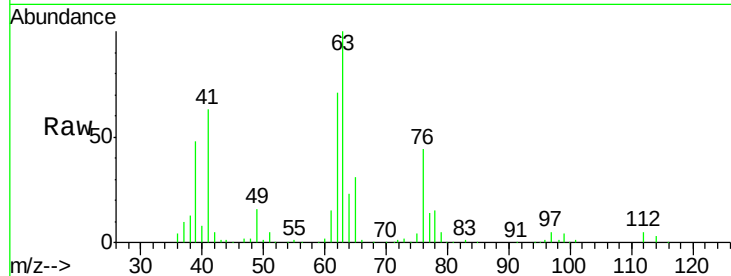
#39
 1,2-Dichloropropane
 Concen: 20.85 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD02

Tot Ion: 63 Resp: 58910
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.3 34.9

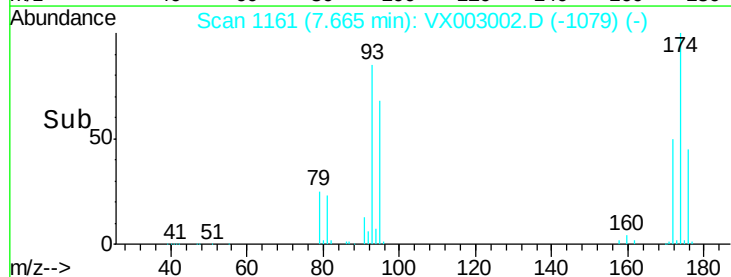
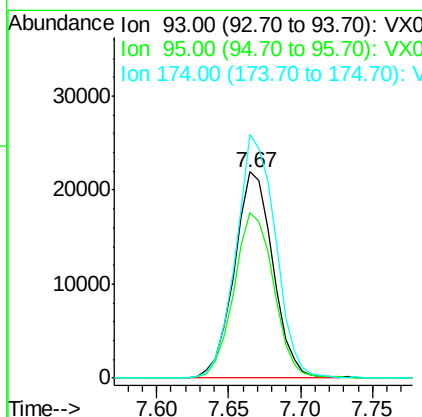
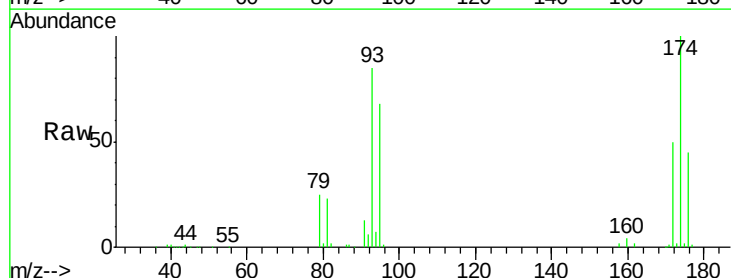
Manual Integrations
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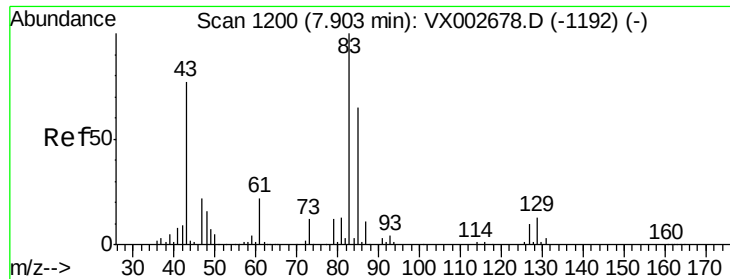
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 6/29/2018 12:22:50 PM



#40
 Dibromomethane
 Concen: 20.92 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Tgt Ion: 93 Resp: 41067
 Ion Ratio Lower Upper
 93 100
 95 82.2 0.0 162.6
 174 120.2 0.0 229.4





#41

Bromodichloromethane

Concen: 20.82 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

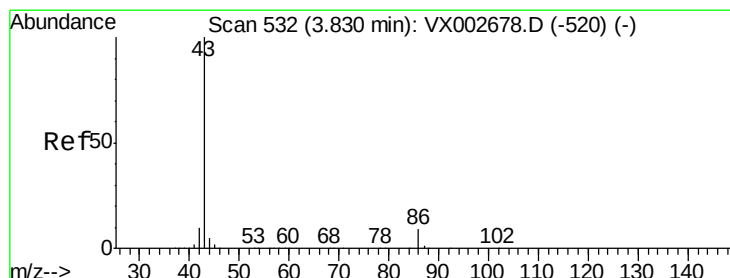
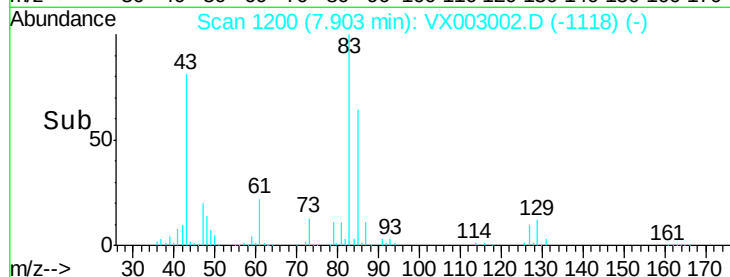
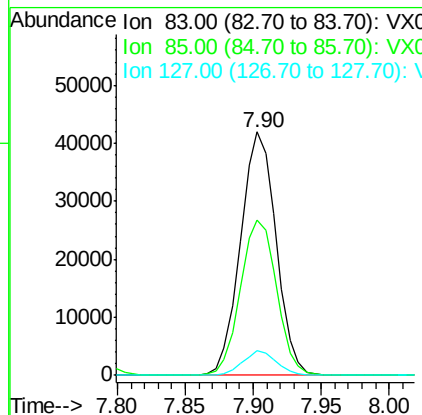
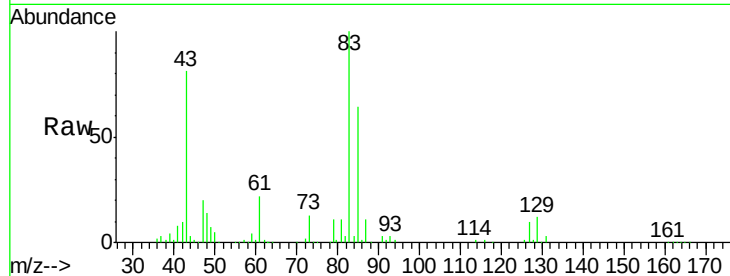
ClientSampleId :

VX0628WBSD02

Tot Ion:	83	Resp:	76758
Ion Ratio	Lower	Upper	
83	100		
85	63.9	49.8	74.8
127	10.3	7.3	10.9

Manual Integrations
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MMDadoda
6/29/2018 12:22:50 PM



#42

Vinyl Acetate

Concen: 99.15 ug/l

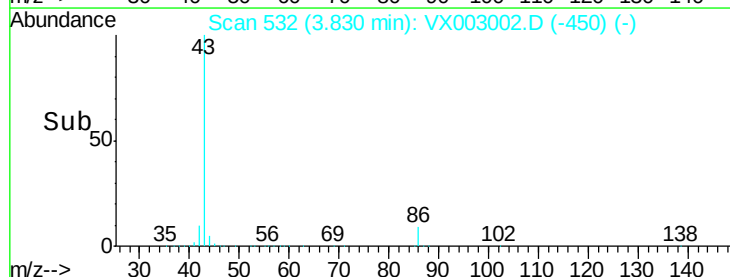
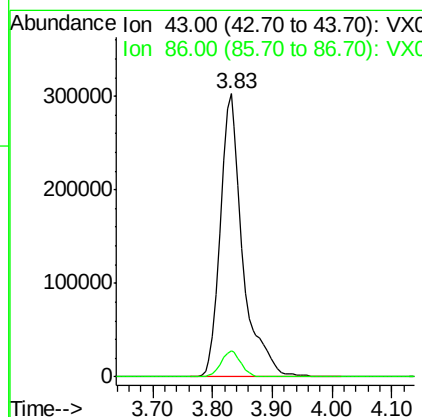
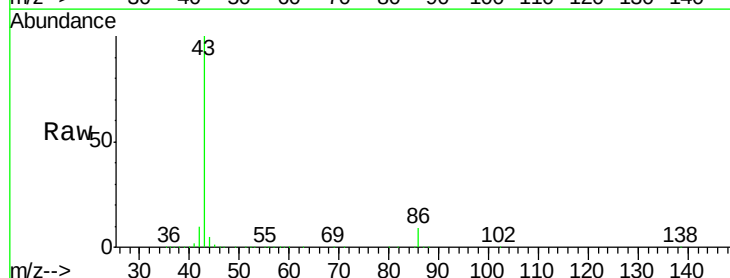
RT: 3.83 min Scan# 532

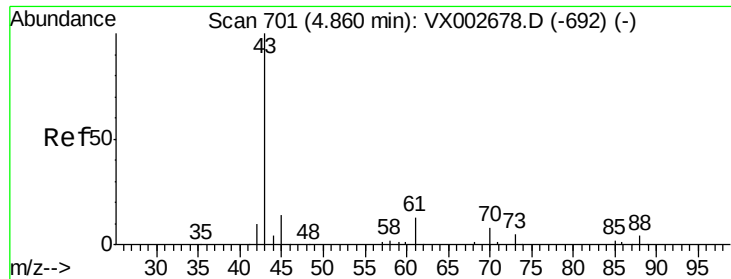
Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Tgt Ion:	43	Resp:	786978
Ion Ratio	Lower	Upper	
43	100		
86	8.3	6.7	10.1





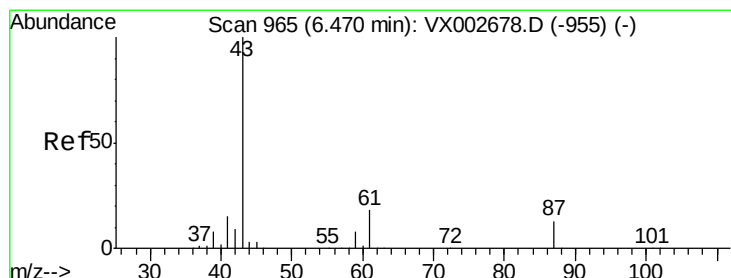
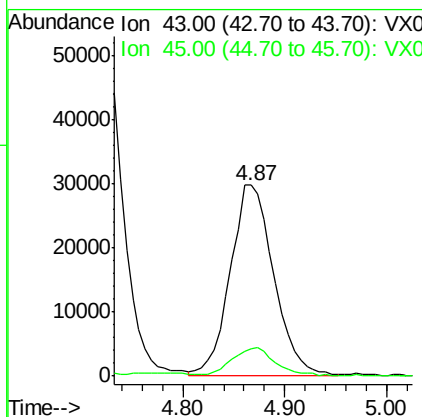
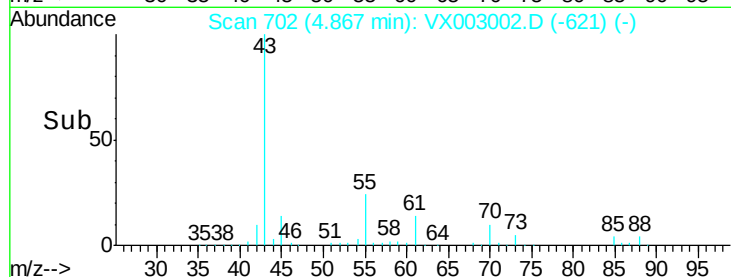
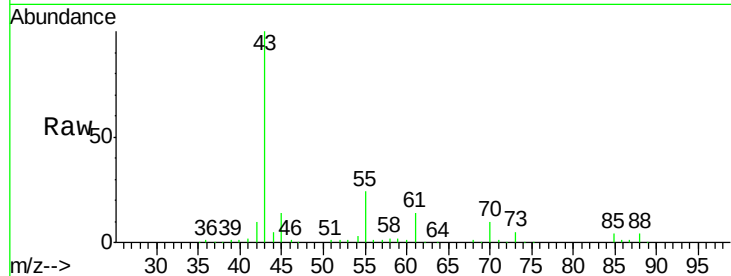
#43
Ethyl Acetate
Concen: 22.00 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD02

Tot Ion: 43 Resp: 88045
Ion Ratio Lower Upper
43 100
45 13.8 11.0 16.4

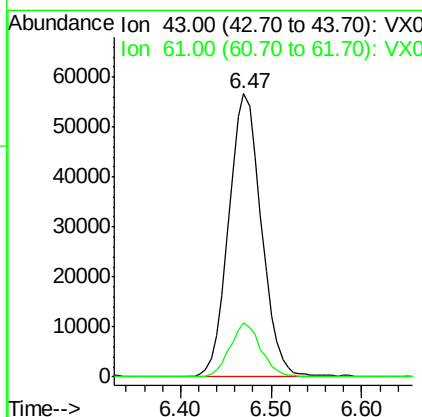
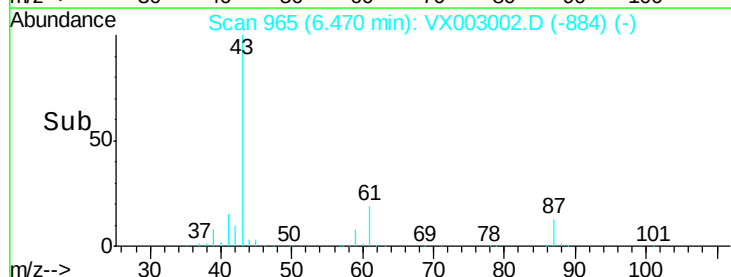
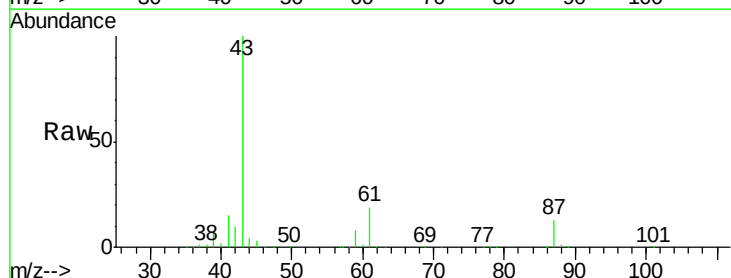
Manual Integrations
APPROVED

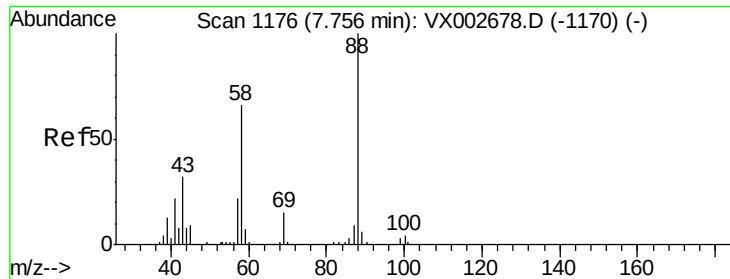
MMDadoda
6/29/2018 12:22:50 PM



#44
Isopropyl Acetate
Concen: 21.14 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Tgt Ion: 43 Resp: 141806
Ion Ratio Lower Upper
43 100
61 18.0 14.5 21.7





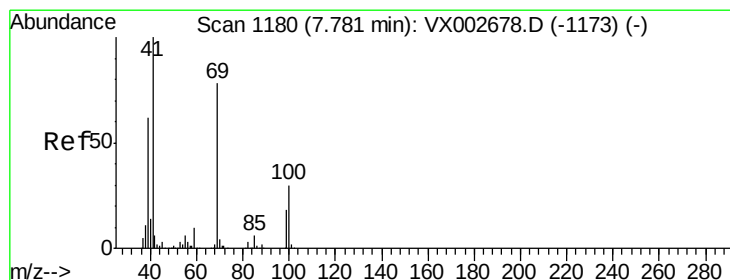
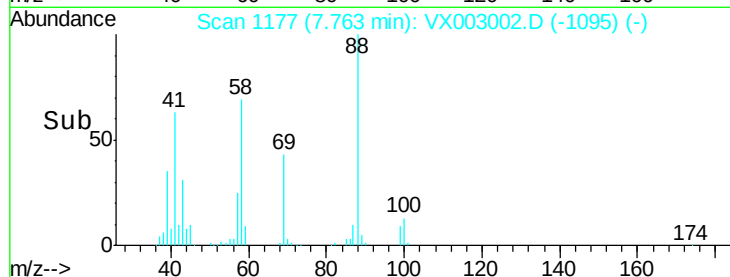
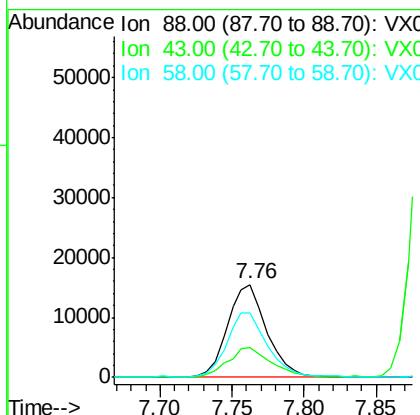
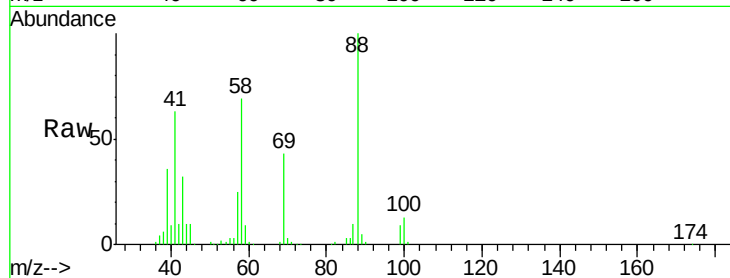
#45
 1,4-Dioxane
 Concen: 446.47 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	43.2	64.8#
58	71.2	60.2	90.2

