

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032219\
 Data File : VX008342.D
 Acq On : 22 Mar 2019 16:38
 Operator : JC/SP
 Sample : VX0322WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0322WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/23/2019 9:33:19 AM

Quant Time: Mar 23 02:07:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 15:33:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	30235	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	157974	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	141010	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	64091	31.02	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.40%
60) 4-Bromofluorobenzene	11.13	95	69667	30.35	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.17%
63) Toluene-d8	8.71	98	193986	30.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	30035	18.514	ug/l 99
3) Chloromethane	1.33	50	32087	19.345	ug/l 94
4) Vinyl Chloride	1.41	62	35401	18.936	ug/l 100
5) Bromomethane	1.65	94	25984	7.667	ug/l 99
6) Chloroethane	1.73	64	23260	17.507	ug/l 100
7) Trichlorofluoromethane	1.93	101	55268	18.571	ug/l 99
8) Diethyl Ether	2.19	74	22472	19.470	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	29937	18.189	ug/l 98
10) 1,1-Dichloroethene	2.38	96	30309	18.656	ug/l 99
11) Methyl Iodide	2.51	142	35553	14.477	ug/l 95
12) Methyl Acetate	2.78	43	33551	18.926	ug/l 100
13) Acrolein	2.29	56	27465	98.897	ug/l 99
14) Acrylonitrile	3.14	53	86251	98.039	ug/l 97
15) Acetone	2.45	58	24474	70.942	ug/l 98
16) Carbon Disulfide	2.57	76	85489	18.978	ug/l 99
17) Allyl chloride	2.73	41	43549	18.166	ug/l 94
18) Methylene Chloride	2.86	84	33272	19.025	ug/l 93
19) trans-1,2-Dichloroethene	3.17	96	32890	19.072	ug/l 93
20) Diisopropyl ether	3.86	45	96274	19.207	ug/l 93
21) 1,1-Dichloroethane	3.70	63	58515	19.766	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	38977	19.596	ug/l 98
23) tert-Butyl Alcohol	3.04	59	33536	93.898	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	99024	18.973	ug/l 98
25) Chloroform	5.22	83	60796	19.360	ug/l 94
26) Cyclohexane	5.59	56	50180	19.167	ug/l # 99
29) 1,1-Dichloropropene	5.80	75	42526	18.953	ug/l 99
30) 2-Butanone	4.68	43	116253	89.955	ug/l 98
31) 2,2-Dichloropropane	4.59	77	36882	17.459	ug/l 100
32) 1,1,1-Trichloroethane	5.50	97	52294	19.808	ug/l 97
33) Carbon Tetrachloride	5.79	117	45301	18.684	ug/l 92
34) Benzene	6.15	78	135439	20.265	ug/l # 96
35) Methacrylonitrile	5.04	41	22931	19.049	ug/l 98
36) 1,2-Dichloroethane	6.20	62	48514	19.694	ug/l 98
37) Trichloroethene	7.21	130	37244	18.953	ug/l 83
38) Methylcyclohexane	7.46	83	51844	18.436	ug/l 98
39) 1,2-Dichloropropane	7.51	63	33016	19.414	ug/l 98
40) Dibromomethane	7.66	93	25007	20.049	ug/l 96

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	45768	19.338	ug/l	96
42) Vinyl Acetate	3.82	43	427564	98.433	ug/l	100
43) Ethyl Acetate	4.84	43	43704	19.158	ug/l #	81
44) Isopropyl Acetate	6.45	43	69641	19.398	ug/l	98
45) 1,4-Dioxane	7.74	88	17525	388.115	ug/l	96
46) Methyl methacrylate	7.77	41	34195	19.412	ug/l	99
47) n-amyl Acetate	10.90	43	57964	18.832	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	42574	17.966	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	48964	18.518	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	36116	20.156	ug/l	97
51) Ethyl methacrylate	9.18	69	52072	19.905	ug/l	96
52) 1,3-Dichloropropane	9.37	76	57795	20.111	ug/l	100
53) Dibromochloromethane	9.58	129	38025	18.825	ug/l	99
54) 1,2-Dibromoethane	9.67	107	38932	19.803	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	130913	99.467	ug/l	98
56) Bromoform	10.85	173	27161	17.032	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	231685	97.585	ug/l	97
59) 2-Hexanone	9.49	43	175002	93.182	ug/l	96
61) Tetrachloroethene	9.34	164	35465	18.684	ug/l	96
62) Toluene	8.79	91	145722	19.469	ug/l	99
64) Chlorobenzene	10.13	112	91881	19.041	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	34180	18.546	ug/l	96
66) Ethyl Benzene	10.25	91	158672	19.602	ug/l	100
67) m/p-Xylenes	10.36	106	123836	38.492	ug/l	100
68) o-Xylene	10.69	106	59320	19.194	ug/l	98
69) Styrene	10.71	104	99430	19.056	ug/l	98
70) Isopropylbenzene	11.02	105	154761	19.033	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	54550	19.674	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	50299m	22.520	ug/l	
73) Bromobenzene	11.26	156	42020	18.677	ug/l	95
74) n-propylbenzene	11.36	91	167117	18.438	ug/l	99
75) 2-Chlorotoluene	11.42	91	103513	19.124	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	131251	18.895	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	13074	16.523	ug/l	96
78) 4-Chlorotoluene	11.51	91	119525	18.763	ug/l	97
79) tert-butylbenzene	12.06	119	136470	18.677	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	132030	19.127	ug/l	98
81) sec-Butylbenzene	11.94	105	147231	18.582	ug/l	99
82) p-Isopropyltoluene	12.06	119	136470	18.677	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	70453	18.042	ug/l	96
84) 1,4-Dichlorobenzene	12.10	146	69426	17.854	ug/l	95
85) n-Butylbenzene	12.38	91	109034	17.348	ug/l	100
86) Hexachloroethane	12.60	117	22325	17.728	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	72574	18.846	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	11272	17.759	ug/l	90
89) 1,2,4-Trichlorobenzene	13.65	180	46835	17.184	ug/l	99
90) Hexachlorobutadiene	13.78	225	22631	16.494	ug/l	98
91) Naphthalene	13.83	128	152023	18.571	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	48616	17.644	ug/l	96

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MSVOA_X
ClientSampleId :
VX0322WBSD01

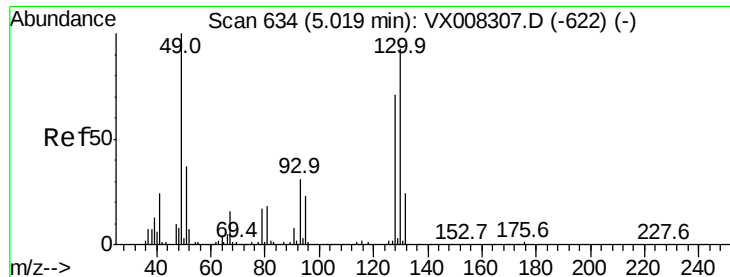
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

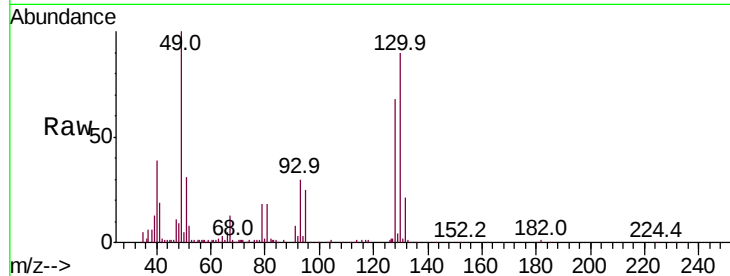
ClientSampleId :

VX0322WBSD01

Tot Ion:	128	Resp:	30235
Ion	Ratio	Lower	Upper
128	100		
49	139.8	0.0	350.8
130	127.8	0.0	325.8

Manual Integrations
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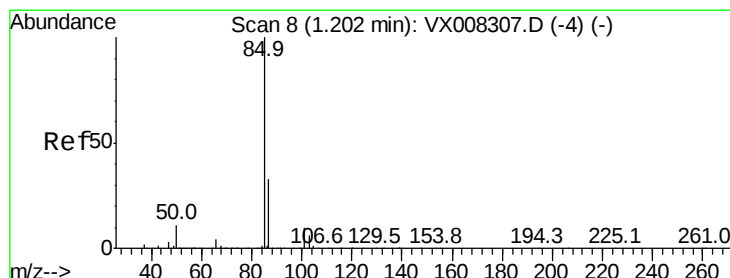
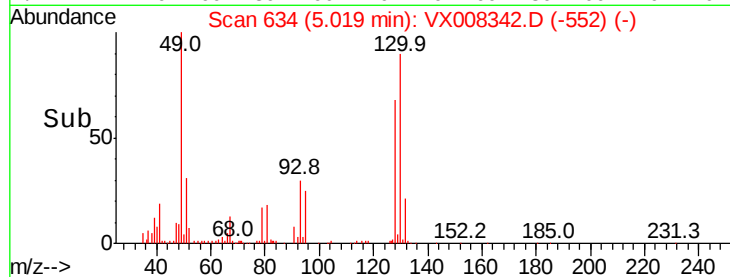
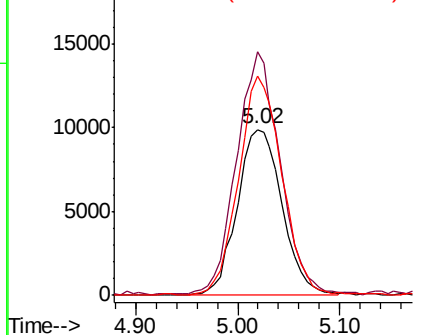
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.514 ug/l

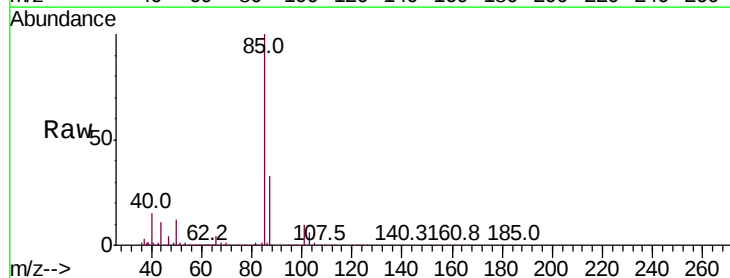
RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX008342.D

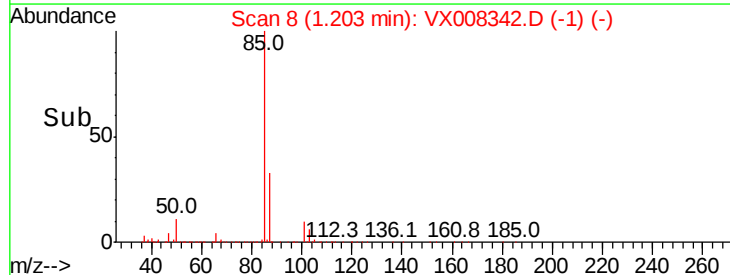
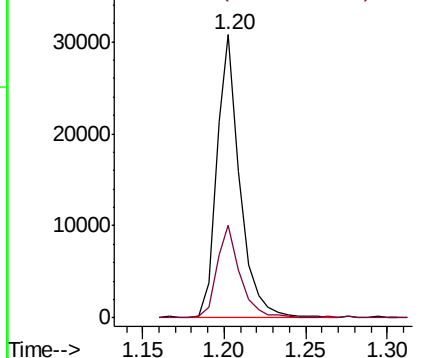
Acq: 22 Mar 2019 16:38

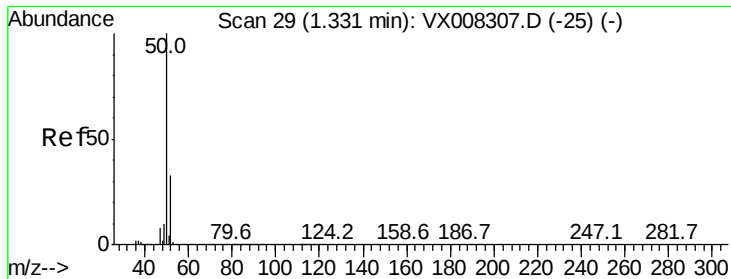
Tgt Ion:	85	Resp:	30035
Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.6	49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.345 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBSD01

Tot Ion: 50 Resp: 32087

Ion Ratio Lower Upper

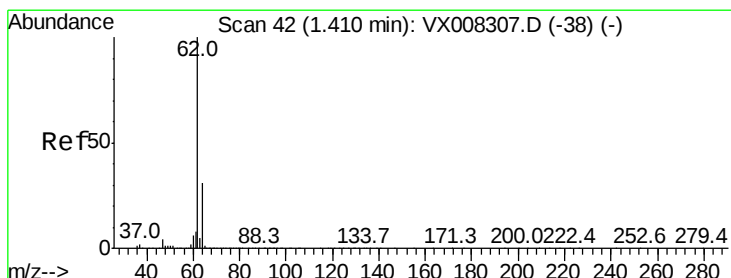
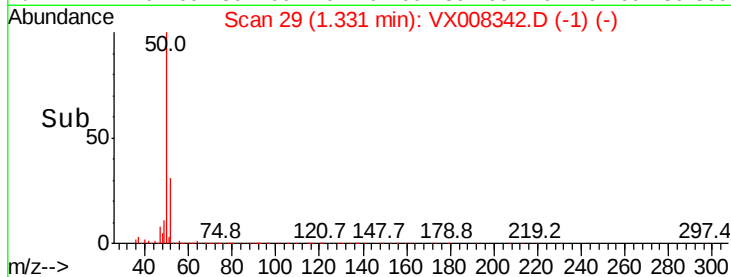
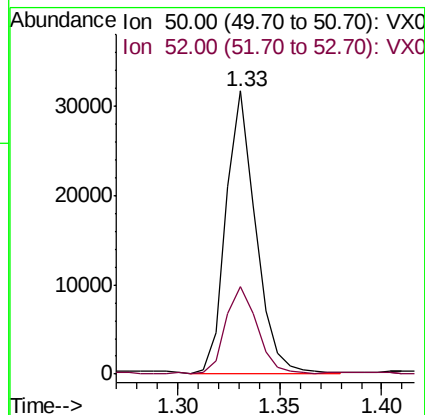
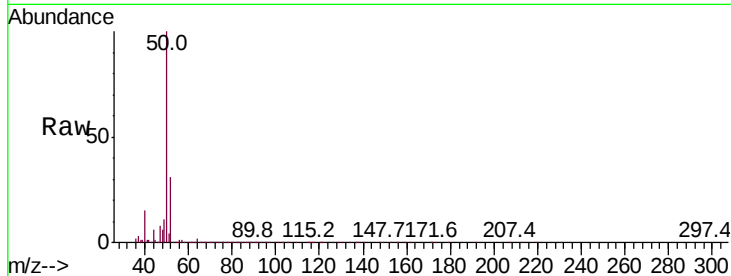
50 100

52 31.0 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.936 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008342.D

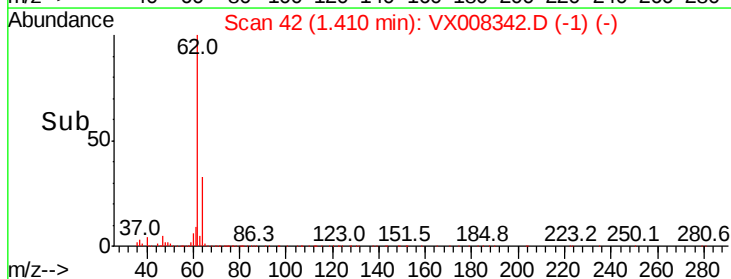
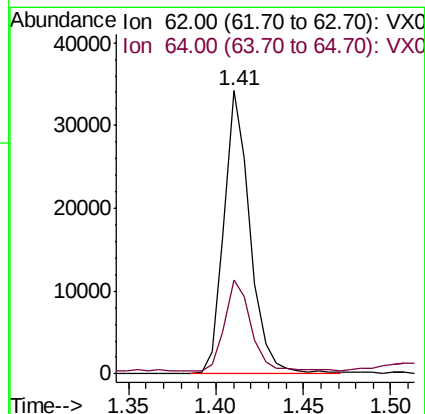
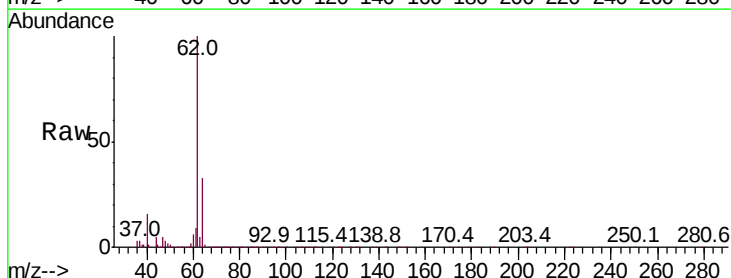
Acq: 22 Mar 2019 16:38

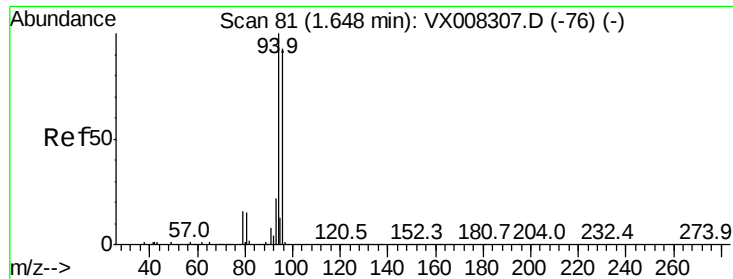
Tgt Ion: 62 Resp: 35401

Ion Ratio Lower Upper

62 100

64 32.5 25.9 38.9





#5

Bromomethane

Concen: 7.667 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBSD01

Tot Ion: 94 Resp: 25984

Ion Ratio Lower Upper

94 100

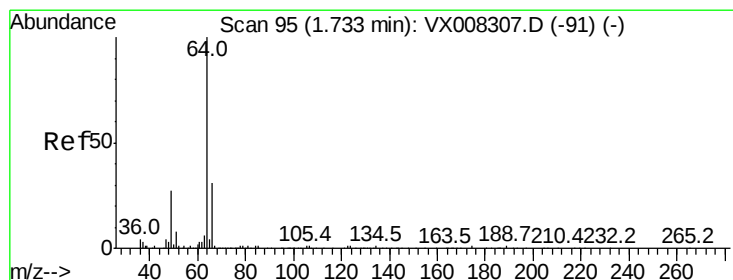
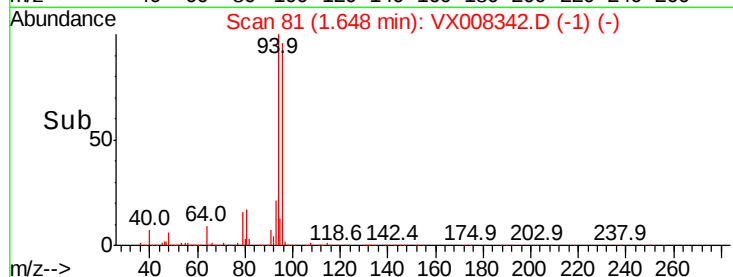
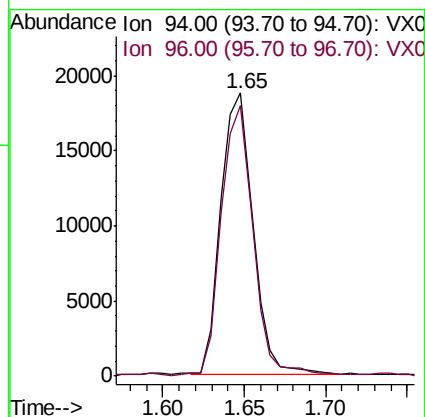
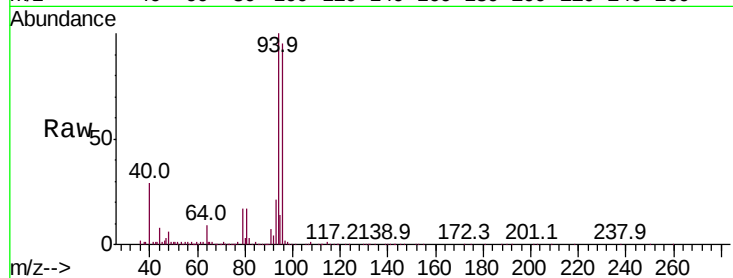
96 95.6 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 17.507 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.00 min

Lab File: VX008342.D

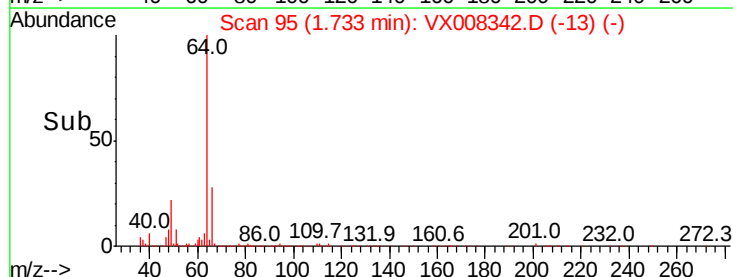
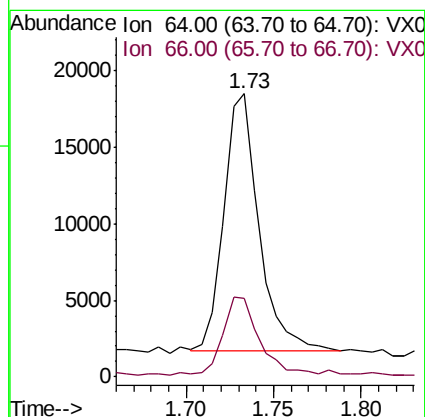
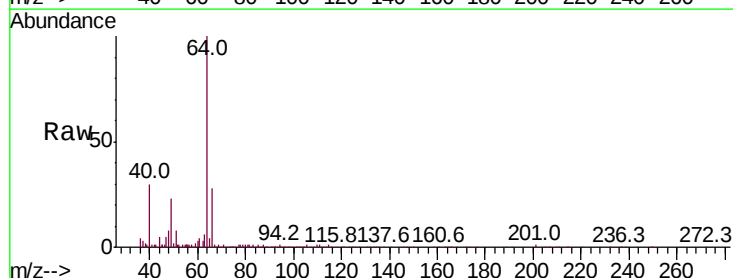
Acq: 22 Mar 2019 16:38

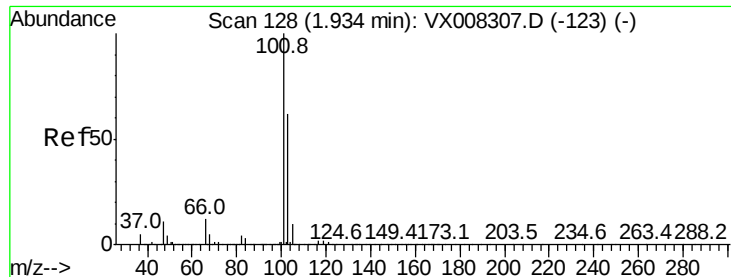
Tgt Ion: 64 Resp: 23260

Ion Ratio Lower Upper

64 100

66 29.7 23.9 35.9





#7

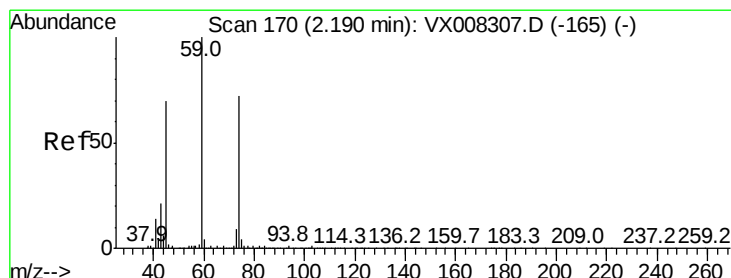
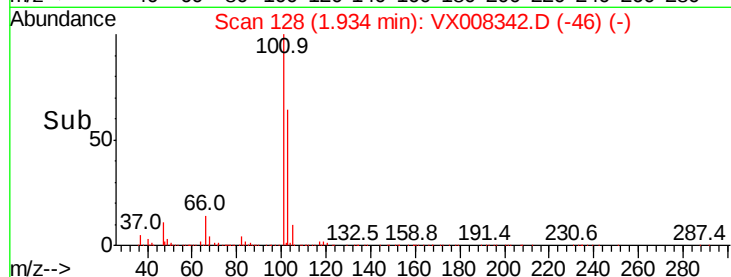
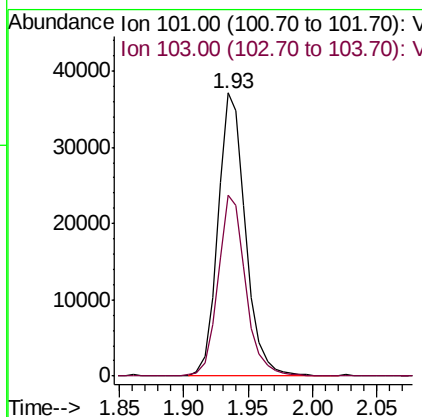
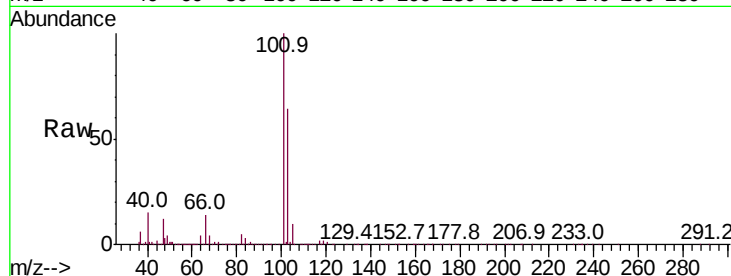
Trichlorofluoromethane
Concen: 18.571 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

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ClientSampleId :
VX0322WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.4	75.6

