

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071218\
 Data File : VX003353.D
 Acq On : 12 Jul 2018 16:02
 Operator : JC/MD
 Sample : VX0712WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0712WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:35:54 AM

Quant Time: Jul 12 17:25:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 13:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	65835	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.87	114	332180	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	301218	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	122725	27.29	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	90.97%
60) 4-Bromofluorobenzene	11.14	95	142419	29.42	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.07%
63) Toluene-d8	8.72	98	402773	30.25	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	90041	18.017	ug/l 99
3) Chloromethane	1.32	50	85365	17.199	ug/l 99
4) Vinyl Chloride	1.40	62	94497	17.461	ug/l 100
5) Bromomethane	1.64	94	46151	20.568	ug/l 98
6) Chloroethane	1.73	64	56192	17.421	ug/l 97
7) Trichlorofluoromethane	1.93	101	126678	17.570	ug/l 99
8) Diethyl Ether	2.19	74	52133	17.682	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	76652	17.368	ug/l 97
10) 1,1-Dichloroethene	2.37	96	71695	17.507	ug/l 98
11) Methyl Iodide	2.51	142	67753	19.436	ug/l 93
12) Methyl Acetate	2.78	43	122575	18.437	ug/l 92
13) Acrolein	2.29	56	42894	83.033	ug/l 97
14) Acrylonitrile	3.15	53	217130	86.780	ug/l 99
15) Acetone	2.45	58	60711	92.558	ug/l 72
16) Carbon Disulfide	2.57	76	196744	16.819	ug/l 100
17) Allyl chloride	2.73	41	133898	17.190	ug/l 89
18) Methylene Chloride	2.86	84	82808	17.231	ug/l 94
19) trans-1,2-Dichloroethene	3.17	96	76277	17.272	ug/l 95
20) Diisopropyl ether	3.88	45	245164	17.419	ug/l 95
21) 1,1-Dichloroethane	3.70	63	146095	17.699	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	87133	18.558	ug/l 81
23) tert-Butyl Alcohol	3.07	59	97418	93.773	ug/l 100
24) Methyl tert-Butyl Ether	3.21	73	240820	17.608	ug/l # 90
25) Chloroform	5.23	83	139008	18.700	ug/l 93
26) Cyclohexane	5.58	56	120126	18.642	ug/l # 95
29) 1,1-Dichloropropene	5.80	75	98367	18.781	ug/l 97
30) 2-Butanone	4.71	43	284735	97.294	ug/l 93
31) 2,2-Dichloropropane	4.59	77	99851	17.652	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	113483	19.138	ug/l 98
33) Carbon Tetrachloride	5.78	117	97287	18.695	ug/l 96
34) Benzene	6.15	78	310234	20.115	ug/l 98
35) Methacrylonitrile	5.07	41	62625	20.227	ug/l 88
36) 1,2-Dichloroethane	6.20	62	102892	19.185	ug/l # 94
37) Trichloroethene	7.21	130	85859	20.131	ug/l 93
38) Methylcyclohexane	7.46	83	113437	19.162	ug/l 96
39) 1,2-Dichloropropane	7.52	63	78280	19.643	ug/l 99
40) Dibromomethane	7.67	93	50758	19.395	ug/l 95

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Manual Integrations
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Quant Time: Jul 12 17:25:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
 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	92309	18.876	ug/l	96
42) Vinyl Acetate	3.83	43	993102	88.330	ug/l	97
43) Ethyl Acetate	4.87	43	108197	19.464	ug/l	98
44) Isopropyl Acetate	6.47	43	162412	19.062	ug/l	93
45) 1,4-Dioxane	7.76	88	37513	412.494	ug/l #	83
46) Methyl methacrylate	7.78	41	83873	19.036	ug/l	87
47) n-amyl Acetate	10.90	43	132975	18.120	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	111814	18.786	ug/l	98
49) cis-1,3-Dichloropropene	9.04	75	98685	18.309	ug/l	92
50) 1,1,2-Trichloroethane	9.22	97	77599	19.659	ug/l	99
51) Ethyl methacrylate	9.18	69	108414	18.847	ug/l	85
52) 1,3-Dichloropropane	9.37	76	126813	19.560	ug/l	100
53) Dibromochloromethane	9.59	129	72900	18.480	ug/l	100
54) 1,2-Dibromoethane	9.68	107	78691	19.224	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	281913	103.877	ug/l	99
56) Bromoform	10.86	173	54388	18.033	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	536478	99.981	ug/l	92
59) 2-Hexanone	9.50	43	406459	98.902	ug/l	93
61) Tetrachloroethene	9.34	164	95477	20.710	ug/l	98
62) Toluene	8.79	91	328131	19.967	ug/l	100
64) Chlorobenzene	10.14	112	213981	19.663	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	74949	19.417	ug/l	99
66) Ethyl Benzene	10.26	91	354652	19.529	ug/l	100
67) m/p-Xylenes	10.36	106	275533	38.993	ug/l	98
68) o-Xylene	10.70	106	132879	19.544	ug/l	97
69) Styrene	10.71	104	217278	19.225	ug/l	97
70) Isopropylbenzene	11.02	105	355703	19.731	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	110757	19.589	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	99219m	15.004	ug/l	
73) Bromobenzene	11.26	156	97358	19.428	ug/l	96
74) n-propylbenzene	11.37	91	403870	19.235	ug/l	99
75) 2-Chlorotoluene	11.43	91	244161	19.440	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	293460	19.237	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	27978	17.715	ug/l	96
78) 4-Chlorotoluene	11.51	91	279876	19.076	ug/l	98
79) tert-butylbenzene	12.07	119	304167	18.826	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	297981	19.223	ug/l	98
81) sec-Butylbenzene	11.95	105	343457	19.030	ug/l	99
82) p-Isopropyltoluene	12.07	119	304167	18.826	ug/l	98
83) 1,3-Dichlorobenzene	12.03	146	175697	18.924	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	175359	18.713	ug/l	99
85) n-Butylbenzene	12.39	91	248259	17.501	ug/l	99
86) Hexachloroethane	12.60	117	40021	16.828	ug/l	99
87) 1,2-Dichlorobenzene	12.40	146	175564	18.916	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	20824	17.728	ug/l	94
89) 1,2,4-Trichlorobenzene	13.65	180	116411	17.470	ug/l	99
90) Hexachlorobutadiene	13.79	225	53374	16.348	ug/l	99
91) Naphthalene	13.84	128	340563	17.722	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	116674	17.271	ug/l	100

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Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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ClientSampleId :
VX0712WBS01

Manual Integrations
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QLast Update : Thu Jul 12 13:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

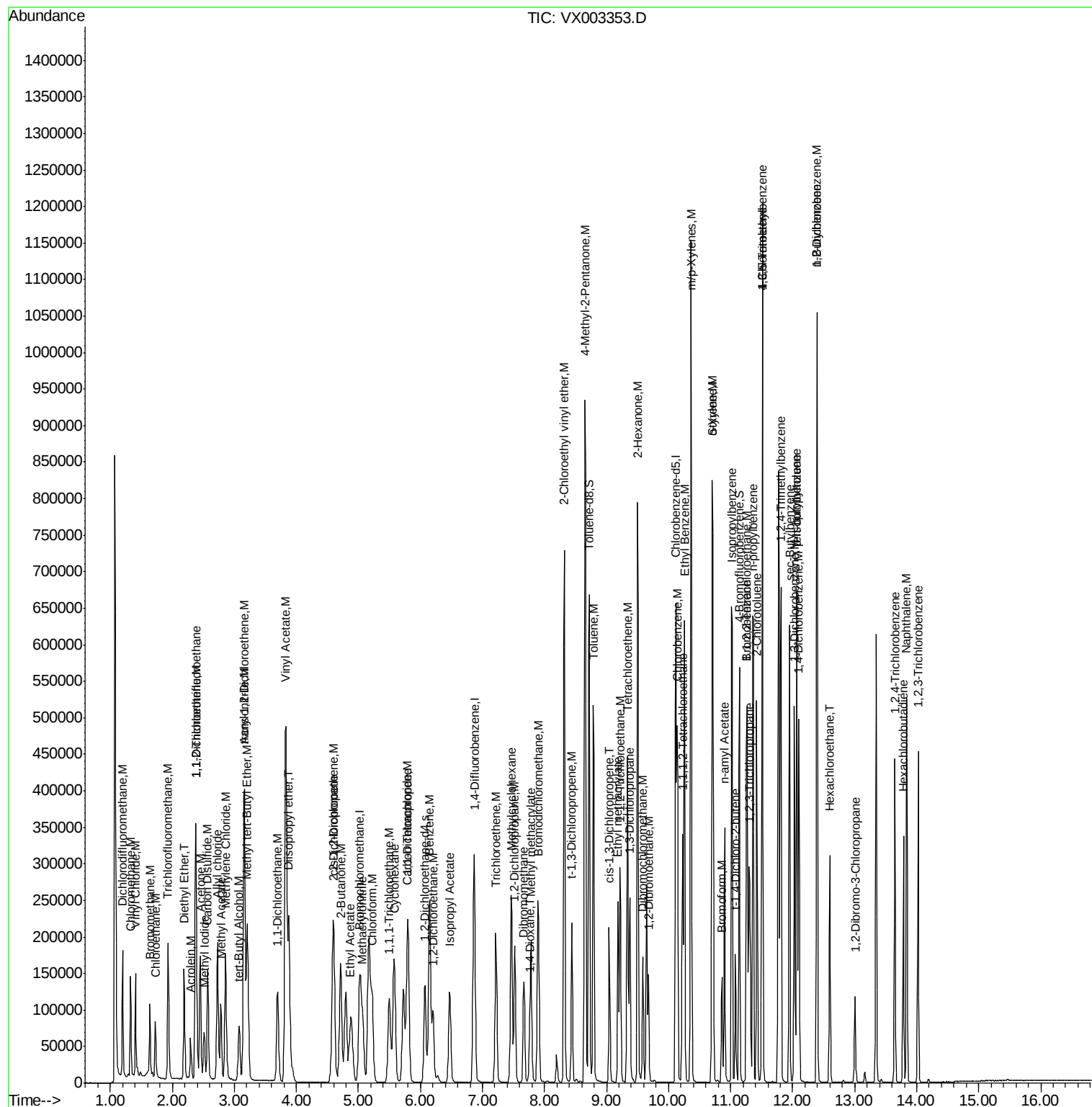
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Data File : VX003353.D
Acq On : 12 Jul 2018 16:02
Operator : JC/MD
Sample : VX0712WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

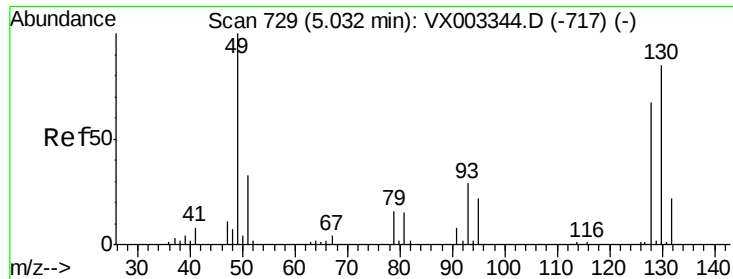
Instrument :
MSVOA_X
ClientSampleID :
VX0712WBS01

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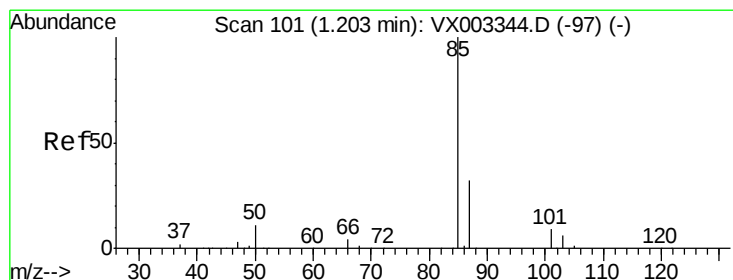
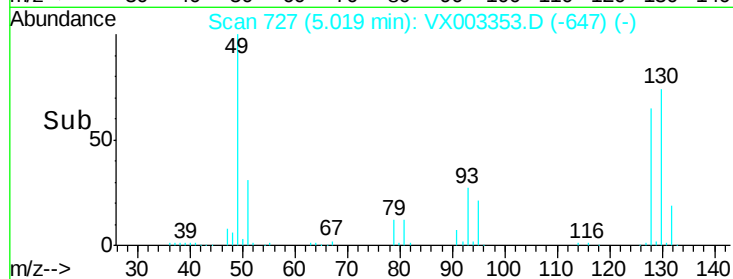
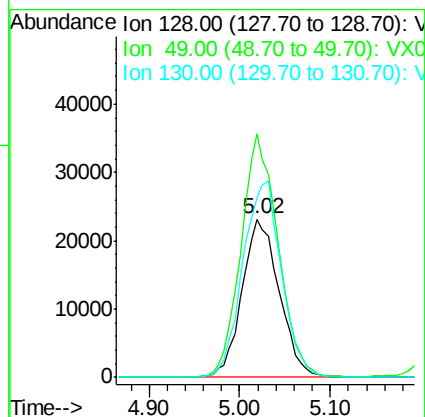
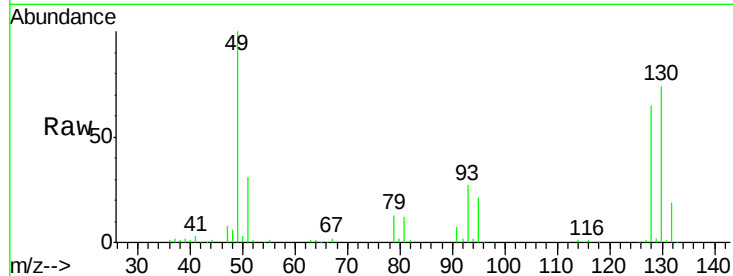
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	153.4	0.0	423.0
130	128.7	0.0	324.3

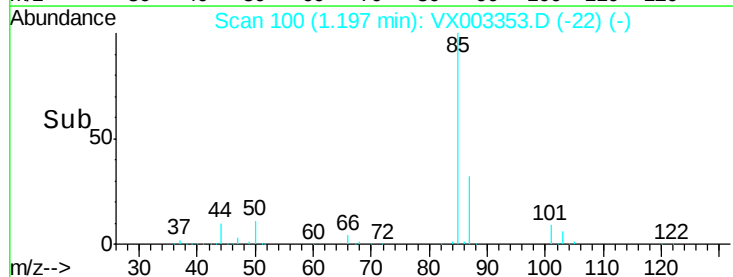
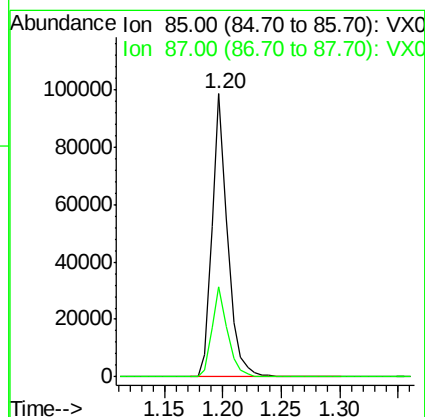
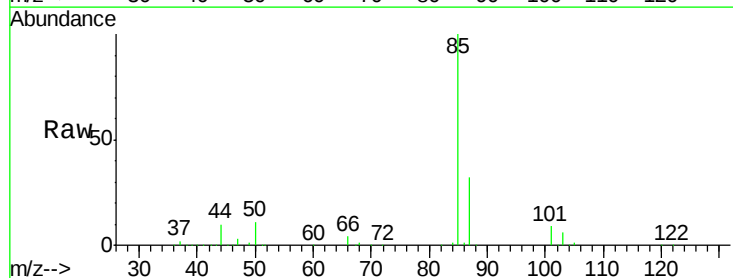
Manual Integrations
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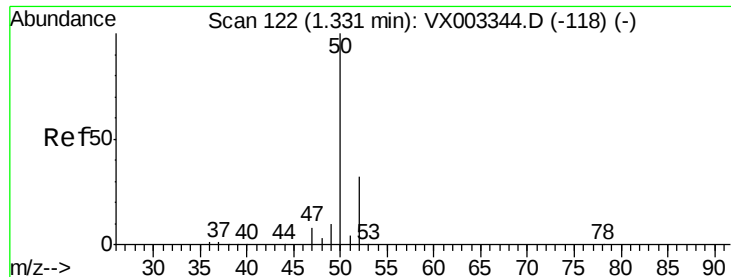
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#2
Dichlorodifluoromethane
Concen: 18.017 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.01 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.2	48.5





#3

Chloromethane

Concen: 17.199 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 50 Resp: 85365

Ion Ratio Lower Upper

50 100

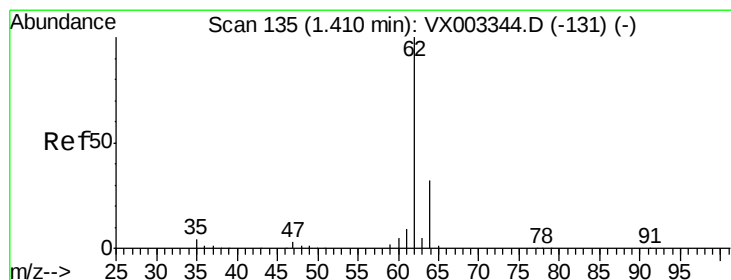
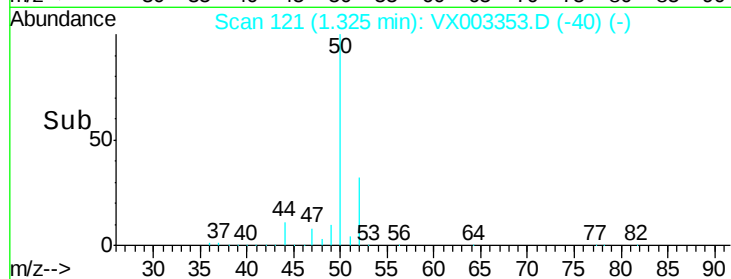
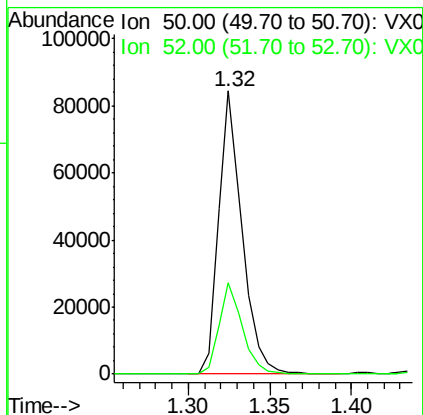
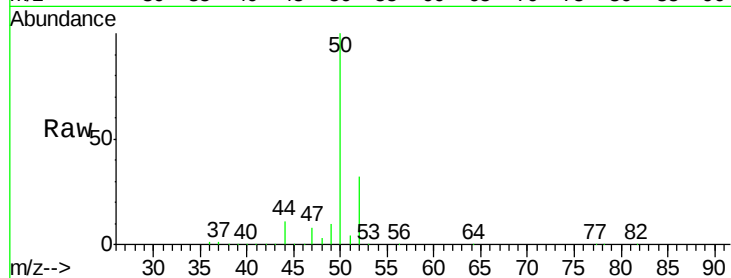
52 32.3 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.461 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX003353.D

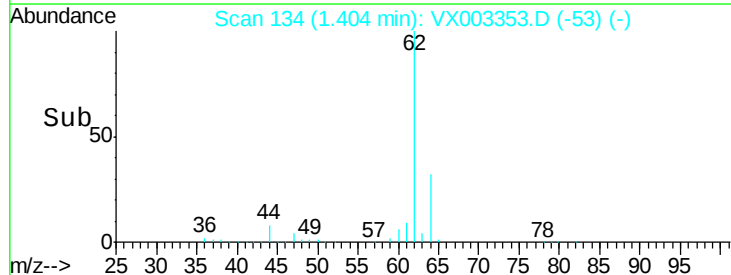
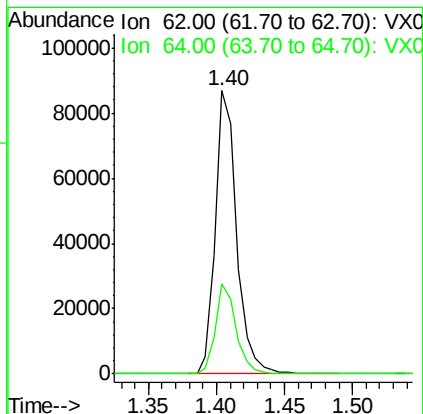
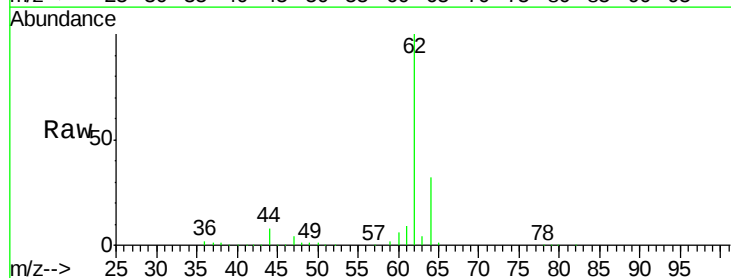
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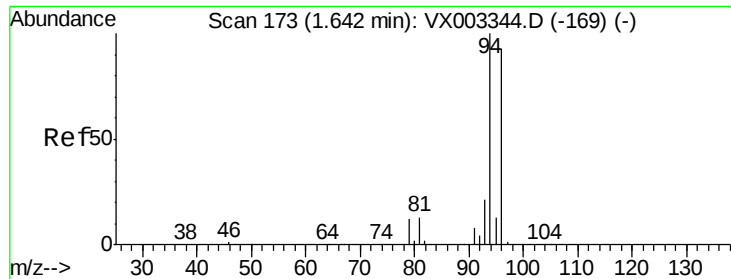
Tgt Ion: 62 Resp: 94497

Ion Ratio Lower Upper

62 100

64 31.8 25.3 37.9





#5

Bromomethane

Concen: 20.568 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 94 Resp: 46151

Ion Ratio Lower Upper

94 100

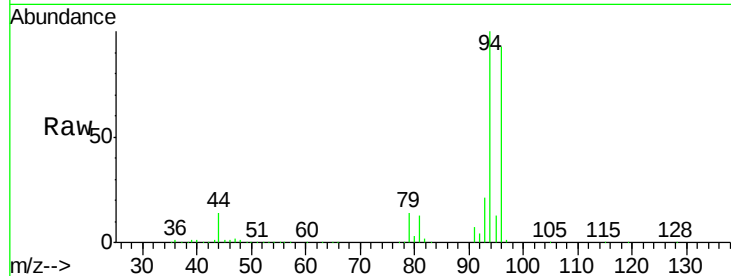
96 92.7 75.7 113.5

Manual Integrations

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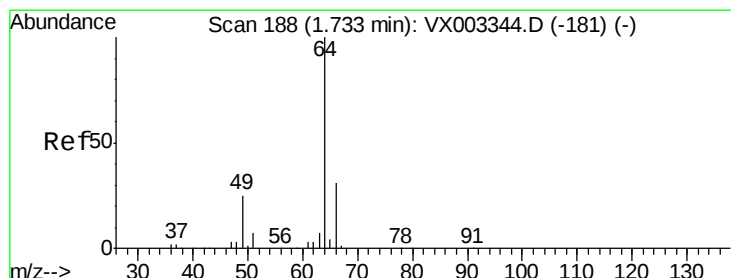
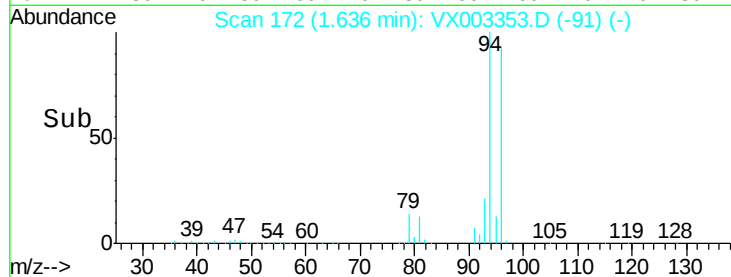
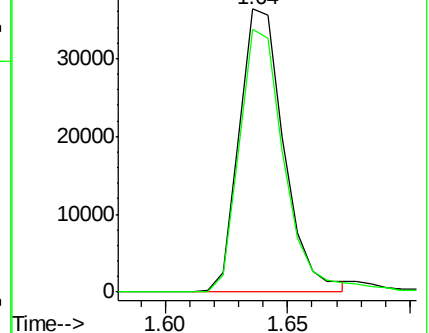
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 17.421 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX003353.D

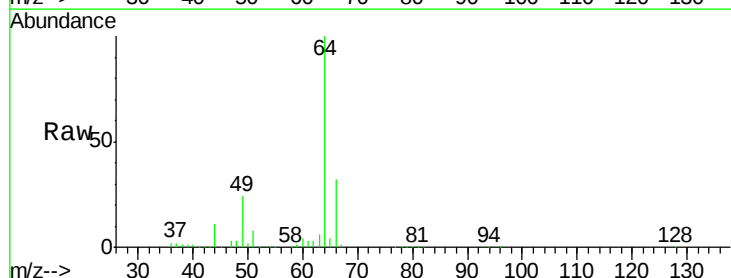
Acq: 12 Jul 2018 16:02

Tgt Ion: 64 Resp: 56192

Ion Ratio Lower Upper

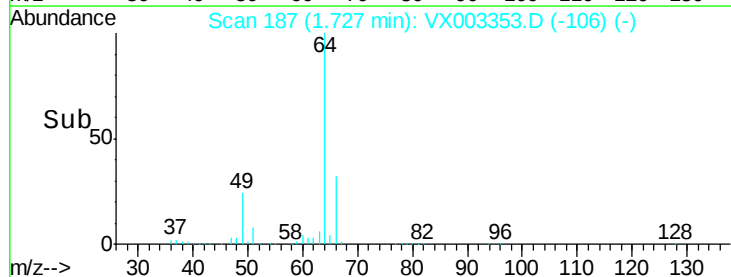
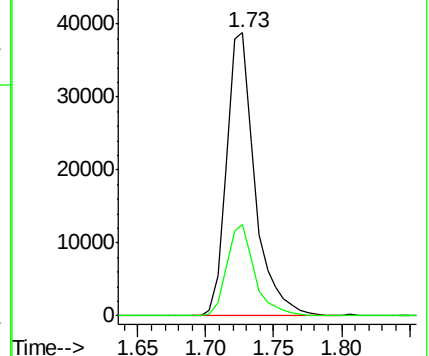
64 100

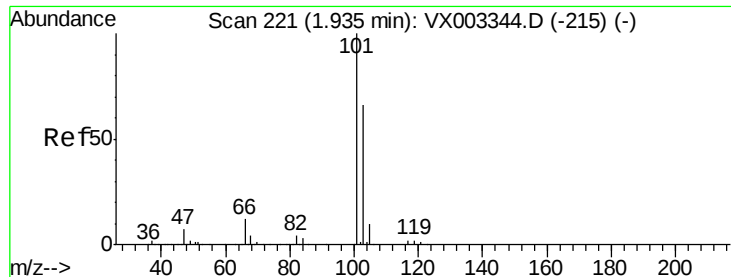
66 32.2 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

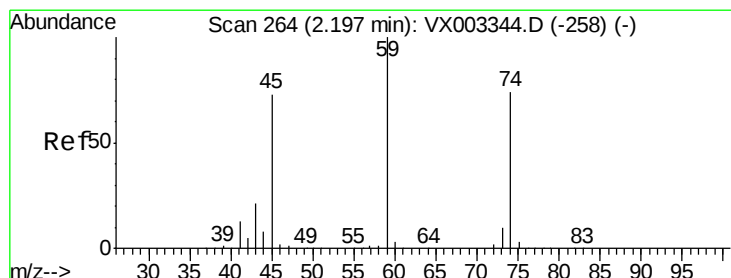
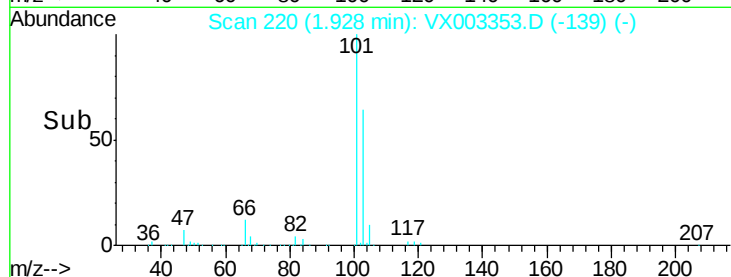
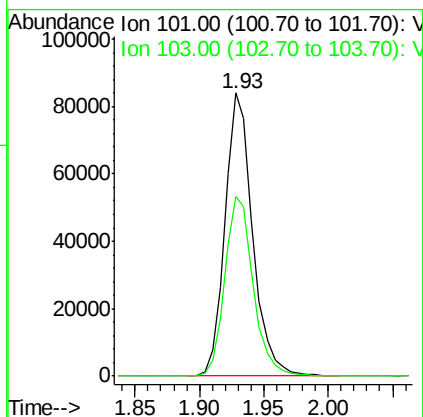
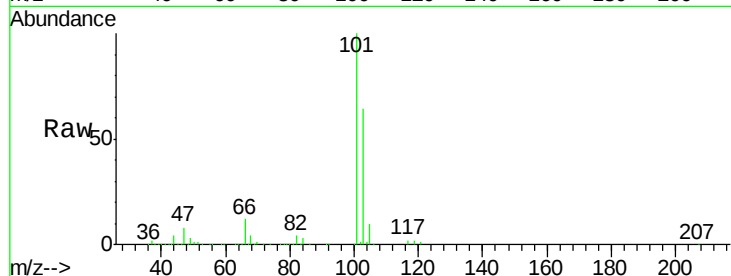
Trichlorofluoromethane
Concen: 17.570 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.01 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	126678		
103	63.7	51.5	77.3	

Manual Integrations
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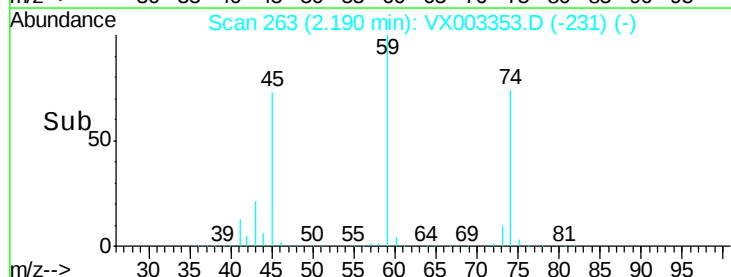
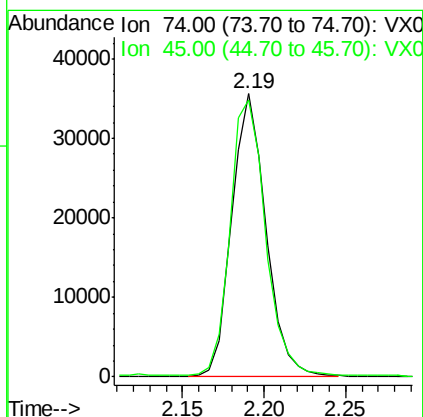
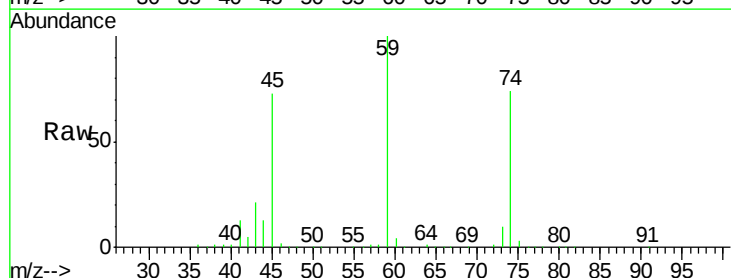
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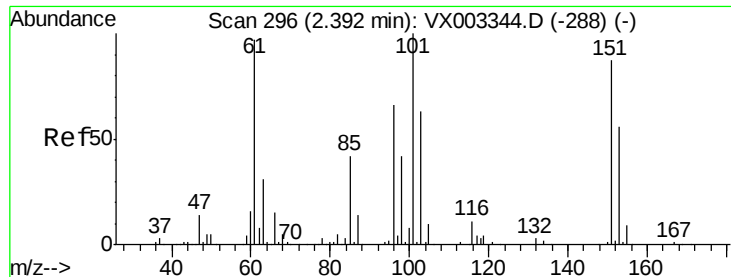