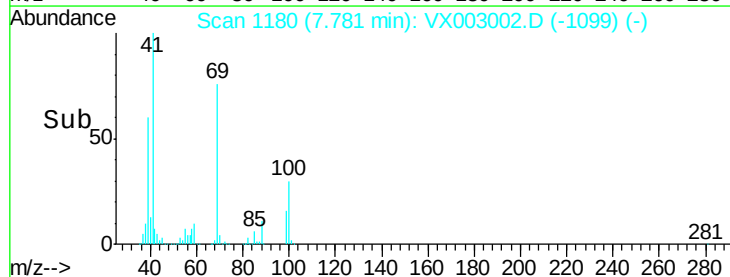
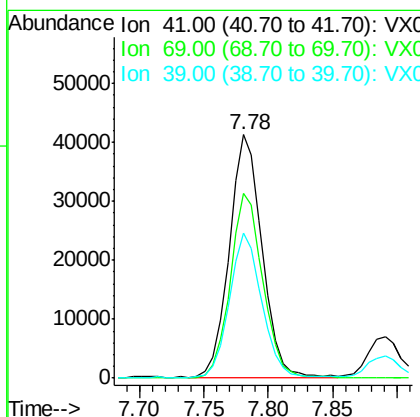
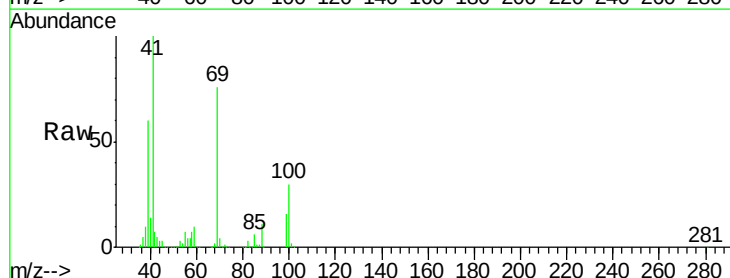
Manual Integrations
 APPROVED

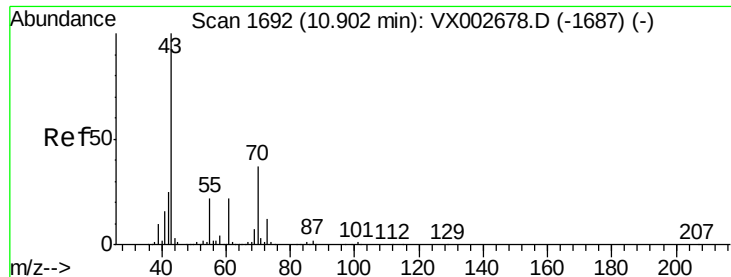
MMDadoda
 6/29/2018 12:22:50 PM



#46
 Methyl methacrylate
 Concen: 21.20 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.3	37.0	110.9
39	59.5	29.6	88.9





#47

n-amvl Acetate

Concen: 19.19 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD02

Tot Ion: 43 Resp: 121446

Ion Ratio Lower Upper

43 100

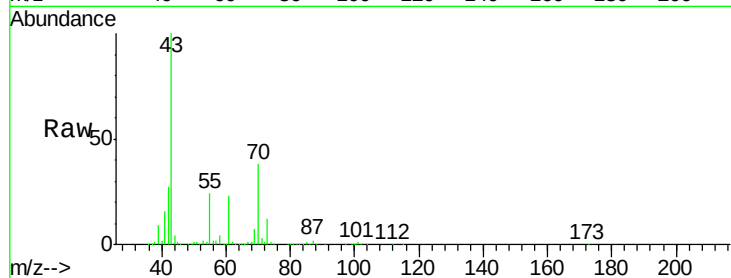
55 24.0 0.1 0.1#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.90

120000

100000

80000

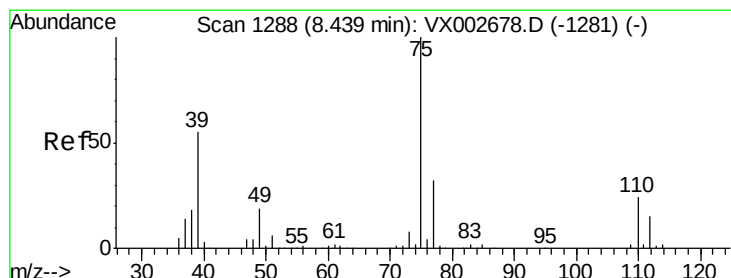
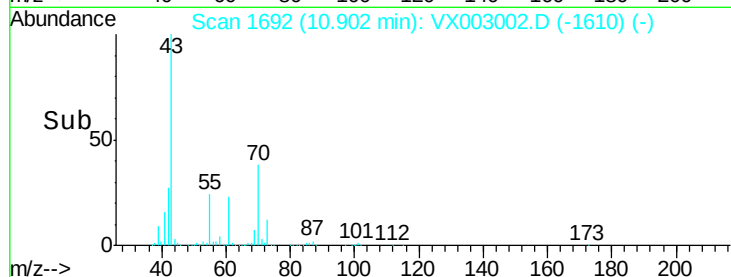
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 19.19 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003002.D

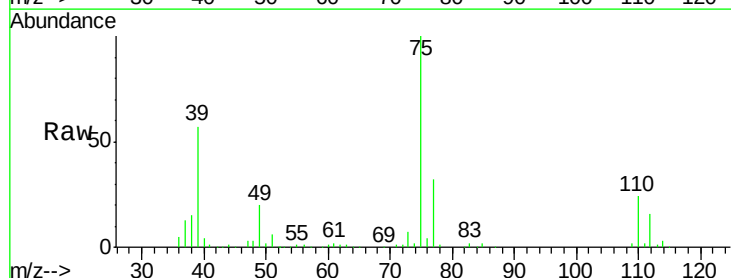
Acq: 28 Jun 2018 22:45

Tgt Ion: 75 Resp: 83063

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

8.44

60000

50000

40000

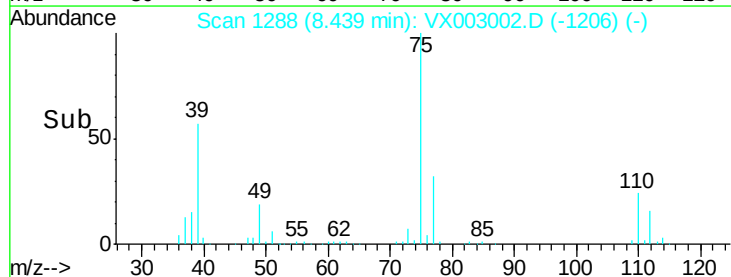
30000

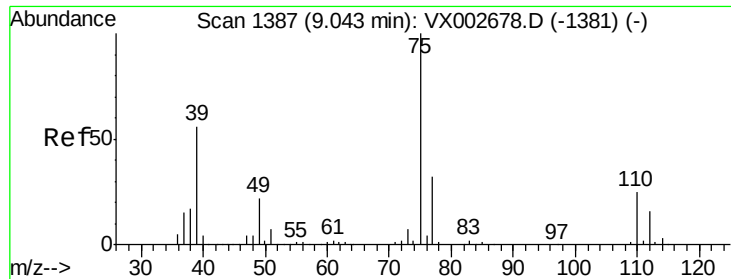
20000

10000

0

Time-->





#49

cis-1,3-Dichloropropene

Concen: 19.09 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

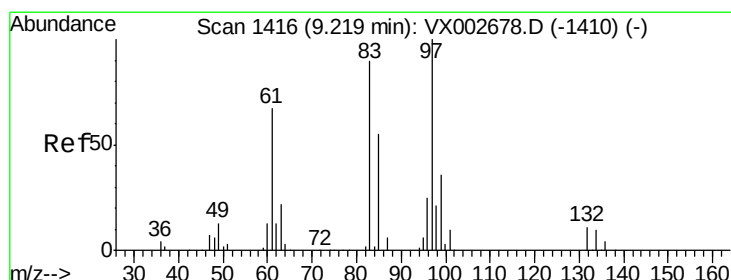
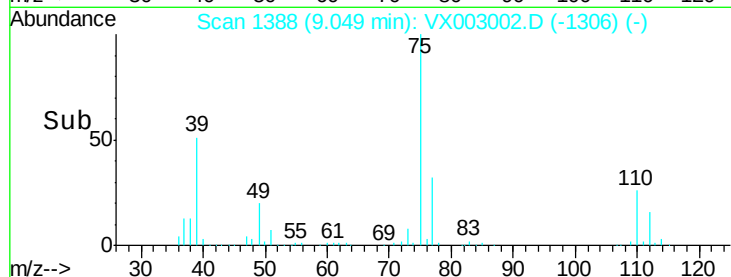
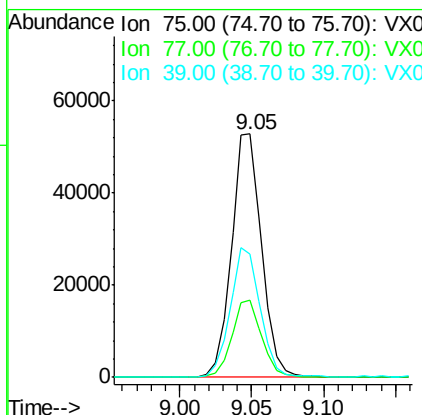
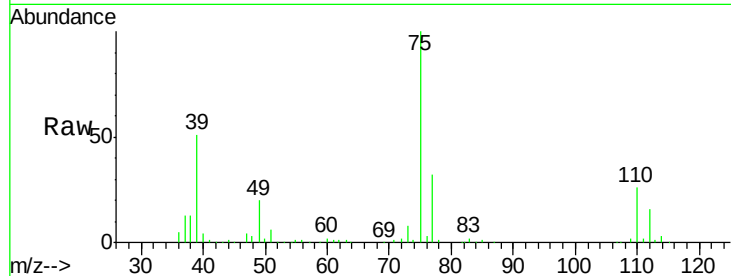
ClientSampled :

VX0628WBSD02

Tot Ion:	75	Resp:	77166
Ion Ratio	Lower	Upper	
75	100		
77	31.5	25.4	38.2
39	50.6	42.3	63.5

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 21.15 ug/l

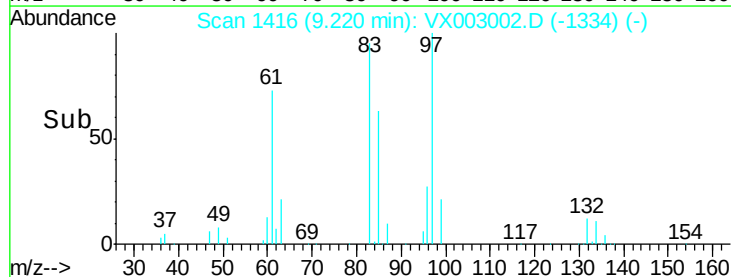
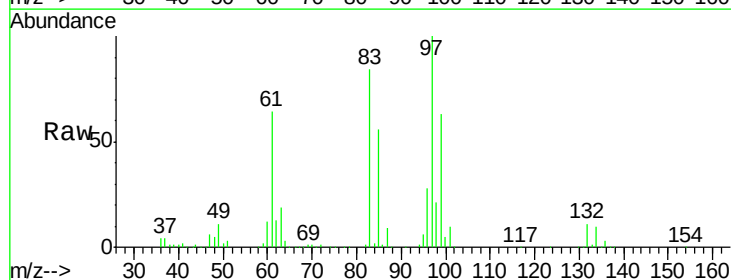
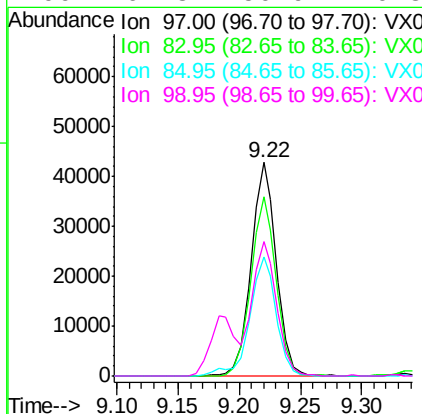
RT: 9.22 min Scan# 1416

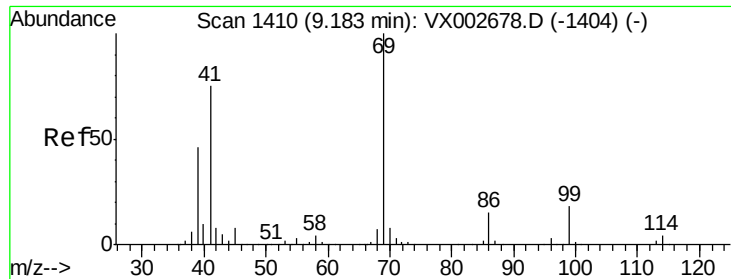
Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Tgt Ion:	97	Resp:	61236
Ion Ratio	Lower	Upper	
97	100		
83	84.0	70.8	106.2
85	55.6	43.5	65.3
99	62.8	50.9	76.3





#51

Ethyl methacrylate

Concen: 20.69 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

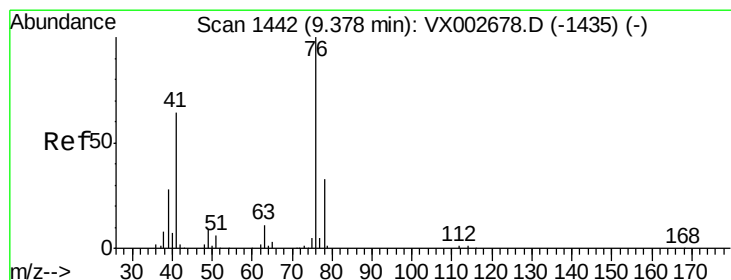
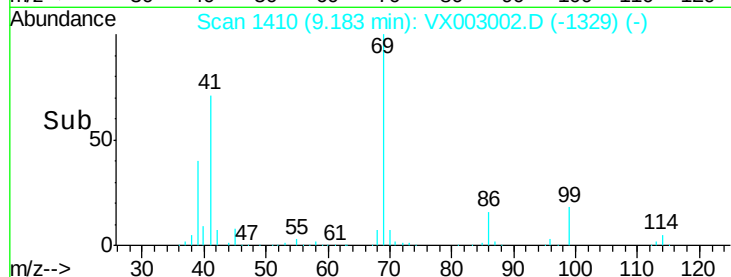
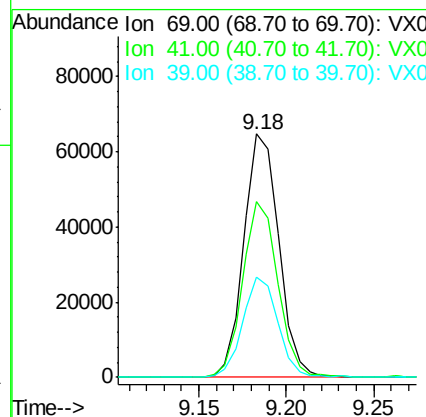
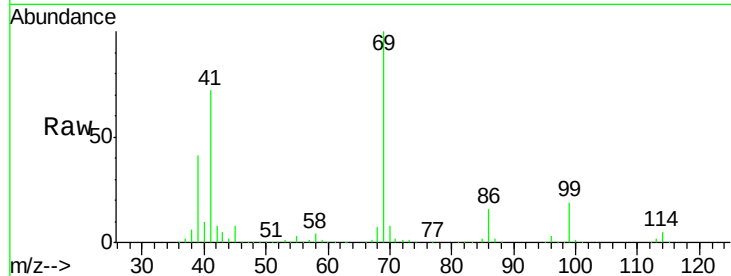
ClientSampleId :

VX0628WBSD02

Tot Ion:	69	Resp:	90415
Ion	Ratio	Lower	Upper
69	100		
41	72.1	39.1	117.3
39	40.9	21.7	65.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.09 ug/l

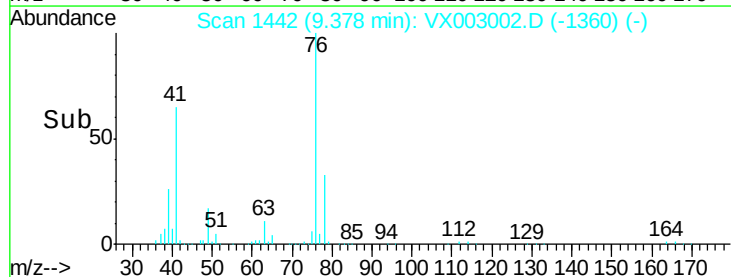
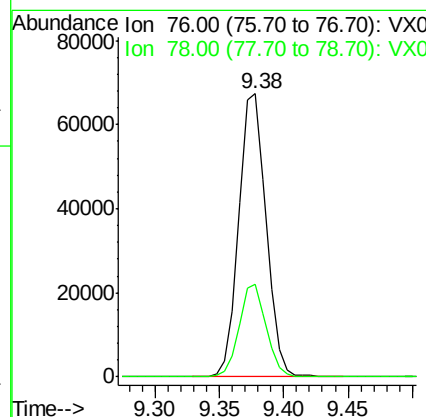
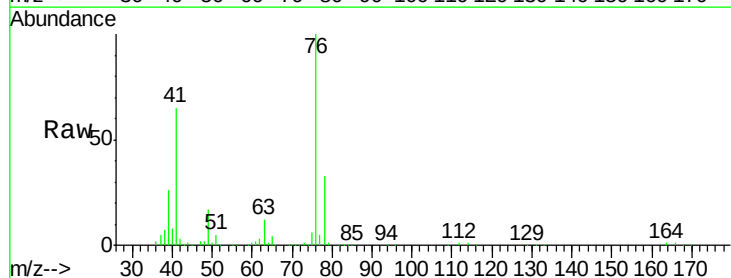
RT: 9.38 min Scan# 1442

