

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021319\
 Data File : VX007509.D
 Acq On : 13 Feb 2019 03:28
 Operator : JC/SP
 Sample : VX0213WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0213WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 11:53:17 AM

Quant Time: Feb 13 08:11:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	79537	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	407686	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	365124	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	152060	29.55	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.50%
60) 4-Bromofluorobenzene	11.13	95	168288	30.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.10%
63) Toluene-d8	8.71	98	492518	29.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	73558	18.263	ug/l 99
3) Chloromethane	1.33	50	83213	18.799	ug/l 96
4) Vinyl Chloride	1.41	62	91958	18.469	ug/l 98
5) Bromomethane	1.64	94	80207	18.039	ug/l 99
6) Chloroethane	1.73	64	59351	17.536	ug/l 91
7) Trichlorofluoromethane	1.93	101	144451	18.508	ug/l 98
8) Diethyl Ether	2.19	74	57742	18.520	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	78892	17.915	ug/l 100
10) 1,1-Dichloroethene	2.38	96	81530	18.658	ug/l 94
11) Methyl Iodide	2.51	142	105942	16.869	ug/l 97
12) Methyl Acetate	2.78	43	105084	17.438	ug/l 100
13) Acrolein	2.30	56	93982	89.407	ug/l 96
14) Acrylonitrile	3.15	53	248884	89.637	ug/l 97
15) Acetone	2.45	58	71498	94.884	ug/l 93
16) Carbon Disulfide	2.57	76	210439	18.161	ug/l 100
17) Allyl chloride	2.73	41	133628	17.849	ug/l 97
18) Methylene Chloride	2.86	84	91147	18.549	ug/l 96
19) trans-1,2-Dichloroethene	3.17	96	85690	18.335	ug/l 96
20) Diisopropyl ether	3.87	45	263120	18.597	ug/l 95
21) 1,1-Dichloroethane	3.70	63	148961	18.780	ug/l 97
22) cis-1,2-Dichloroethene	4.60	96	98309	18.902	ug/l 98
23) tert-Butyl Alcohol	3.07	59	111311	95.380	ug/l 100
24) Methyl tert-Butyl Ether	3.21	73	275155	18.145	ug/l 99
25) Chloroform	5.21	83	156393	18.668	ug/l 99
26) Cyclohexane	5.57	56	121718	18.300	ug/l # 98
29) 1,1-Dichloropropene	5.80	75	109149	19.194	ug/l 99
30) 2-Butanone	4.70	43	330237	98.127	ug/l 98
31) 2,2-Dichloropropane	4.59	77	79046	17.109	ug/l 98
32) 1,1,1-Trichloroethane	5.50	97	130069	19.136	ug/l 99
33) Carbon Tetrachloride	5.78	117	113152	18.831	ug/l 95
34) Benzene	6.14	78	349072	19.471	ug/l 99
35) Methacrylonitrile	5.06	41	68120	19.468	ug/l 97
36) 1,2-Dichloroethane	6.20	62	118568	19.434	ug/l 98
37) Trichloroethene	7.21	130	98643	19.138	ug/l 94
38) Methylcyclohexane	7.46	83	117855	17.903	ug/l 99
39) 1,2-Dichloropropane	7.52	63	87095	19.532	ug/l 100
40) Dibromomethane	7.66	93	62174	19.306	ug/l 98

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MMDadoda
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	105314	18.427	ug/l	99
42) Vinyl Acetate	3.82	43	1146253	97.307	ug/l	100
43) Ethyl Acetate	4.85	43	128781m	19.982	ug/l	
44) Isopropyl Acetate	6.46	43	188104	18.904	ug/l	98
45) 1,4-Dioxane	7.75	88	46020	391.873	ug/l	97
46) Methyl methacrylate	7.77	41	96240	19.100	ug/l	99
47) n-amyl Acetate	10.90	43	164547	18.761	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	106264	18.011	ug/l	97
49) cis-1,3-Dichloropropene	8.44	75	121855	18.547	ug/l	94
50) 1,1,2-Trichloroethane	9.21	97	91290	19.441	ug/l	97
51) Ethyl methacrylate	9.18	69	127474	18.725	ug/l	97
52) 1,3-Dichloropropane	9.37	76	146313	19.317	ug/l	100
53) Dibromochloromethane	9.58	129	90201	18.468	ug/l	99
54) 1,2-Dibromoethane	9.67	107	99668	19.384	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	339110	97.978	ug/l	100
56) Bromoform	10.86	173	65835	17.871	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	637625	97.088	ug/l	99
59) 2-Hexanone	9.49	43	484880	97.201	ug/l	100
61) Tetrachloroethene	9.34	164	100674	19.423	ug/l	99
62) Toluene	8.78	91	378174	19.018	ug/l	100
64) Chlorobenzene	10.14	112	248180	19.205	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	88641	18.938	ug/l	99
66) Ethyl Benzene	10.25	91	399514	18.933	ug/l	100
67) m/p-Xylenes	10.36	106	312629	37.773	ug/l	99
68) o-Xylene	10.69	106	154298	19.115	ug/l	97
69) Styrene	10.71	104	246273	18.906	ug/l	100
70) Isopropylbenzene	11.02	105	403397	18.942	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	137041	19.467	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	125777m	19.541	ug/l	
73) Bromobenzene	11.26	156	109955	18.911	ug/l	100
74) n-propylbenzene	11.36	91	436790	18.472	ug/l	100
75) 2-Chlorotoluene	11.42	91	268184	18.969	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	325654	18.733	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	30986	16.677	ug/l	97
78) 4-Chlorotoluene	11.51	91	304291	18.856	ug/l	98
79) tert-butylbenzene	12.06	119	339393	18.386	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	332361	18.834	ug/l	99
81) sec-Butylbenzene	11.94	105	378097	18.213	ug/l	99
82) p-Isopropyltoluene	12.06	119	339393	18.386	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	191209	18.707	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	187898	18.422	ug/l	97
85) n-Butylbenzene	12.39	91	266450	17.395	ug/l	100
86) Hexachloroethane	12.60	117	54307	17.720	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	194196	18.929	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	27449	18.684	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	120507	17.885	ug/l	98
90) Hexachlorobutadiene	13.78	225	55421	17.604	ug/l	99
91) Naphthalene	13.83	128	402323	18.722	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	126516	18.471	ug/l	99

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Instrument :
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ClientSampleId :
VX0213WBSD01

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QLast Update : Wed Feb 13 07:51:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

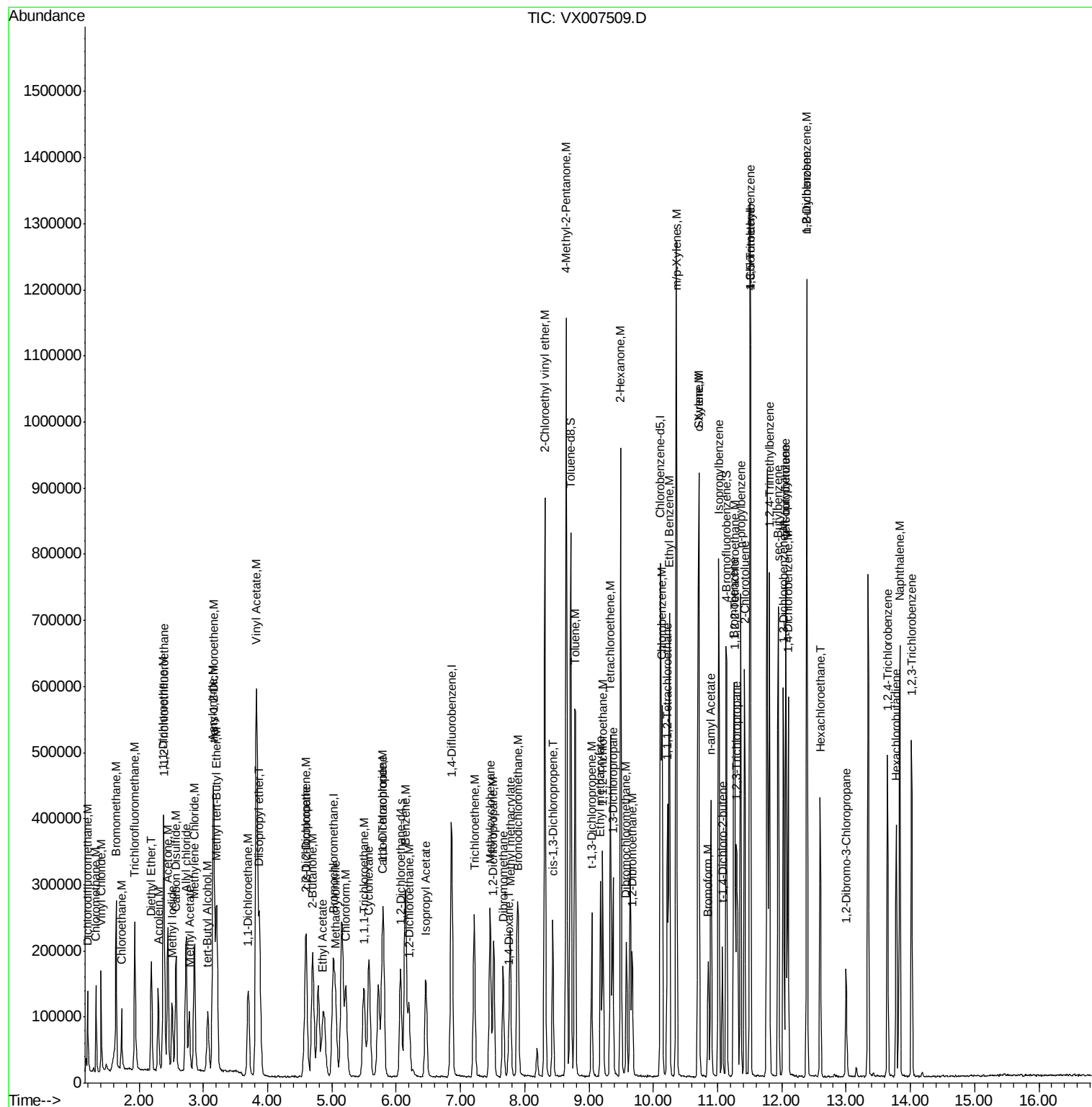
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021319\
 Data File : VX007509.D
 Acq On : 13 Feb 2019 03:28
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 Sample : VX0213WBSD01
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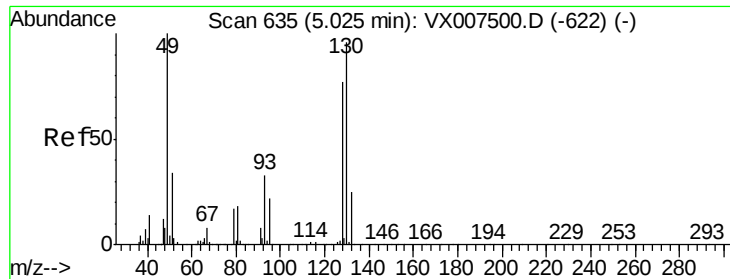
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0213WBSD01

Manual Integrations
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MMDadoda
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Quant Time: Feb 13 08:11:29 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.01 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

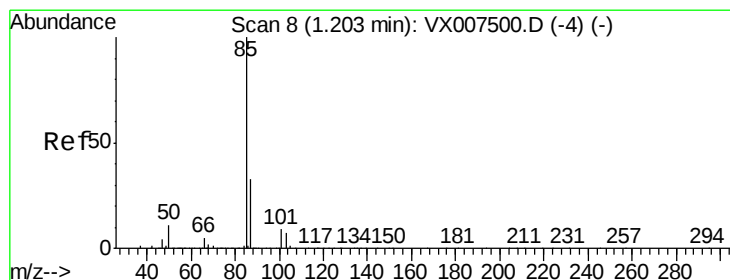
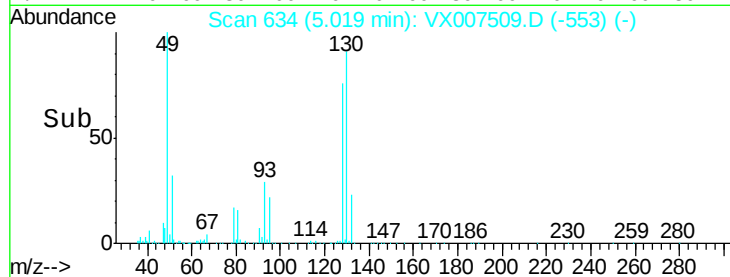
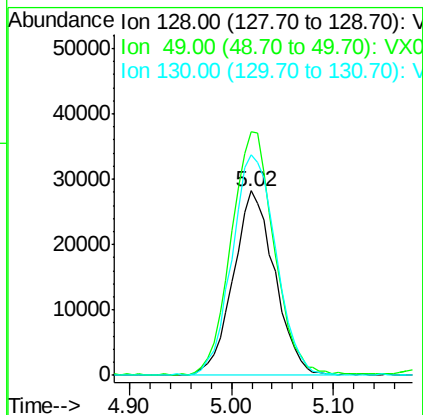
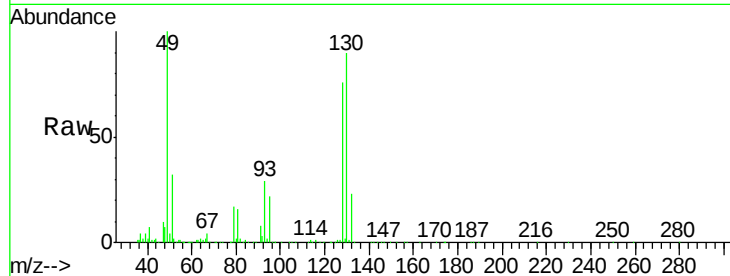
ClientSampleId :

VX0213WBSD01

Tot Ion:	128	Resp:	79537
Ion	Ratio	Lower	Upper
128	100		
49	135.7	0.0	350.8
130	127.2	0.0	325.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 18.263 ug/l

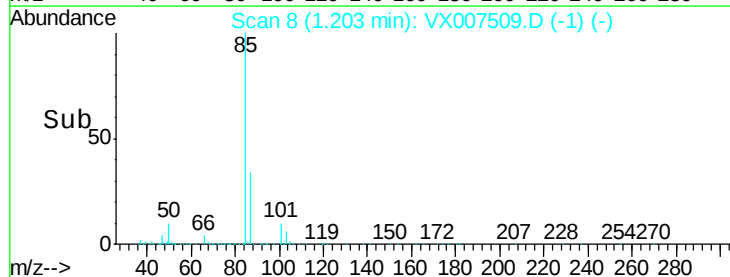
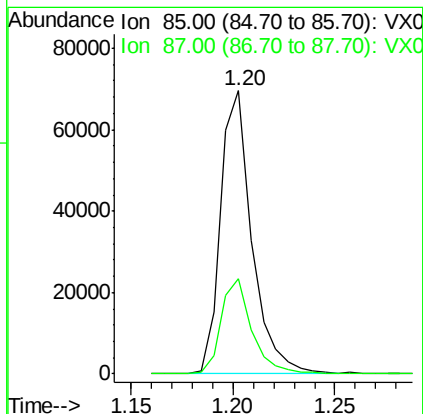
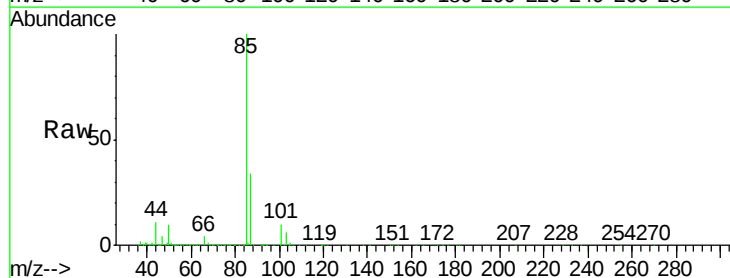
RT: 1.20 min Scan# 8

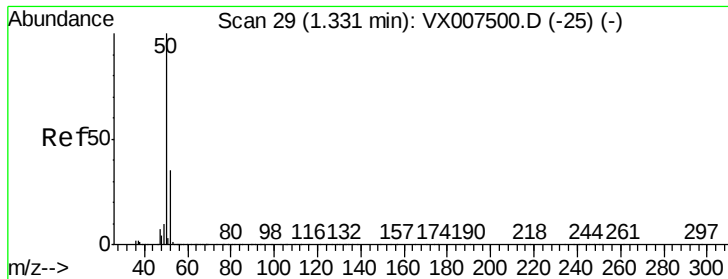
Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Tgt Ion:	85	Resp:	73558
Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.6	49.8





#3

Chloromethane

Concen: 18.799 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

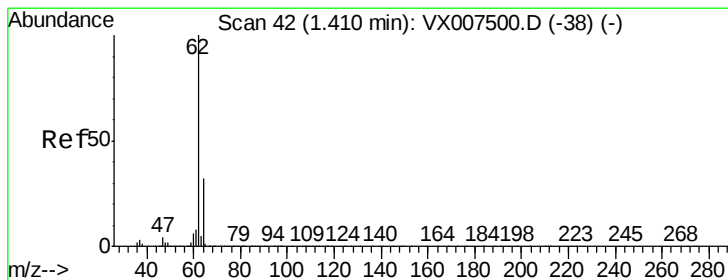
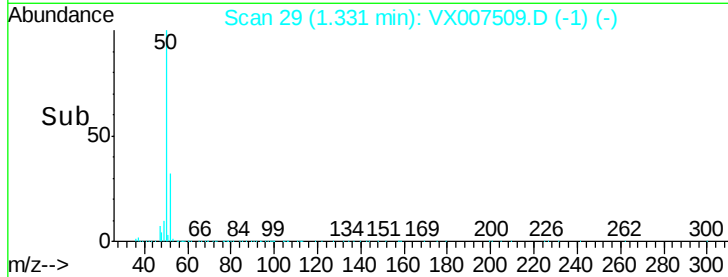
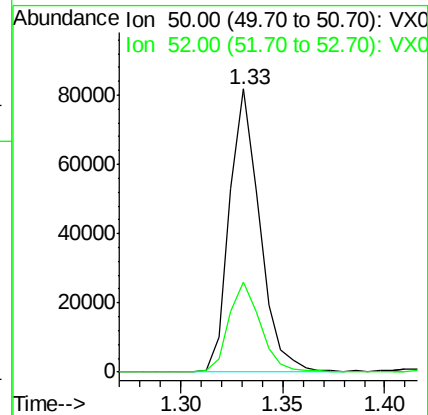
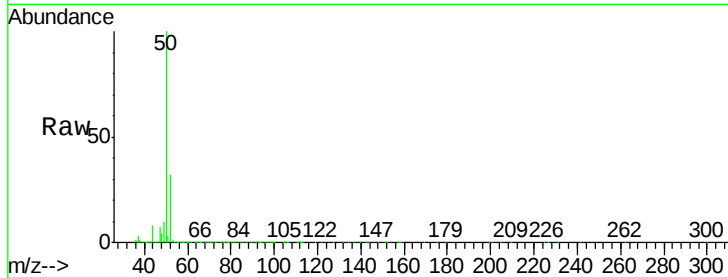
ClientSampleId :

VX0213WBSD01

Tot Ion	50	Resp	83213
Ion Ratio	Lower	Upper	
50	100		
52	31.9	27.5	41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.469 ug/l

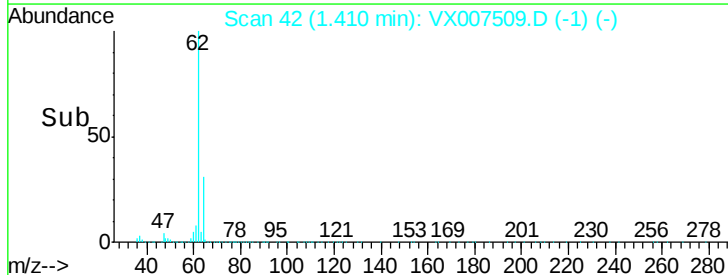
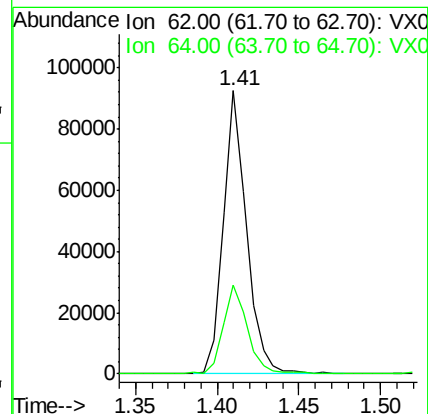
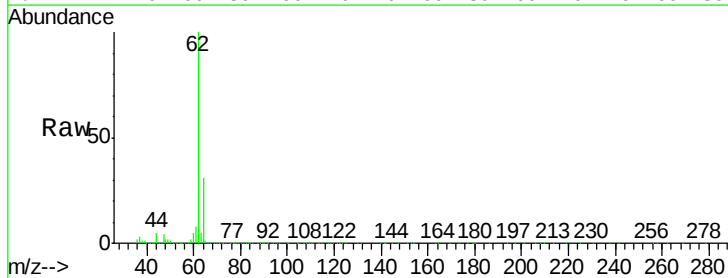
RT: 1.41 min Scan# 42

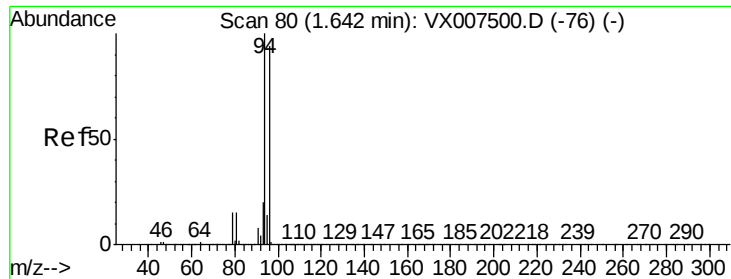
Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Tgt Ion	62	Resp	91958
Ion Ratio	Lower	Upper	
62	100		
64	31.0	25.9	38.9





#5

Bromomethane

Concen: 18.039 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

ClientSampleId :

VX0213WBSD01

Tot Ion: 94 Resp: 80207

Ion Ratio Lower Upper

94 100

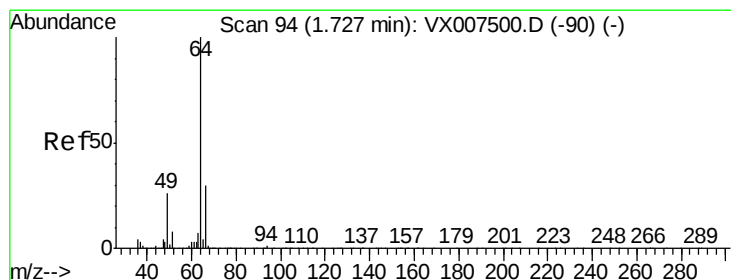
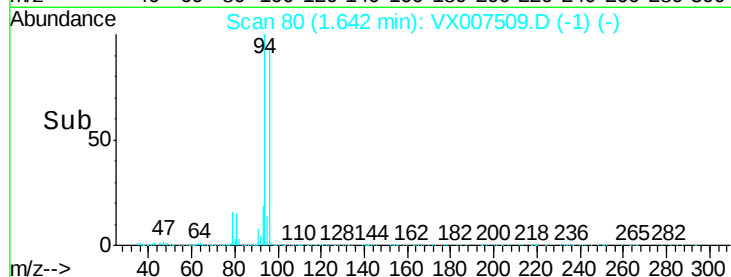
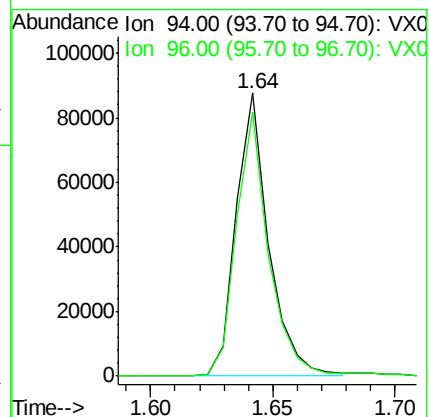
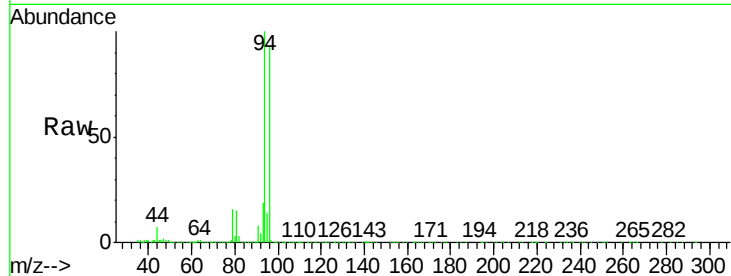
96 93.5 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 17.536 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.00 min

Lab File: VX007509.D

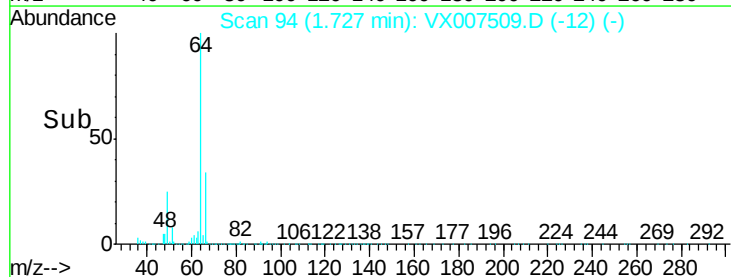
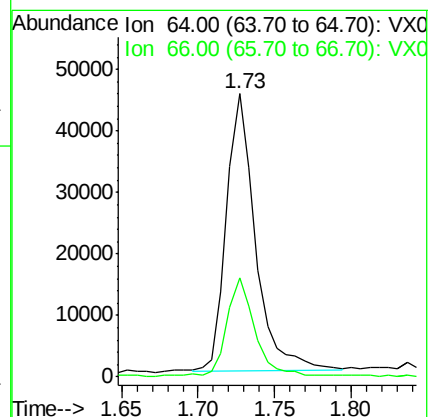
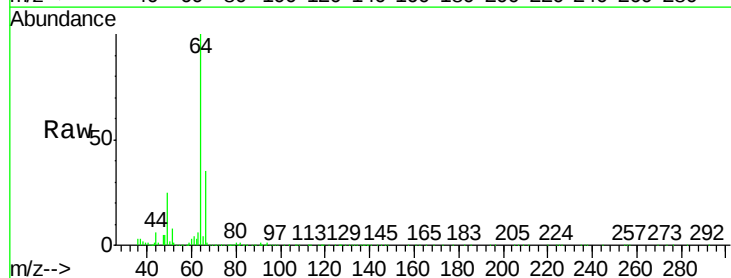
Acq: 13 Feb 2019 03:28

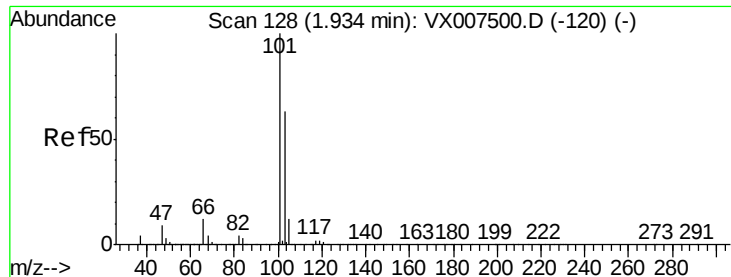
Tgt Ion: 64 Resp: 59351

Ion Ratio Lower Upper

64 100

66 34.9 23.9 35.9





#7

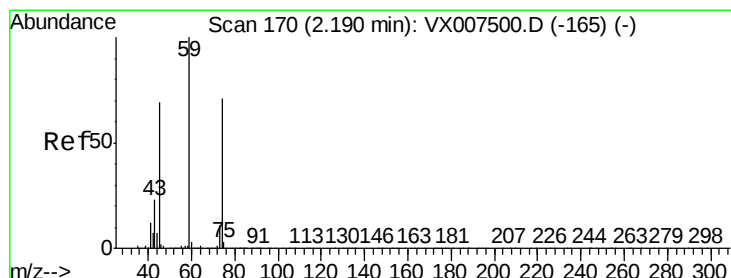
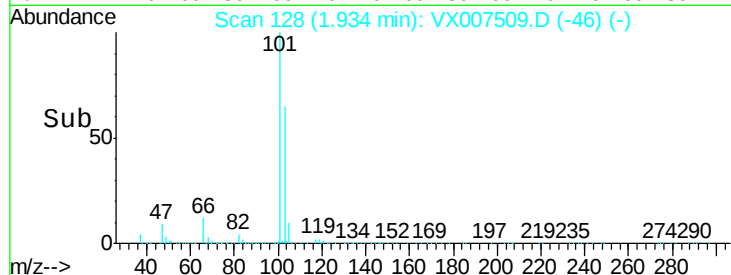
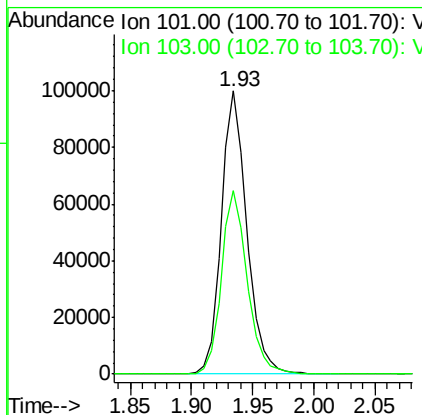
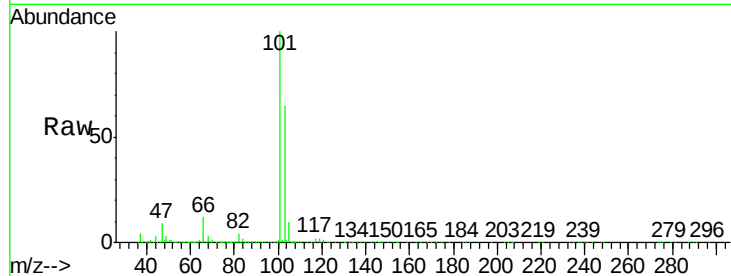
Trichlorofluoromethane
Concen: 18.508 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.4	75.6

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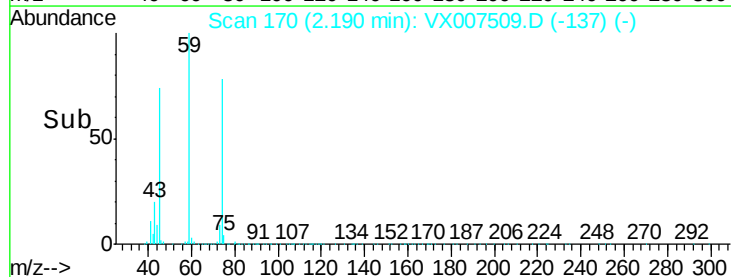
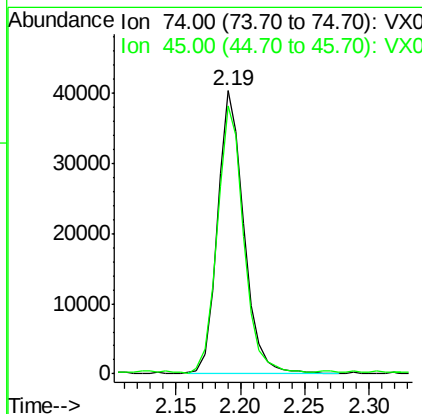
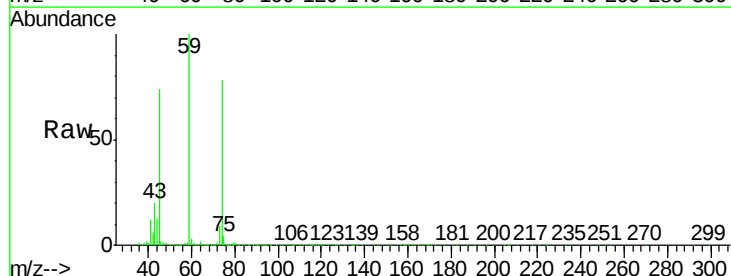
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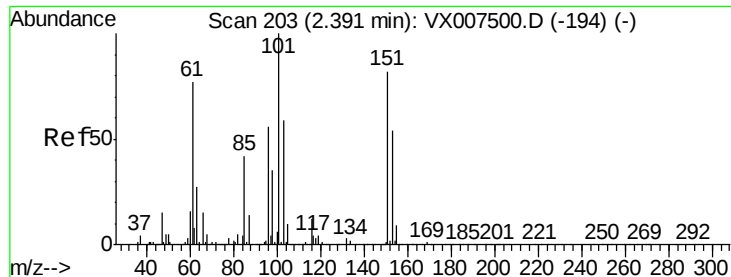


#8

Diethyl Ether
Concen: 18.520 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.915 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