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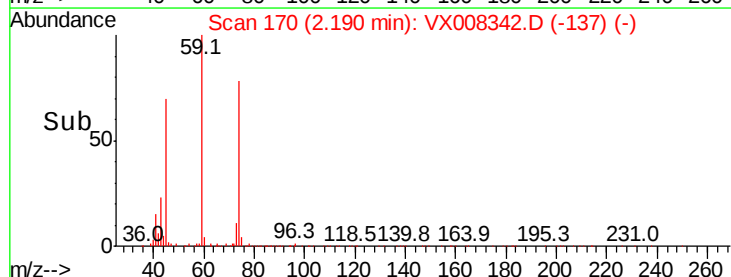
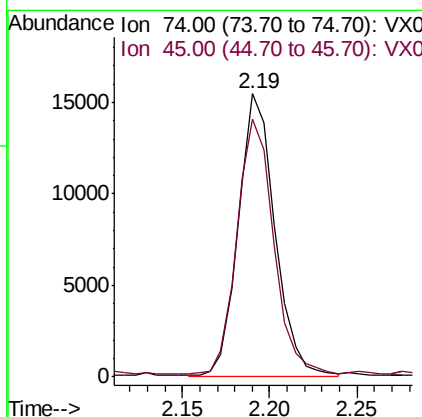
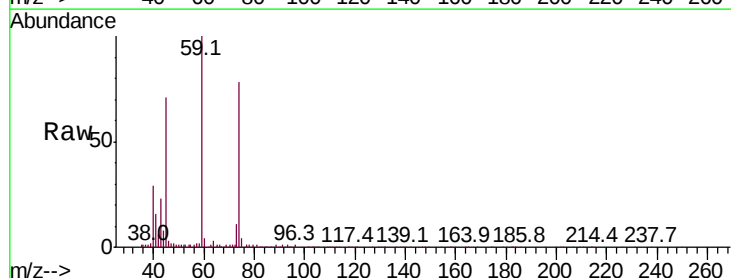
MMDadoda
3/23/2019 9:33:19 AM

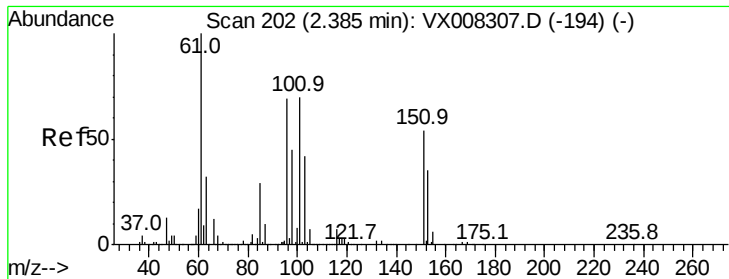


#8

Diethyl Ether
Concen: 19.470 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.3	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.189 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

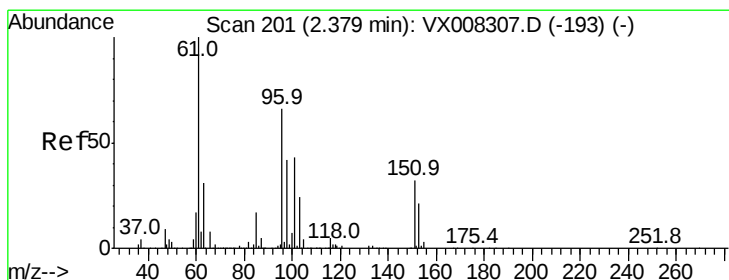
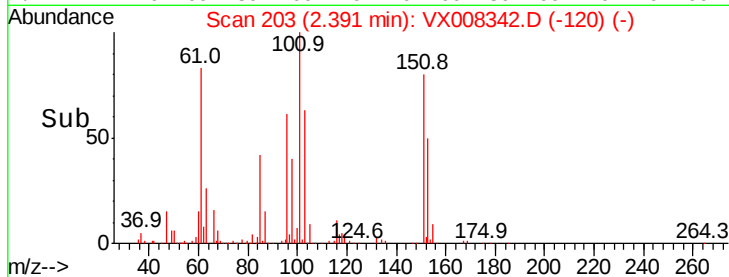
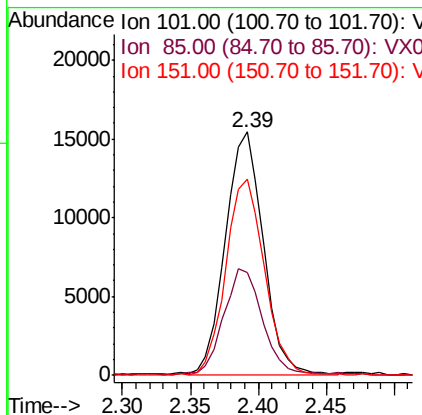
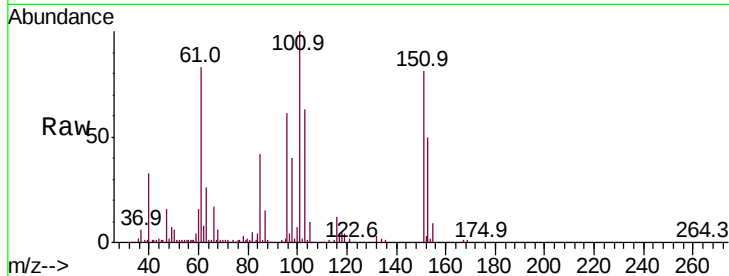
ClientSampleId :

VX0322WBSD01

Tot Ion:	101	Resp:	29937
Ion Ratio	Lower	Upper	
101	100		
85	45.2	0.0	86.8
151	82.7	0.0	169.2

Manual Integrations
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3/23/2019 9:33:19 AM



#10

1,1-Dichloroethene

Concen: 18.656 ug/l

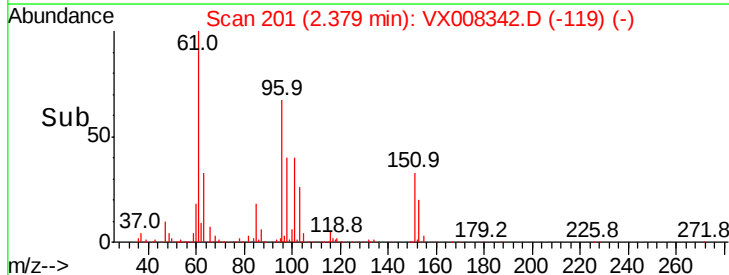
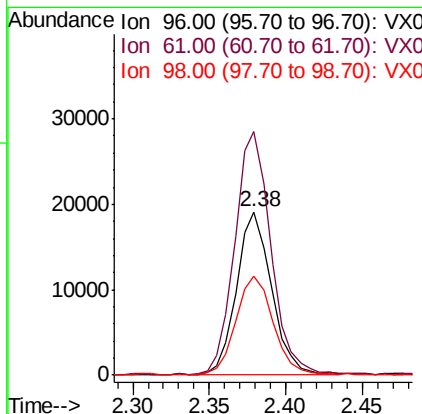
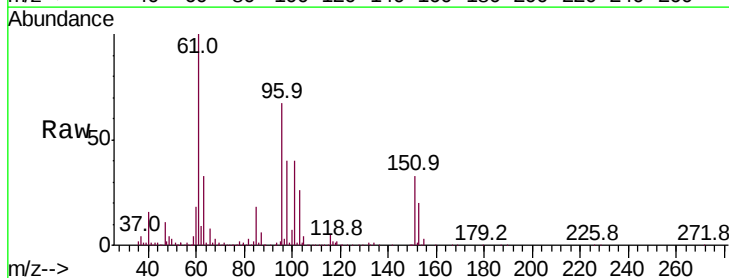
RT: 2.38 min Scan# 201

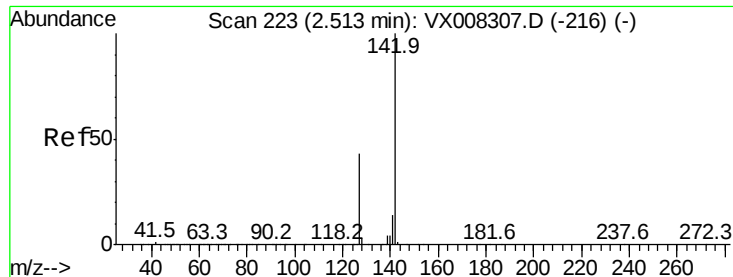
Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Tgt Ion:	96	Resp:	30309
Ion Ratio	Lower	Upper	
96	100		
61	149.4	120.2	180.2
98	60.3	49.0	73.4





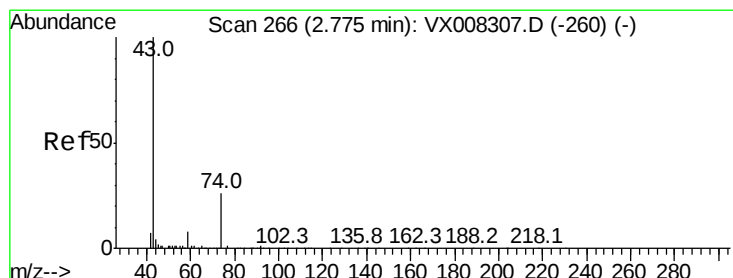
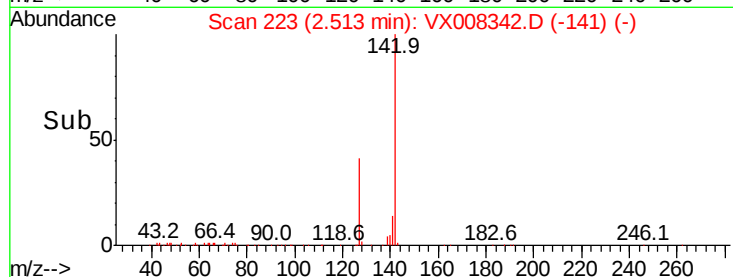
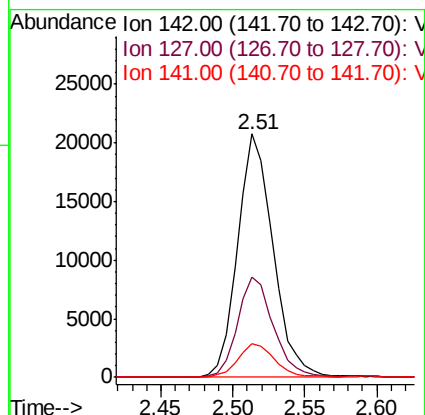
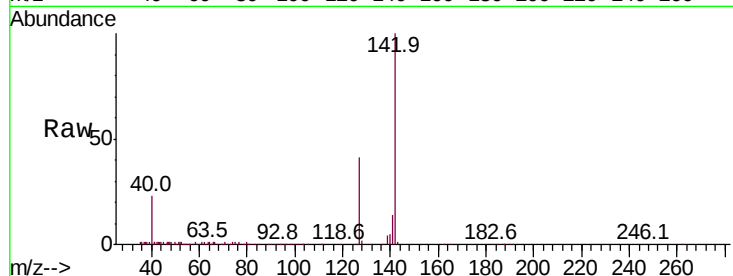
#11
Methvl Iodide
Concen: 14.477 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.0	22.1	66.5
141	13.7	7.4	22.3

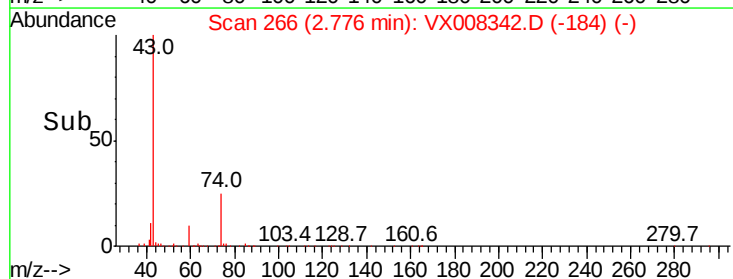
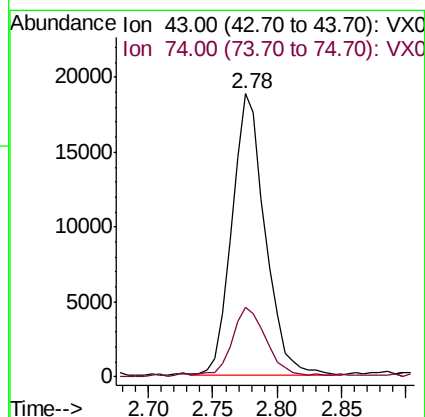
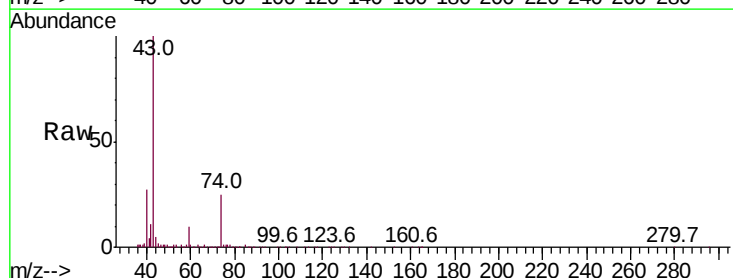
Manual Integrations
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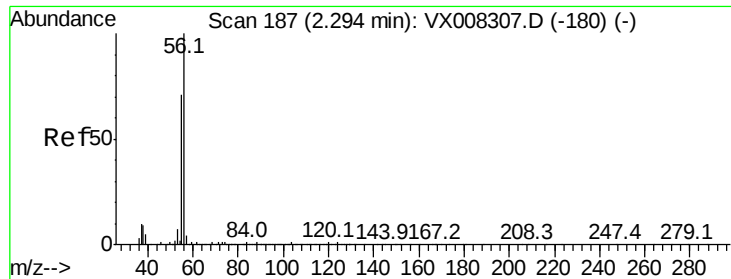
MMDadoda
3/23/2019 9:33:19 AM



#12
Methyl Acetate
Concen: 18.926 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.4	29.0





#13

Acrolein

Concen: 98.897 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBSD01

Tot Ion: 56 Resp: 27465

Ion Ratio Lower Upper

56 100

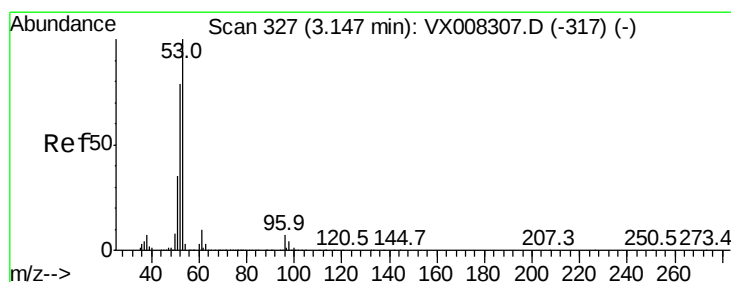
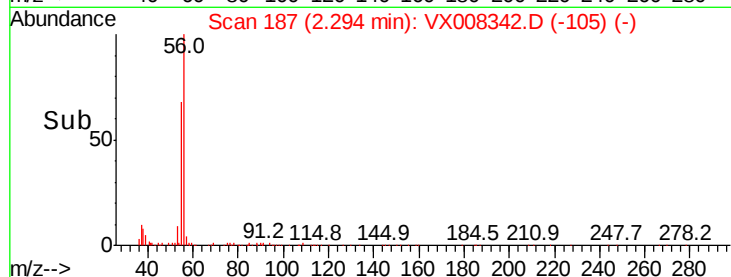
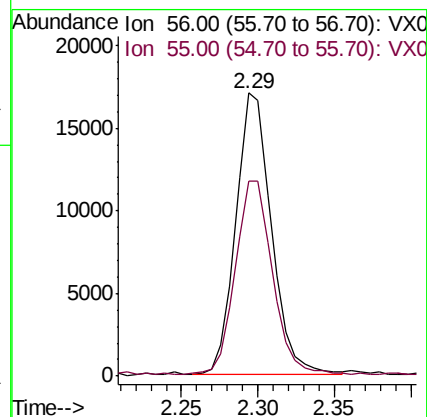
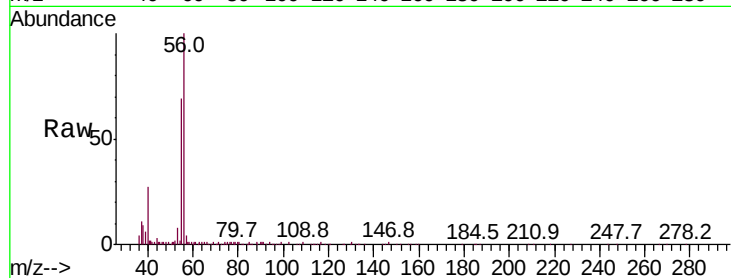
55 72.0 58.6 87.8

Manual Integrations

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#14

Acrylonitrile

Concen: 98.039 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

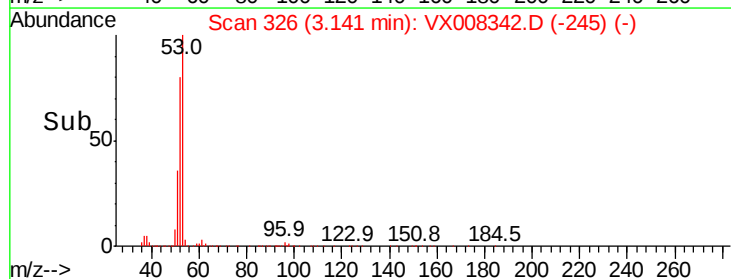
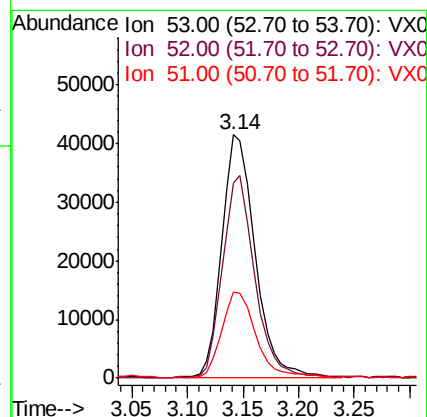
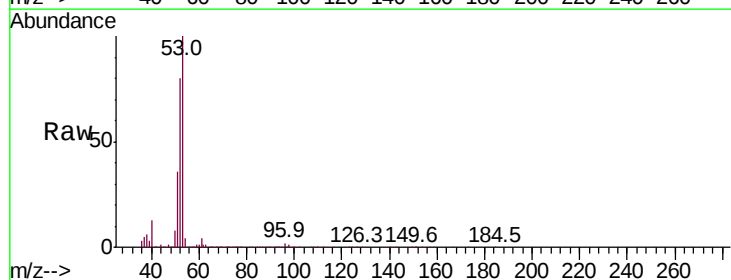
Tgt Ion: 53 Resp: 86251

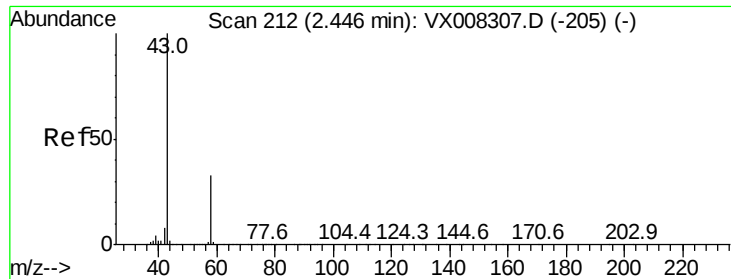
Ion Ratio Lower Upper

53 100

52 79.9 41.3 124.1

51 36.3 17.5 52.6





#15

Acetone

Concen: 70.942 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBSD01

Tot Ion: 58 Resp: 24474

Ion Ratio Lower Upper

58 100

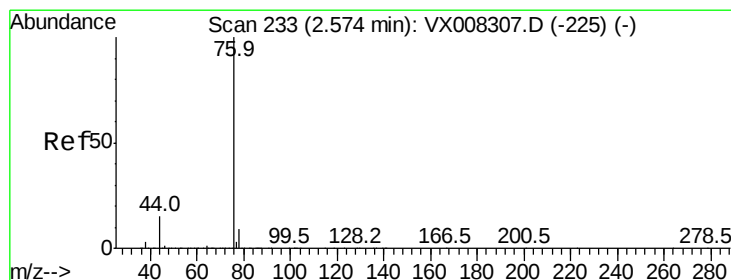
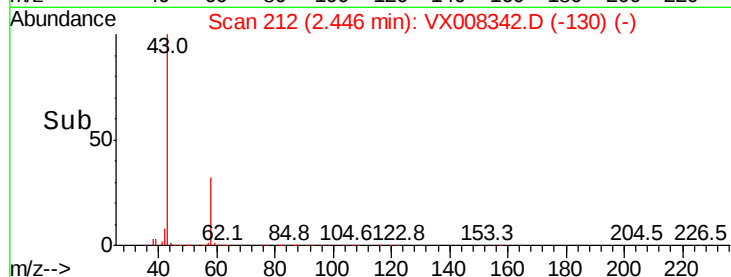
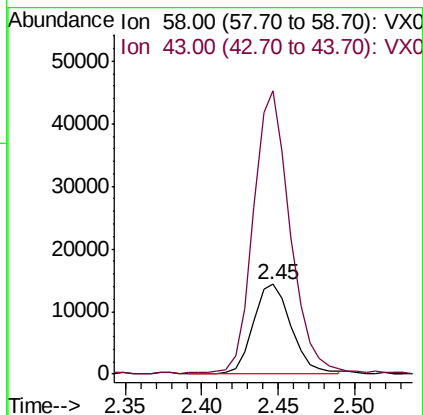
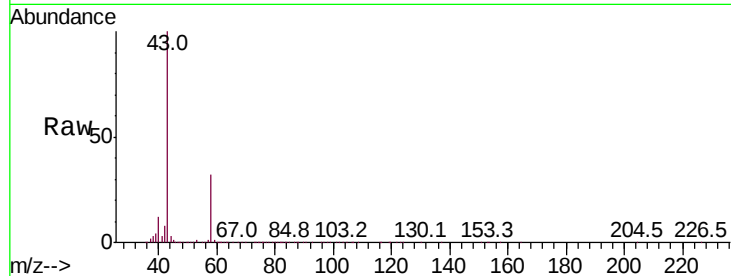
43 315.6 249.8 374.6

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.978 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008342.D

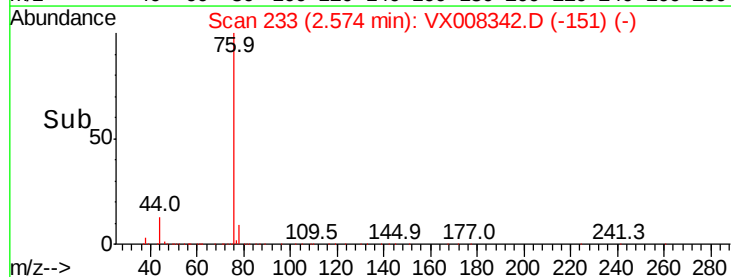
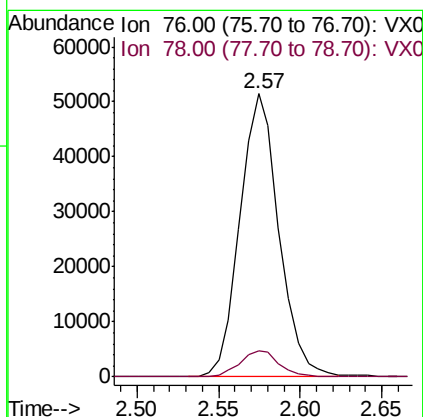
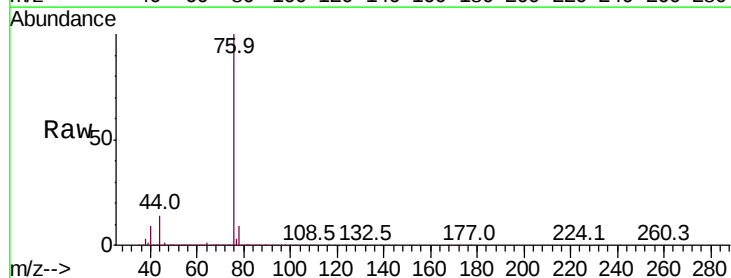
Acq: 22 Mar 2019 16:38

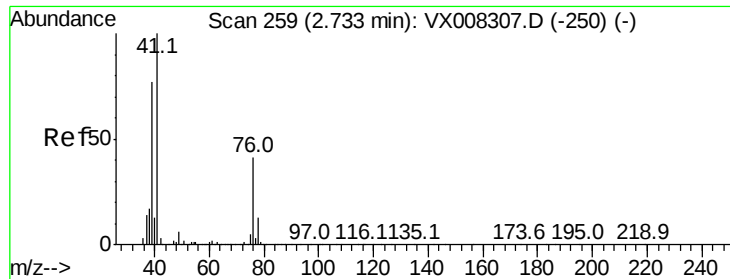
Tgt Ion: 76 Resp: 85489

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3





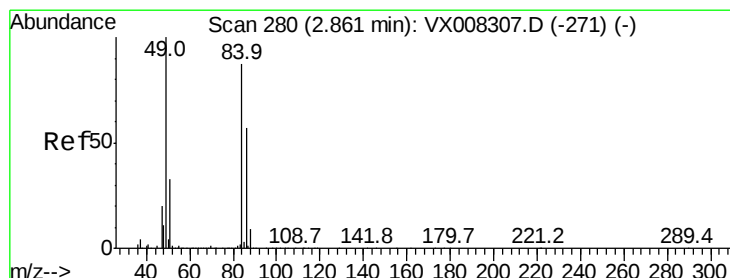
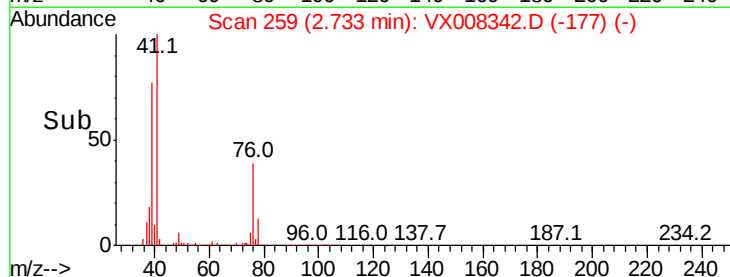
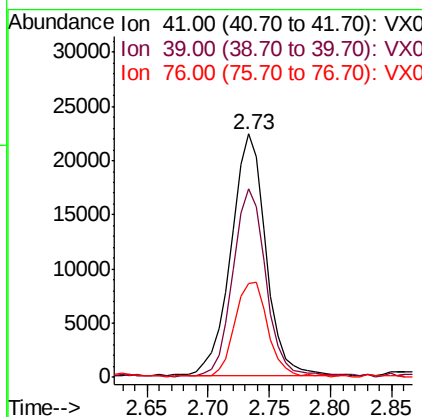
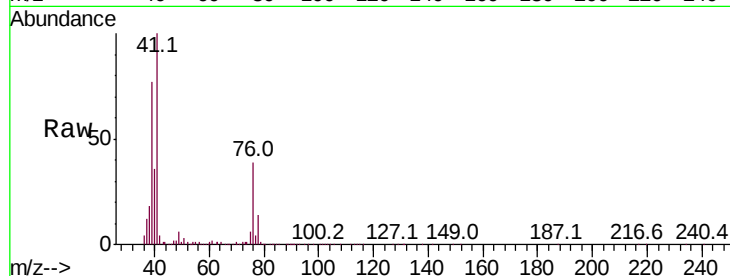
#17
Allvl chloride
Concen: 18.166 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	77.3	35.8	107.4
76	38.4	18.3	54.9