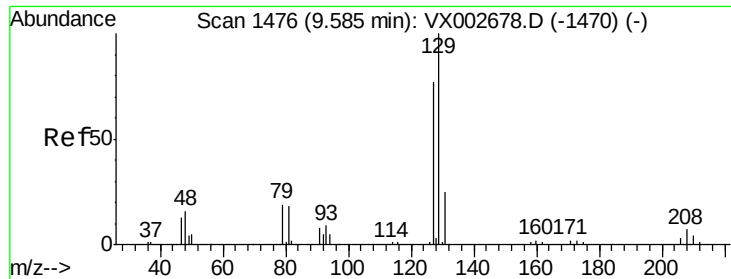
Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Tgt Ion:	76	Resp:	99728
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	63.4





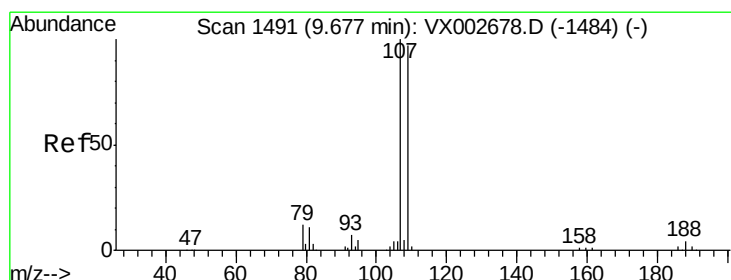
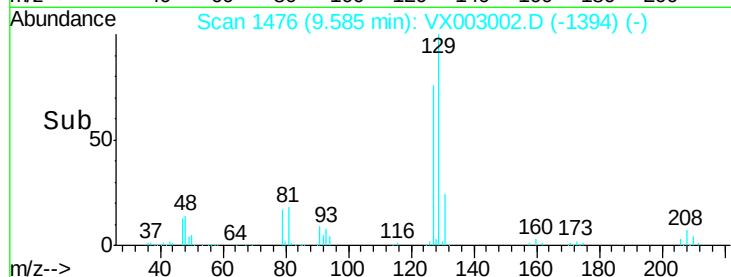
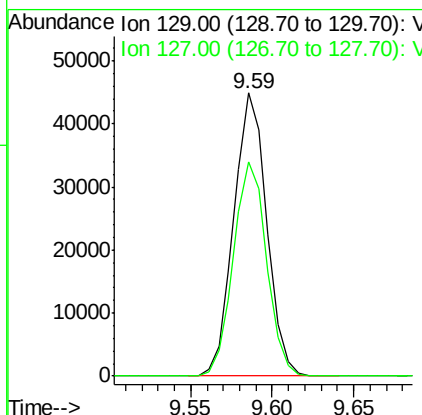
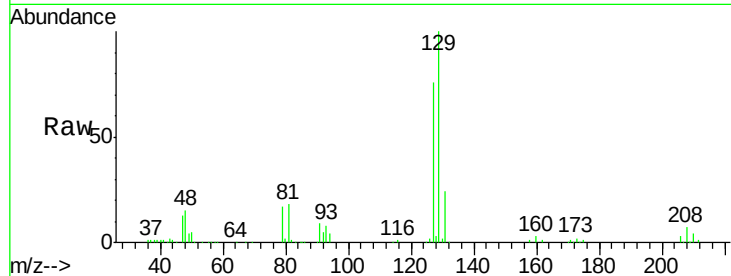
#53
 Dibromochloromethane
 Concen: 20.53 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD02

Tot Ion:129 Resp: 63093
 Ion Ratio Lower Upper
 129 100
 127 76.5 38.5 115.3

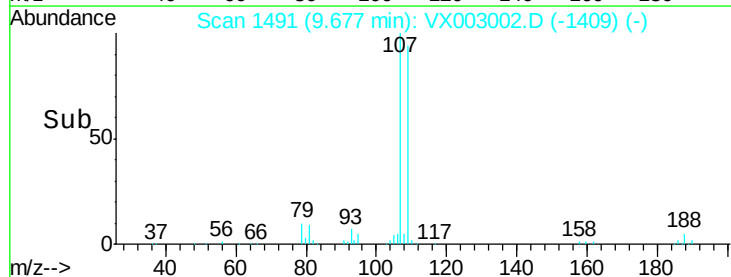
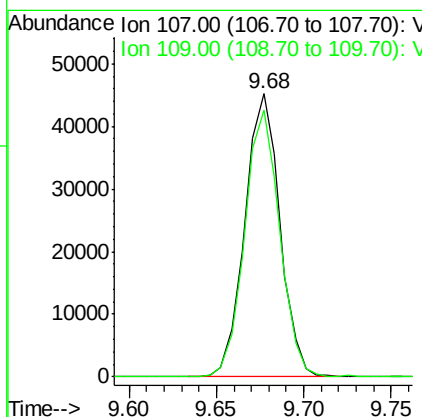
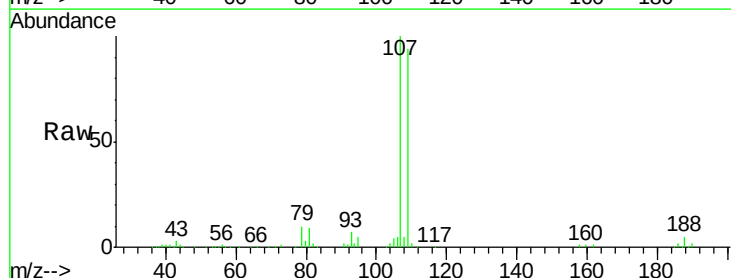
Manual Integrations
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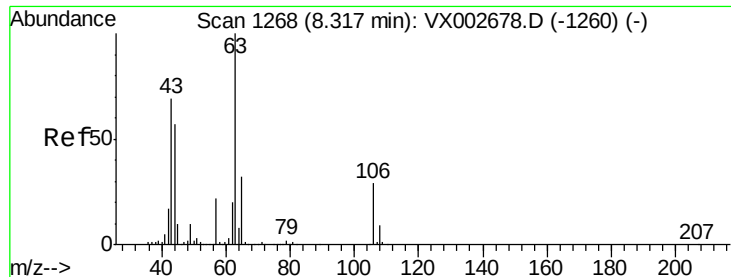
MMDadoda
 6/29/2018 12:22:50 PM



#54
 1,2-Dibromoethane
 Concen: 20.67 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Tgt Ion:107 Resp: 63069
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 25.19 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

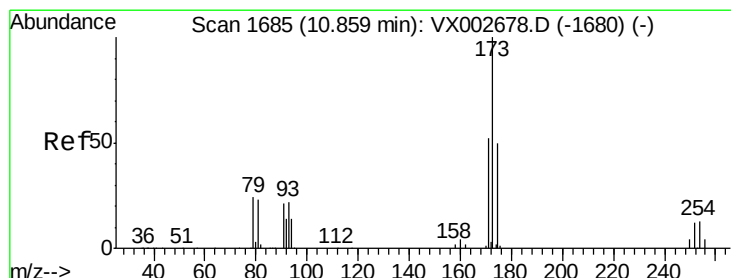
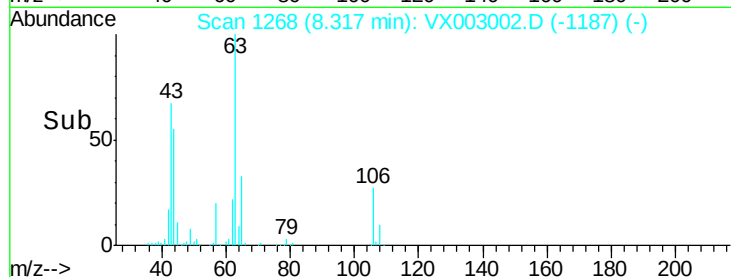
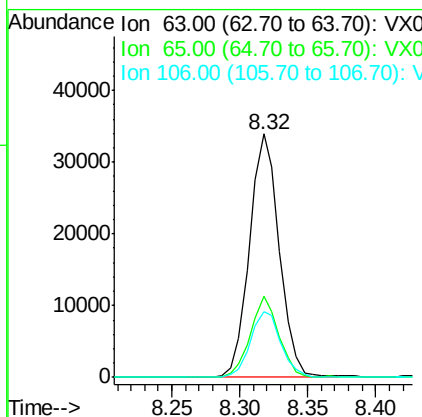
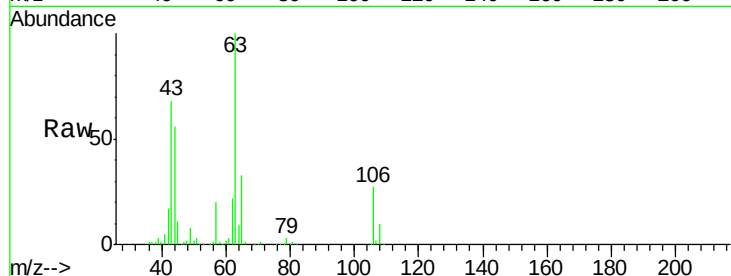
ClientSampleId :

VX0628WBSD02

Tot Ion:	63	Resp:	52299
Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.6	38.4
106	27.6	21.6	32.4

Manual Integrations
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#56

Bromoform

Concen: 19.97 ug/l

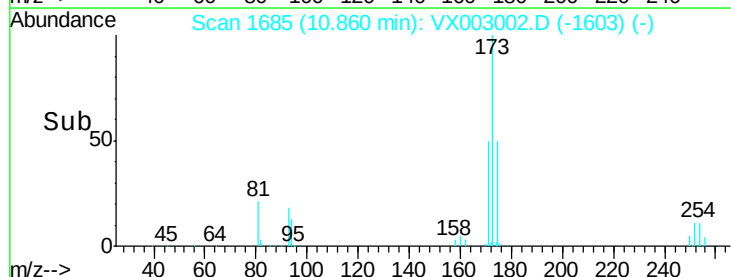
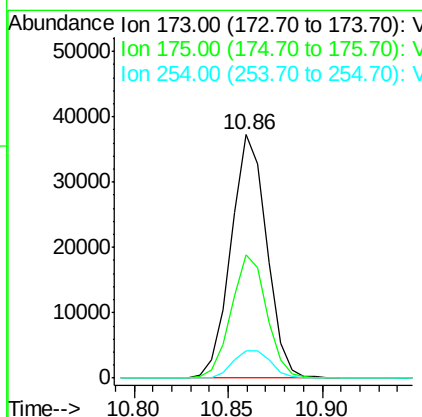
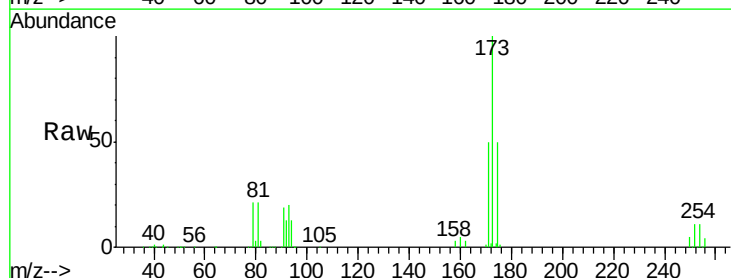
RT: 10.86 min Scan# 1685

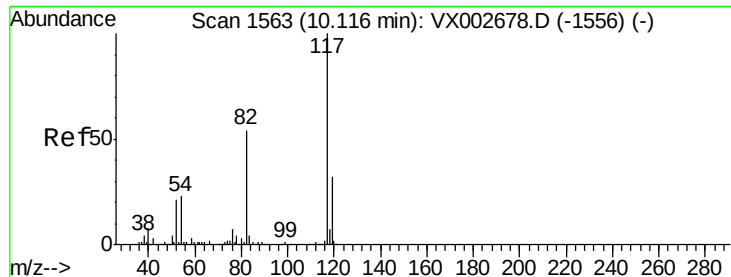
Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Tgt Ion:	173	Resp:	49012
Ion	Ratio	Lower	Upper
173	100		
175	50.0	39.0	58.4
254	12.0	9.6	14.4





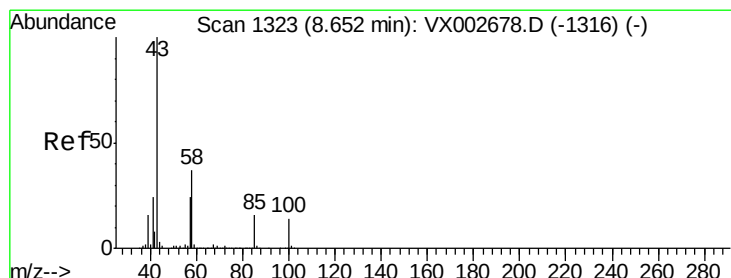
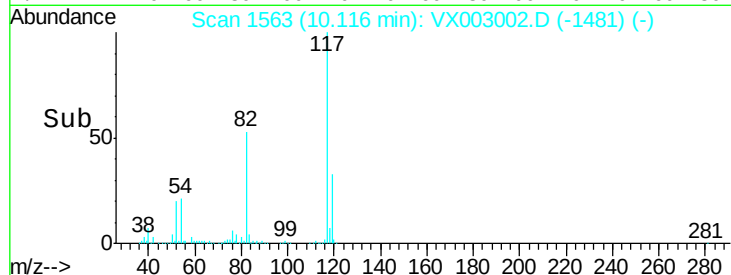
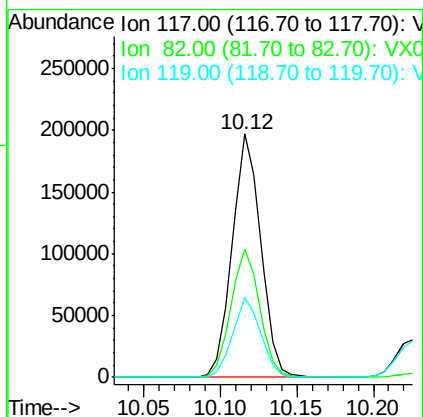
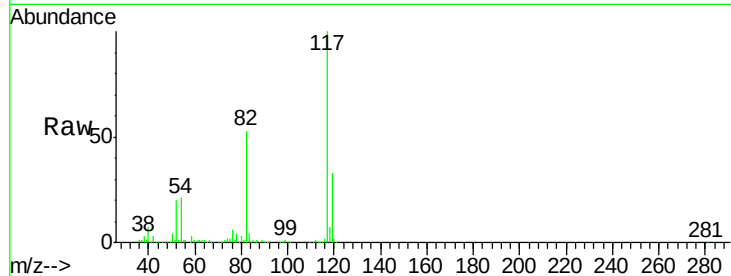
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	44.3	66.5
119	32.2	25.7	38.5

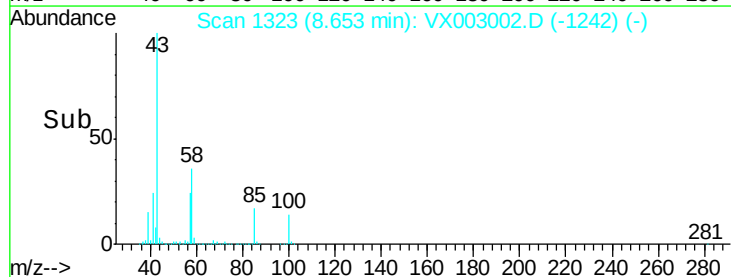
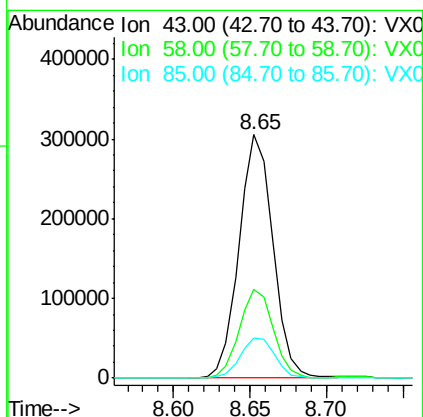
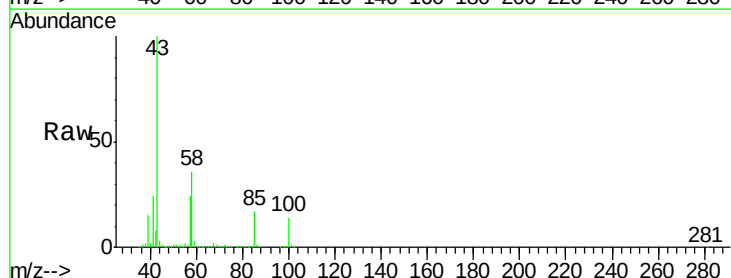
Manual Integrations
APPROVED

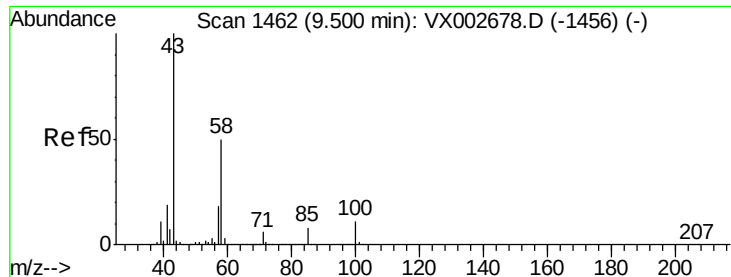
MMDadoda
6/29/2018 12:22:50 PM



#58
4-Methyl-2-Pentanone
Concen: 108.58 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.5	28.2	42.4
85	17.1	12.4	18.6