#8

Diethyl Ether
Concen: 17.682 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	52133		
45	101.3	20.5	184.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.368 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Instrument :

MSVOA_X

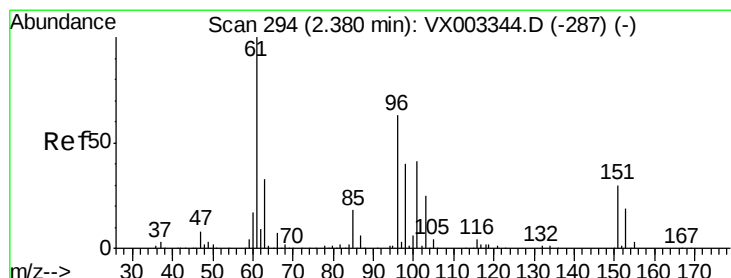
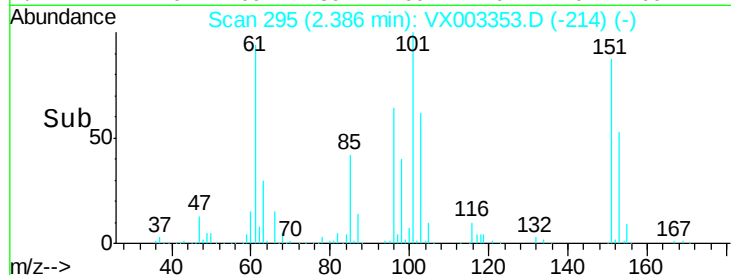
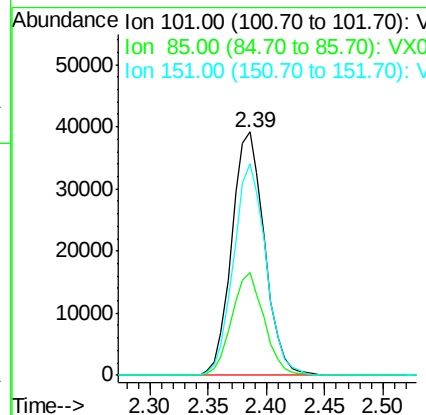
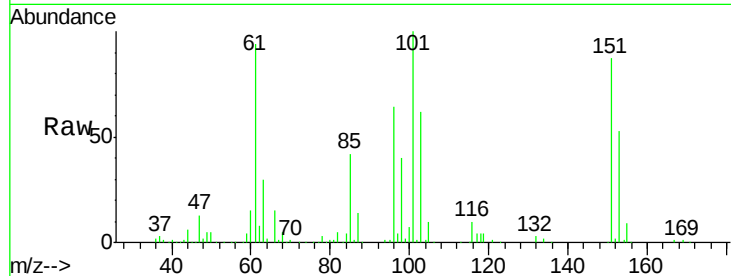
ClientSampleId :

VX0712WBS01

Tot Ion:	101	Resp:	76652
Ion Ratio	Lower	Upper	
101	100		
85	41.8	0.0	87.0
151	86.1	0.0	177.6

Manual Integrations
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MMDadoda
7/13/2018 11:35:54 AM



#10

1,1-Dichloroethene

Concen: 17.507 ug/l

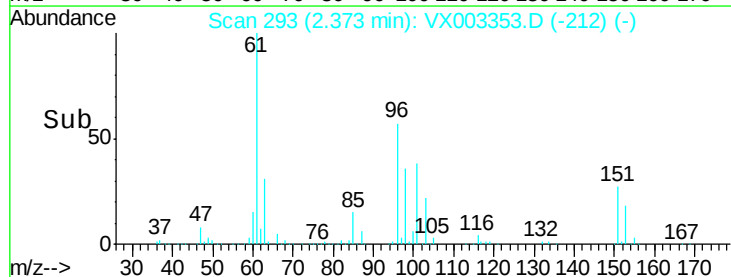
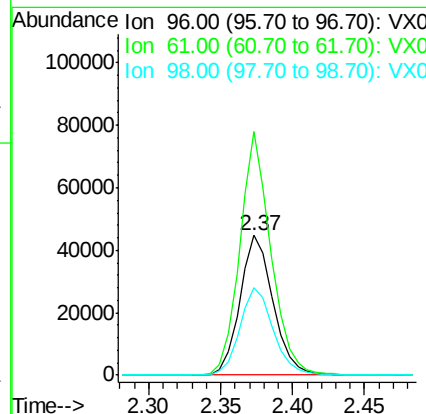
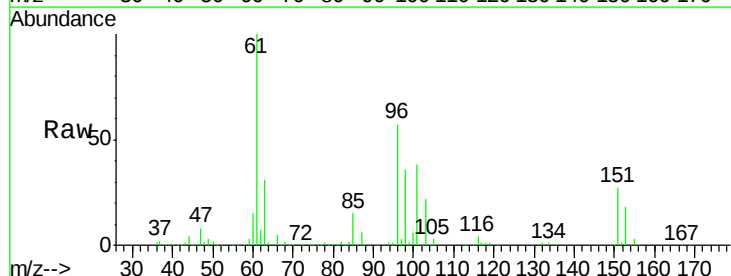
RT: 2.37 min Scan# 293

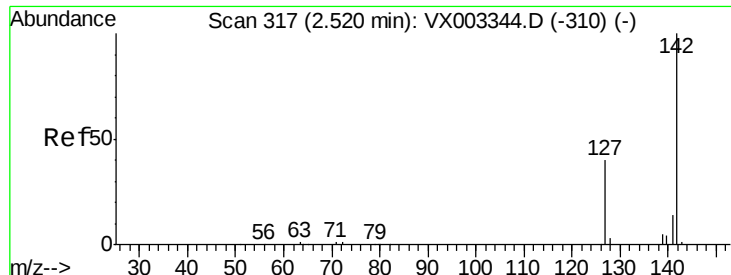
Delta R.T. -0.01 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Tgt Ion:	96	Resp:	71695
Ion Ratio	Lower	Upper	
96	100		
61	174.6	137.5	206.3
98	62.9	51.4	77.2





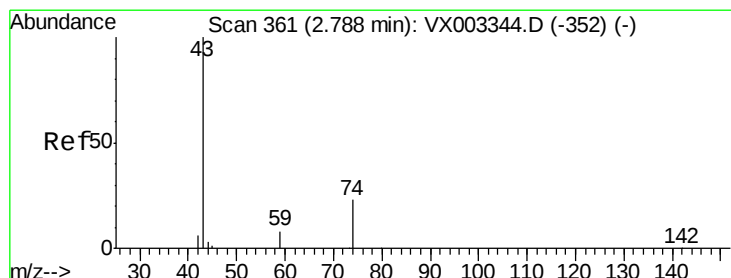
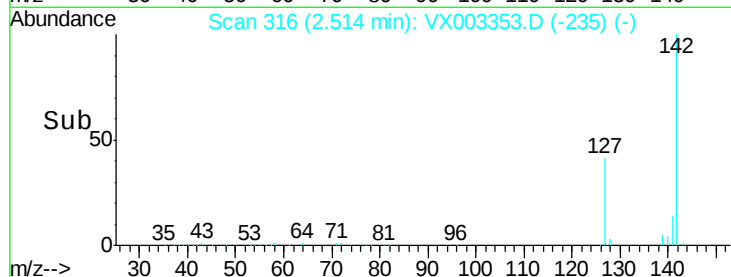
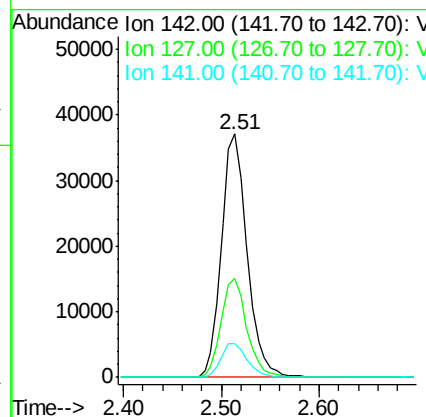
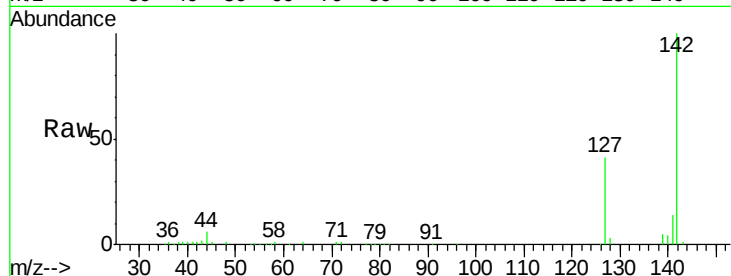
#11
Methyl Iodide
Concen: 19.436 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.8	23.2	69.6
141	13.8	7.4	22.2

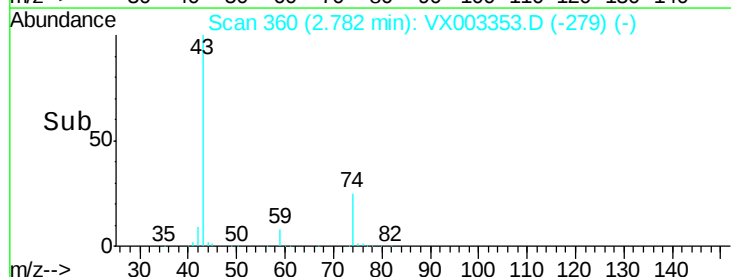
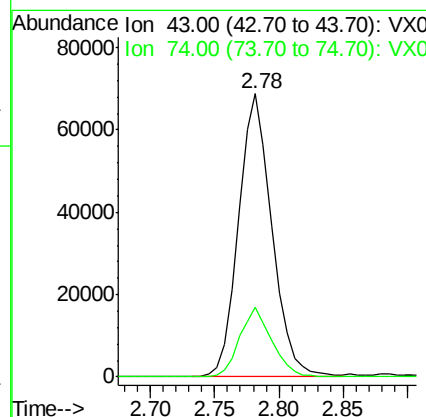
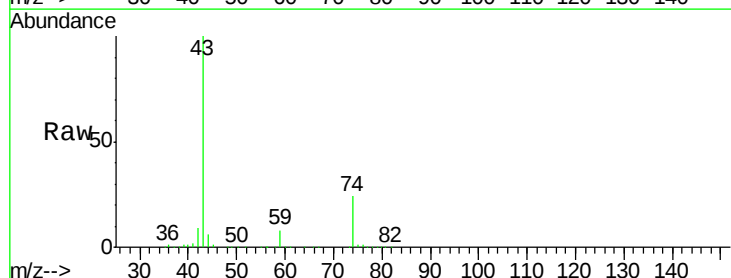
Manual Integrations
APPROVED

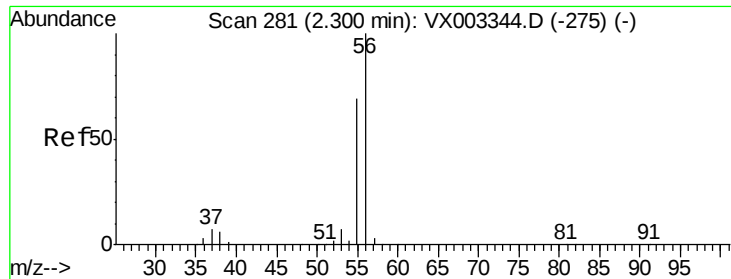
MMDadoda
7/13/2018 11:35:54 AM



#12
Methyl Acetate
Concen: 18.437 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	16.4	24.6





#13

Acrolein

Concen: 83.033 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 56 Resp: 42894

Ion Ratio Lower Upper

56 100

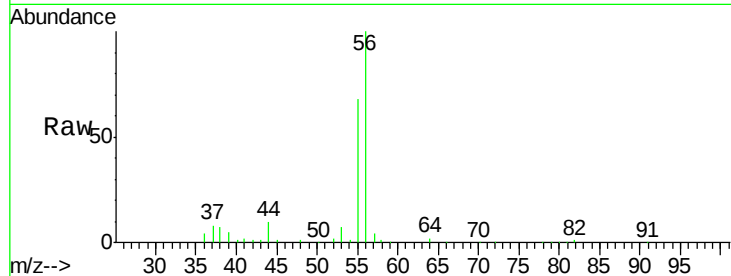
55 69.1 57.3 85.9

Manual Integrations

APPROVED

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

30000

25000

20000

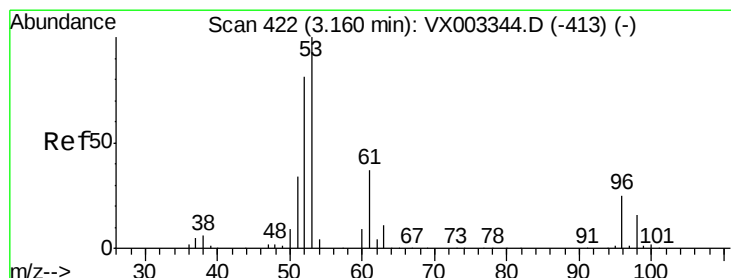
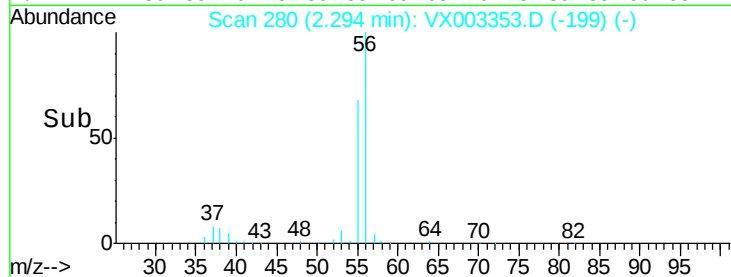
15000

10000

5000

0

Time-->



#14

Acrylonitrile

Concen: 86.780 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

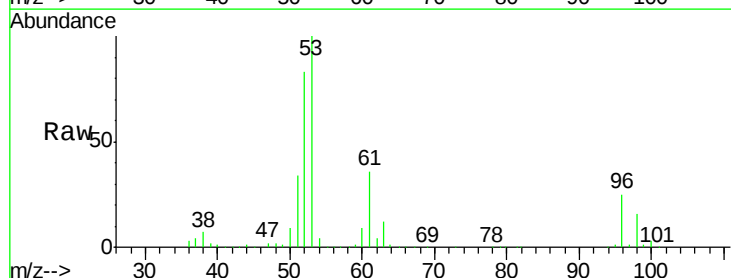
Tgt Ion: 53 Resp: 217130

Ion Ratio Lower Upper

53 100

52 82.9 41.5 124.6

51 34.9 17.9 53.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

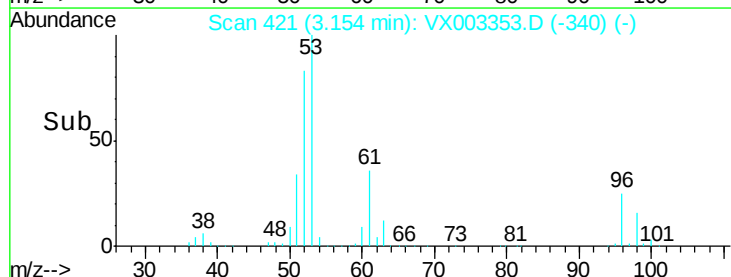
150000

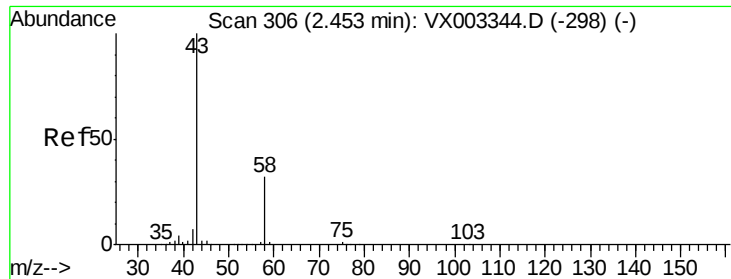
100000

50000

0

Time-->





#15

Acetone

Concen: 92.558 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Instrument :

MSVOA_X

ClientSampled :

VX0712WBS01

Tot Ion: 58 Resp: 60711

Ion Ratio Lower Upper

58 100

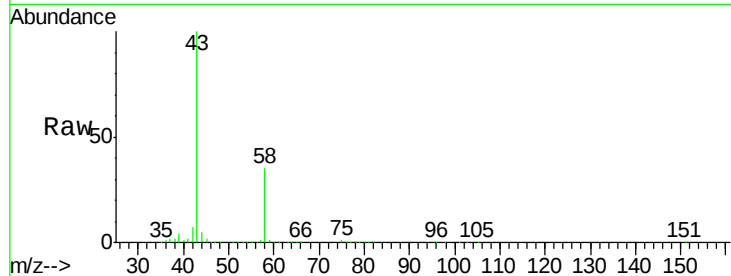
43 286.9 278.8 418.2

Manual Integrations

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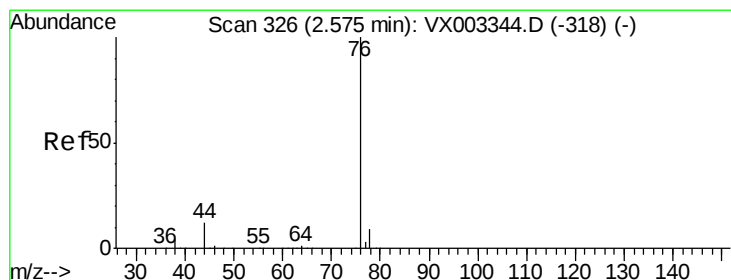
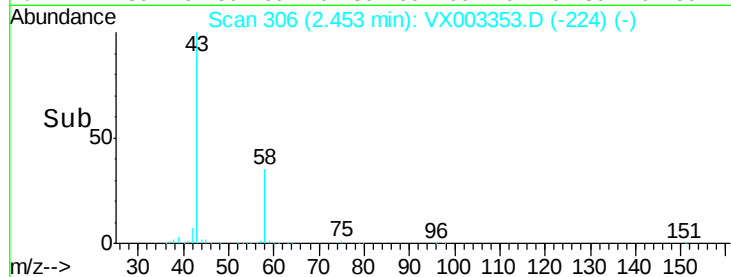
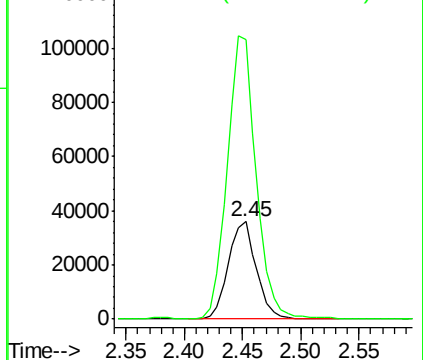
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 16.819 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX003353.D

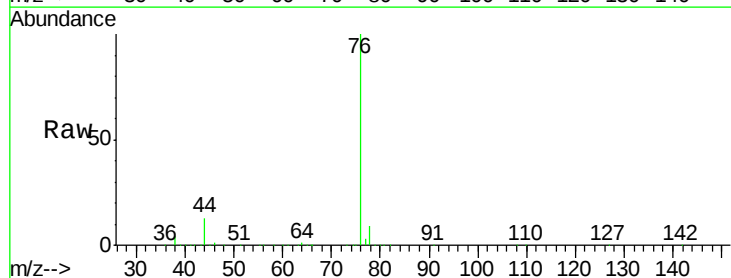
Acq: 12 Jul 2018 16:02

Tgt Ion: 76 Resp: 196744

Ion Ratio Lower Upper

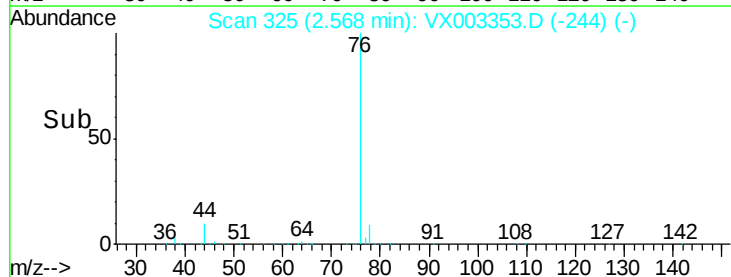
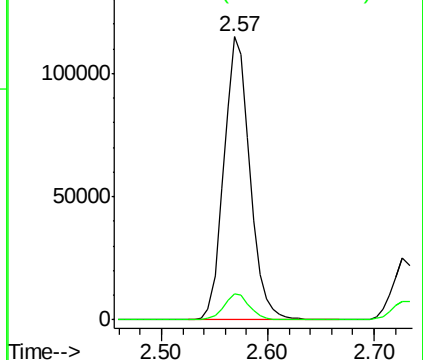
76 100

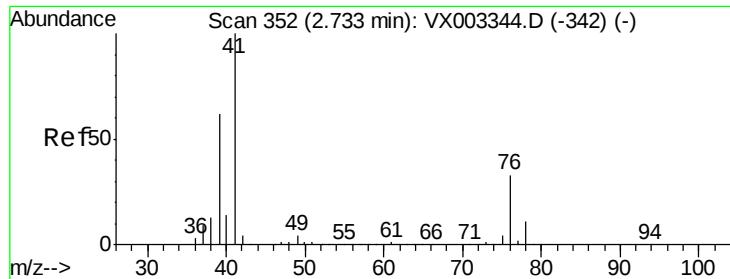
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





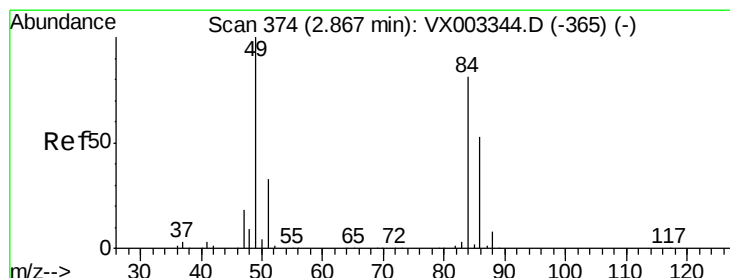
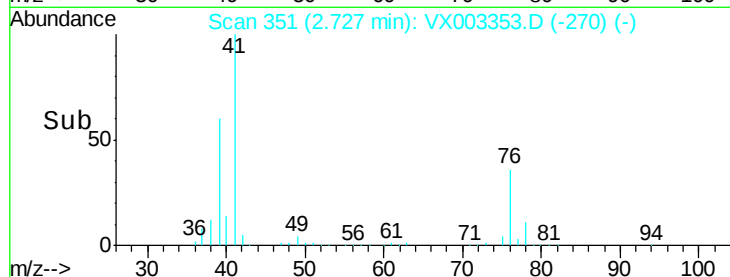
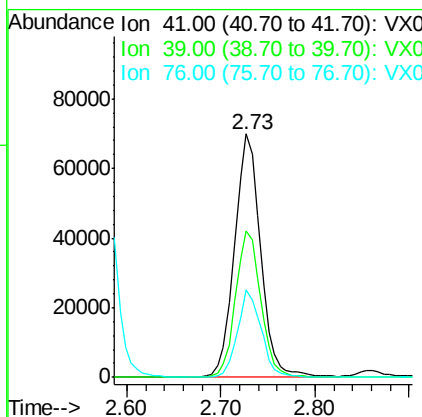
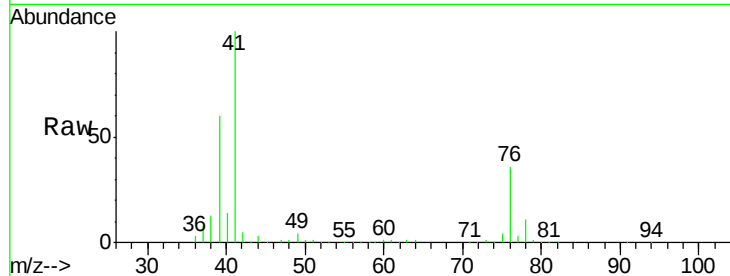
#17
Allvl chloride
Concen: 17.190 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.0	34.6	103.8
76	35.9	15.0	45.1

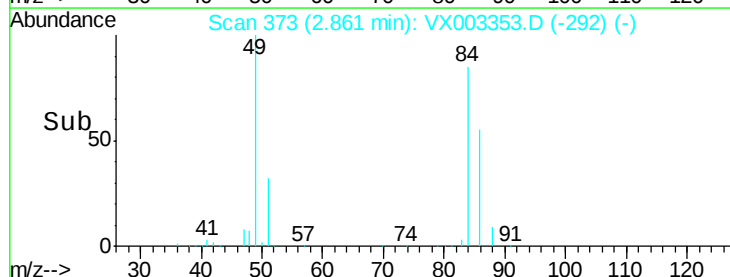
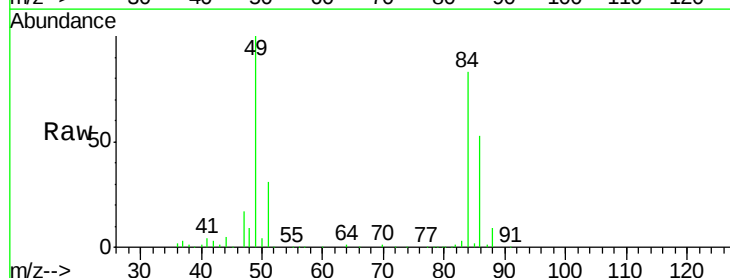
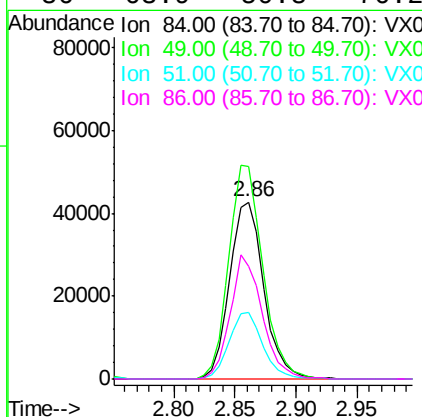
Manual Integrations
APPROVED

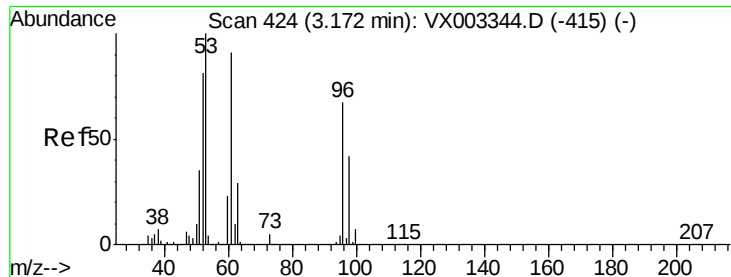
MMDadoda
7/13/2018 11:35:54 AM



#18
Methylene Chloride
Concen: 17.231 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.2	104.7	157.1
51	37.4	31.0	46.4
86	63.9	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 17.272 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Instrument :

MSVOA_X

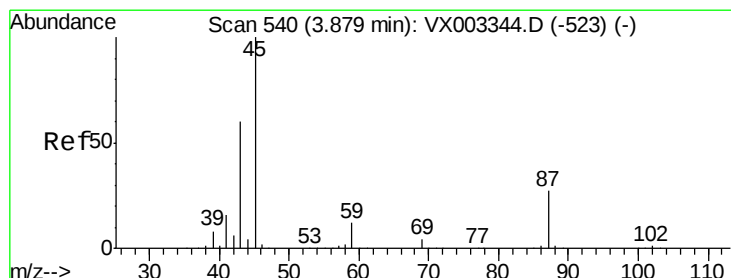
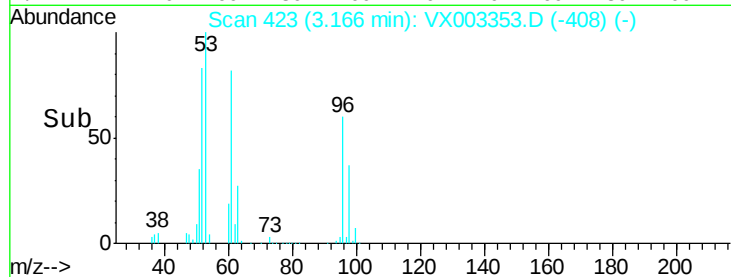
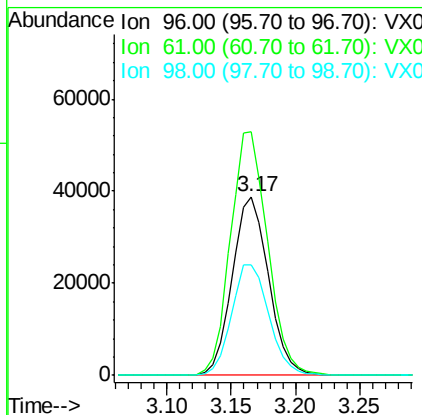
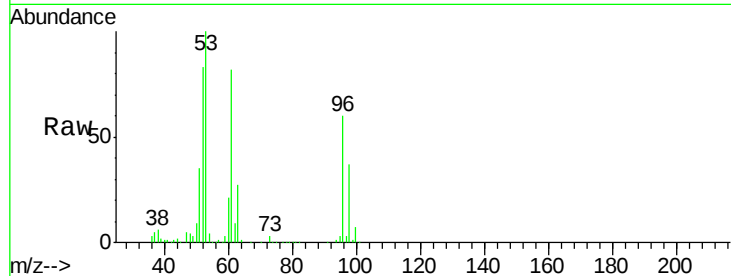
ClientSampleId :

VX0712WBS01

Tot Ion:	96	Resp:	76277
Ion	Ratio	Lower	Upper
96	100		
61	136.3	114.6	172.0
98	62.1	51.3	76.9

Manual Integrations
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MMDadoda
7/13/2018 11:35:54 AM



#20

Diisopropyl ether

Concen: 17.419 ug/l

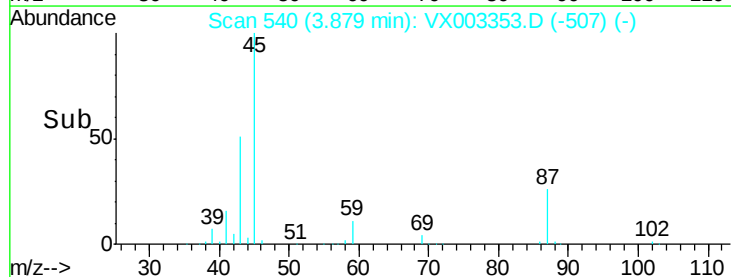
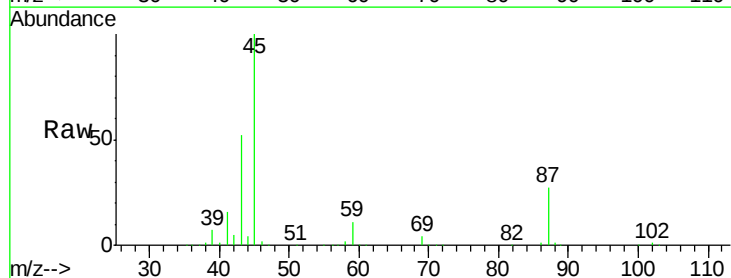
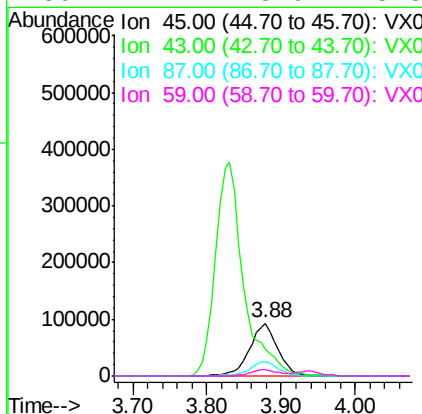
RT: 3.88 min Scan# 540

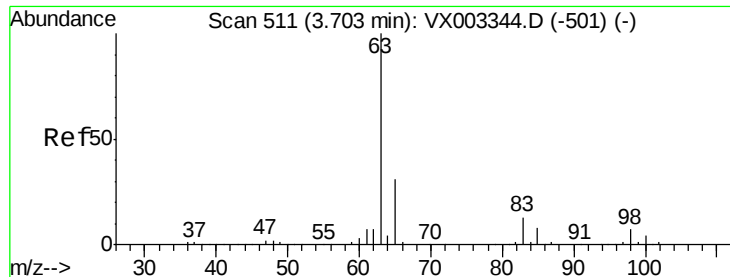
Delta R.T. -0.00 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Tgt Ion:	45	Resp:	245164
Ion	Ratio	Lower	Upper
45	100		
43	51.1	45.6	68.4
87	26.6	20.7	31.1
59	11.2	8.9	13.3