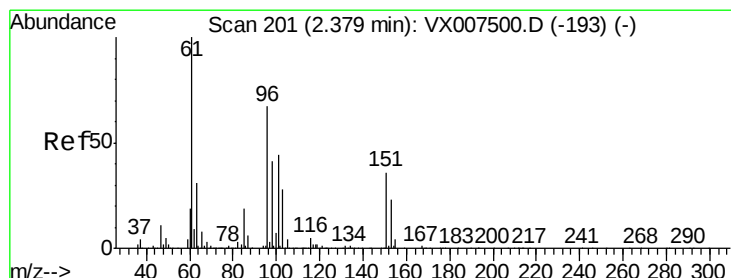
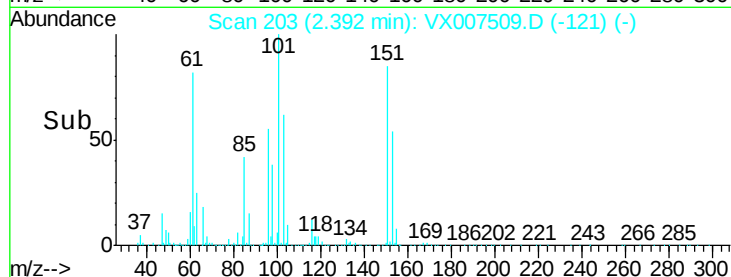
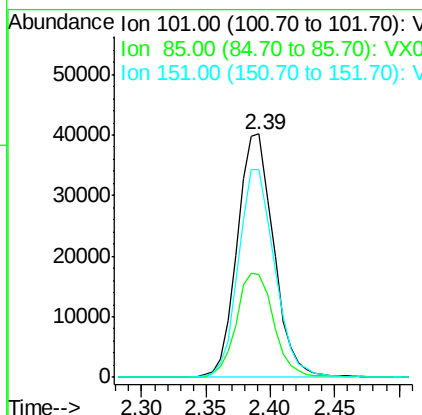
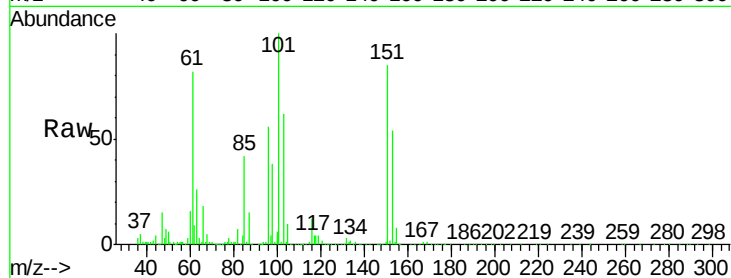
ClientSampleId :

VX0213WBSD01

Tot Ion:	101	Resp:	78892
Ion Ratio	Lower	Upper	
101	100		
85	43.6	0.0	86.8
151	85.0	0.0	169.2

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2/13/2019 11:53:17 AM



#10

1,1-Dichloroethene

Concen: 18.658 ug/l

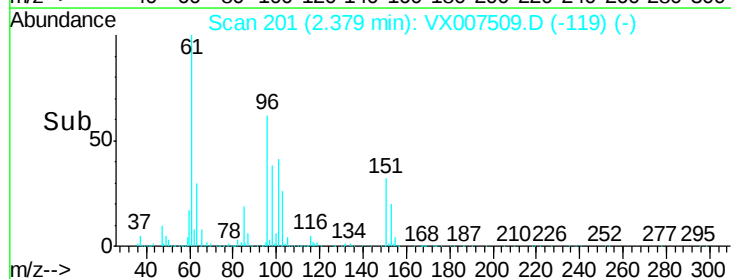
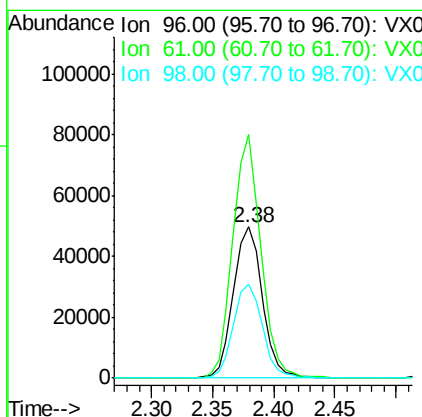
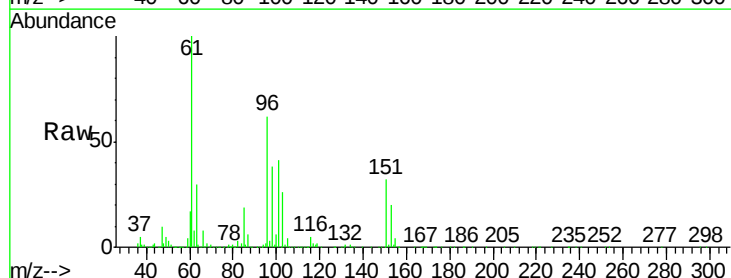
RT: 2.38 min Scan# 201

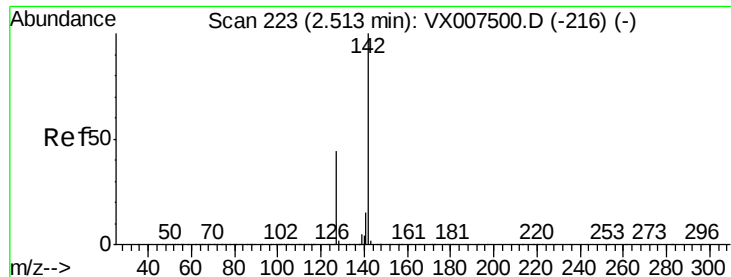
Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Tgt Ion:	96	Resp:	81530
Ion Ratio	Lower	Upper	
96	100		
61	160.8	120.2	180.2
98	62.1	49.0	73.4





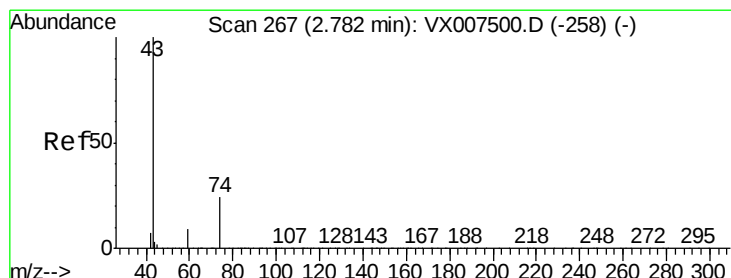
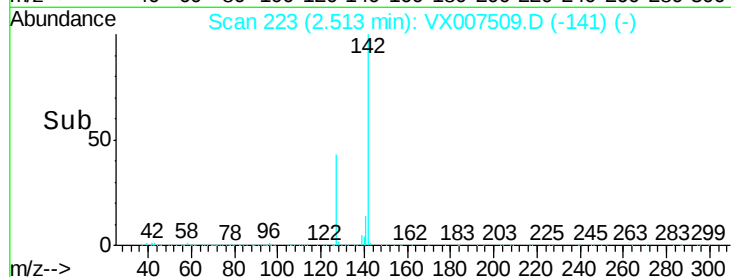
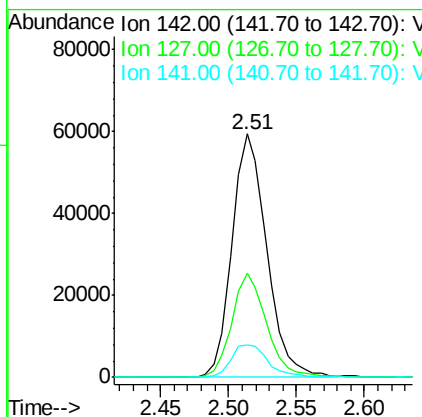
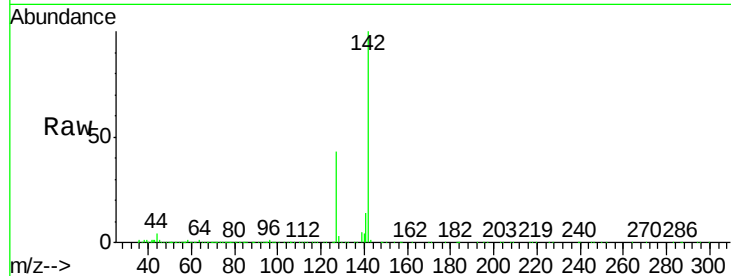
#11
Methvl Iodide
Concen: 16.869 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Instrument :
MSVOA_X
ClientSampleId :
VX0213WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.5	22.1	66.5
141	13.3	7.4	22.3

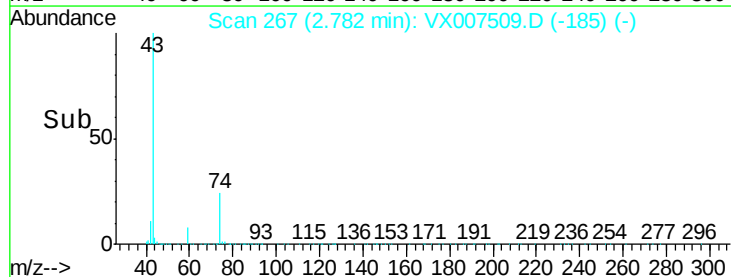
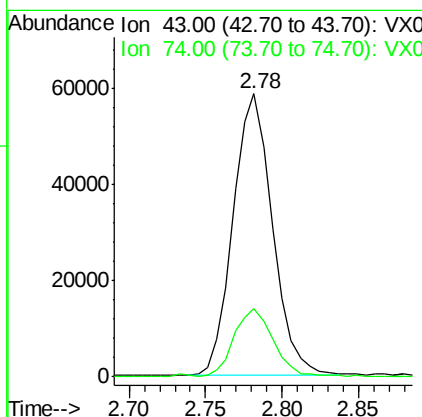
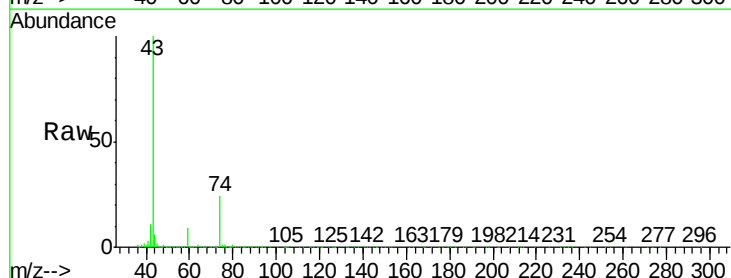
Manual Integrations
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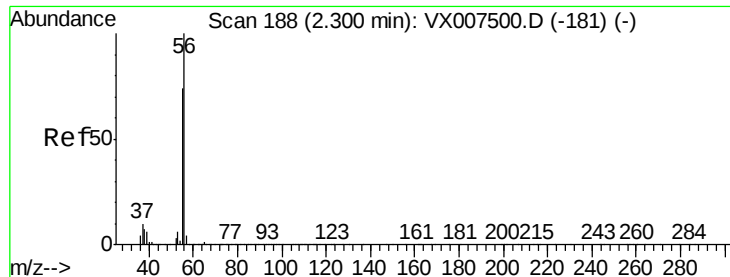
MMDadoda
2/13/2019 11:53:17 AM



#12
Methyl Acetate
Concen: 17.438 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.4	29.0





#13

Acrolein

Concen: 89.407 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

ClientSampleId :

VX0213WBSD01

Tot Ion: 56 Resp: 93982

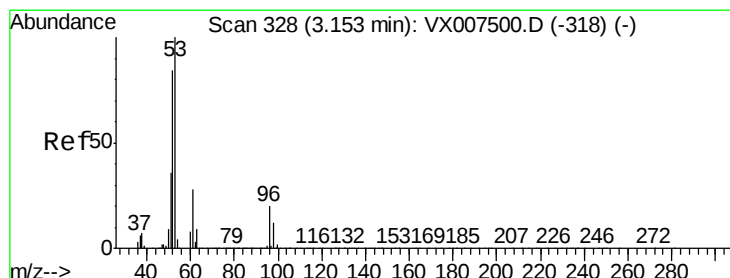
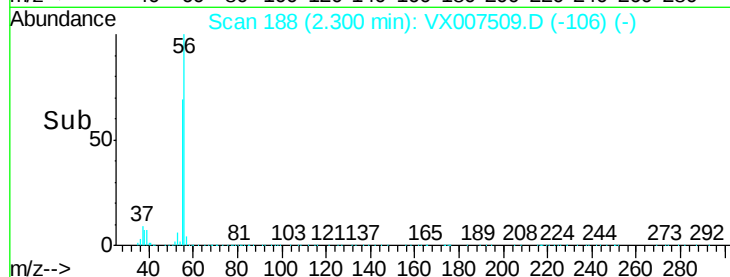
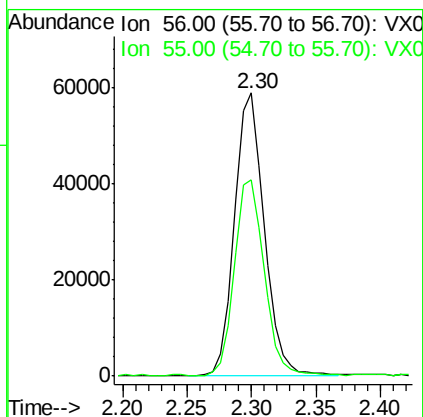
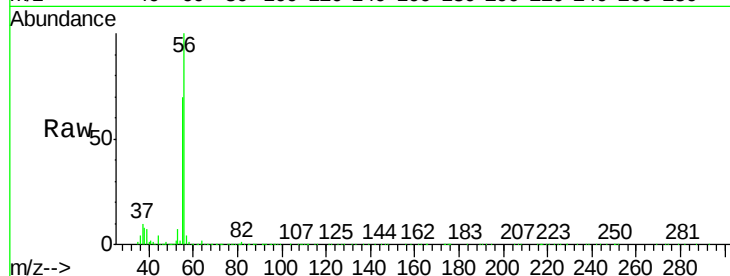
Ion Ratio Lower Upper

56 100

55 69.6 58.6 87.8

Manual Integrations
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MMDadoda
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#14

Acrylonitrile

Concen: 89.637 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

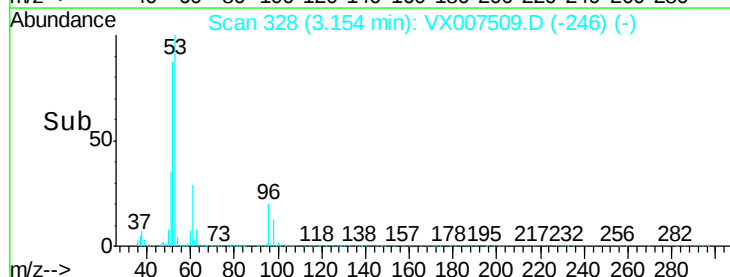
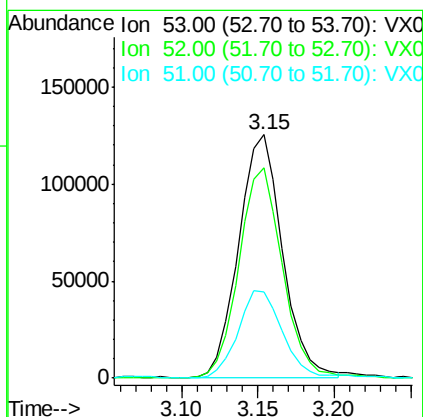
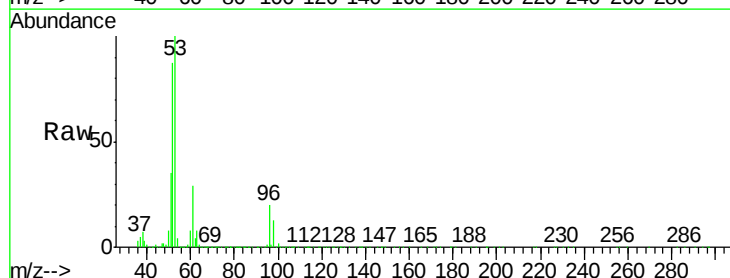
Tgt Ion: 53 Resp: 248884

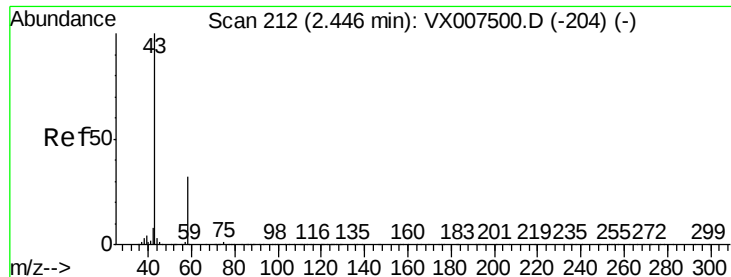
Ion Ratio Lower Upper

53 100

52 85.9 41.3 124.1

51 36.9 17.5 52.6





#15

Acetone

Concen: 94.884 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

ClientSampleId :

VX0213WBSD01

Tot Ion: 58 Resp: 71498

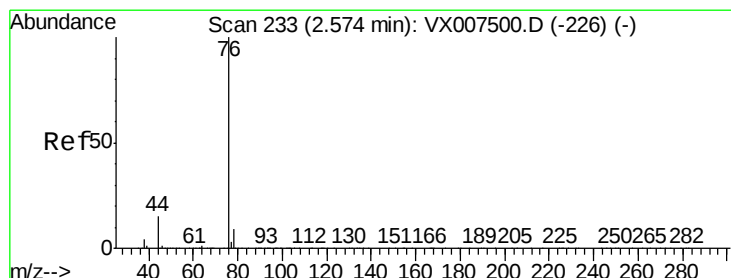
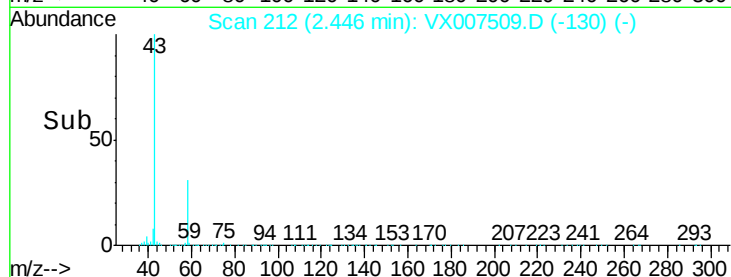
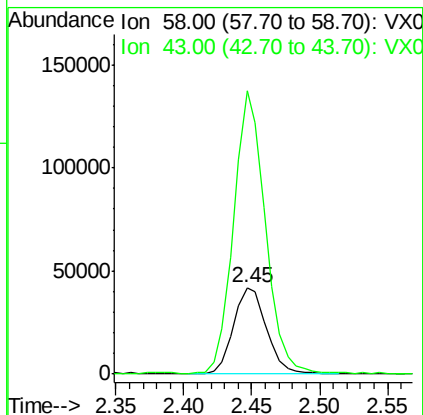
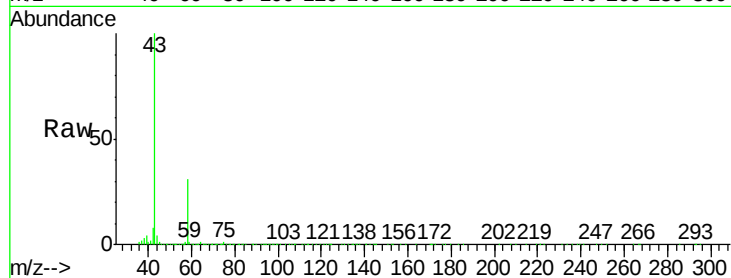
Ion Ratio Lower Upper

58 100

43 326.5 249.8 374.6

Manual Integrations
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#16

Carbon Disulfide

Concen: 18.161 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007509.D

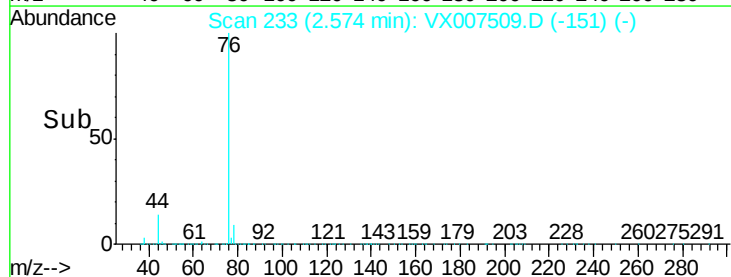
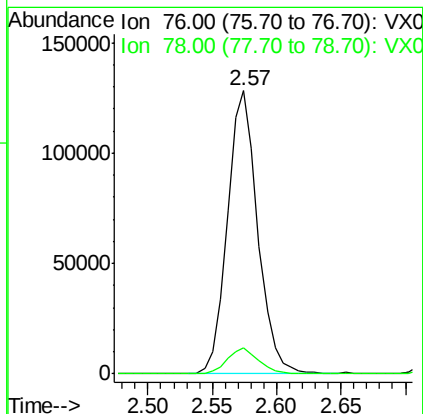
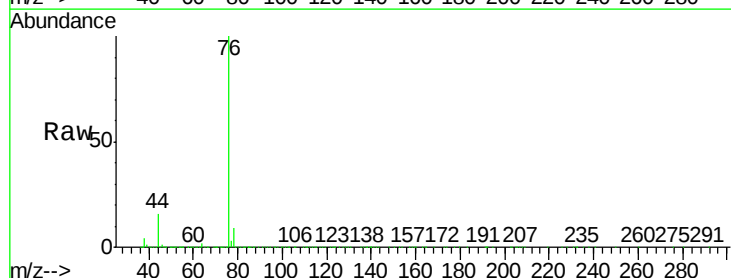
Acq: 13 Feb 2019 03:28

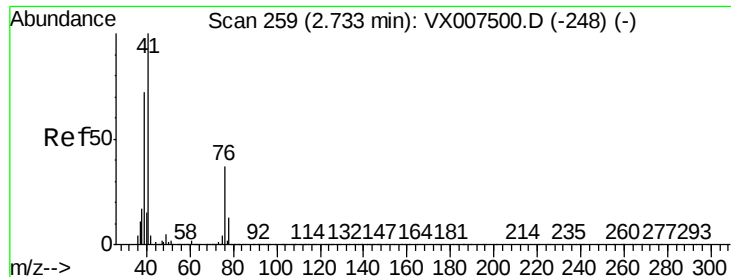
Tgt Ion: 76 Resp: 210439

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3





#17

Allvl chloride

Concen: 17.849 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

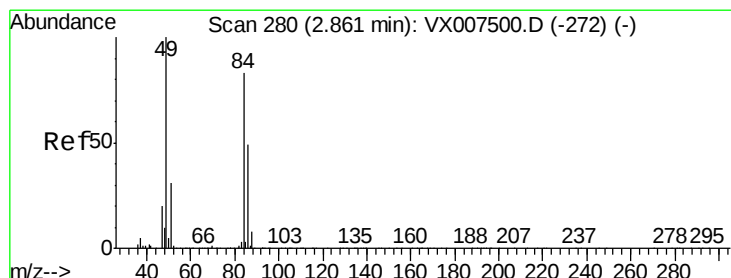
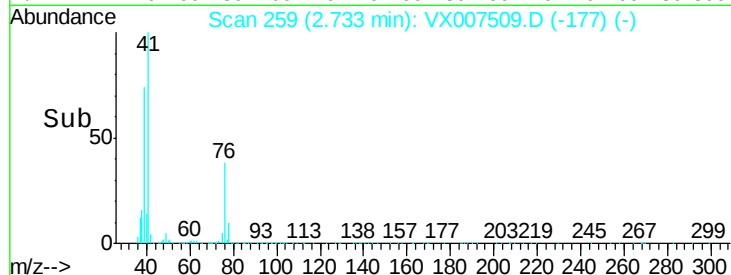
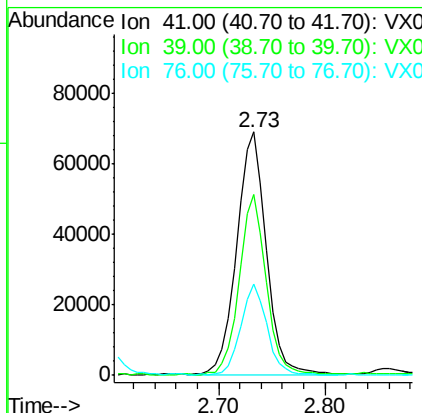
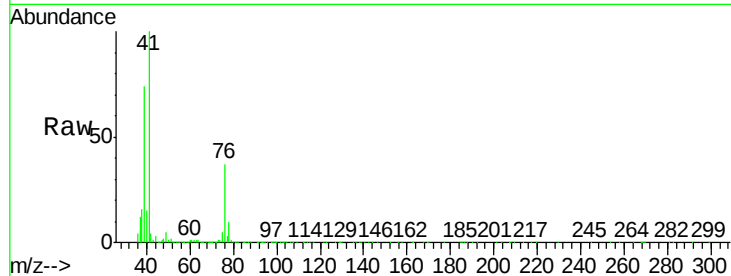
ClientSampleId :

VX0213WBSD01

Tot Ion:	41	Resp:	133628
Ion Ratio	Lower	Upper	
41	100		
39	74.2	35.8	107.4
76	37.3	18.3	54.9

Manual Integrations
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2/13/2019 11:53:17 AM



#18

Methylene Chloride

Concen: 18.549 ug/l

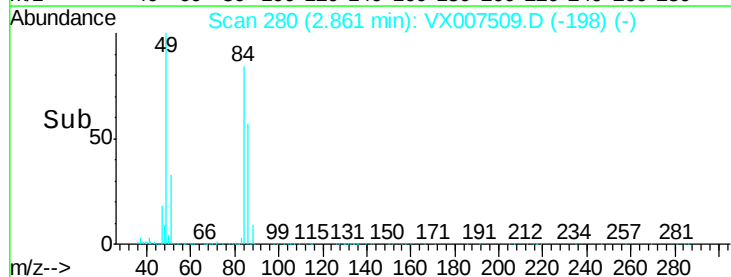
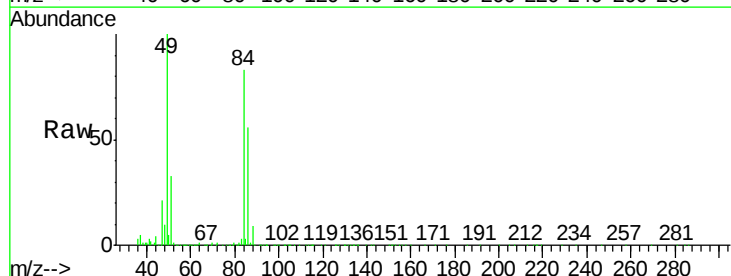
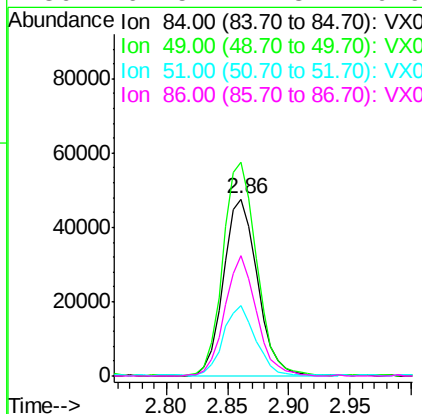
RT: 2.86 min Scan# 280

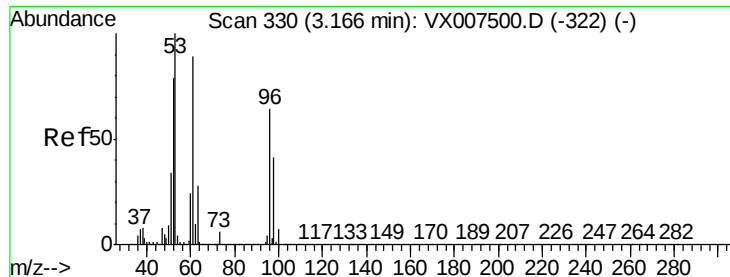
Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Tgt Ion:	84	Resp:	91147
Ion Ratio	Lower	Upper	
84	100		
49	120.7	96.1	144.1
51	39.6	29.1	43.7
86	67.5	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 18.335 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

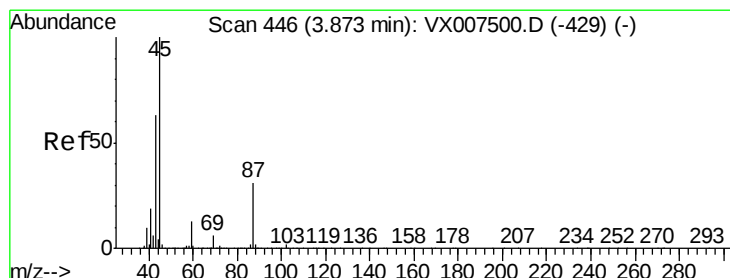
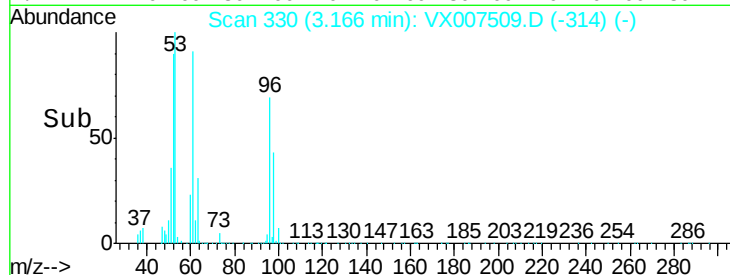
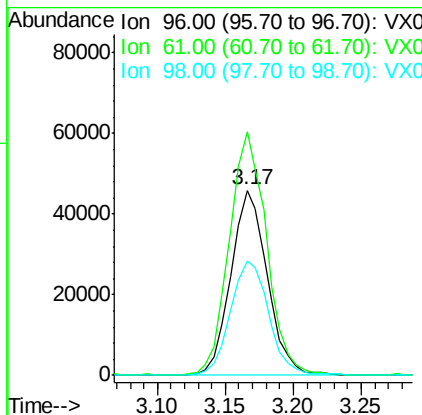
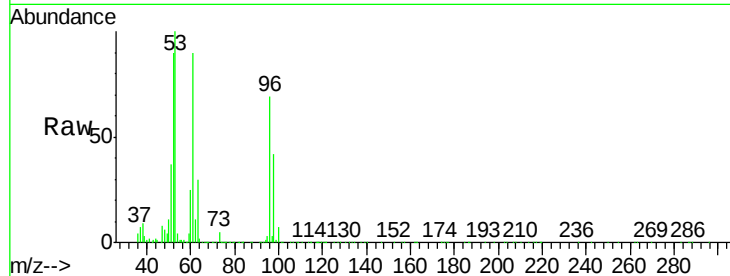
ClientSampleId :

VX0213WBSD01

Tot Ion:	96	Resp:	85690
Ion	Ratio	Lower	Upper
96	100		
61	131.4	109.9	164.9
98	61.8	50.4	75.6

Manual Integrations
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#20

Diisopropyl ether

Concen: 18.597 ug/l

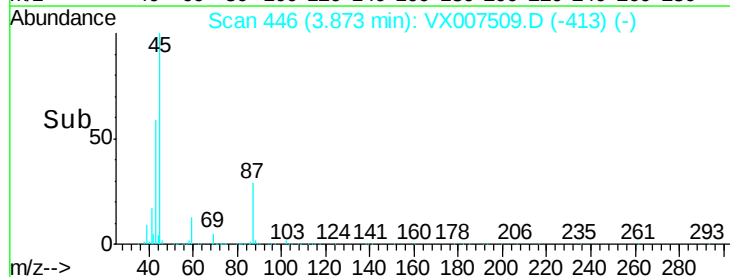
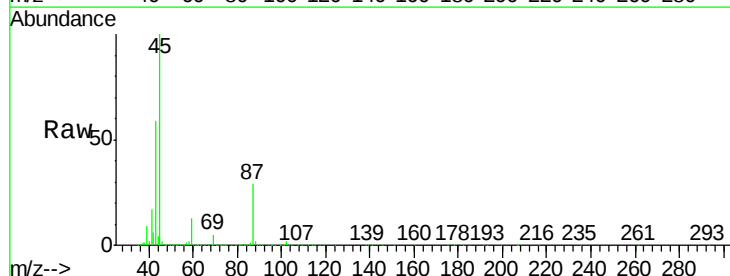
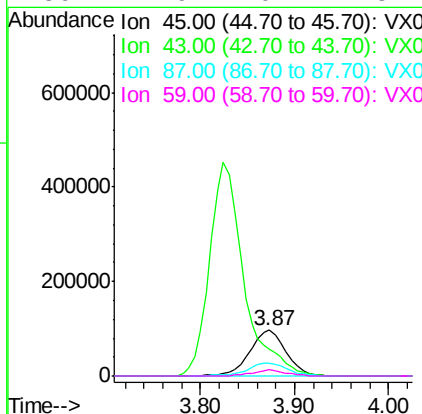
RT: 3.87 min Scan# 446