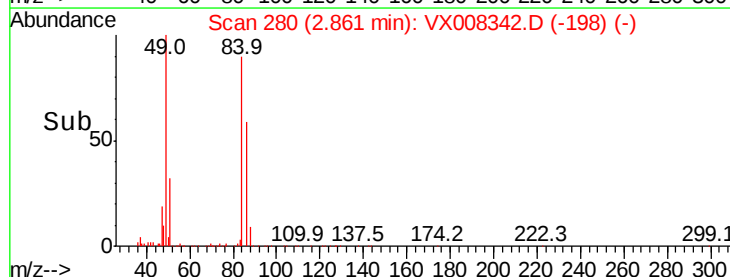
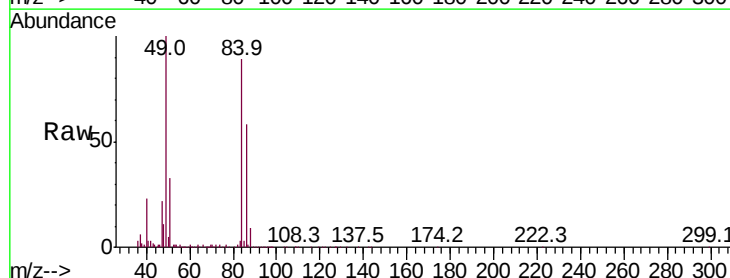
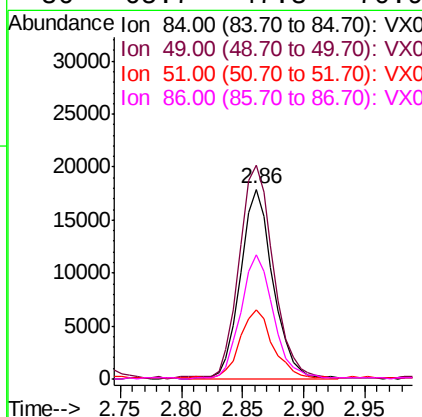
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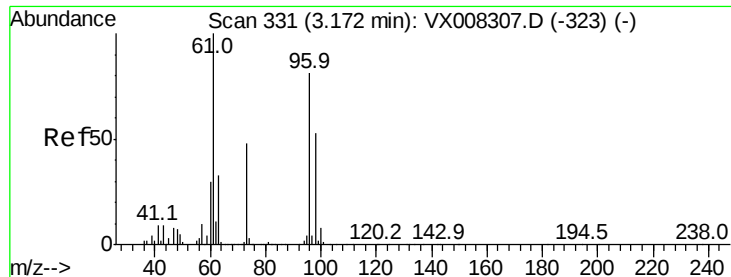
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#18
Methylene Chloride
Concen: 19.025 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.5	96.1	144.1
51	36.0	29.1	43.7
86	65.7	47.3	70.9





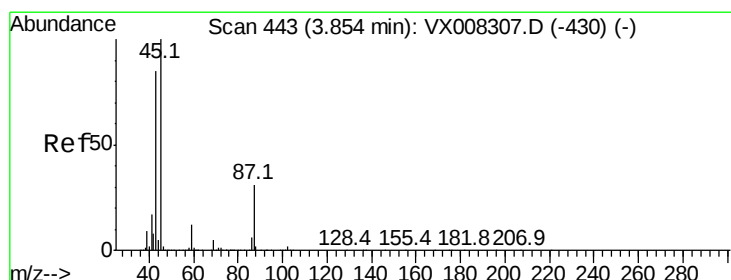
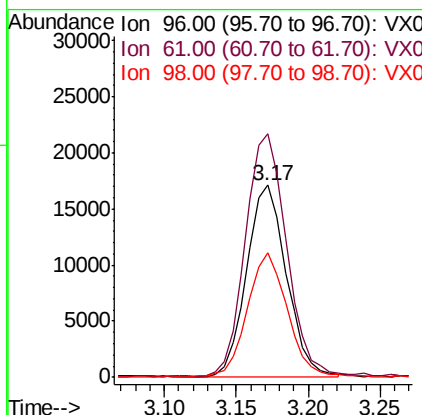
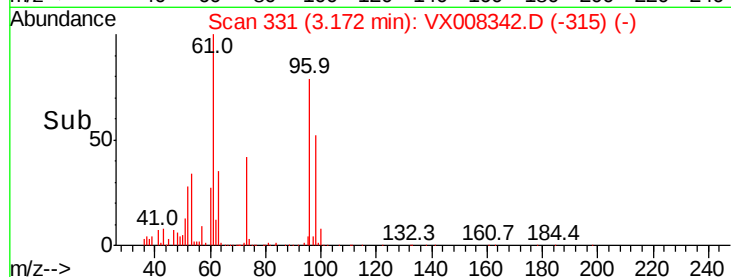
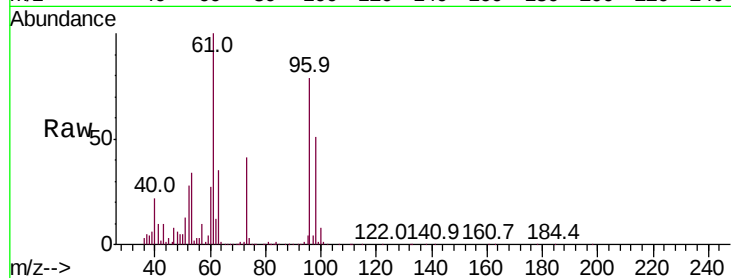
#19
trans-1,2-Dichloroethene
Concen: 19.072 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.6	109.9	164.9
98	64.6	50.4	75.6

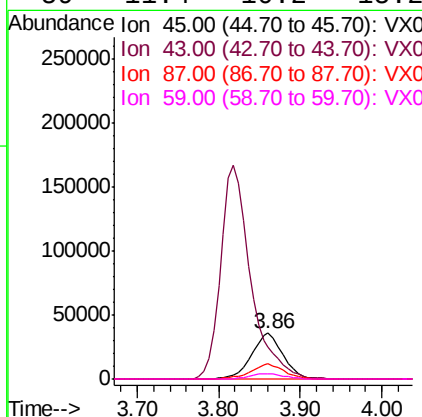
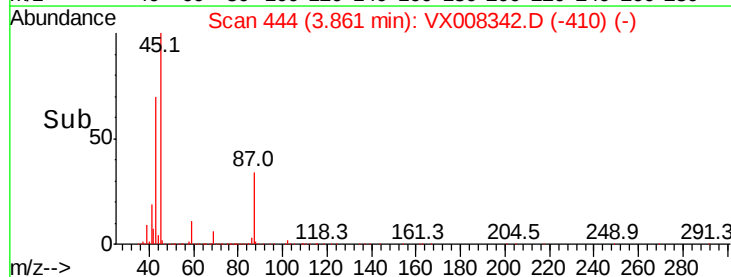
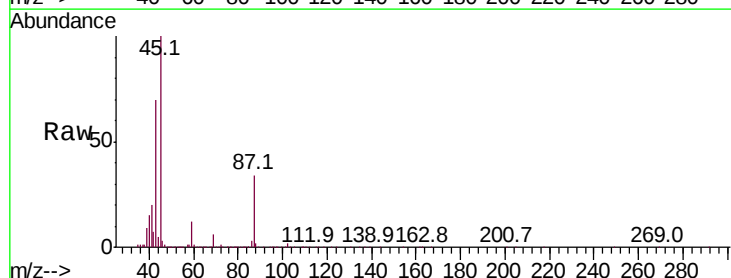
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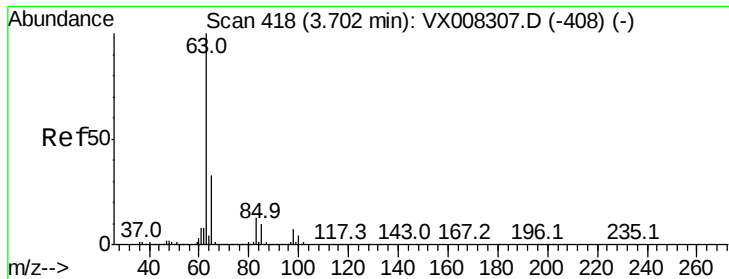
MMDadoda
3/23/2019 9:33:19 AM



#20
Diisopropyl ether
Concen: 19.207 ug/l
RT: 3.86 min Scan# 444
Delta R.T. 0.01 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.8	50.6	76.0
87	33.9	24.5	36.7
59	11.4	10.2	15.2





#21

1,1-Dichloroethane

Concen: 19.766 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

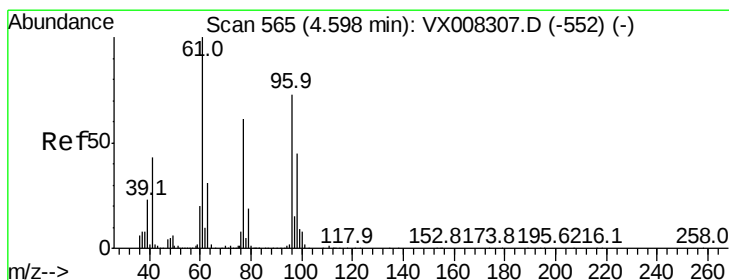
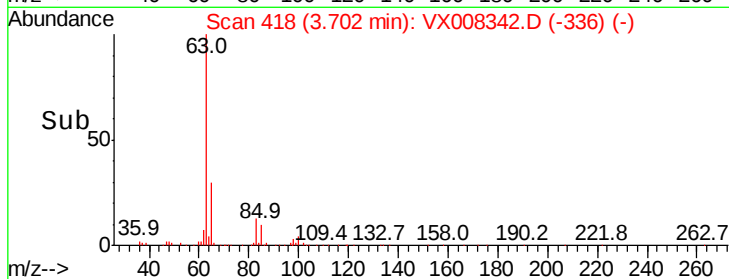
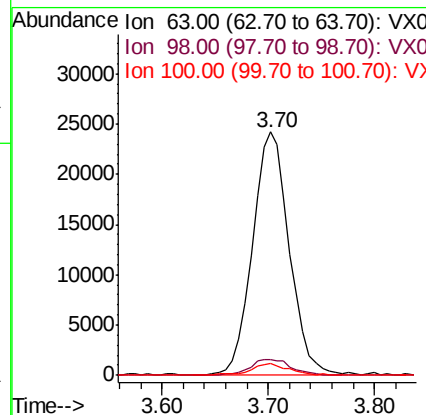
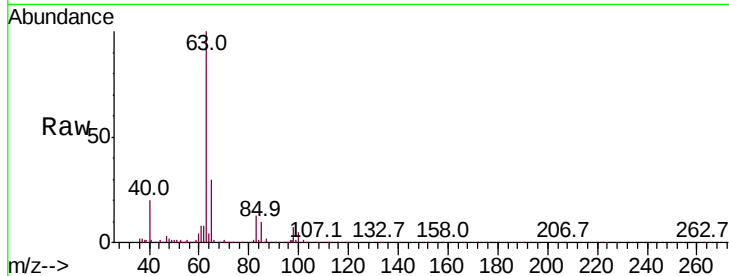
ClientSampleId :

VX0322WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	58515		
98	6.7		3.8	11.4
100	5.1		2.4	7.1

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#22

cis-1,2-Dichloroethene

Concen: 19.596 ug/l

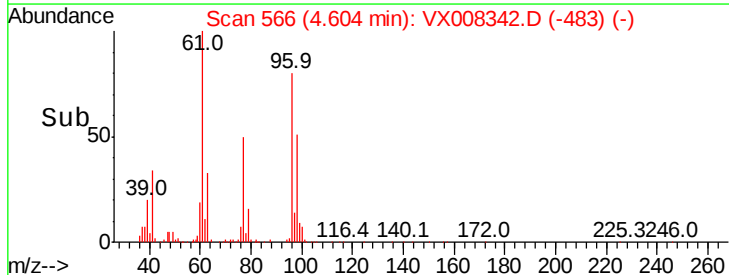
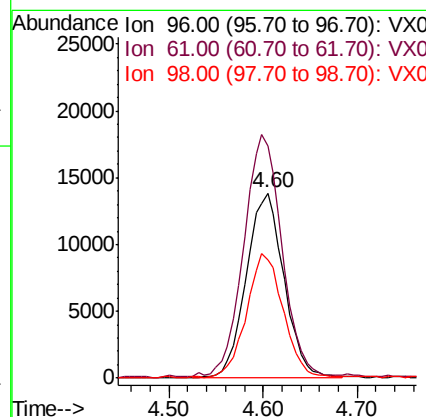
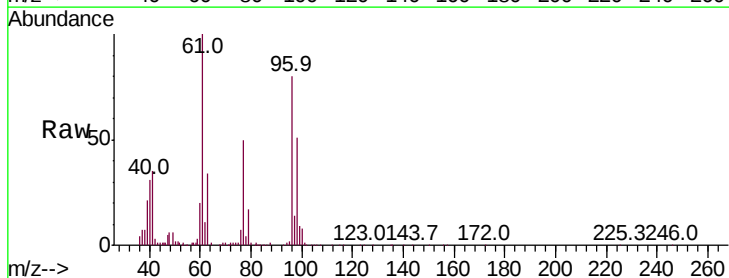
RT: 4.60 min Scan# 566

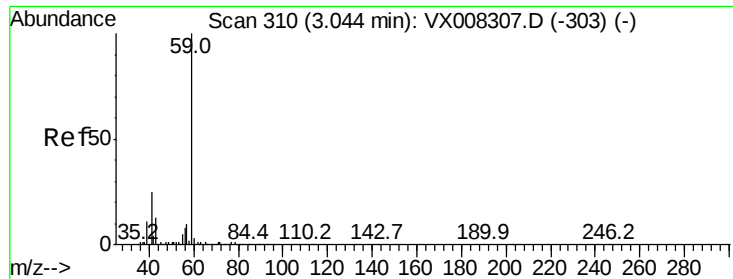
Delta R.T. 0.01 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	38977		
61	132.7		103.5	155.3
98	66.0		52.1	78.1





#23

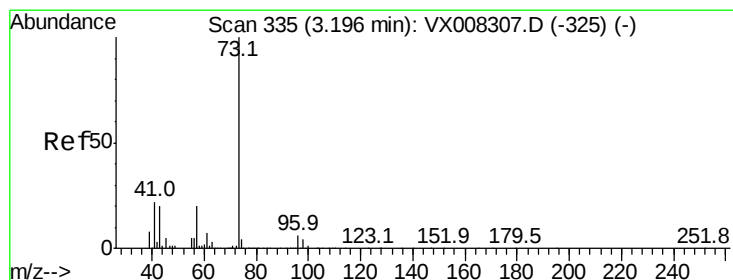
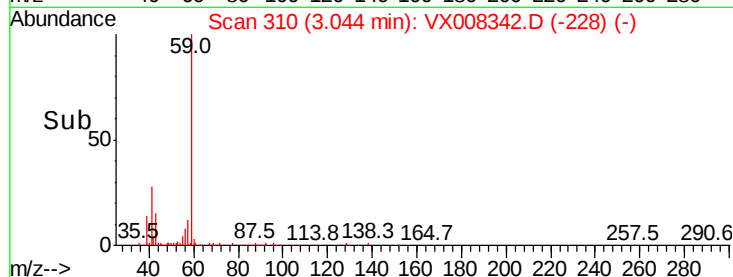
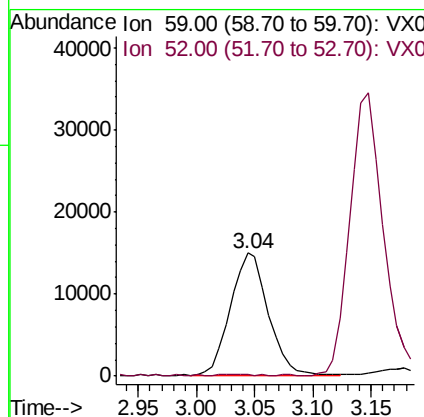
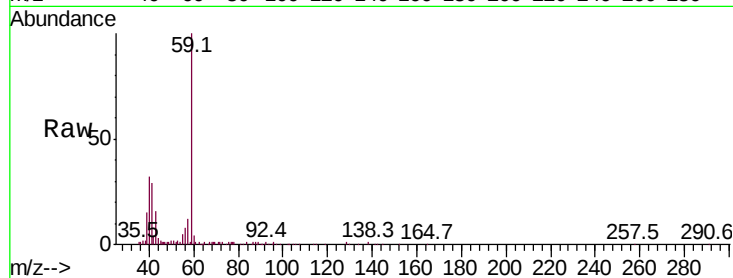
tert-Butyl Alcohol
 Concen: 93.898 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.00 min
 Lab File: VX008342.D
 Acq: 22 Mar 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBSD01

Tot Ion	59	Ratio	Lower	Upper
33536	100			
52	0.6	0.2	0.2	0.2

Manual Integrations
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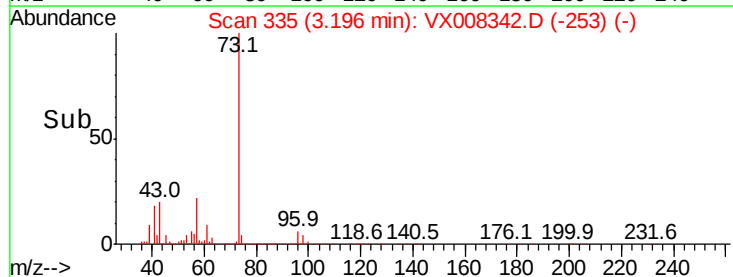
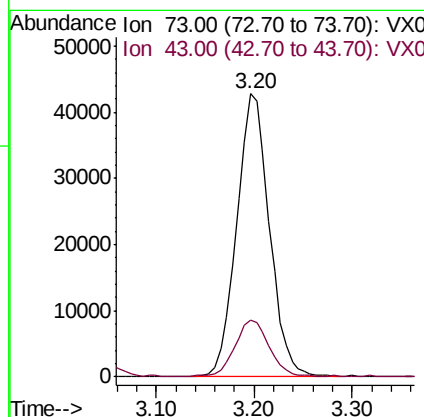
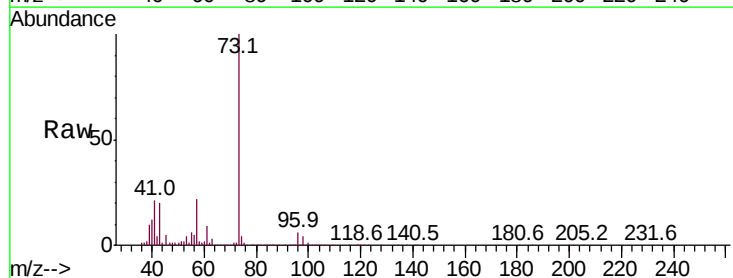
MMDadoda
 3/23/2019 9:33:19 AM

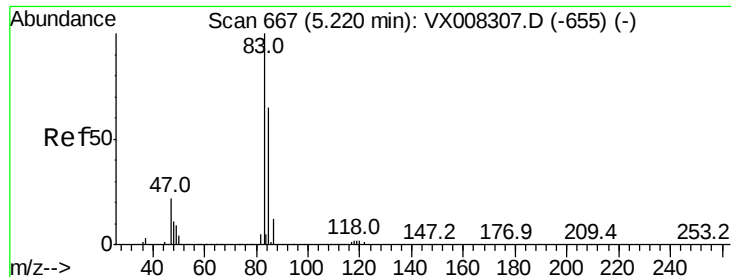


#24

Methyl tert-Butyl Ether
 Concen: 18.973 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX008342.D
 Acq: 22 Mar 2019 16:38

Tgt Ion	73	Ratio	Lower	Upper
99024	100			
43	20.3	17.1	25.7	





#25

Chloroform

Concen: 19.360 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBSD01

Tot Ion: 83 Resp: 60796

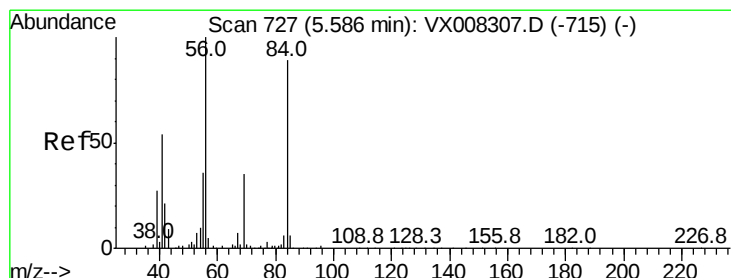
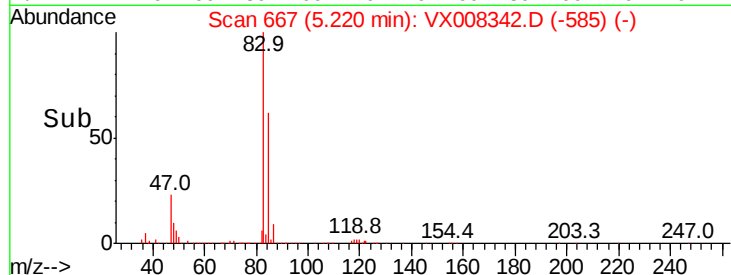
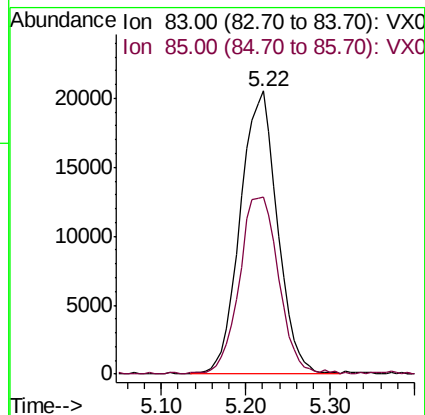
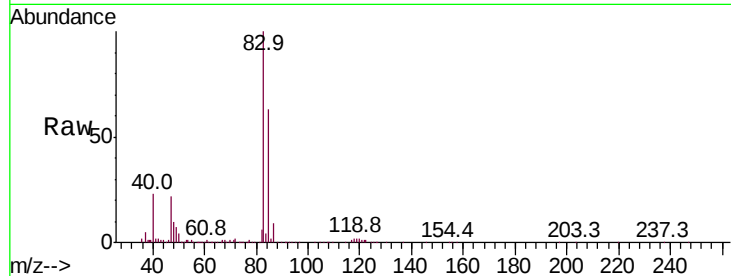
Ion Ratio Lower Upper

83 100

85 62.4 53.8 80.6

Manual Integrations
APPROVED

MMDadoda
3/23/2019 9:33:19 AM



#26

Cyclohexane

Concen: 19.167 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

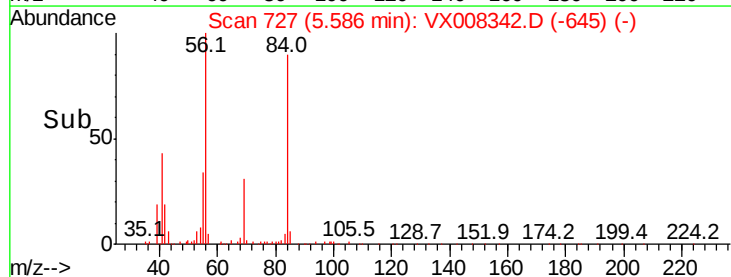
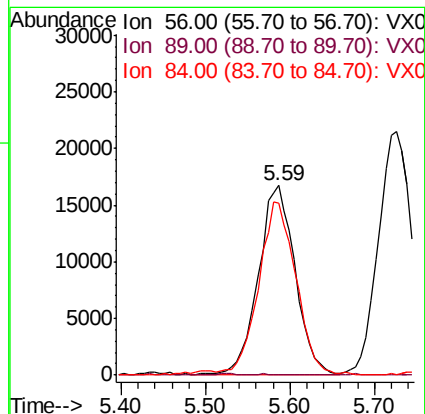
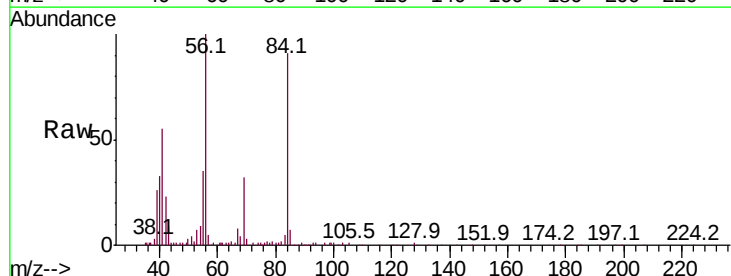
Tgt Ion: 56 Resp: 50180

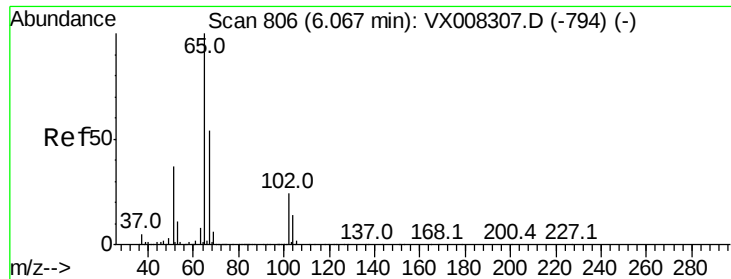
Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

84 91.7 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 31.020 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBSD01

Tot Ion: 65 Resp: 64091

Ion Ratio Lower Upper

65 100

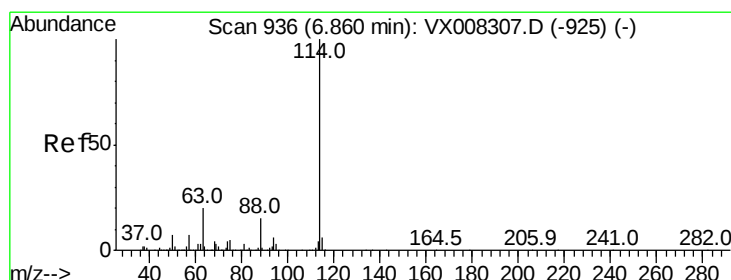
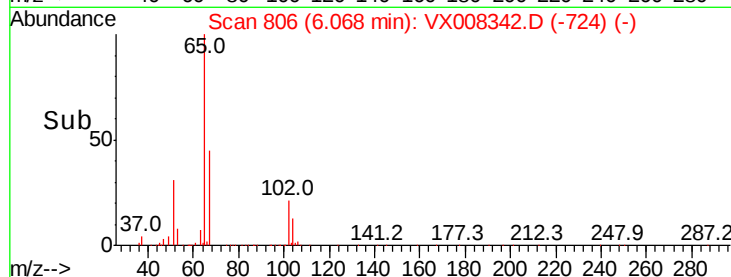
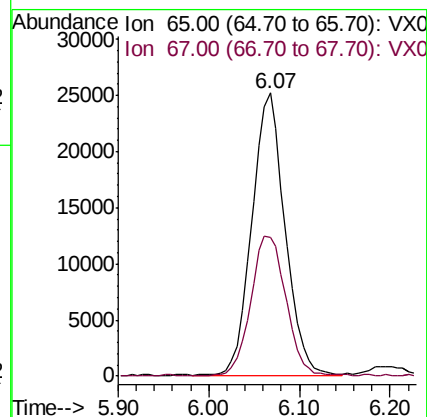
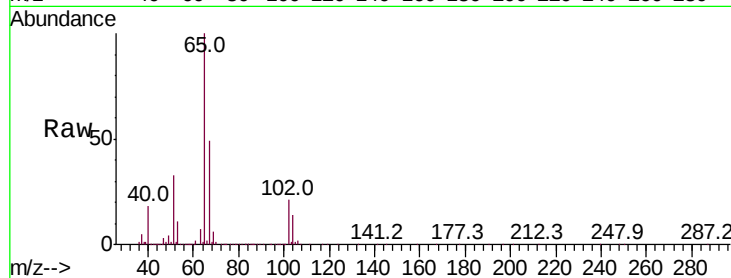
67 52.1 42.9 64.3