#21

1,1-Dichloroethane

Concen: 17.699 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Instrument :

MSVOA_X

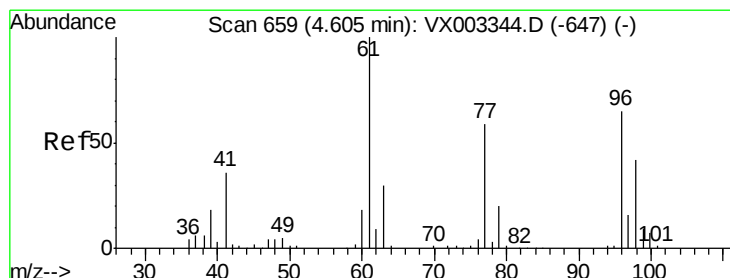
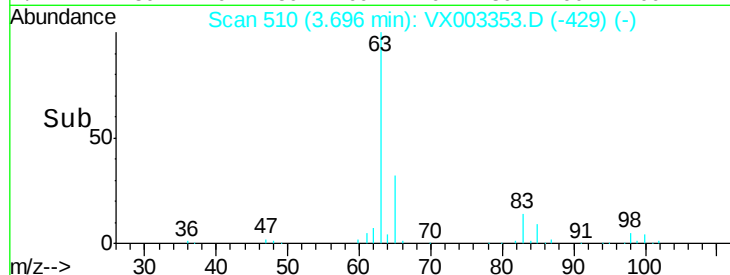
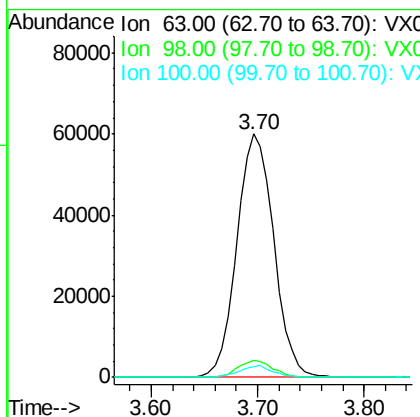
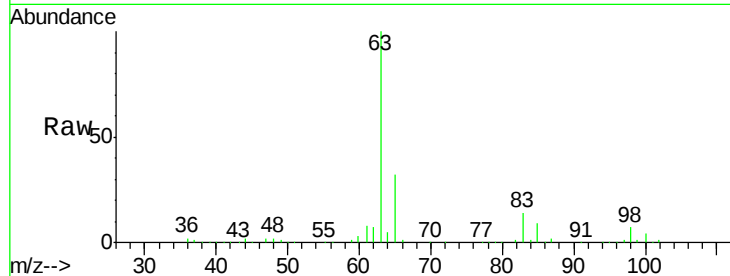
ClientSampleId :

VX0712WBS01

Tot Ion:	63	Resp:	146095
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.1	9.3
100	4.3	2.2	6.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 18.558 ug/l

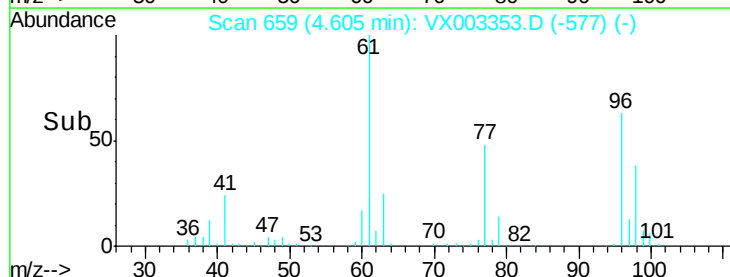
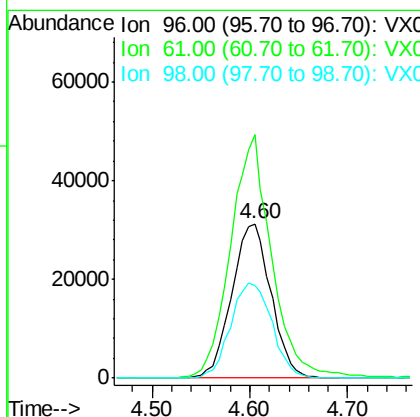
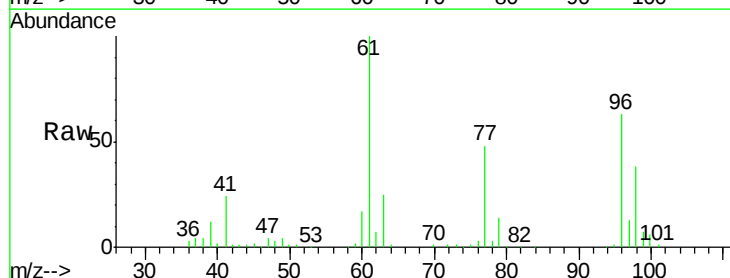
RT: 4.60 min Scan# 659

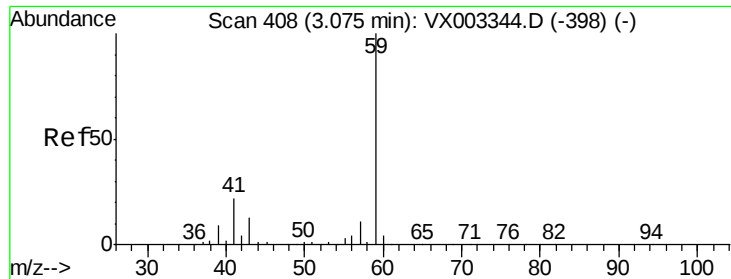
Delta R.T. -0.00 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Tgt Ion:	96	Resp:	87133
Ion Ratio	Lower	Upper	
96	100		
61	163.3	160.2	240.2
98	64.8	54.1	81.1





#23

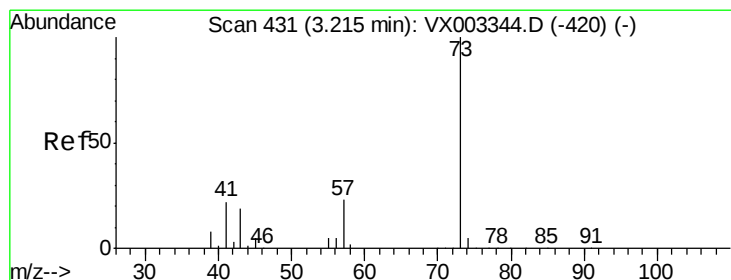
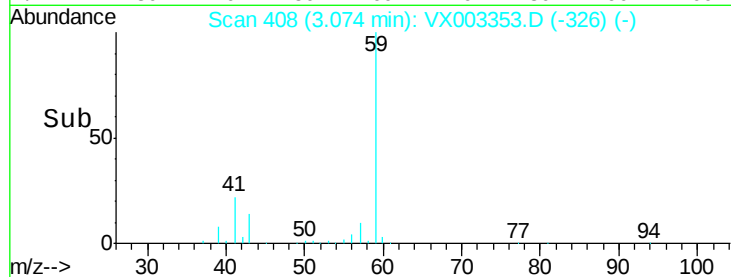
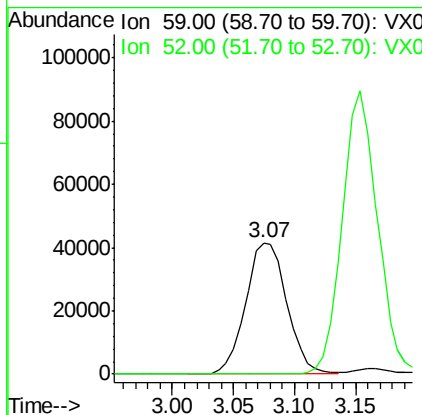
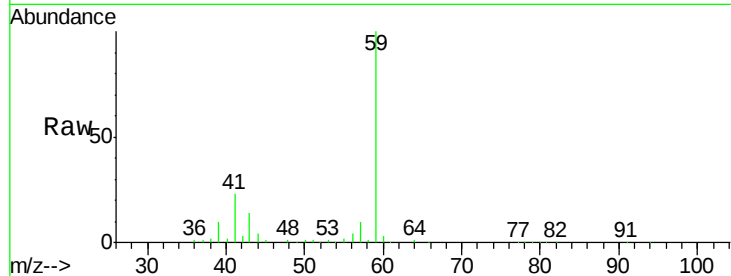
tert-Butyl Alcohol
Concen: 93.773 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Instrument :
MSVOA_X
ClientSampled :
VX0712WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		97418		
52	0.2		0.2	0.2	0.2

Manual Integrations
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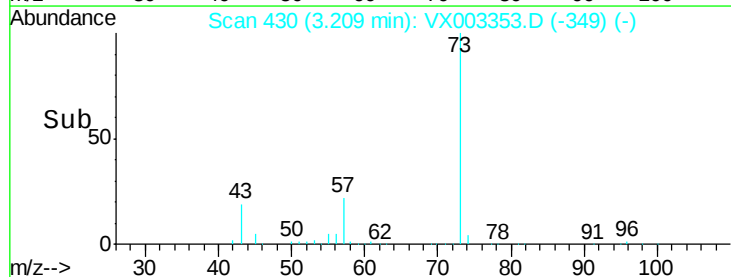
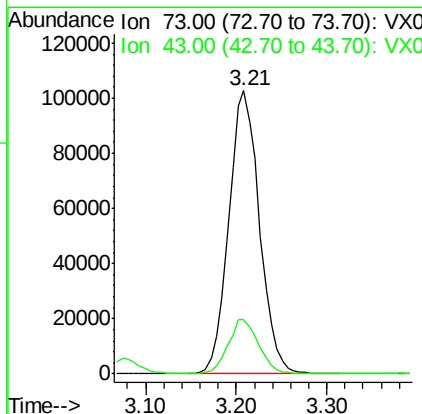
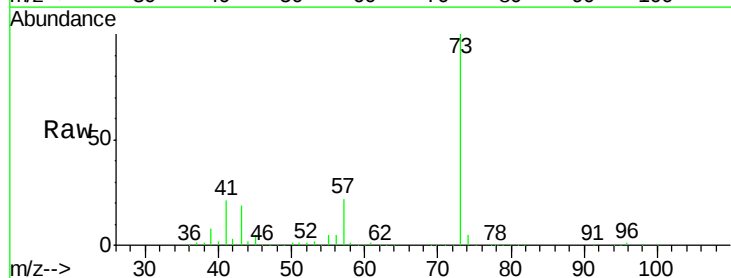
MMDadoda
7/13/2018 11:35:54 AM

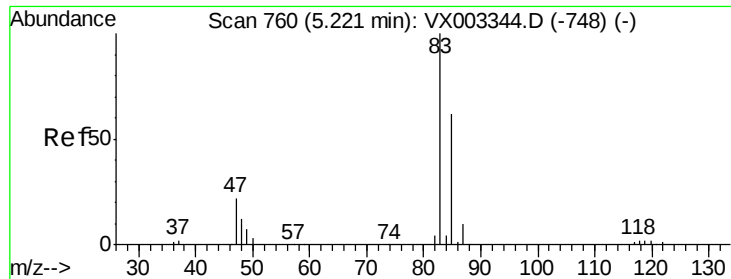


#24

Methyl tert-Butyl Ether
Concen: 17.608 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		240820		
43	18.8		19.0	28.4	#





#25

Chloroform

Concen: 18.700 ug/l

RT: 5.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Instrument :

MSVOA_X

ClientSampled :

VX0712WBS01

Tot Ion: 83 Resp: 139008

Ion Ratio Lower Upper

83 100

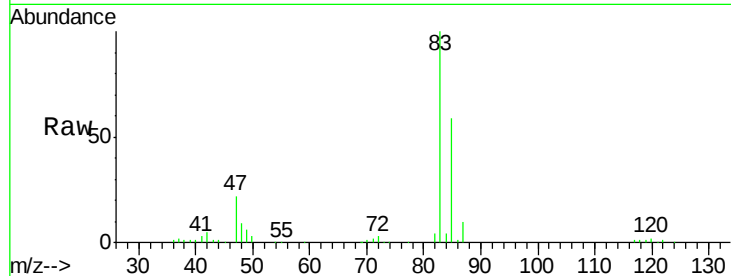
85 59.3 51.9 77.9

Manual Integrations

APPROVED

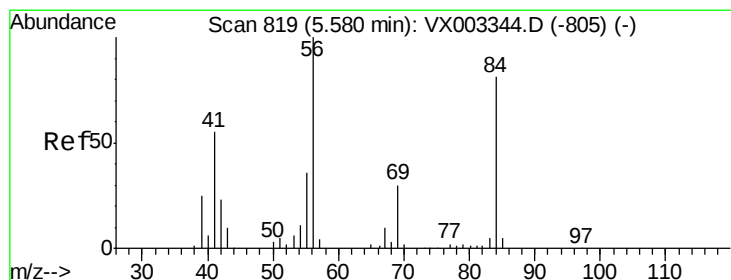
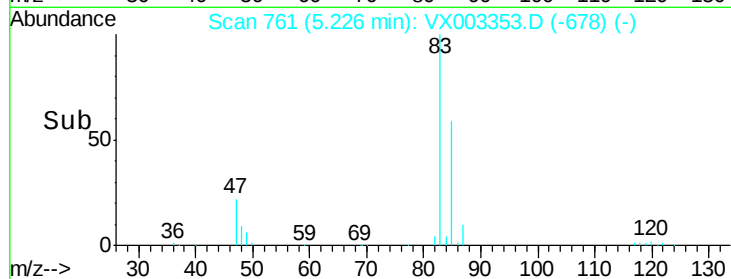
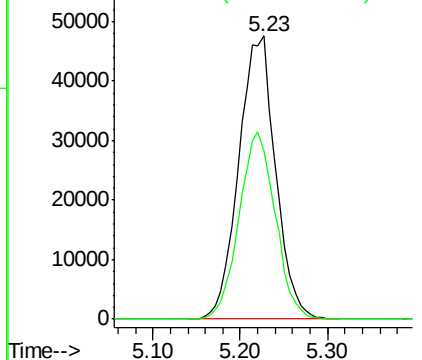
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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 18.642 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

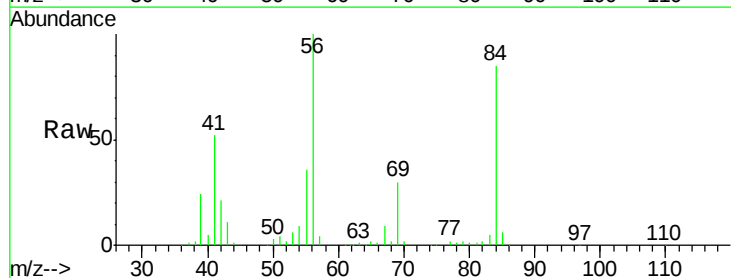
Tgt Ion: 56 Resp: 120126

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

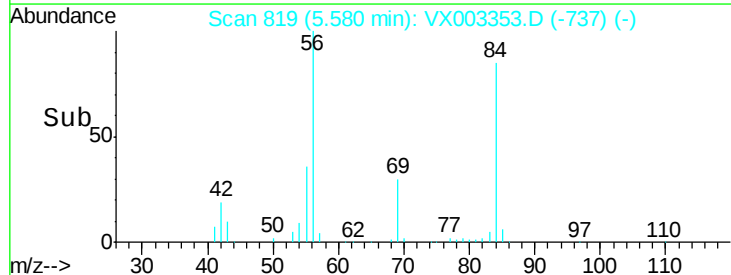
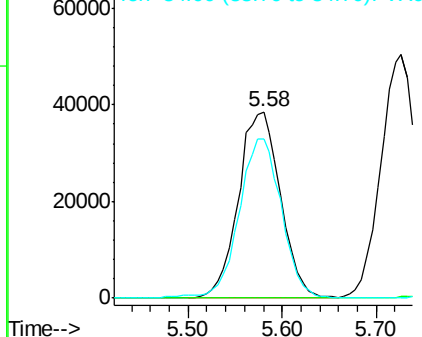
84 85.6 64.9 97.3

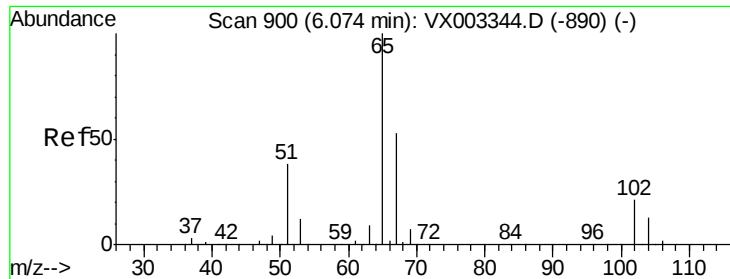


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





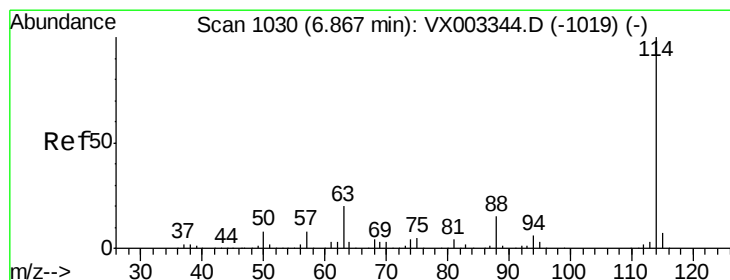
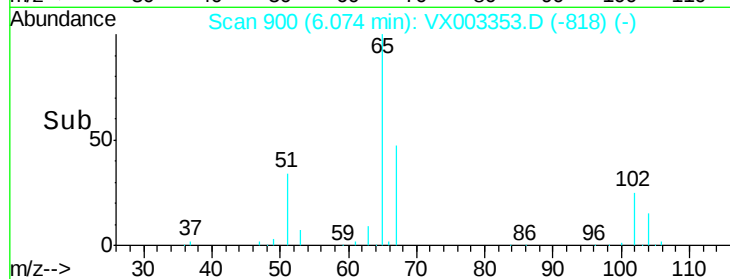
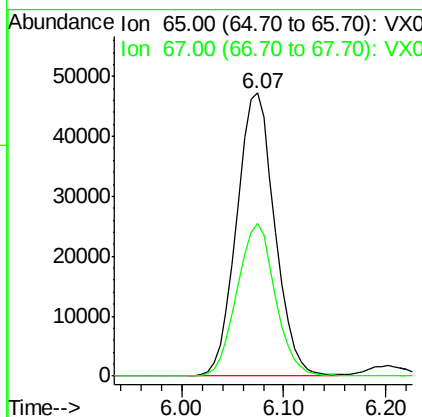
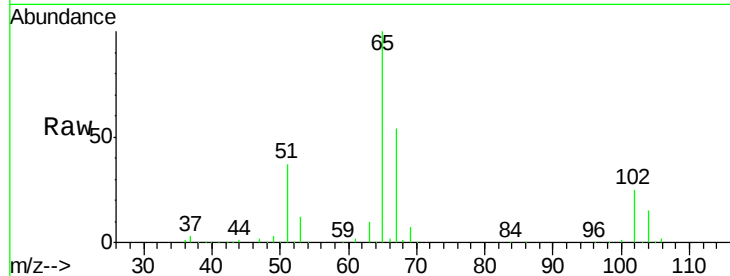
#27
 1,2-Dichloroethane-d4
 Concen: 27.294 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Instrument :
 MSVOA_X
 ClientSampled :
 VX0712WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	40.9	61.3

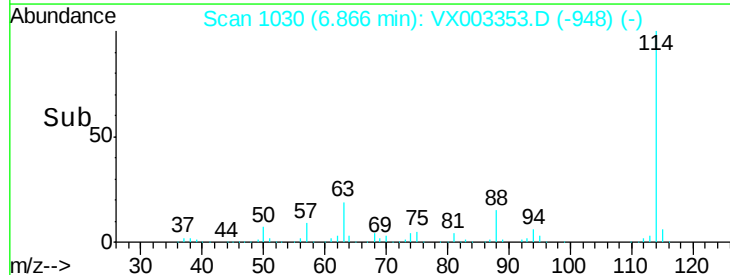
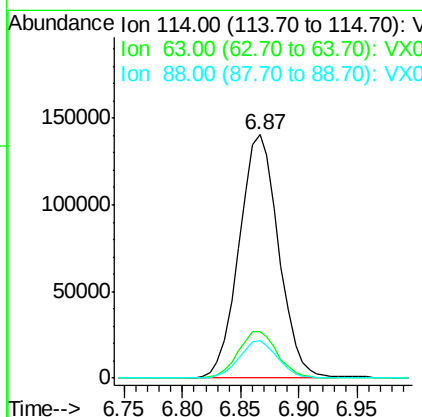
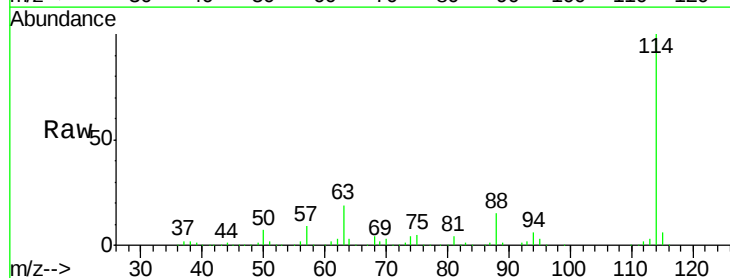
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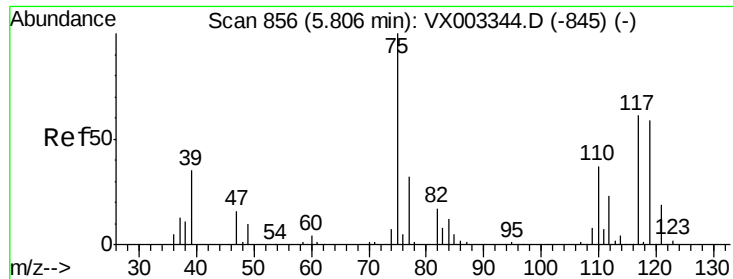
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	17.1	25.7
88	15.0	12.6	19.0





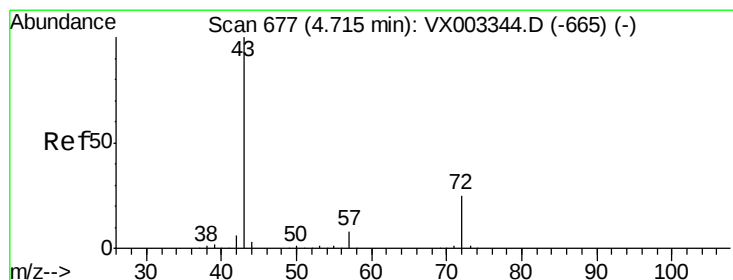
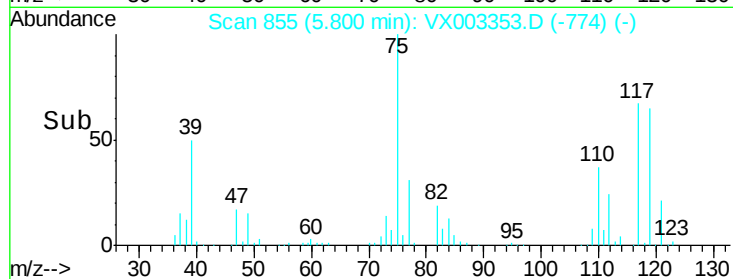
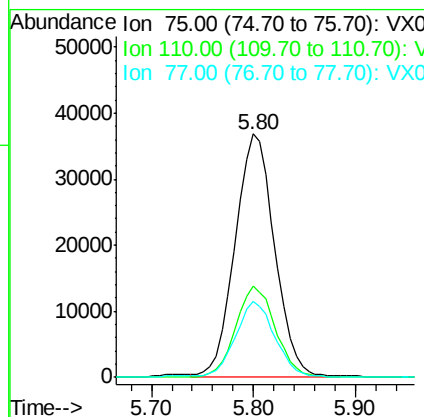
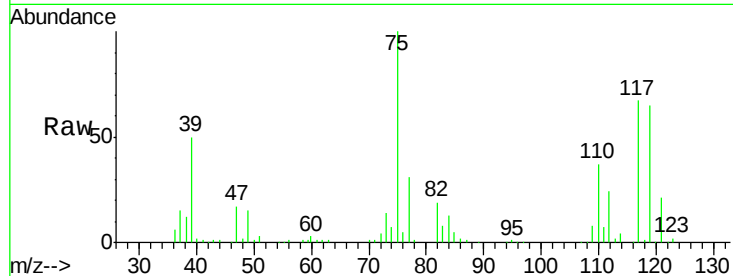
#29
 1,1-Dichloropropene
 Concen: 18.781 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	37.8	0.0	71.4
77	31.6	0.0	60.6

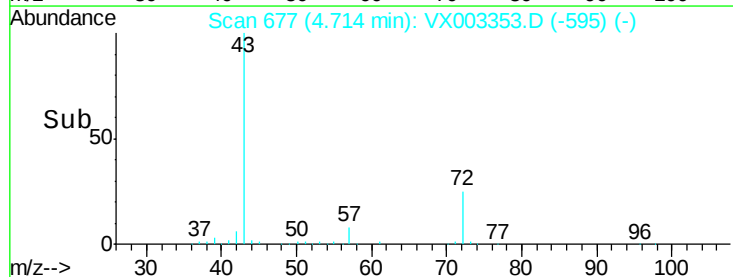
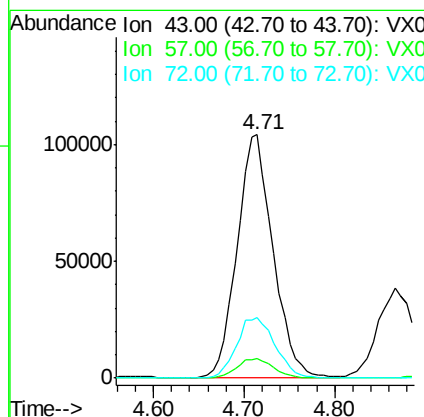
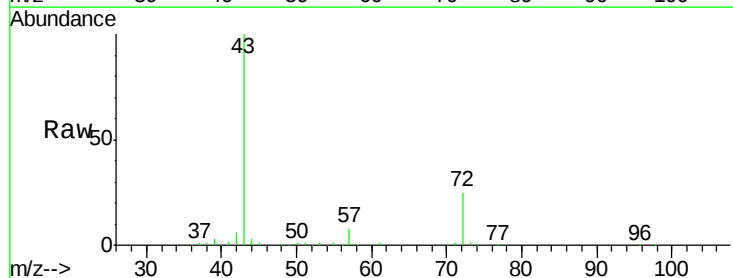
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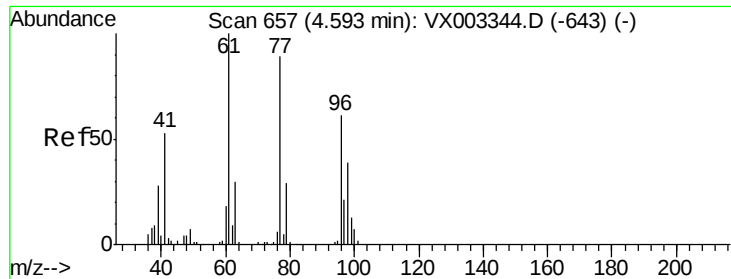
MMDadoda
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#30
 2-Butanone
 Concen: 97.294 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.3	6.1	9.1
72	26.8	18.1	27.1





#31

2,2-Dichloropropane

Concen: 17.652 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 77 Resp: 99851

Ion Ratio Lower Upper

77 100

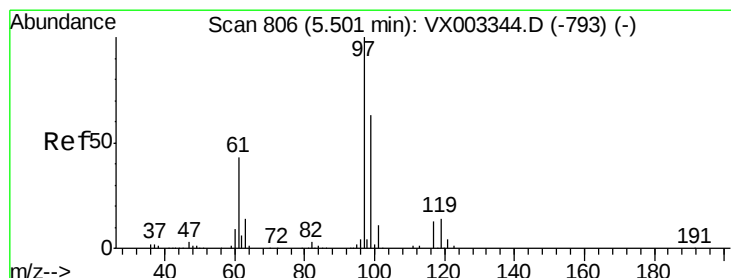
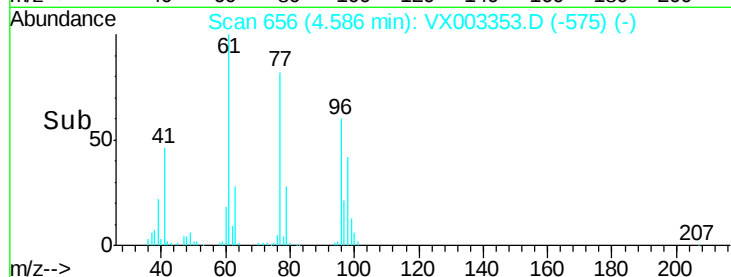
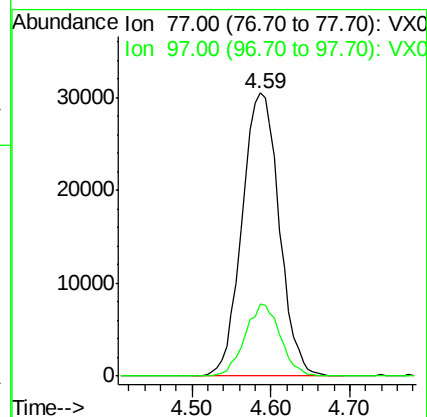
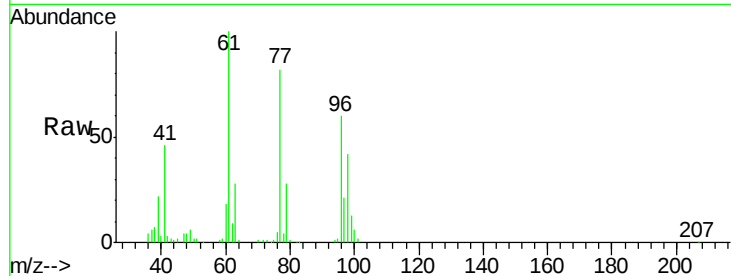
97 24.3 18.7 28.1

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#32

1,1,1-Trichloroethane

Concen: 19.138 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

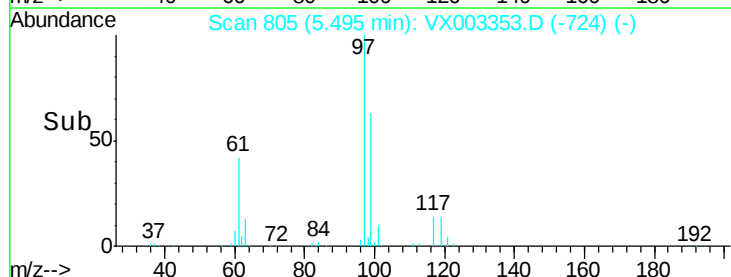
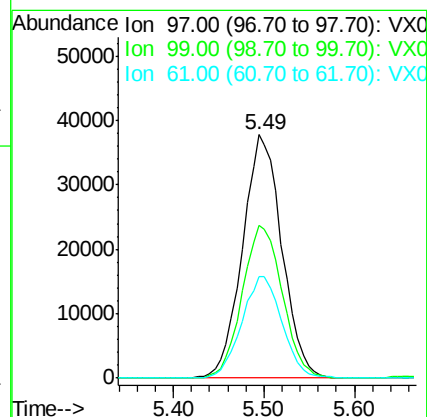
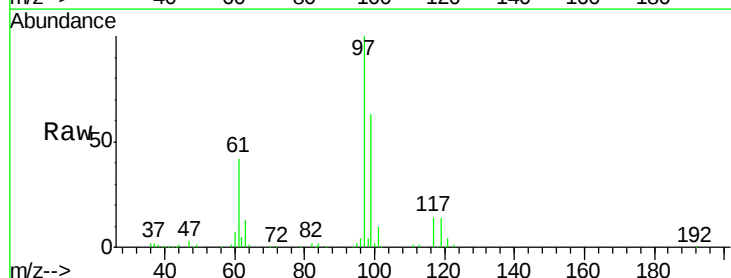
Tgt Ion: 97 Resp: 113483