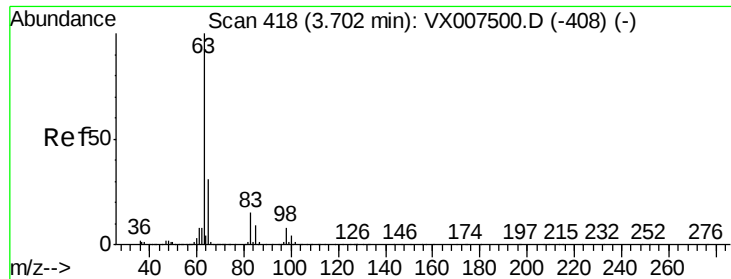
Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Tgt Ion:	45	Resp:	263120
Ion	Ratio	Lower	Upper
45	100		
43	58.1	50.6	76.0
87	28.7	24.5	36.7
59	12.9	10.2	15.2





#21

1,1-Dichloroethane

Concen: 18.780 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

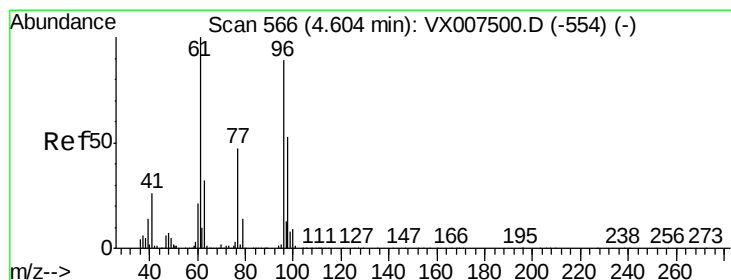
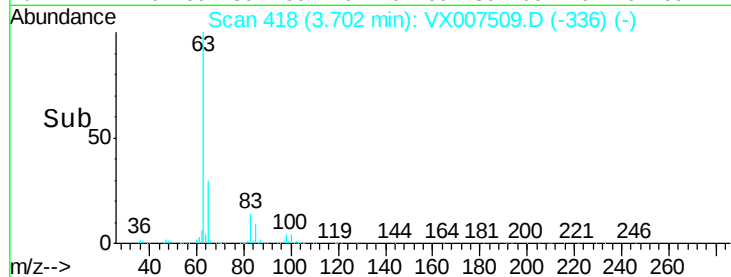
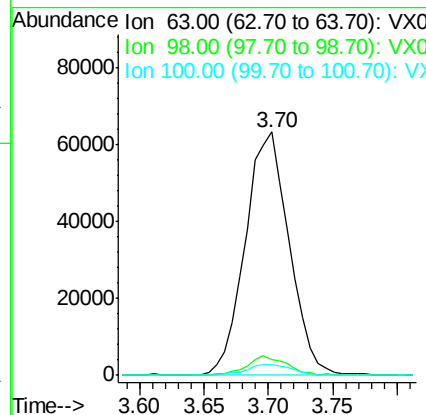
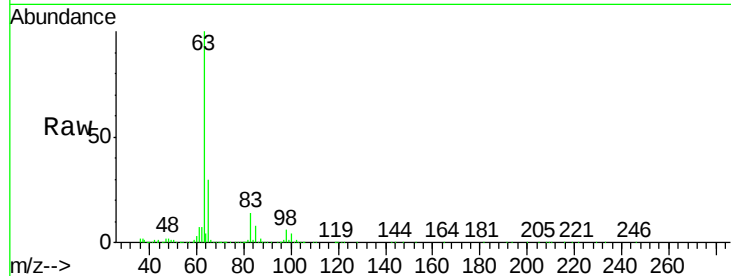
ClientSampleId :

VX0213WBSD01

Tot Ion:	63	Resp:	148961
Ion Ratio		Lower	Upper
63	100		
98	6.3	3.8	11.4
100	4.3	2.4	7.1

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 18.902 ug/l

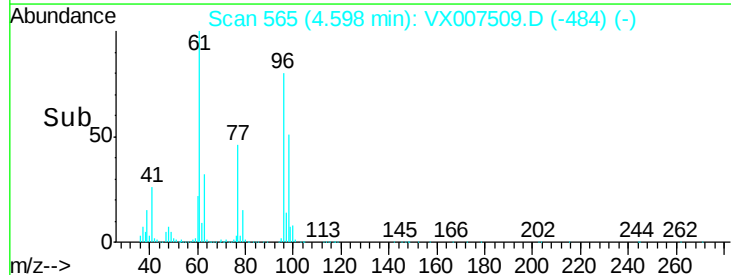
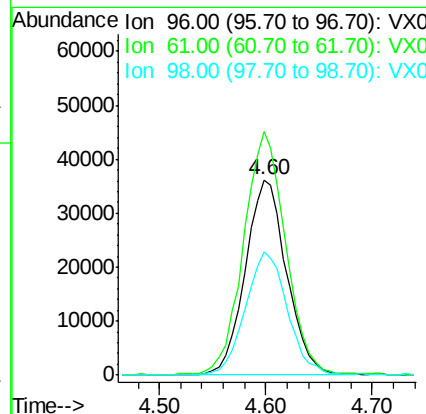
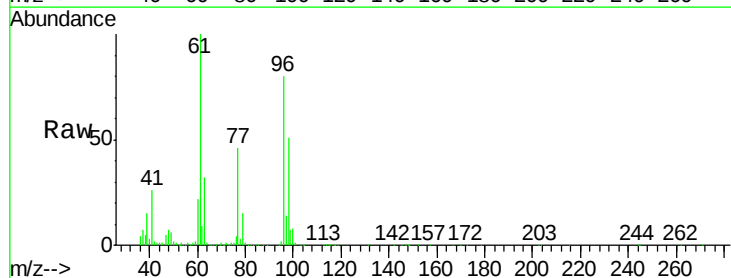
RT: 4.60 min Scan# 565

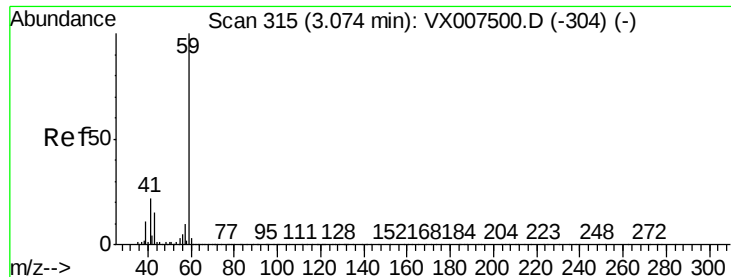
Delta R.T. -0.01 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Tgt Ion:	96	Resp:	98309
Ion Ratio		Lower	Upper
96	100		
61	126.5	103.5	155.3
98	63.9	52.1	78.1





#23

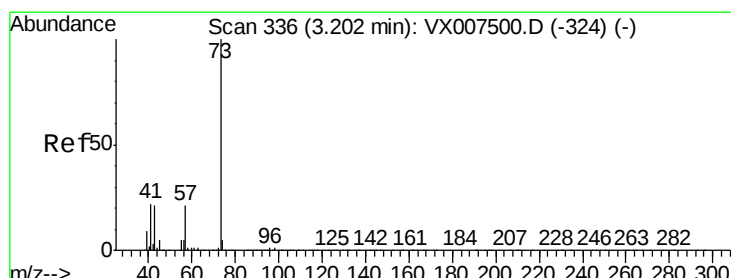
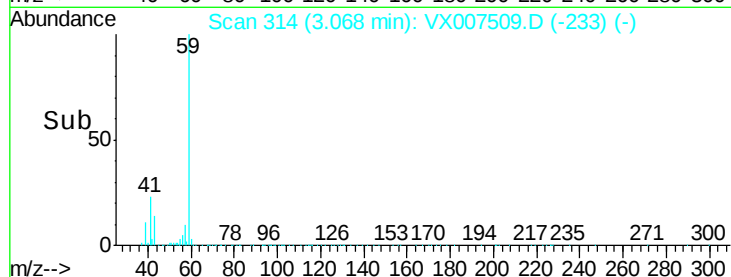
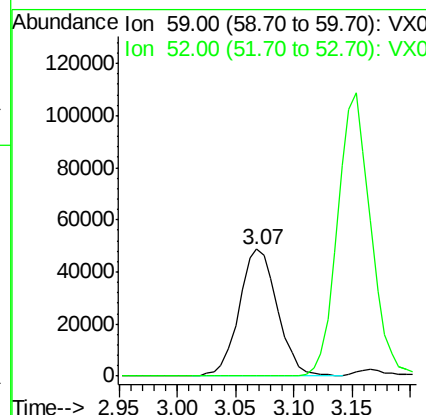
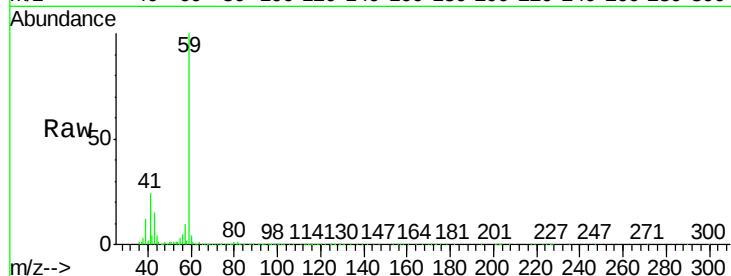
tert-Butyl Alcohol
Concen: 95.380 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Instrument :
MSVOA_X
ClientSampleId :
VX0213WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

Manual Integrations
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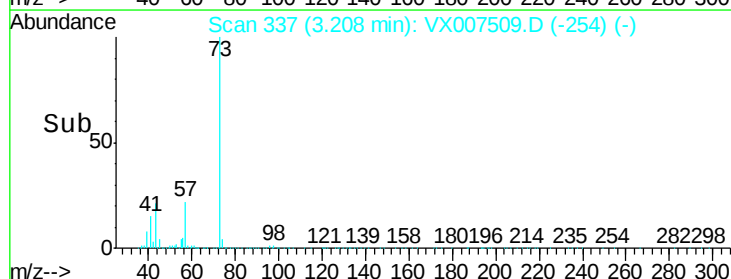
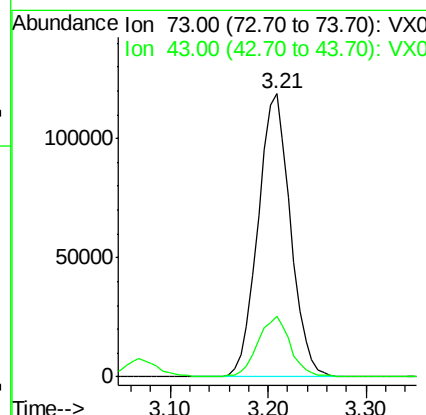
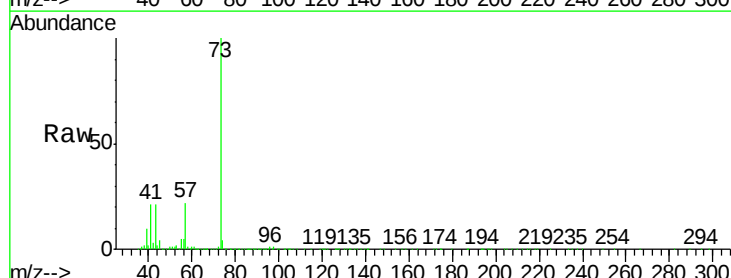
MMDadoda
2/13/2019 11:53:17 AM

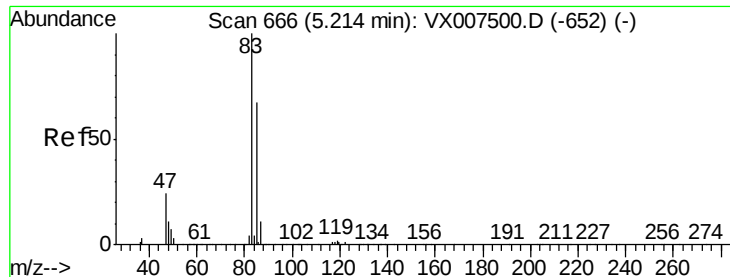


#24

Methyl tert-Butyl Ether
Concen: 18.145 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.1	17.1	25.7





#25

Chloroform

Concen: 18.668 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

ClientSampleId :

VX0213WBSD01

Tot Ion: 83 Resp: 156393

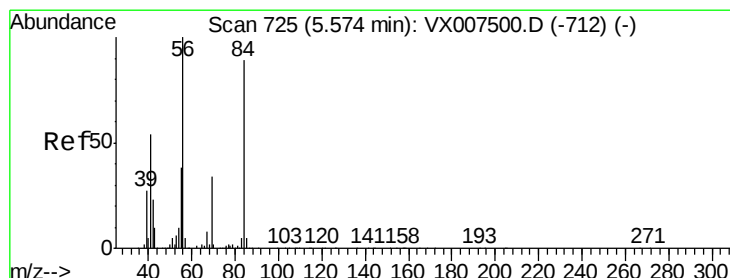
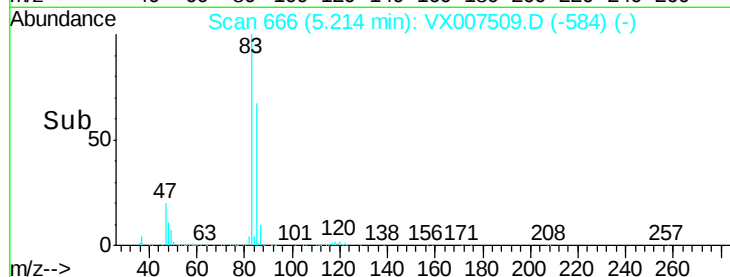
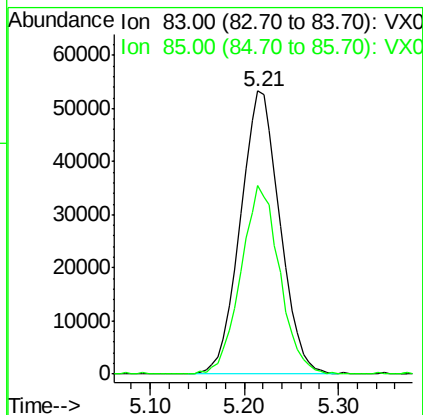
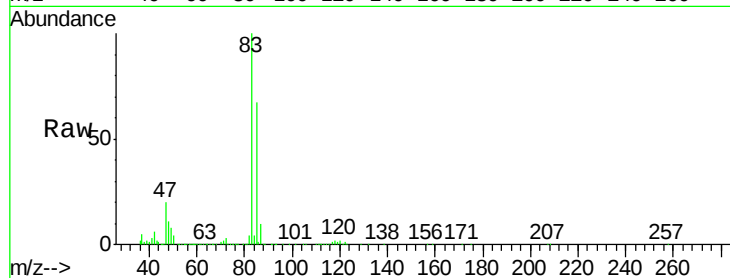
Ion Ratio Lower Upper

83 100

85 66.6 53.8 80.6

Manual Integrations
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#26

Cyclohexane

Concen: 18.300 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

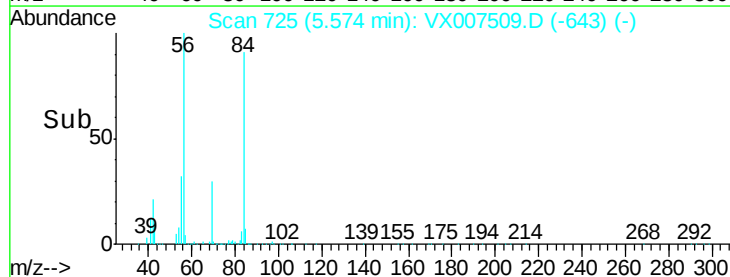
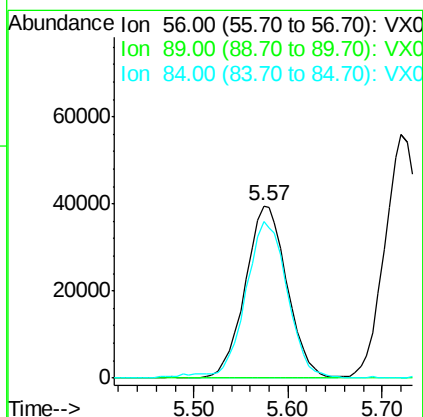
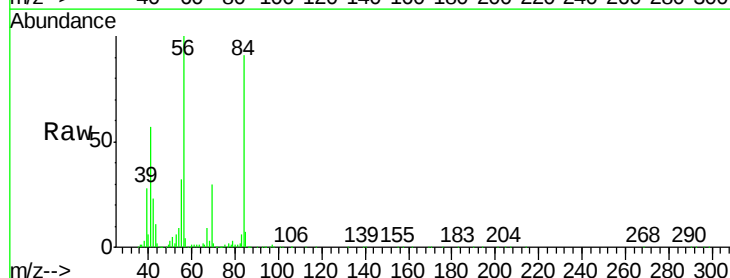
Tgt Ion: 56 Resp: 121718

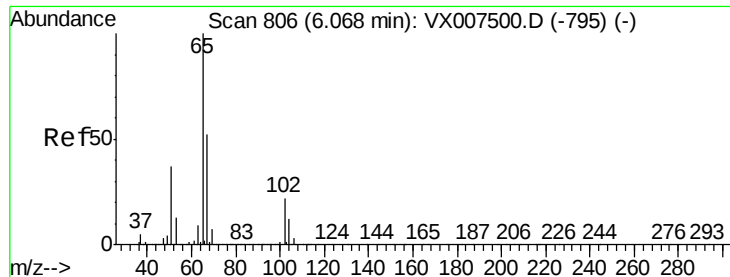
Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

84 90.2 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 29.555 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

ClientSampleId :

VX0213WBSD01

Tot Ion: 65 Resp: 152060

Ion Ratio Lower Upper

65 100

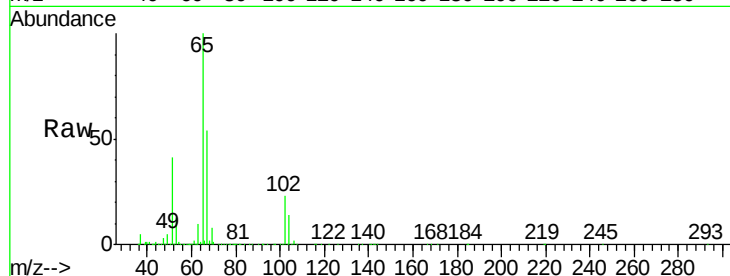
67 52.6 42.9 64.3

Manual Integrations

APPROVED

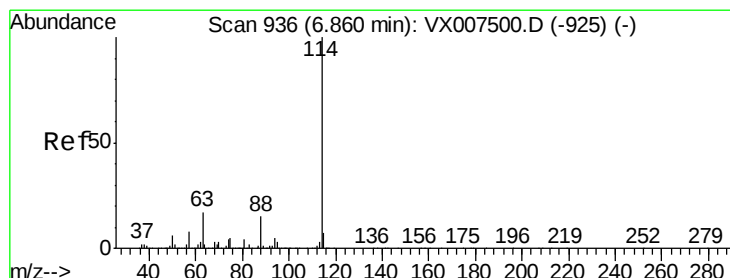
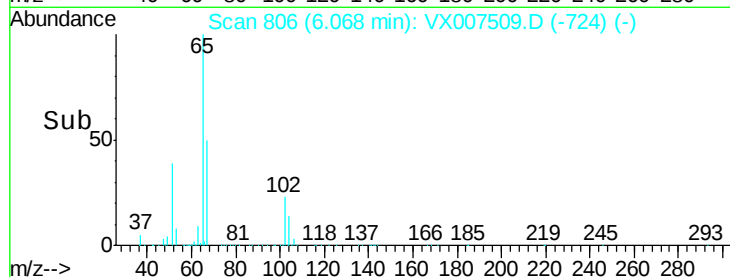
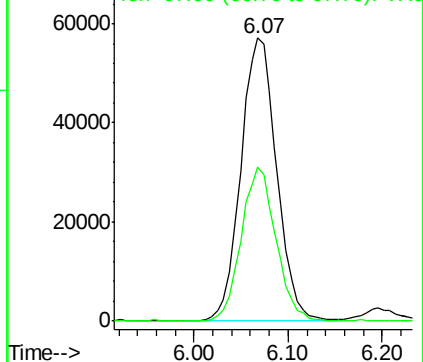
MMDadoda

2/13/2019 11:53:17 AM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

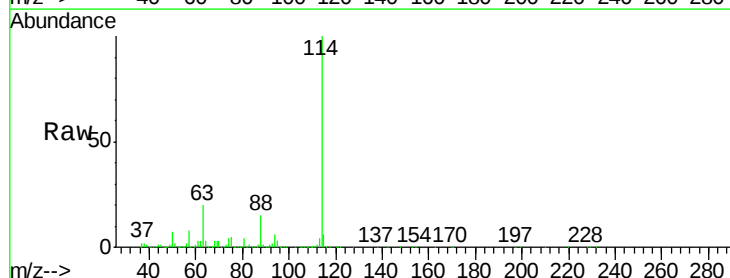
Tgt Ion: 114 Resp: 407686

Ion Ratio Lower Upper

114 100

63 18.6 14.2 21.4

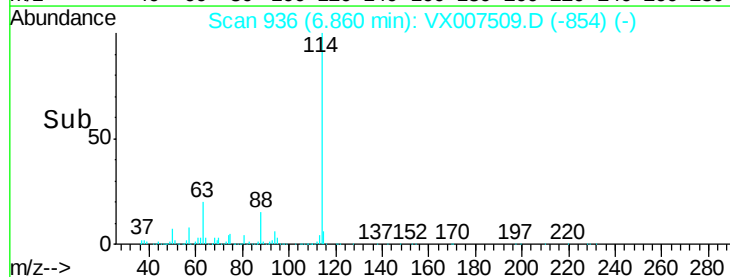
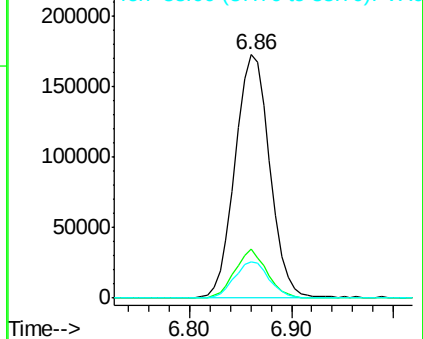
88 15.0 11.9 17.9

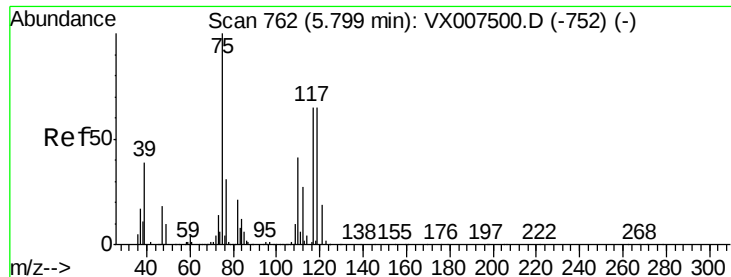


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





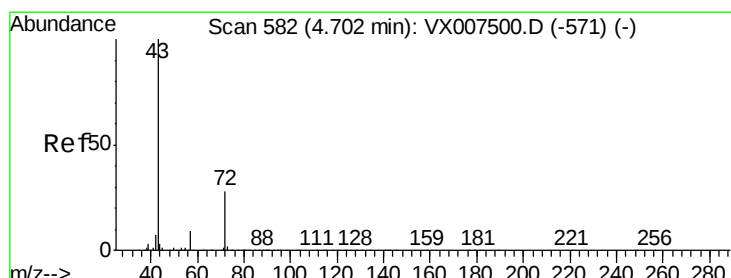
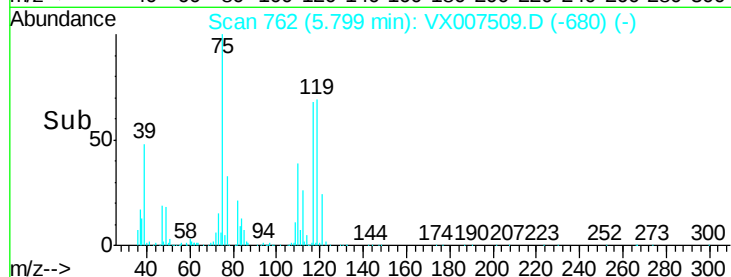
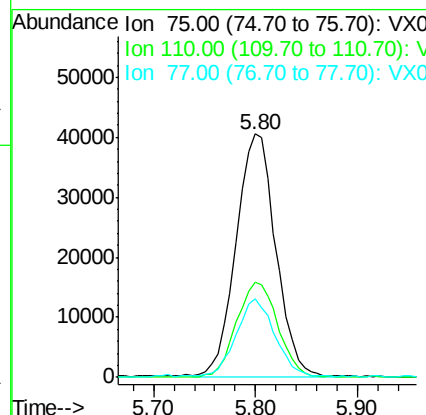
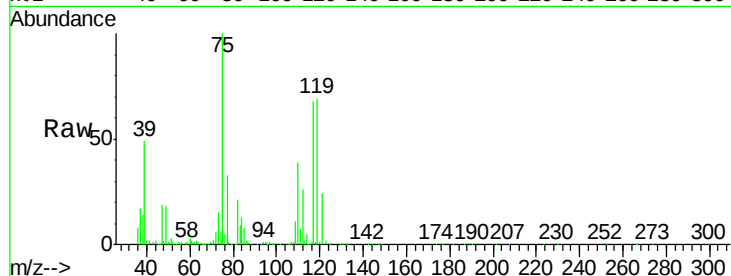
#29
 1,1-Dichloropropene
 Concen: 19.194 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007509.D
 Acq: 13 Feb 2019 03:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0213WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	41.0	0.0	80.8
77	31.4	0.0	62.4

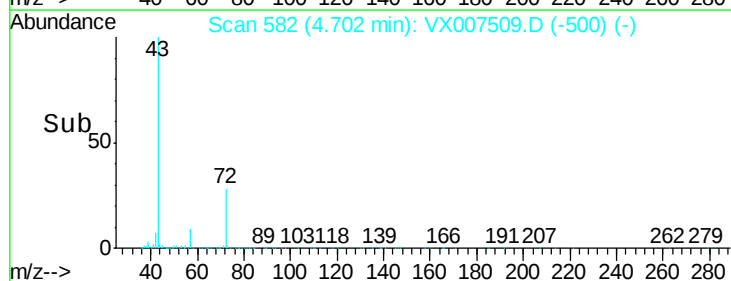
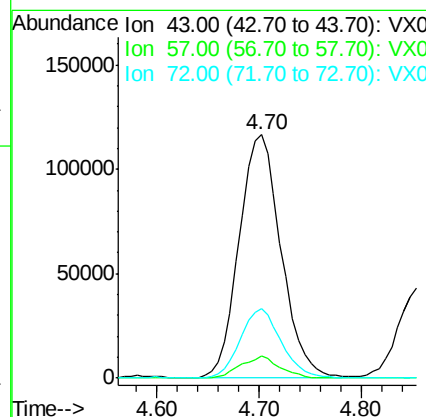
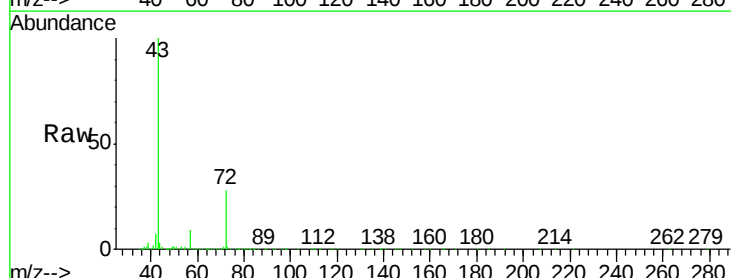
Manual Integrations
 APPROVED

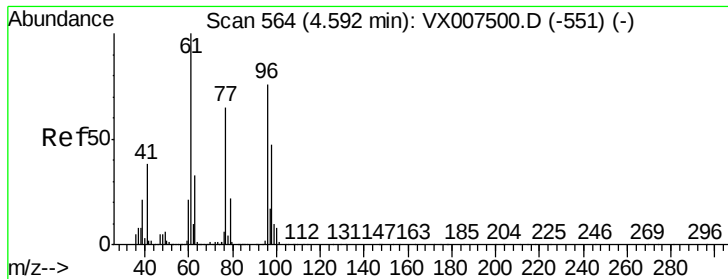
MMDadoda
 2/13/2019 11:53:17 AM



#30
 2-Butanone
 Concen: 98.127 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX007509.D
 Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.4	7.0	10.6
72	28.1	21.5	32.3





#31

2,2-Dichloropropane

Concen: 17.109 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

ClientSampleId :

VX0213WBSD01

Tot Ion: 77 Resp: 79046

Ion Ratio Lower Upper

77 100

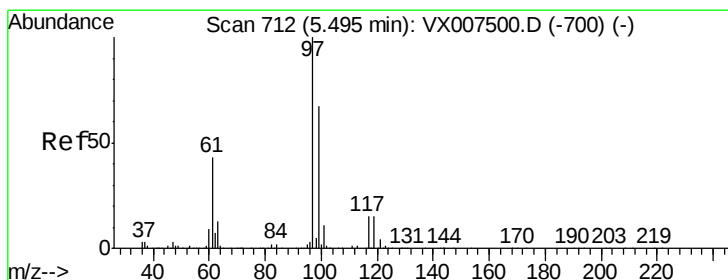
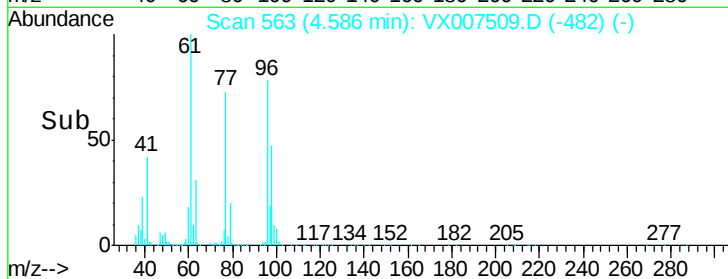
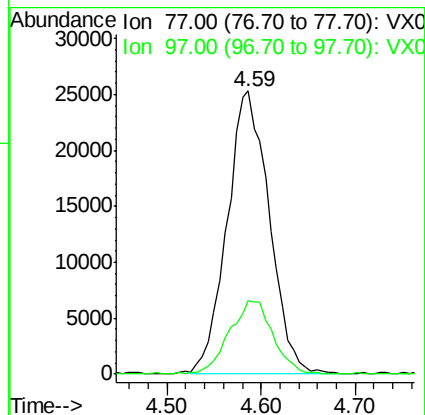
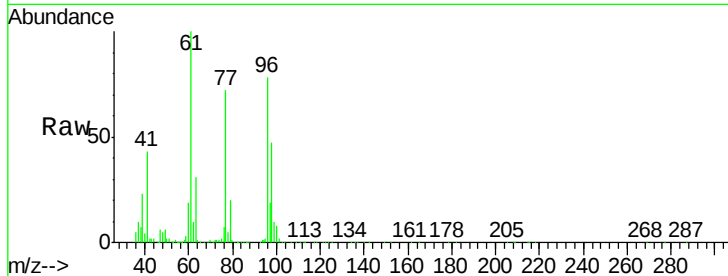
97 26.7 20.6 31.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.136 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

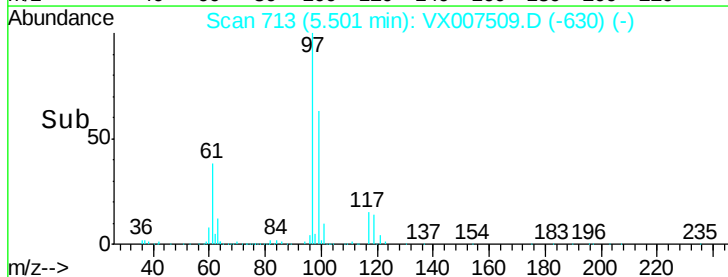
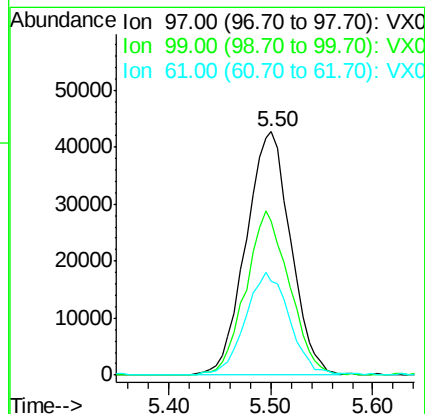
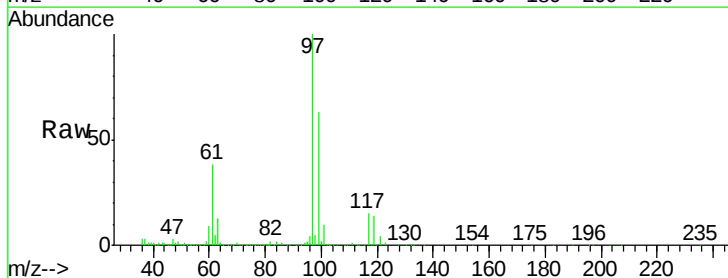
Tgt Ion: 97 Resp: 130069