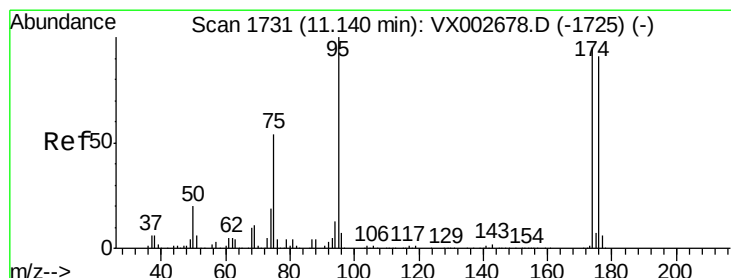
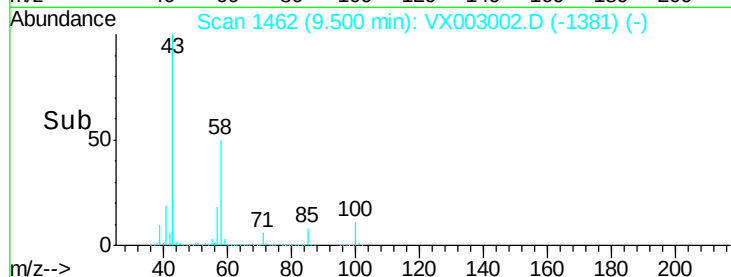
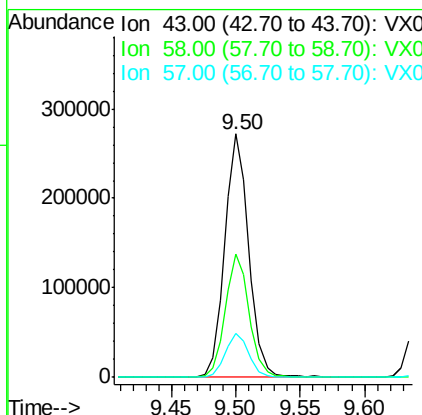
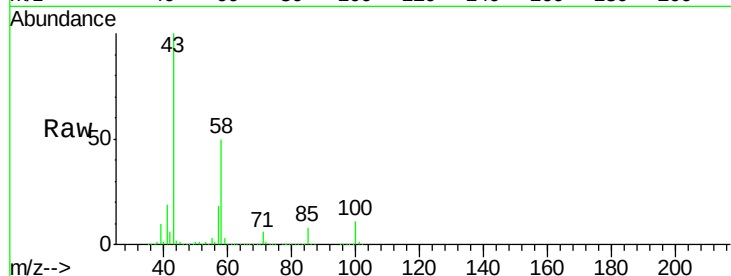
#59
2-Hexanone
Concen: 107.90 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
58	50.3	39.6	59.4	
57	17.9	14.1	21.1	

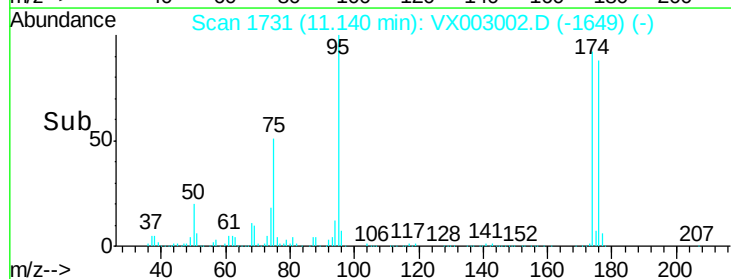
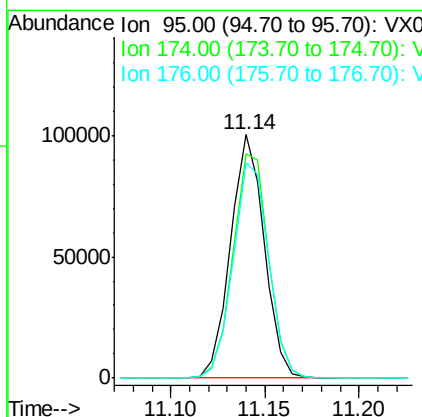
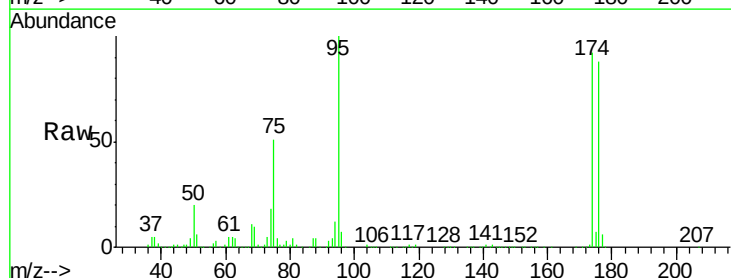
Manual Integrations
APPROVED

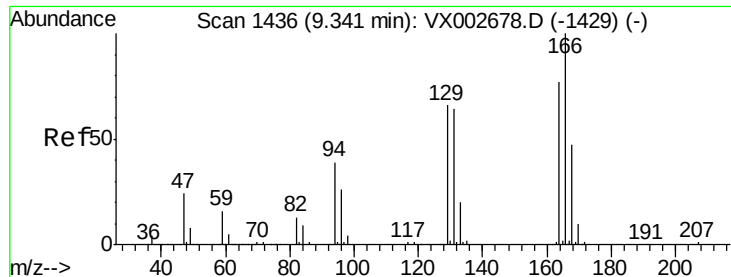
MMDadoda
6/29/2018 12:22:50 PM



#60
4-Bromofluorobenzene
Concen: 29.48 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
95	100			
174	97.6	71.8	107.6	
176	93.5	70.1	105.1	





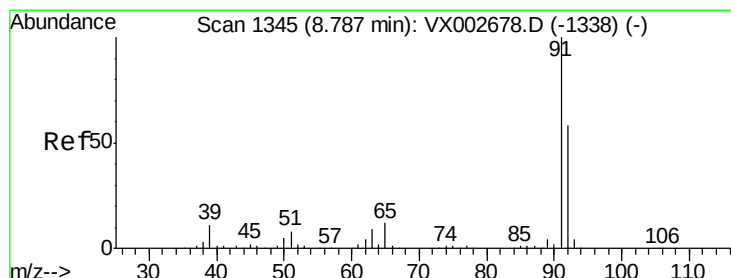
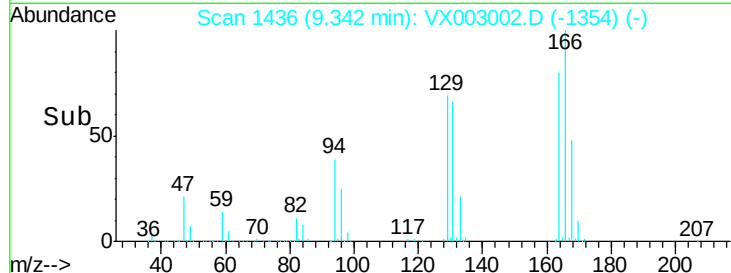
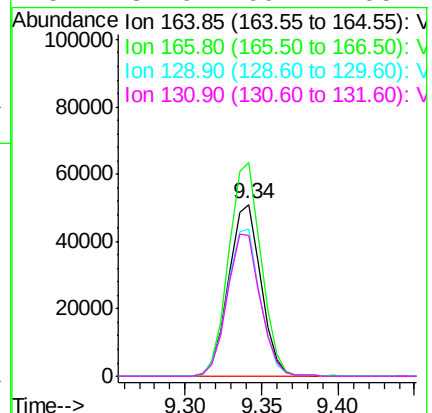
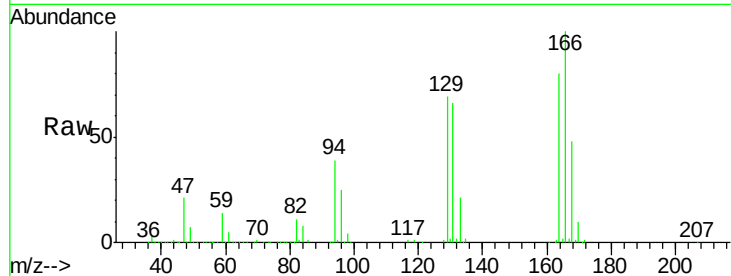
#61
Tetrachloroethene
 Concen: 21.40 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD02

Tot Ion:	164	Resp:	74788
Ion	Ratio	Lower	Upper
164	100		
166	124.2	102.4	153.6
129	85.5	70.1	105.1
131	81.6	69.1	103.7

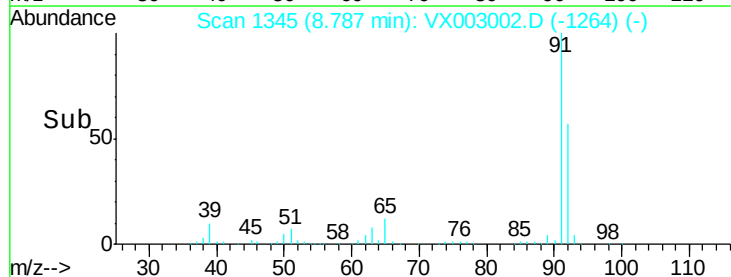
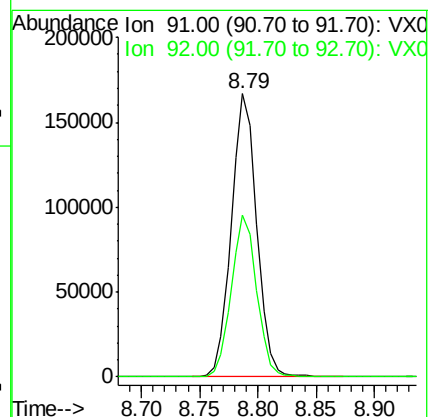
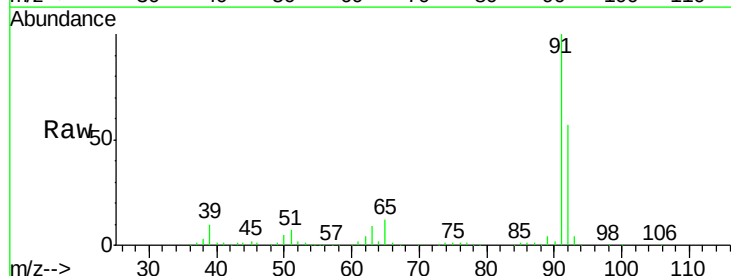
Manual Integrations
 APPROVED

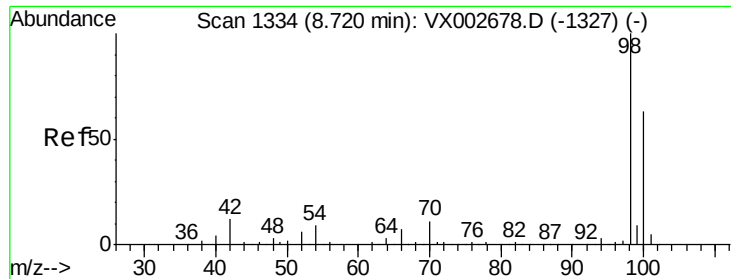
MMDadoda
 6/29/2018 12:22:50 PM



#62
Toluene
 Concen: 20.65 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Tgt Ion:	91	Resp:	253444
Ion	Ratio	Lower	Upper
91	100		
92	57.2	46.5	69.7





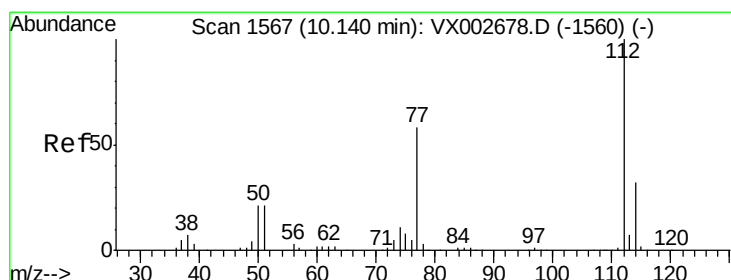
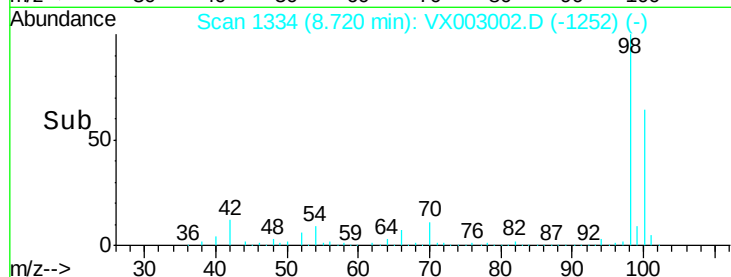
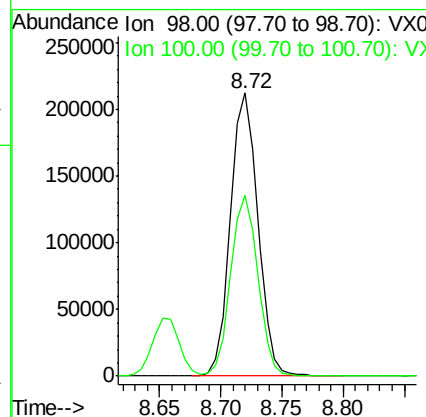
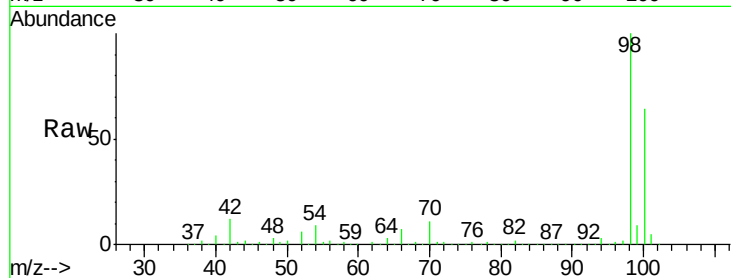
#63
Toluene-d8
Concen: 29.75 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD02

Tot Ion: 98 Resp: 330864
Ion Ratio Lower Upper
98 100
100 62.6 50.8 76.2

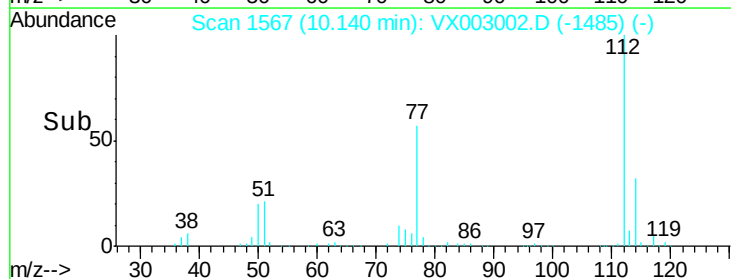
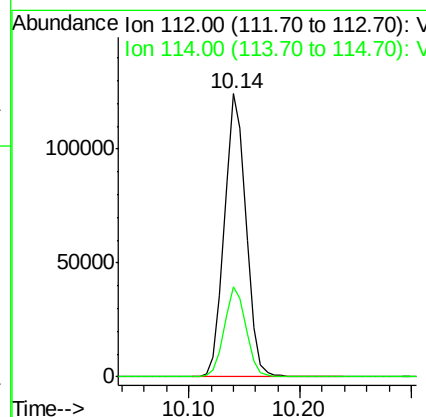
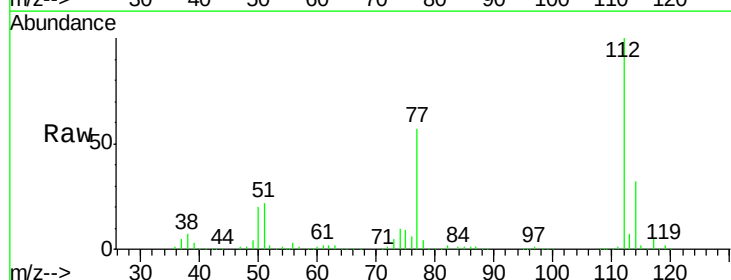
Manual Integrations
APPROVED

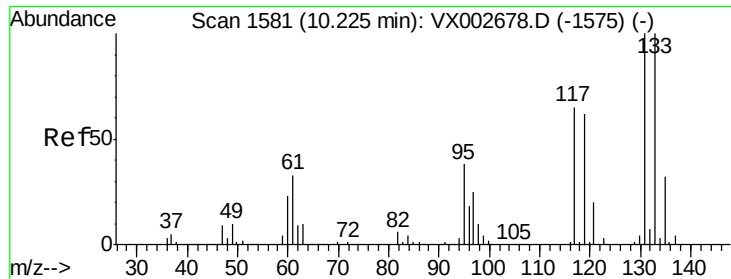
MMDadoda
6/29/2018 12:22:50 PM



#64
Chlorobenzene
Concen: 20.50 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Tgt Ion: 112 Resp: 167157
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.73 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

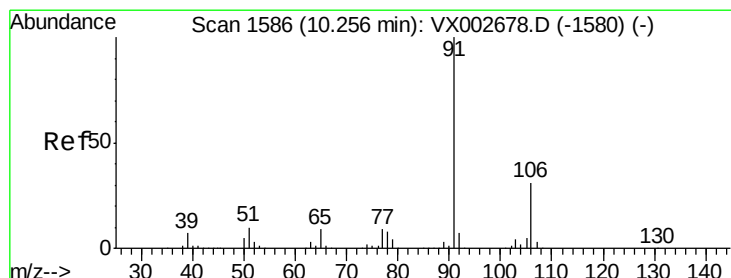
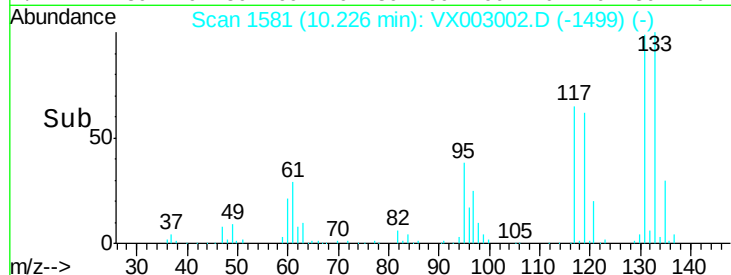
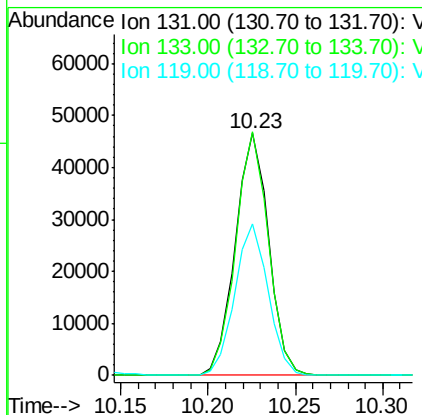
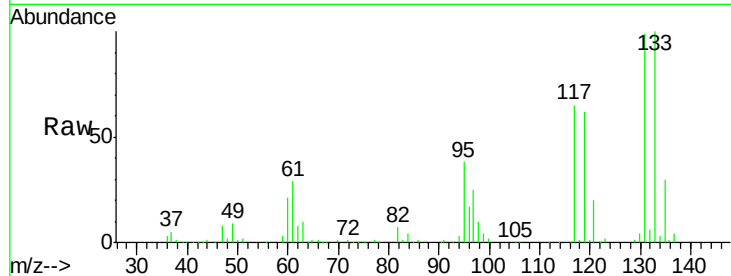
ClientSampleId :