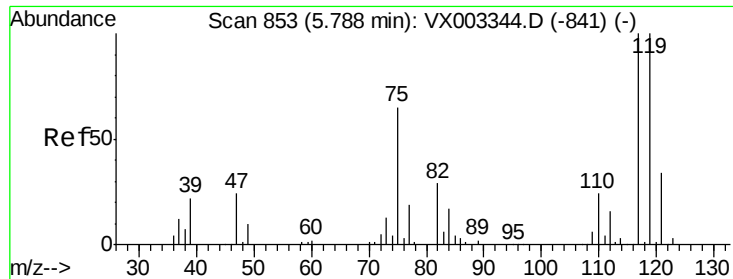
Ion Ratio Lower Upper

97 100

99 63.9 51.7 77.5

61 42.9 36.4 54.6





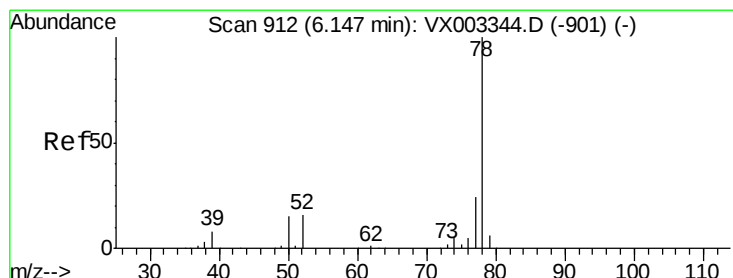
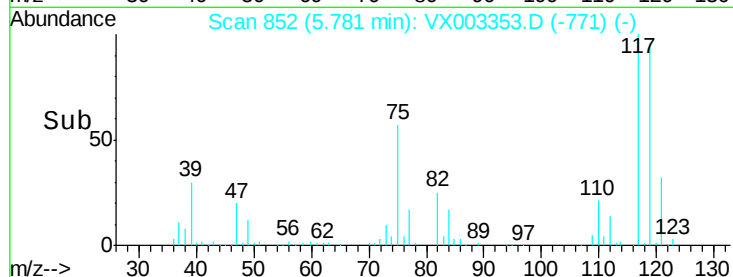
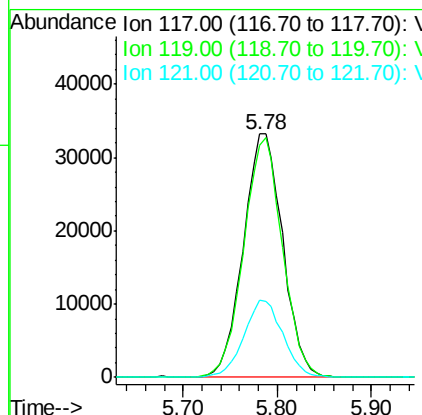
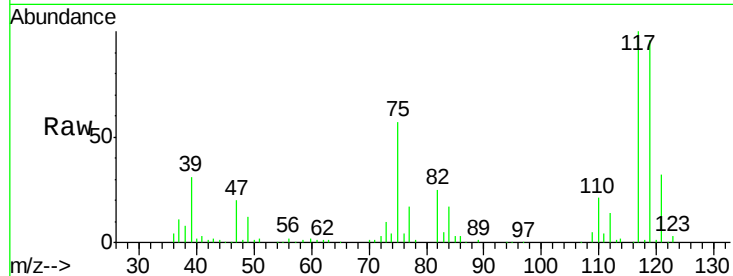
#33
Carbon Tetrachloride
Concen: 18.695 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Instrument :
MSVOA_X
ClientSampled :
VX0712WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.5	73.3	109.9
121	31.8	23.6	35.4

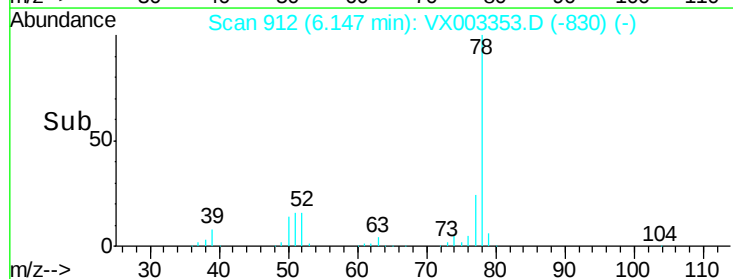
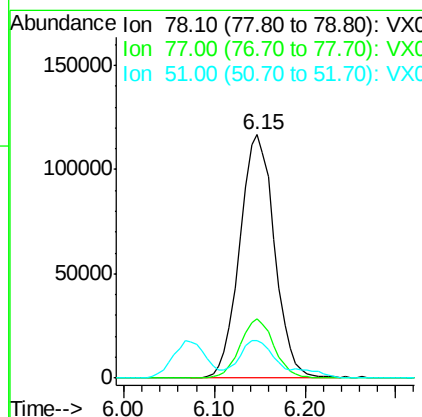
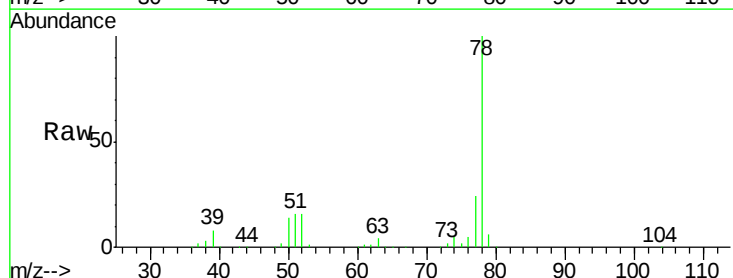
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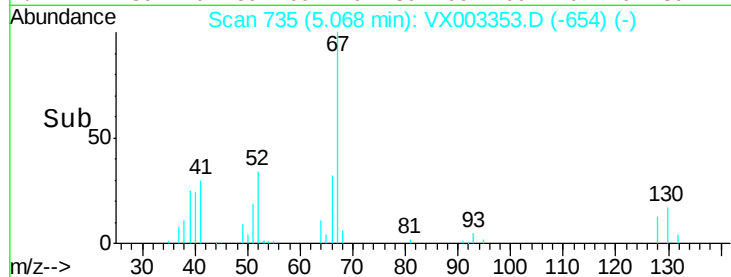
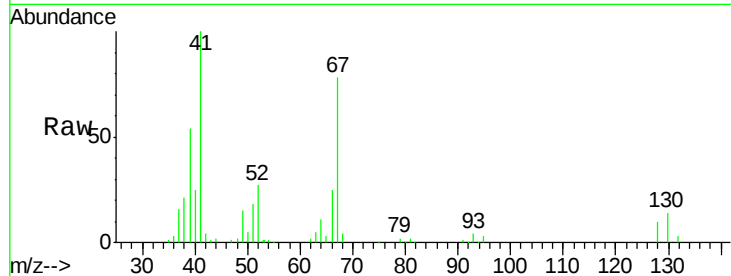
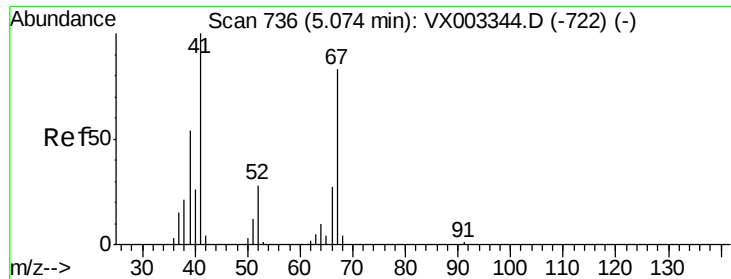
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#34
Benzene
Concen: 20.115 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0
51	15.1	13.8	20.6





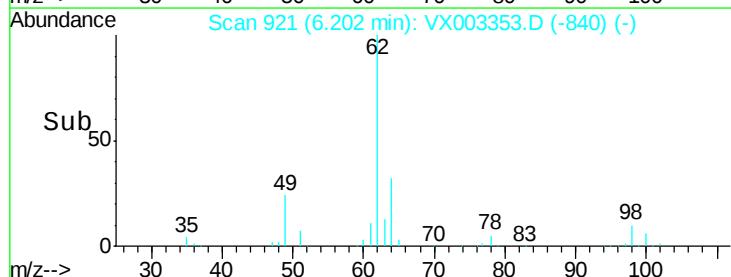
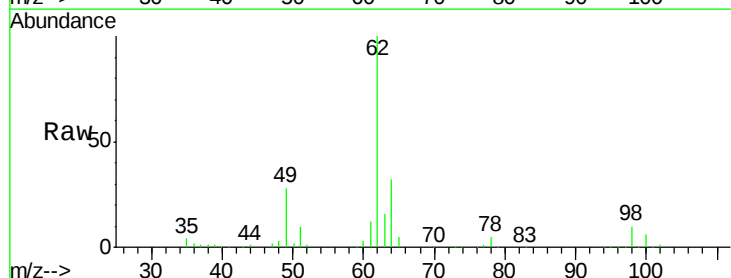
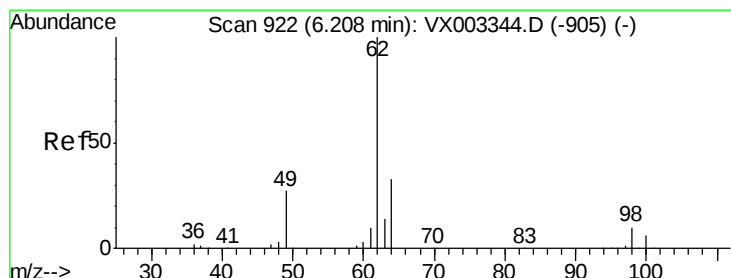
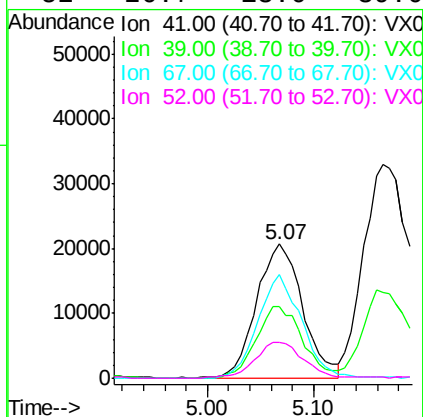
#35
Methacrylonitrile
Concen: 20.227 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.3	28.8	86.5		
67	77.7	30.4	91.2		
52	26.7	13.0	39.0		

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

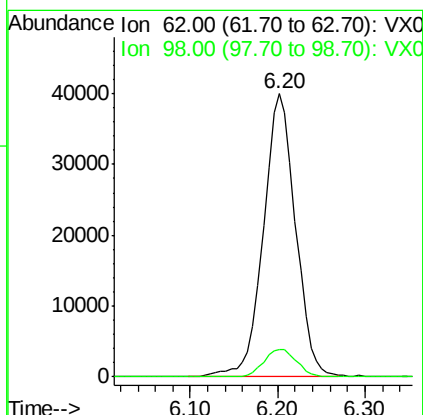
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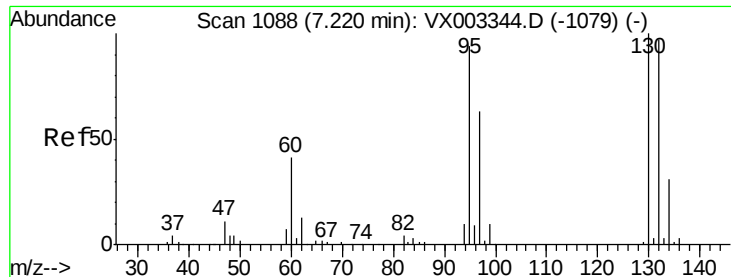
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#36
1,2-Dichloroethane
Concen: 19.185 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.0	6.5	9.7#		





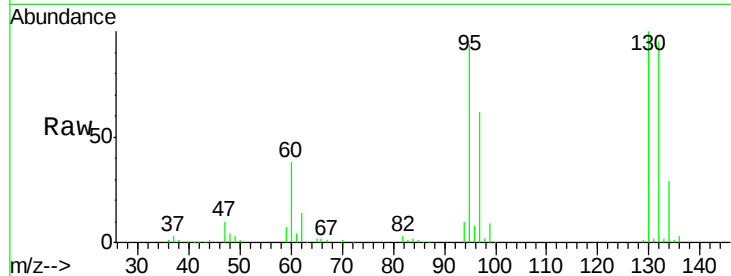
#37
 Trichloroethene
 Concen: 20.131 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBS01

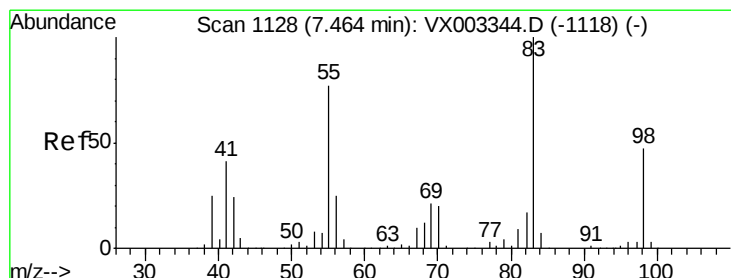
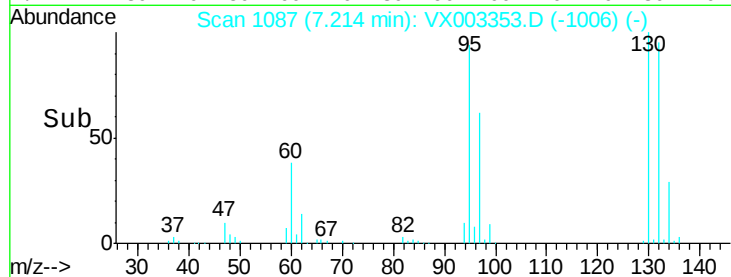
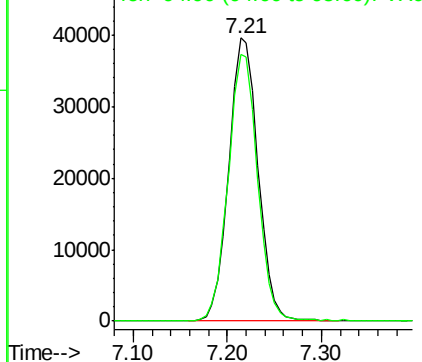
Tot Ion:130 Resp: 85859
 Ion Ratio Lower Upper
 130 100
 95 94.4 81.5 122.3

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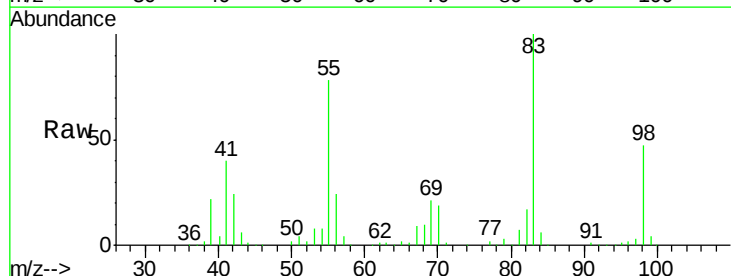


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

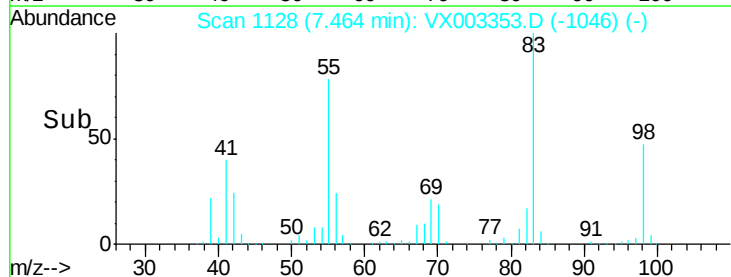
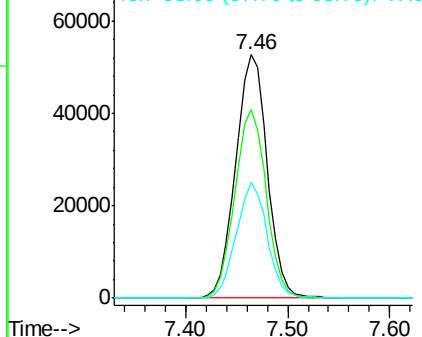


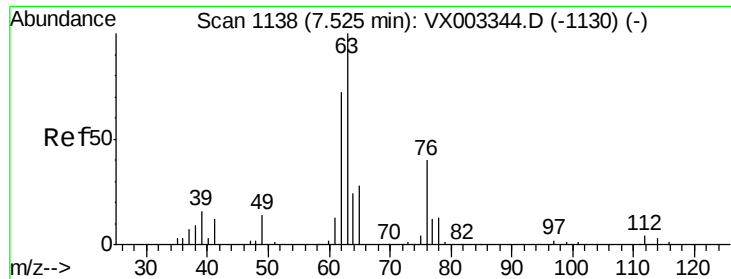
#38
 Methylcyclohexane
 Concen: 19.162 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Tgt Ion: 83 Resp: 113437
 Ion Ratio Lower Upper
 83 100
 55 76.9 40.6 121.8
 98 46.2 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





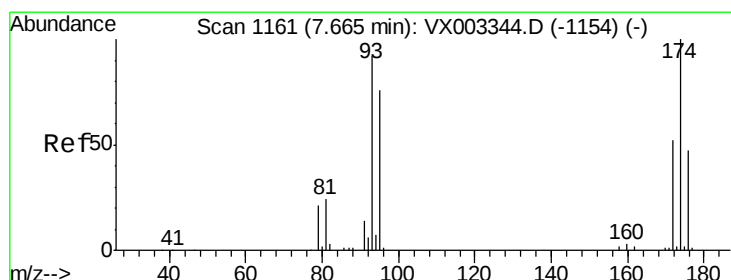
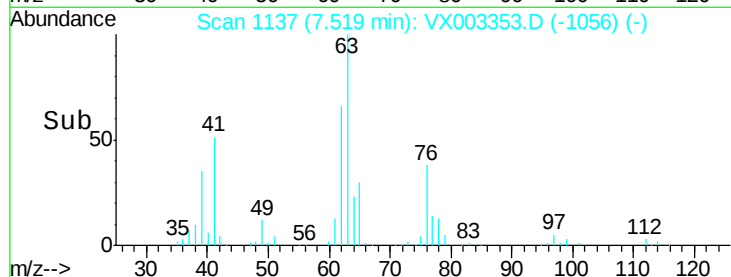
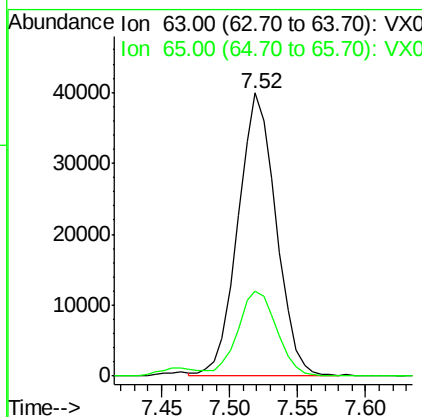
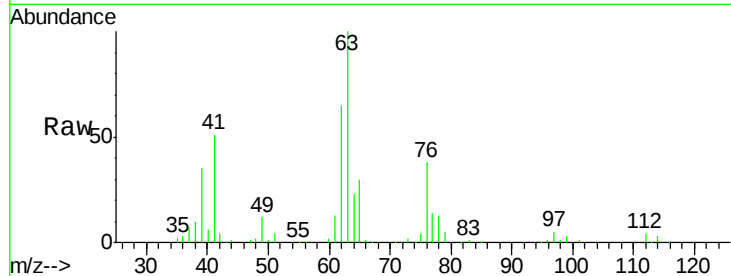
#39
 1,2-Dichloropropane
 Concen: 19.643 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBS01

Tot Ion: 63 Resp: 78280
 Ion Ratio Lower Upper
 63 100
 65 29.8 23.3 34.9

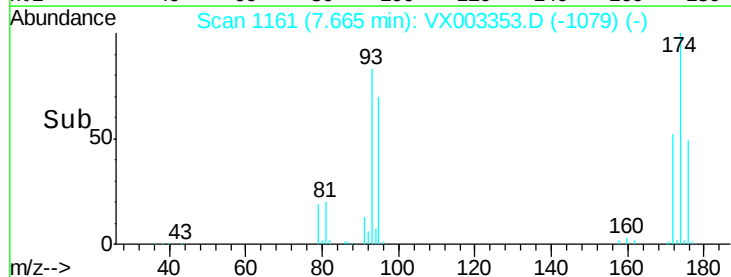
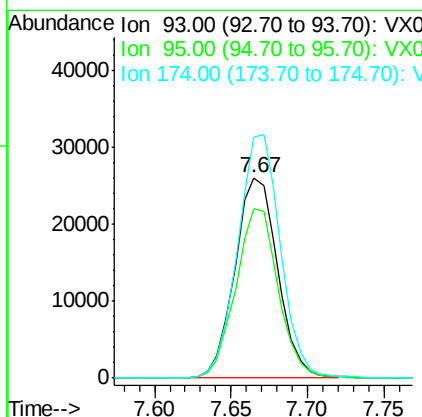
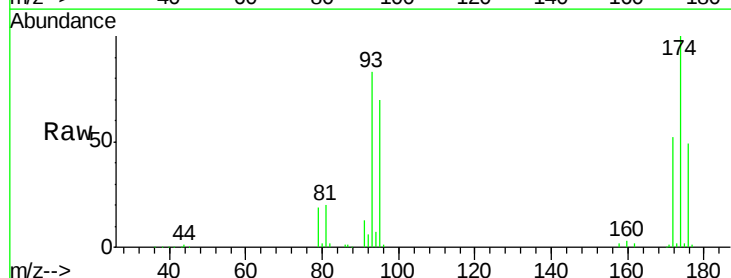
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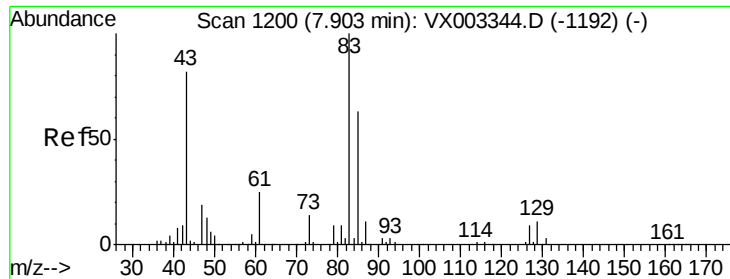
MMDadoda
 7/13/2018 11:35:54 AM



#40
 Dibromomethane
 Concen: 19.395 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Tgt Ion: 93 Resp: 50758
 Ion Ratio Lower Upper
 93 100
 95 83.8 0.0 162.6
 174 120.9 0.0 229.4





#41

Bromodichloromethane

Concen: 18.876 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Instrument :

MSVOA_X

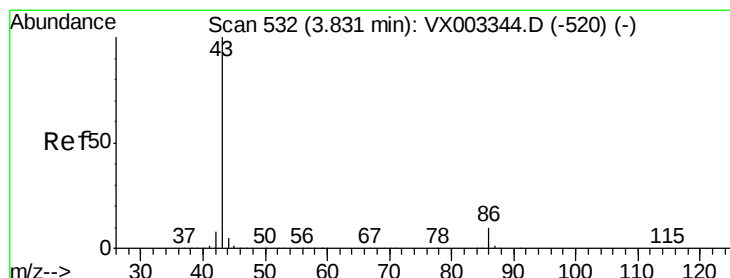
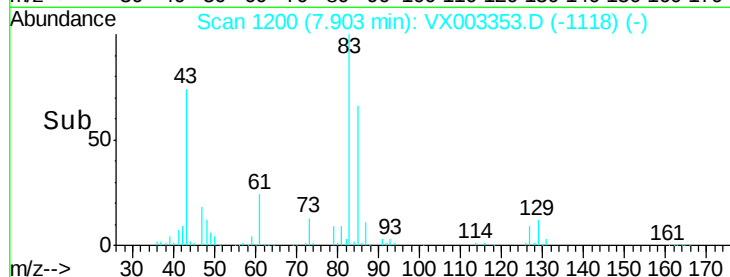
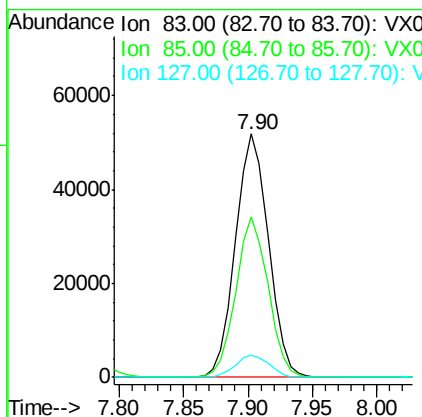
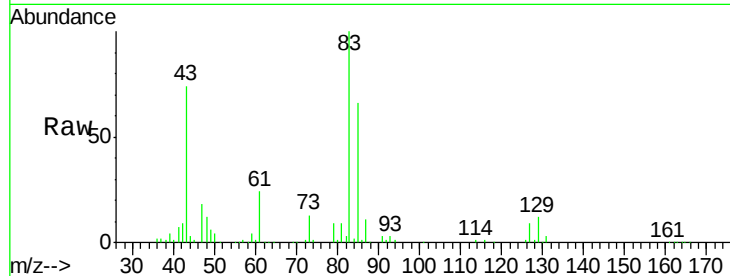
ClientSampleId :

VX0712WBS01

Tot Ion:	83	Resp:	92309
Ion Ratio	Lower	Upper	
83	100		
85	66.0	49.8	74.8
127	8.9	7.3	10.9

Manual Integrations
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#42

Vinyl Acetate

Concen: 88.330 ug/l

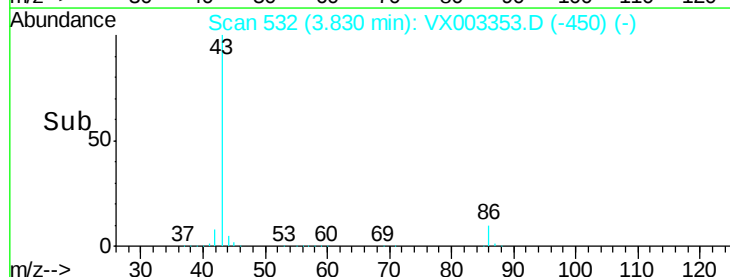
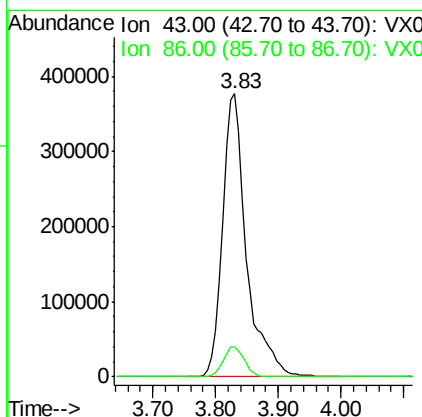
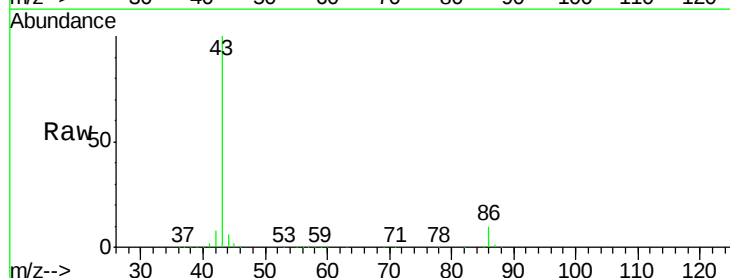
RT: 3.83 min Scan# 532

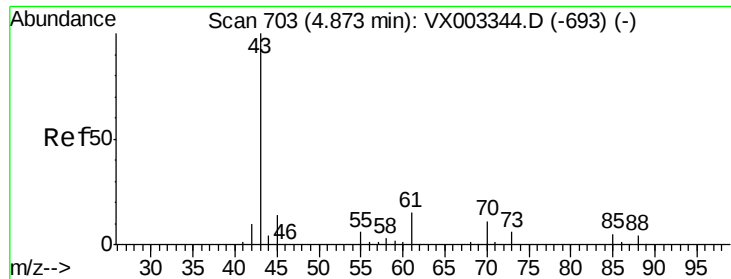
Delta R.T. -0.00 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Tgt Ion:	43	Resp:	993102
Ion Ratio	Lower	Upper	
43	100		
86	9.5	6.7	10.1





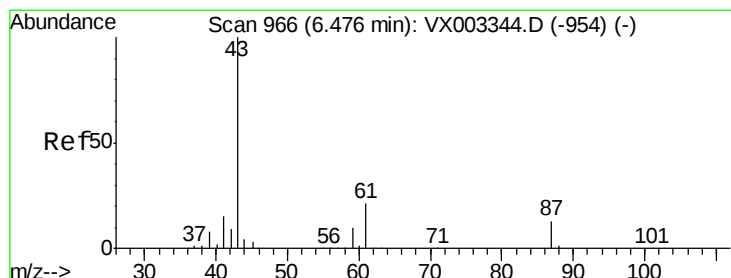
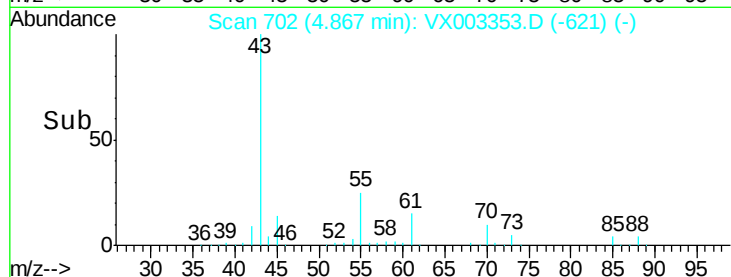
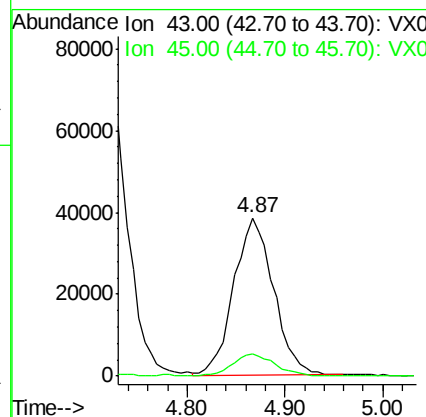
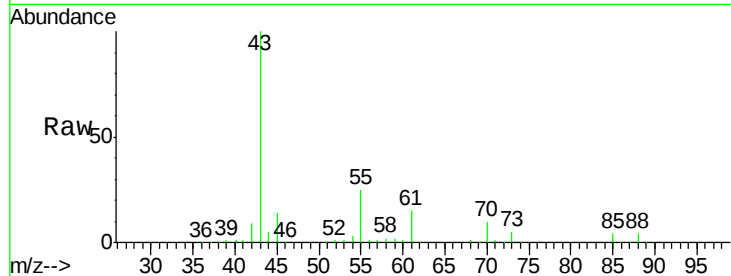
#43
Ethyl Acetate
Concen: 19.464 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion: 43 Resp: 108197
Ion Ratio Lower Upper
43 100
45 14.4 11.0 16.4

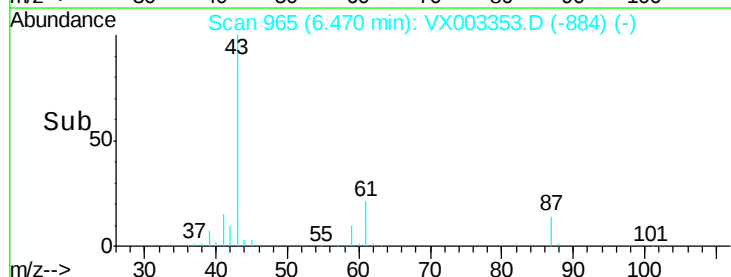
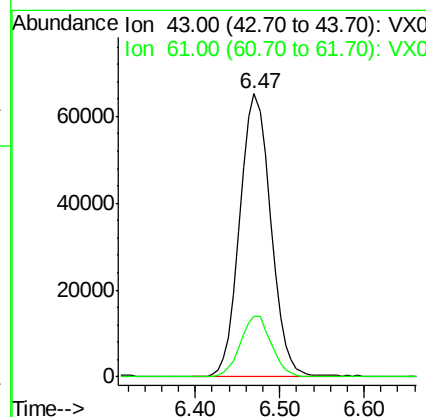
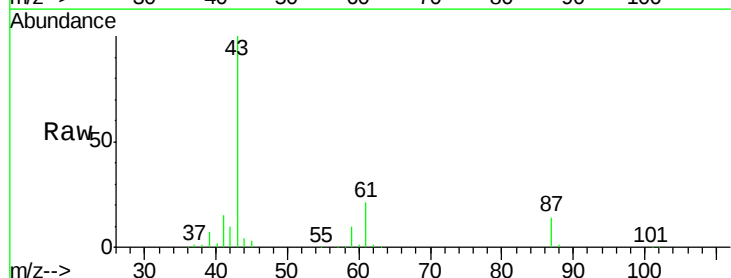
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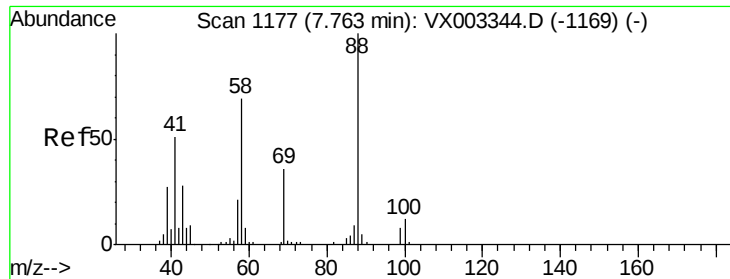
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#44
Isopropyl Acetate
Concen: 19.062 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion: 43 Resp: 162412
Ion Ratio Lower Upper
43 100
61 21.3 14.5 21.7