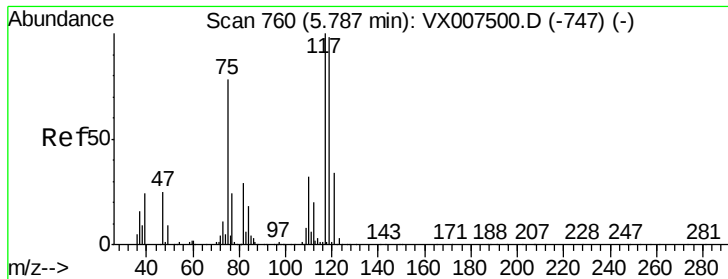
Ion Ratio Lower Upper

97 100

99 65.6 51.7 77.5

61 41.3 32.8 49.2





#33

Carbon Tetrachloride

Concen: 18.831 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

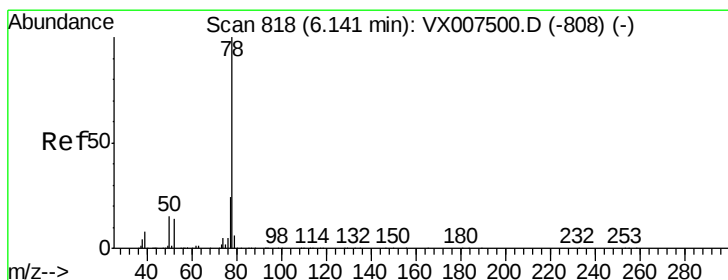
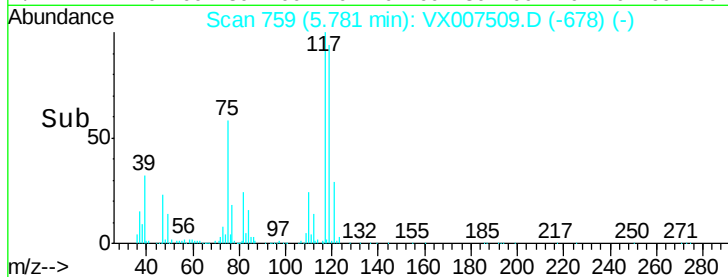
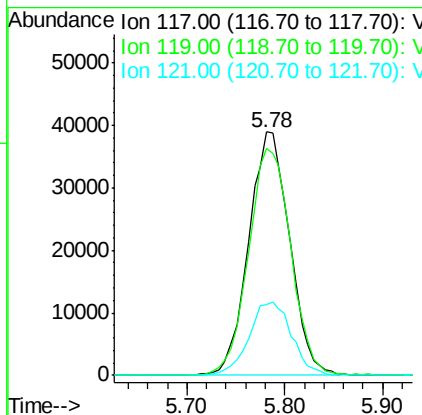
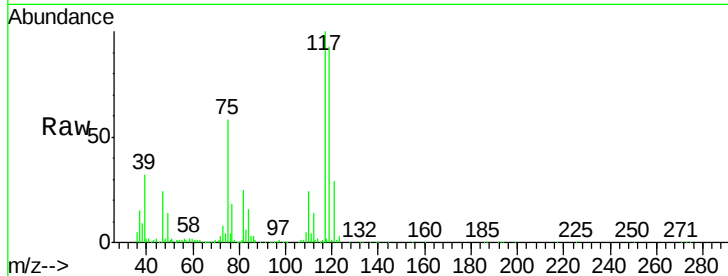
ClientSampleId :

VX0213WBSD01

Tot Ion:	117	Resp:	113152
Ion Ratio	Lower	Upper	
117	100		
119	93.2	78.1	117.1
121	29.0	27.0	40.6

Manual Integrations
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#34

Benzene

Concen: 19.471 ug/l

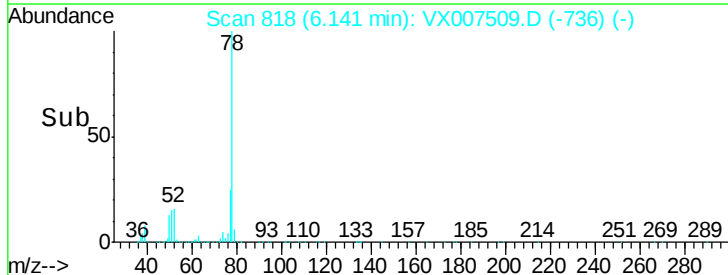
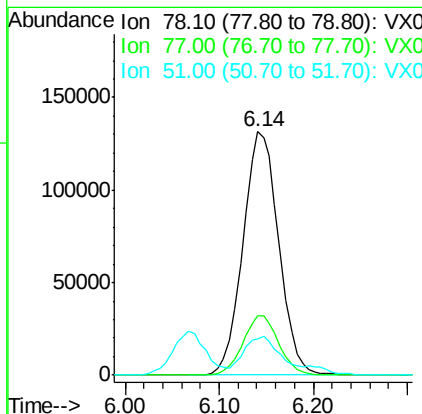
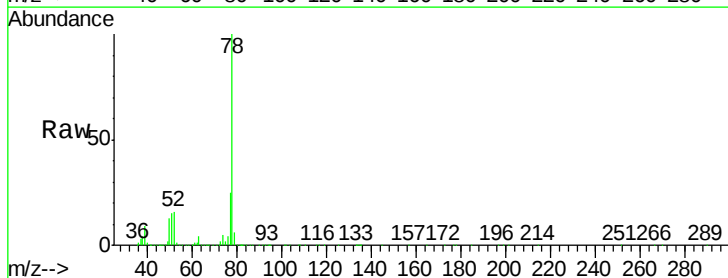
RT: 6.14 min Scan# 818

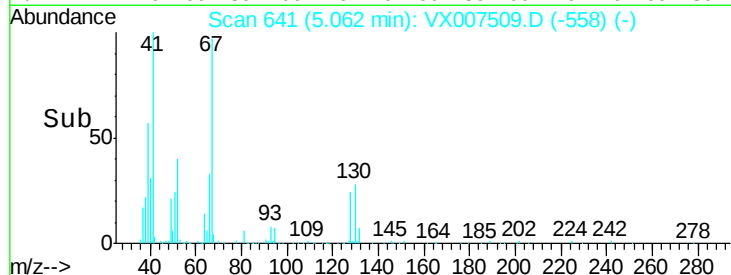
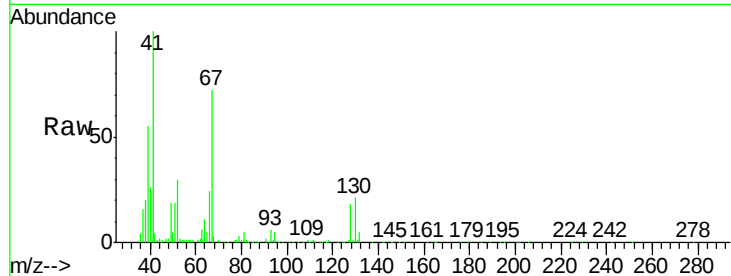
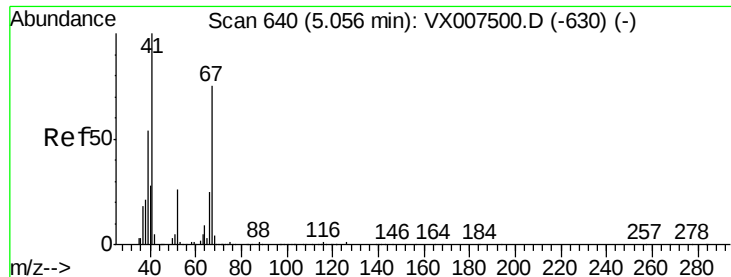
Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

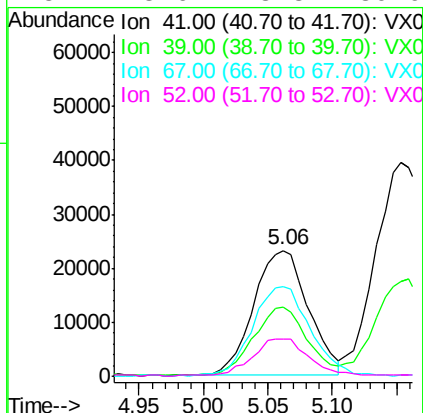
Tgt Ion:	78	Resp:	349072
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.1	28.7
51	14.2	10.8	16.2





#35
Methacrylonitrile
Concen: 19.468 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

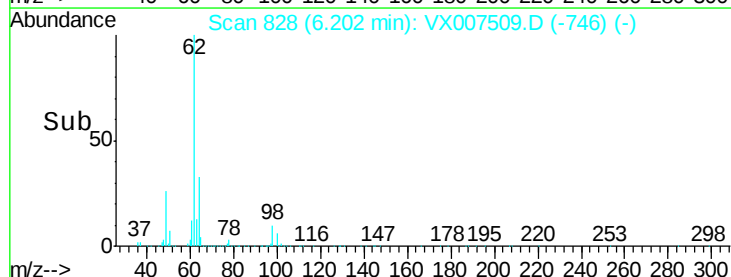
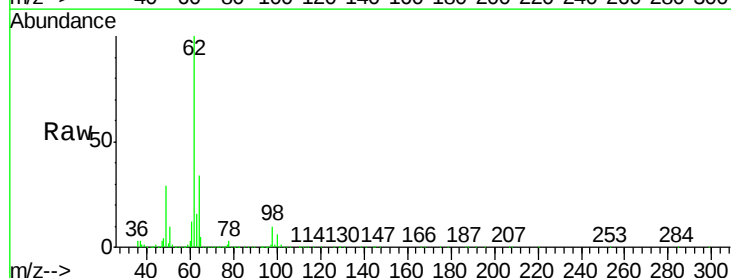
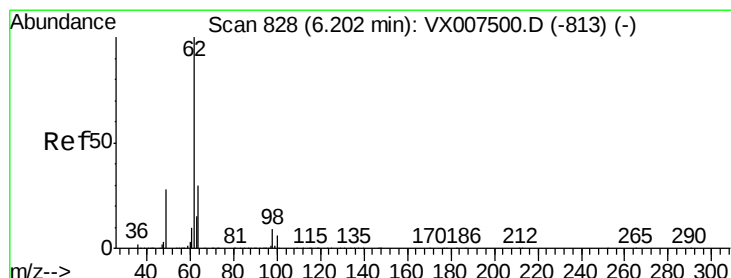
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.8	27.4	82.0	
67	71.5	37.9	113.6	
52	28.6	13.3	39.9	



Instrument :
MSVOA_X
ClientSampleId :
VX0213WBSD01

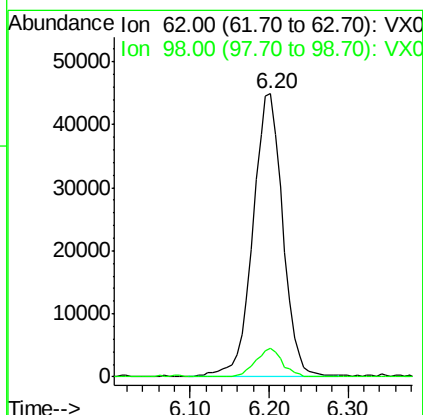
Manual Integrations
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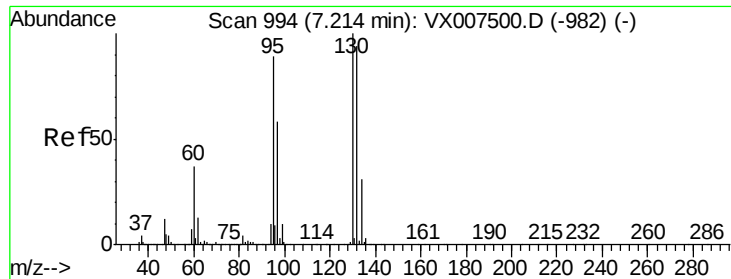
MMDadoda
2/13/2019 11:53:17 AM



#36
1,2-Dichloroethane
Concen: 19.434 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	7.8	11.8	





#37

Trichloroethene

Concen: 19.138 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

ClientSampleId :

VX0213WBSD01

Tot Ion:130 Resp: 98643

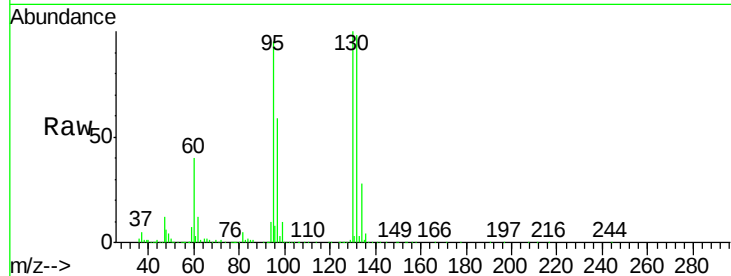
Ion Ratio Lower Upper

130 100

95 94.9 71.3 106.9

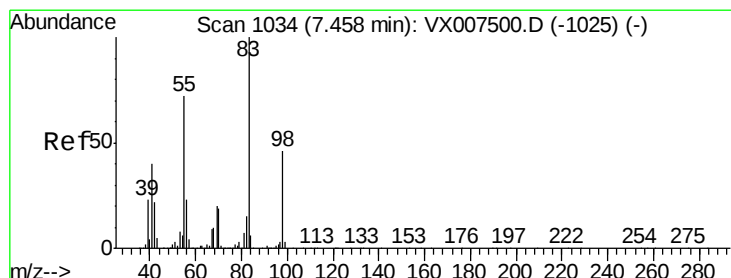
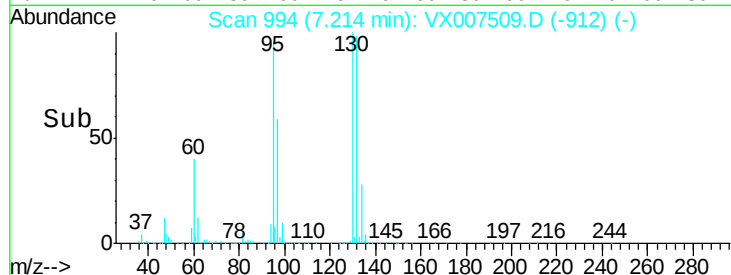
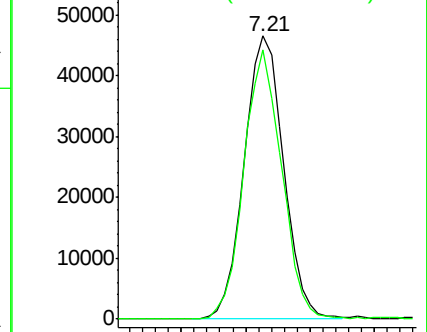
Manual Integrations
APPROVED

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2/13/2019 11:53:17 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 17.903 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

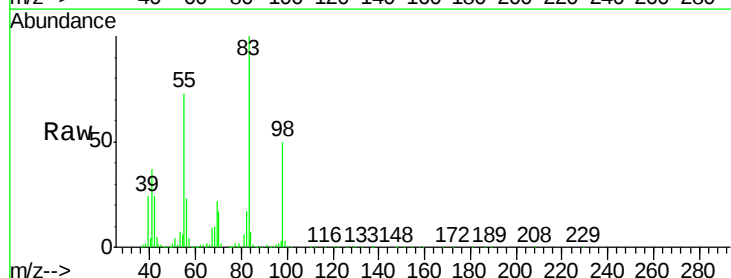
Tgt Ion: 83 Resp: 117855

Ion Ratio Lower Upper

83 100

55 71.3 36.0 108.0

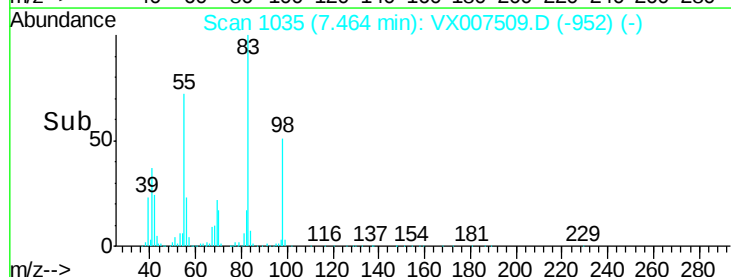
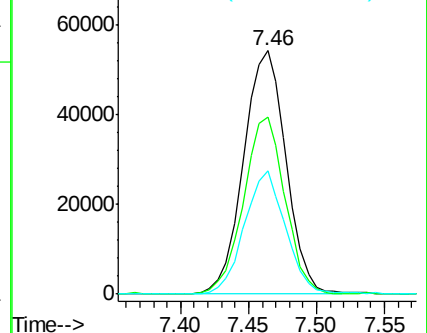
98 49.0 23.8 71.4

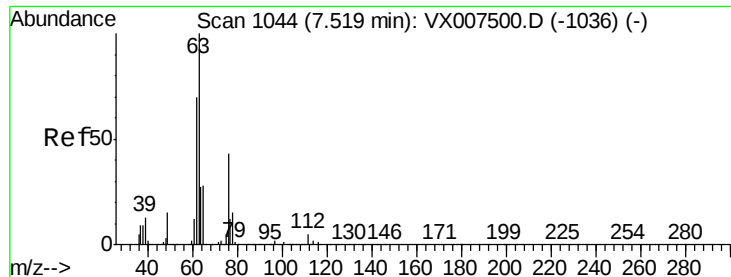


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





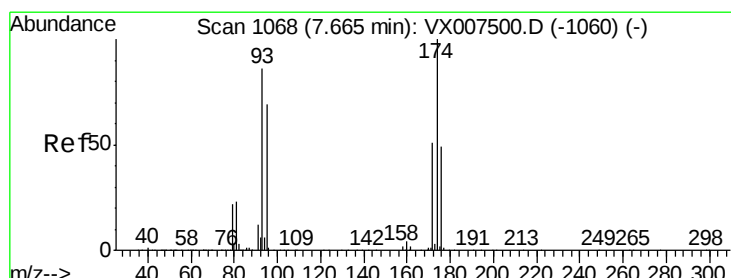
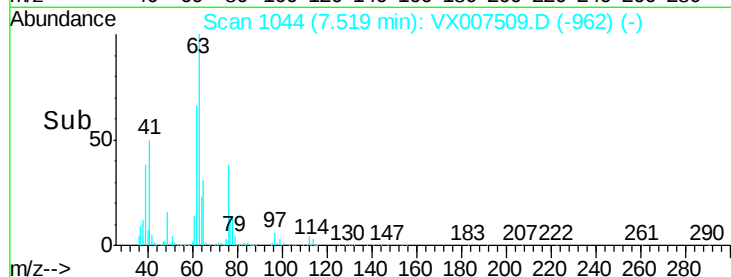
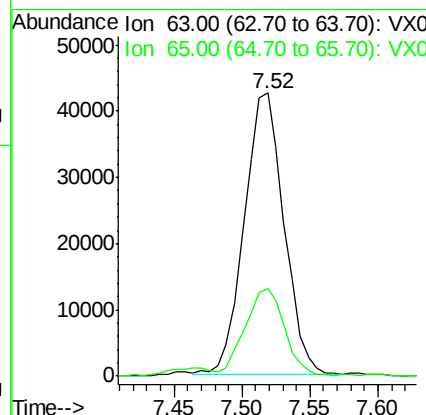
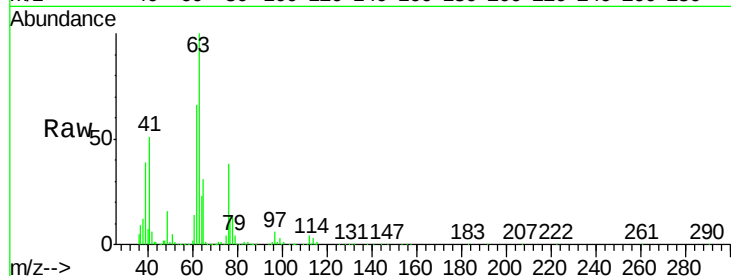
#39
 1,2-Dichloropropane
 Concen: 19.532 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX007509.D
 Acq: 13 Feb 2019 03:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0213WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.6	37.0

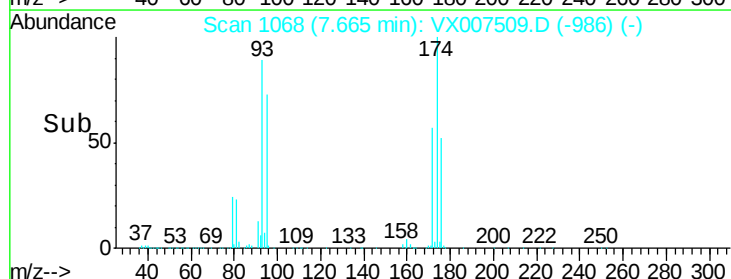
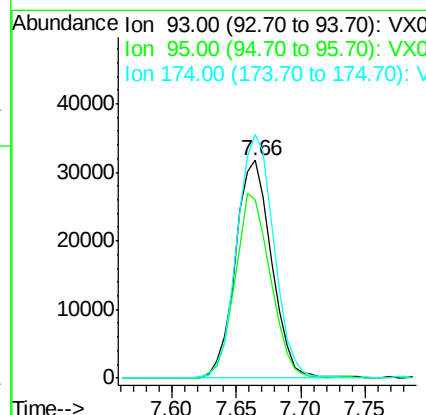
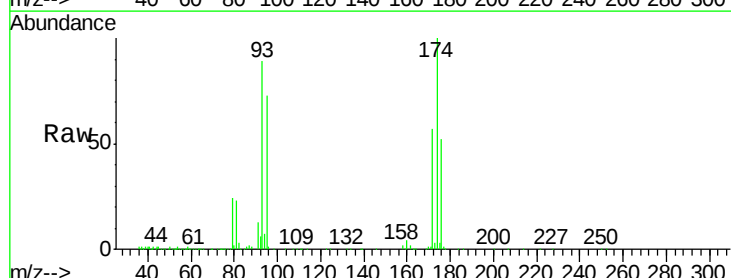
Manual Integrations
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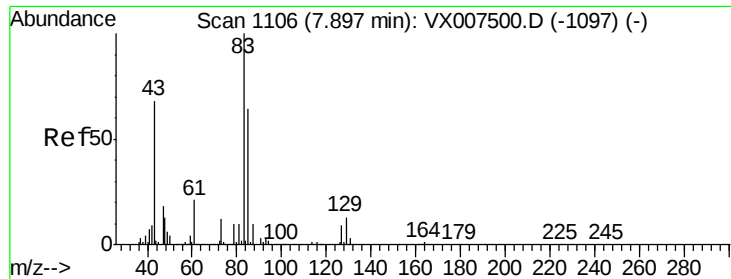
MMDadoda
 2/13/2019 11:53:17 AM



#40
 Dibromomethane
 Concen: 19.306 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX007509.D
 Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	0.0	158.8
174	113.0	0.0	224.2





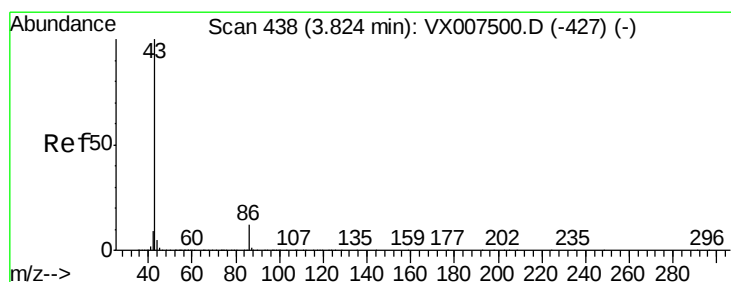
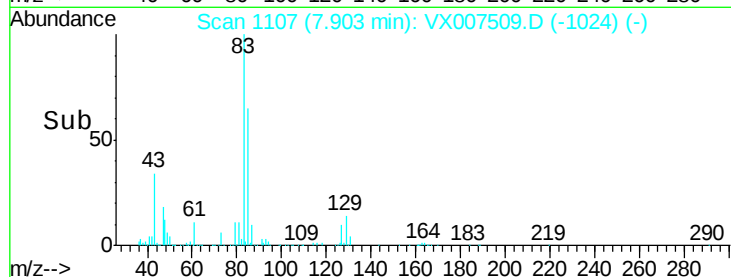
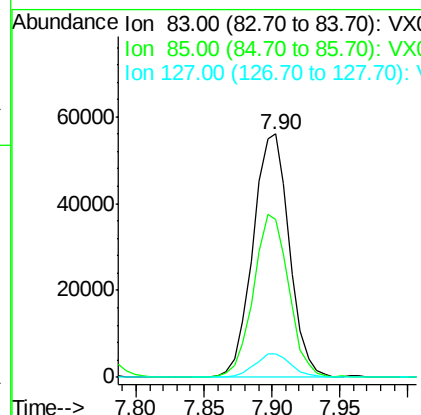
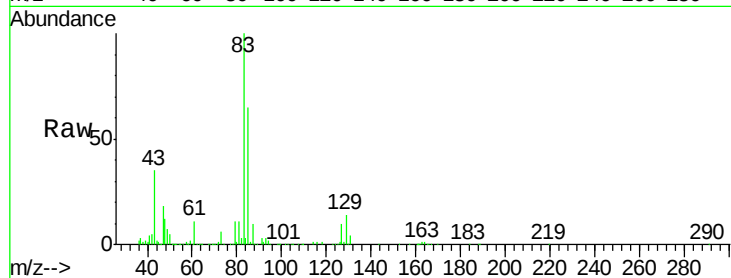
#41
Bromodichloromethane
Concen: 18.427 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Instrument :
MSVOA_X
ClientSampleId :
VX0213WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.1	76.7
127	9.7	7.2	10.8

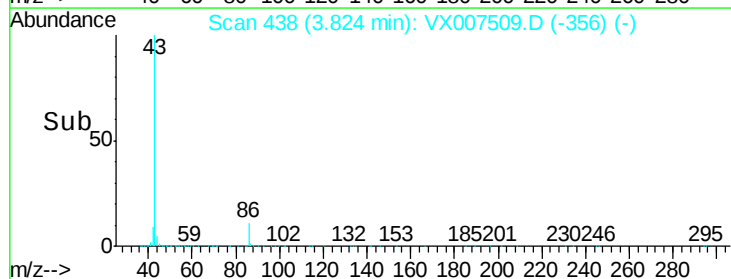
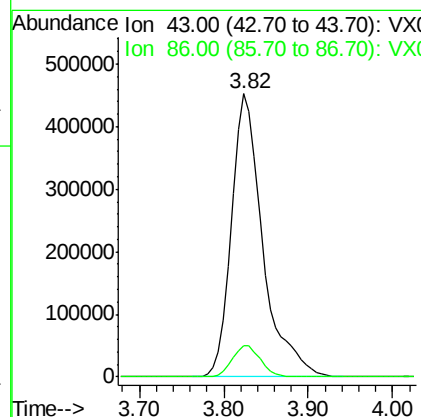
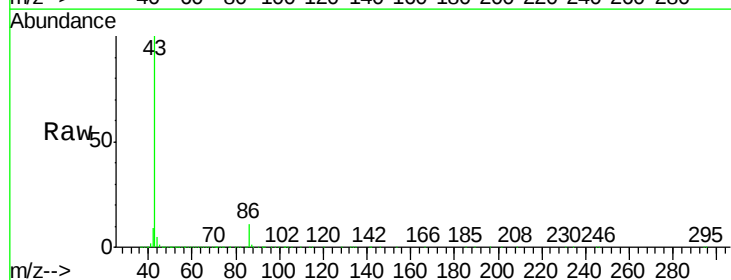
Manual Integrations
APPROVED

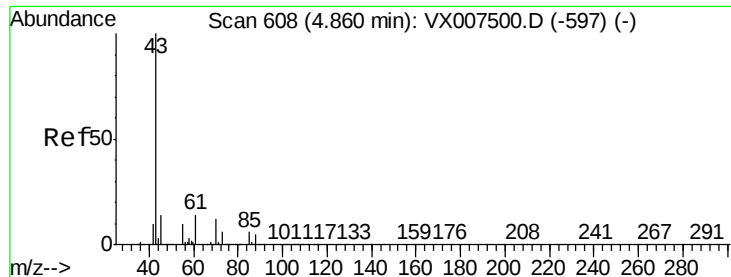
MMDadoda
2/13/2019 11:53:17 AM



#42
Vinyl Acetate
Concen: 97.307 ug/l
RT: 3.82 min Scan# 438
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.2	12.2





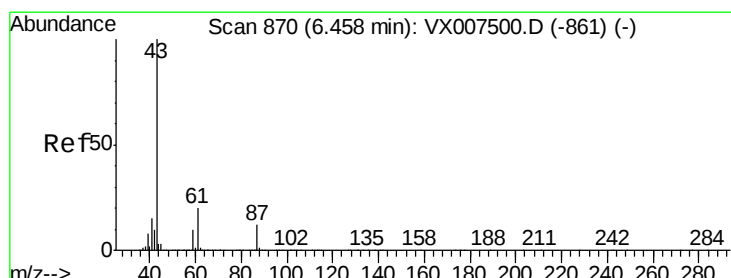
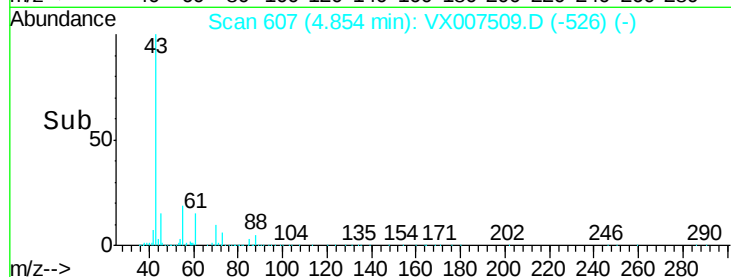
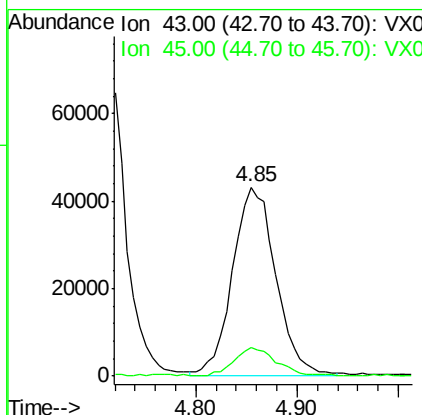
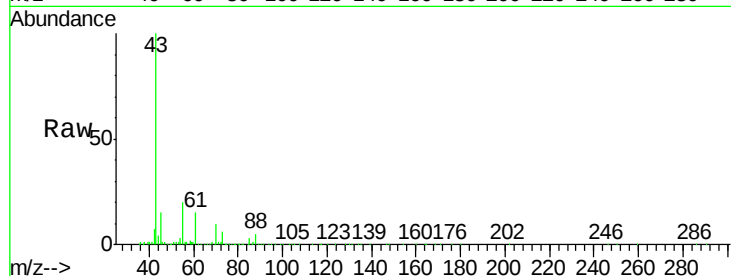
#43
Ethyl Acetate
Concen: 19.982 ug/l m
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Instrument :
MSVOA_X
ClientSampleId :
VX0213WBSD01

Tot Ion	43	45	Ratio	100	0.1	Resp	128781	Lower	Upper
43	100								
45		0.1				6.9		10.3	

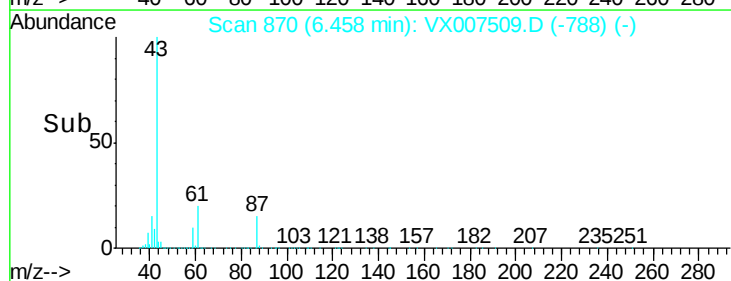
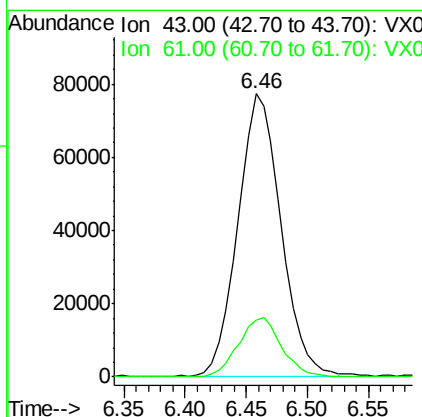
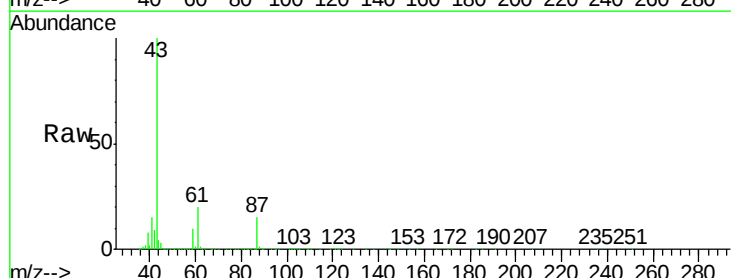
Manual Integrations
APPROVED