VX0628WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
131	100	61968		
133	97.8	0.0	191.2	
119	62.6	0.0	125.4	

Manual Integrations
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6/29/2018 12:22:50 PM



#66

Ethyl Benzene

Concen: 20.08 ug/l

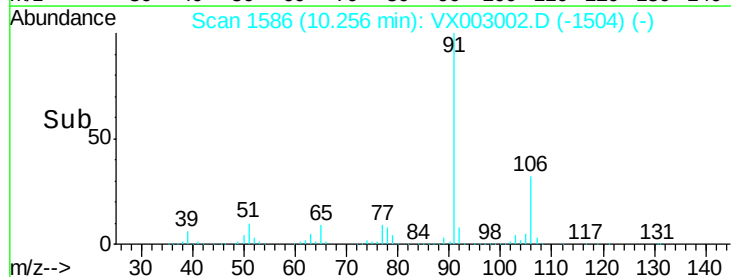
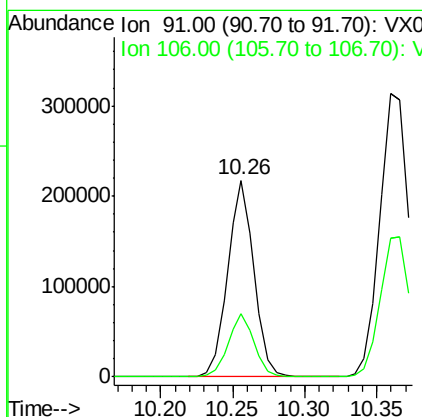
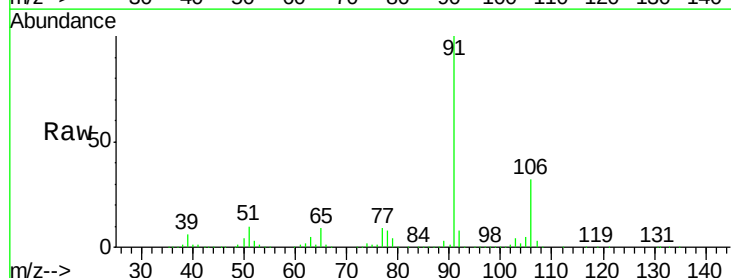
RT: 10.26 min Scan# 1586

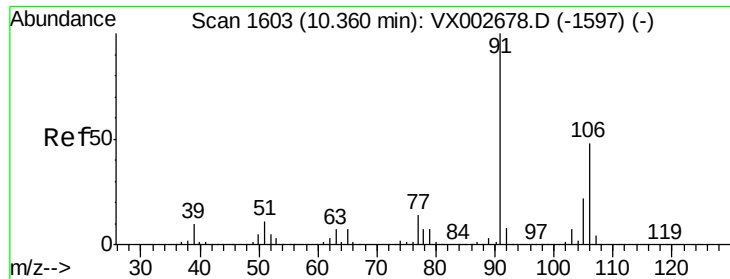
Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	277572		
106	31.9	25.2	37.8	





#67

m/p-Xylenes

Concen: 40.38 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD02

Tot Ion:106 Resp: 216883

Ion Ratio Lower Upper

106 100

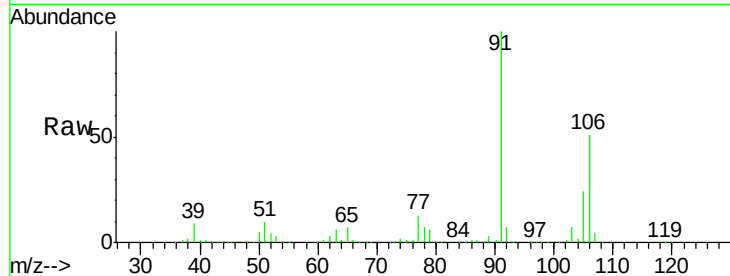
91 200.3 164.1 246.1

Manual Integrations

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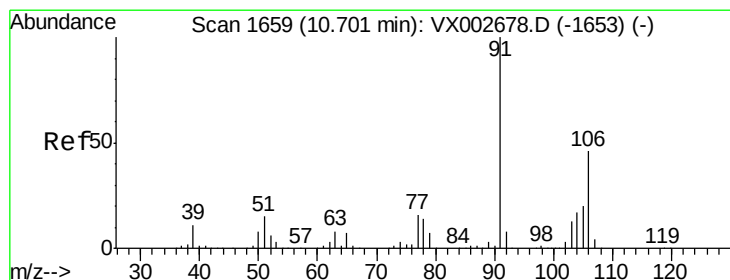
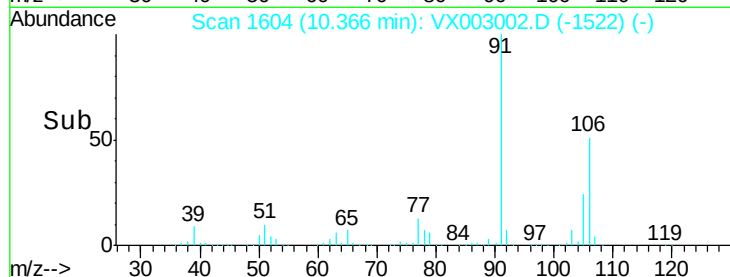
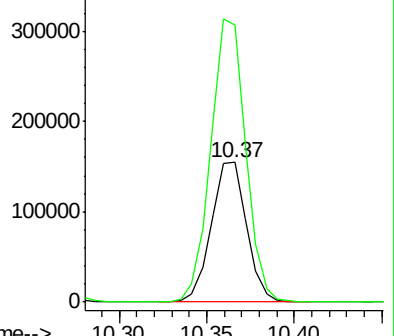
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 20.04 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX003002.D

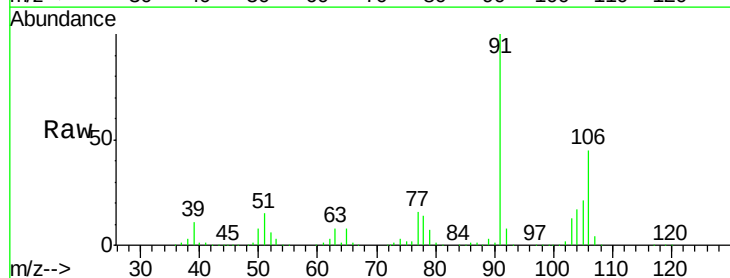
Acq: 28 Jun 2018 22:45

Tgt Ion:106 Resp: 104891

Ion Ratio Lower Upper

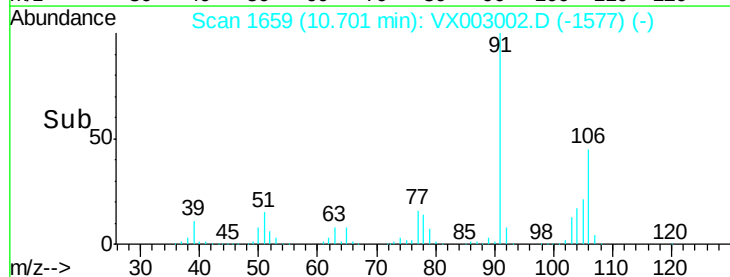
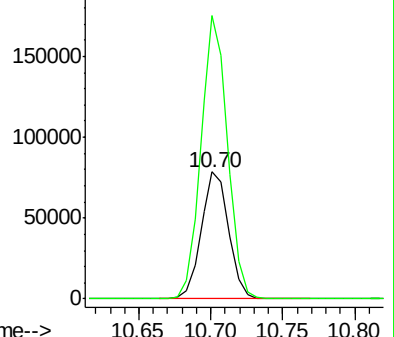
106 100

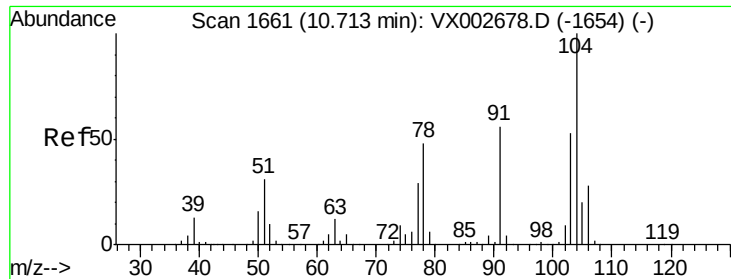
91 214.5 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





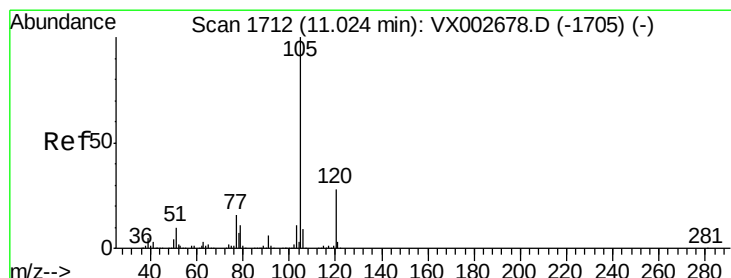
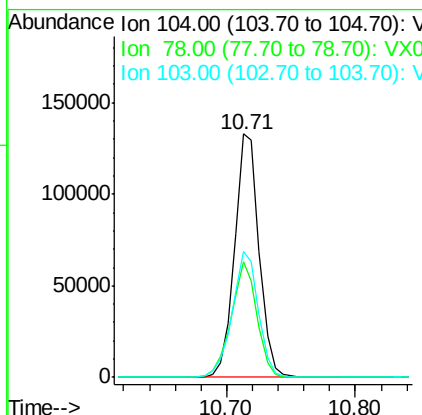
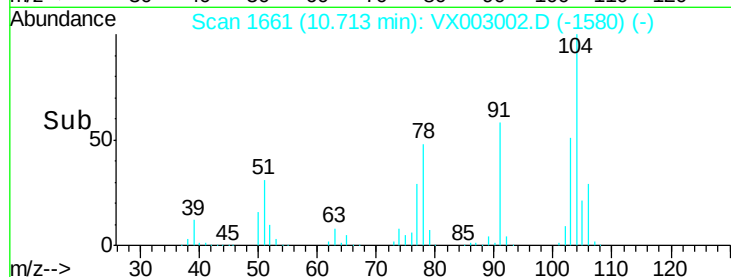
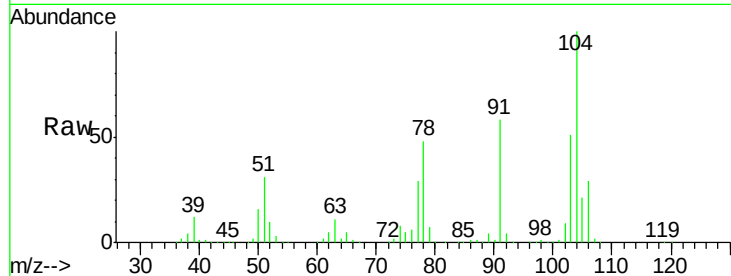
#69
Stvrene
Concen: 20.14 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD02

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.1	41.8	62.8
103	55.3	44.9	67.3

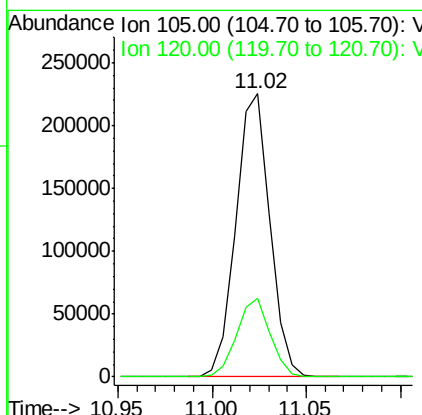
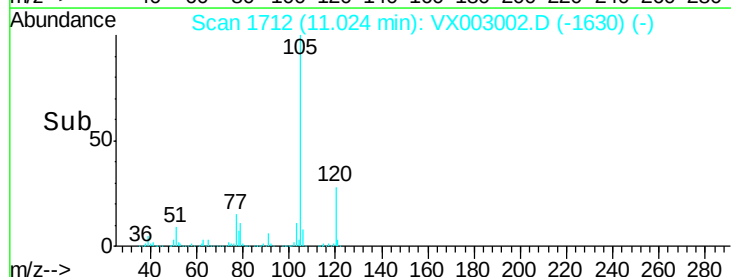
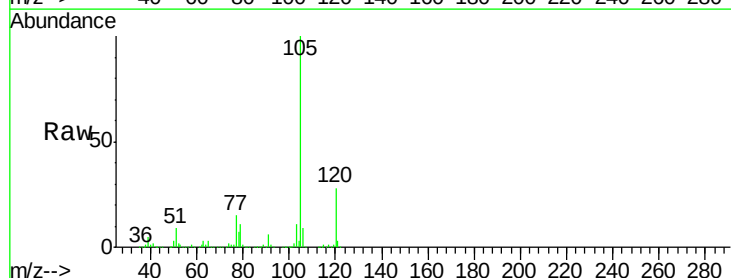
Manual Integrations
APPROVED

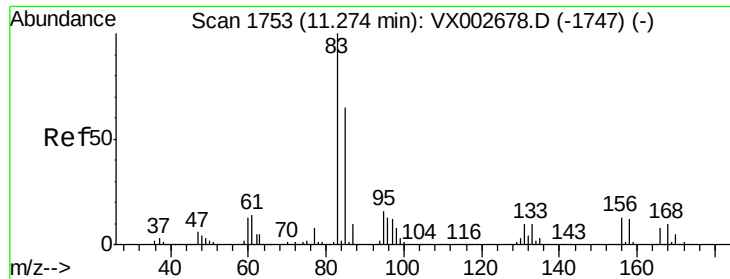
MMDadoda
6/29/2018 12:22:50 PM



#70
Isopropylbenzene
Concen: 19.53 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	19.0	35.2





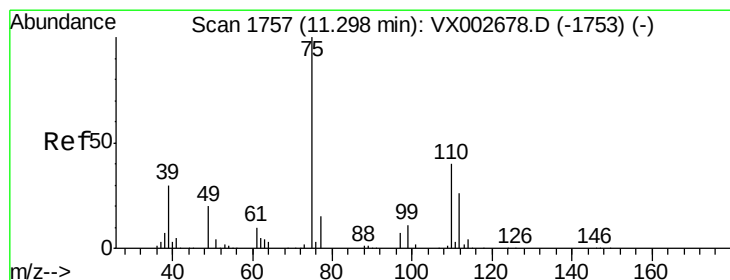
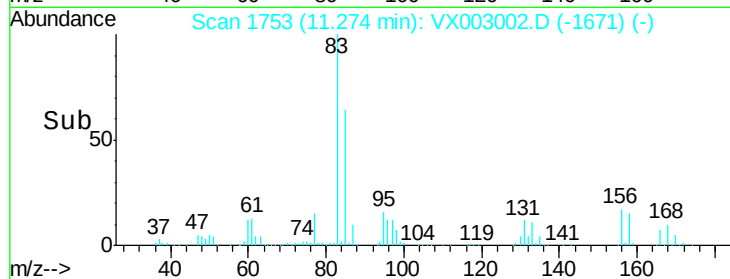
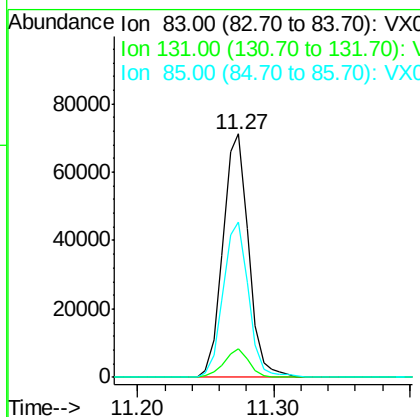
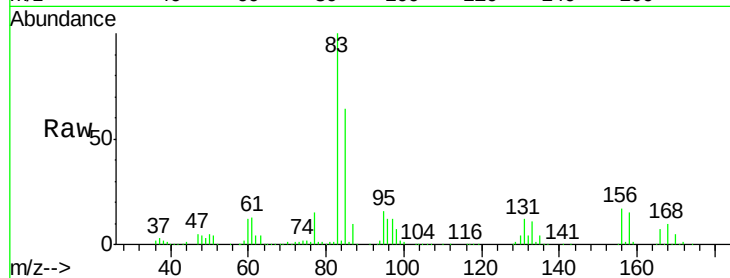
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.56 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD02

Tot Ion	83	Resp	93026
Ion Ratio	100	Lower	Upper
83	100		
131	11.2	5.4	16.2
85	63.2	32.4	97.2