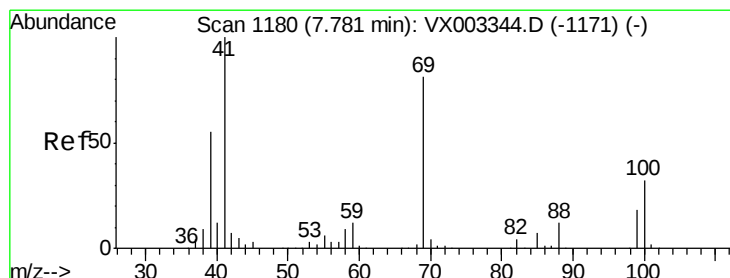
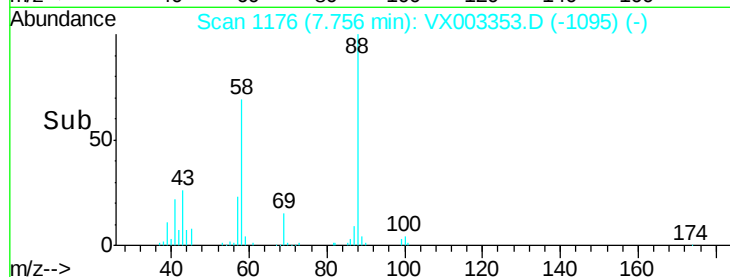
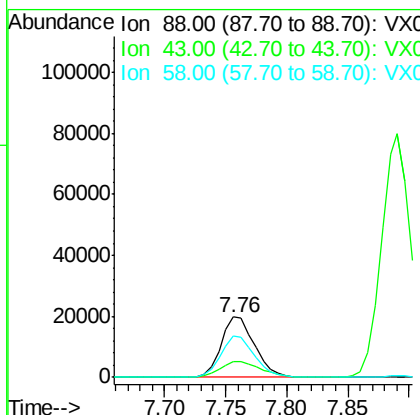
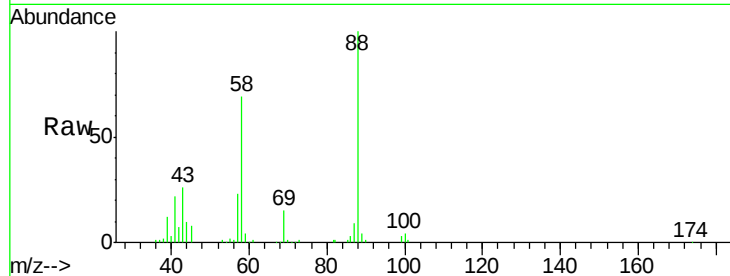
#45
 1,4-Dioxane
 Concen: 412.494 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0712WBS01

Tot Ion	88	Resp	37513
Ion Ratio	Lower	Upper	
88	100		
43	30.5	43.2	64.8#
58	70.1	60.2	90.2

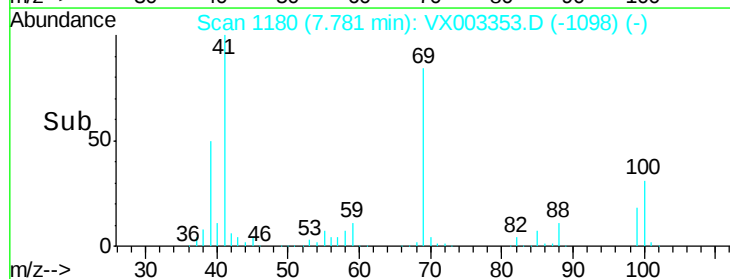
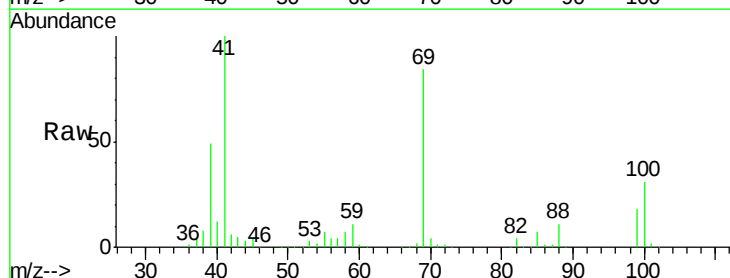
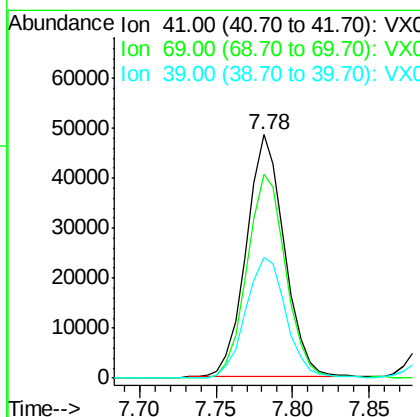
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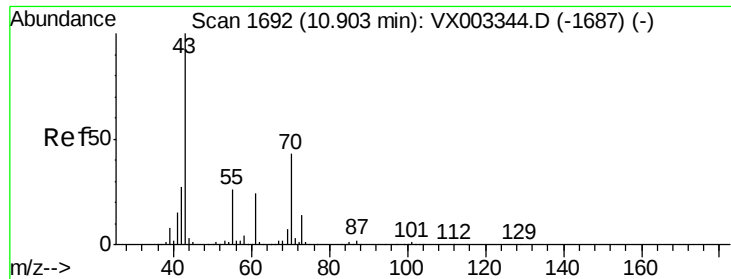
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#46
 Methyl methacrylate
 Concen: 19.036 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Tgt Ion	41	Resp	83873
Ion Ratio	Lower	Upper	
41	100		
69	84.1	37.0	110.9
39	49.5	29.6	88.9





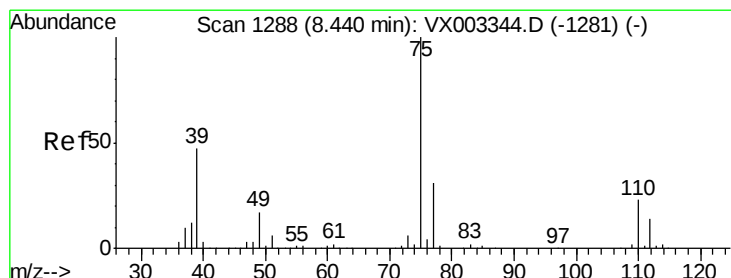
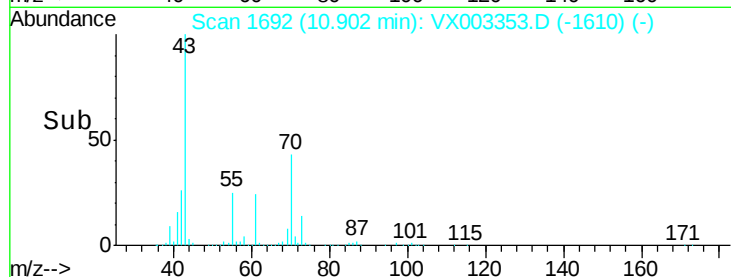
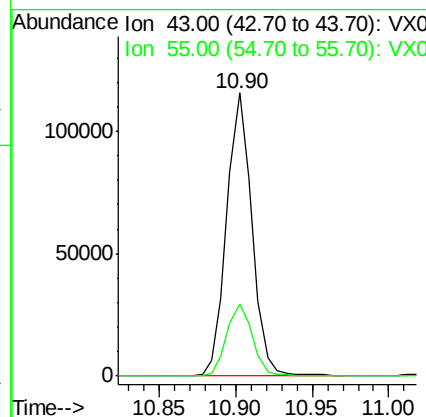
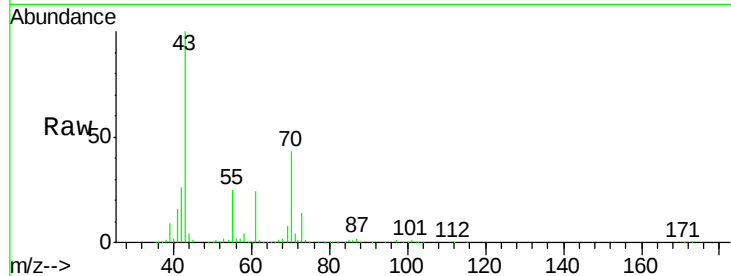
#47
n-amvl Acetate
Concen: 18.120 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion: 43 Resp: 132975
Ion Ratio Lower Upper
43 100
55 26.2 0.1 0.1#

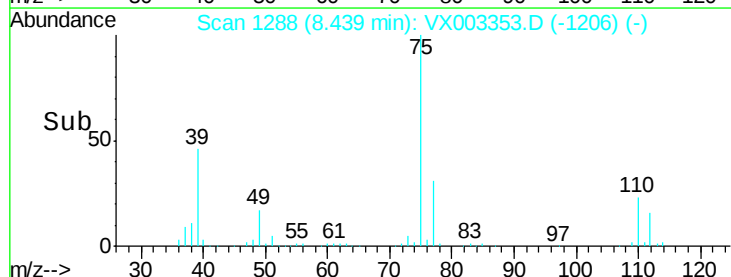
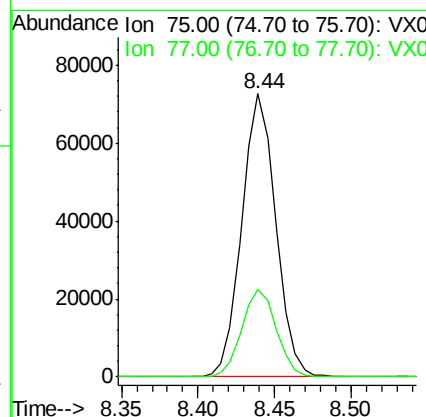
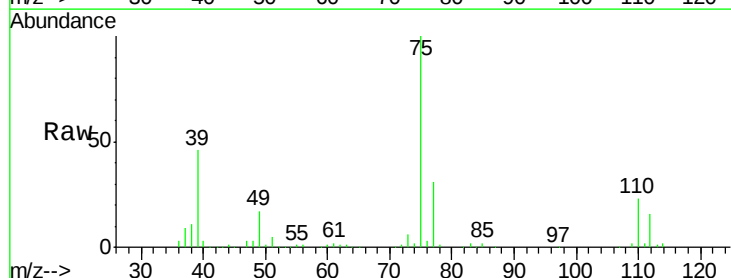
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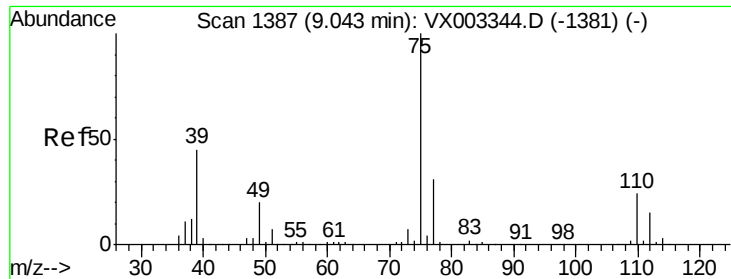
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#48
t-1,3-Dichloropropene
Concen: 18.786 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion: 75 Resp: 111814
Ion Ratio Lower Upper
75 100
77 31.0 25.6 38.4





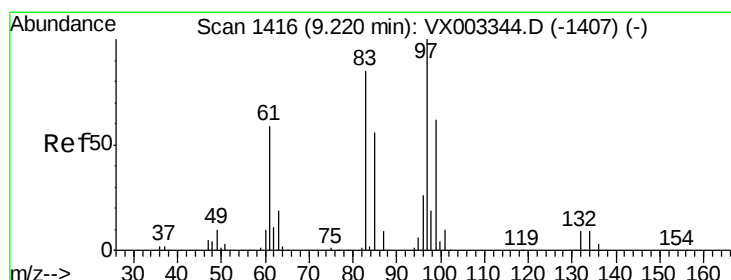
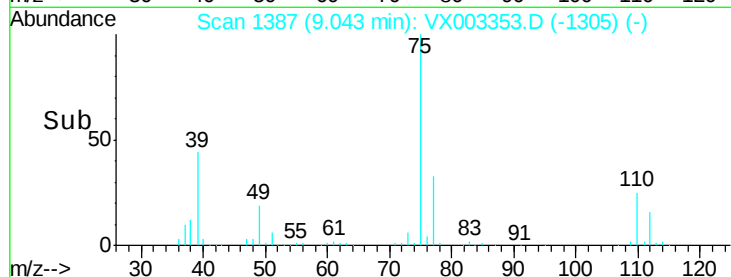
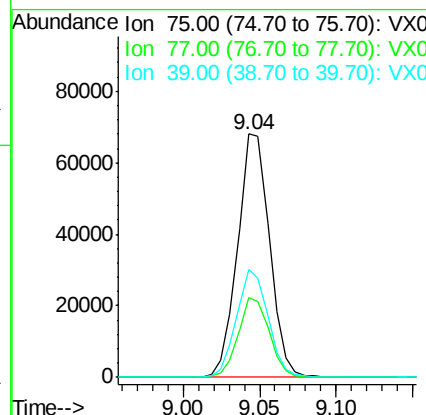
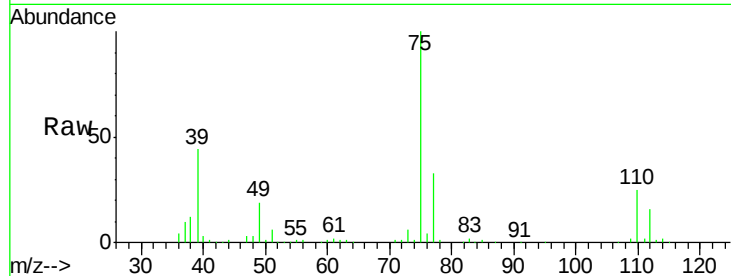
#49
 cis-1,3-Dichloropropene
 Concen: 18.309 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.4	38.2
39	44.1	42.3	63.5

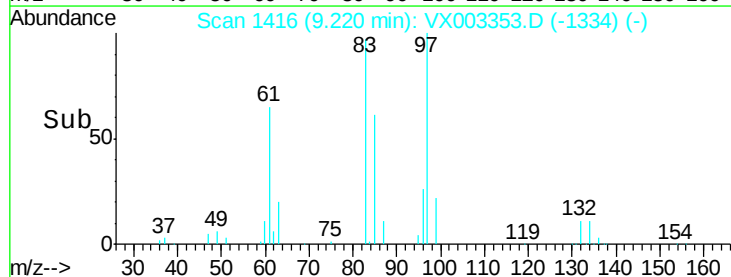
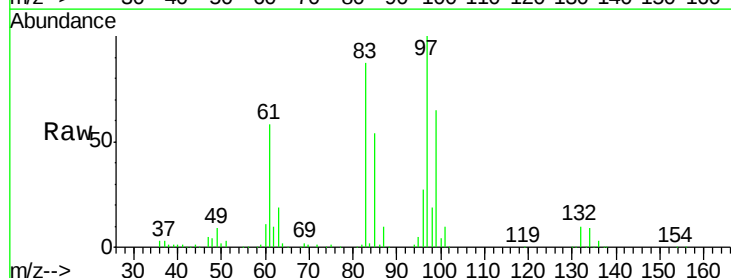
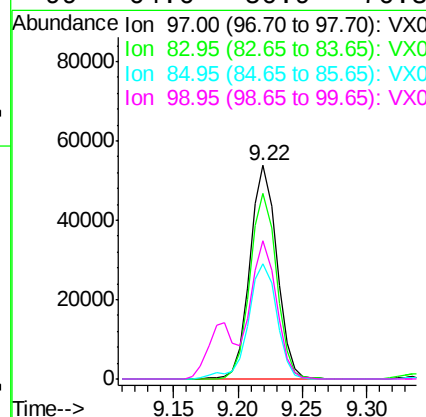
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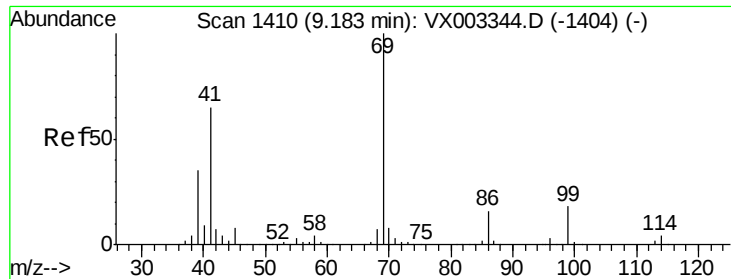
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#50
 1,1,2-Trichloroethane
 Concen: 19.659 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.8	106.2
85	54.2	43.5	65.3
99	64.6	50.9	76.3





#51

Ethyl methacrylate

Concen: 18.847 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Instrument :

MSVOA_X

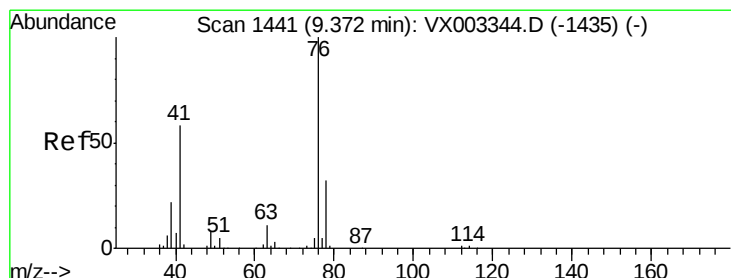
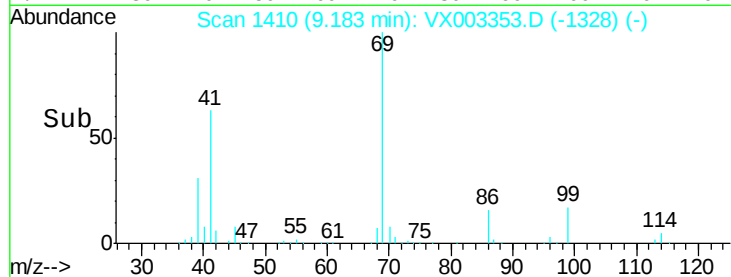
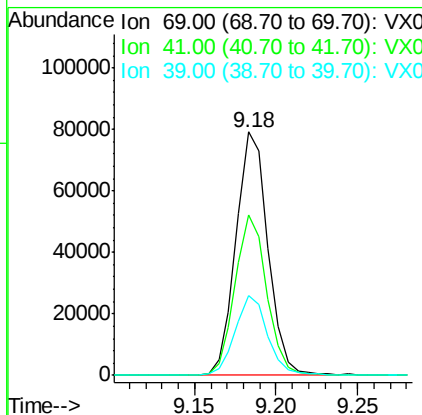
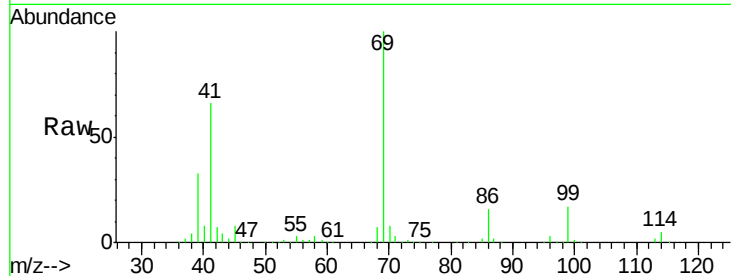
ClientSampleId :

VX0712WBS01

Tot Ion:	69	Resp:	108414
Ion	Ratio	Lower	Upper
69	100		
41	65.7	39.1	117.3
39	32.7	21.7	65.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.560 ug/l

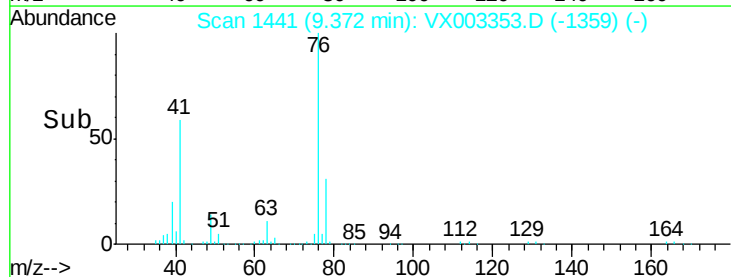
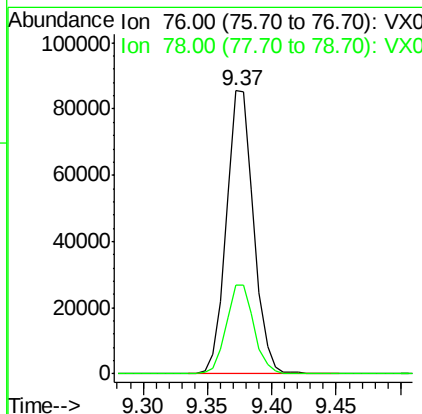
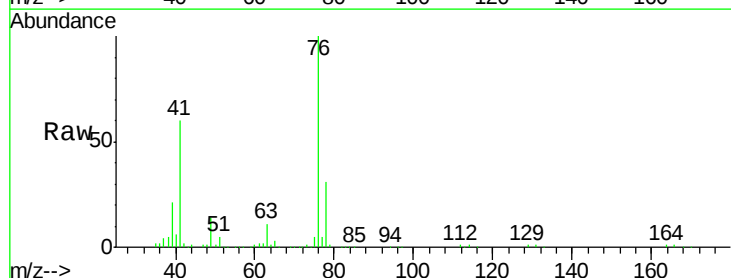
RT: 9.37 min Scan# 1441

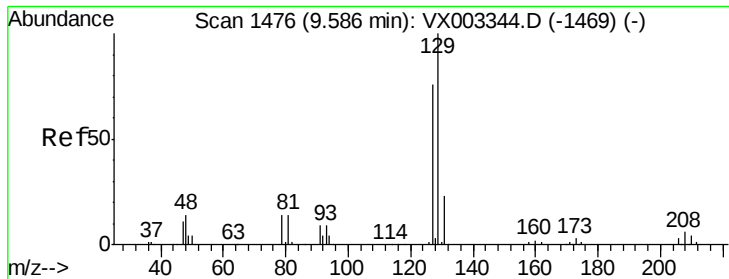
Delta R.T. -0.00 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Tgt Ion:	76	Resp:	126813
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	63.4





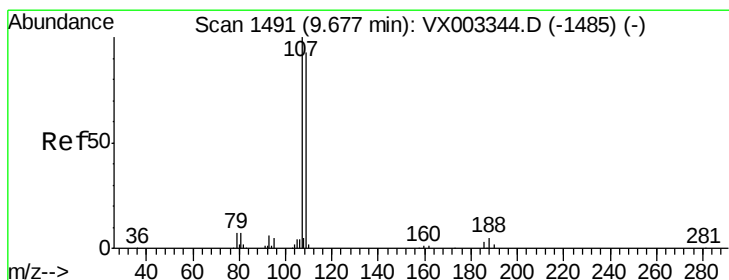
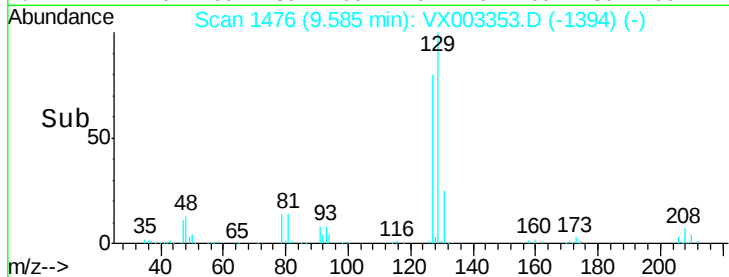
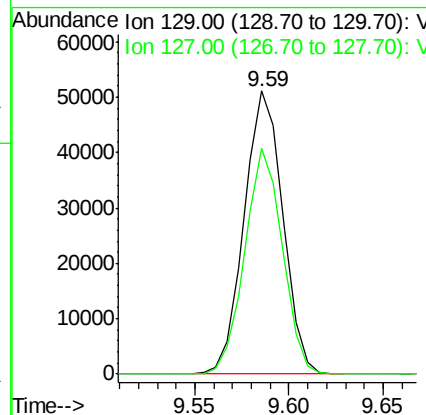
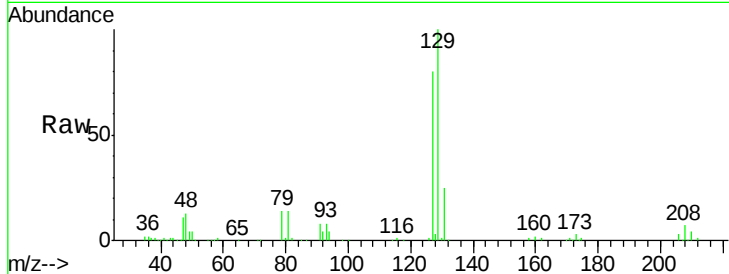
#53
Dibromochloromethane
Concen: 18.480 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.2	38.5	115.3	

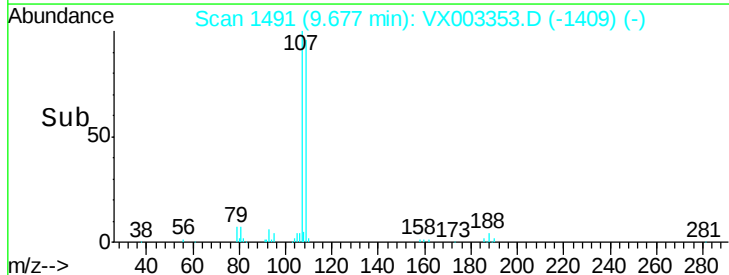
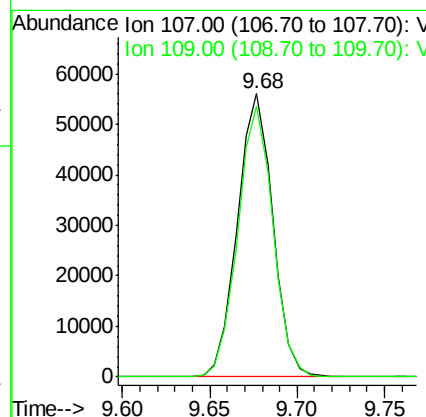
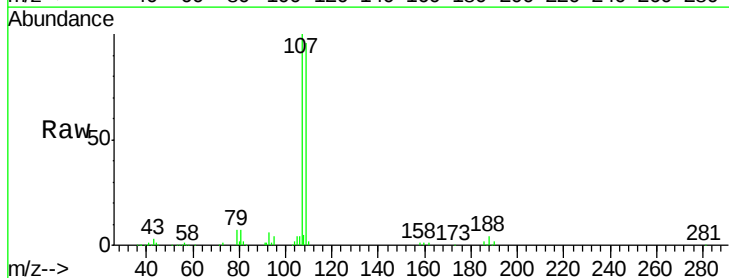
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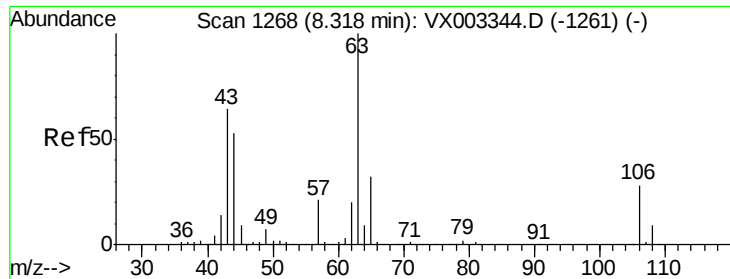
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#54
1,2-Dibromoethane
Concen: 19.224 ug/l
RT: 9.68 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	95.3	75.5	113.3	





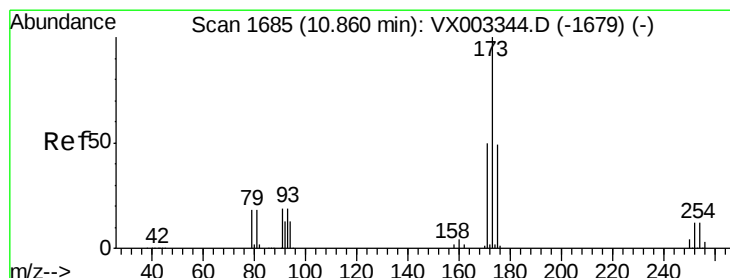
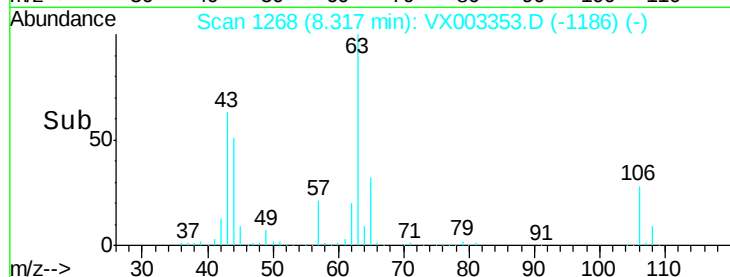
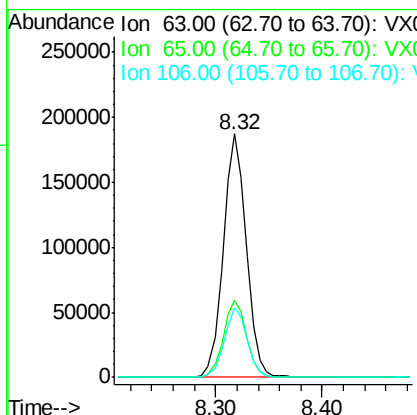
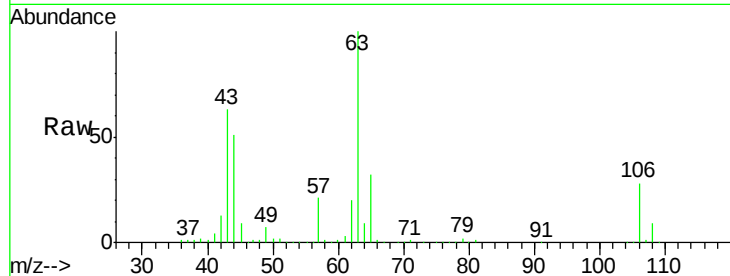
#55
2-Chloroethyl vinyl ether
Concen: 103.877 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.6	38.4
106	28.3	21.6	32.4