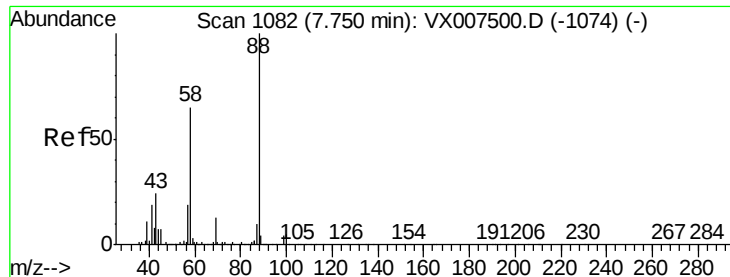
MMDadoda
2/13/2019 11:53:17 AM



#44
Isopropyl Acetate
Concen: 18.904 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Tgt Ion	43	61	Ratio	100	21.0	Resp	188104	Lower	Upper
43	100								
61		21.0				16.1		24.1	





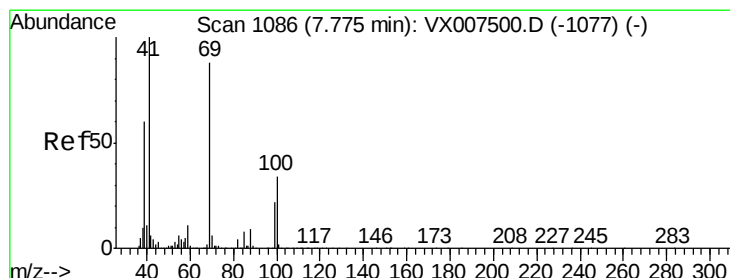
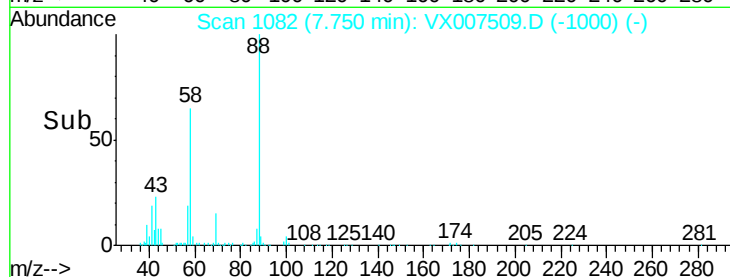
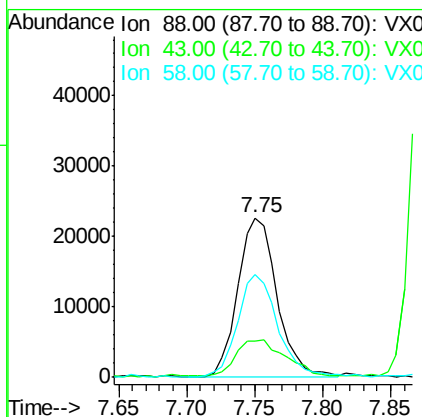
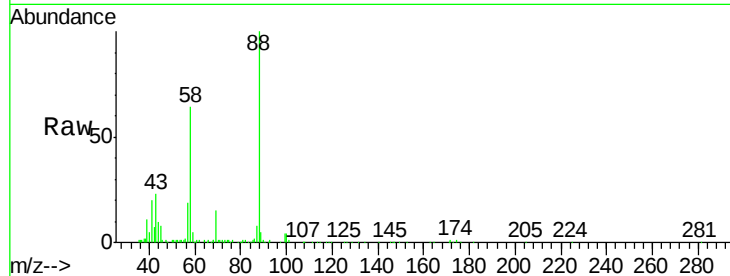
#45
1,4-Dioxane
Concen: 391.873 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Instrument :
MSVOA_X
ClientSampleId :
VX0213WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.0	23.6	35.4
58	66.6	51.6	77.4

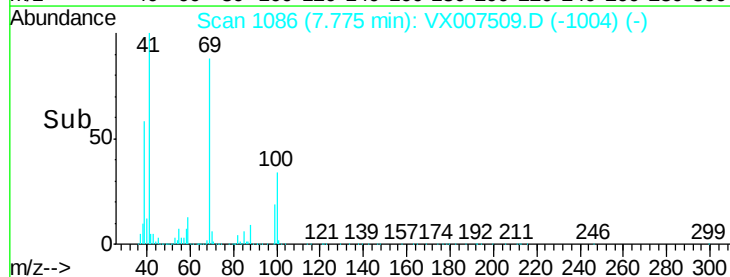
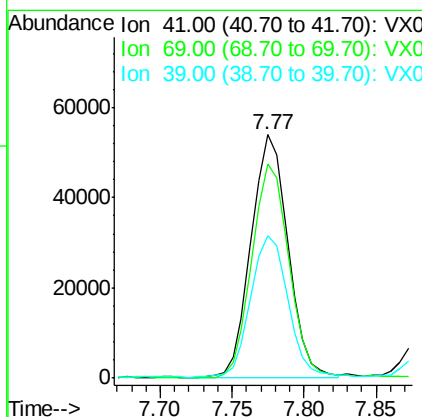
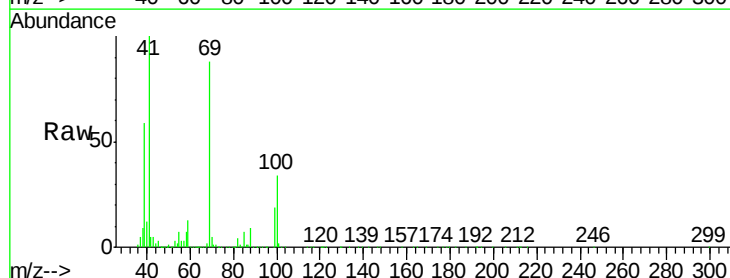
Manual Integrations
APPROVED

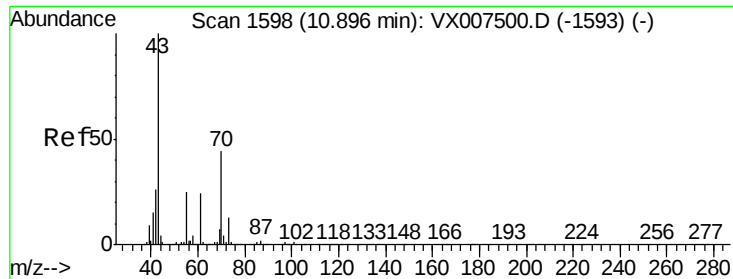
MMDadoda
2/13/2019 11:53:17 AM



#46
Methyl methacrylate
Concen: 19.100 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.6	44.2	132.6
39	58.6	29.9	89.8





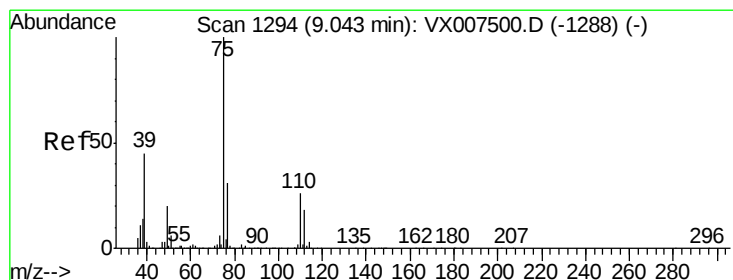
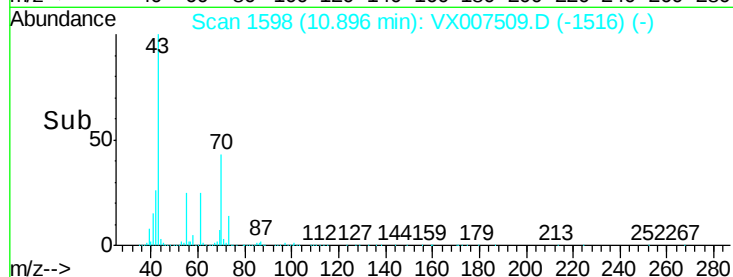
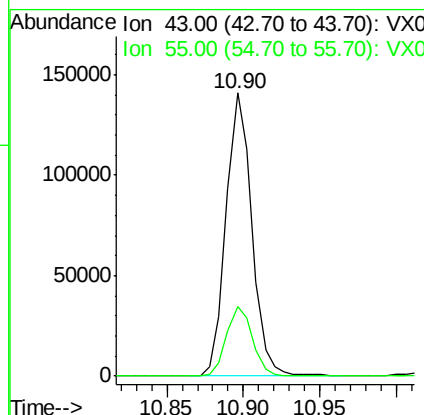
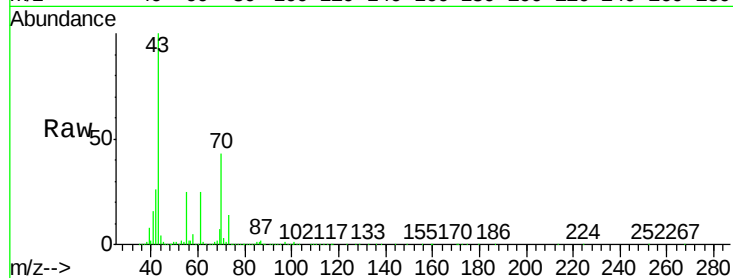
#47
n-amvl Acetate
Concen: 18.761 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Instrument :
MSVOA_X
ClientSampleId :
VX0213WBSD01

Tot Ion	43	Resp	164547
Ion	Ratio	Lower	Upper
43	100		
55	25.0	20.8	31.2

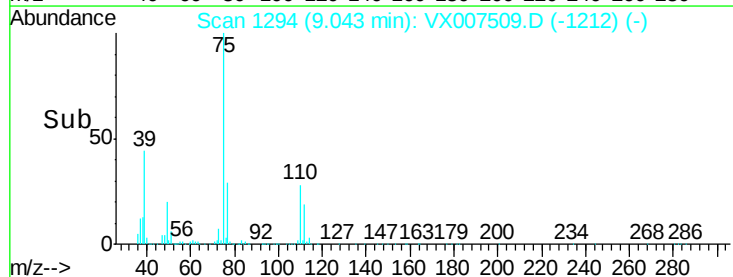
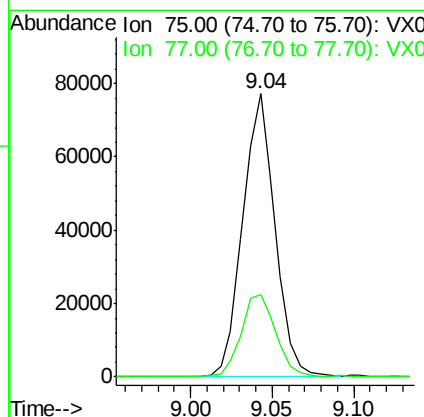
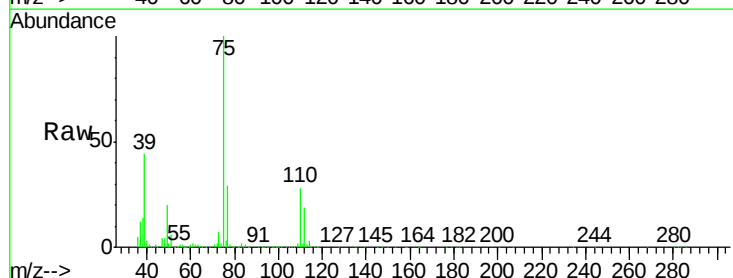
Manual Integrations
APPROVED

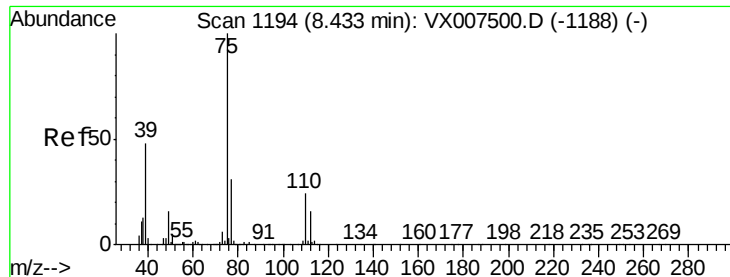
MMDadoda
2/13/2019 11:53:17 AM



#48
t-1,3-Dichloropropene
Concen: 18.011 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Tgt Ion	75	Resp	106264
Ion	Ratio	Lower	Upper
75	100		
77	29.0	24.5	36.7





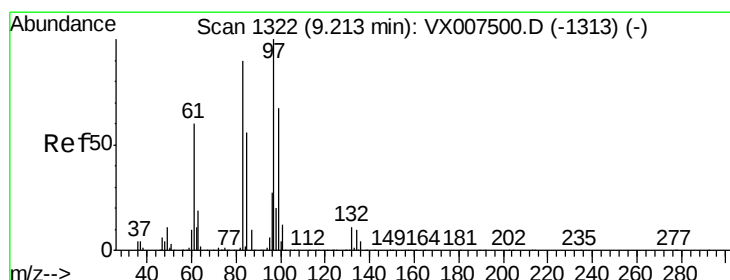
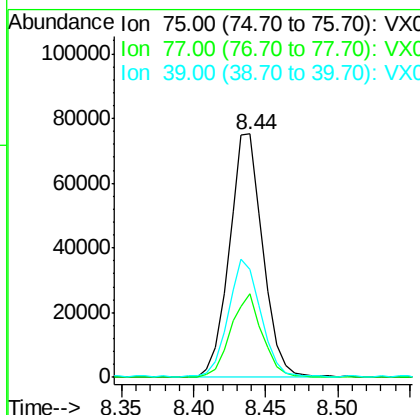
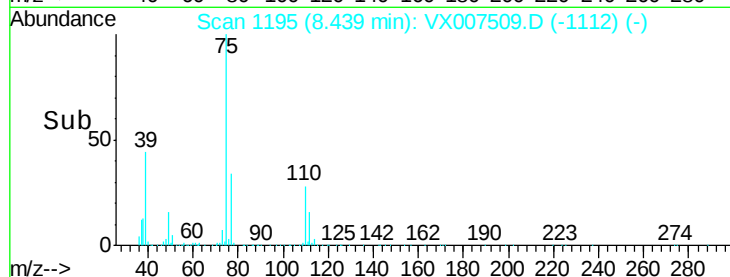
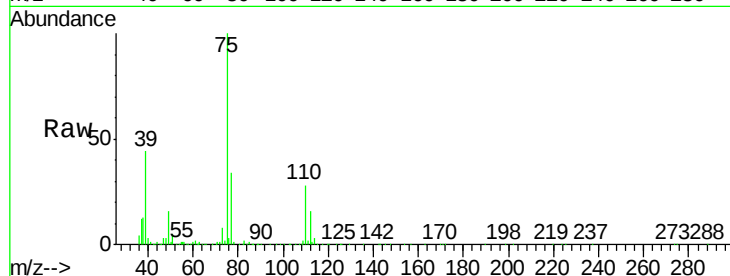
#49
 cis-1,3-Dichloropropene
 Concen: 18.547 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: VX007509.D
 Acq: 13 Feb 2019 03:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0213WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.0	37.4
39	44.2	38.5	57.7

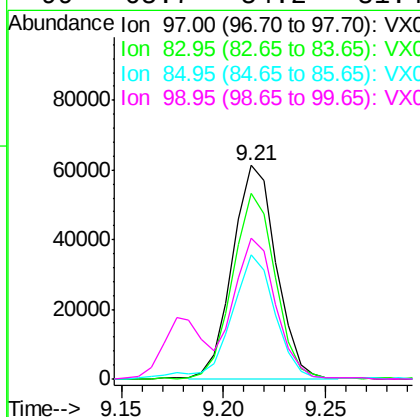
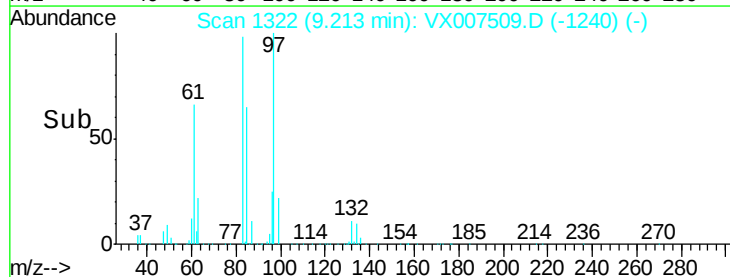
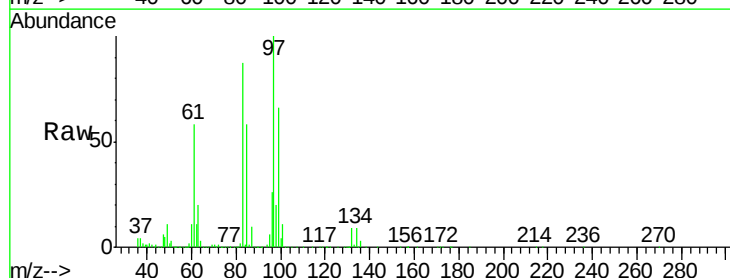
Manual Integrations
 APPROVED

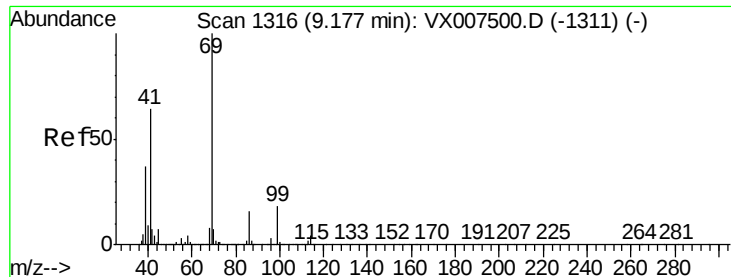
MMDadoda
 2/13/2019 11:53:17 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.441 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007509.D
 Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.7	72.0	108.0
85	57.7	45.0	67.6
99	65.7	54.2	81.4





#51

Ethyl methacrylate

Concen: 18.725 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

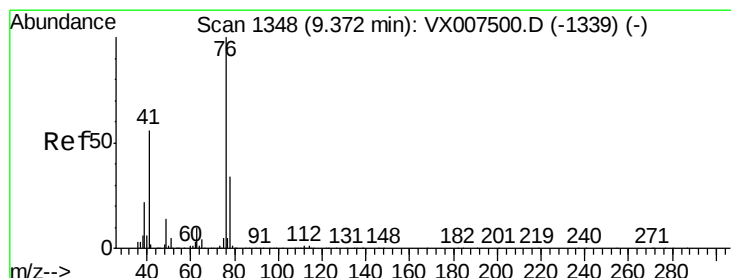
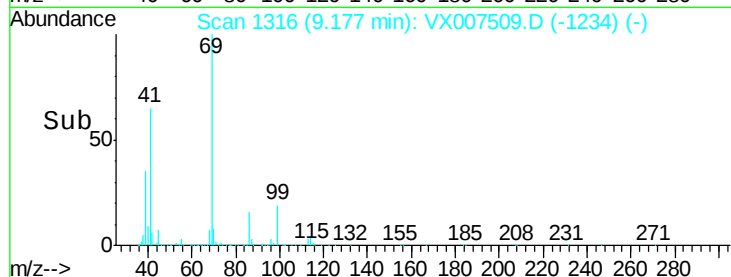
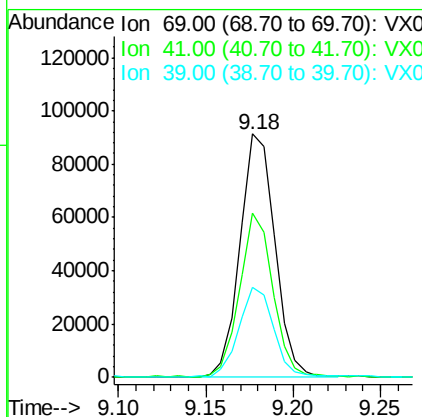
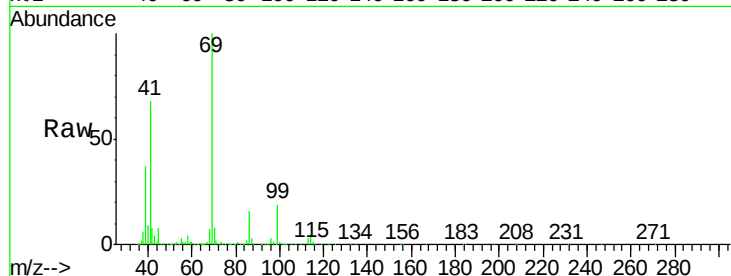
ClientSampleId :

VX0213WBSD01

Tot Ion:	69	Resp:	127474
Ion	Ratio	Lower	Upper
69	100		
41	67.3	32.1	96.5
39	36.7	18.8	56.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.317 ug/l

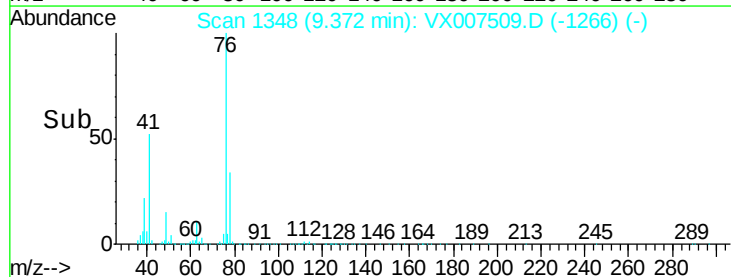
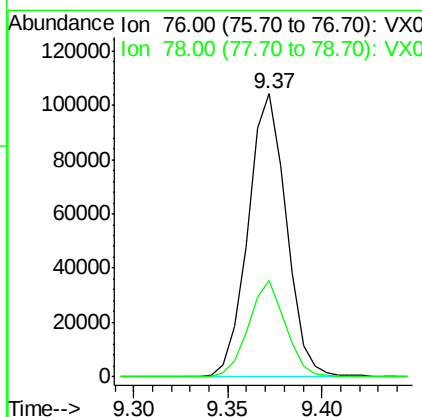
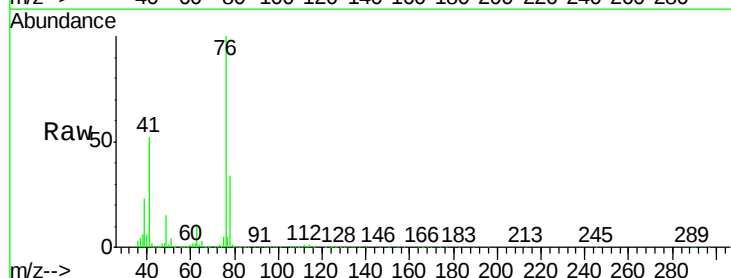
RT: 9.37 min Scan# 1348

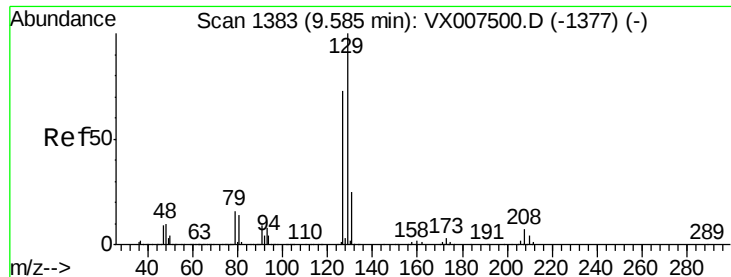
Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Tgt Ion:	76	Resp:	146313
Ion	Ratio	Lower	Upper
76	100		
78	32.7	0.0	65.2





#53

Dibromochloromethane

Concen: 18.468 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.01 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

ClientSampleId :

VX0213WBSD01

Tot Ion:129 Resp: 90201

Ion Ratio Lower Upper

129 100

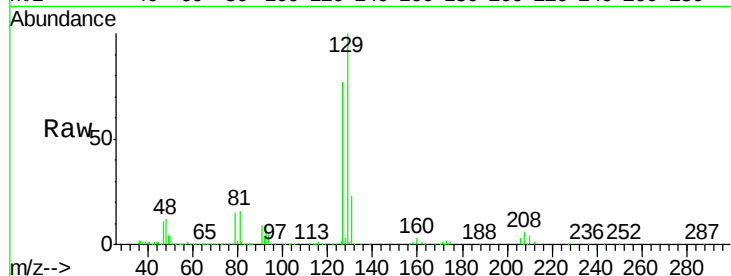
127 77.8 38.4 115.2

Manual Integrations

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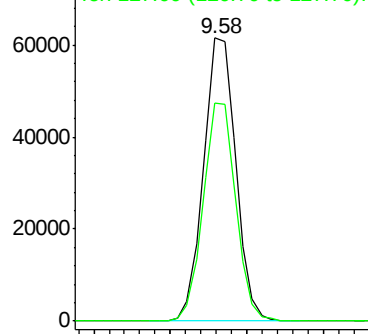
MMDadoda

2/13/2019 11:53:17 AM

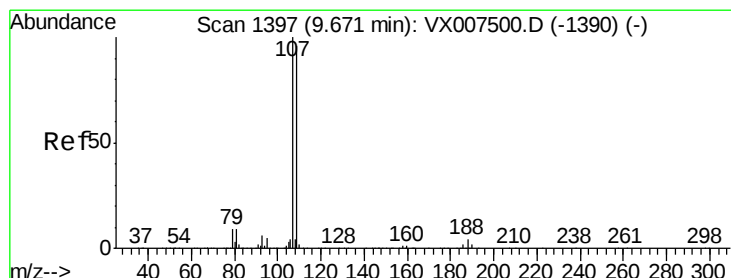
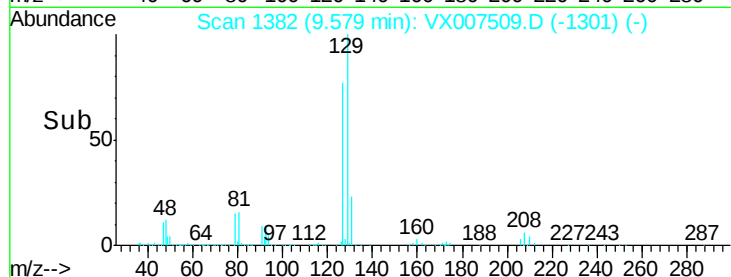


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#54

1,2-Dibromoethane

Concen: 19.384 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007509.D

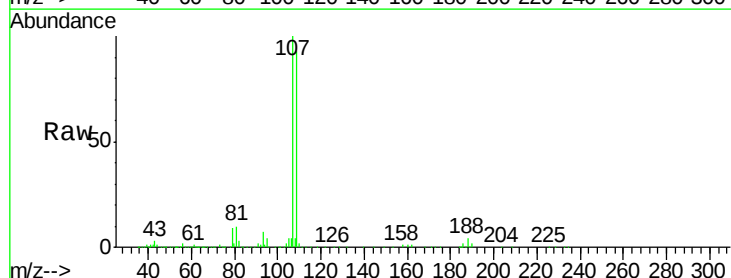
Acq: 13 Feb 2019 03:28

Tgt Ion:107 Resp: 99668

Ion Ratio Lower Upper

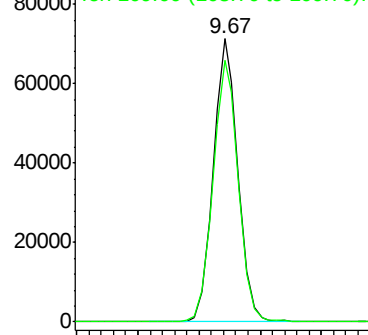
107 100

109 94.7 76.6 115.0

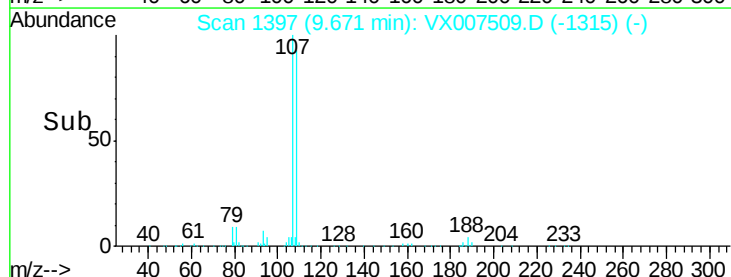


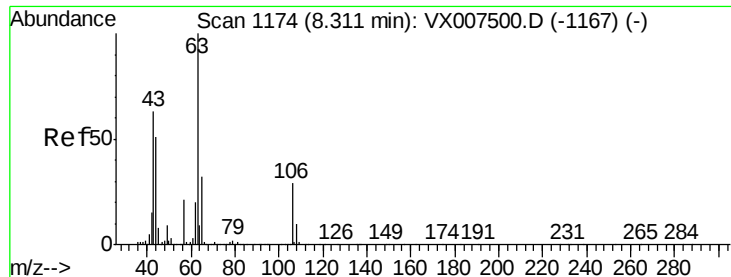
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->





#55

2-Chloroethyl vinyl ether

Concen: 97.978 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

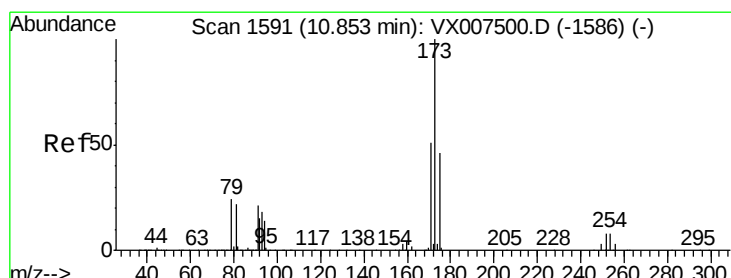
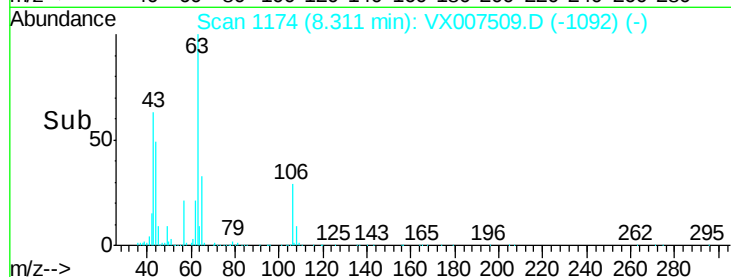
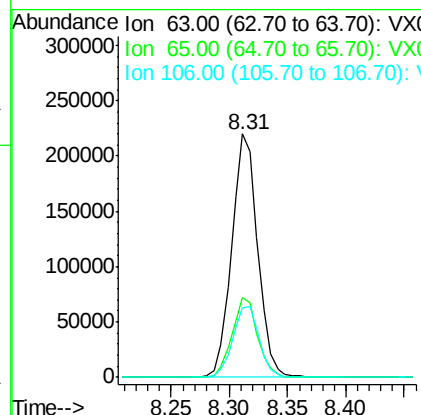
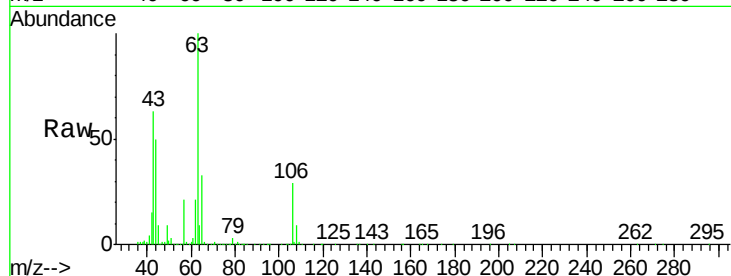
ClientSampleId :

VX0213WBSD01

Tot Ion:	63	Resp:	339110
Ion Ratio	Lower	Upper	
63	100		
65	32.3	25.7	38.5
106	29.9	23.7	35.5