Manual Integrations

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3/23/2019 9:33:19 AM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

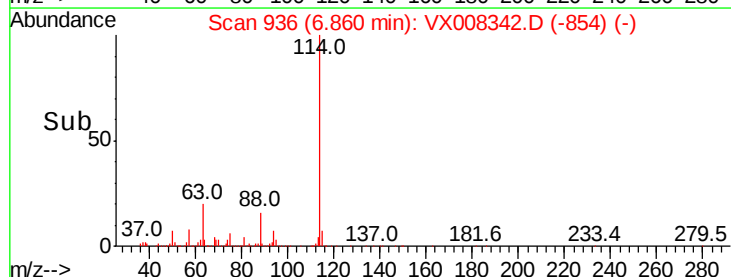
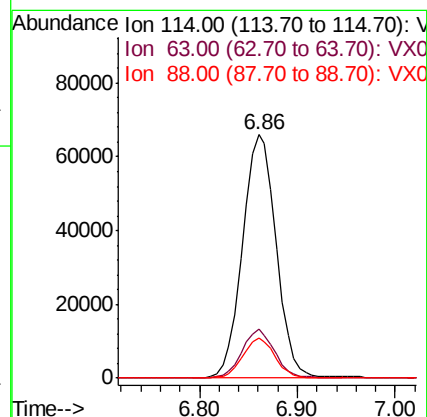
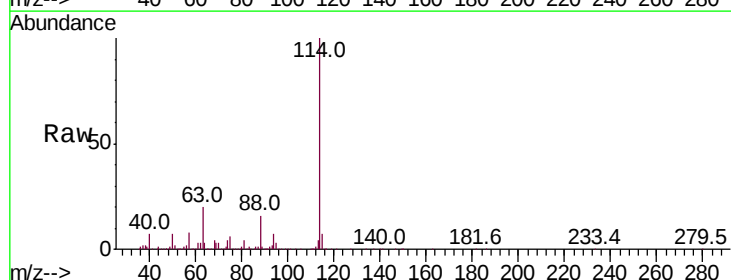
Tgt Ion: 114 Resp: 157974

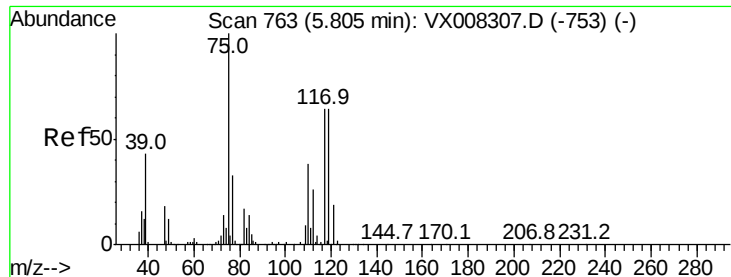
Ion Ratio Lower Upper

114 100

63 19.4 14.2 21.4

88 15.9 11.9 17.9





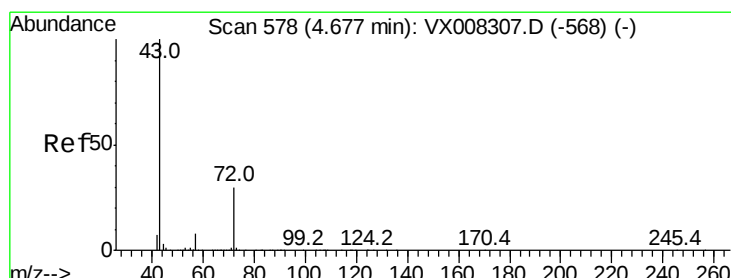
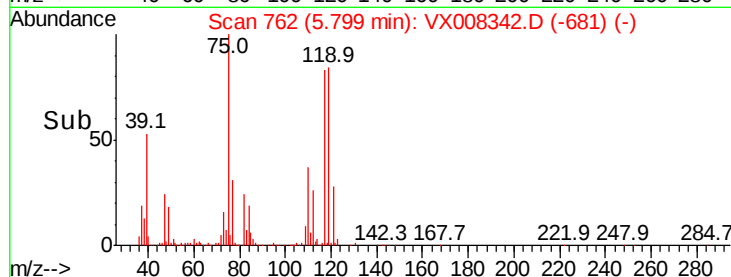
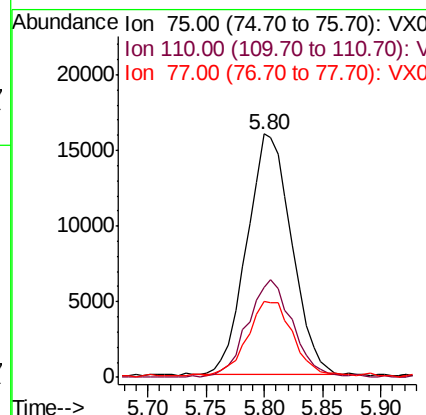
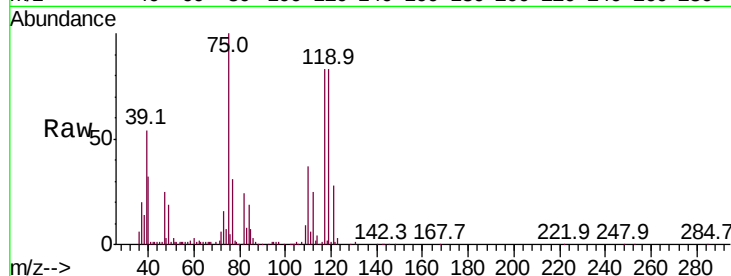
#29
 1,1-Dichloropropene
 Concen: 18.953 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VX008342.D
 Acq: 22 Mar 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	40.6	0.0	80.8
77	32.1	0.0	62.4

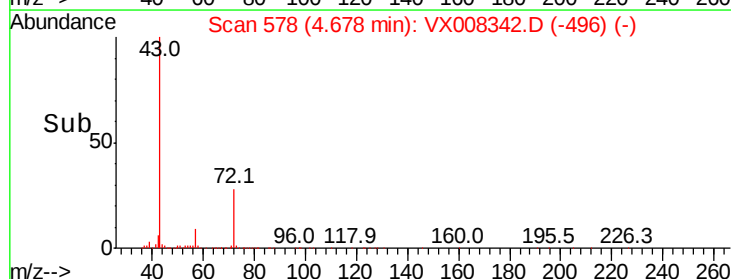
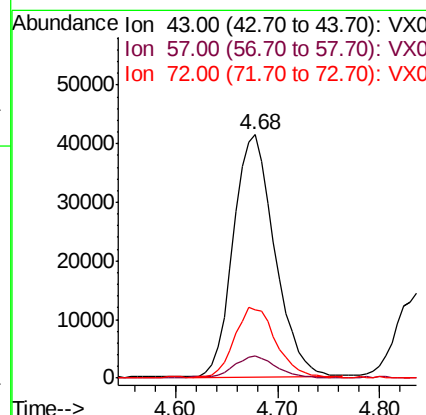
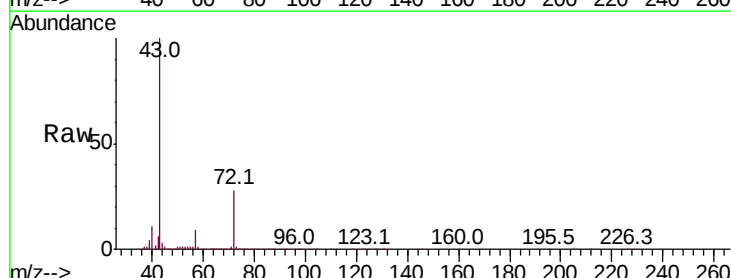
Manual Integrations
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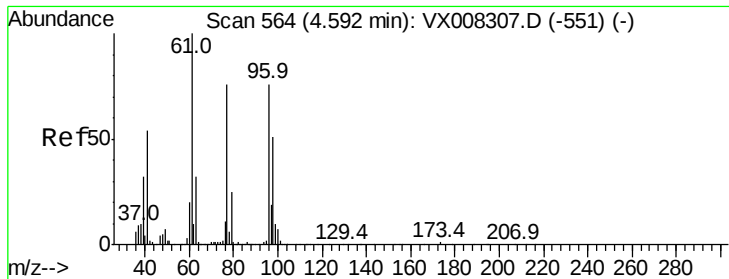
MMDadoda
 3/23/2019 9:33:19 AM



#30
 2-Butanone
 Concen: 89.955 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VX008342.D
 Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.7	7.0	10.6
72	28.5	21.5	32.3





#31

2,2-Dichloropropane

Concen: 17.459 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBSD01

Tot Ion: 77 Resp: 36882

Ion Ratio Lower Upper

77 100

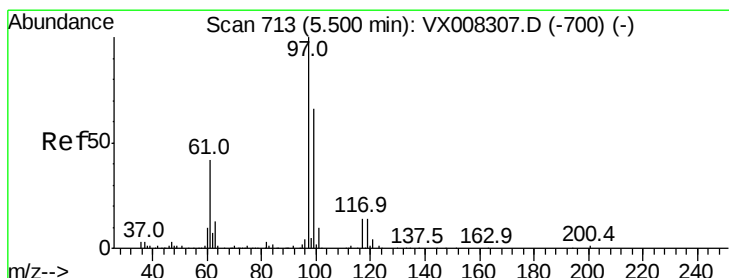
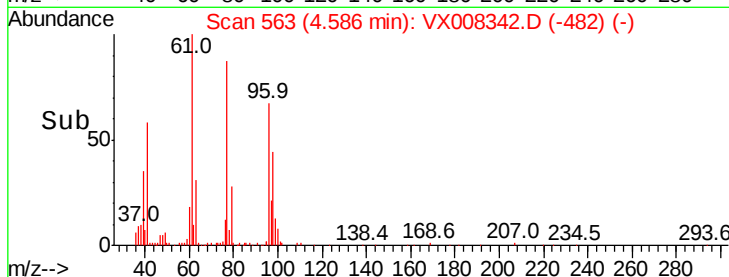
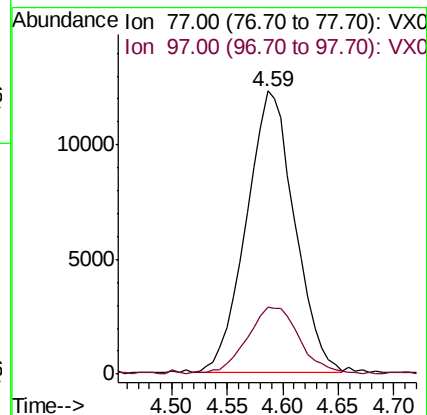
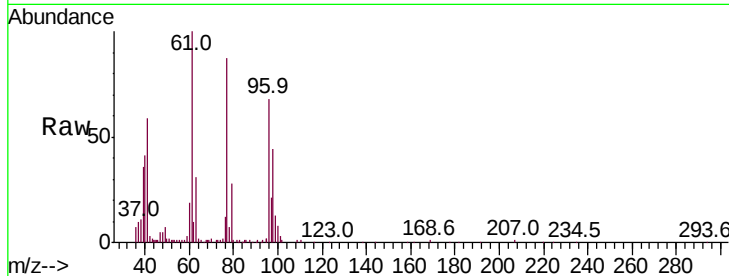
97 25.9 20.6 31.0

Manual Integrations

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MMDadoda

3/23/2019 9:33:19 AM



#32

1,1,1-Trichloroethane

Concen: 19.808 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

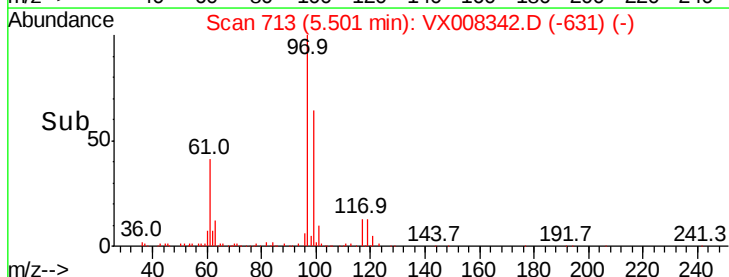
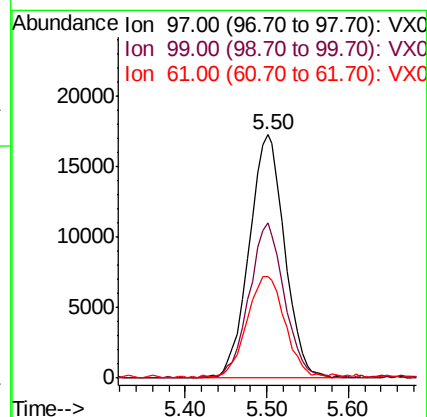
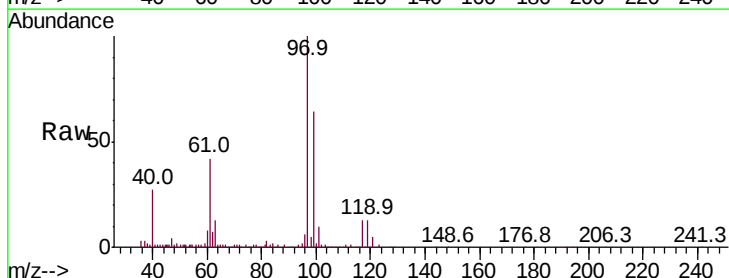
Tgt Ion: 97 Resp: 52294

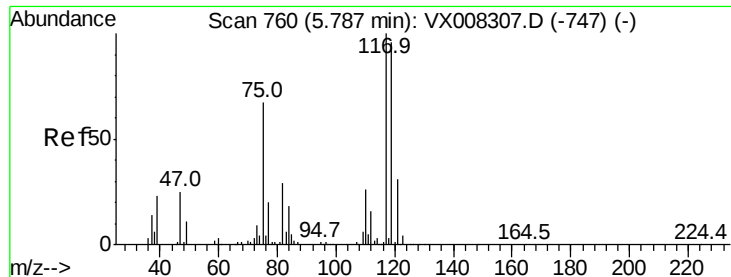
Ion Ratio Lower Upper

97 100

99 63.1 51.7 77.5

61 44.2 32.8 49.2





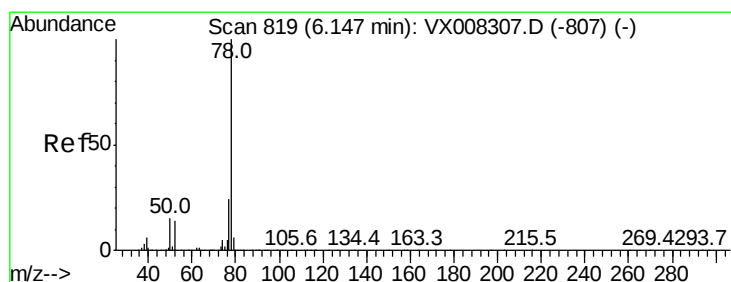
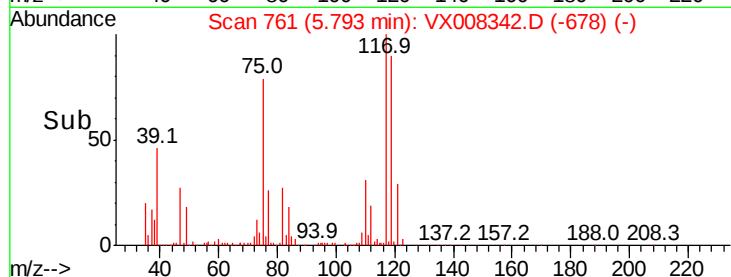
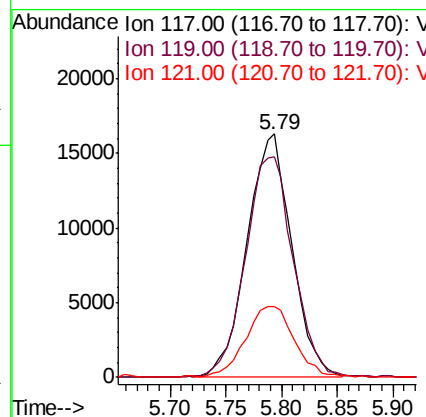
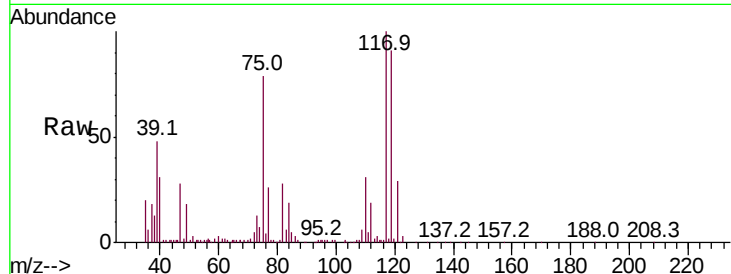
#33
Carbon Tetrachloride
Concen: 18.684 ug/l
RT: 5.79 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	90.1	78.1	117.1
121	28.4	27.0	40.6

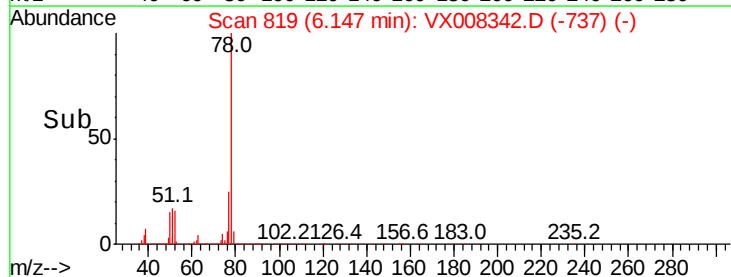
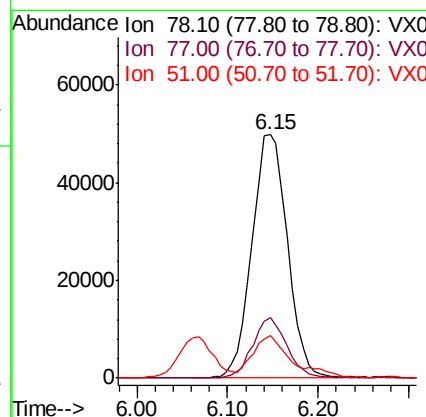
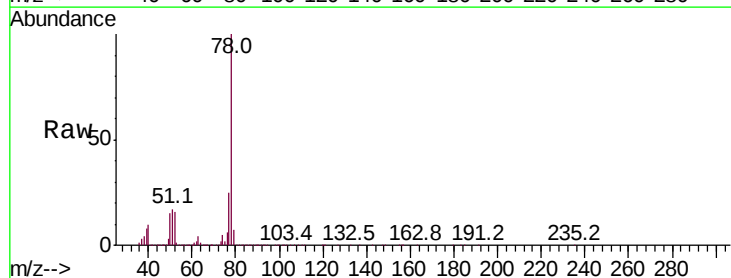
Manual Integrations
APPROVED

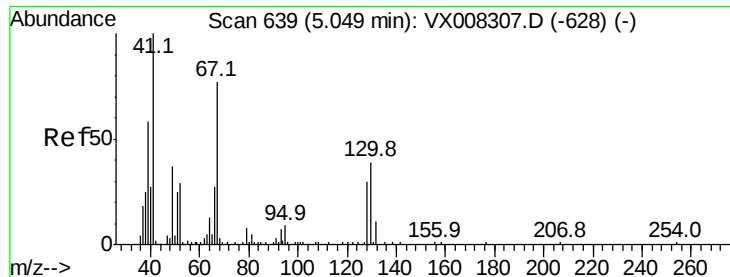
MMDadoda
3/23/2019 9:33:19 AM



#34
Benzene
Concen: 20.265 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.1	28.7
51	16.7	10.8	16.2#





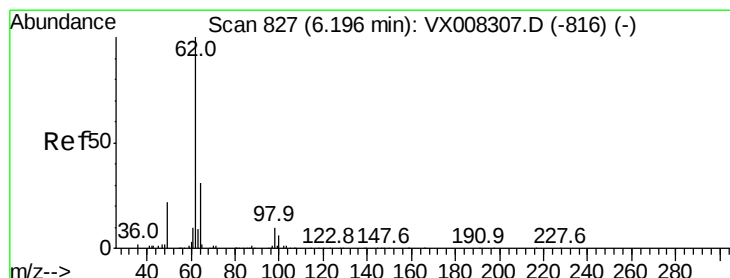
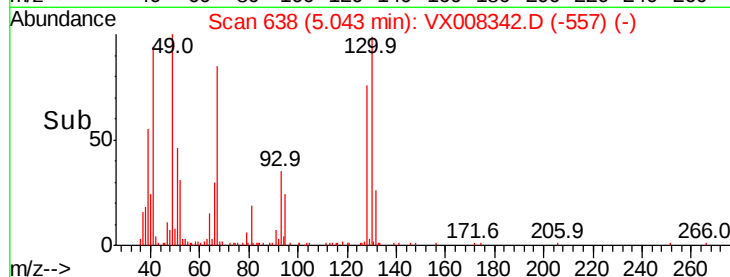
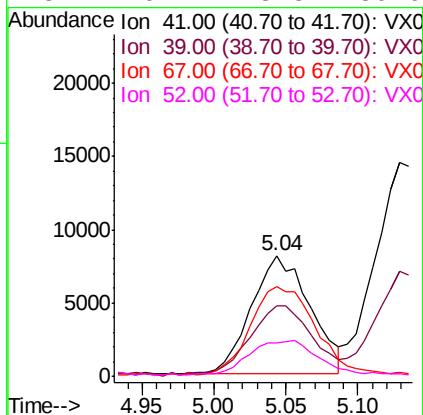
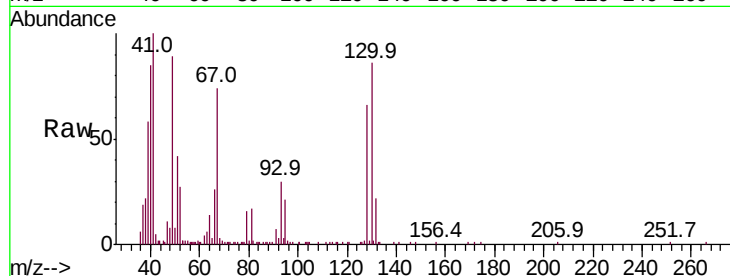
#35
Methacrylonitrile
Concen: 19.049 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.3	27.4	82.0
67	73.5	37.9	113.6
52	26.4	13.3	39.9

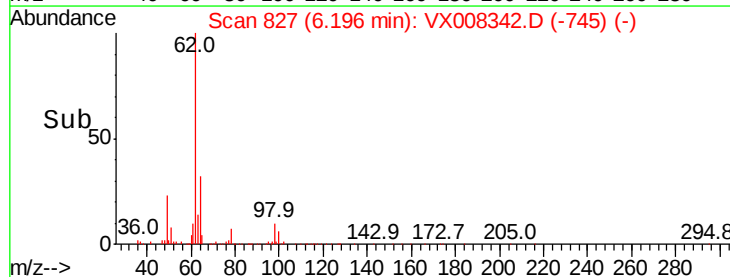
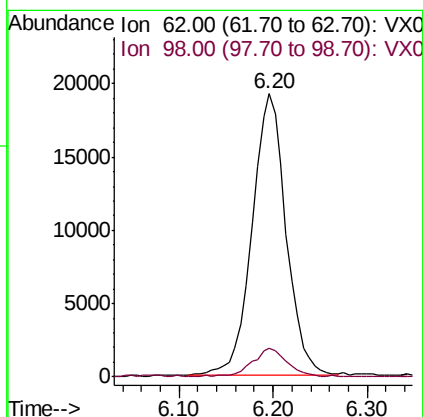
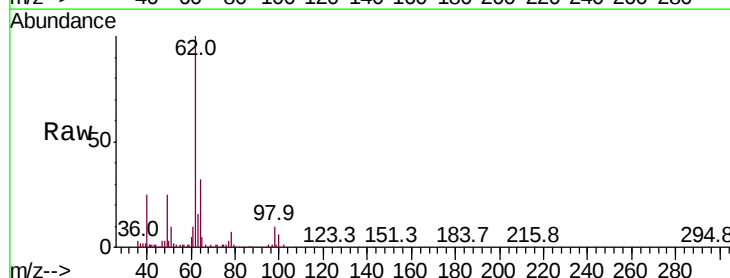
Manual Integrations
APPROVED

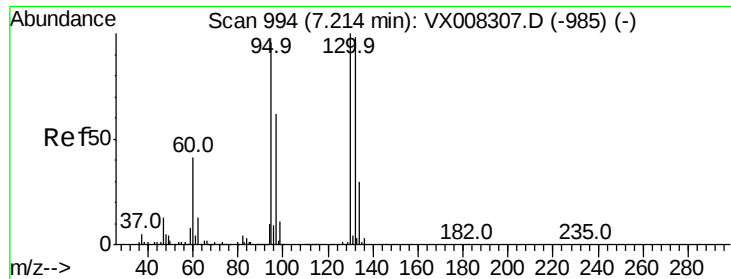
MMDadoda
3/23/2019 9:33:19 AM



#36
1,2-Dichloroethane
Concen: 19.694 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	7.8	11.8