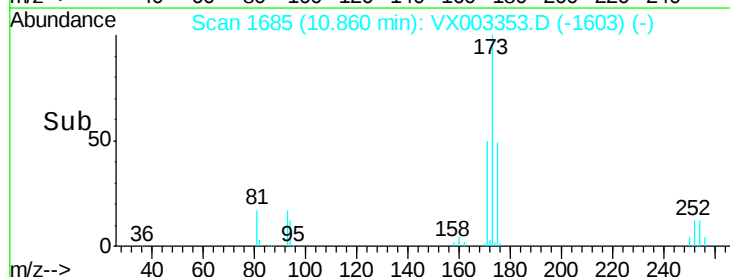
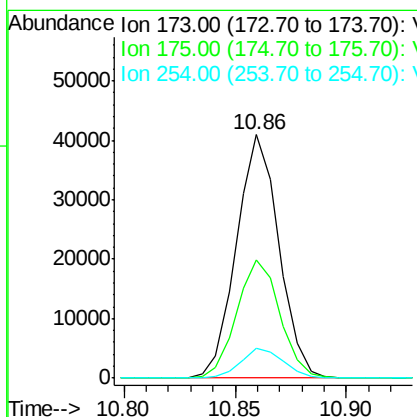
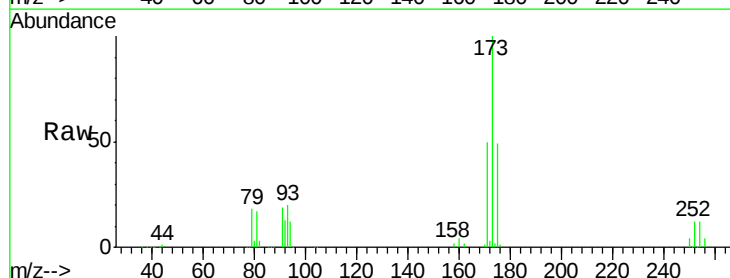
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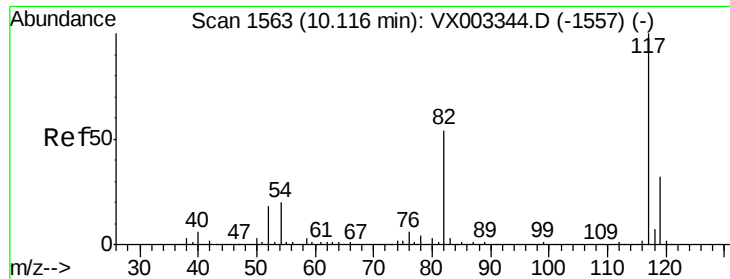
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#56
Bromoform
Concen: 18.033 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.0	58.4
254	12.1	9.6	14.4





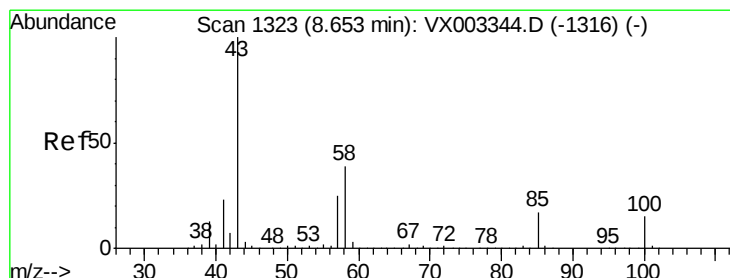
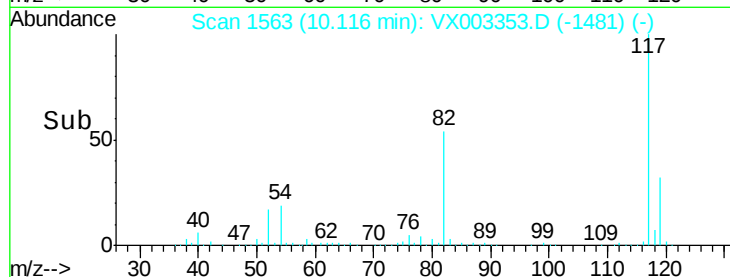
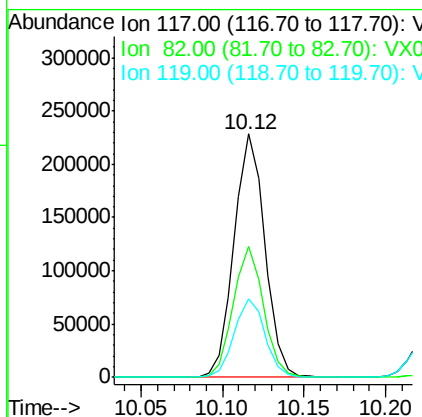
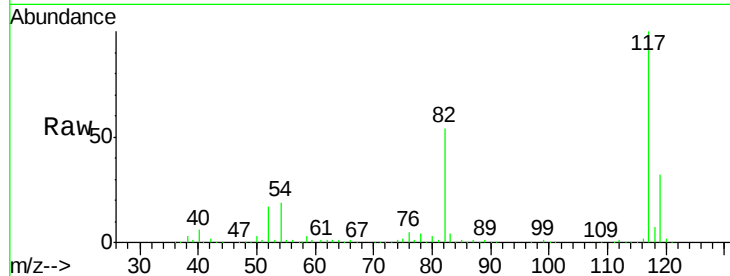
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	44.3	66.5
119	32.2	25.7	38.5

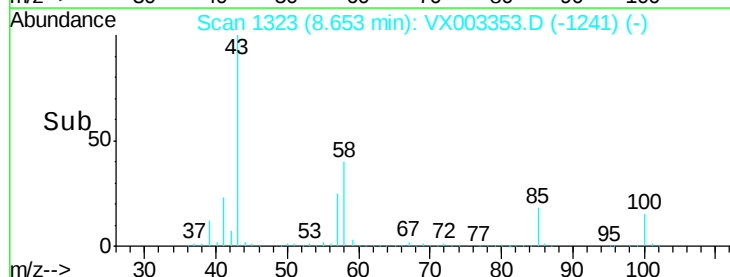
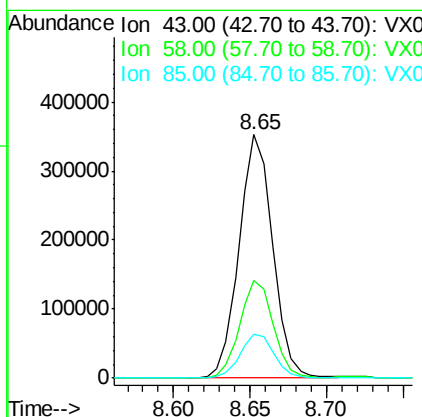
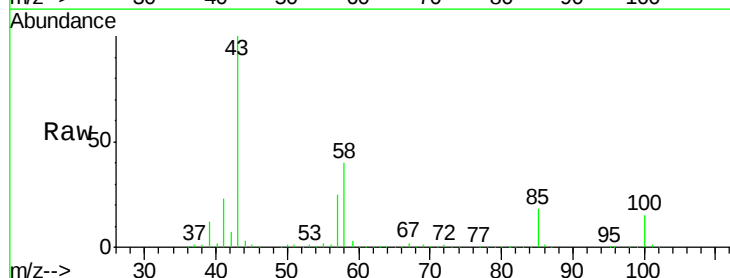
Manual Integrations
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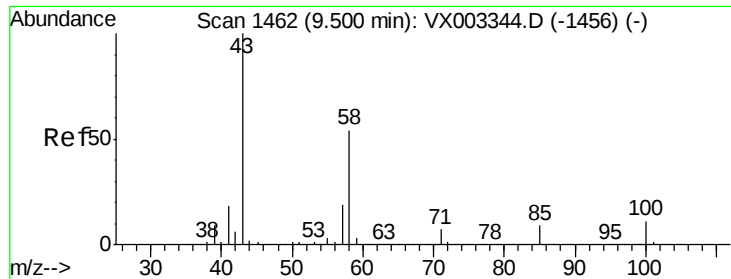
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 99.981 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.2	28.2	42.4
85	18.2	12.4	18.6





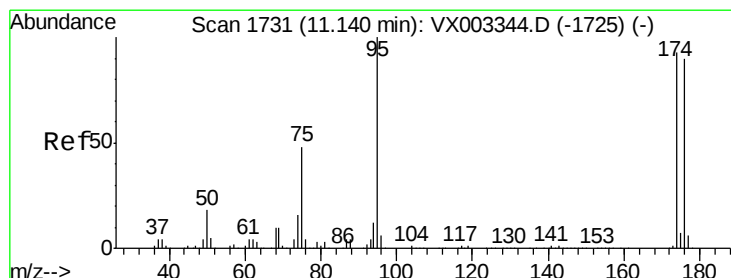
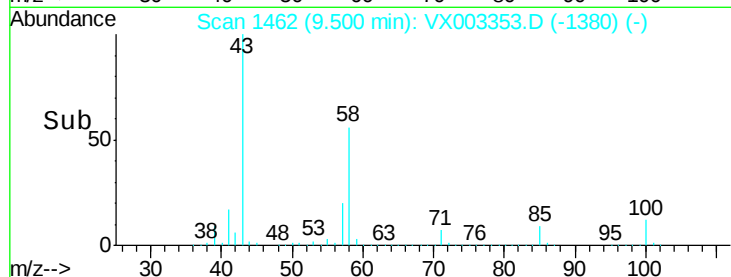
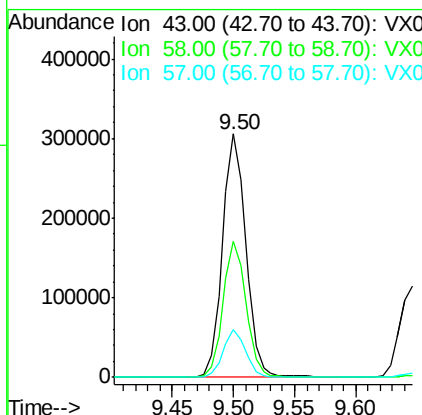
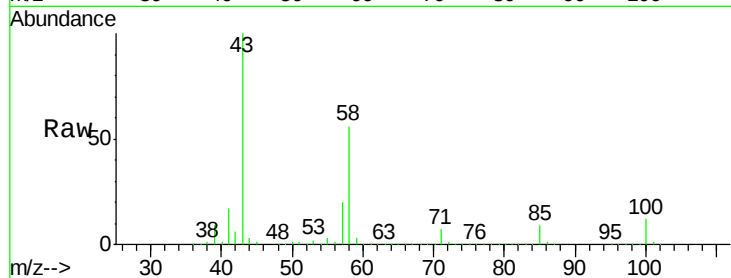
#59
2-Hexanone
Concen: 98.902 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	39.6	59.4
57	19.0	14.1	21.1

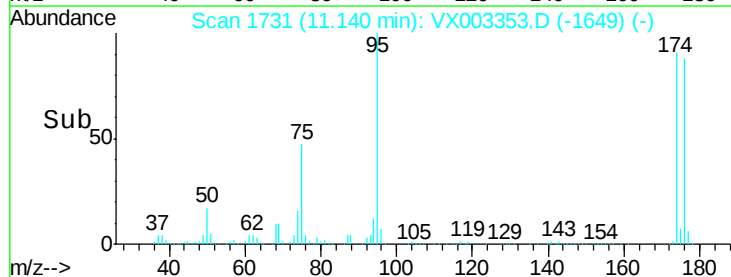
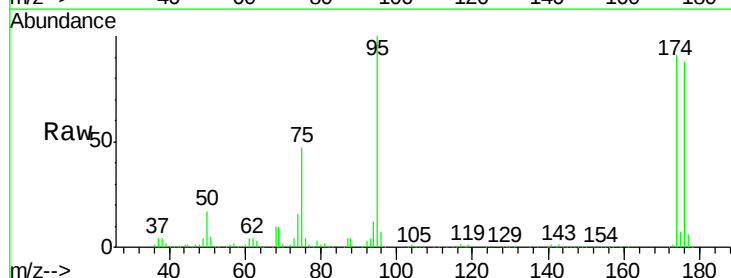
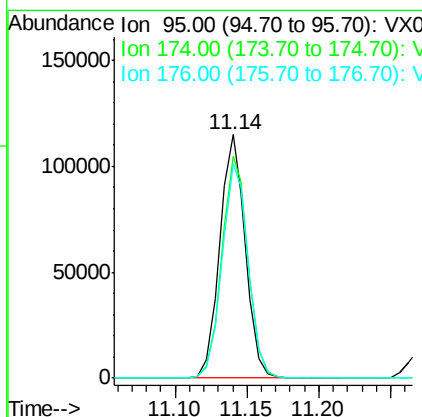
Manual Integrations
APPROVED

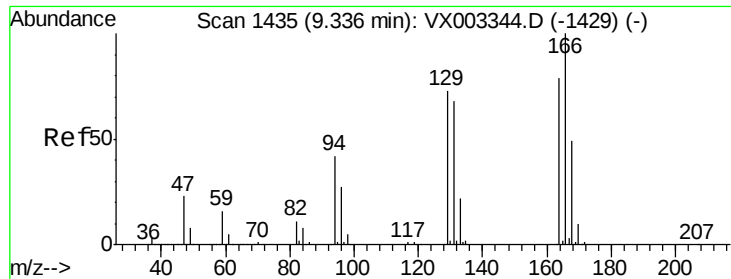
MMDadoda
7/13/2018 11:35:54 AM



#60
4-Bromofluorobenzene
Concen: 29.424 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.6	71.8	107.6
176	90.6	70.1	105.1





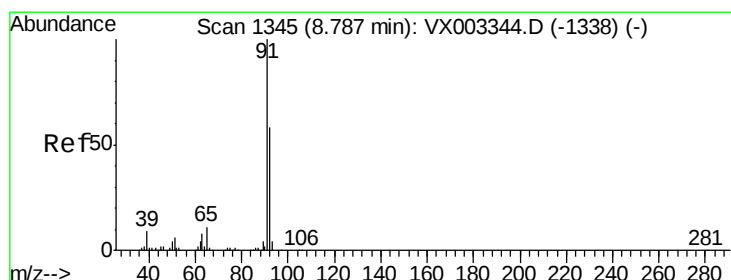
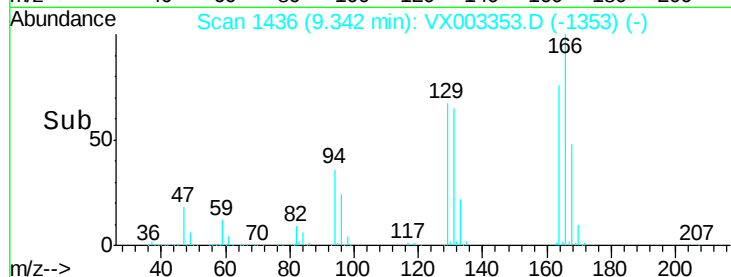
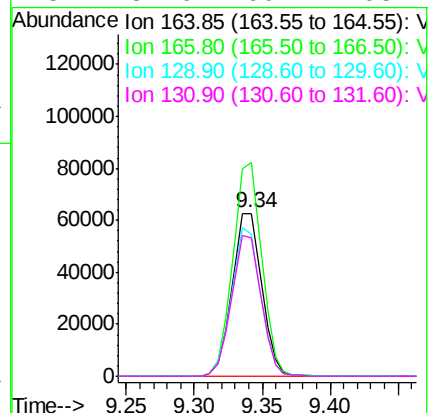
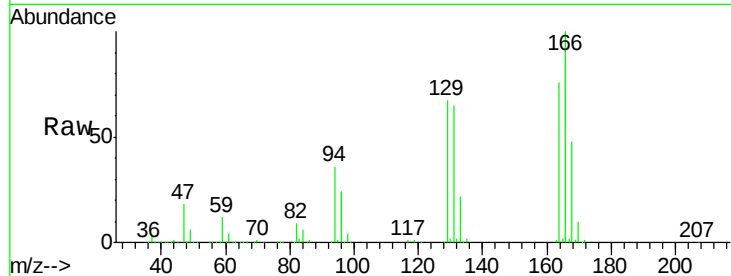
#61
Tetrachloroethene
Concen: 20.710 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.0	102.4	153.6
129	87.3	70.1	105.1
131	84.6	69.1	103.7

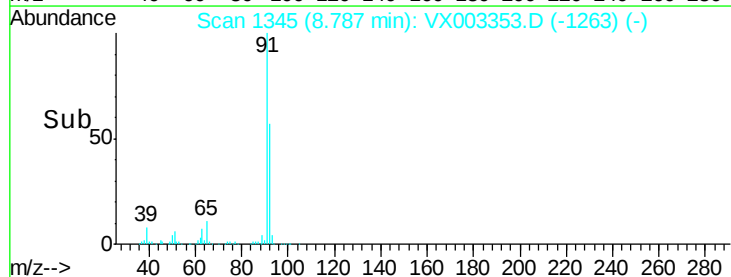
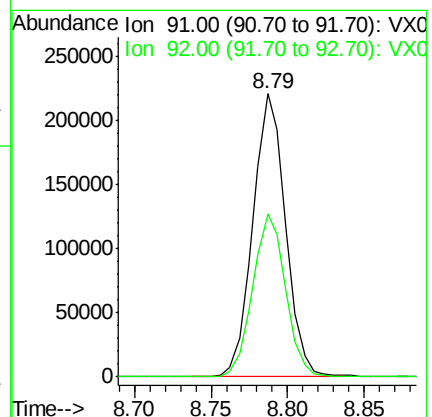
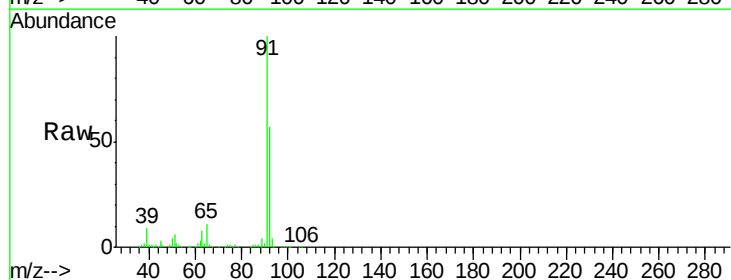
Manual Integrations
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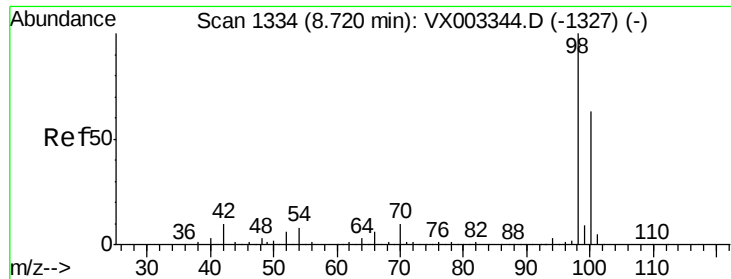
MMDadoda
7/13/2018 11:35:54 AM



#62
Toluene
Concen: 19.967 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.8	46.5	69.7





#63

Toluene-d8

Concen: 30.246 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 98 Resp: 402773

Ion Ratio Lower Upper

98 100

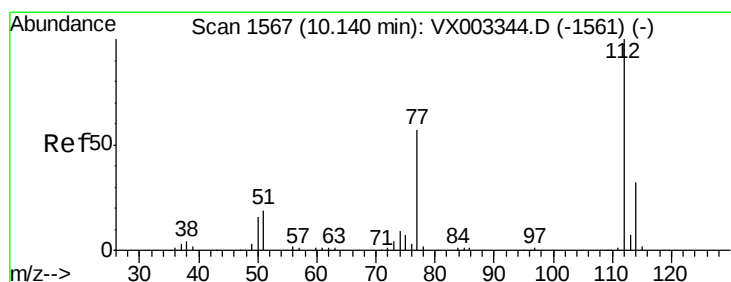
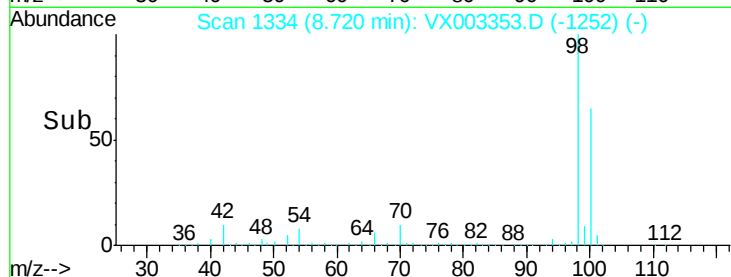
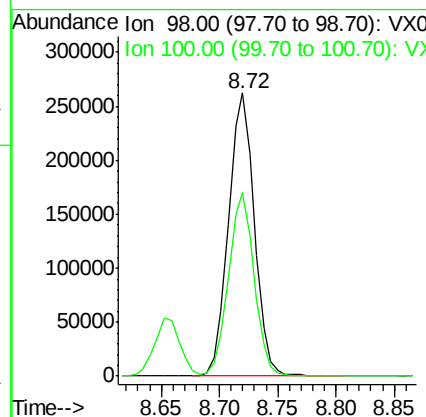
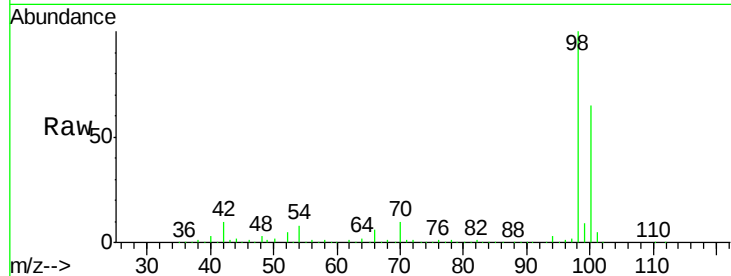
100 64.3 50.8 76.2

Manual Integrations

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#64

Chlorobenzene

Concen: 19.663 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003353.D

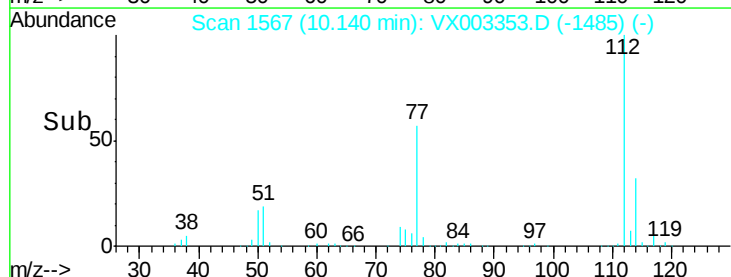
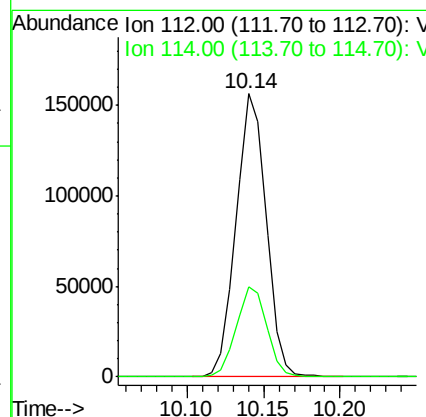
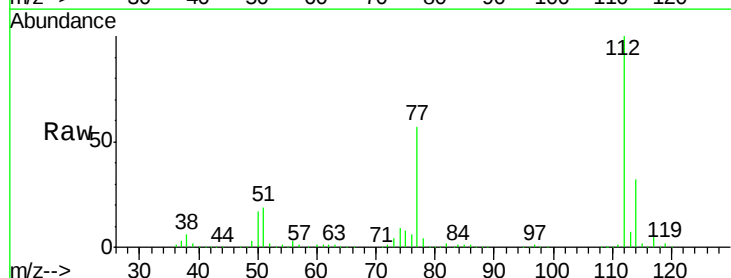
Acq: 12 Jul 2018 16:02

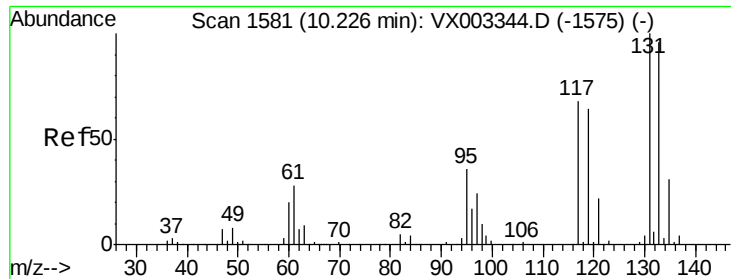
Tgt Ion: 112 Resp: 213981

Ion Ratio Lower Upper

112 100

114 31.6 25.6 38.4





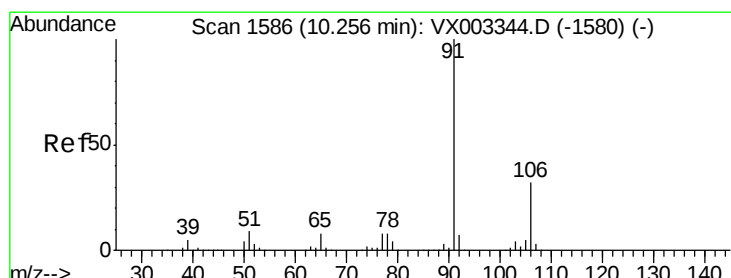
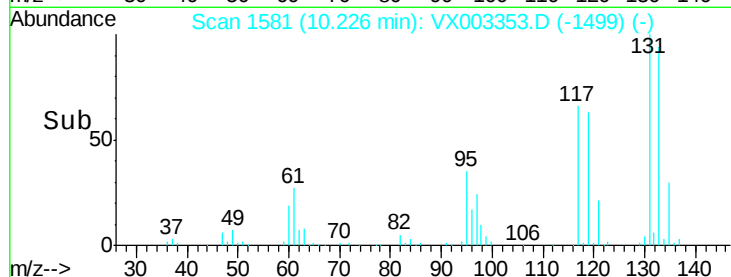
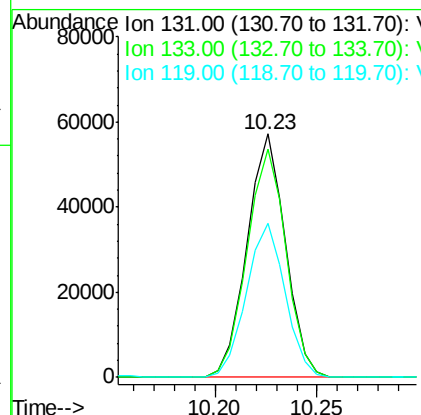
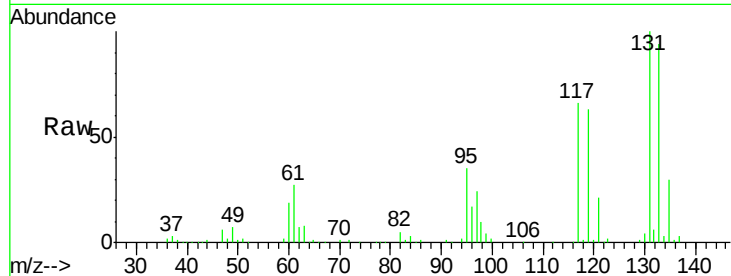
#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.417 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.2	0.0	191.2
119	64.1	0.0	125.4

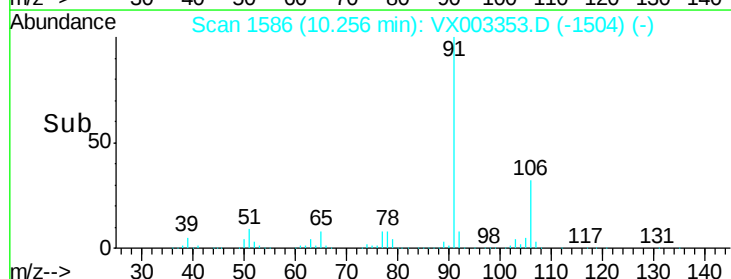
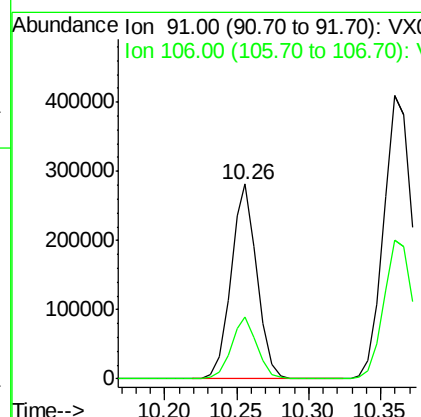
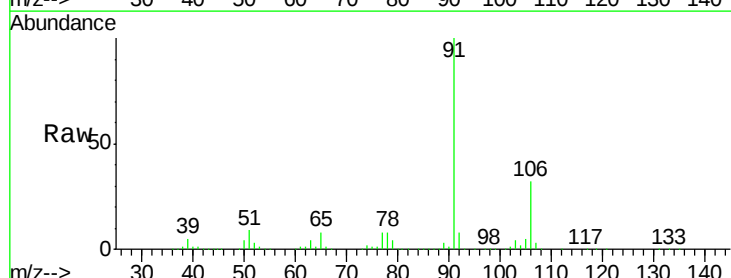
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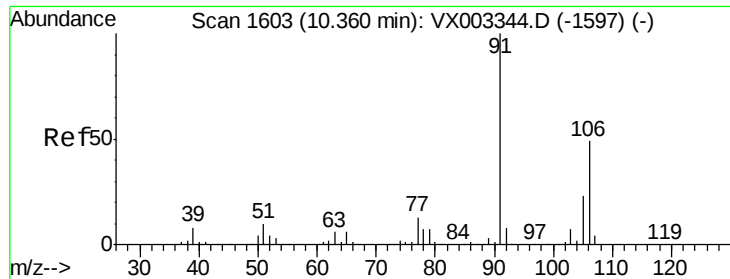
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#66
 Ethyl Benzene
 Concen: 19.529 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.2	37.8





#67
m/p-Xvlenes
Concen: 38.993 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

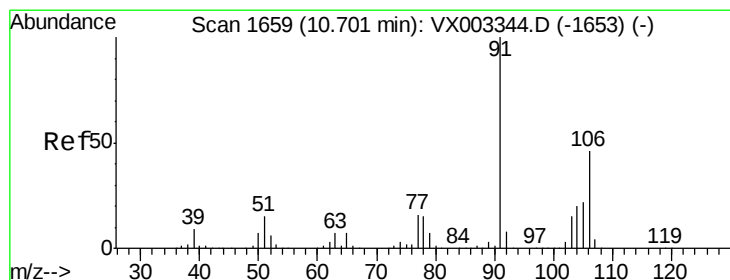
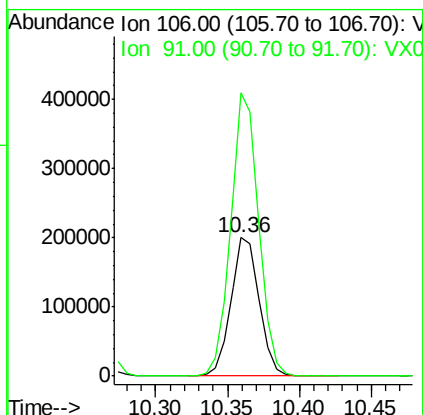
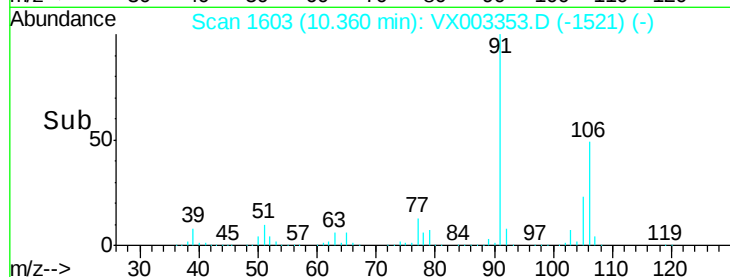
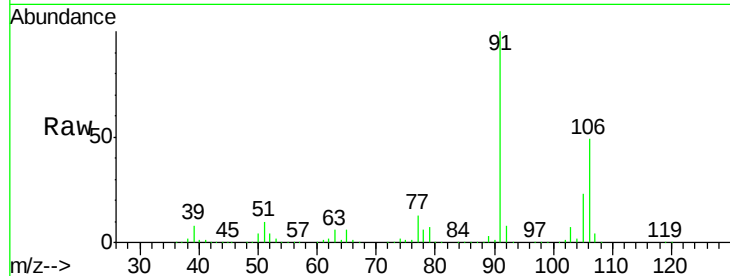
Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion:106 Resp: 275533
Ion Ratio Lower Upper
106 100
91 202.0 164.1 246.1

Manual Integrations
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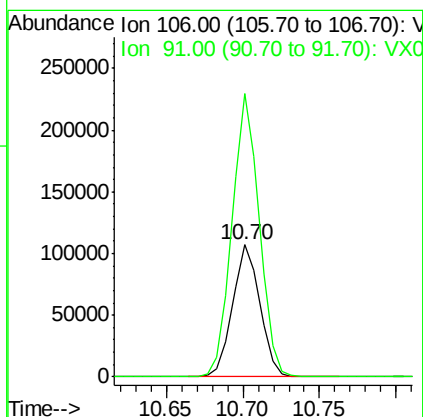
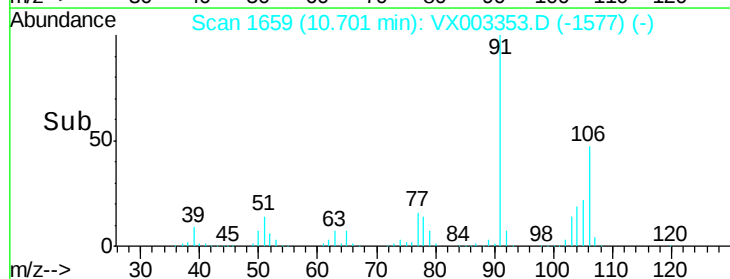
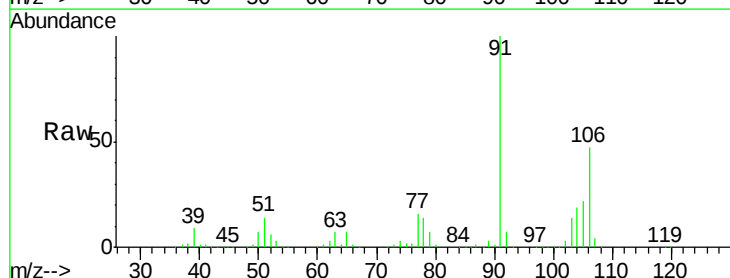
MMDadoda
7/13/2018 11:35:54 AM