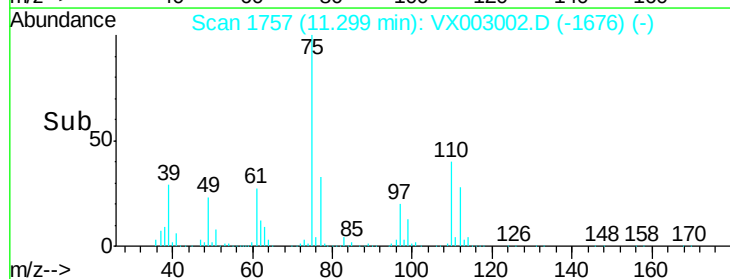
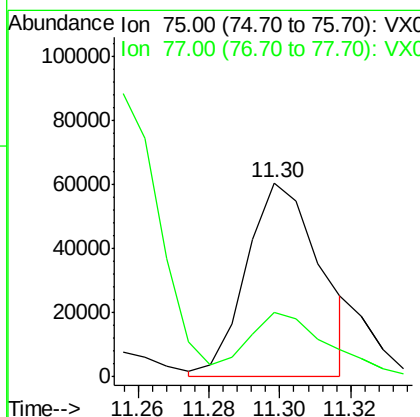
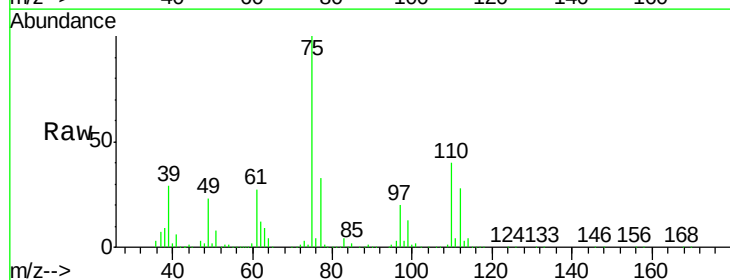
Manual Integrations
 APPROVED

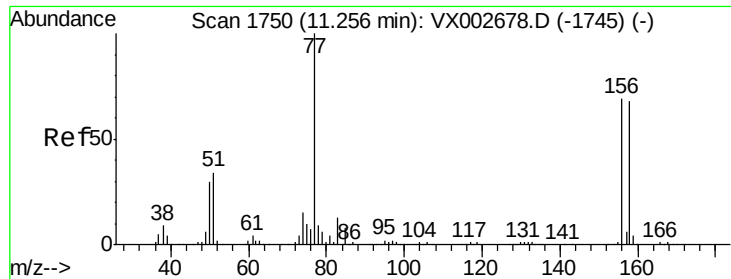
MMDadoda
 6/29/2018 12:22:50 PM



#72
 1,2,3-Trichloropropane
 Concen: 23.45 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Tgt Ion	75	Resp	87683
Ion Ratio	100	Lower	Upper
75	100		
77	36.4	0.0	71.8





#73

Bromobenzene

Concen: 19.93 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD02

Tot Ion:156 Resp: 79973

Ion Ratio Lower Upper

156 100

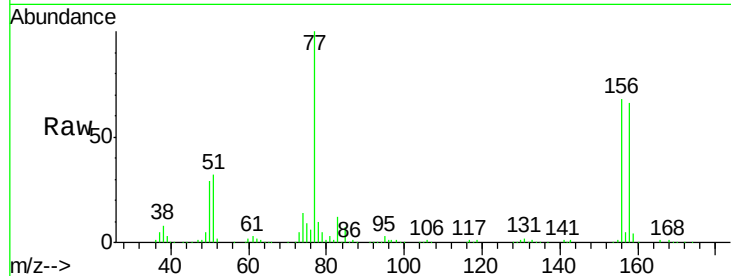
77 139.9 0.0 301.0

158 97.8 0.0 196.2

Manual Integrations
APPROVED

MMDadoda

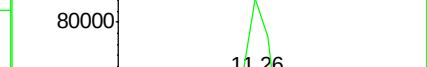
6/29/2018 12:22:50 PM



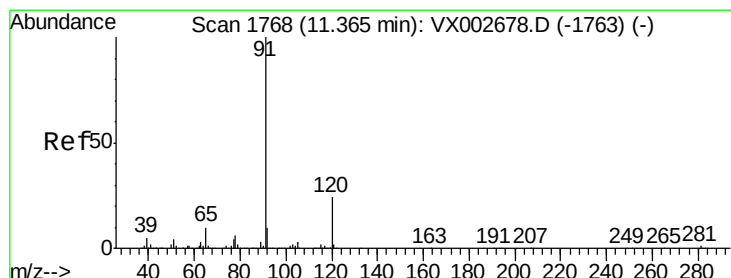
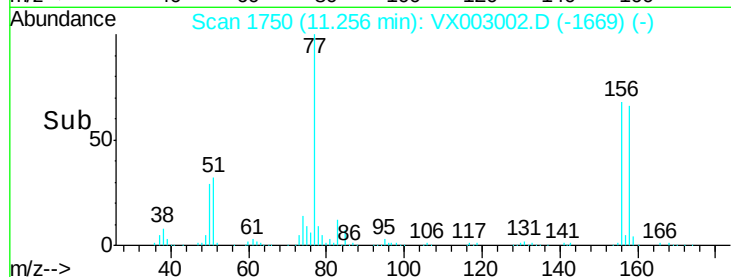
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



Time-->



#74

n-propylbenzene

Concen: 18.60 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003002.D

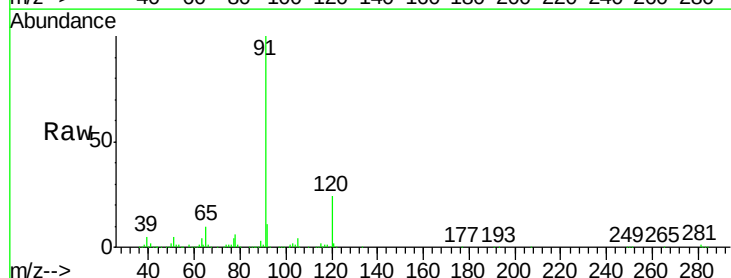
Acq: 28 Jun 2018 22:45

Tgt Ion: 91 Resp: 311584

Ion Ratio Lower Upper

91 100

120 23.8 0.0 46.2

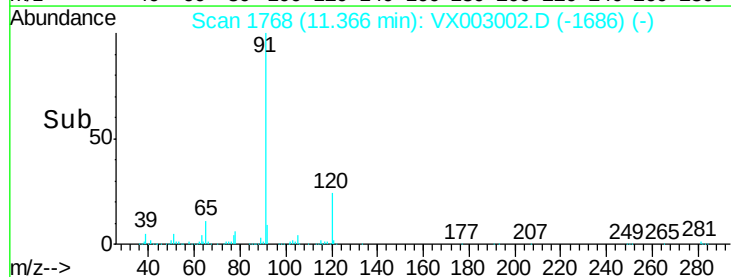


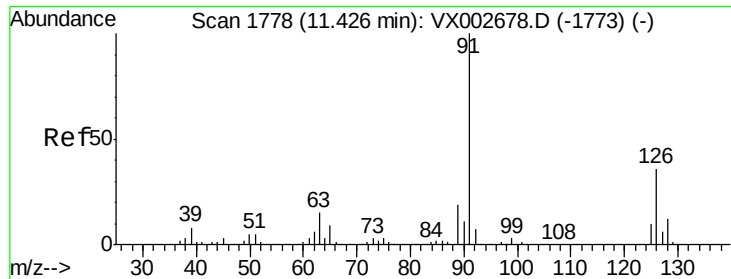
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time-->





#75

2-Chlorotoluene

Concen: 19.88 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD02

Tot Ion: 91 Resp: 193762

Ion Ratio Lower Upper

91 100

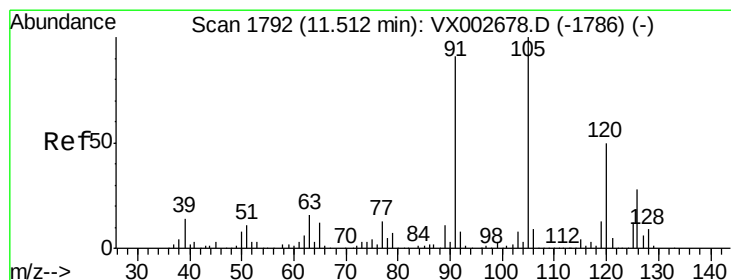
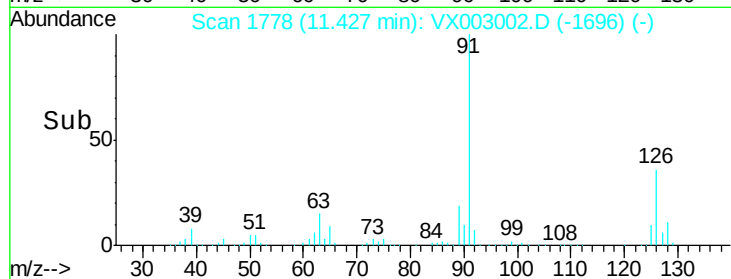
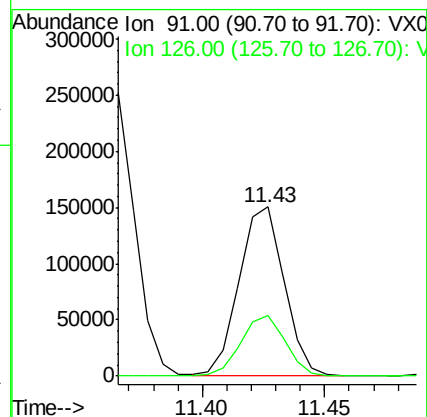
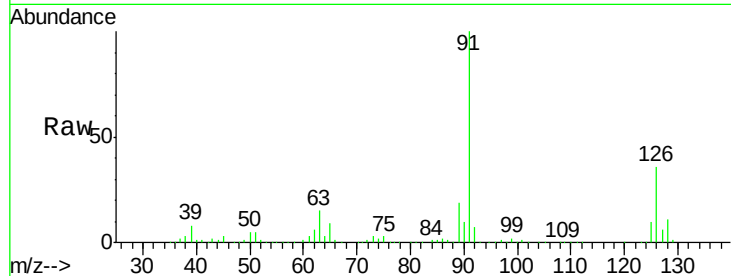
126 35.5 0.0 69.4

Manual Integrations

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6/29/2018 12:22:50 PM



#76

1,3,5-Trimethylbenzene

Concen: 19.07 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003002.D

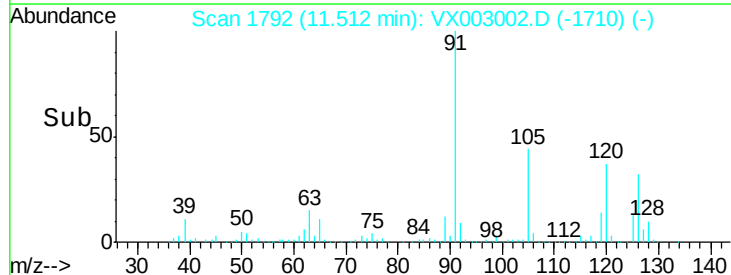
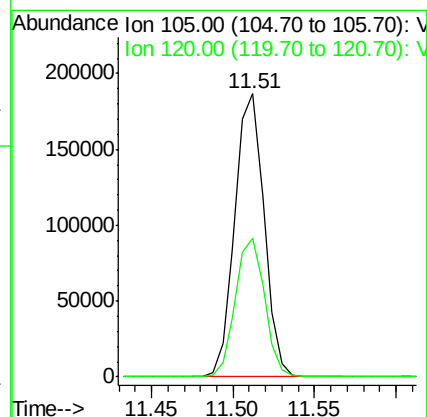
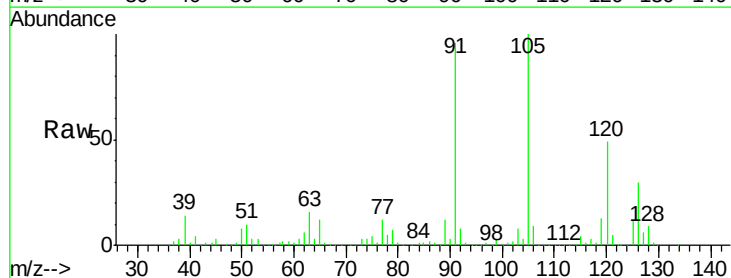
Acq: 28 Jun 2018 22:45

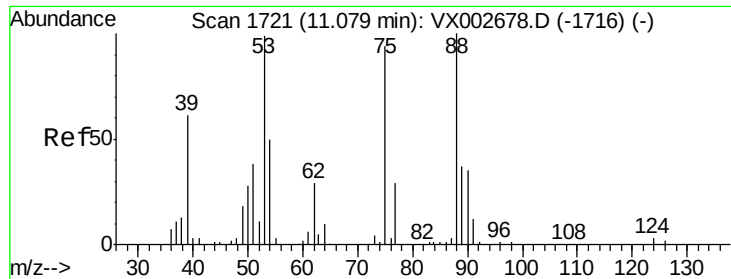
Tgt Ion: 105 Resp: 233662

Ion Ratio Lower Upper

105 100

120 48.9 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 16.10 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD02

Tot Ion: 75 Resp: 19365

Ion Ratio Lower Upper

75 100

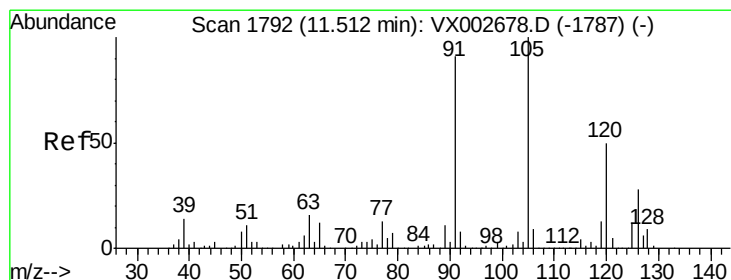
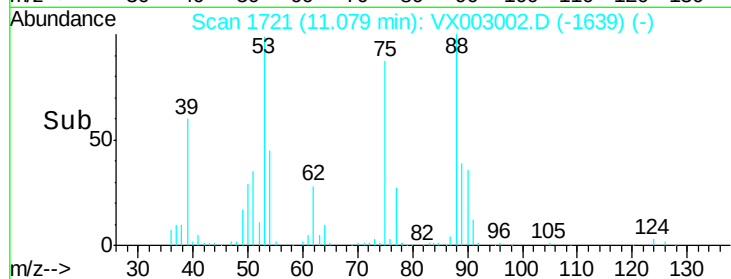
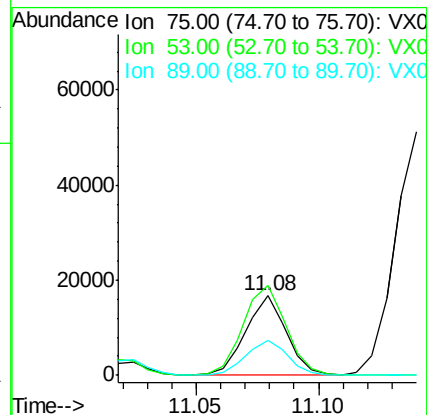
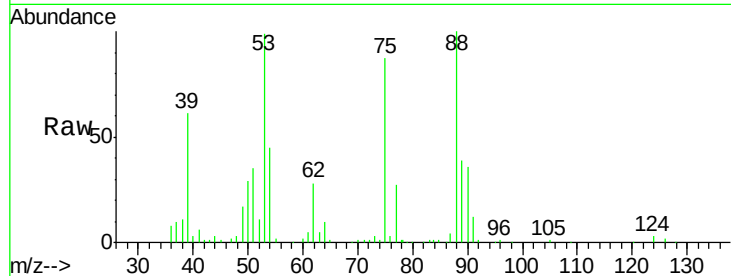
53 114.1 48.3 144.9

89 44.7 21.8 65.4

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.41 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003002.D

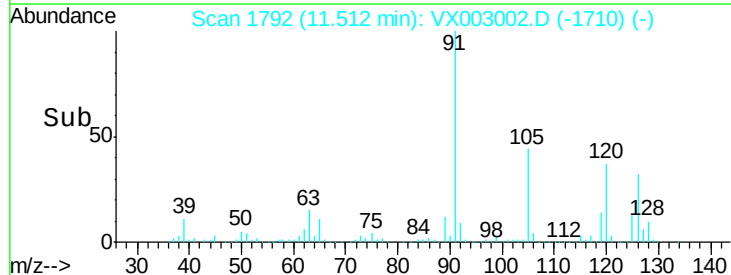
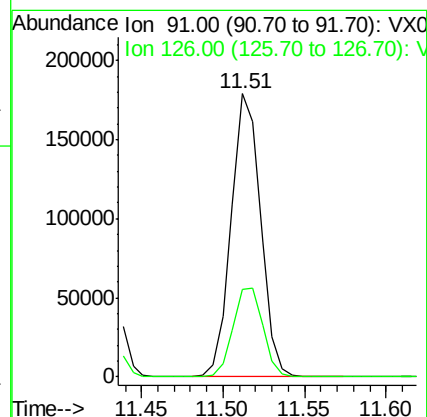
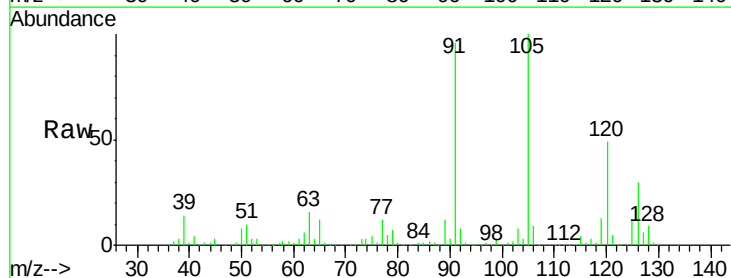
Acq: 28 Jun 2018 22:45