#37

Trichloroethene

Concen: 18.953 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBSD01

Tot Ion:130 Resp: 37244

Ion Ratio Lower Upper

130 100

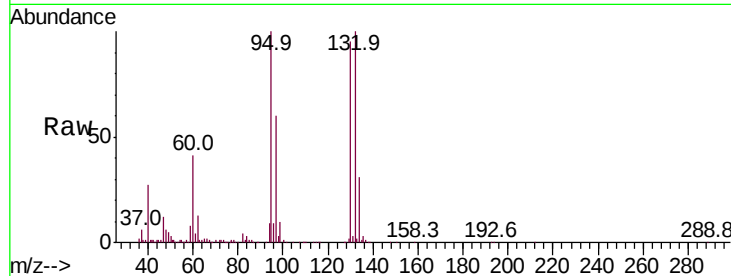
95 105.1 71.3 106.9

Manual Integrations

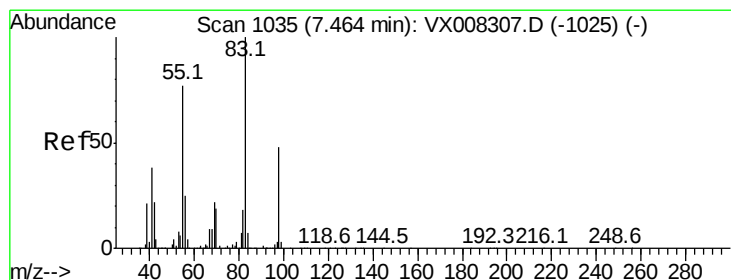
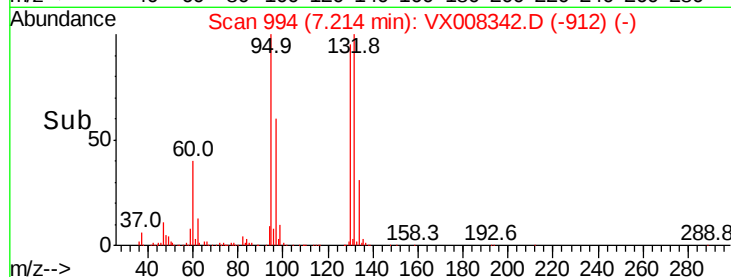
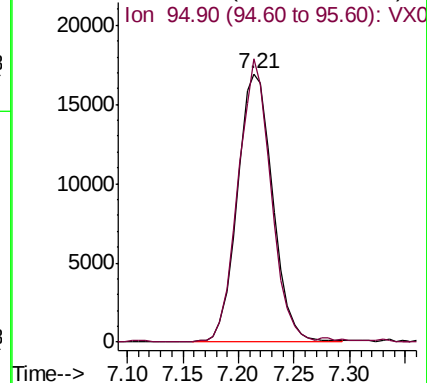
APPROVED

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3/23/2019 9:33:19 AM



Abundance Ion 129.90 (129.60 to 130.60): V



#38

Methylcyclohexane

Concen: 18.436 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

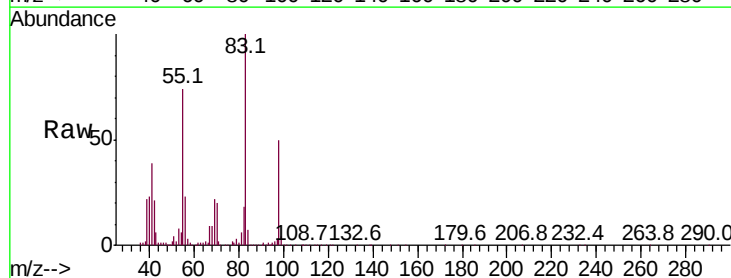
Tgt Ion: 83 Resp: 51844

Ion Ratio Lower Upper

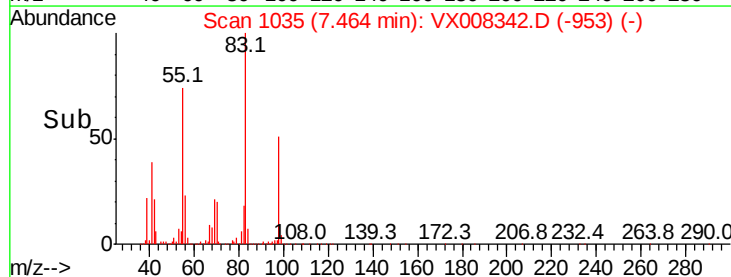
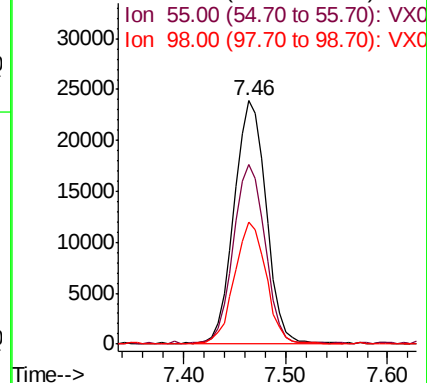
83 100

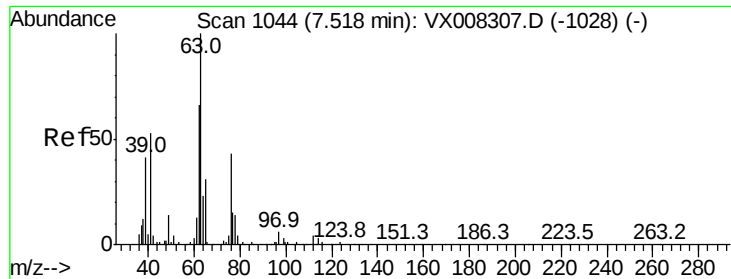
55 72.9 36.0 108.0

98 49.7 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0





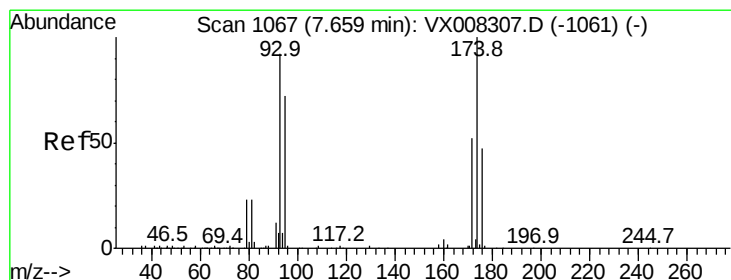
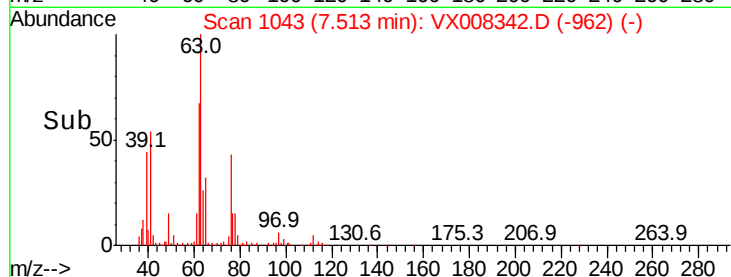
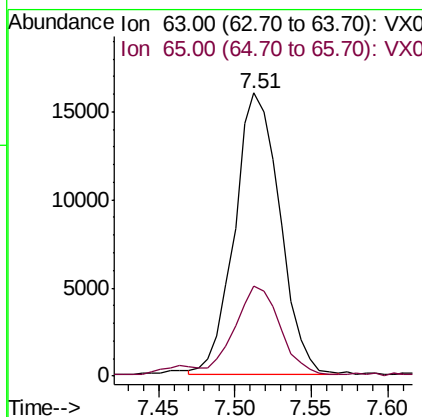
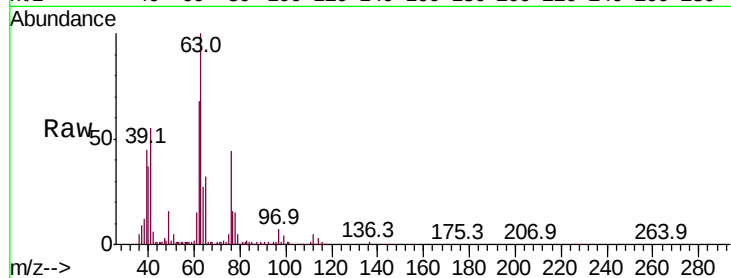
#39
1,2-Dichloropropane
Concen: 19.414 ug/l
RT: 7.51 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.6	37.0

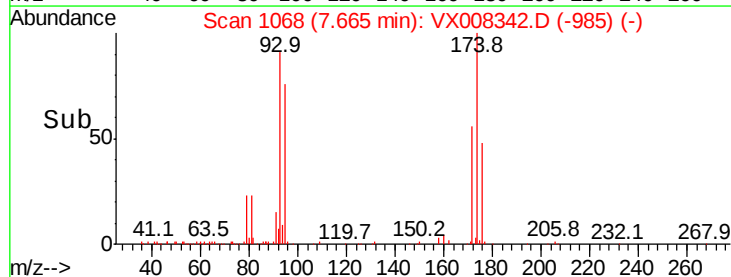
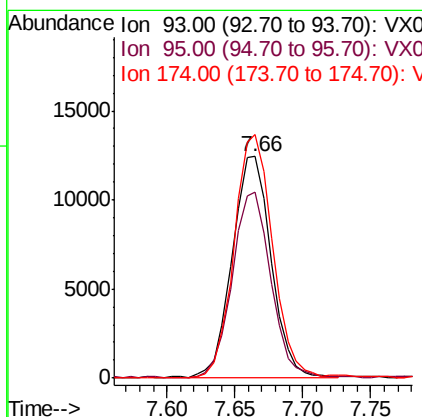
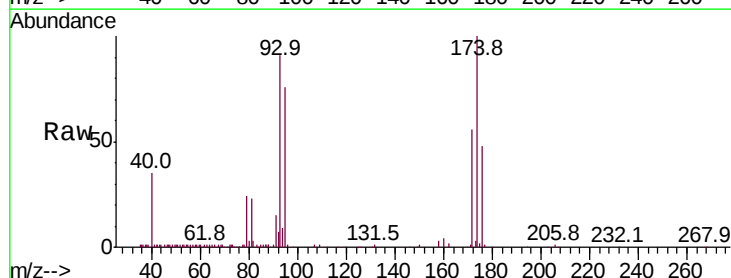
Manual Integrations
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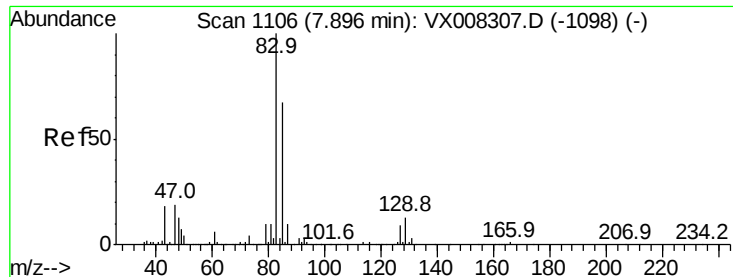
MMDadoda
3/23/2019 9:33:19 AM



#40
Dibromomethane
Concen: 20.049 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	0.0	158.8
174	108.0	0.0	224.2





#41

Bromodichloromethane

Concen: 19.338 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBSD01

Tot Ion: 83 Resp: 45768

Ion Ratio Lower Upper

83 100

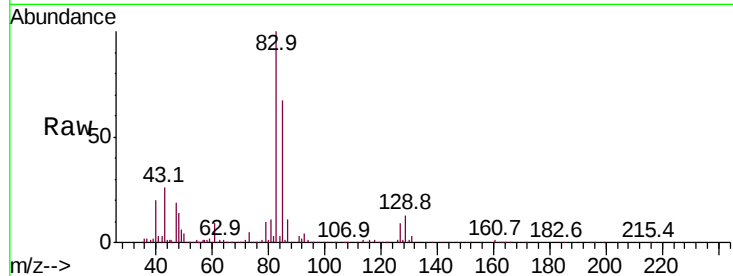
85 67.1 51.1 76.7

127 9.4 7.2 10.8

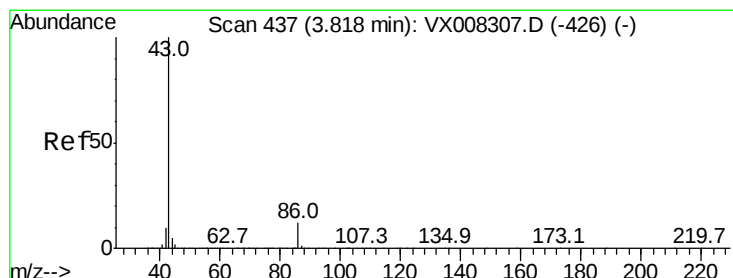
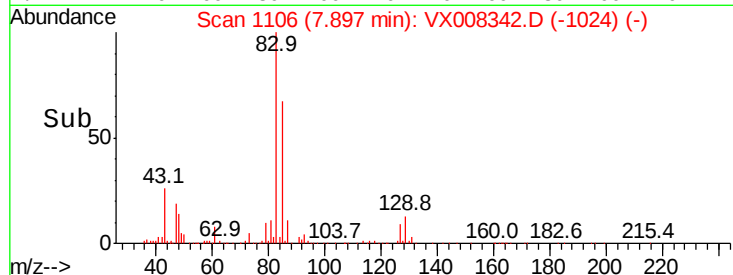
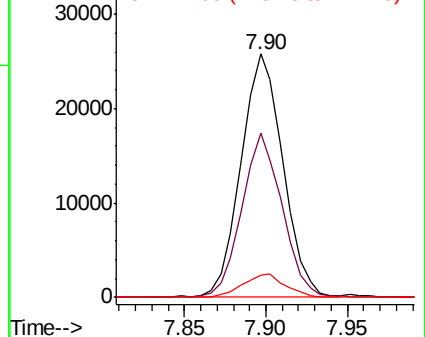
Manual Integrations
APPROVED

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3/23/2019 9:33:19 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 98.433 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX008342.D

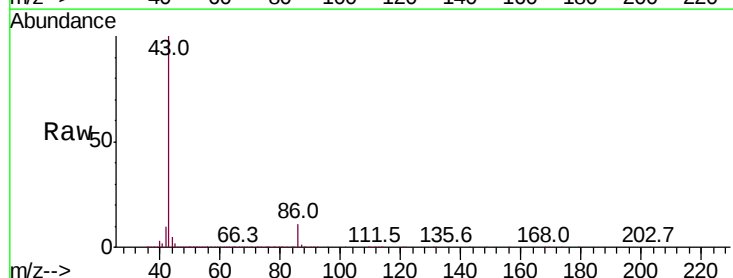
Acq: 22 Mar 2019 16:38

Tgt Ion: 43 Resp: 427564

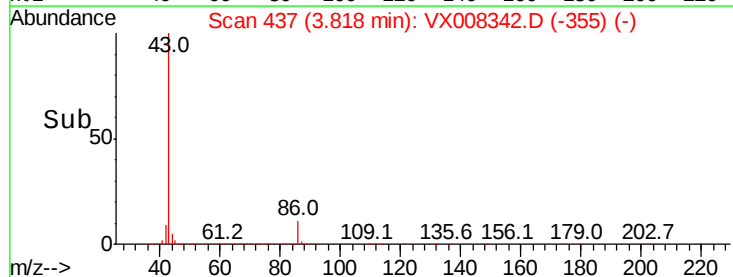
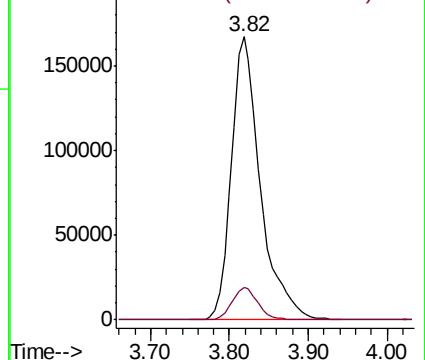
Ion Ratio Lower Upper

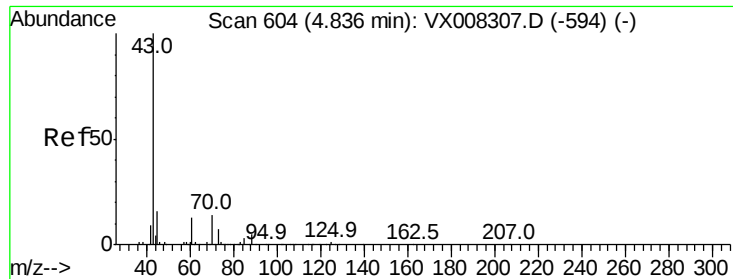
43 100

86 10.1 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 19.158 ug/l

RT: 4.84 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBSD01

Tot Ion: 43 Resp: 43704

Ion Ratio Lower Upper

43 100

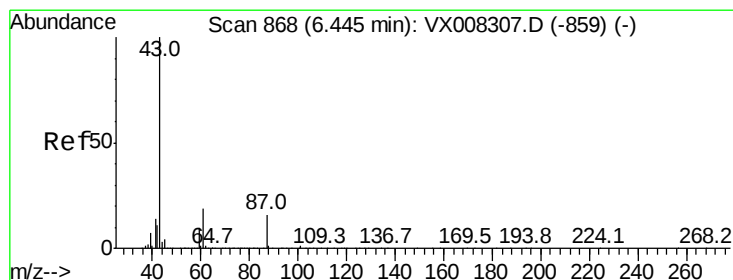
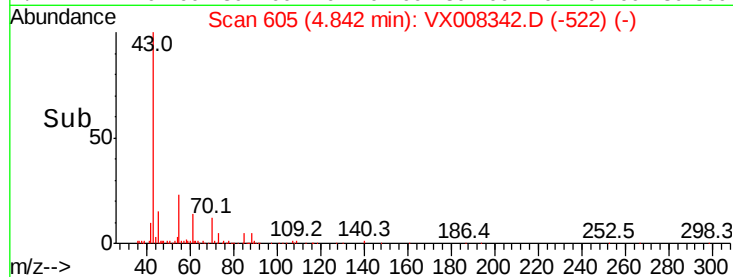
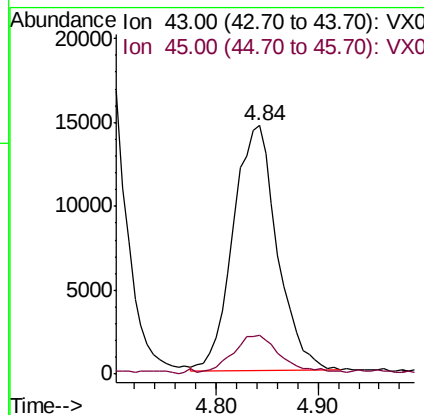
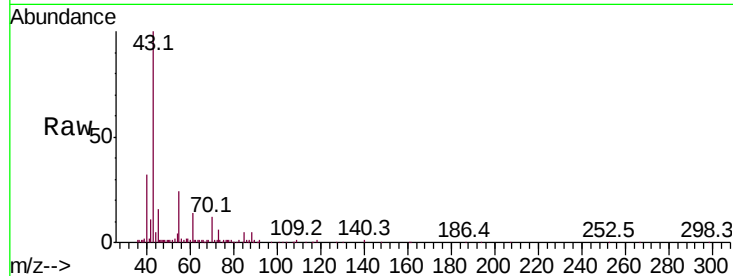
45 15.6 6.9 10.3#

Manual Integrations

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3/23/2019 9:33:19 AM



#44

Isopropyl Acetate

Concen: 19.398 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008342.D

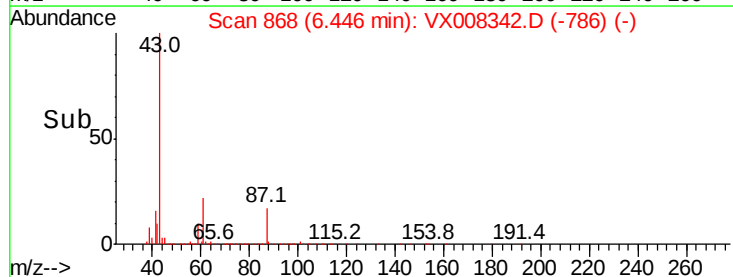
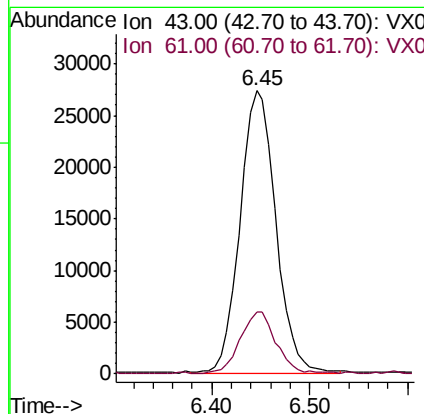
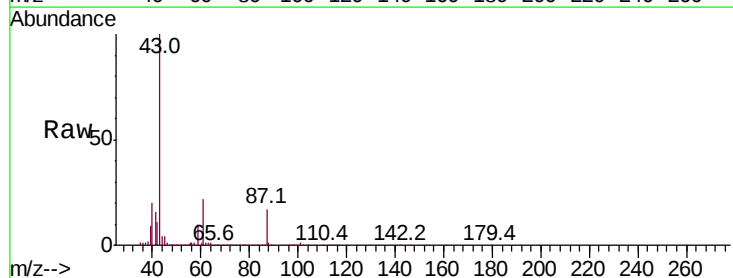
Acq: 22 Mar 2019 16:38

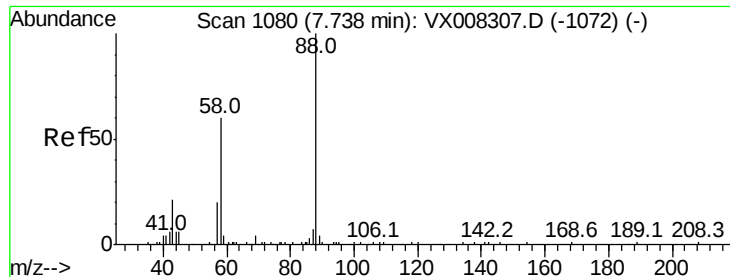
Tgt Ion: 43 Resp: 69641

Ion Ratio Lower Upper

43 100

61 21.1 16.1 24.1





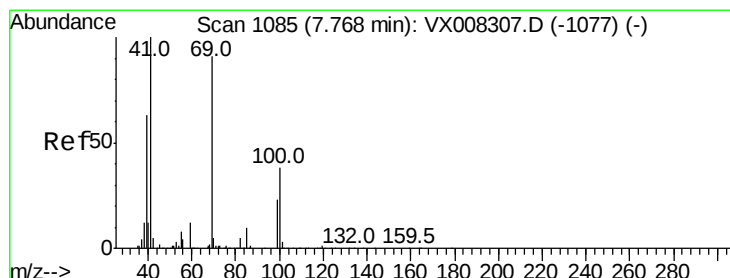
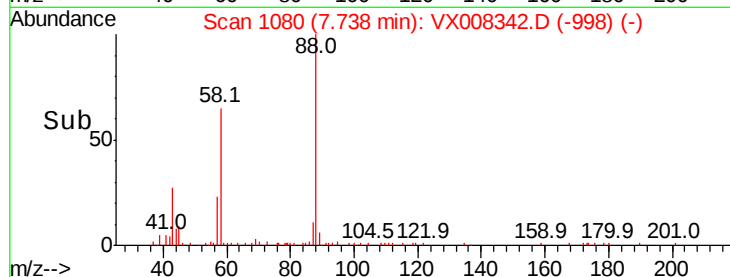
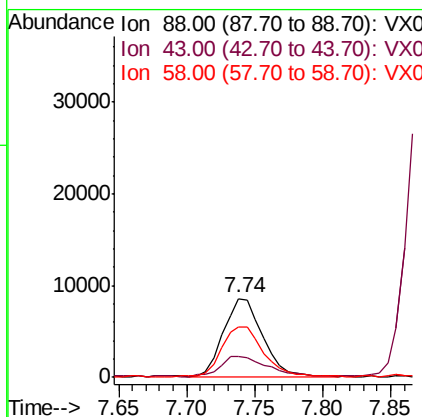
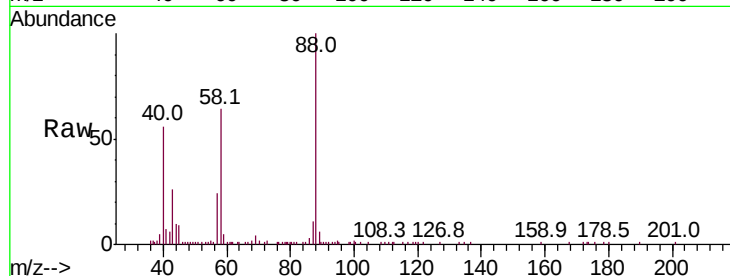
#45
 1,4-Dioxane
 Concen: 388.115 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX008342.D
 Acq: 22 Mar 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	23.6	35.4
58	69.0	51.6	77.4

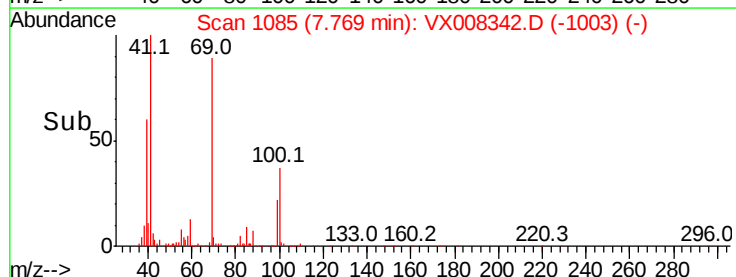
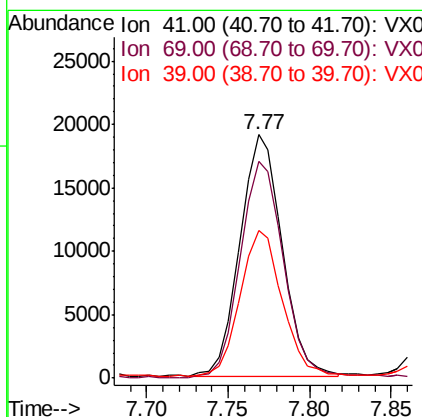
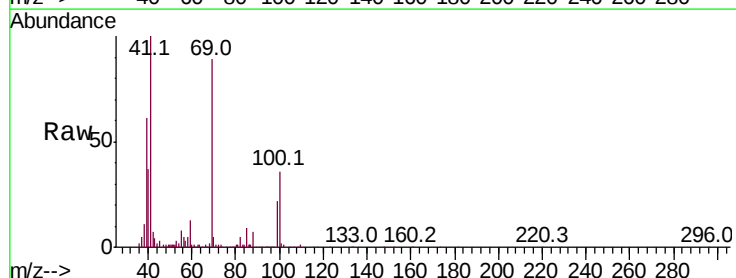
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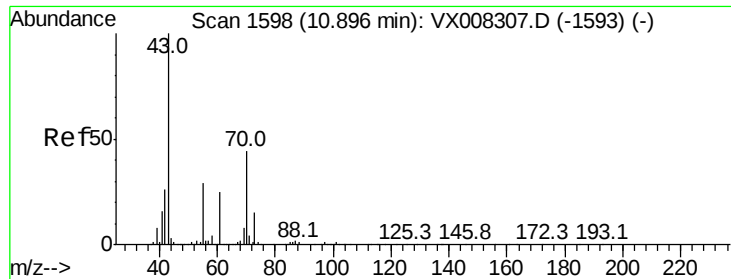
MMDadoda
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#46
 Methyl methacrylate
 Concen: 19.412 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX008342.D
 Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.5	44.2	132.6
39	60.4	29.9	89.8