Manual Integrations
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#56

Bromoform

Concen: 17.871 ug/l

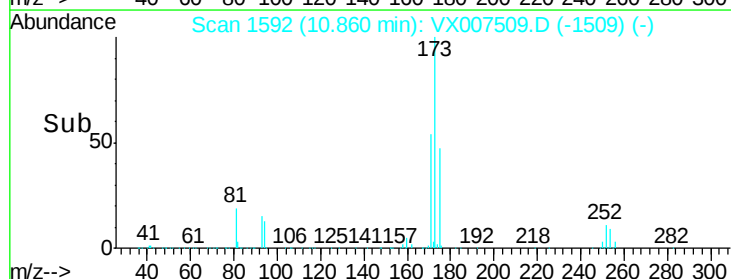
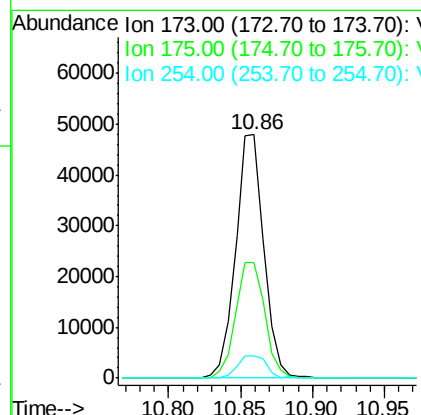
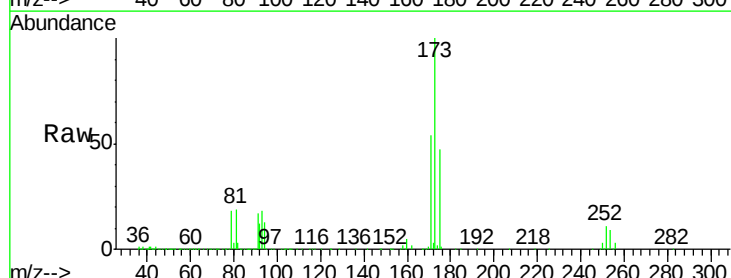
RT: 10.86 min Scan# 1592

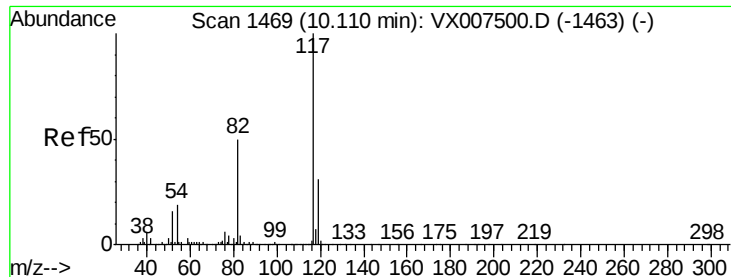
Delta R.T. 0.01 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Tgt Ion:	173	Resp:	65835
Ion Ratio	Lower	Upper	
173	100		
175	49.2	38.5	57.7
254	9.7	7.4	11.2





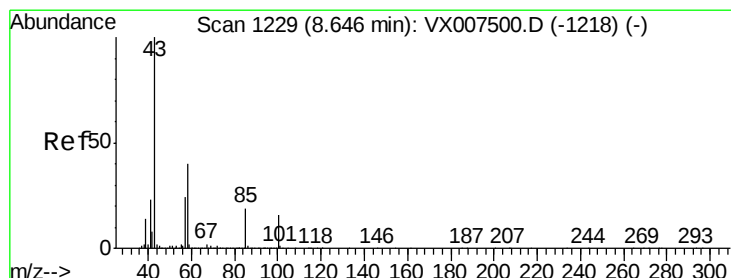
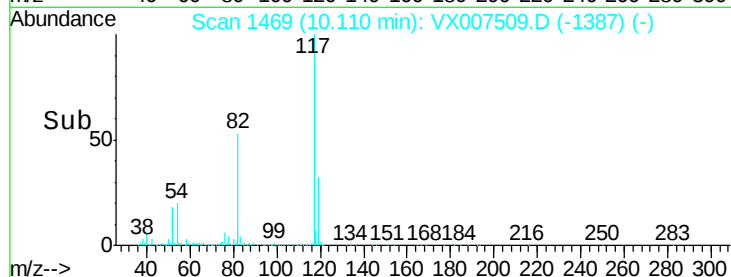
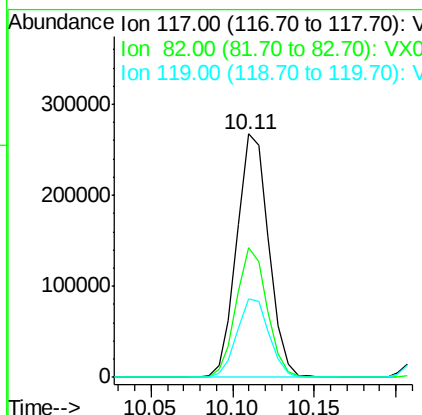
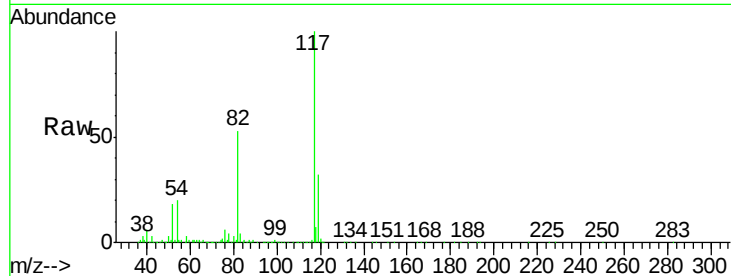
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Instrument :
MSVOA_X
ClientSampleId :
VX0213WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	40.4	60.6
119	32.4	25.8	38.6

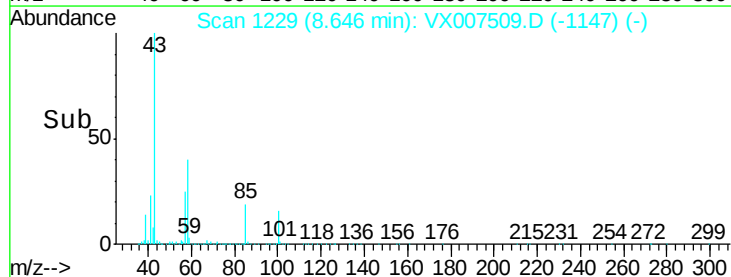
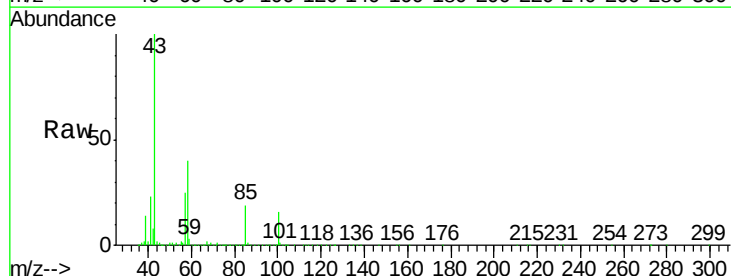
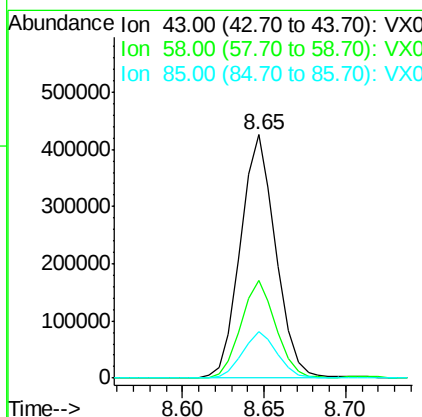
Manual Integrations
APPROVED

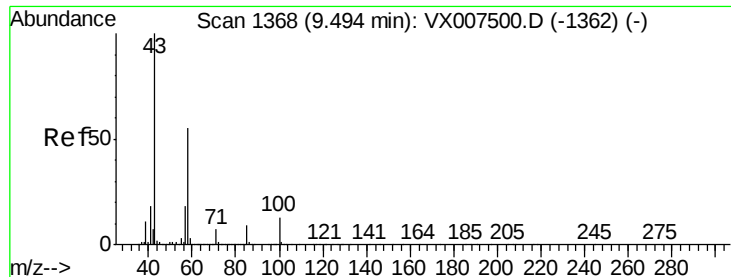
MMDadoda
2/13/2019 11:53:17 AM



#58
4-Methyl-2-Pentanone
Concen: 97.088 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.4	47.0
85	19.0	15.0	22.6





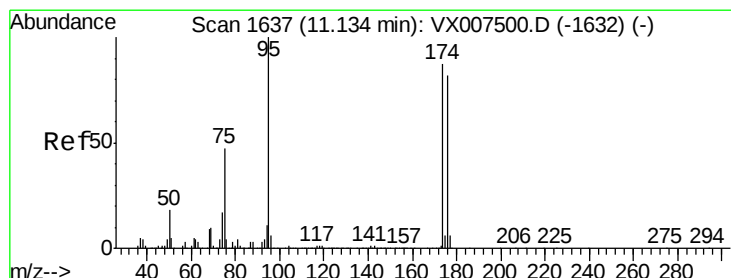
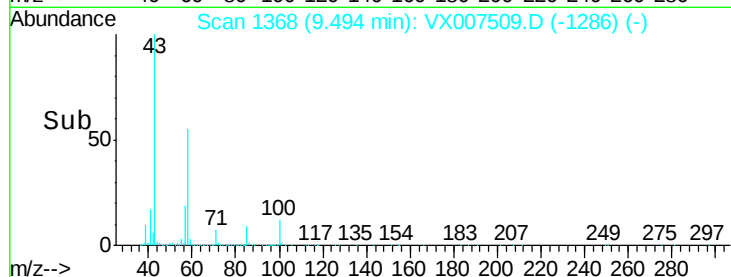
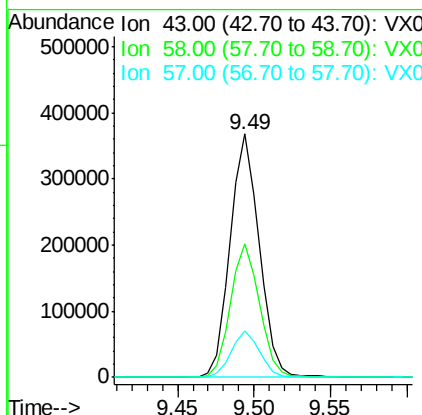
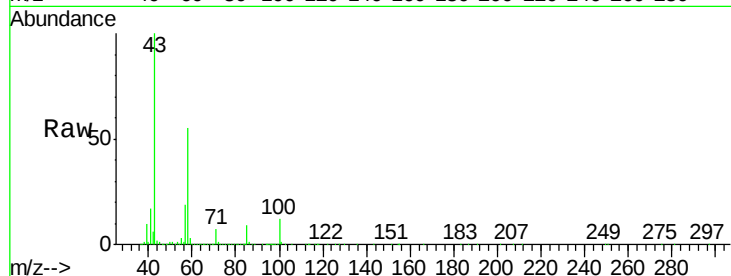
#59
2-Hexanone
Concen: 97.201 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Instrument :
MSVOA_X
ClientSampleId :
VX0213WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	43.9	65.9
57	18.9	14.9	22.3

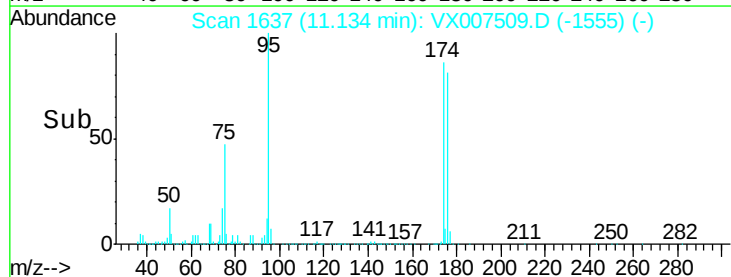
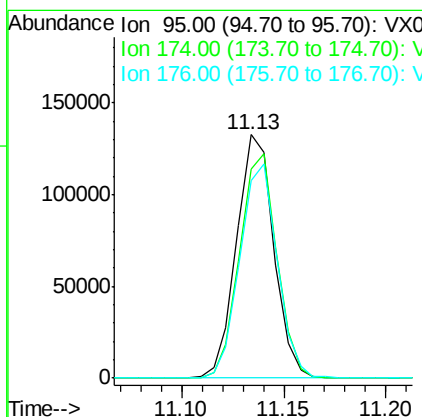
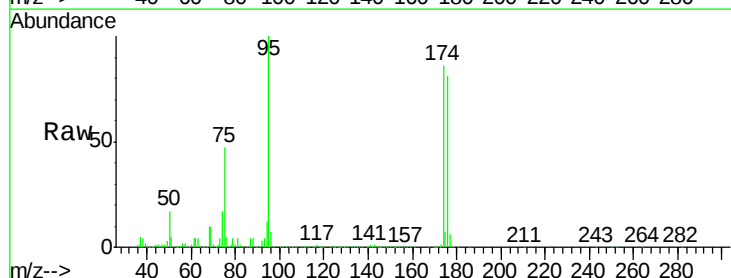
Manual Integrations
APPROVED

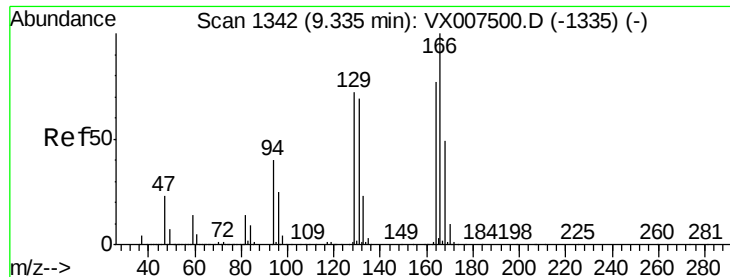
MMDadoda
2/13/2019 11:53:17 AM



#60
4-Bromofluorobenzene
Concen: 30.030 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.4	74.9	112.3
176	88.8	70.7	106.1





#61

Tetrachloroethene

Concen: 19.423 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

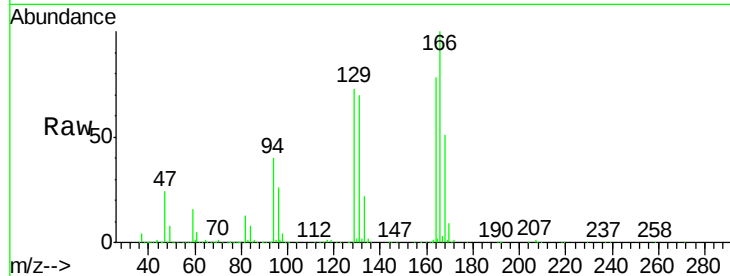
ClientSampleId :

VX0213WBSD01

Tot Ion:	164	Resp:	100674
Ion	Ratio	Lower	Upper
164	100		
166	127.7	103.9	155.9
129	92.6	74.7	112.1
131	88.9	71.7	107.5

Manual Integrations
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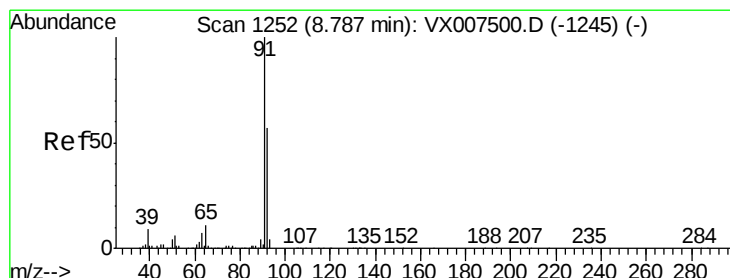
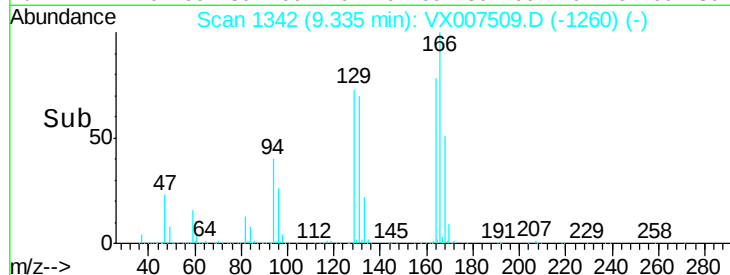
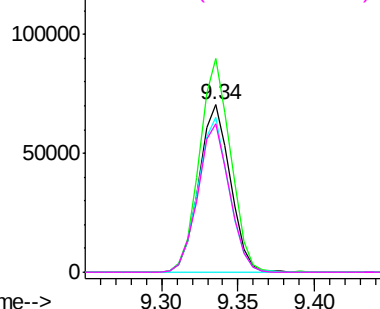


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.018 ug/l

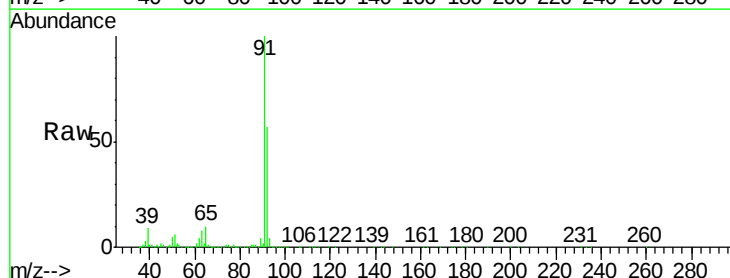
RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007509.D

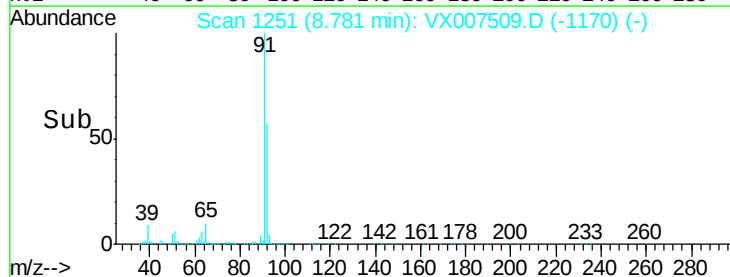
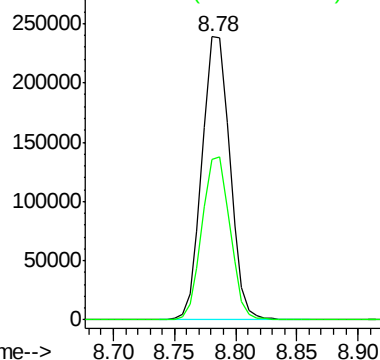
Acq: 13 Feb 2019 03:28

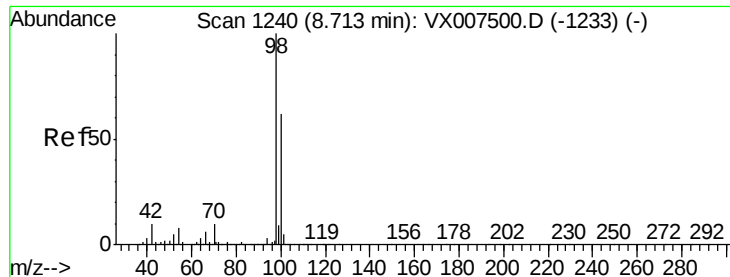
Tgt Ion:	91	Resp:	378174
Ion	Ratio	Lower	Upper
91	100		
92	57.7	46.4	69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.844 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

ClientSampleId :

VX0213WBSD01

Tot Ion: 98 Resp: 492518

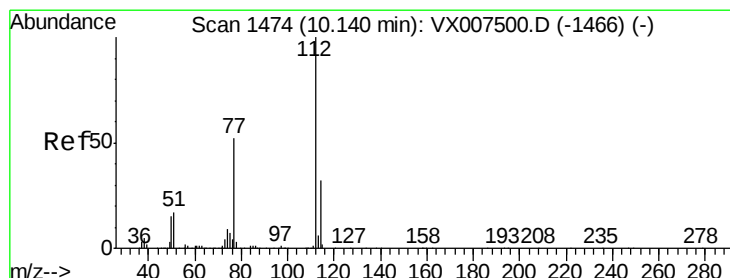
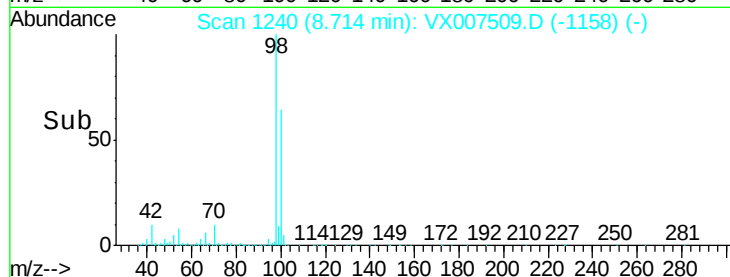
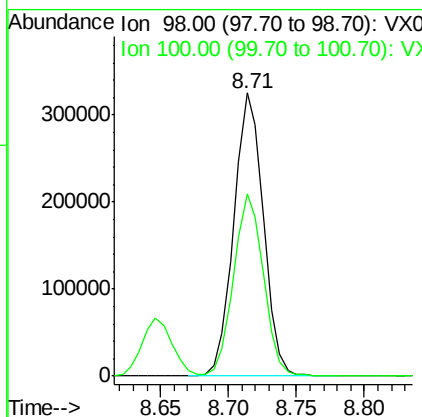
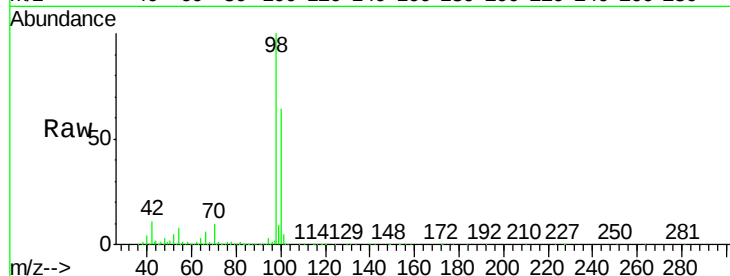
Ion Ratio Lower Upper

98 100

100 64.6 50.9 76.3

Manual Integrations
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#64

Chlorobenzene

Concen: 19.205 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007509.D

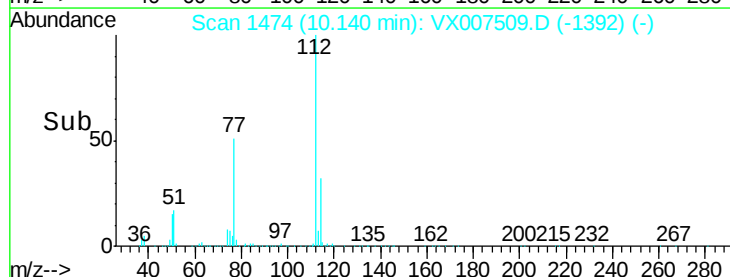
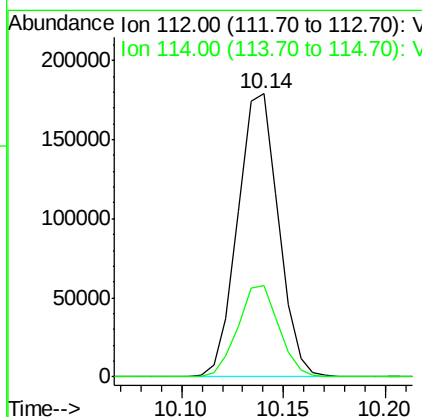
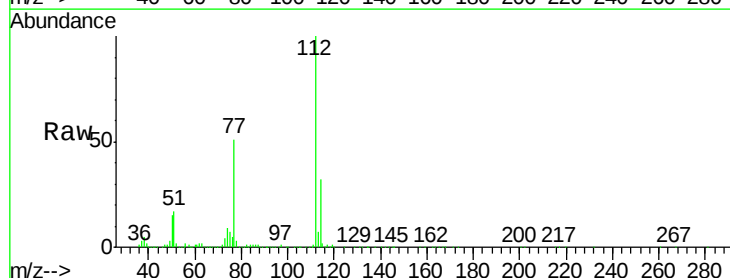
Acq: 13 Feb 2019 03:28

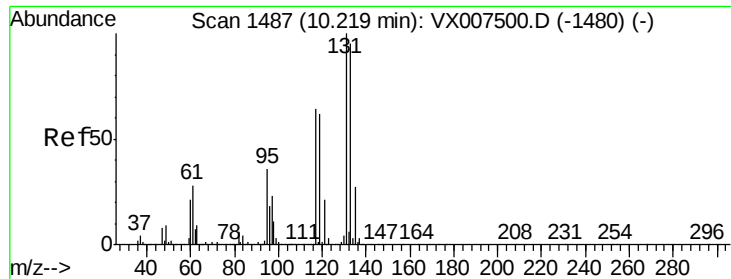
Tgt Ion: 112 Resp: 248180

Ion Ratio Lower Upper

112 100

114 32.1 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 18.938 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

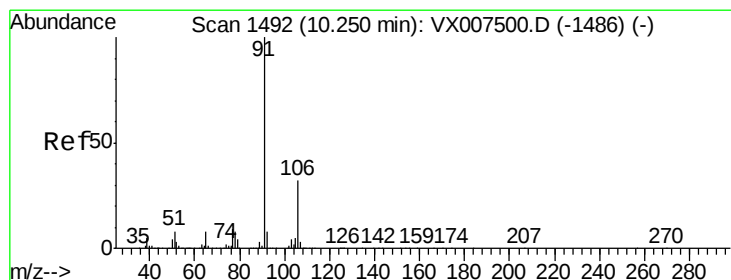
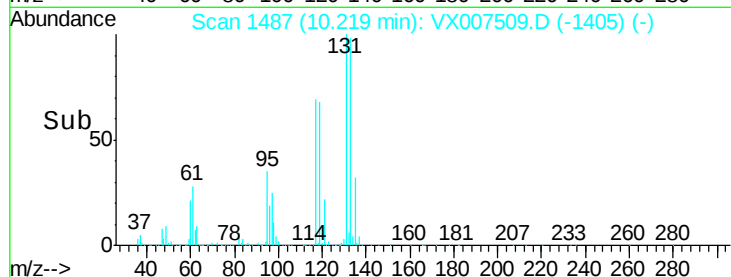
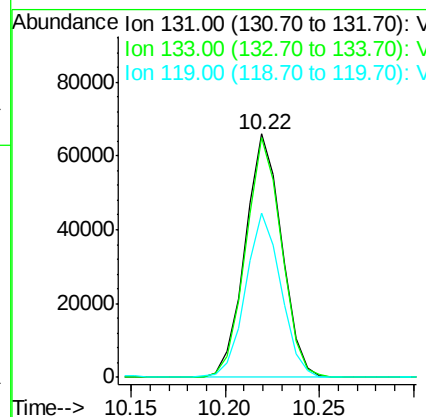
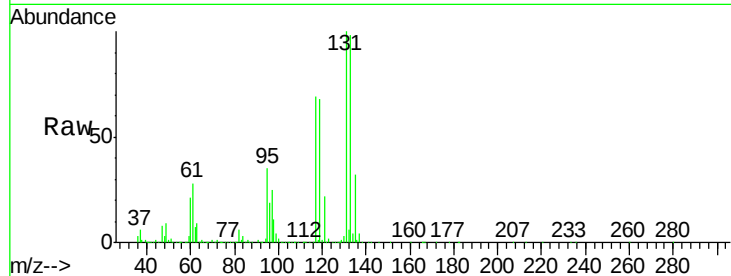
ClientSampleId :

VX0213WBSD01

Tot Ion:	131	Resp:	88641
Ion Ratio	Lower	Upper	
131	100		
133	96.6	0.0	191.6
119	65.3	0.0	127.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.933 ug/l

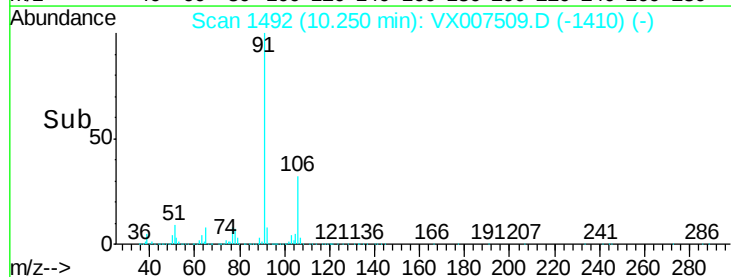
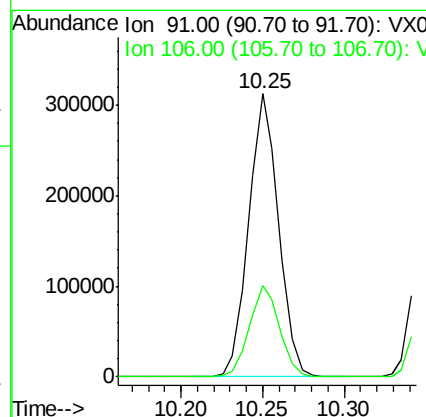
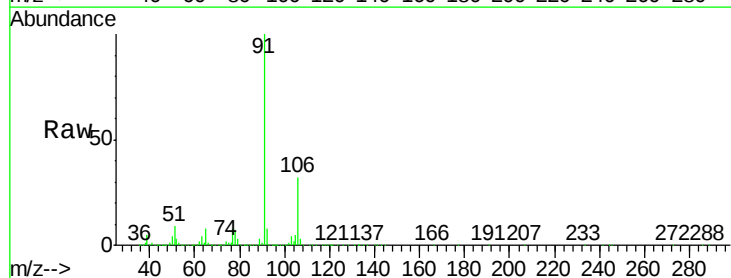
RT: 10.25 min Scan# 1492

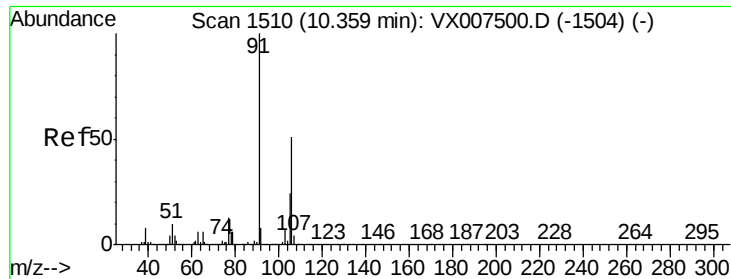
Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Tgt Ion:	91	Resp:	399514
Ion Ratio	Lower	Upper	
91	100		
106	32.4	26.0	39.0





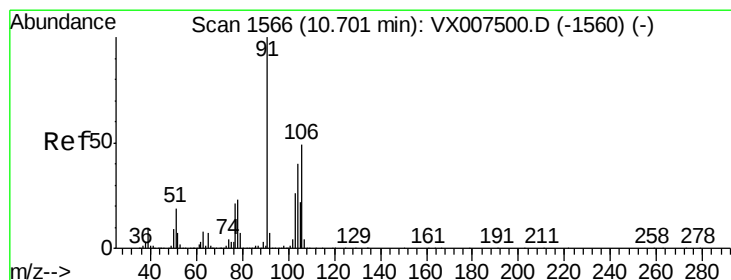
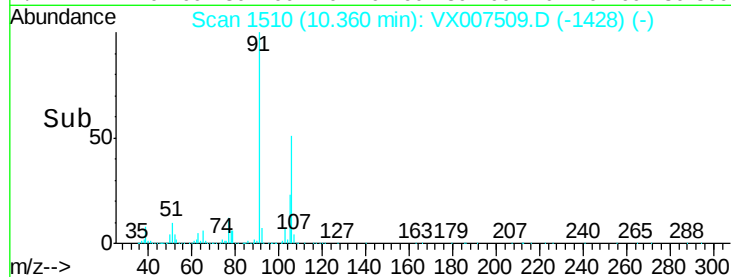
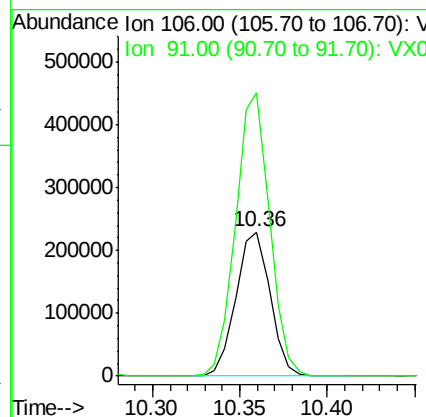
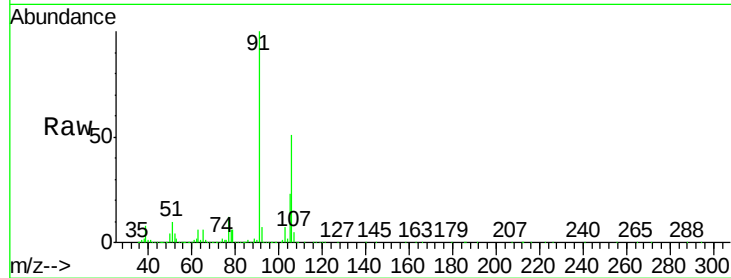
#67
m/p-Xylenes
Concen: 37.773 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Instrument :
MSVOA_X
ClientSampleId :
VX0213WBSD01