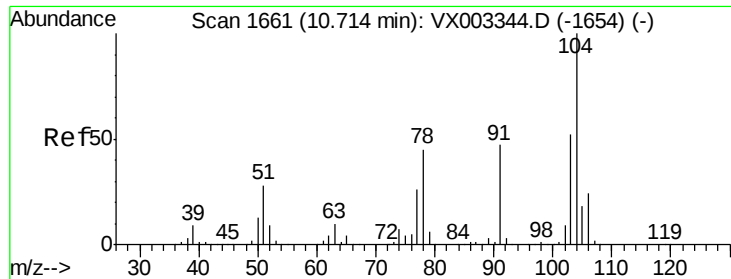
AM



#68
o-Xylene
Concen: 19.544 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion:106 Resp: 132879
Ion Ratio Lower Upper
106 100
91 212.6 109.1 327.3





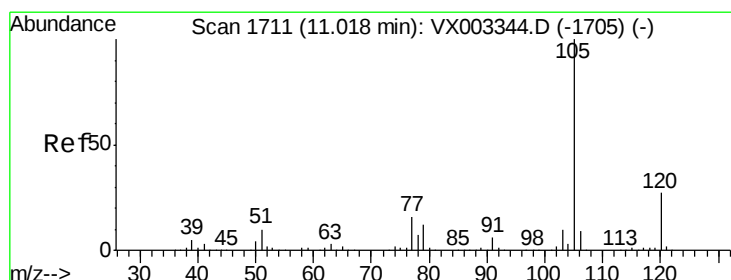
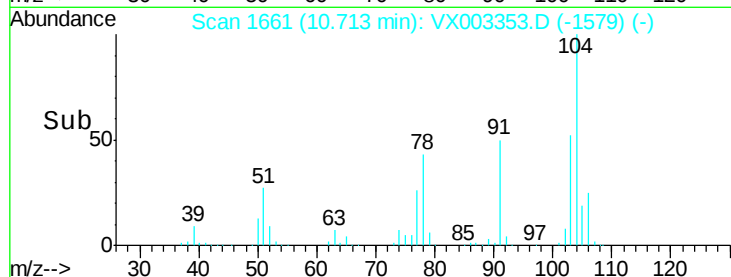
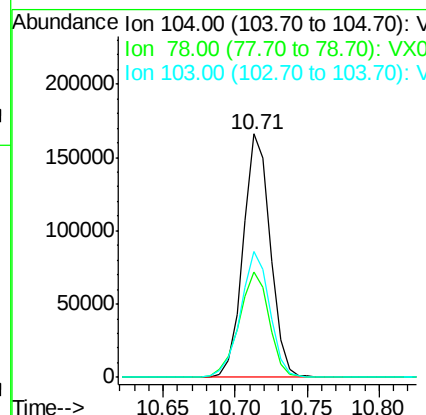
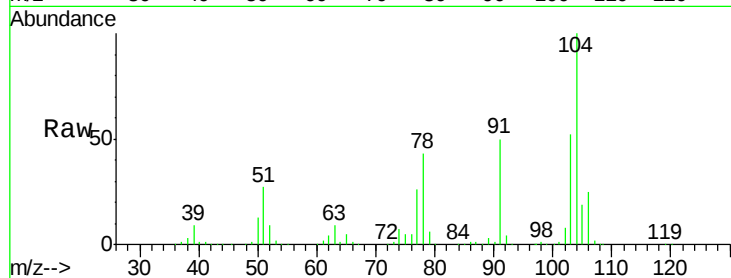
#69
Stvrene
Concen: 19.225 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.1	41.8	62.8
103	55.5	44.9	67.3

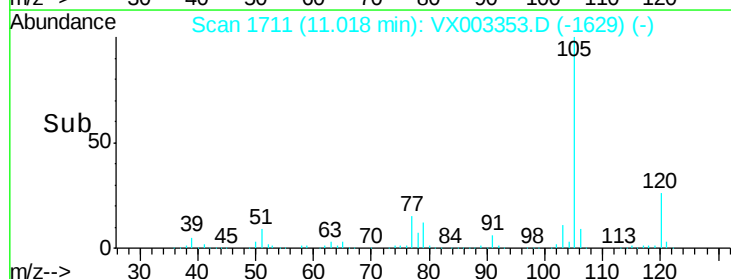
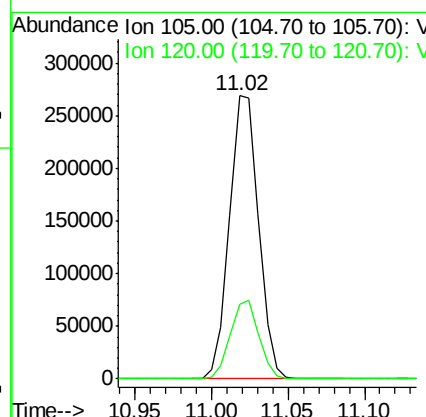
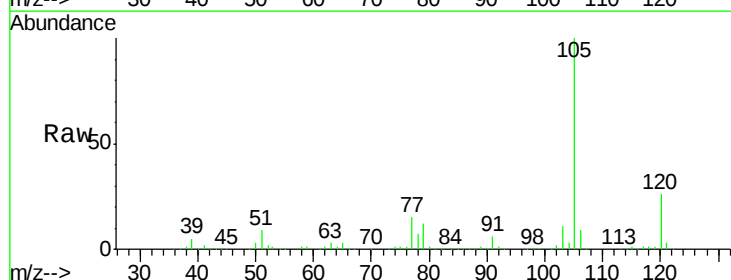
Manual Integrations
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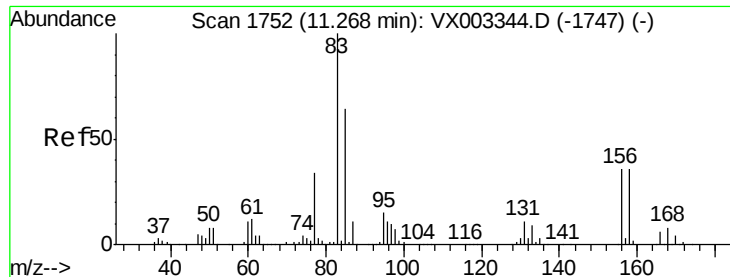
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#70
Isopropylbenzene
Concen: 19.731 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	19.0	35.2





#71

1,1,2,2-Tetrachloroethane

Concen: 19.589 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 83 Resp: 110757

Ion Ratio Lower Upper

83 100

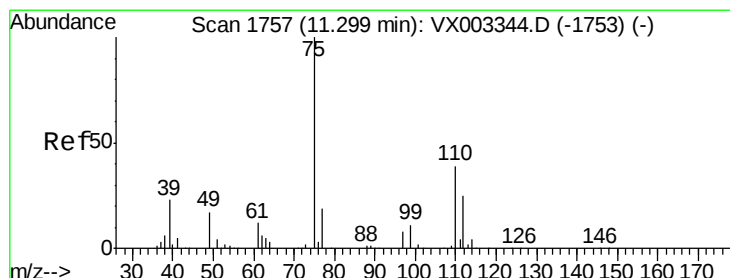
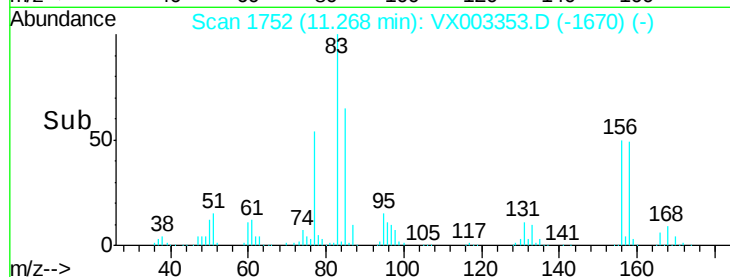
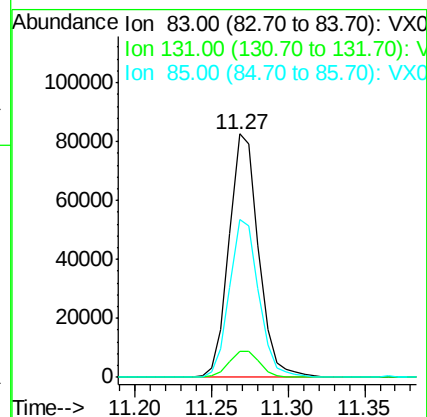
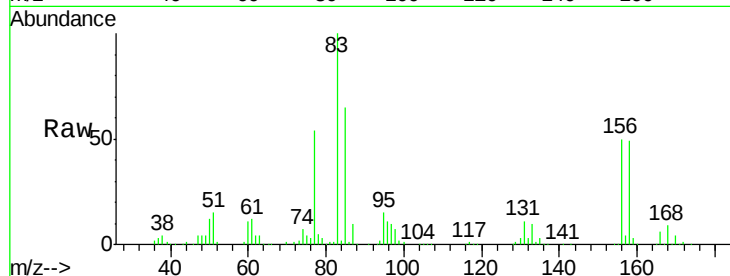
131 11.1 5.4 16.2

85 64.7 32.4 97.2

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#72

1,2,3-Trichloropropane

Concen: 15.004 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003353.D

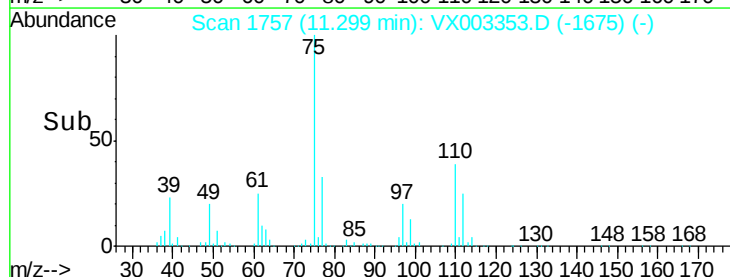
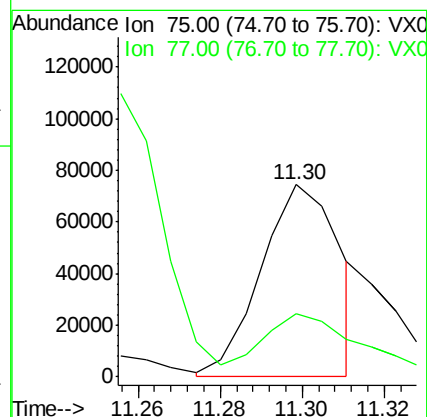
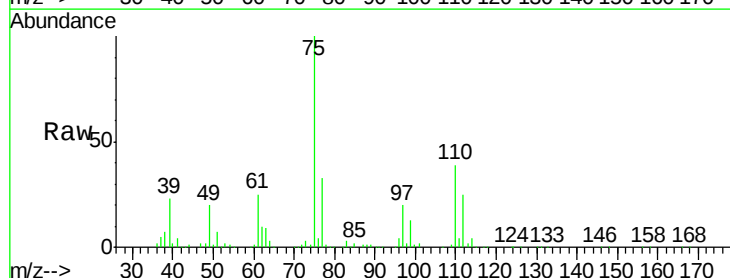
Acq: 12 Jul 2018 16:02

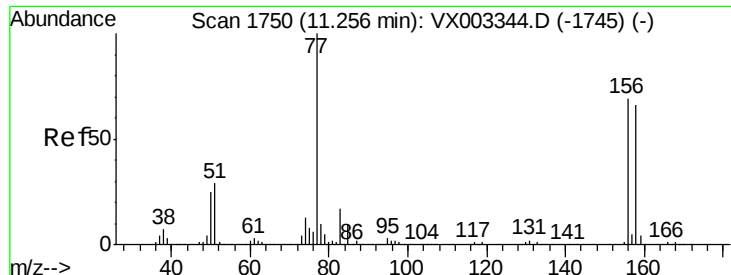
Tgt Ion: 75 Resp: 99219

Ion Ratio Lower Upper

75 100

77 41.4 0.0 71.8





#73

Bromobenzene

Concen: 19.428 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion:156 Resp: 97358

Ion Ratio Lower Upper

156 100

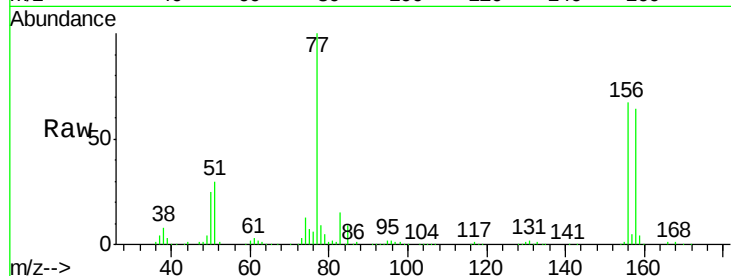
77 141.7 0.0 301.0

158 97.9 0.0 196.2

Manual Integrations
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MMDadoda

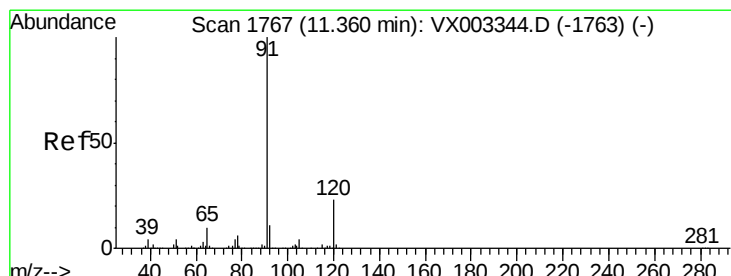
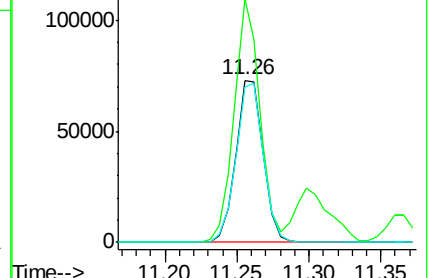
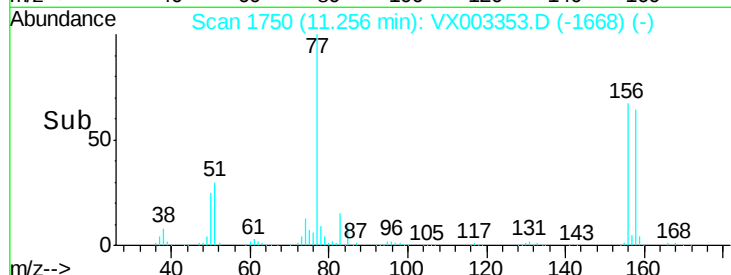
7/13/2018 11:35:54 AM



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



#74

n-propylbenzene

Concen: 19.235 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VX003353.D

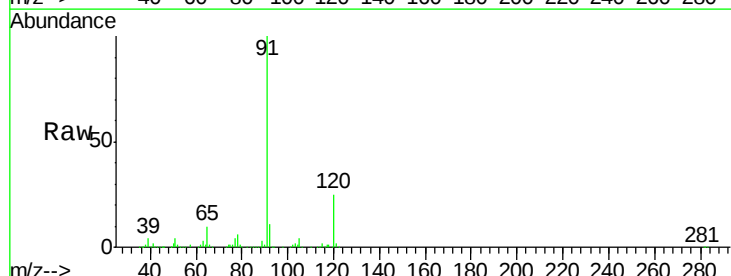
Acq: 12 Jul 2018 16:02

Tgt Ion: 91 Resp: 403870

Ion Ratio Lower Upper

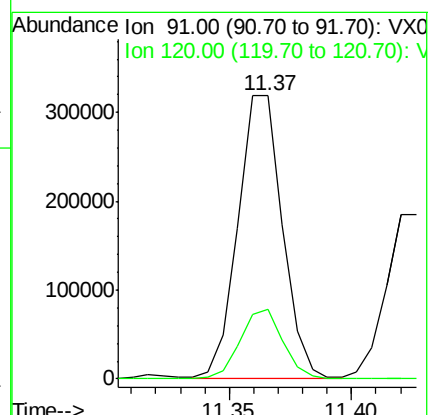
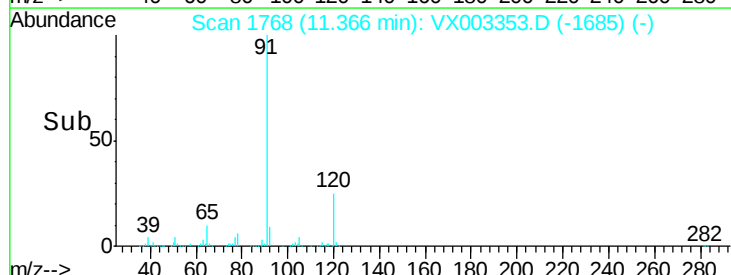
91 100

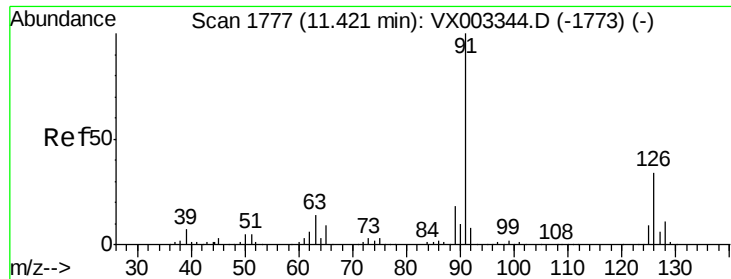
120 23.5 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.440 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.01 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 91 Resp: 244161

Ion Ratio Lower Upper

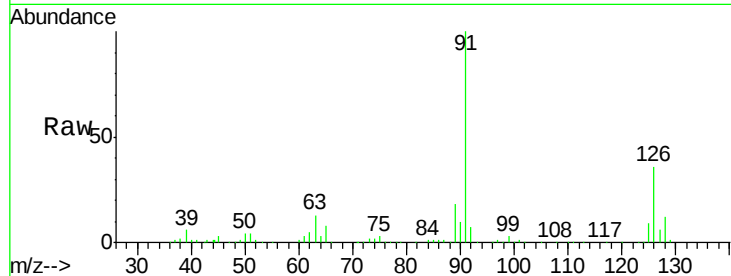
91 100

126 35.0 0.0 69.4

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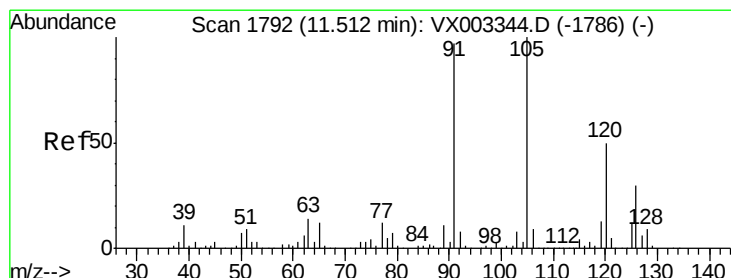
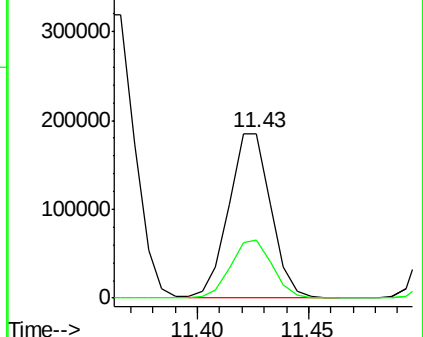
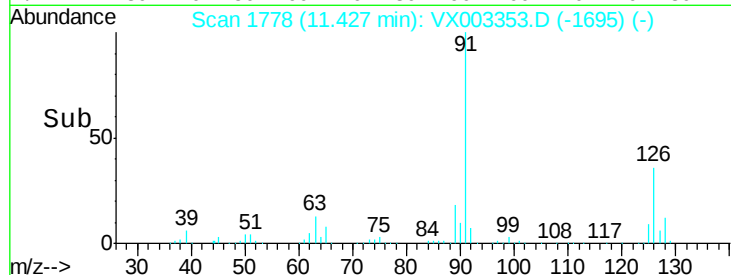
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 19.237 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003353.D

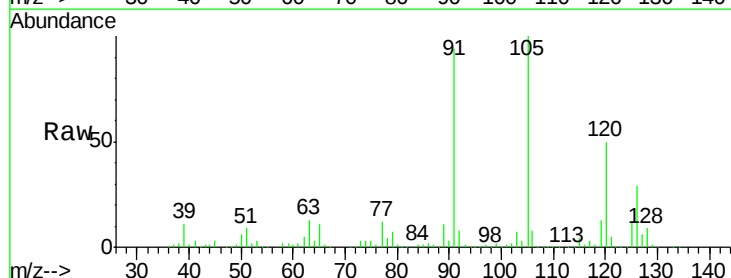
Acq: 12 Jul 2018 16:02

Tgt Ion: 105 Resp: 293460

Ion Ratio Lower Upper

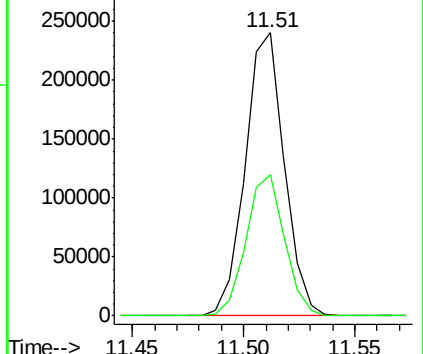
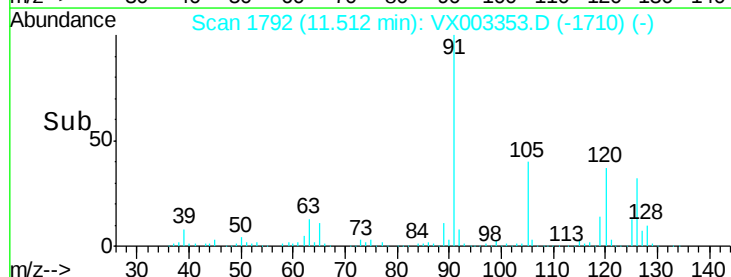
105 100

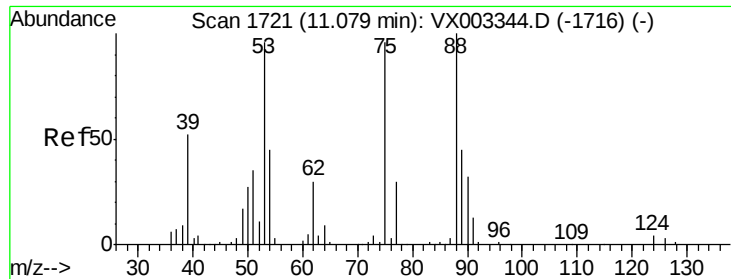
120 49.4 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 17.715 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 75 Resp: 27978

Ion Ratio Lower Upper

75 100

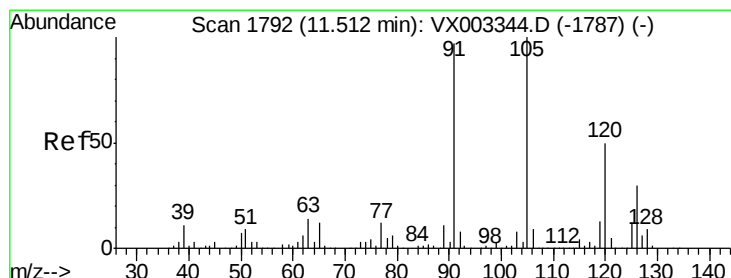
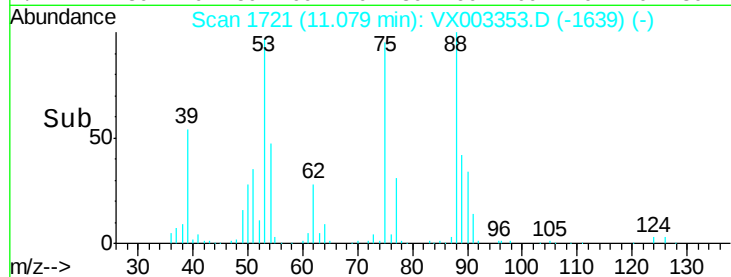
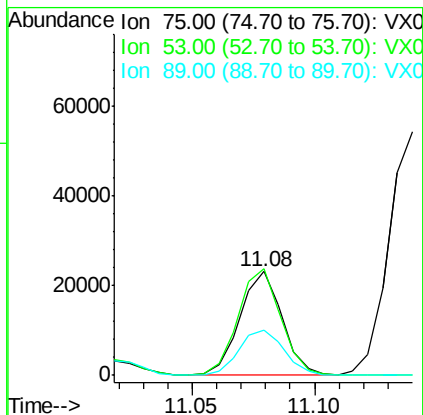
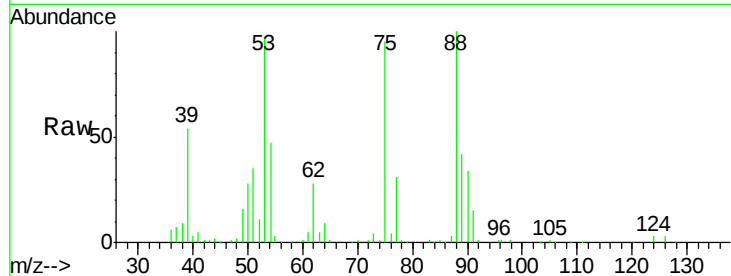
53 101.8 48.3 144.9

89 43.9 21.8 65.4

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#78

4-Chlorotoluene

Concen: 19.076 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003353.D

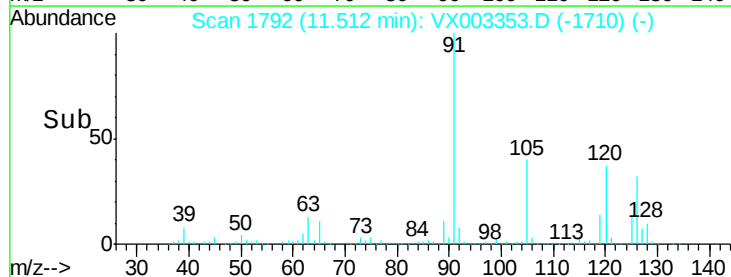
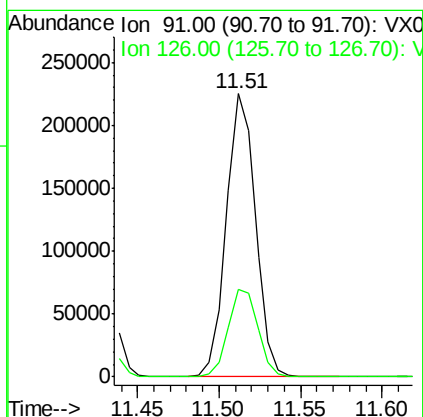
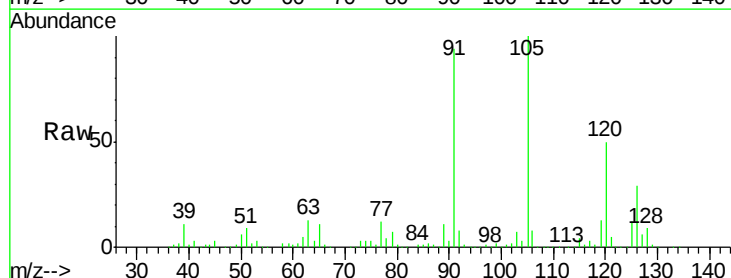
Acq: 12 Jul 2018 16:02

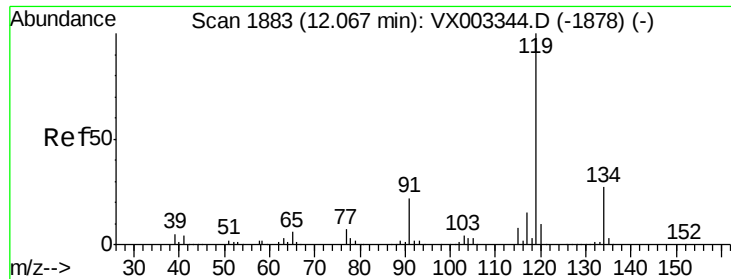
Tgt Ion: 91 Resp: 279876

Ion Ratio Lower Upper

91 100

126 31.6 0.0 61.0





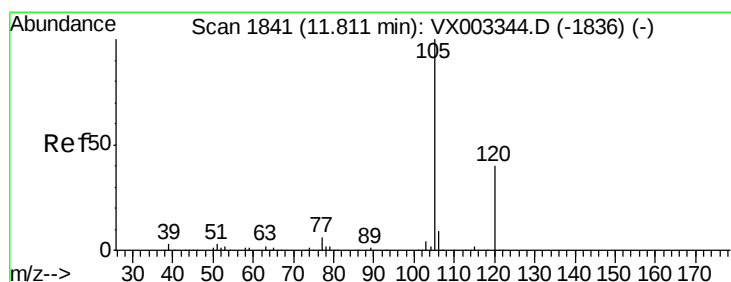
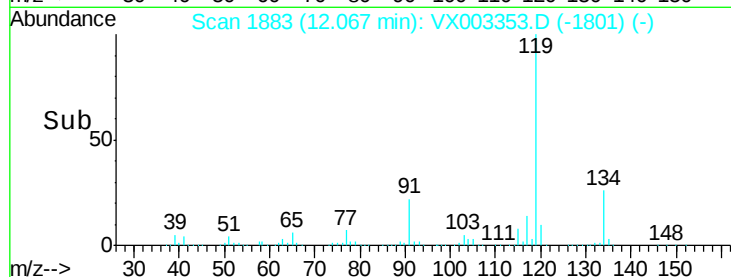
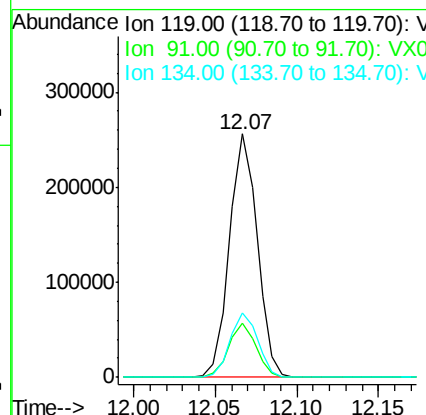
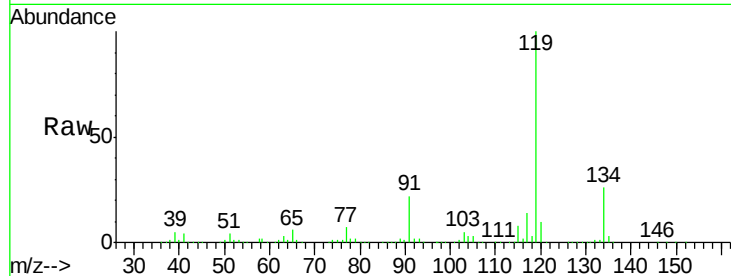
#79
tert-butylbenzene
Concen: 18.826 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	304167		
91	21.9	0.0	48.0	
134	26.4	0.0	52.6	