#47

n-amvl Acetate

Concen: 18.832 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBSD01

Tot Ion: 43 Resp: 57964

Ion Ratio Lower Upper

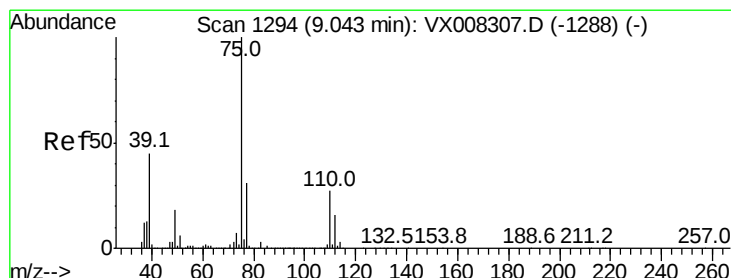
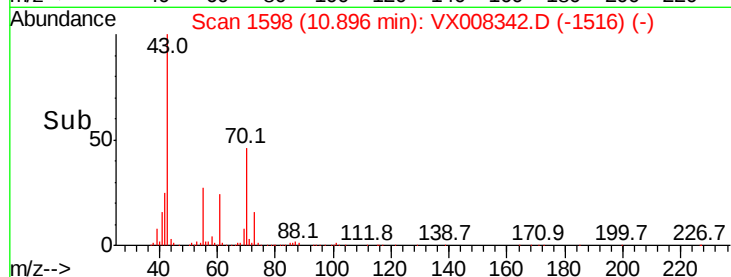
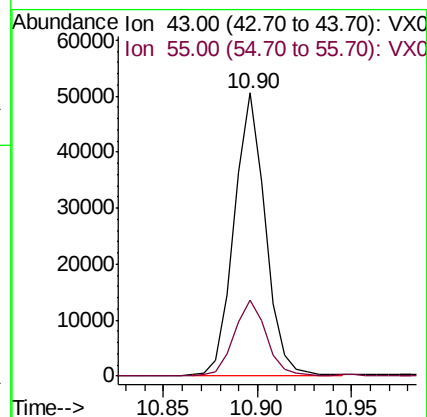
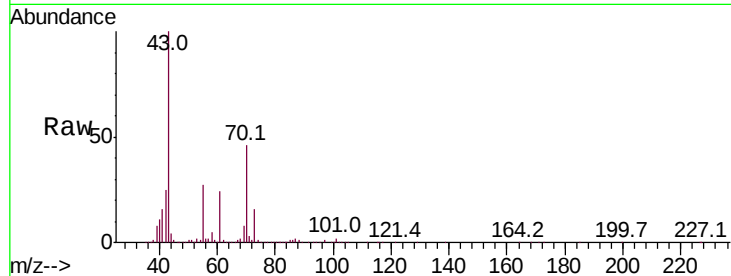
43 100

55 27.3 20.8 31.2

Manual Integrations
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MMDadoda

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#48

t-1,3-Dichloropropene

Concen: 17.966 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008342.D

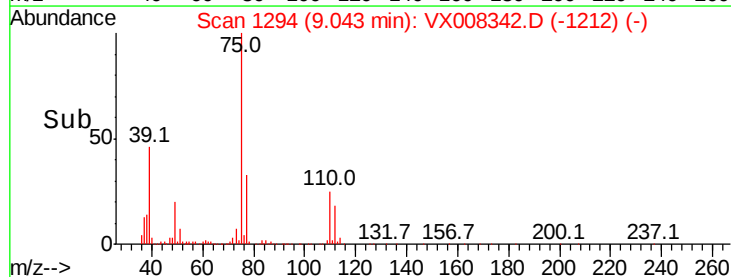
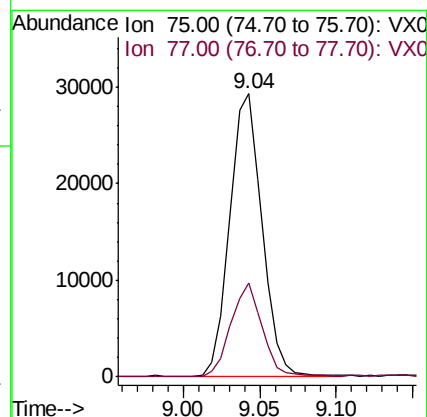
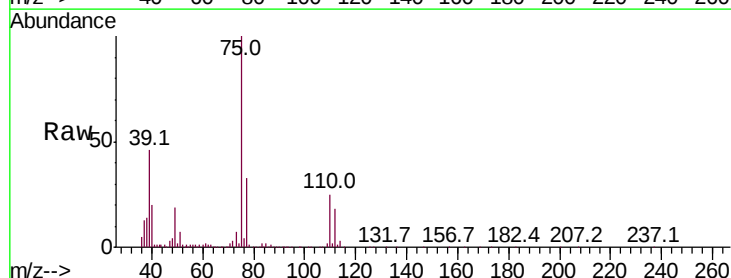
Acq: 22 Mar 2019 16:38

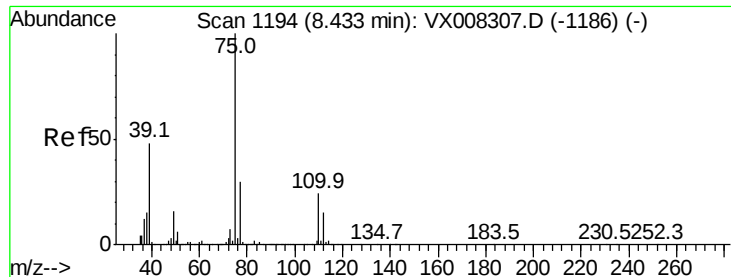
Tgt Ion: 75 Resp: 42574

Ion Ratio Lower Upper

75 100

77 33.0 24.5 36.7





#49

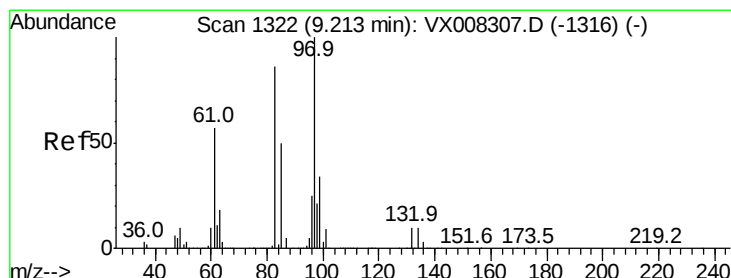
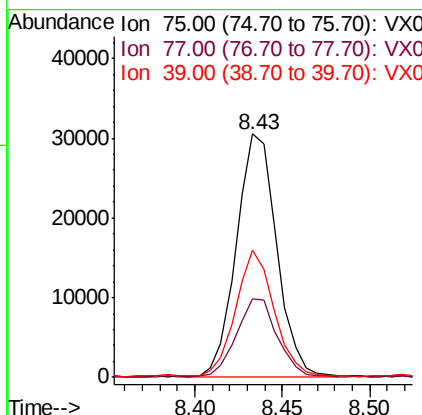
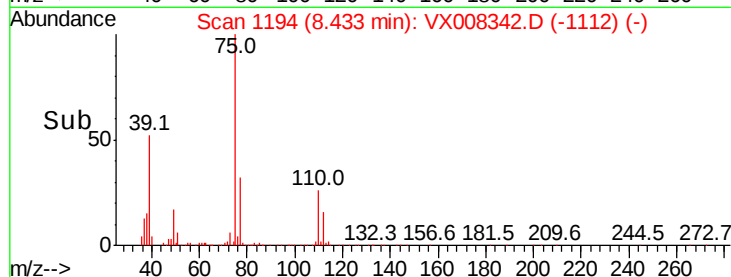
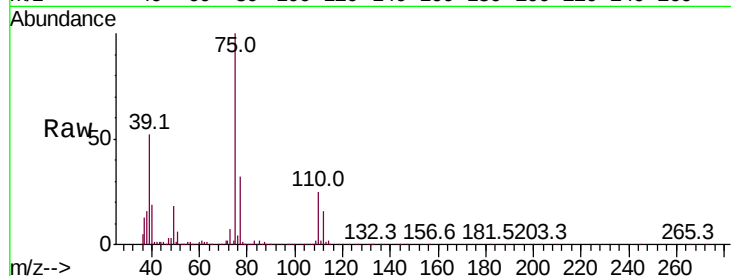
cis-1,3-Dichloropropene
 Concen: 18.518 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008342.D
 Acq: 22 Mar 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4
39	52.0	38.5	57.7

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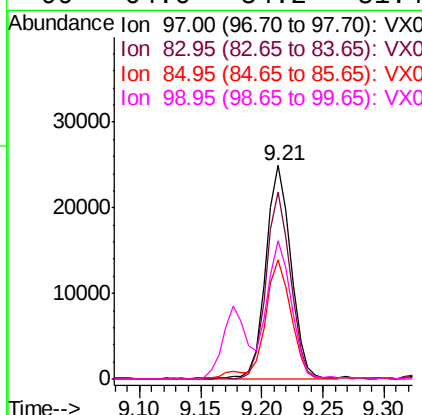
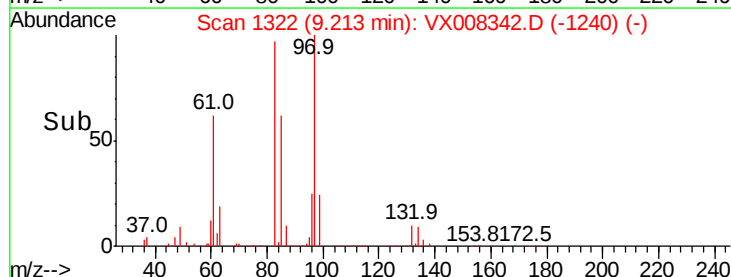
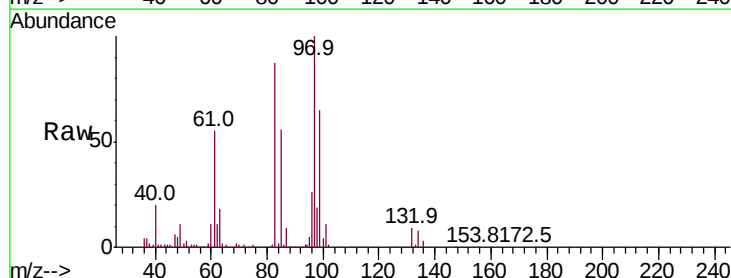
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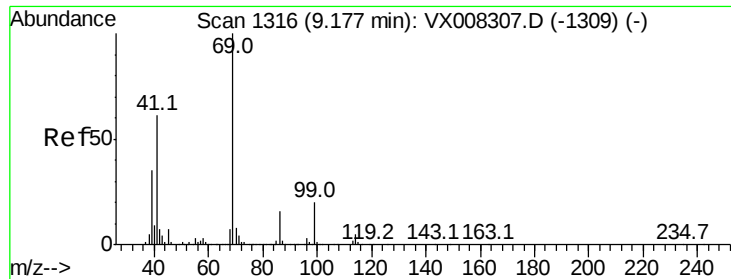


#50

1,1,2-Trichloroethane
 Concen: 20.156 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008342.D
 Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	72.0	108.0
85	55.7	45.0	67.6
99	64.6	54.2	81.4





#51

Ethyl methacrylate

Concen: 19.905 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

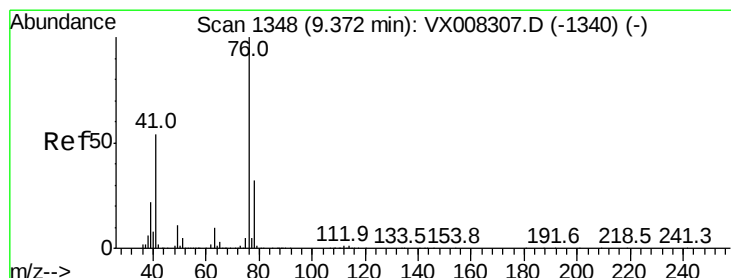
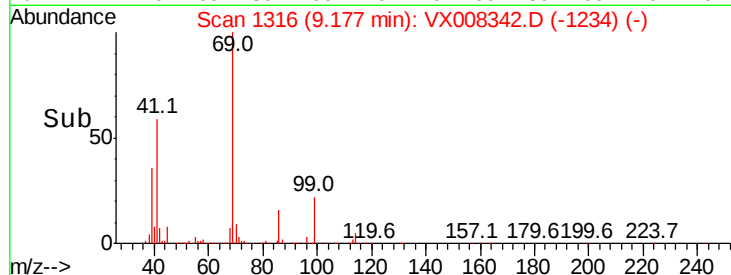
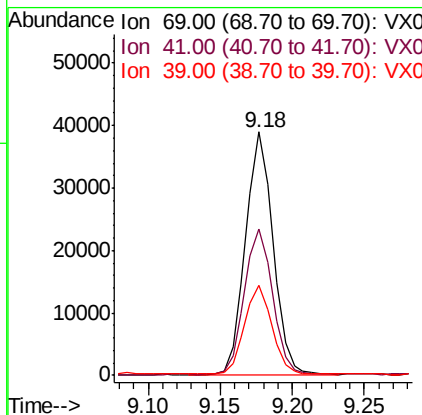
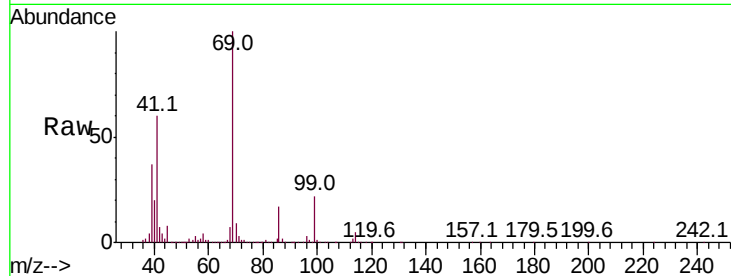
ClientSampled :

VX0322WBSD01

Tot Ion:	69	Resp:	52072
Ion Ratio	Lower	Upper	
69	100		
41	59.9	32.1	96.5
39	36.2	18.8	56.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.111 ug/l

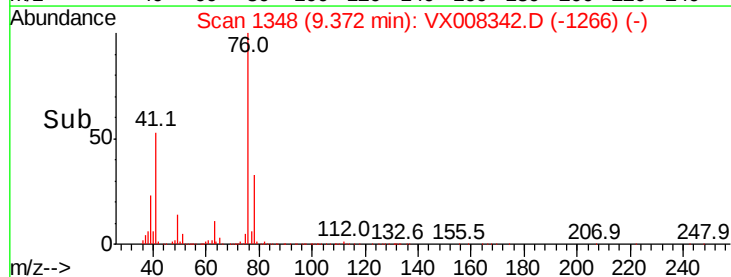
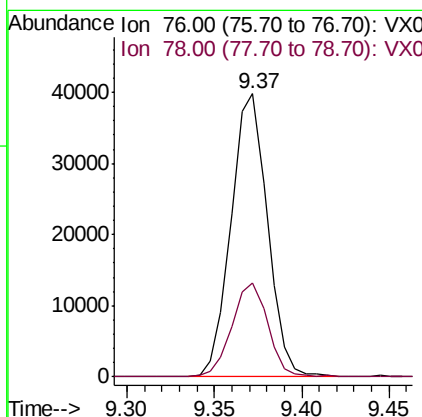
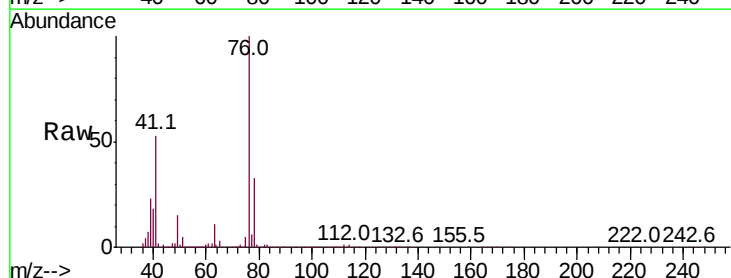
RT: 9.37 min Scan# 1348

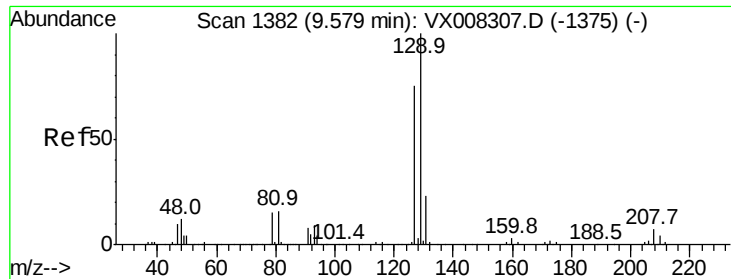
Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Tgt Ion:	76	Resp:	57795
Ion Ratio	Lower	Upper	
76	100		
78	32.4	0.0	65.2





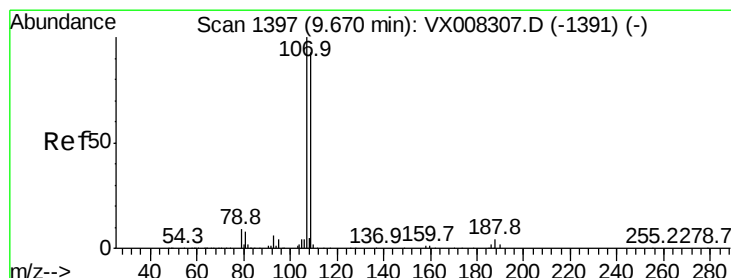
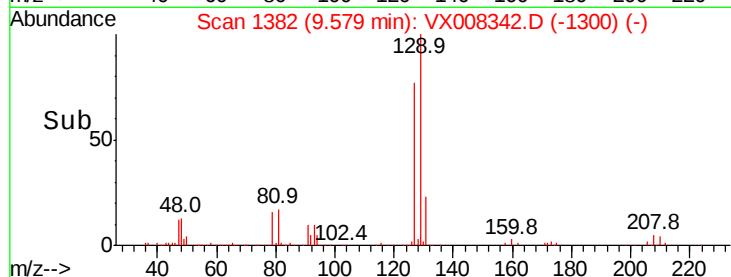
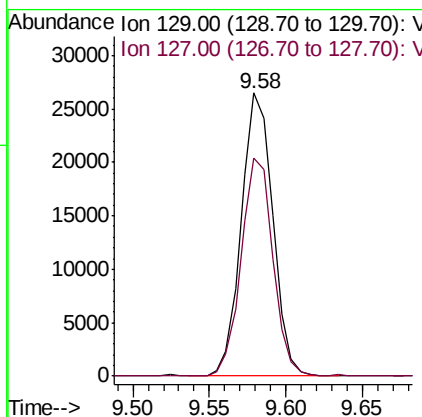
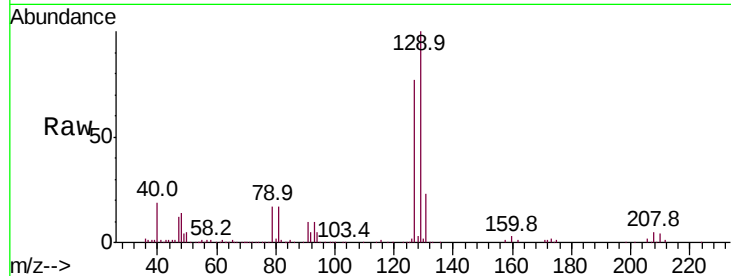
#53
Dibromochloromethane
Concen: 18.825 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBSD01

Tot Ion:129 Resp: 38025
Ion Ratio Lower Upper
129 100
127 77.6 38.4 115.2

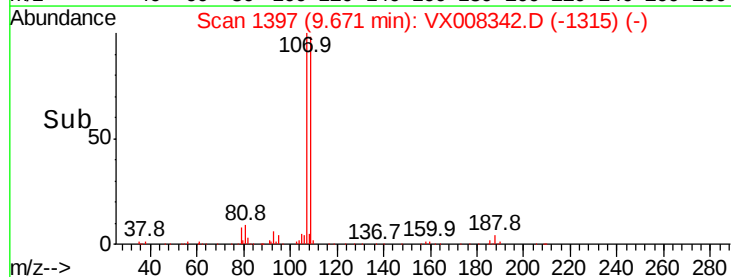
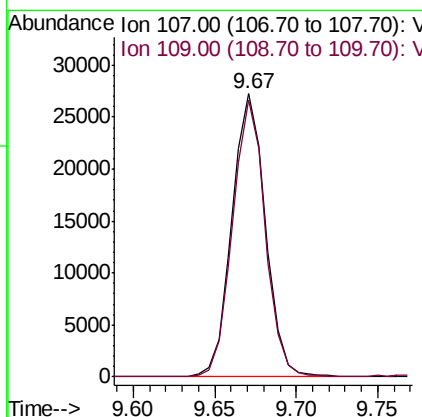
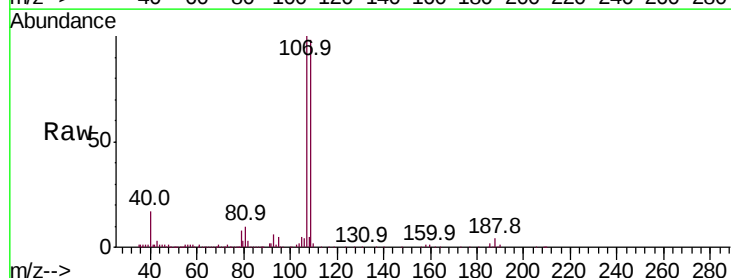
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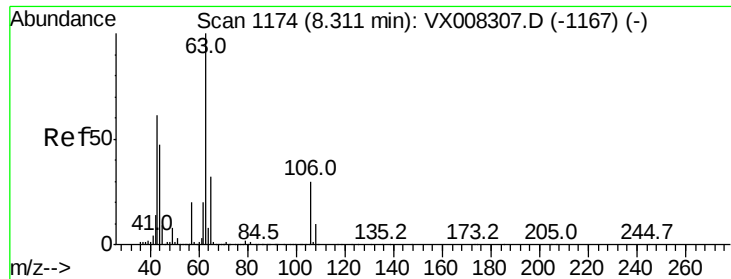
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#54
1,2-Dibromoethane
Concen: 19.803 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Tgt Ion:107 Resp: 38932
Ion Ratio Lower Upper
107 100
109 95.0 76.6 115.0





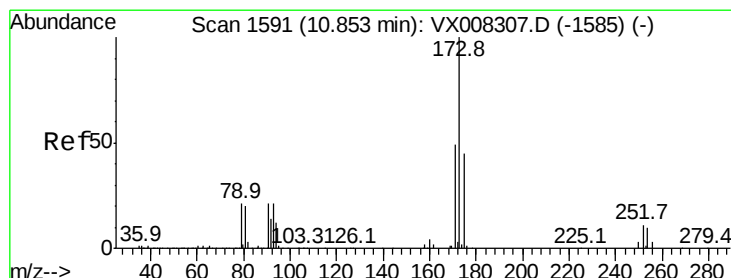
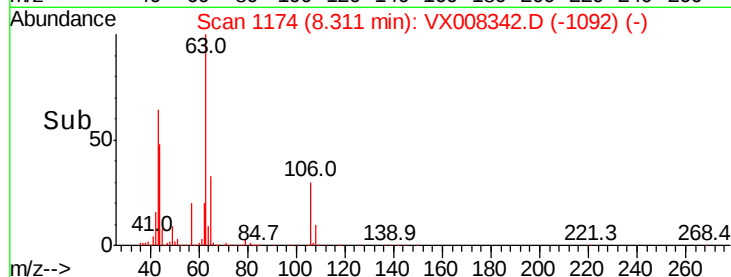
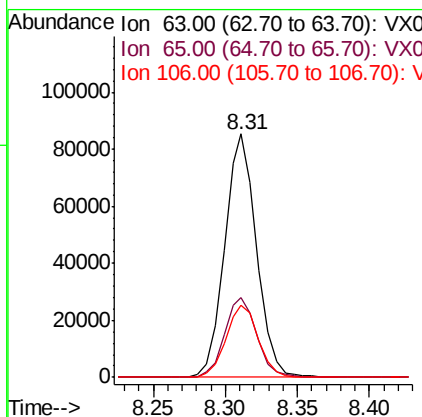
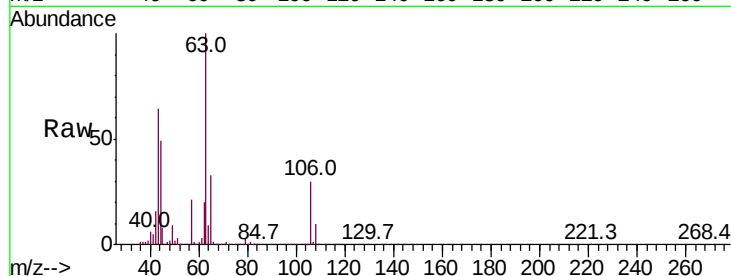
#55
2-Chloroethyl vinyl ether
Concen: 99.467 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.1	25.7	38.5
106	30.6	23.7	35.5

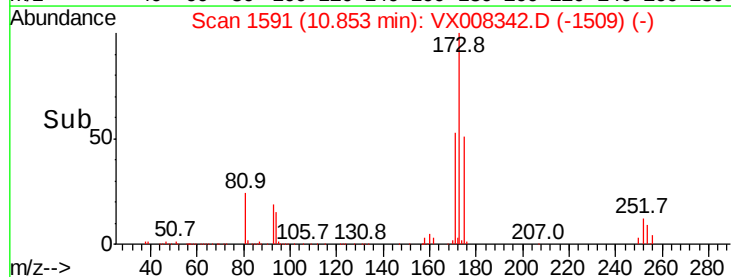
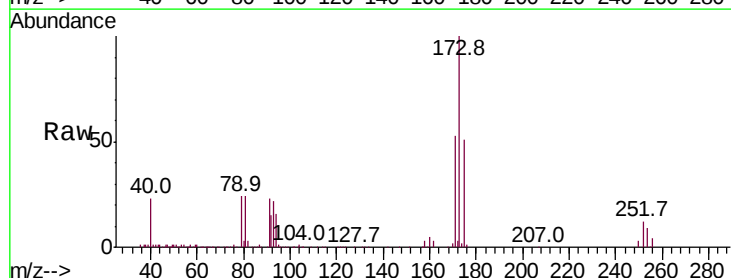
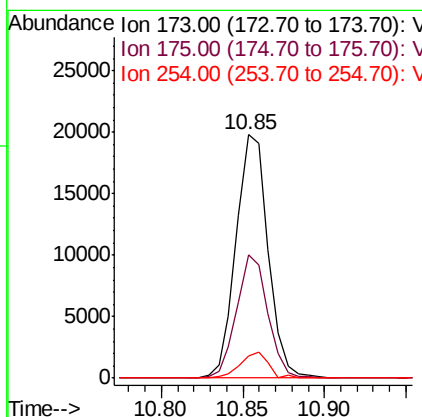
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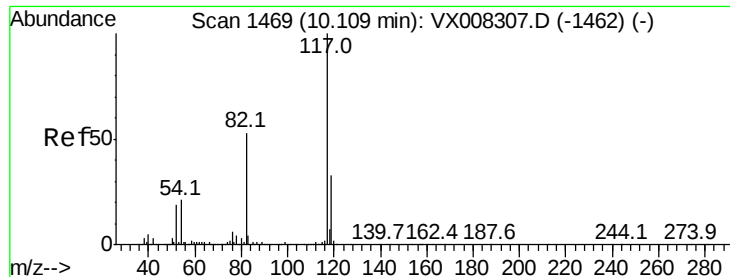
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#56
Bromoform
Concen: 17.032 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.5	57.7
254	9.2	7.4	11.2