Tot Ion:106 Resp: 312629
Ion Ratio Lower Upper
106 100
91 194.3 157.0 235.4

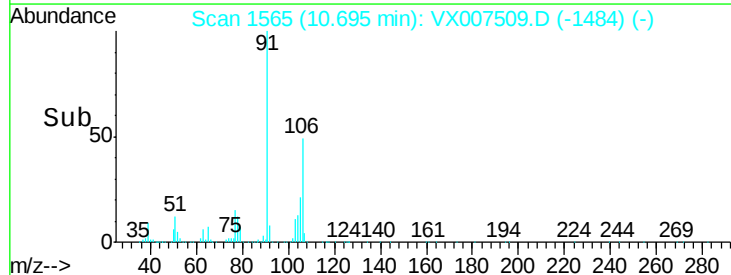
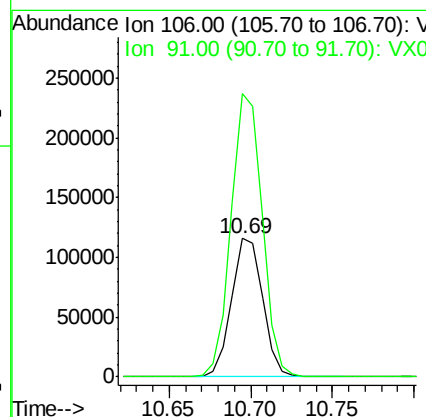
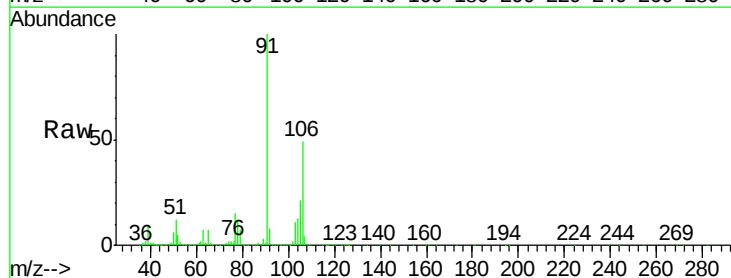
Manual Integrations
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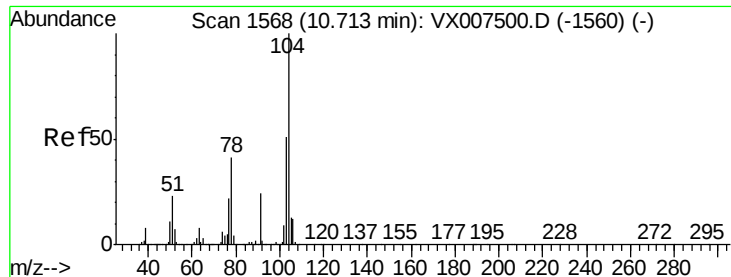
MMDadoda
2/13/2019 11:53:17 AM



#68
o-Xylene
Concen: 19.115 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Tgt Ion:106 Resp: 154298
Ion Ratio Lower Upper
106 100
91 203.6 104.4 313.2





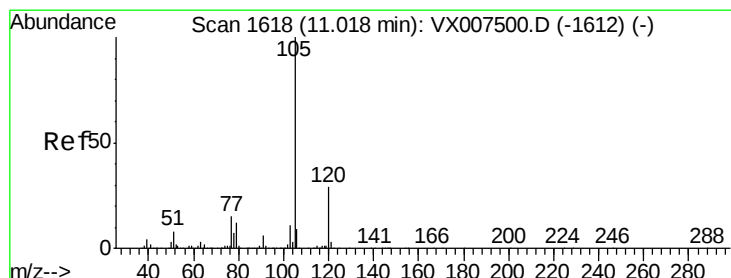
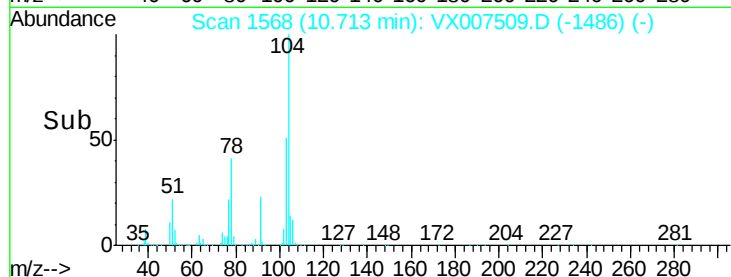
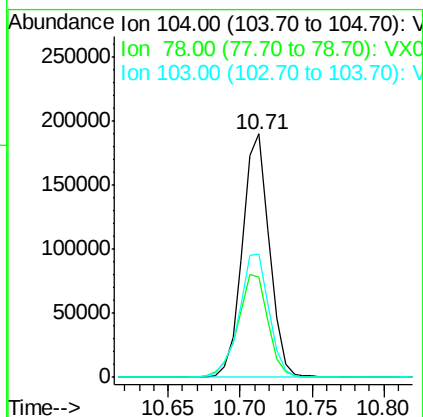
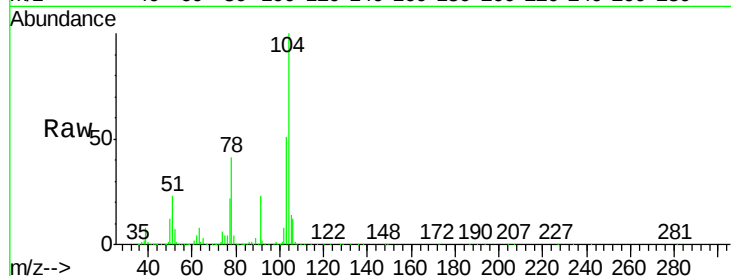
#69
Stvrene
Concen: 18.906 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Instrument :
MSVOA_X
ClientSampleId :
VX0213WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.4	38.2	57.2
103	56.1	45.0	67.4

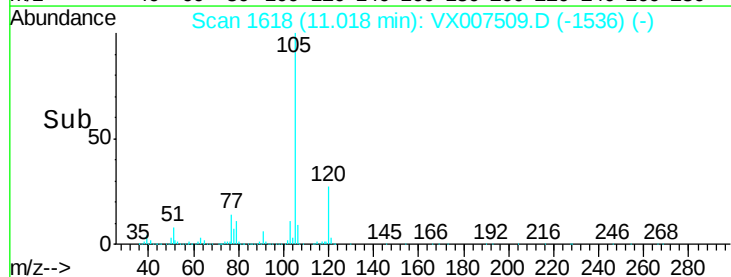
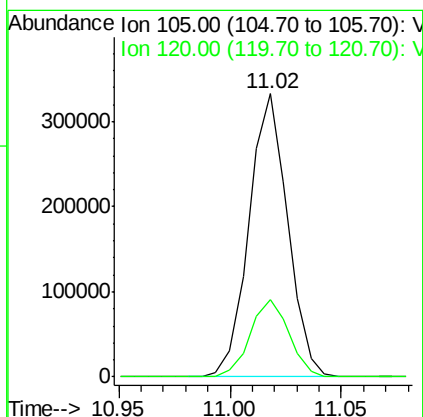
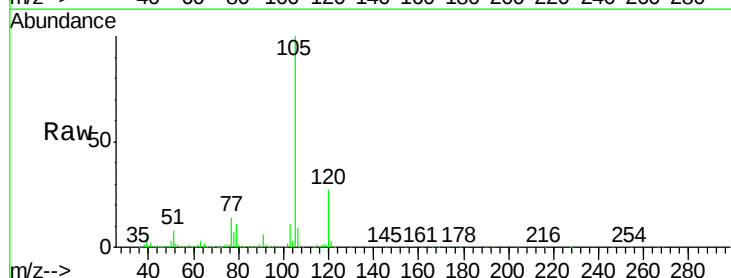
Manual Integrations
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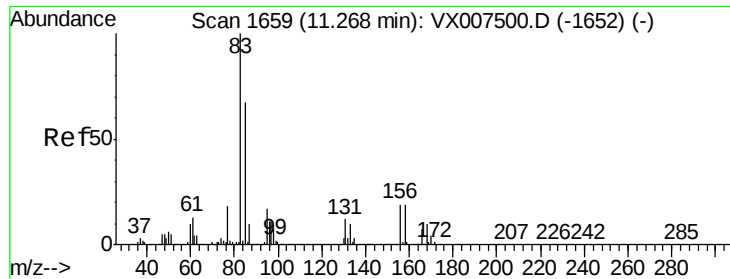
MMDadoda
2/13/2019 11:53:17 AM



#70
Isopropylbenzene
Concen: 18.942 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.5	19.8	36.8





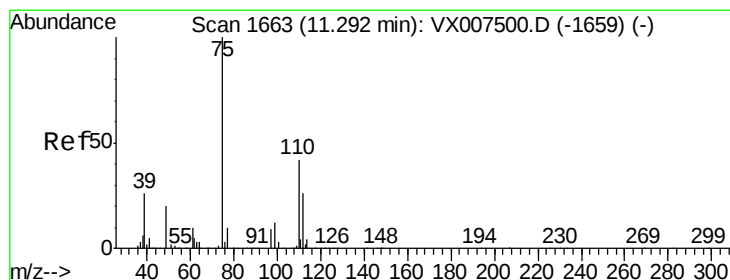
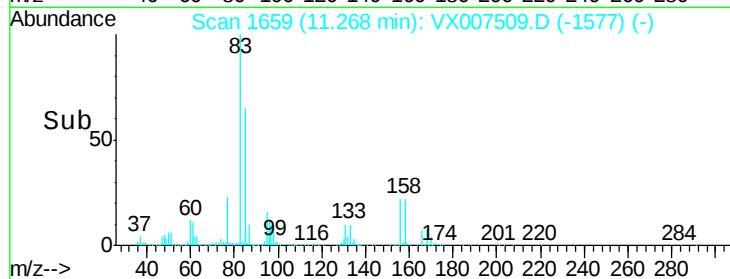
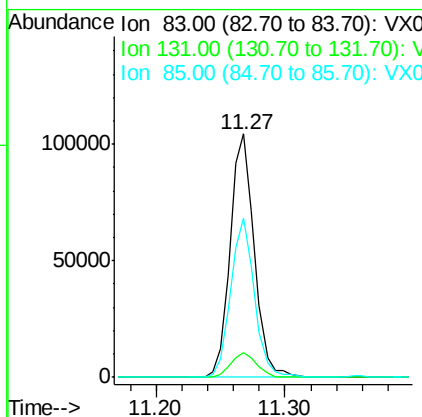
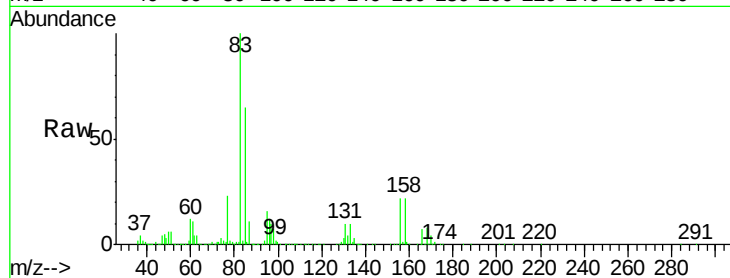
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.467 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX007509.D
 Acq: 13 Feb 2019 03:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0213WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	137041		
131	10.7	5.4	16.2	
85	64.9	32.8	98.4	

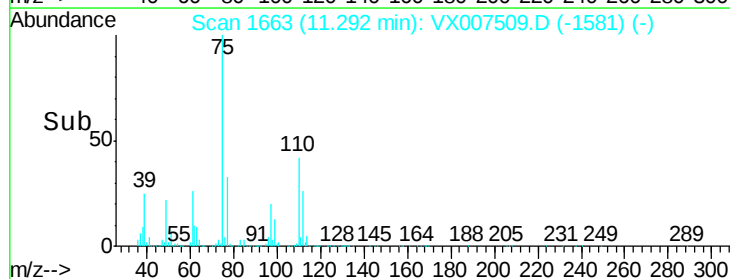
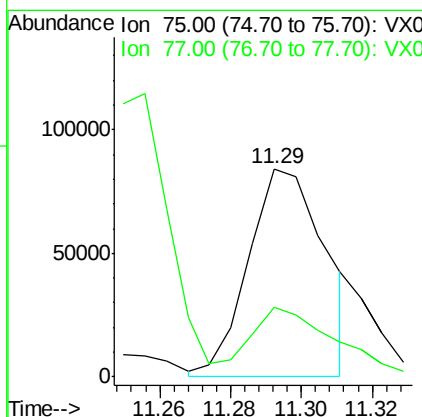
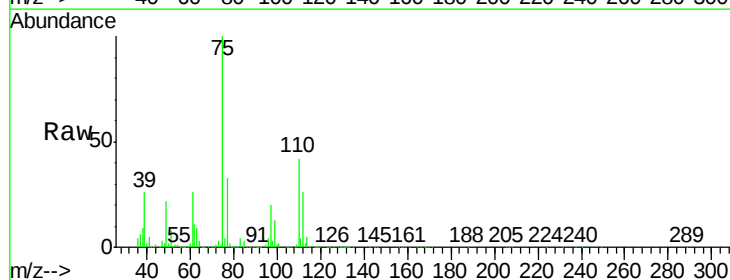
Manual Integrations
 APPROVED

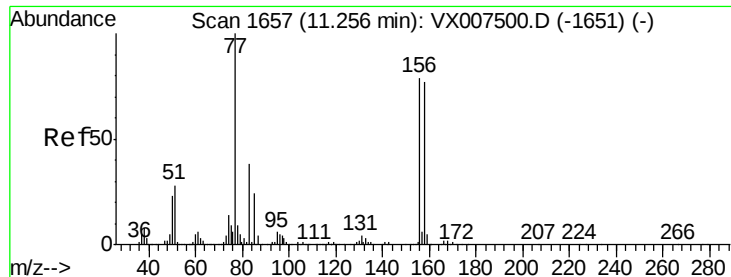
MMDadoda
 2/13/2019 11:53:17 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.541 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX007509.D
 Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	125777		
77	37.3	0.0	76.4	





#73

Bromobenzene

Concen: 18.911 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

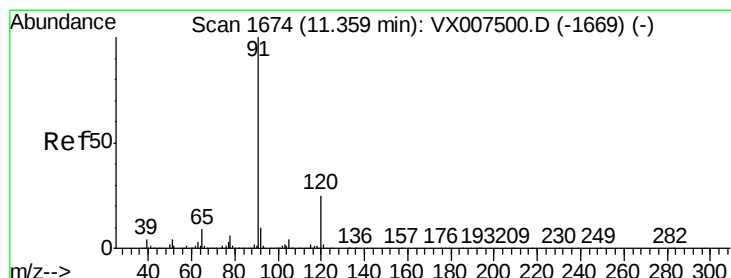
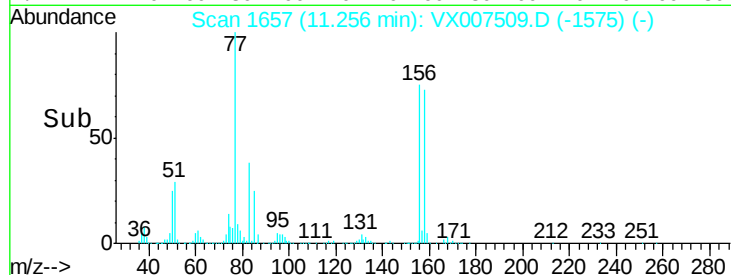
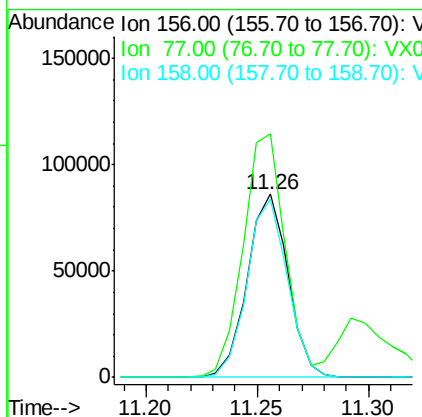
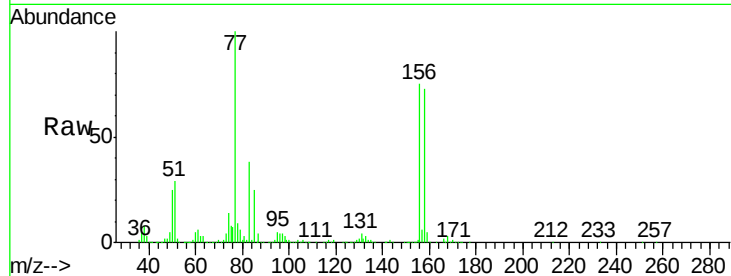
ClientSampleId :

VX0213WBSD01

Tot Ion:	156	Resp:	109955
Ion Ratio	Lower	Upper	
156	100		
77	136.3	0.0	271.4
158	96.6	0.0	194.0

Manual Integrations
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#74

n-propylbenzene

Concen: 18.472 ug/l

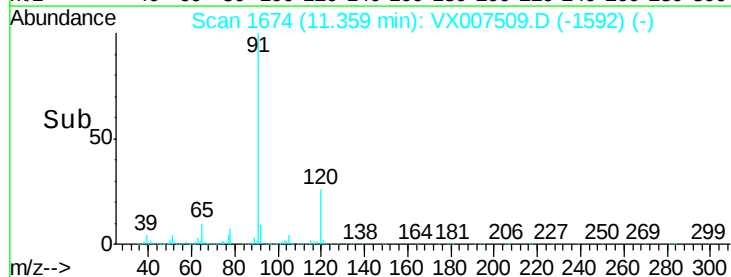
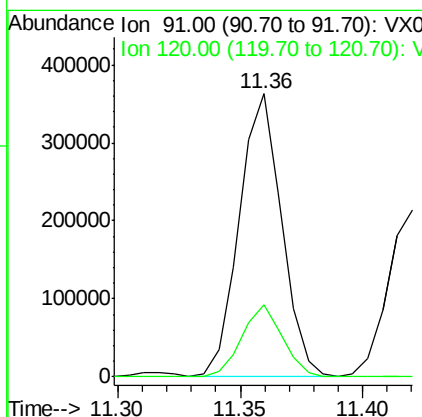
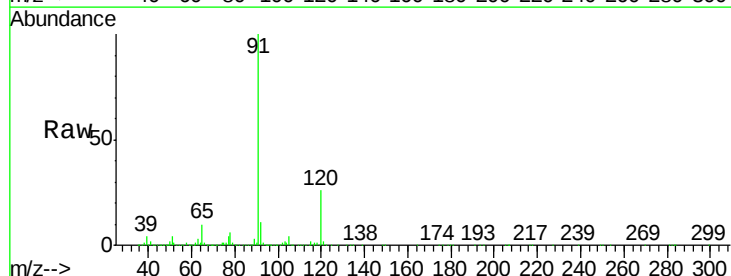
RT: 11.36 min Scan# 1674

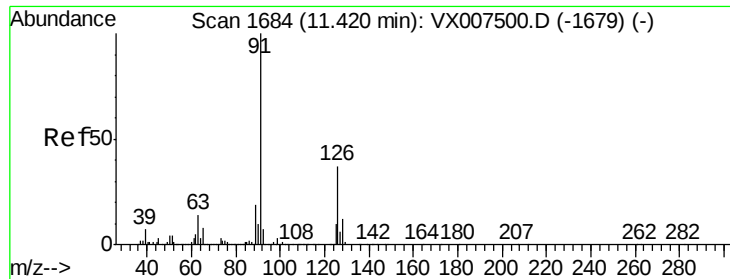
Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Tgt Ion:	91	Resp:	436790
Ion Ratio	Lower	Upper	
91	100		
120	24.5	0.0	48.6





#75

2-Chlorotoluene

Concen: 18.969 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

ClientSampleId :

VX0213WBSD01

Tot Ion: 91 Resp: 268184

Ion Ratio Lower Upper

91 100

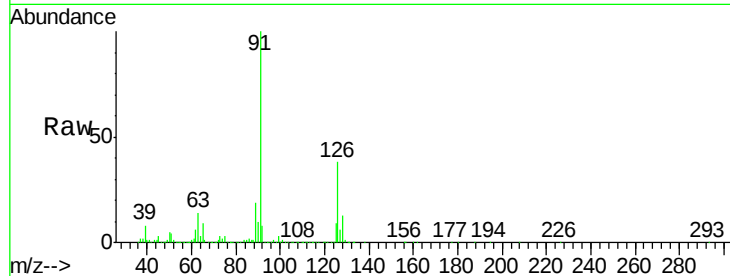
126 36.6 0.0 75.2

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Abundance Ion 91.00 (90.70 to 91.70): VX007500.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX007500.D (-1679) (-)

400000

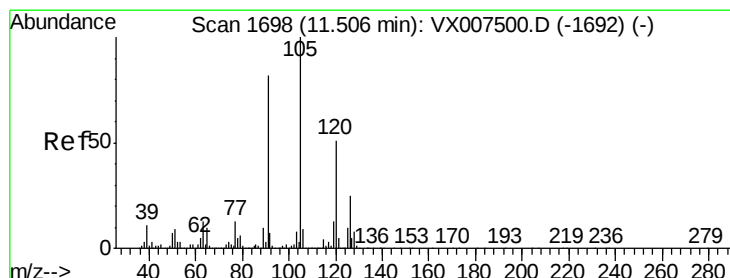
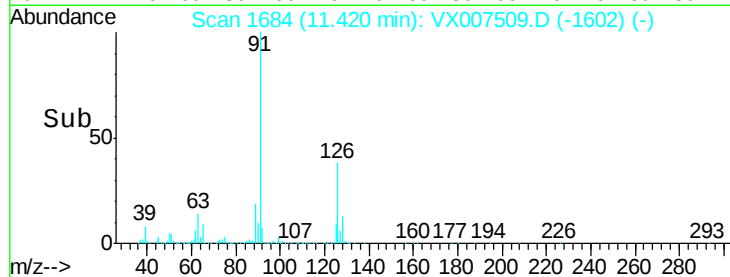
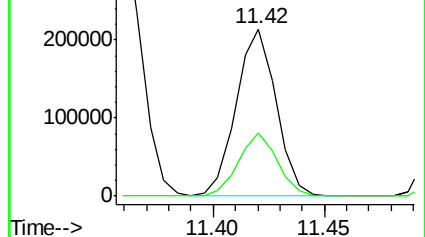
300000

200000

100000

0

11.40 11.42 11.45



#76

1,3,5-Trimethylbenzene

Concen: 18.733 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007509.D

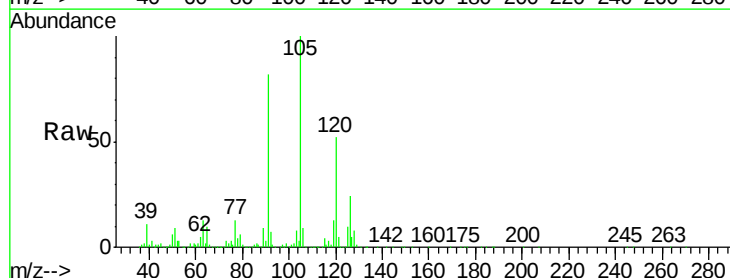
Acq: 13 Feb 2019 03:28

Tgt Ion: 105 Resp: 325654

Ion Ratio Lower Upper

105 100

120 50.9 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX007500.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007500.D (-1692) (-)

300000

250000

200000

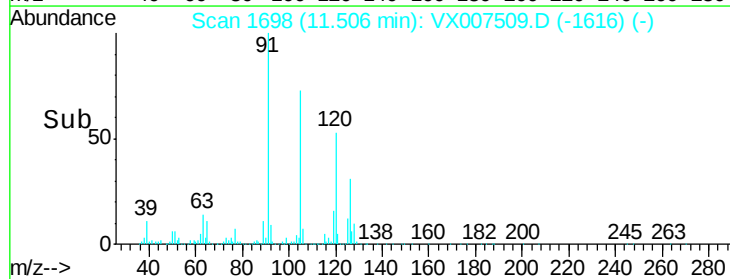
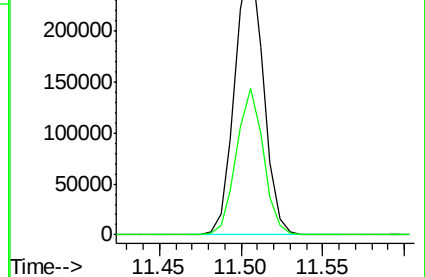
150000

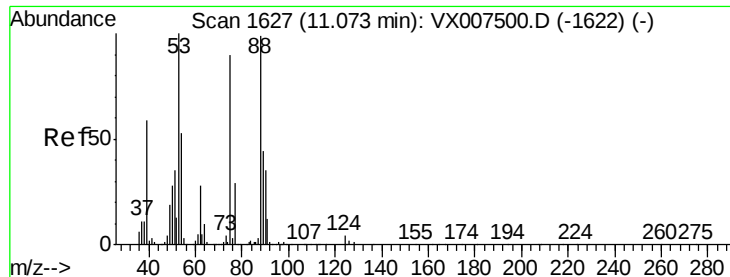
100000

50000

0

11.45 11.50 11.55





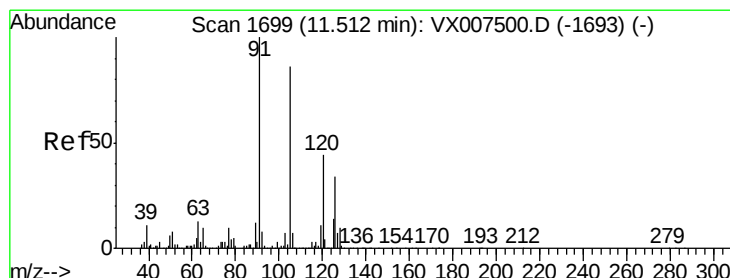
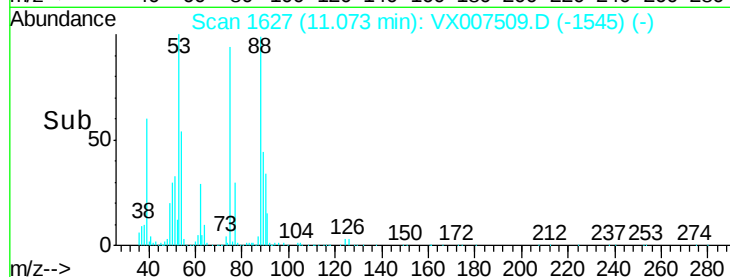
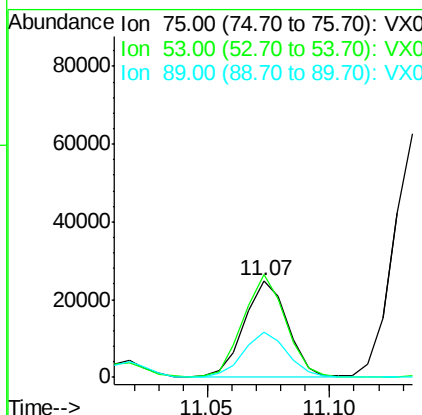
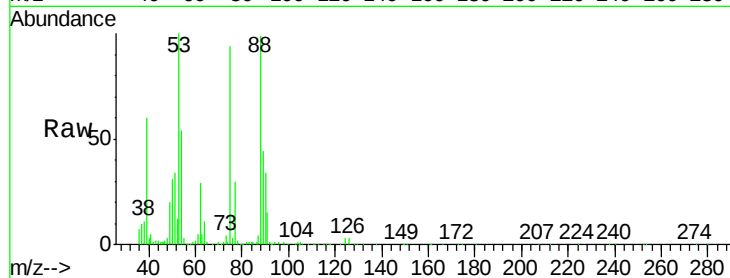
#77
t-1,4-Dichloro-2-butene
Concen: 16.677 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Instrument :
MSVOA_X
ClientSampleId :
VX0213WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.9	55.5	166.7
89	47.2	24.4	73.2

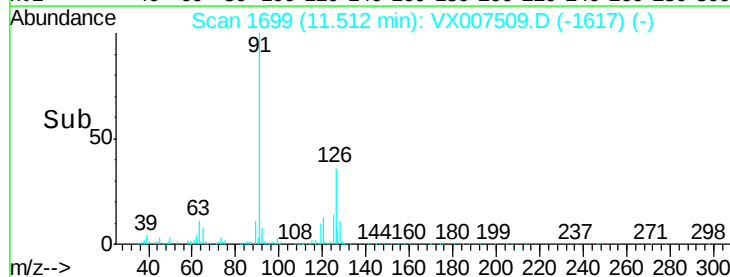
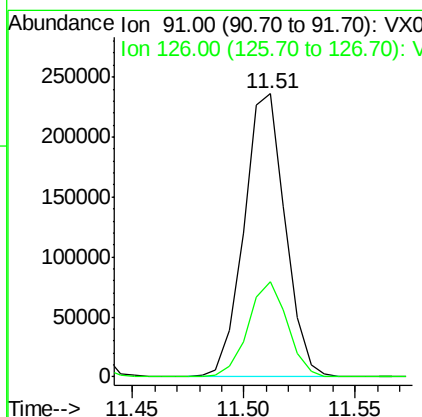
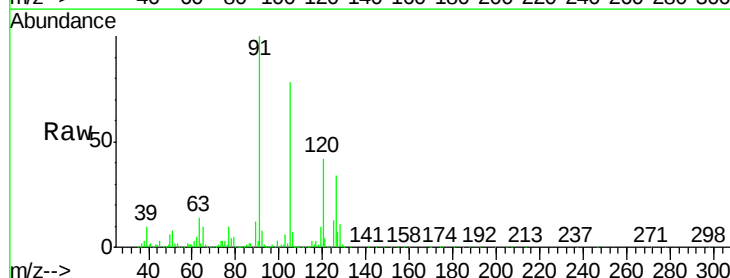
Manual Integrations
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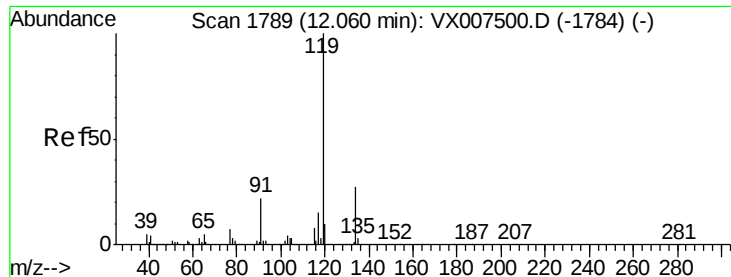
MMDadoda
2/13/2019 11:53:17 AM



#78
4-Chlorotoluene
Concen: 18.856 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	0.0	66.2





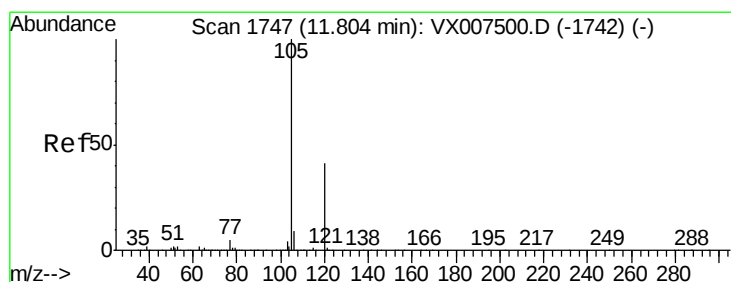
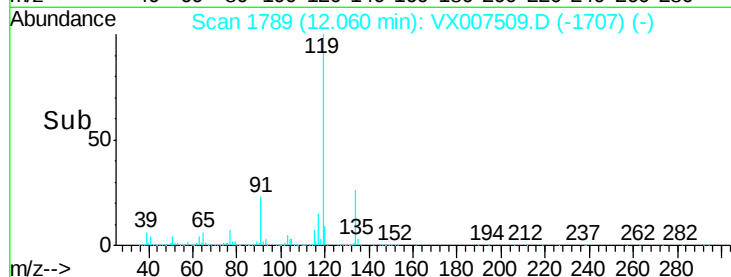
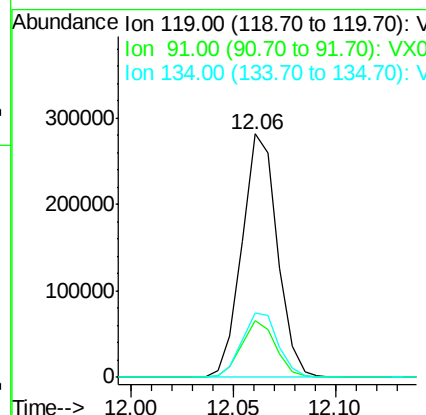
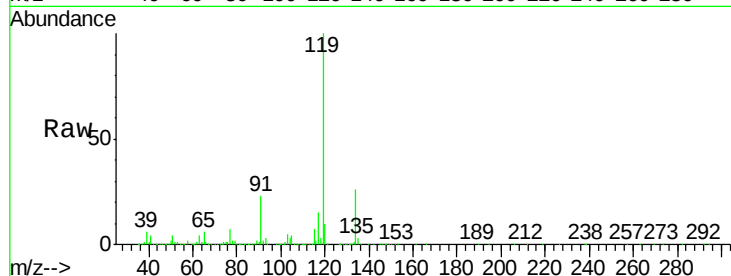
#79
tert-butylbenzene
Concen: 18.386 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Instrument :
MSVOA_X
ClientSampleId :
VX0213WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	339393		
91	22.5	0.0	45.0	
134	27.0	0.0	55.4	