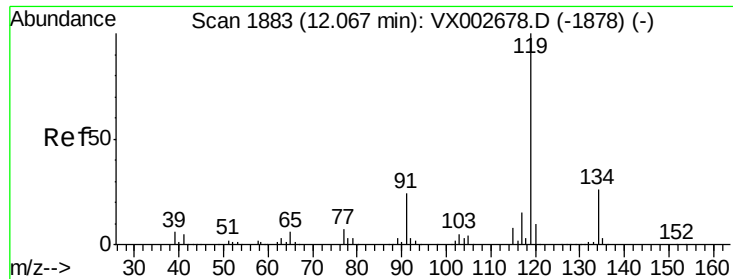
Tgt Ion: 91 Resp: 224170

Ion Ratio Lower Upper

91 100

126 32.0 0.0 61.0





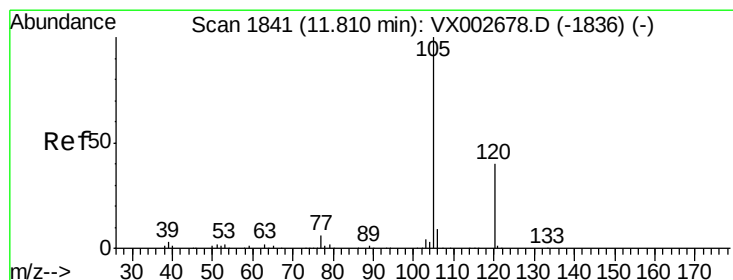
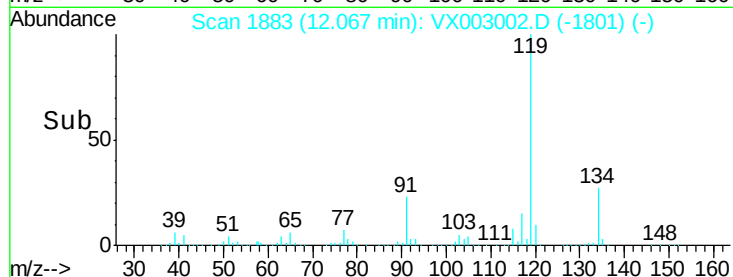
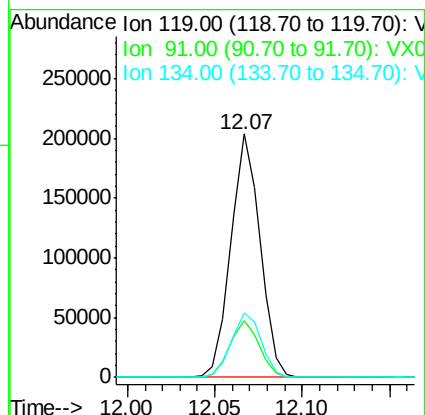
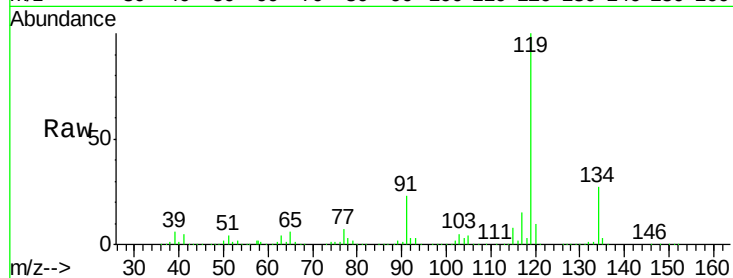
#79
tert-butylbenzene
Concen: 17.56 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	237287		
91	23.4	0.0	48.0	
134	27.2	0.0	52.6	

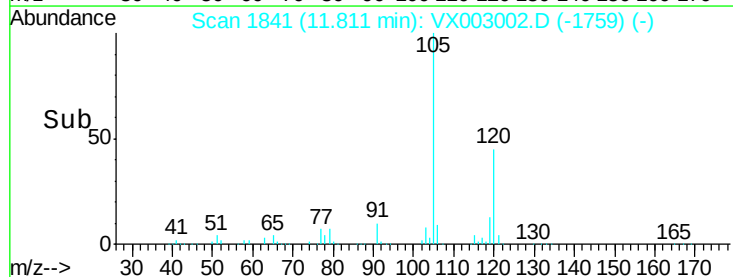
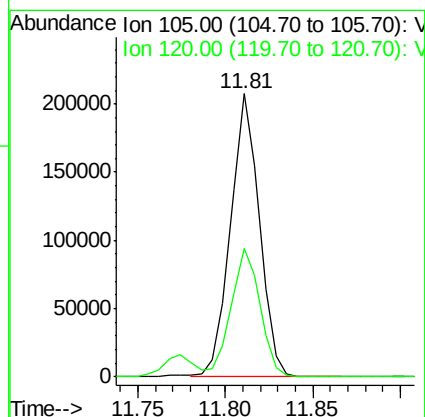
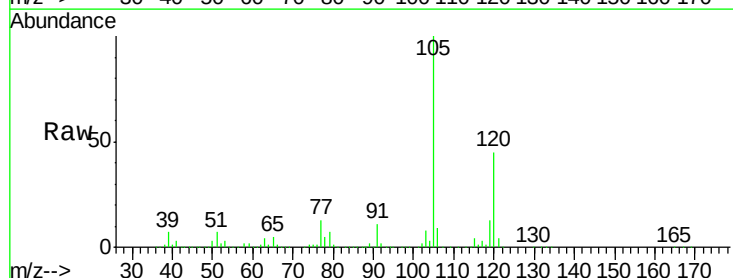
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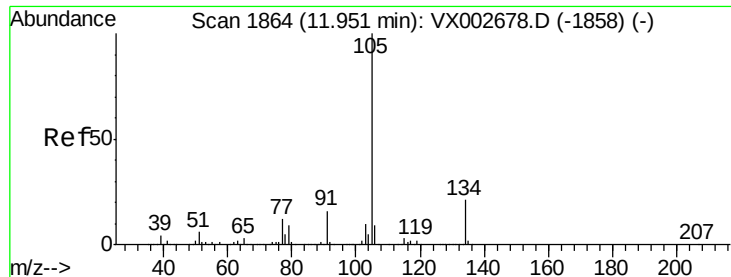
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#80
1,2,4-Trimethylbenzene
Concen: 18.99 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	237576		
120	45.9	0.0	89.2	





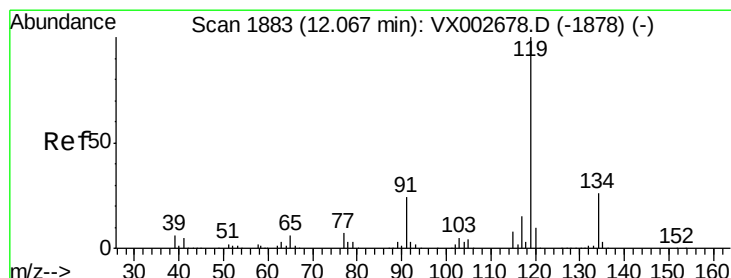
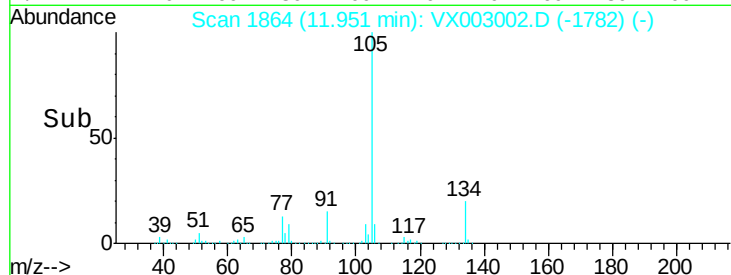
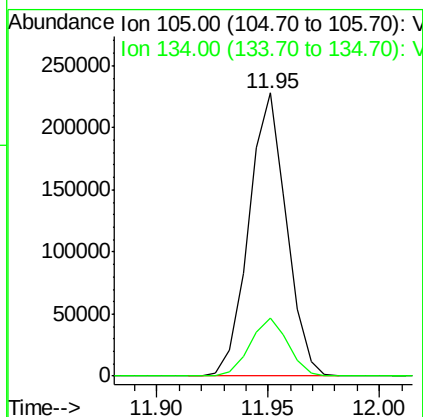
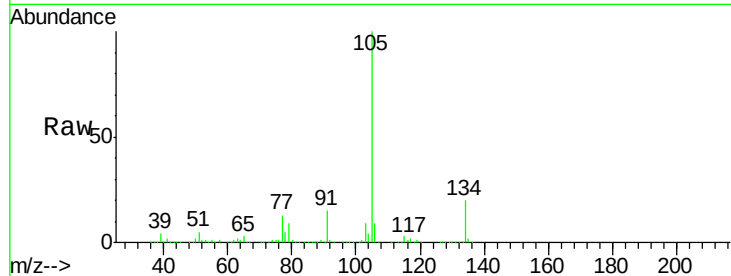
#81
 sec-Butylbenzene
 Concen: 17.88 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0628WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	268016		
134	20.8	0.0	41.6	

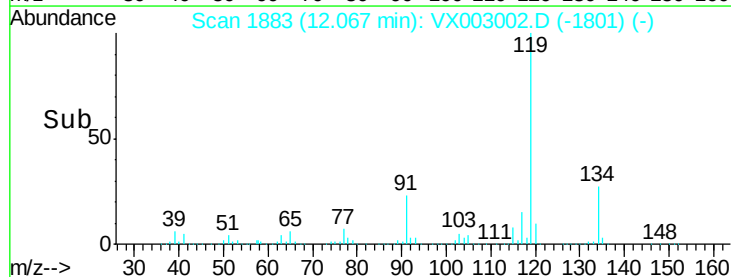
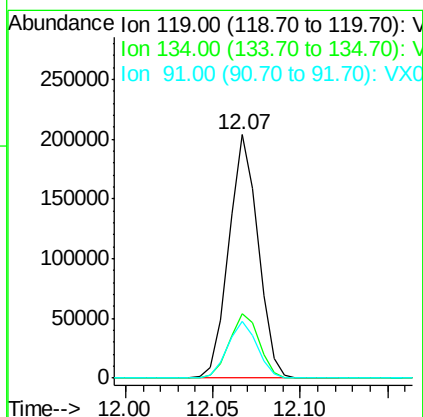
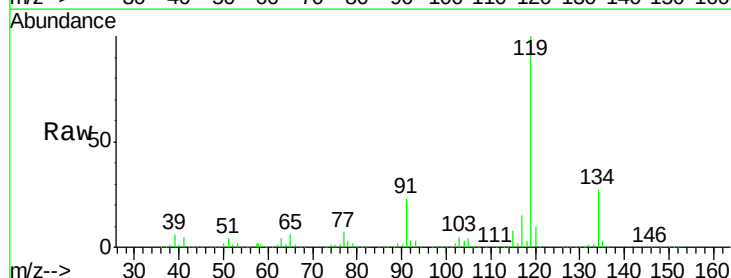
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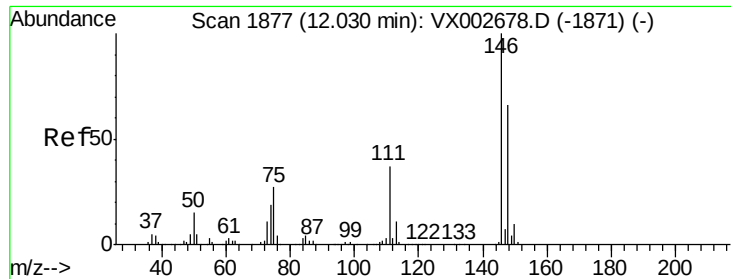
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#82
 p-Isopropyltoluene
 Concen: 17.56 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	237287		
134	27.2	0.0	52.6	
91	23.4	0.0	48.0	





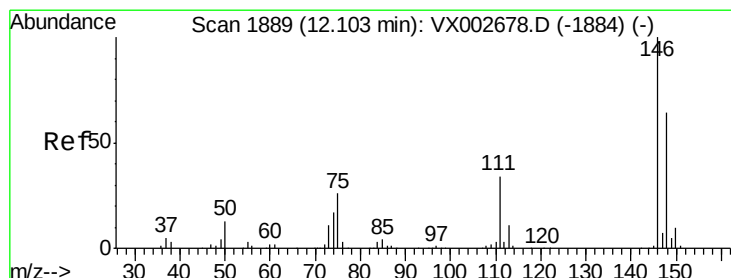
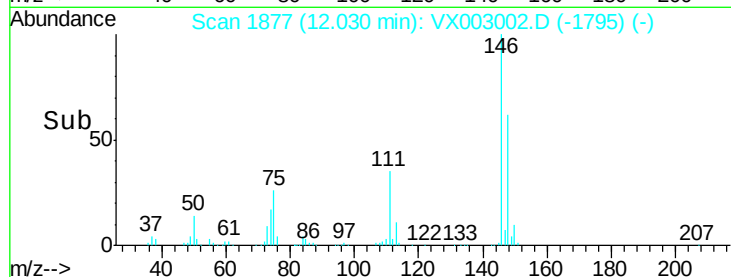
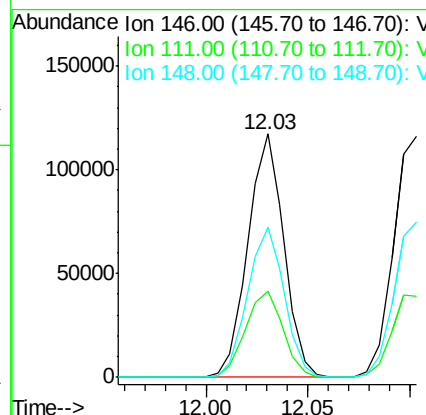
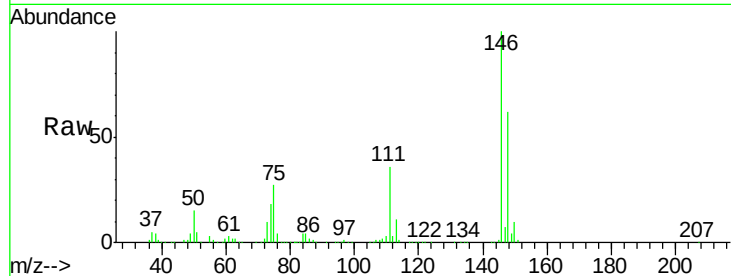
#83
 1,3-Dichlorobenzene
 Concen: 19.43 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.5
148	63.1	31.9	95.7

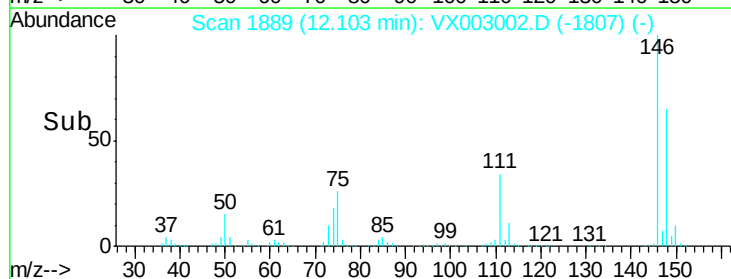
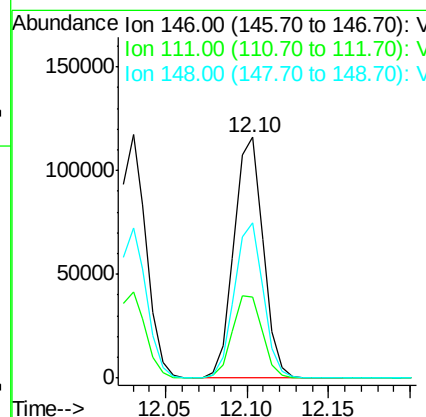
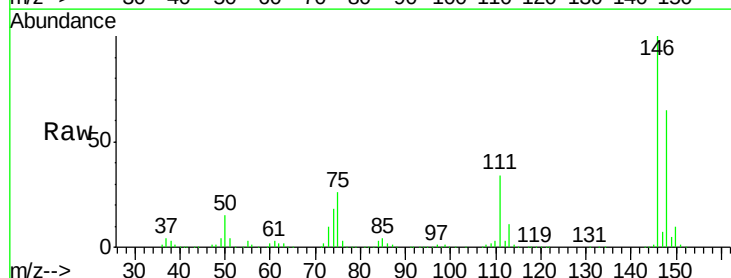
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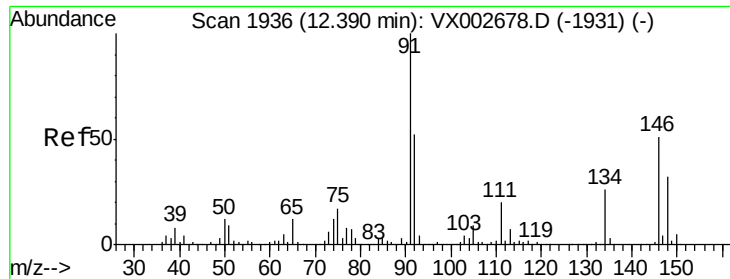
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#84
 1,4-Dichlorobenzene
 Concen: 19.44 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	18.5	55.5
148	63.9	32.0	96.0





#85

n-Butylbenzene

Concen: 16.31 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Instrument :

MSVOA_X

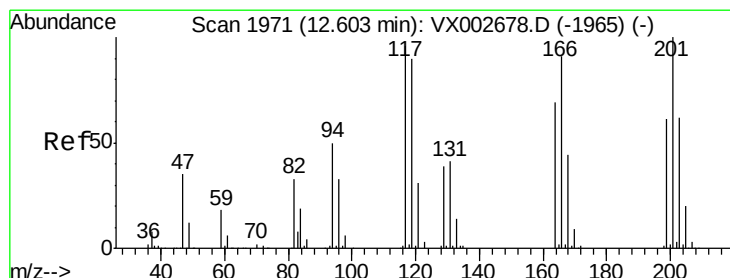
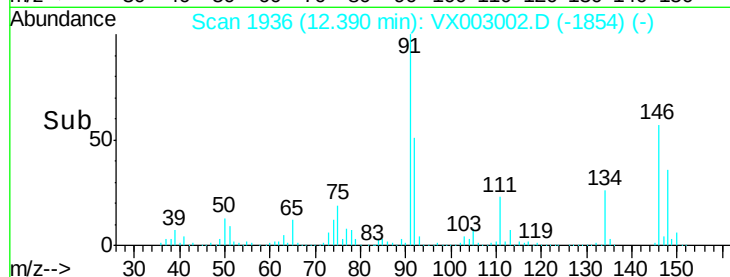
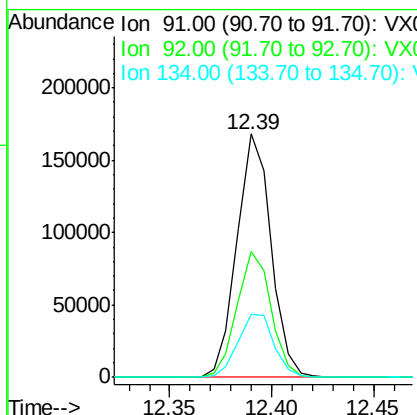
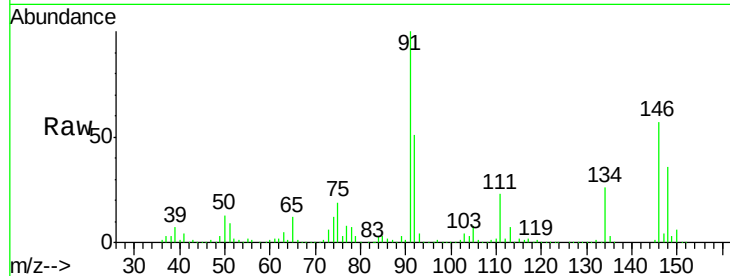
ClientSampleId :