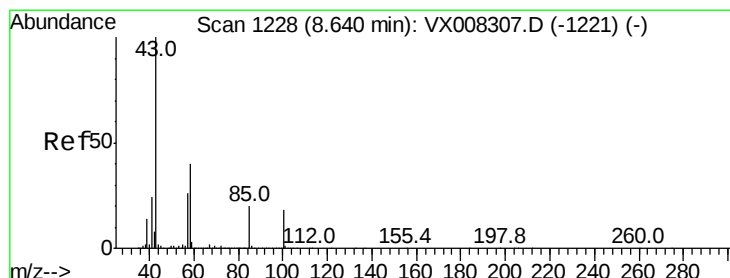
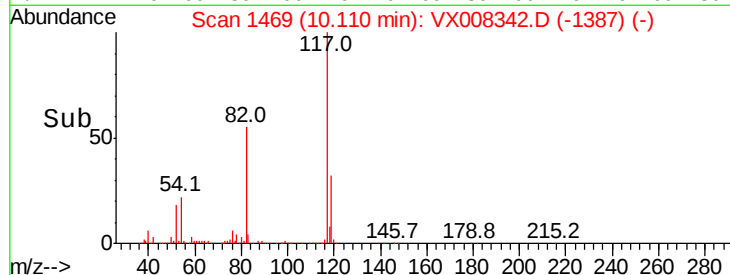
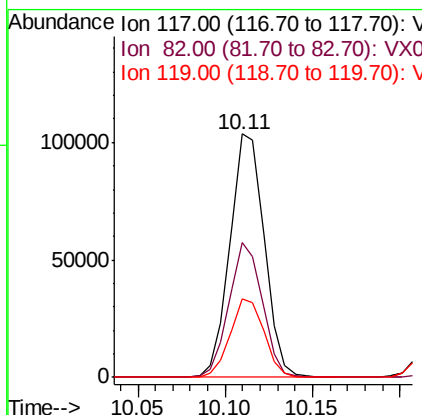
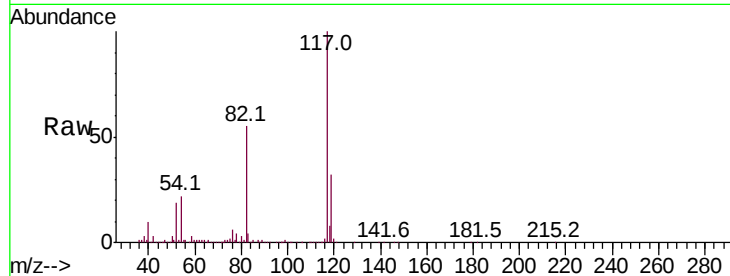
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBSD01

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	54.1	40.4	60.6
119	32.0	25.8	38.6

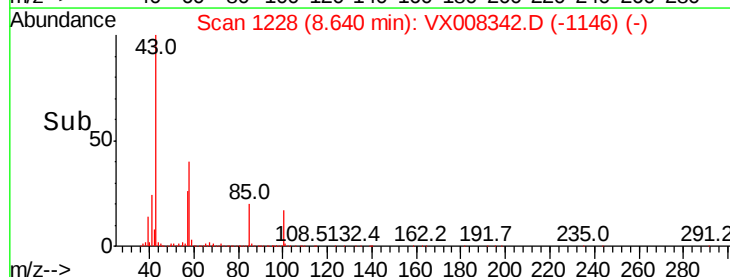
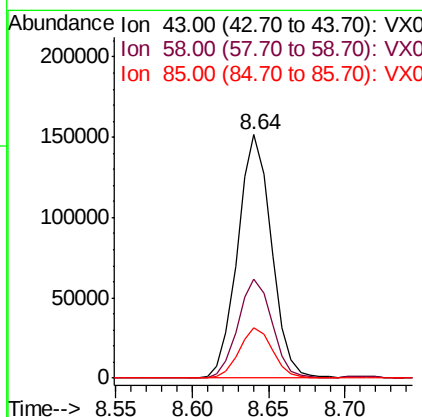
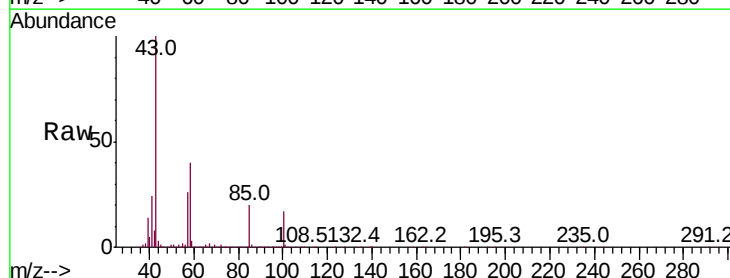
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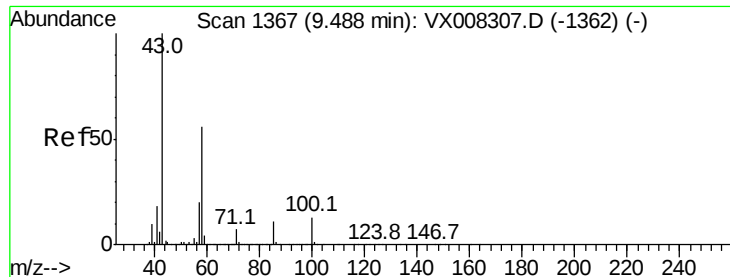
MMDadoda
3/23/2019 9:33:19 AM



#58
4-Methyl-2-Pentanone
Concen: 97.585 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	41.1	31.4	47.0
85	20.7	15.0	22.6





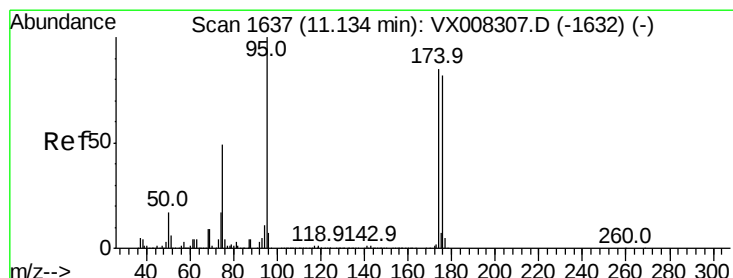
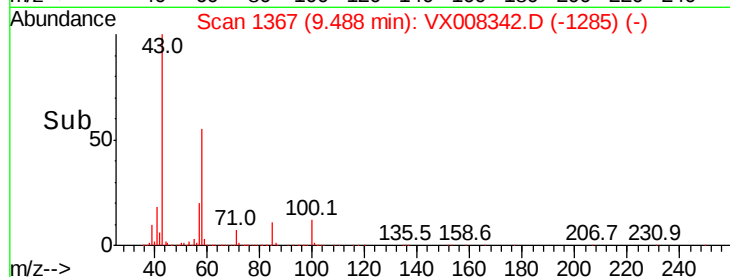
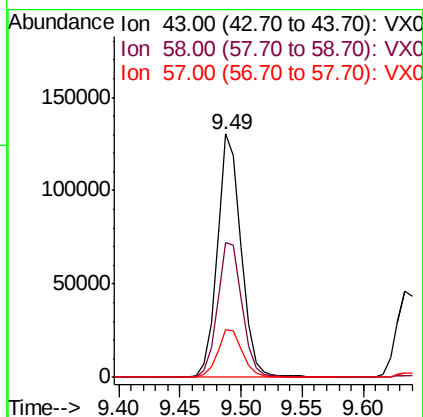
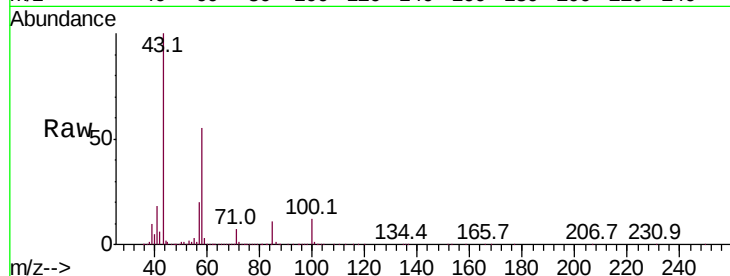
#59
2-Hexanone
Concen: 93.182 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.5	43.9	65.9
57	20.5	14.9	22.3

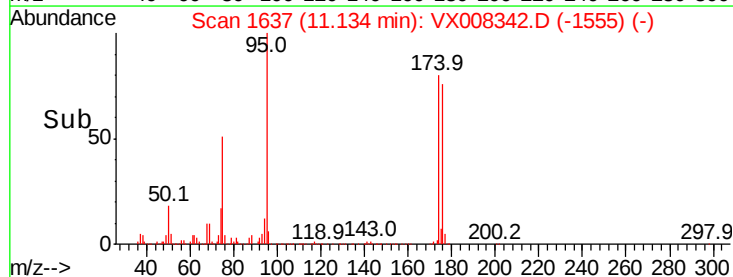
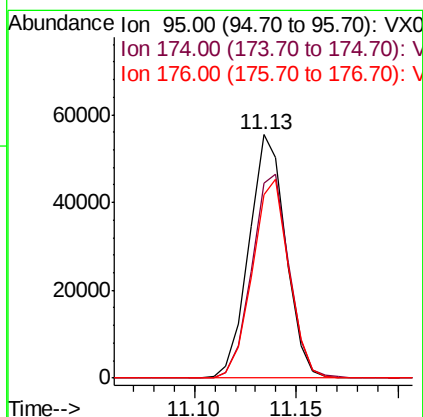
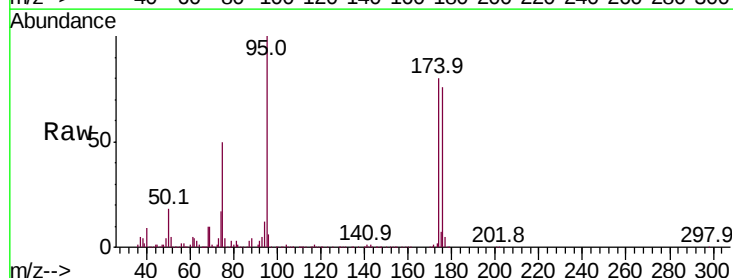
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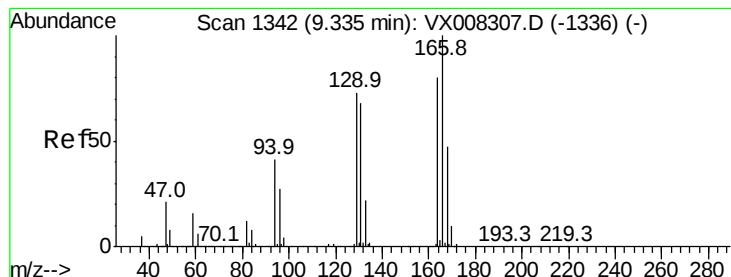
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 30.352 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.1	74.9	112.3
176	81.7	70.7	106.1





#61

Tetrachloroethene

Concen: 18.684 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBSD01

Tot Ion:164 Resp: 35465

Ion Ratio Lower Upper

164 100

166 122.9 103.9 155.9

129 93.6 74.7 112.1

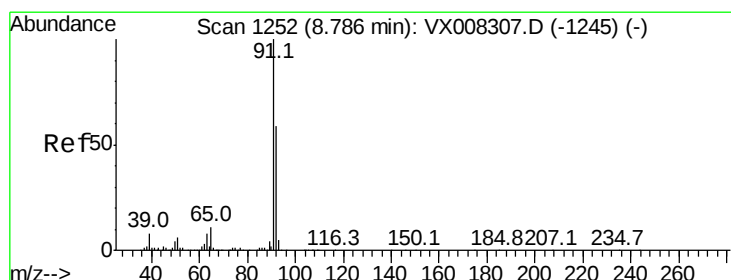
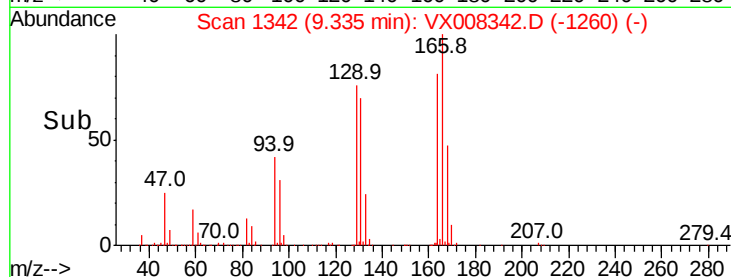
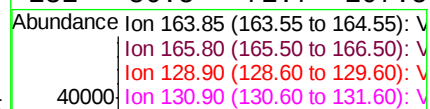
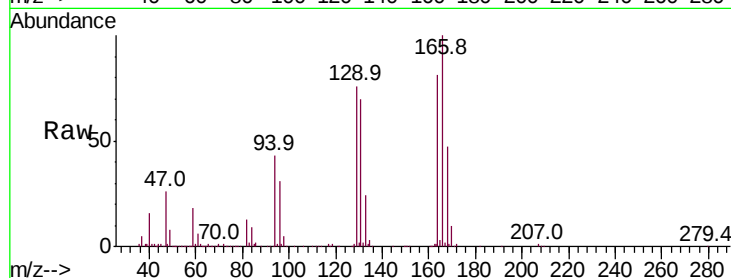
131 86.5 71.7 107.5

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#62

Toluene

Concen: 19.469 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008342.D

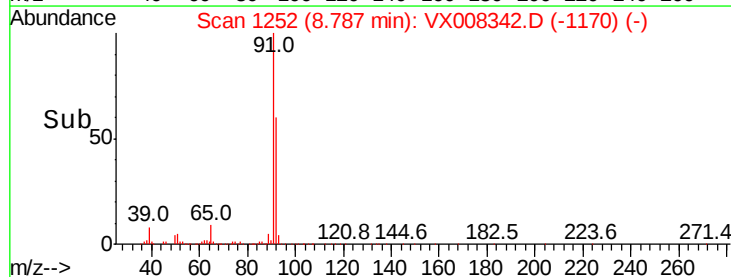
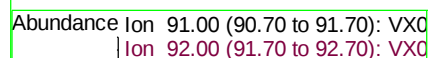
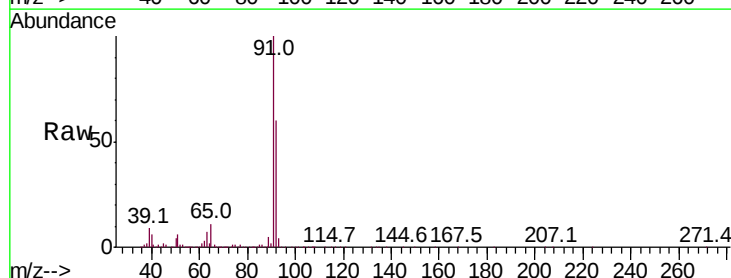
Acq: 22 Mar 2019 16:38

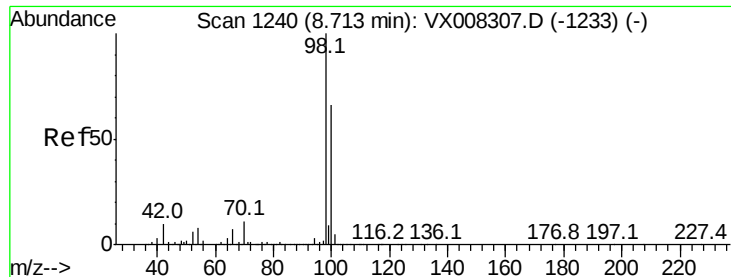
Tgt Ion: 91 Resp: 145722

Ion Ratio Lower Upper

91 100

92 58.8 46.4 69.6





#63

Toluene-d8

Concen: 30.534 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBSD01

Tot Ion: 98 Resp: 193986

Ion Ratio Lower Upper

98 100

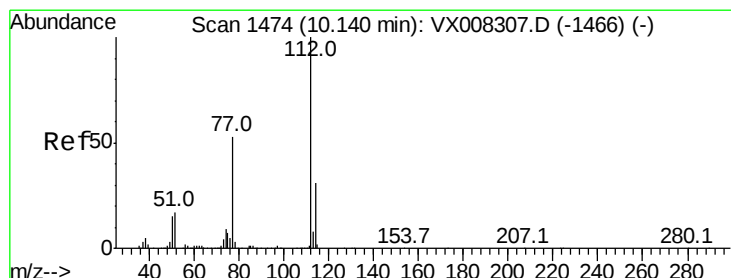
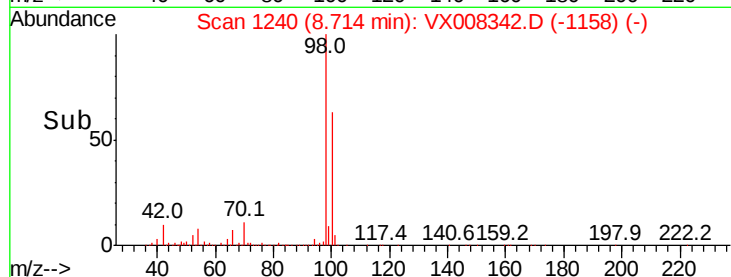
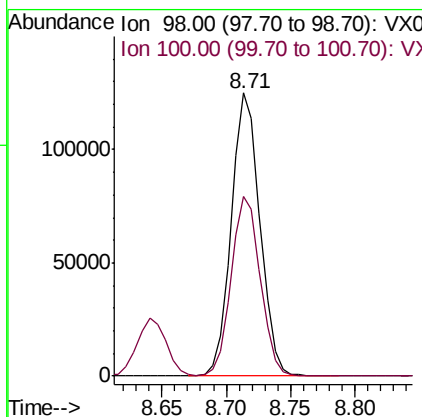
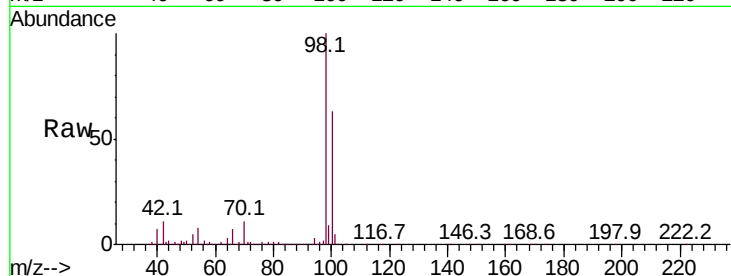
100 63.6 50.9 76.3

Manual Integrations

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#64

Chlorobenzene

Concen: 19.041 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008342.D

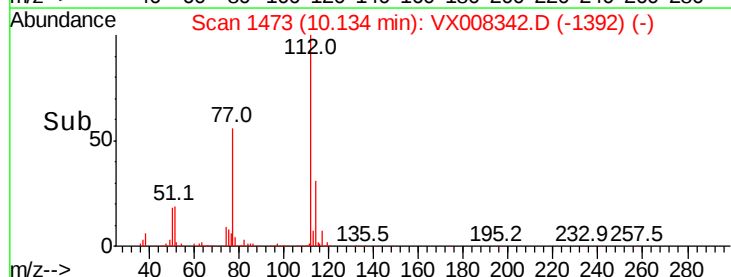
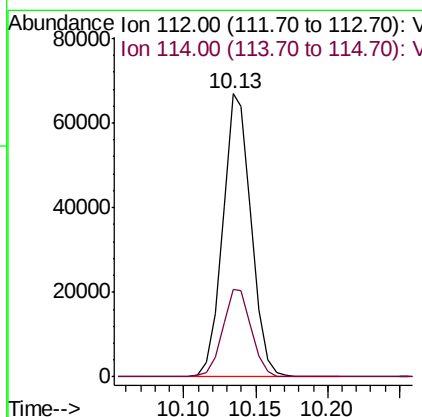
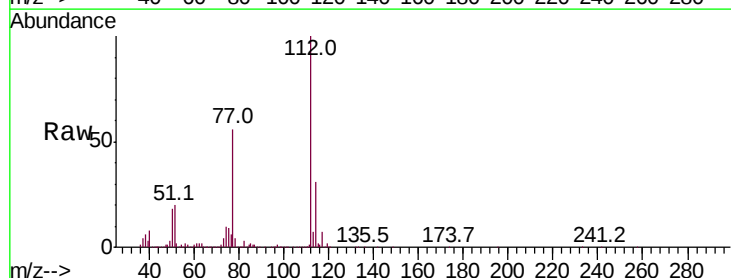
Acq: 22 Mar 2019 16:38

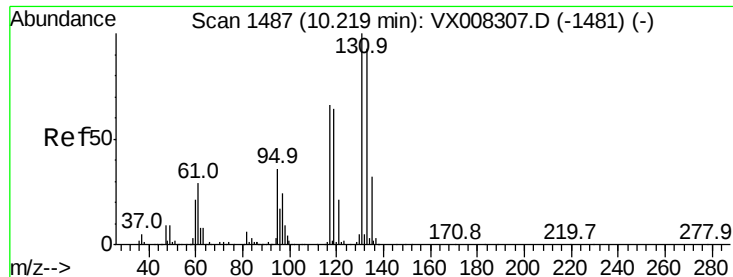
Tgt Ion: 112 Resp: 91881

Ion Ratio Lower Upper

112 100

114 30.9 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 18.546 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

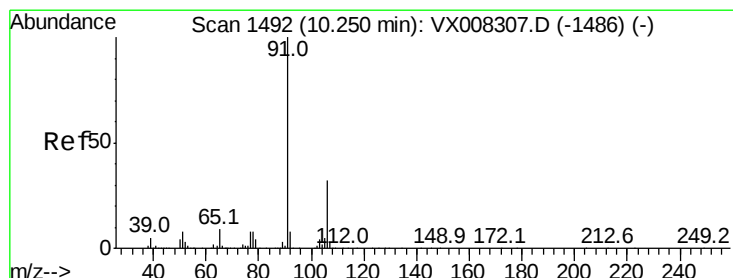
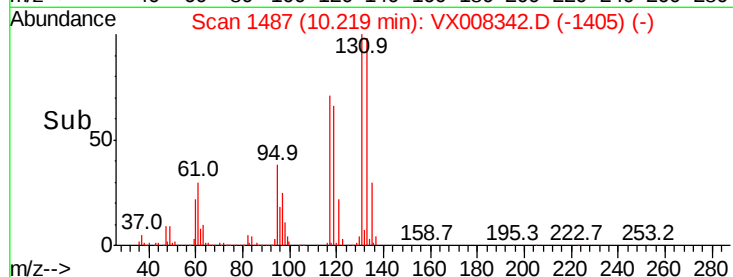
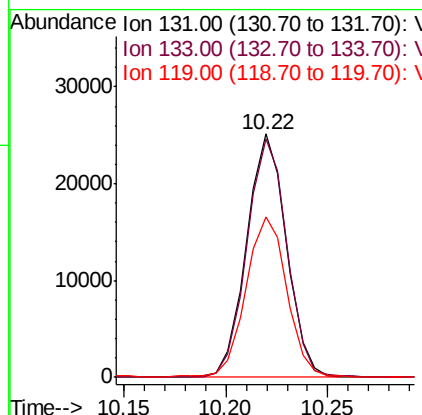
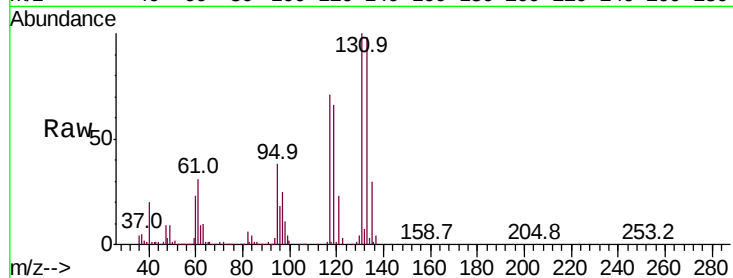
ClientSampleId :

VX0322WBSD01

Tot Ion:	131	Resp:	34180
Ion Ratio	Lower	Upper	
131	100		
133	98.6	0.0	191.6
119	67.6	0.0	127.4

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#66

Ethyl Benzene

Concen: 19.602 ug/l

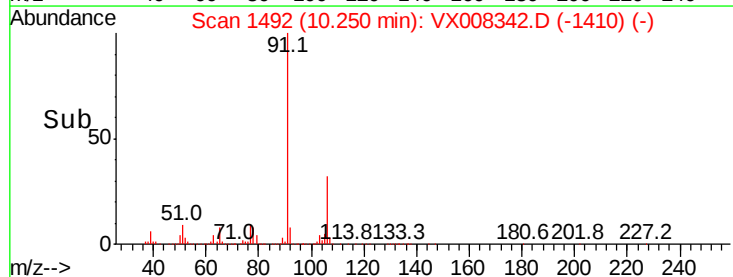
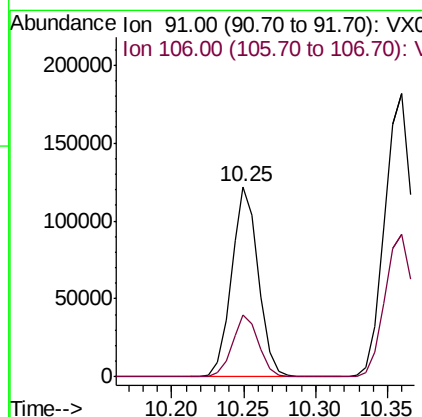
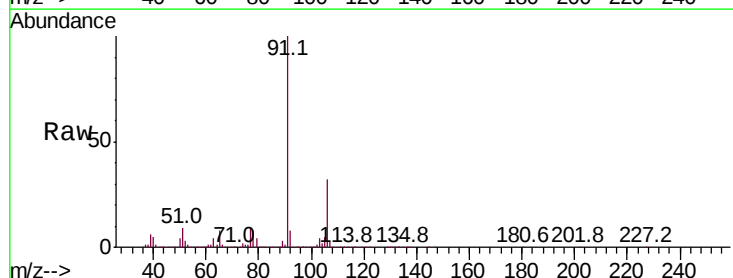
RT: 10.25 min Scan# 1492