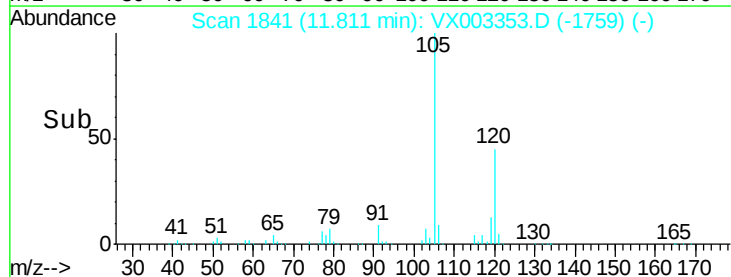
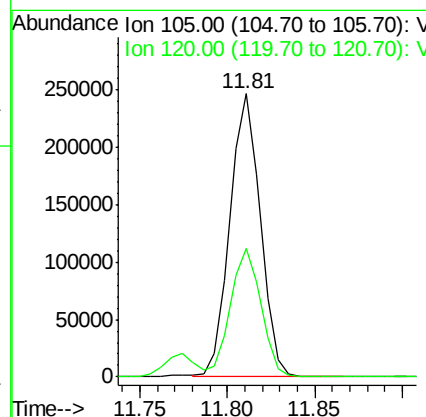
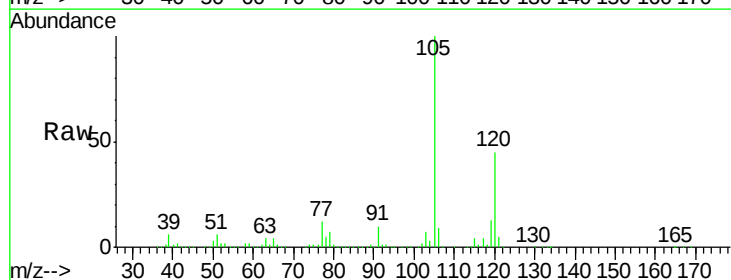
Manual Integrations
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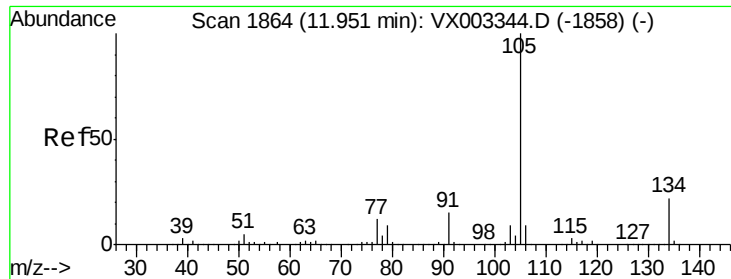
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.223 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	297981		
120	45.6	0.0	89.2	





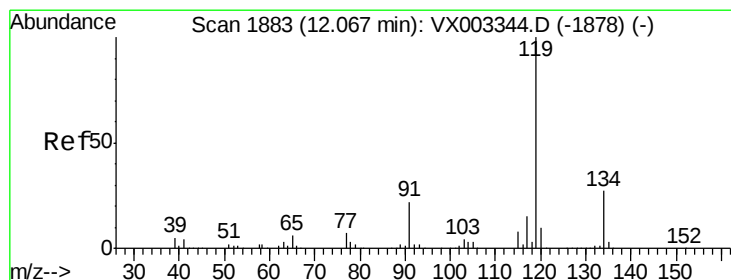
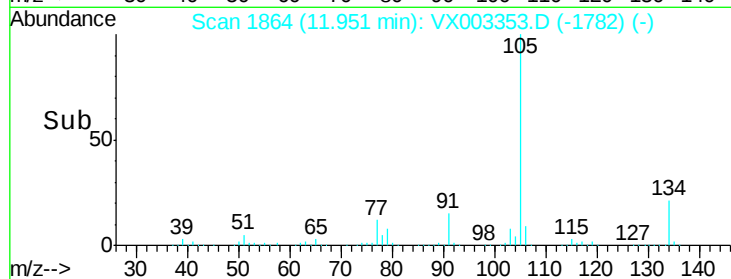
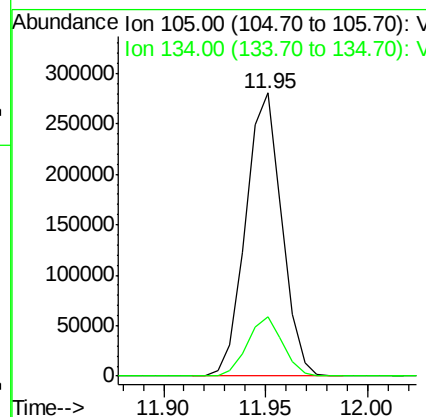
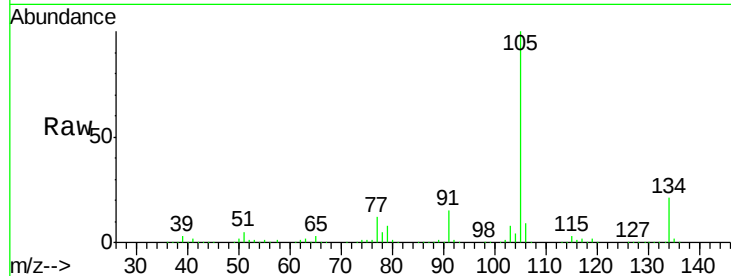
#81
 sec-Butylbenzene
 Concen: 19.030 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	0.0	41.6

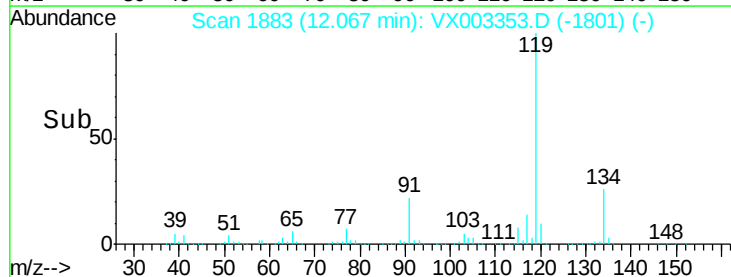
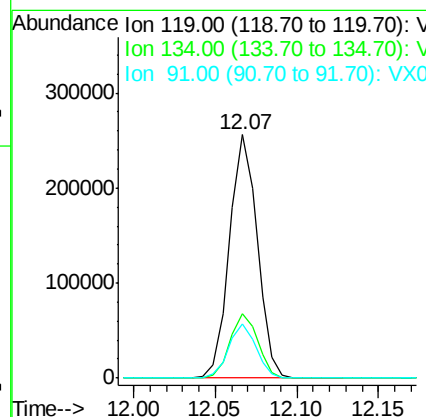
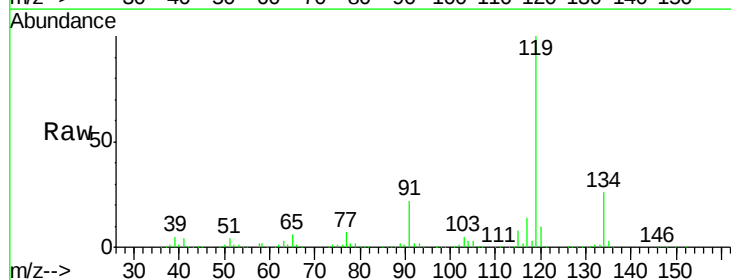
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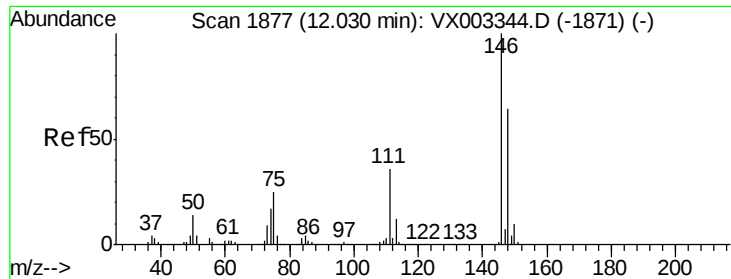
MMDadoda
 7/13/2018 11:35:54 AM



#82
 p-Isopropyltoluene
 Concen: 18.826 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	0.0	52.6
91	21.9	0.0	48.0





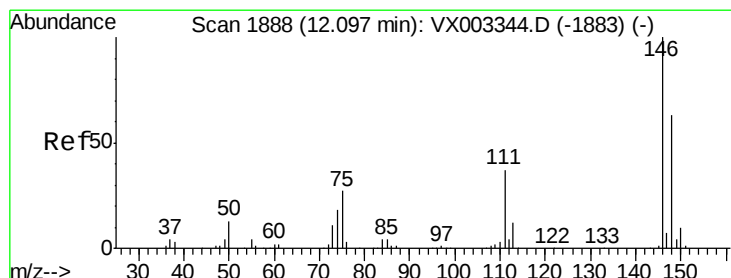
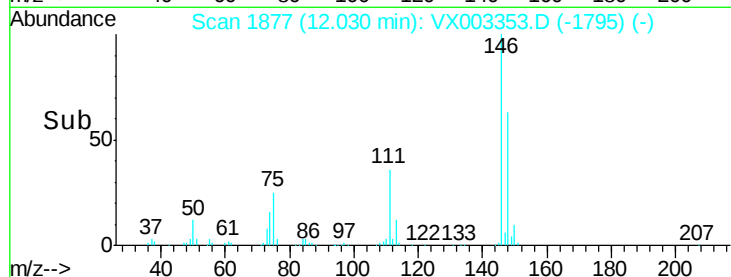
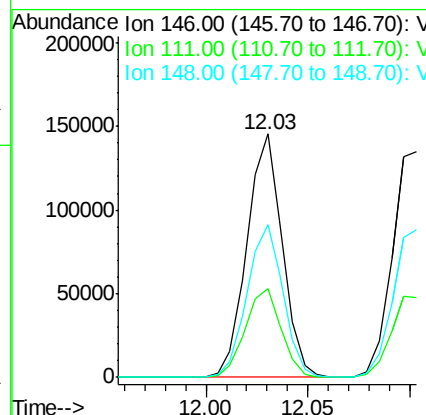
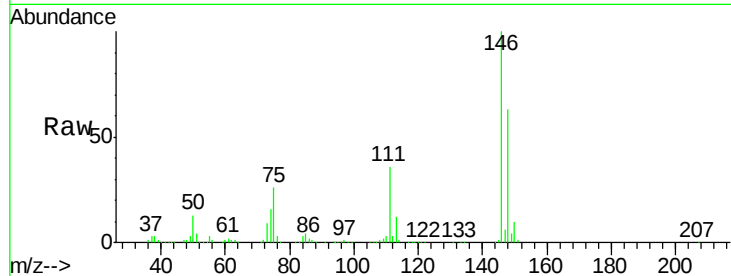
#83
 1,3-Dichlorobenzene
 Concen: 18.924 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.5
148	63.7	31.9	95.7

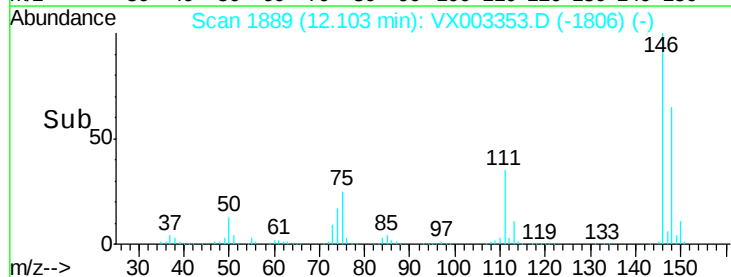
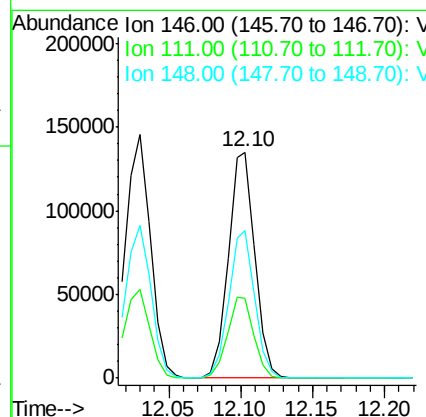
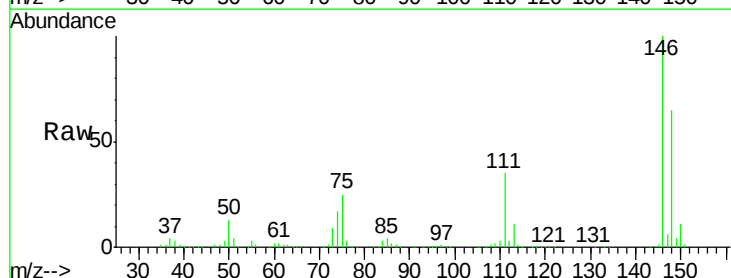
Manual Integrations
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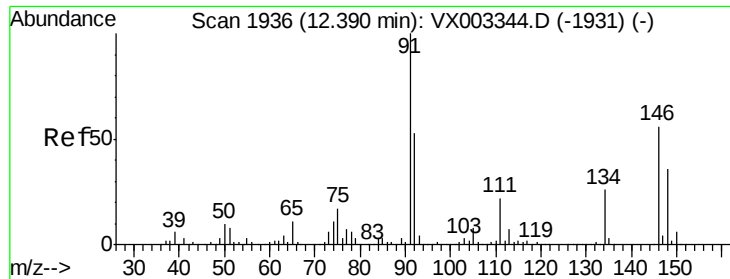
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#84
 1,4-Dichlorobenzene
 Concen: 18.713 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.5	55.5
148	63.5	32.0	96.0





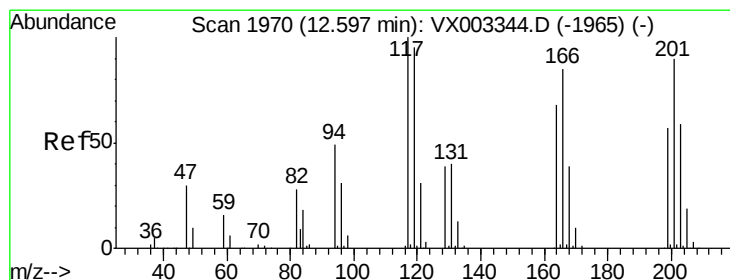
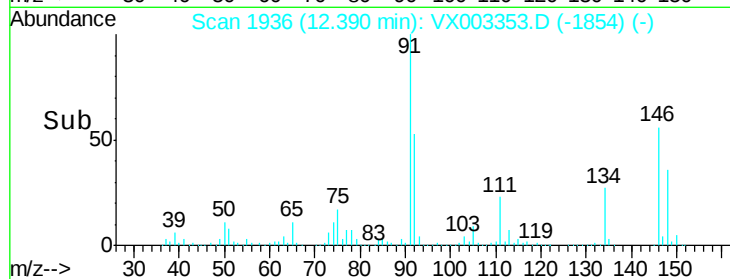
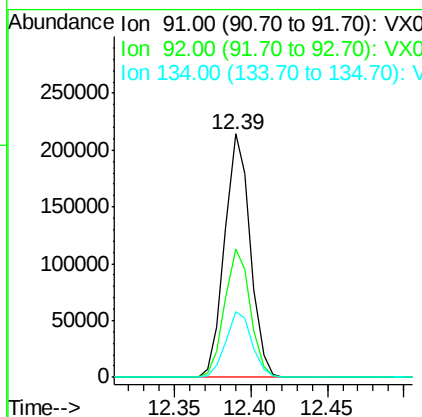
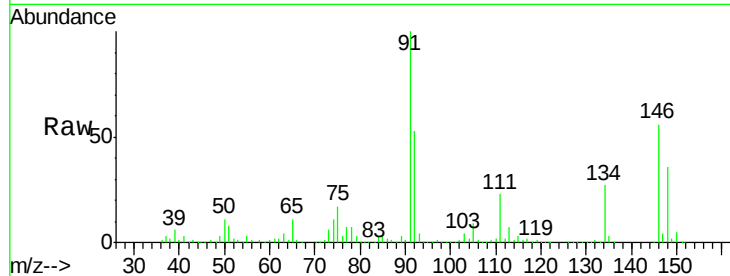
#85
n-Butylbenzene
Concen: 17.501 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	248259		
92	52.8		0.0	105.2
134	27.4		0.0	53.2

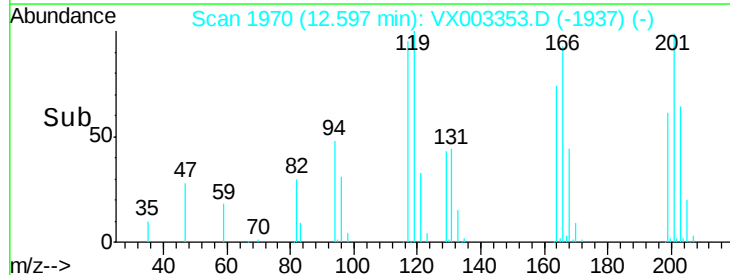
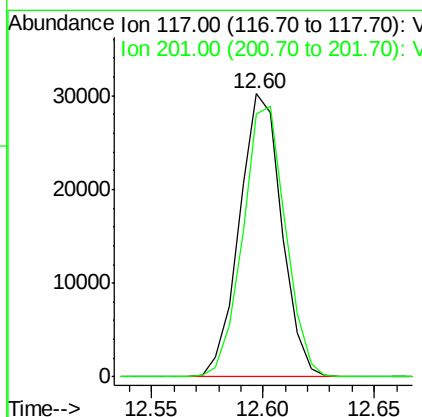
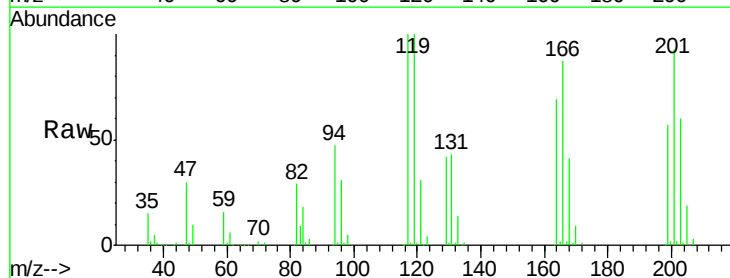
Manual Integrations
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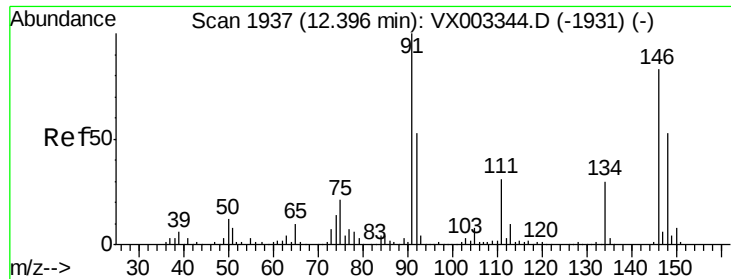
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#86
Hexachloroethane
Concen: 16.828 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40021		
201	96.3		47.6	142.8





#87

1,2-Dichlorobenzene

Concen: 18.916 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Instrument :

MSVOA_X

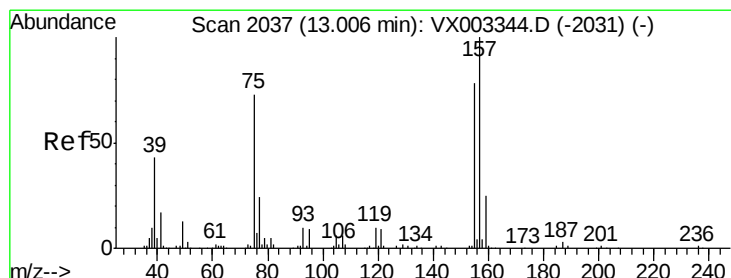
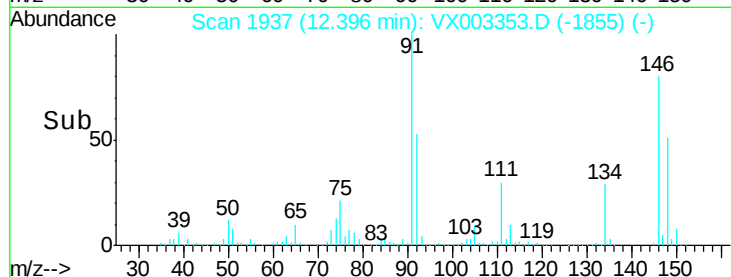
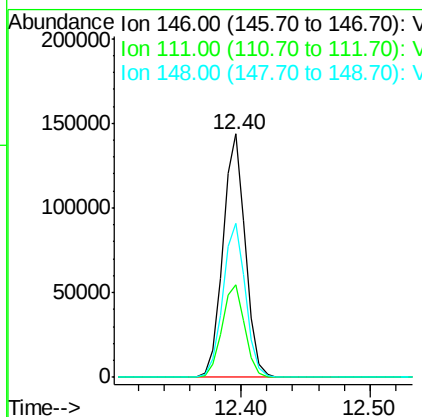
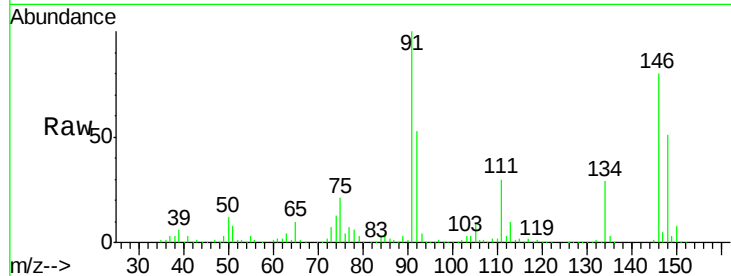
ClientSampleId :

VX0712WBS01

Tot Ion:	146	Resp:	175564
Ion Ratio	Lower	Upper	
146	100		
111	38.8	20.0	59.9
148	64.0	32.8	98.3

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#88

1,2-Dibromo-3-Chloropropane

Concen: 17.728 ug/l

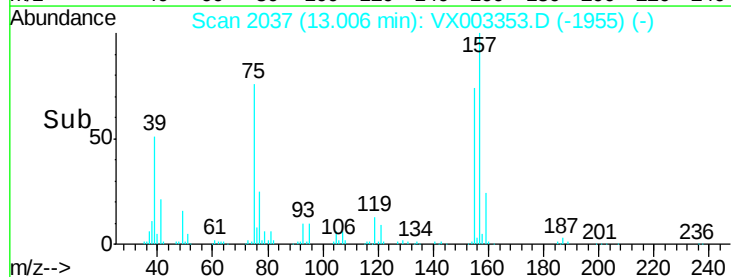
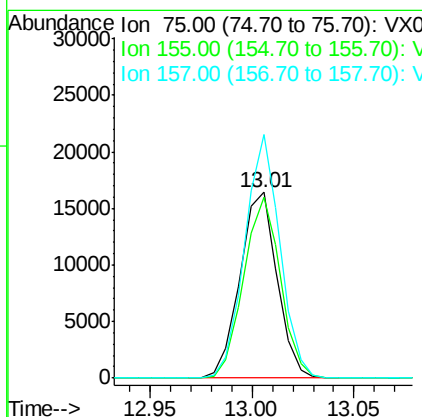
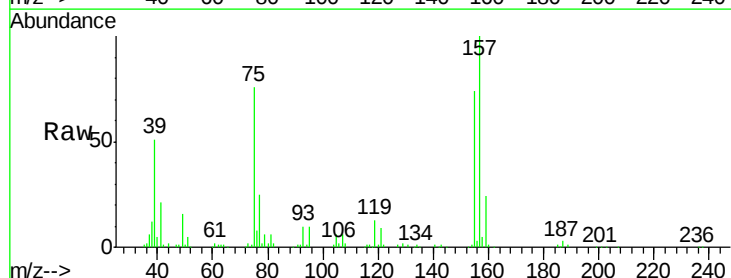
RT: 13.01 min Scan# 2037

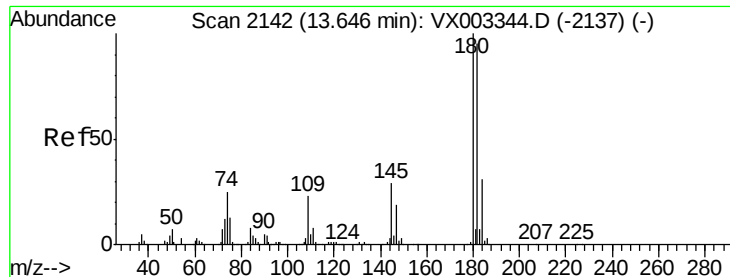
Delta R.T. -0.00 min

Lab File: VX003353.D

Acq: 12 Jul 2018 16:02

Tgt Ion:	75	Resp:	20824
Ion Ratio	Lower	Upper	
75	100		
155	95.9	73.1	109.7
157	123.8	93.1	139.7





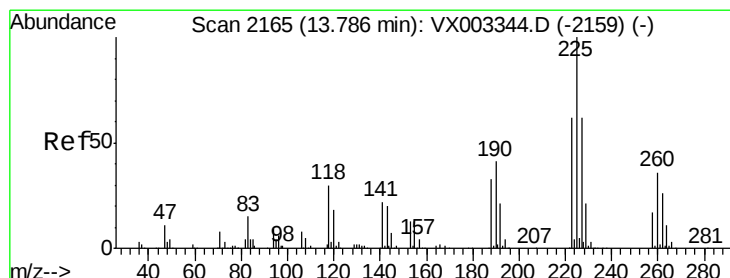
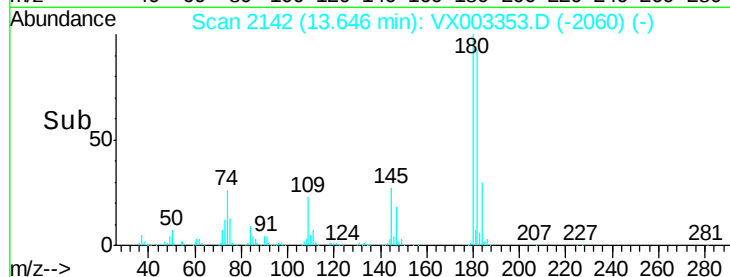
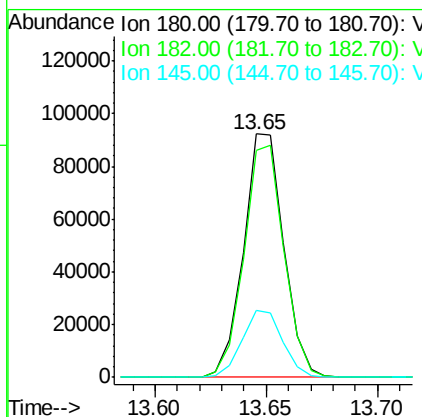
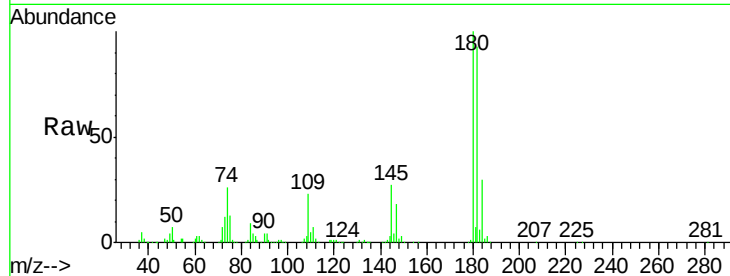
#89
 1,2,4-Trichlorobenzene
 Concen: 17.470 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116411		
182	94.9	76.4	114.6	
145	27.7	22.9	34.3	

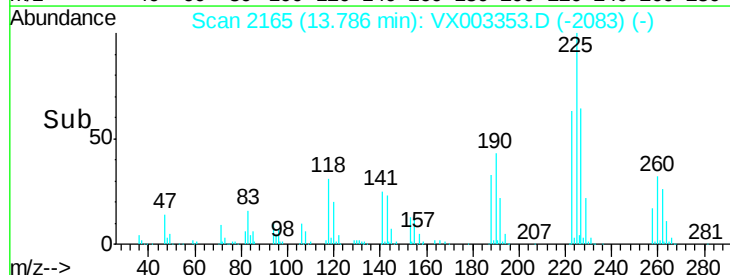
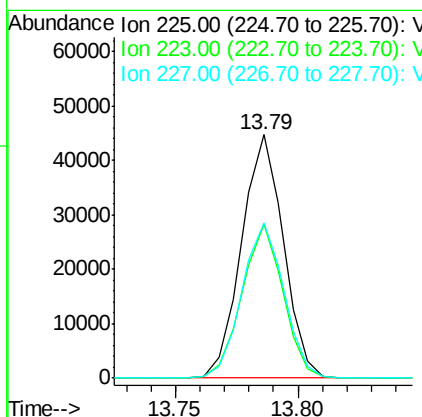
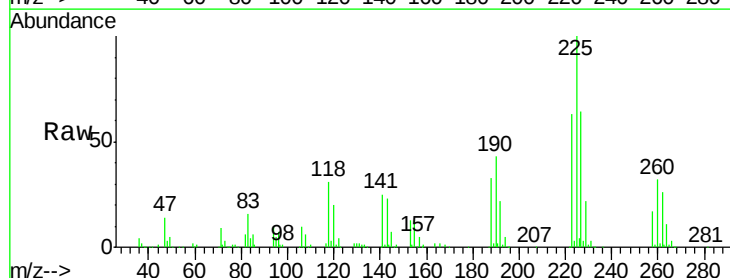
Manual Integrations
 APPROVED

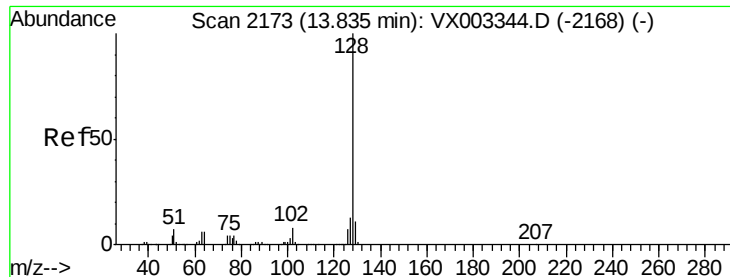
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#90
 Hexachlorobutadiene
 Concen: 16.348 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003353.D
 Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53374		
223	62.0	0.0	122.4	
227	63.8	0.0	128.0	





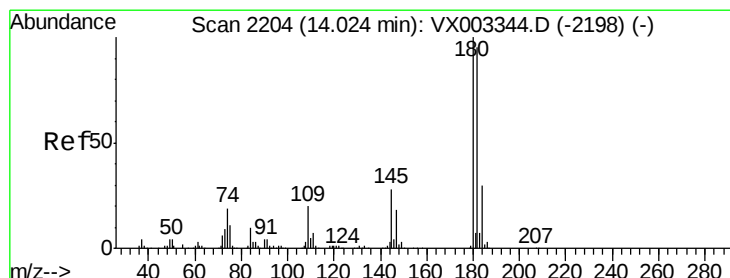
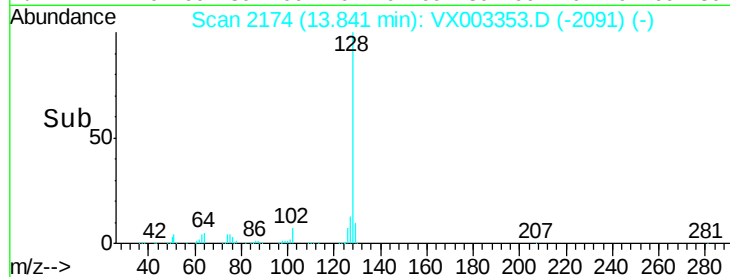
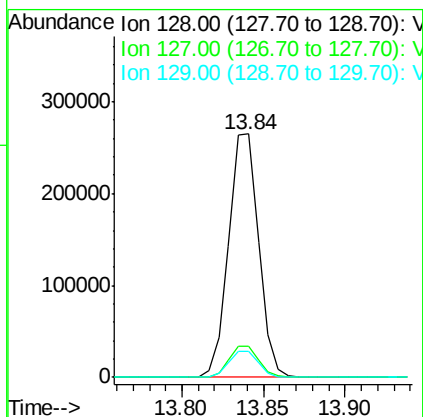
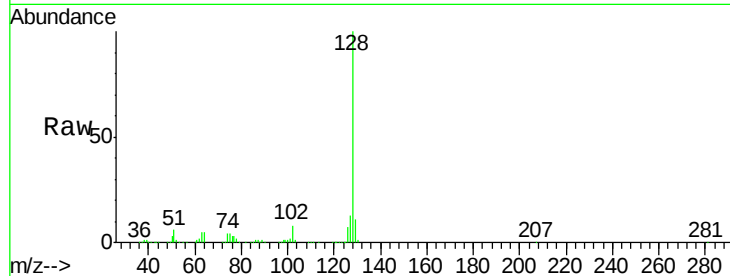
#91
Naphthalene
Concen: 17.722 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.01 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	340563		
127	13.0		10.3	15.5
129	10.8		8.9	13.3

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 17.271 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003353.D
Acq: 12 Jul 2018 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	116674		
182	95.4		0.0	191.0
145	29.8		0.0	60.6