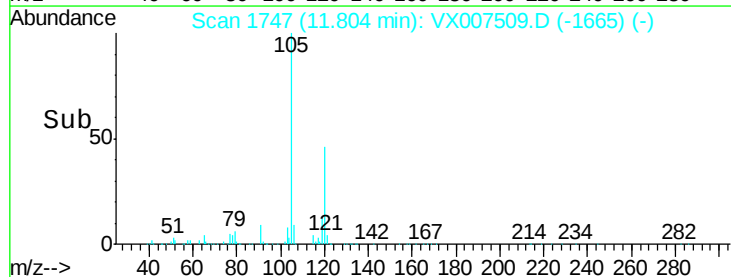
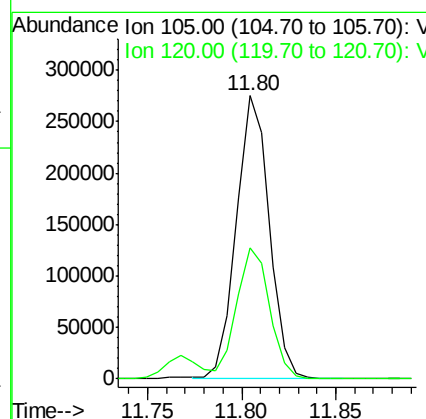
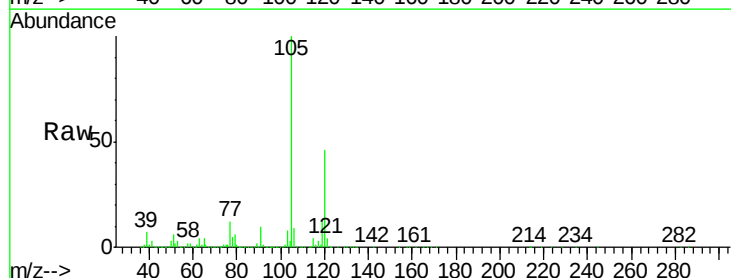
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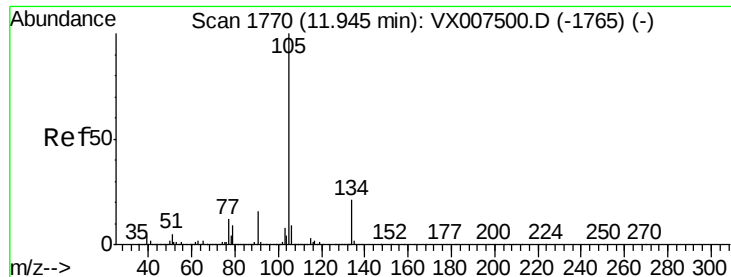
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 18.834 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	332361		
120	46.1	0.0	94.0	





#81

sec-Butylbenzene

Concen: 18.213 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Instrument :

MSVOA_X

ClientSampled :

VX0213WBSD01

Tot Ion:105 Resp: 378097

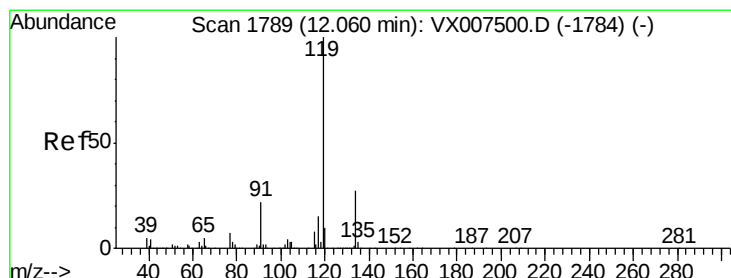
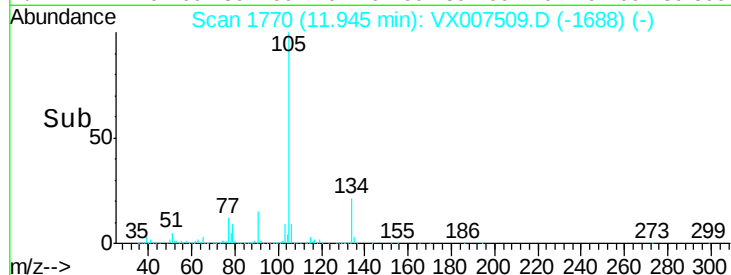
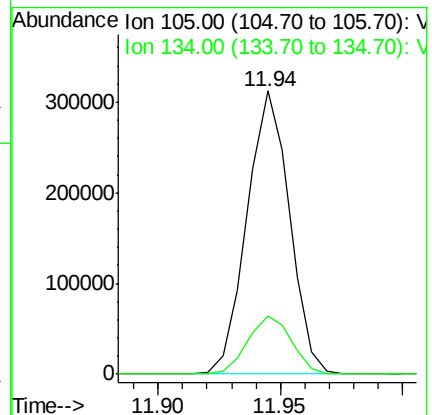
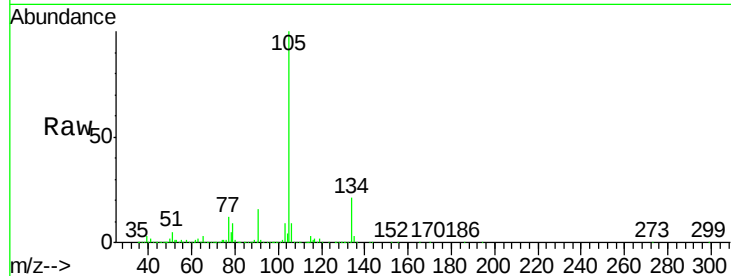
Ion Ratio Lower Upper

105 100

134 21.2 0.0 41.8

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#82

p-Isopropyltoluene

Concen: 18.386 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

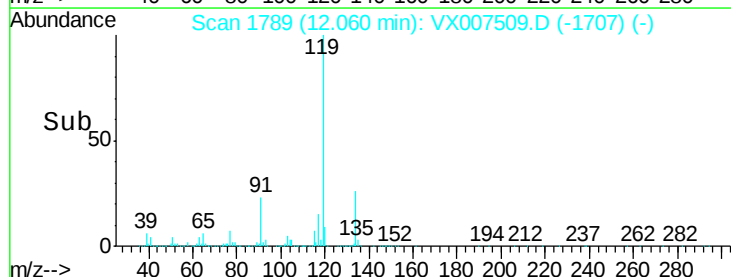
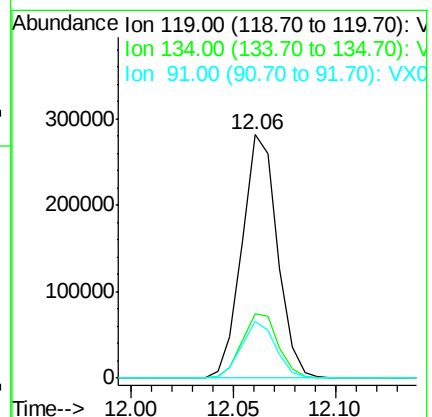
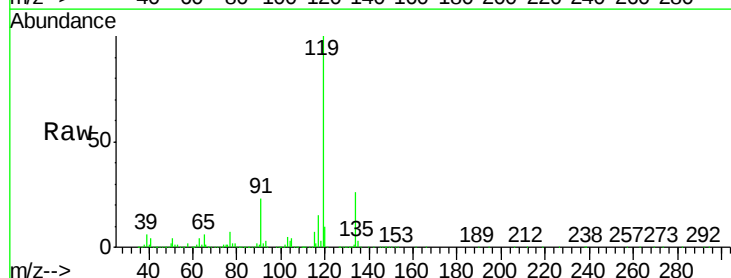
Tgt Ion:119 Resp: 339393

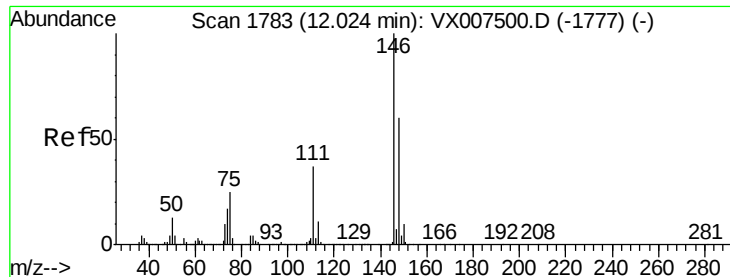
Ion Ratio Lower Upper

119 100

134 27.0 0.0 55.4

91 22.5 0.0 45.0





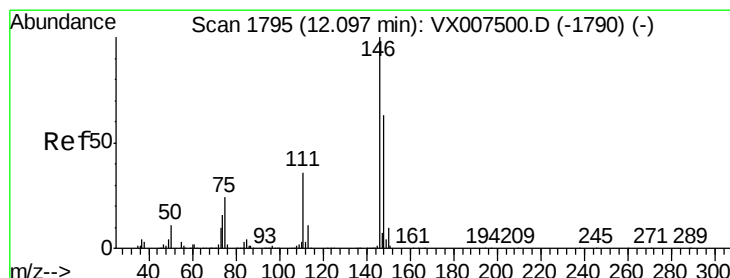
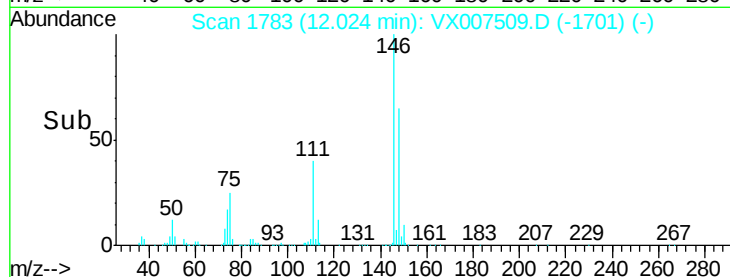
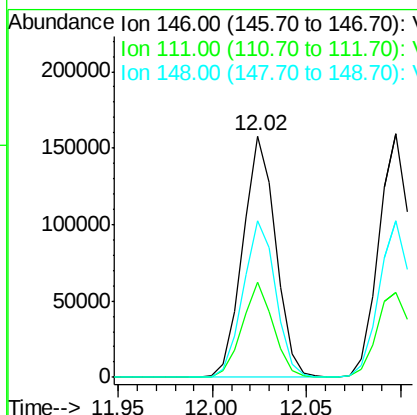
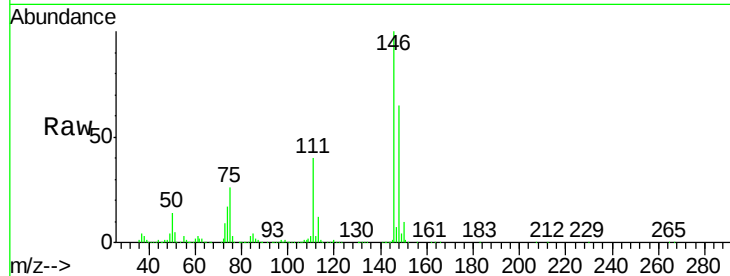
#83
 1,3-Dichlorobenzene
 Concen: 18.707 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007509.D
 Acq: 13 Feb 2019 03:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0213WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	64.2	30.6	91.8

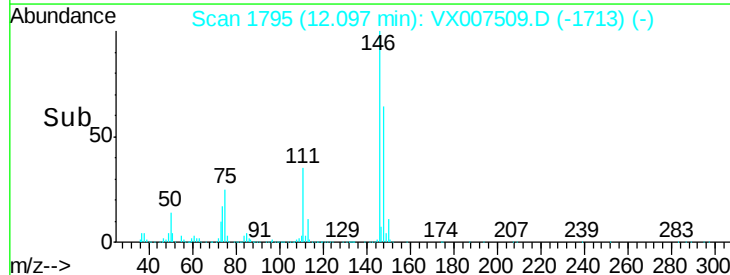
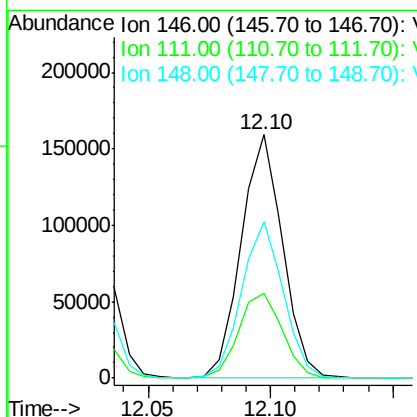
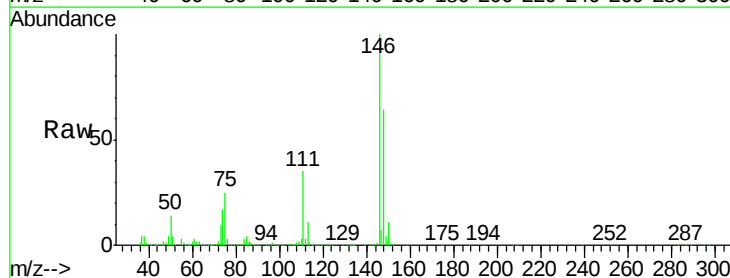
Manual Integrations
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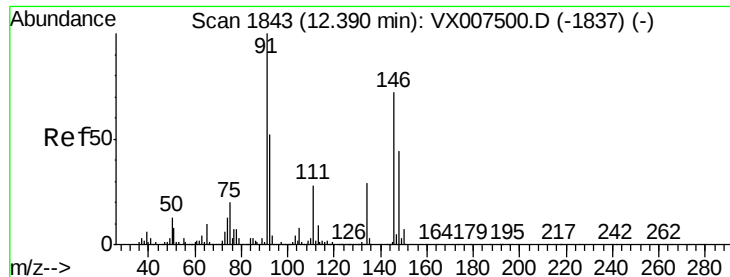
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 2/13/2019 11:53:17 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.422 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007509.D
 Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	17.6	52.8
148	64.5	31.4	94.2





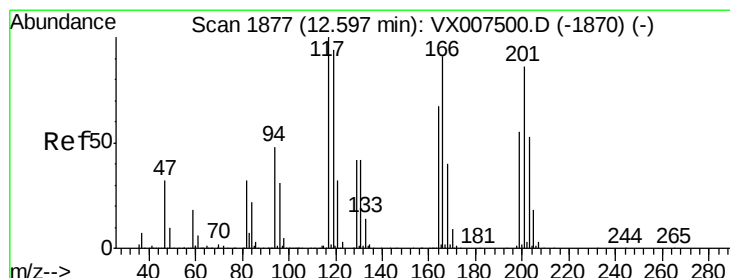
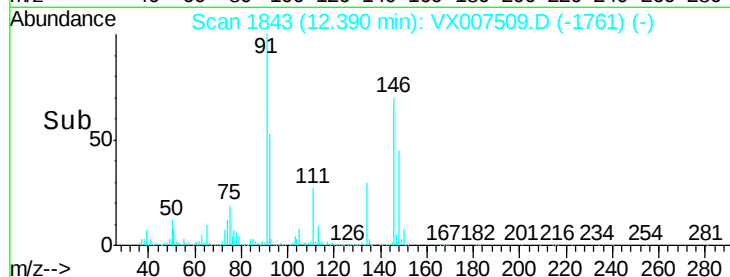
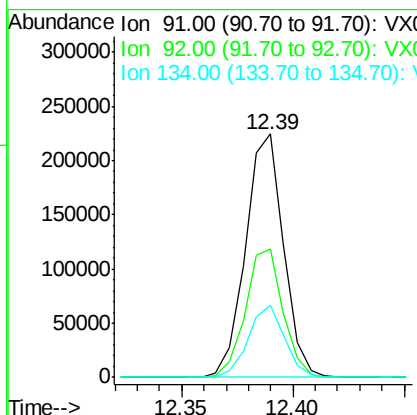
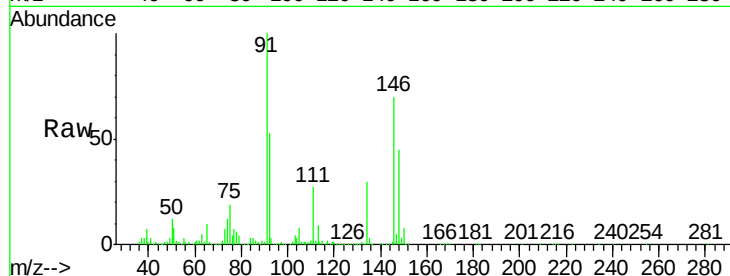
#85
n-Butylbenzene
Concen: 17.395 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Instrument :
MSVOA_X
ClientSampleId :
VX0213WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	266450		
92	52.3	0.0	105.2	
134	28.6	0.0	56.4	

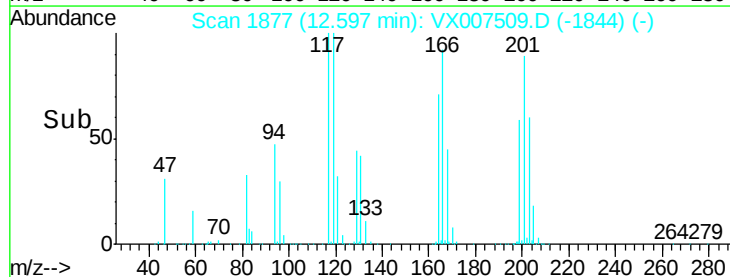
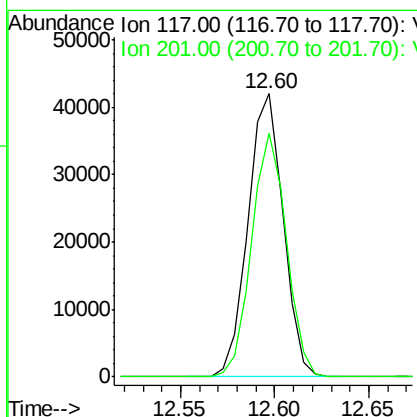
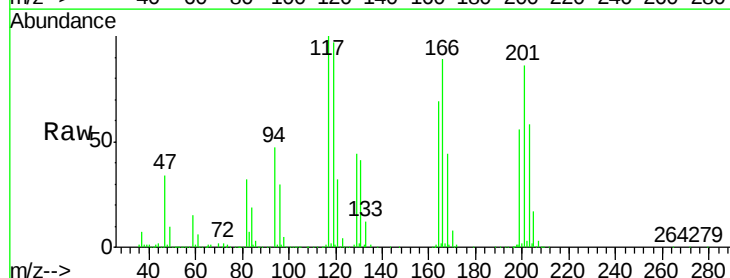
Manual Integrations
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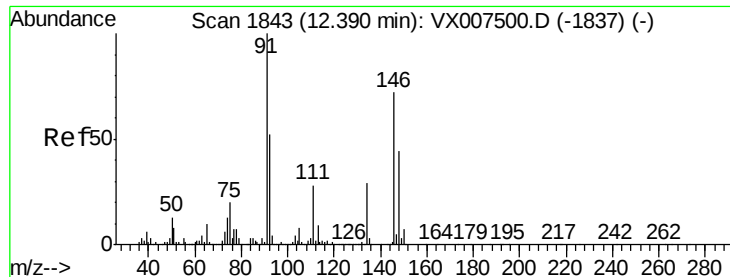
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2/13/2019 11:53:17 AM



#86
Hexachloroethane
Concen: 17.720 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	54307		
201	85.0	41.1	123.3	





#87

1,2-Dichlorobenzene

Concen: 18.929 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

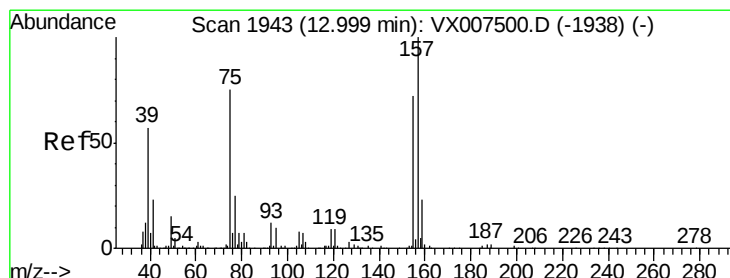
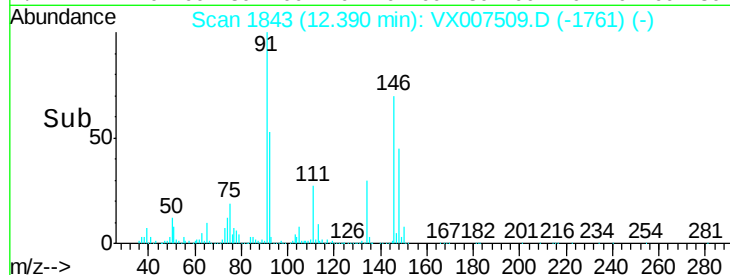
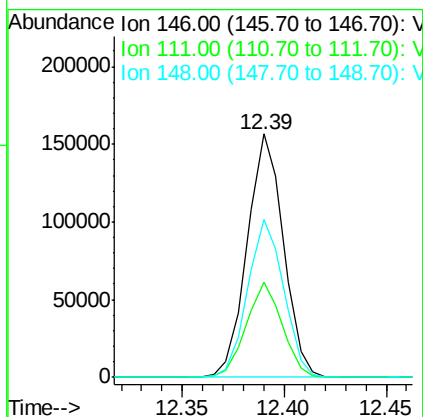
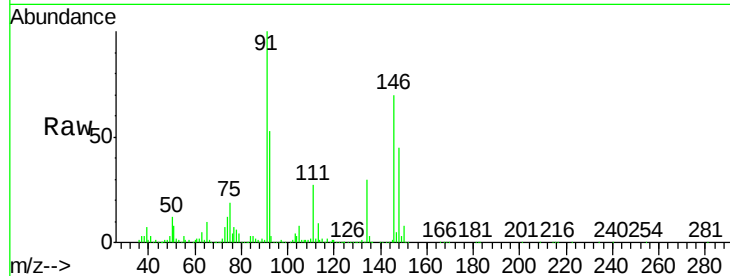
Instrument :
MSVOA_X

ClientSampleId :
VX0213WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	194196		
111	38.6	19.3	57.8	
148	64.5	32.1	96.3	

Manual Integrations
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2/13/2019 11:53:17 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.684 ug/l

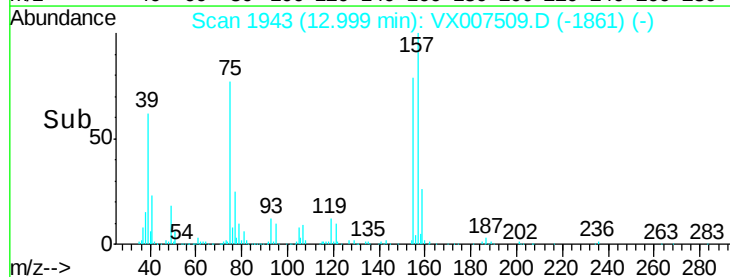
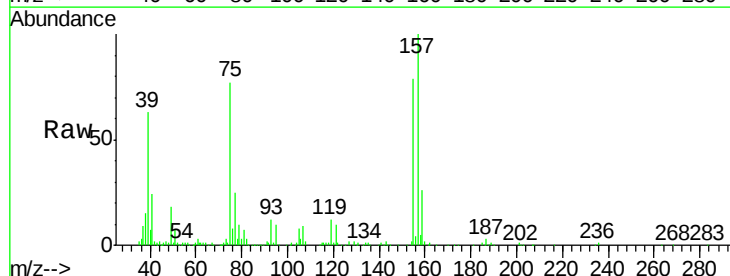
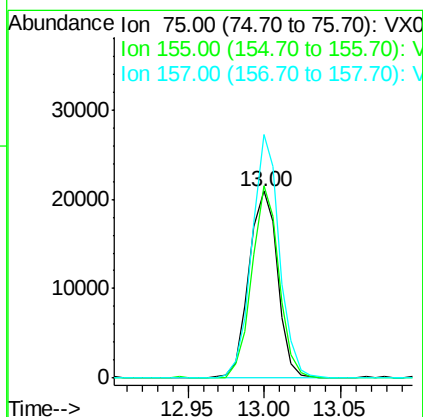
RT: 13.00 min Scan# 1943

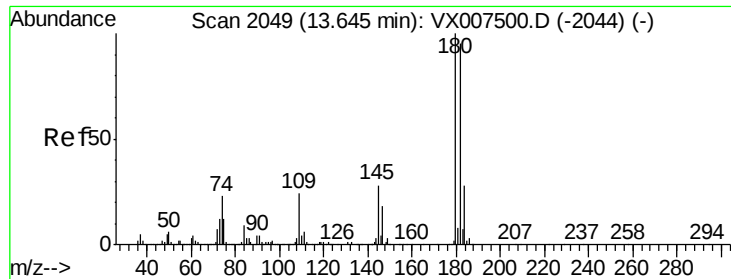
Delta R.T. 0.00 min

Lab File: VX007509.D

Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27449		
155	96.6	81.0	121.6	
157	124.2	103.2	154.8	





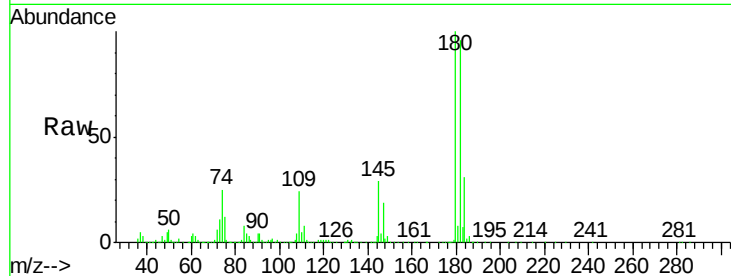
#89
 1,2,4-Trichlorobenzene
 Concen: 17.885 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007509.D
 Acq: 13 Feb 2019 03:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0213WBSD01

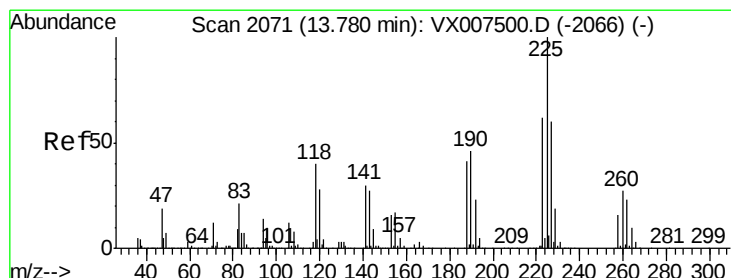
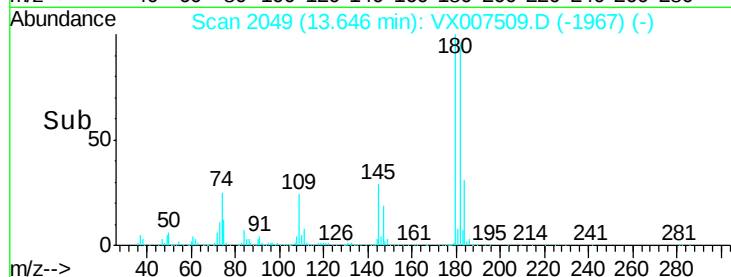
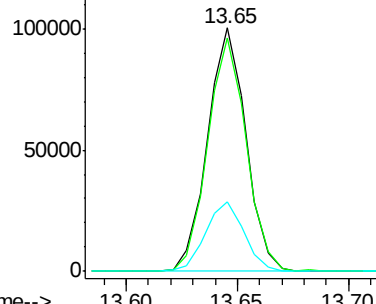
Tot Ion	Ratio	Resp	Lower	Upper
180	100	120507		
182	96.3		75.6	113.4
145	29.0		23.0	34.6

Manual Integrations
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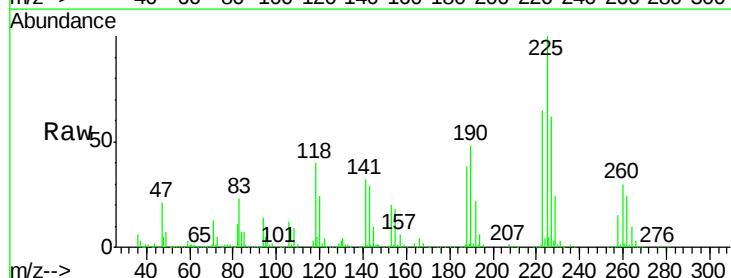


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

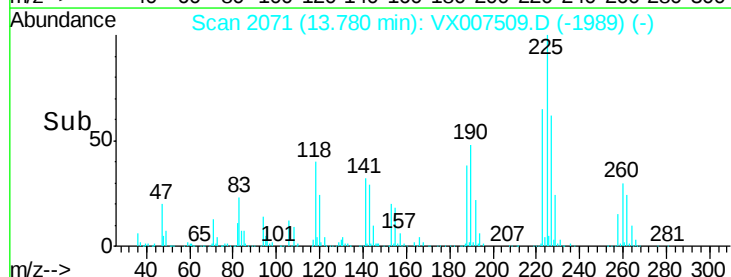
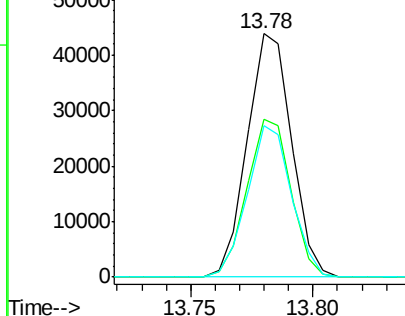


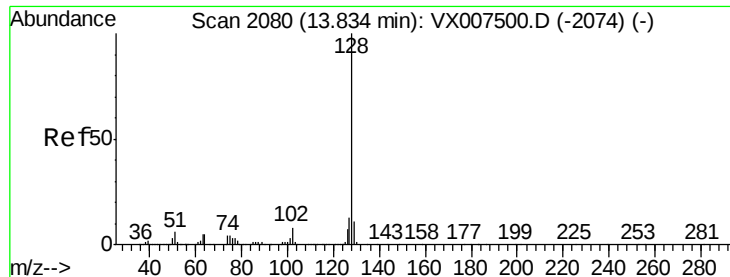
#90
 Hexachlorobutadiene
 Concen: 17.604 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007509.D
 Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55421		
223	63.8		0.0	123.8
227	62.0		0.0	124.4



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





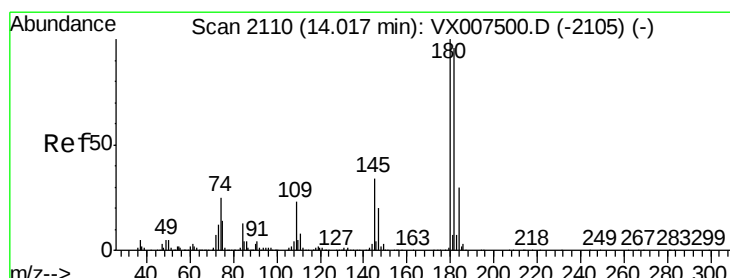
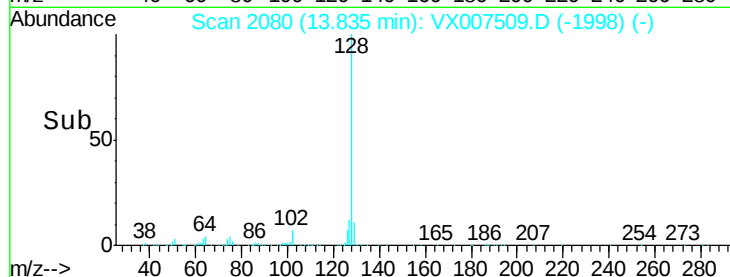
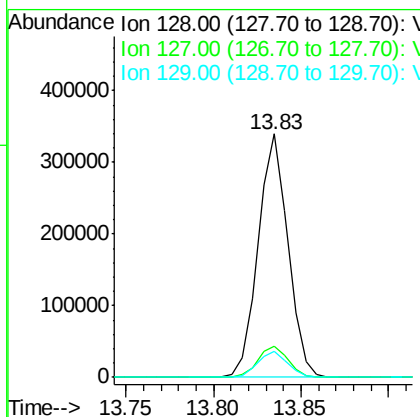
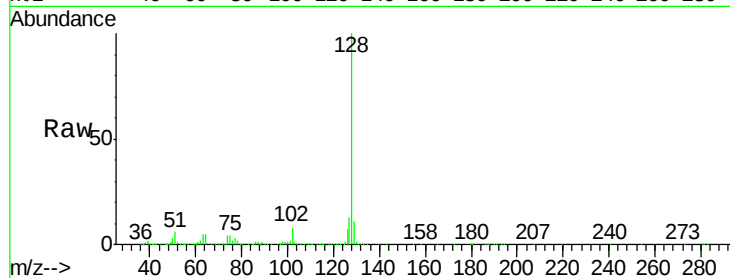
#91
Naphthalene
Concen: 18.722 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Instrument :
MSVOA_X
ClientSampleId :
VX0213WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.8	8.9	13.3

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 18.471 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007509.D
Acq: 13 Feb 2019 03:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	0.0	193.0
145	31.1	0.0	63.0