VX0628WBSD02

Tot Ion:	91	Resp:	195429
Ion Ratio	Lower	Upper	
91	100		
92	51.6	0.0	105.2
134	27.5	0.0	53.2

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#86

Hexachloroethane

Concen: 16.14 ug/l

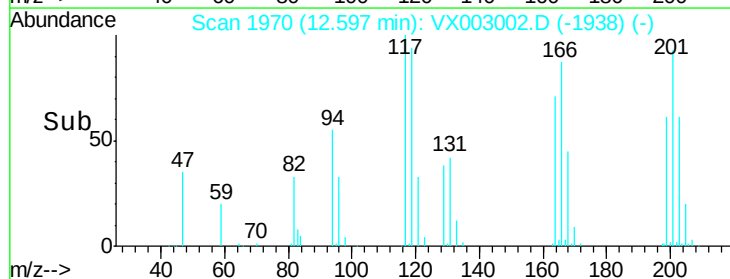
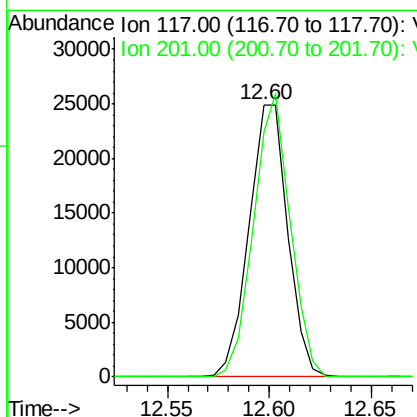
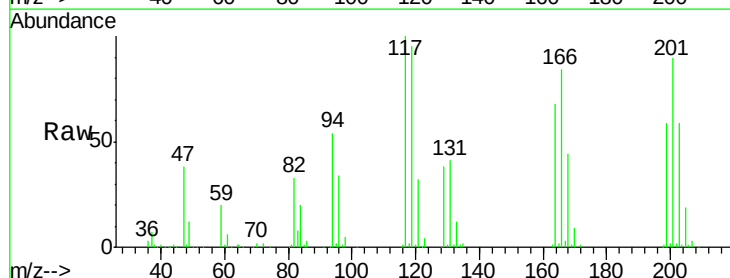
RT: 12.60 min Scan# 1970

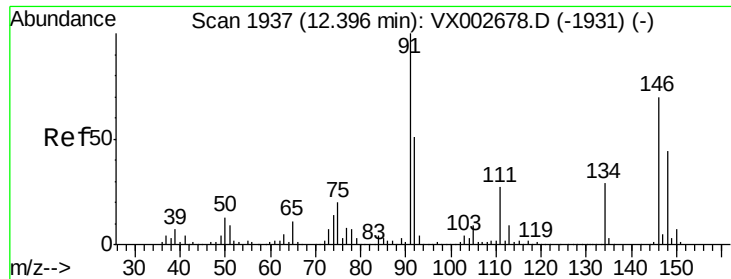
Delta R.T. -0.01 min

Lab File: VX003002.D

Acq: 28 Jun 2018 22:45

Tgt Ion:	117	Resp:	33061
Ion Ratio	Lower	Upper	
117	100		
201	97.6	47.6	142.8





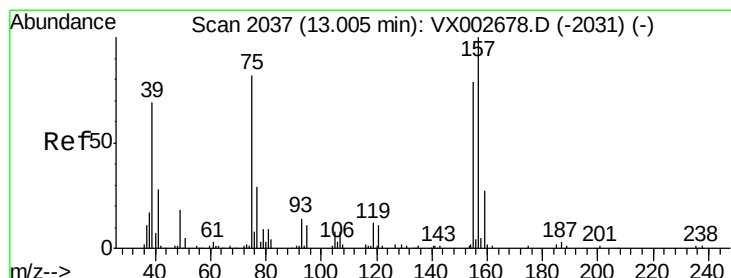
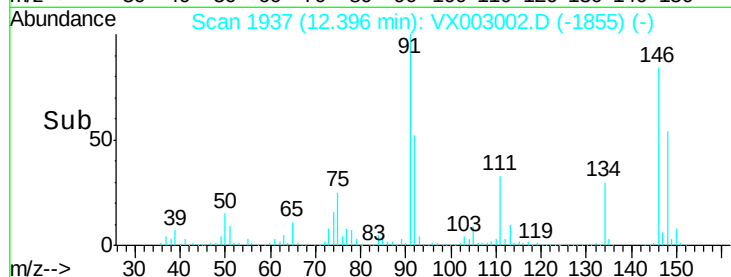
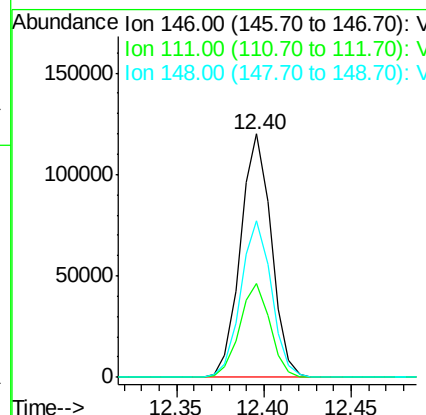
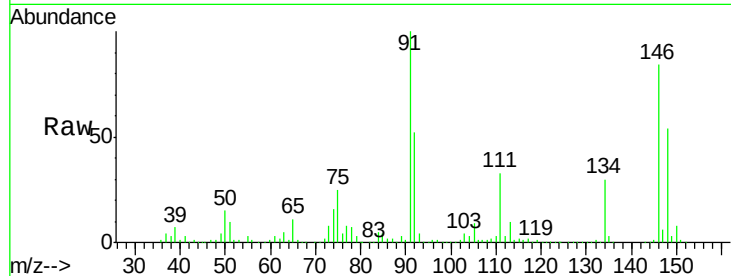
#87
 1,2-Dichlorobenzene
 Concen: 19.74 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.0	59.9
148	64.0	32.8	98.3

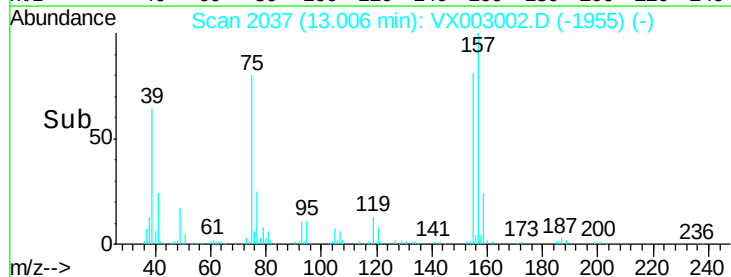
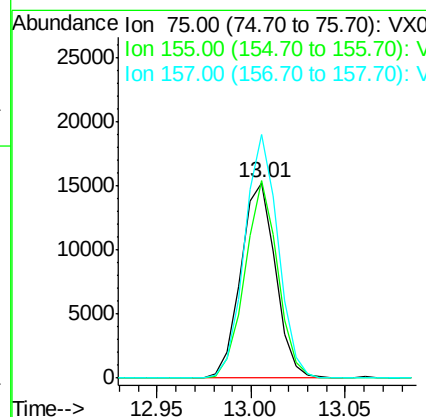
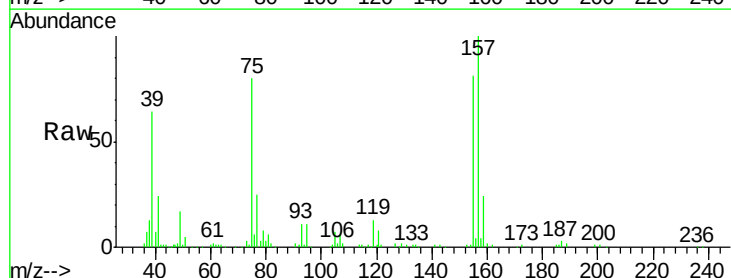
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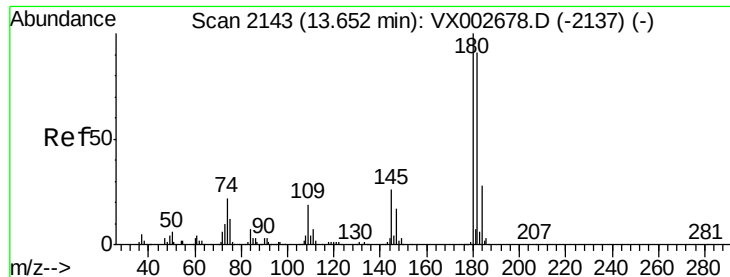
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.21 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003002.D
 Acq: 28 Jun 2018 22:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	73.1	109.7
157	119.9	93.1	139.7





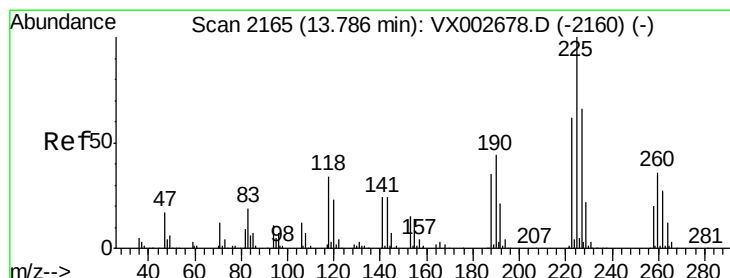
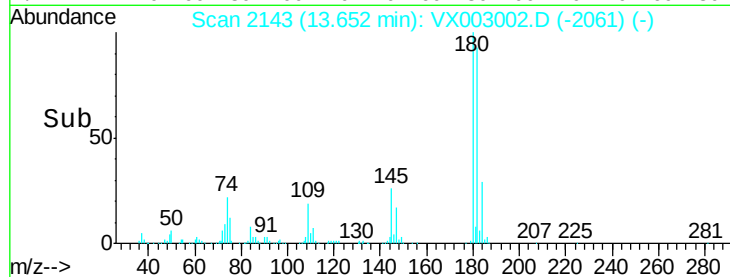
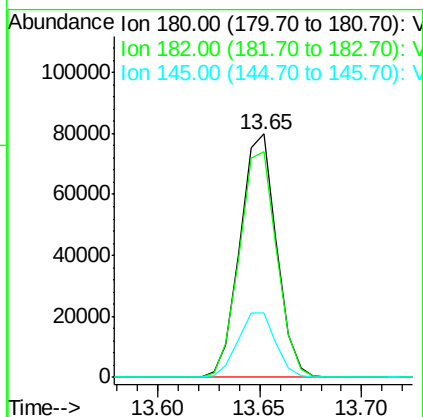
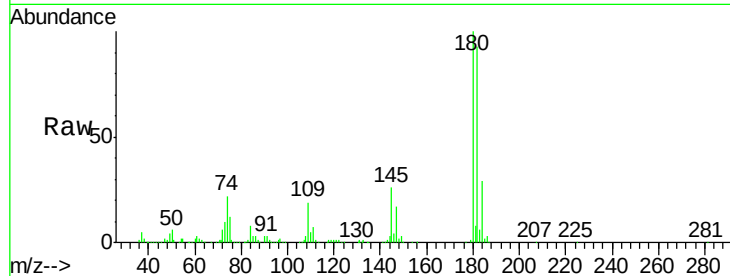
#89
1,2,4-Trichlorobenzene
Concen: 17.66 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.4	114.6
145	27.6	22.9	34.3

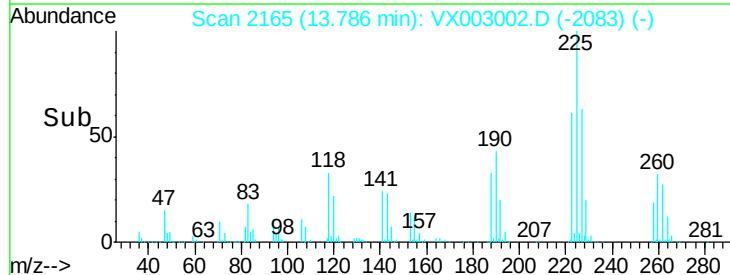
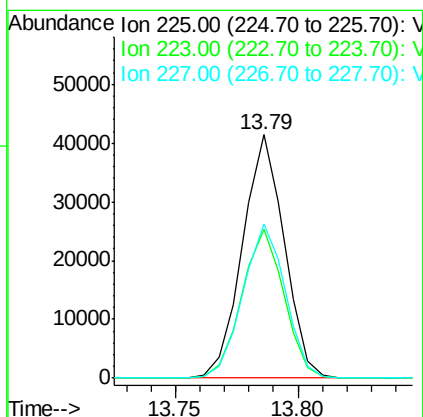
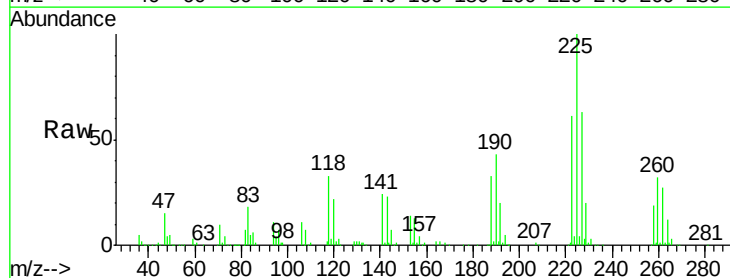
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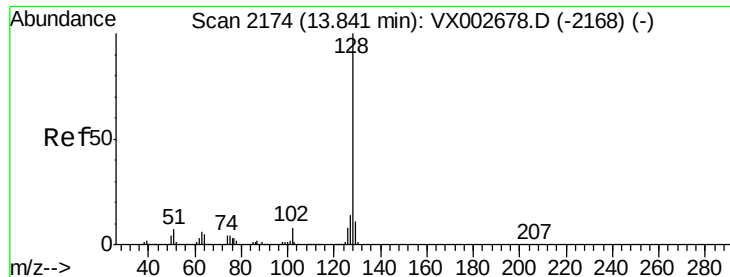
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#90
Hexachlorobutadiene
Concen: 16.84 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	0.0	122.4
227	63.9	0.0	128.0





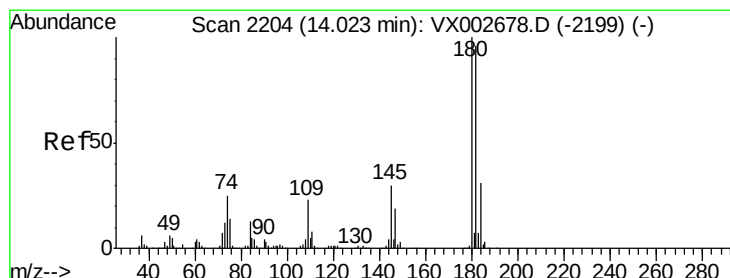
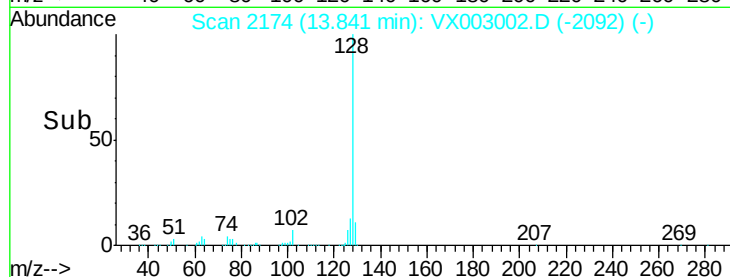
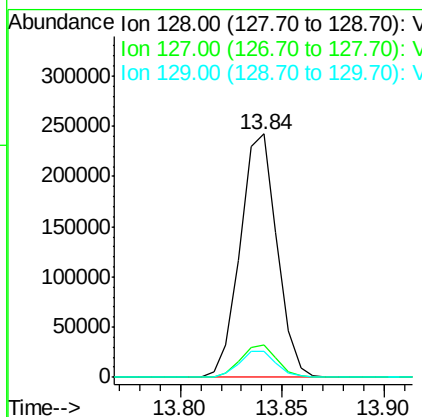
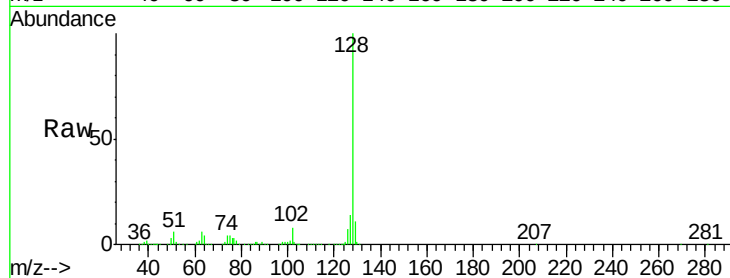
#91
Naphthalene
Concen: 20.34 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.9	8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 18.92 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003002.D
Acq: 28 Jun 2018 22:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	0.0	191.0
145	29.3	0.0	60.6