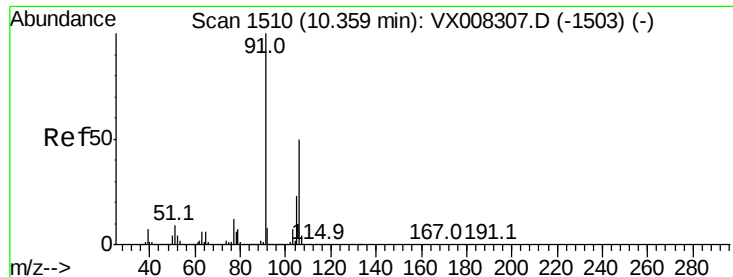
Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Tgt Ion:	91	Resp:	158672
Ion Ratio	Lower	Upper	
91	100		
106	32.4	26.0	39.0





#67

m/p-Xylenes

Concen: 38.492 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBSD01

Tot Ion:106 Resp: 123836

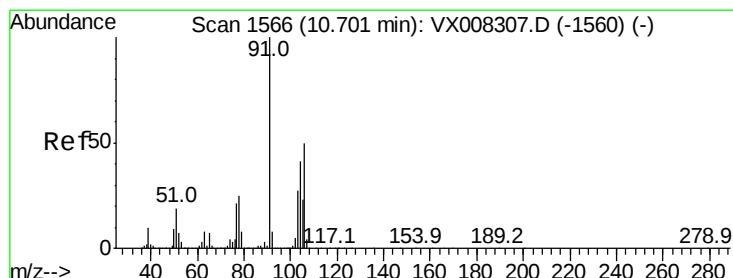
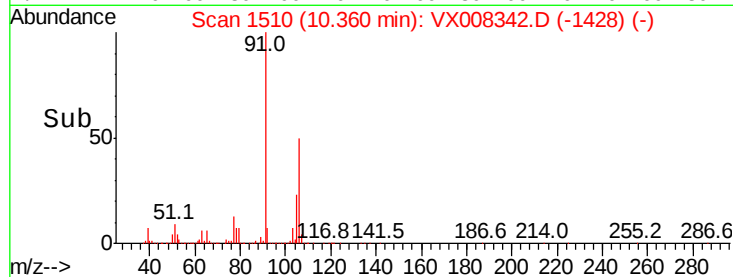
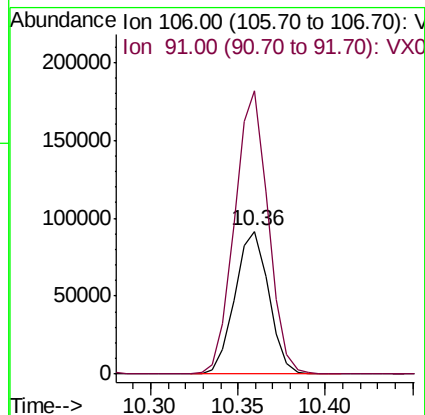
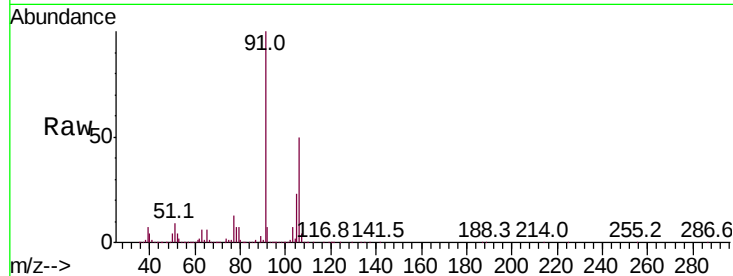
Ion Ratio Lower Upper

106 100

91 195.8 157.0 235.4

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#68

o-Xylene

Concen: 19.194 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX008342.D

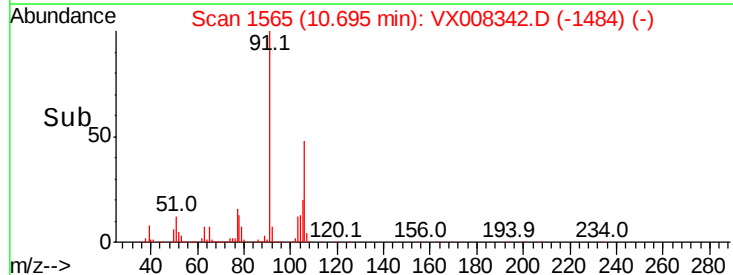
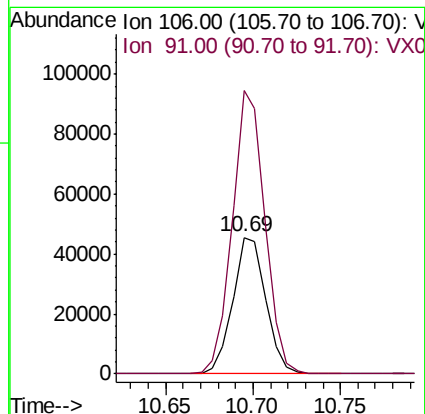
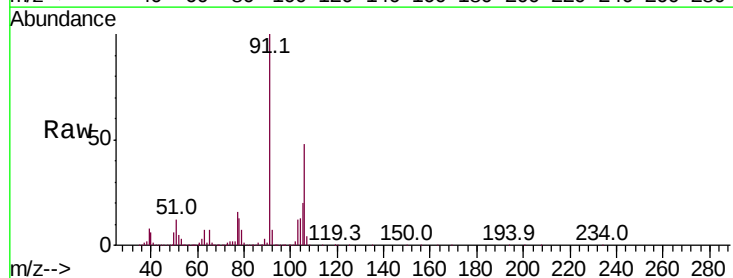
Acq: 22 Mar 2019 16:38

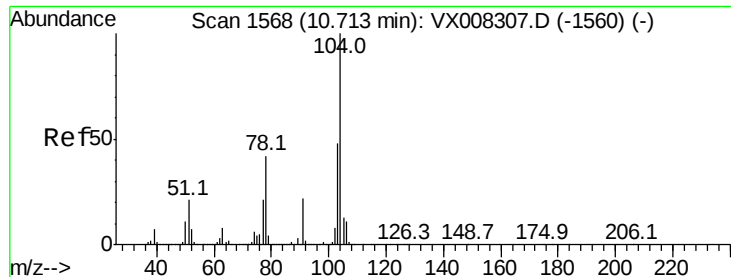
Tgt Ion:106 Resp: 59320

Ion Ratio Lower Upper

106 100

91 206.1 104.4 313.2





#69

Stvrene

Concen: 19.056 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

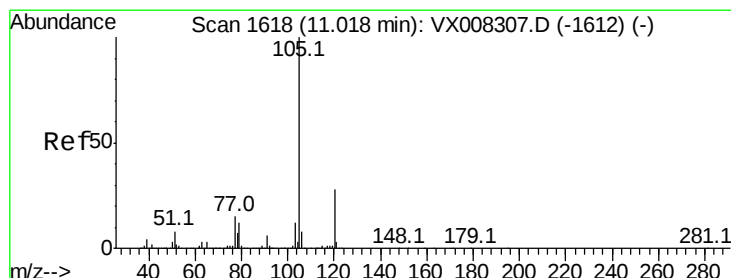
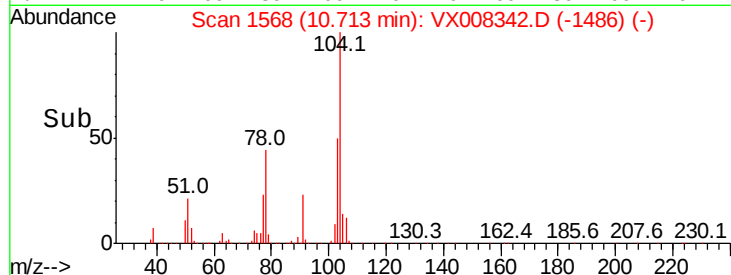
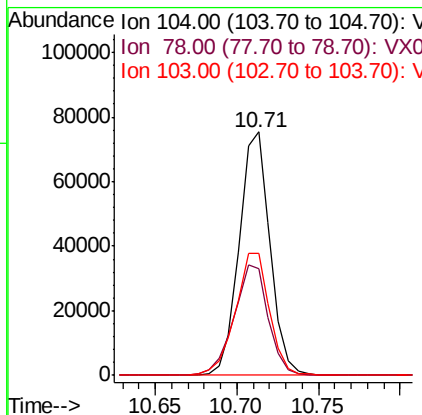
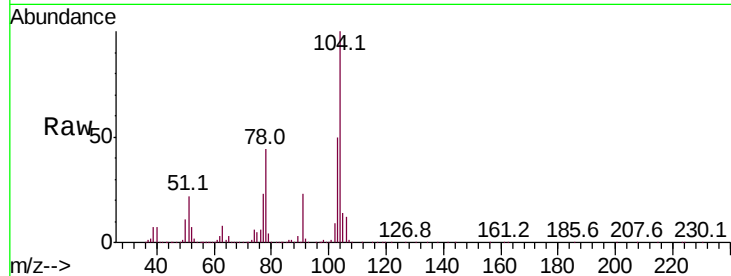
ClientSampleId :

VX0322WBSD01

Tot Ion:	104	Resp:	99430
Ion Ratio	Lower	Upper	
104	100		
78	50.1	38.2	57.2
103	55.7	45.0	67.4

Manual Integrations
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#70

Isopropylbenzene

Concen: 19.033 ug/l

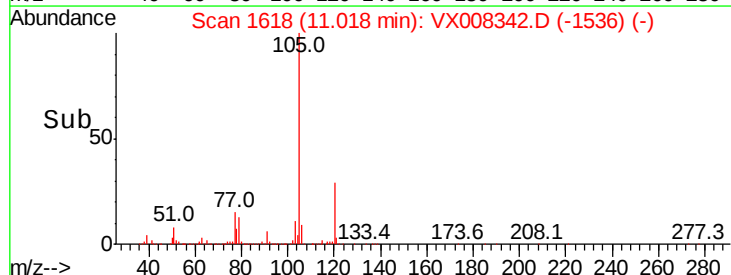
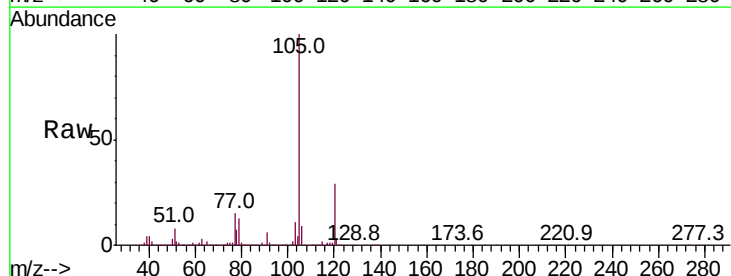
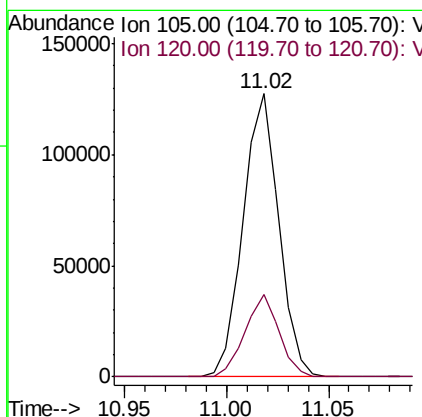
RT: 11.02 min Scan# 1618

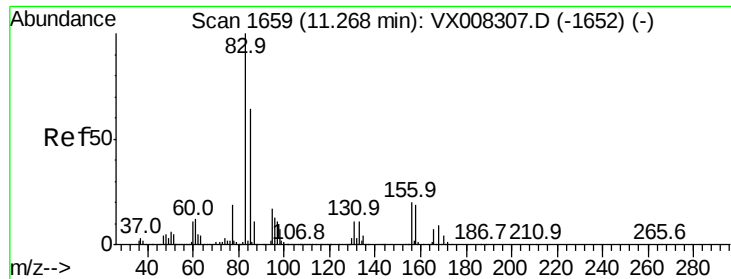
Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Tgt Ion:	105	Resp:	154761
Ion Ratio	Lower	Upper	
105	100		
120	28.0	19.8	36.8





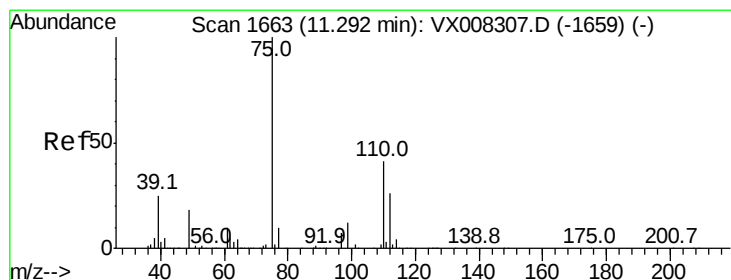
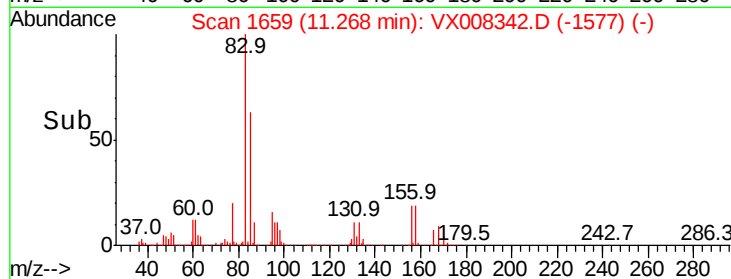
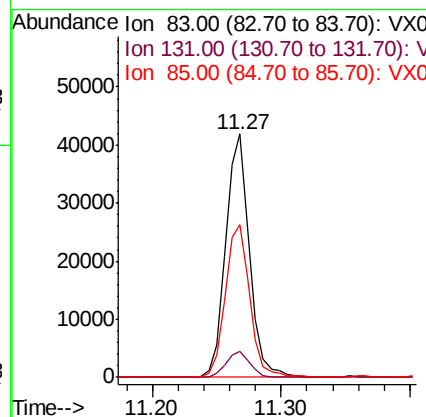
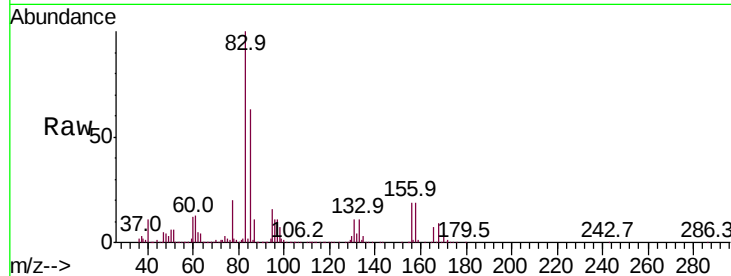
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.674 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX008342.D
 Acq: 22 Mar 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.4	16.2
85	64.4	32.8	98.4

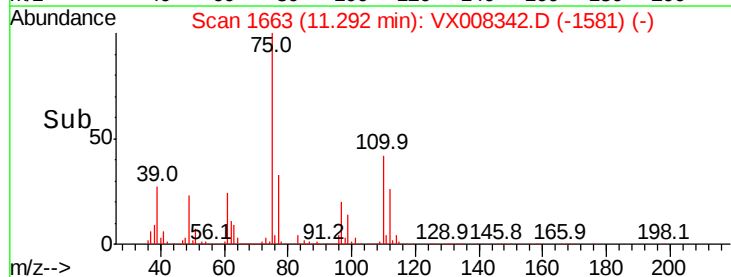
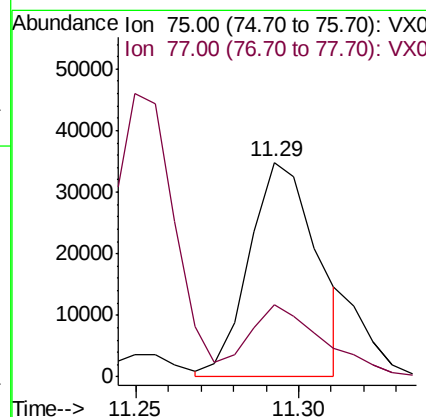
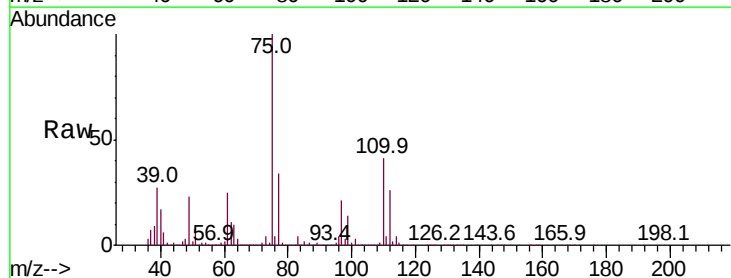
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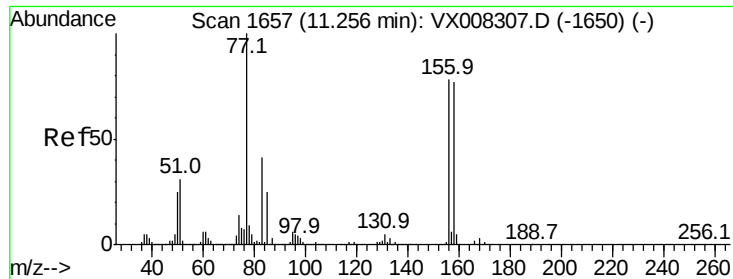
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#72
 1,2,3-Trichloropropane
 Concen: 22.520 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX008342.D
 Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	36.4	0.0	76.4





#73

Bromobenzene

Concen: 18.677 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBSD01

Tot Ion:156 Resp: 42020

Ion Ratio Lower Upper

156 100

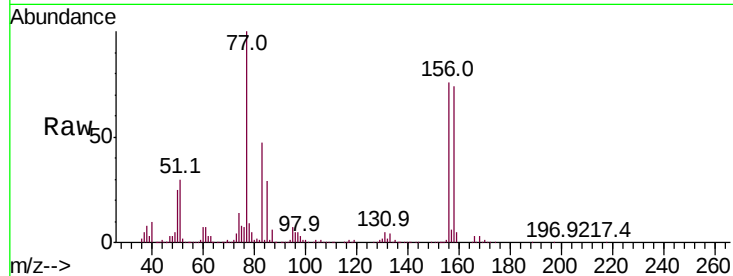
77 144.7 0.0 271.4

158 99.2 0.0 194.0

Manual Integrations
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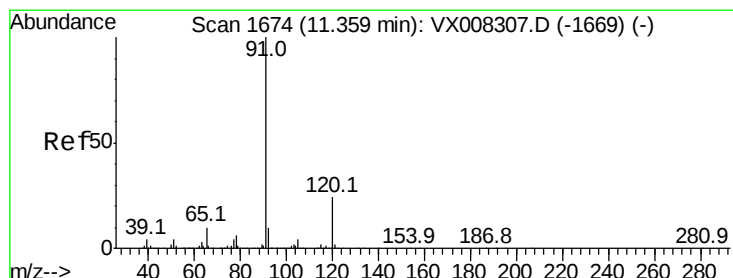
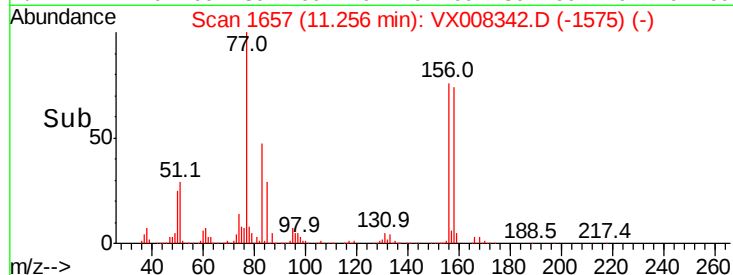
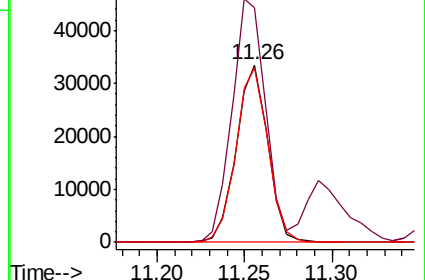
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.438 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008342.D

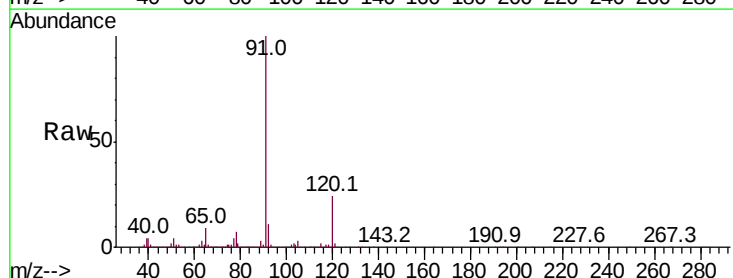
Acq: 22 Mar 2019 16:38

Tgt Ion: 91 Resp: 167117

Ion Ratio Lower Upper

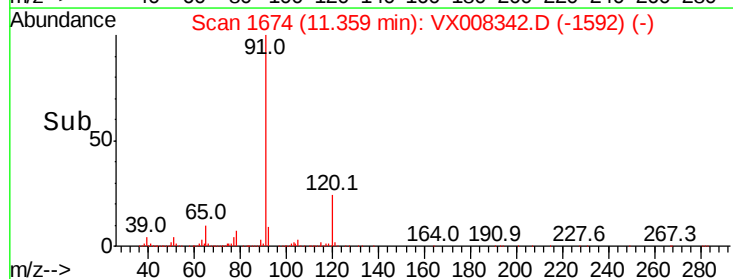
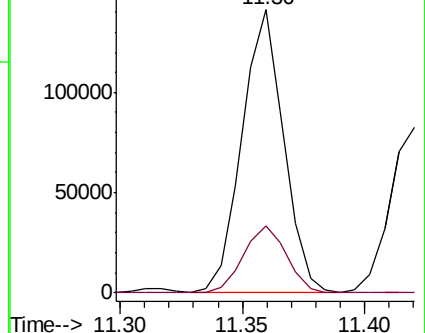
91 100

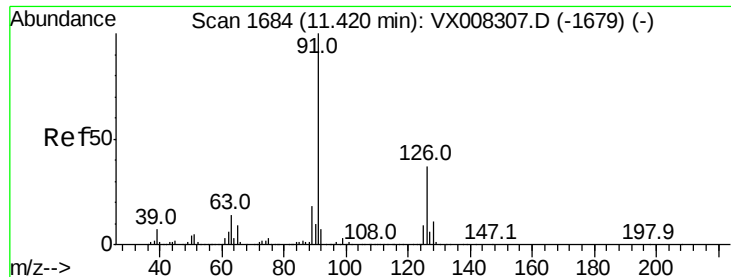
120 24.7 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.124 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBSD01

Tot Ion: 91 Resp: 103513

Ion Ratio Lower Upper

91 100

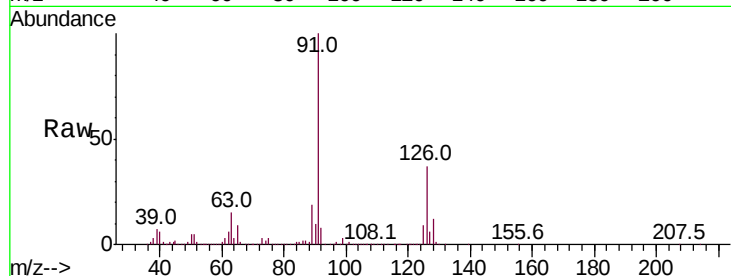
126 36.8 0.0 75.2

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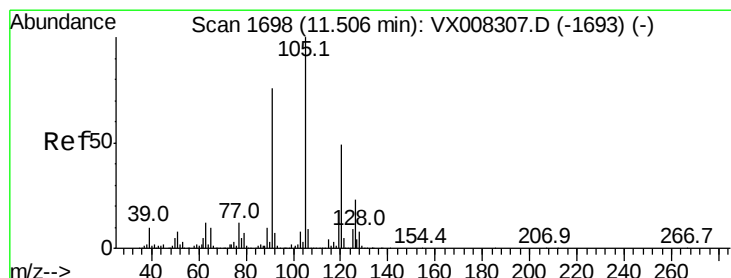
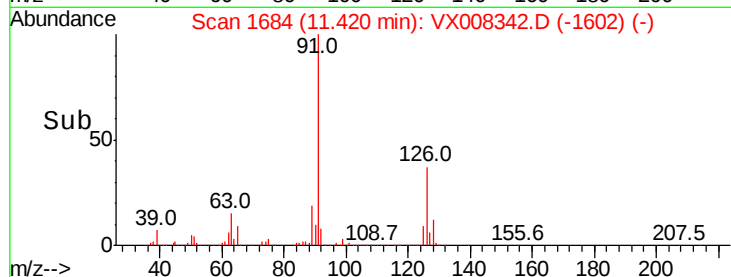
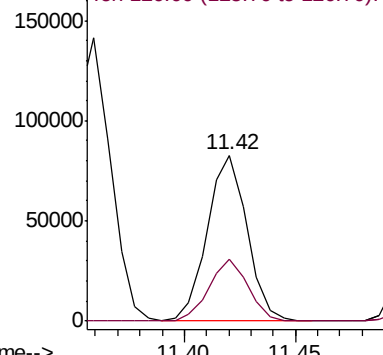
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 18.895 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008342.D

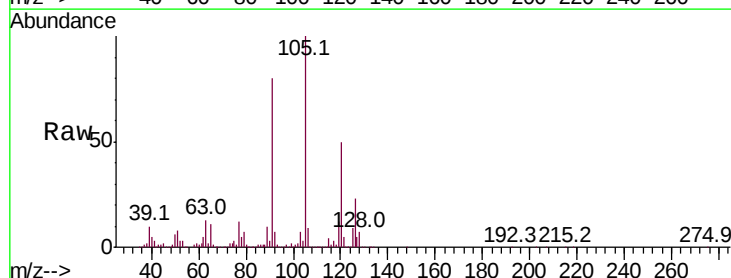
Acq: 22 Mar 2019 16:38

Tgt Ion:105 Resp: 131251

Ion Ratio Lower Upper

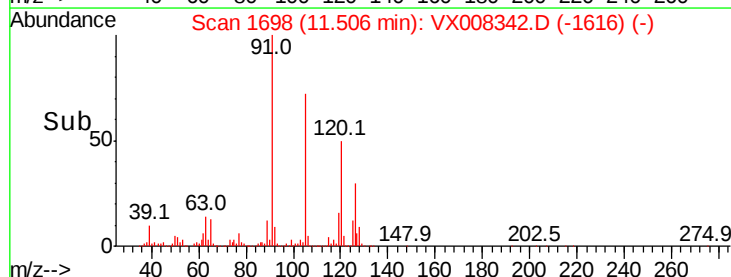
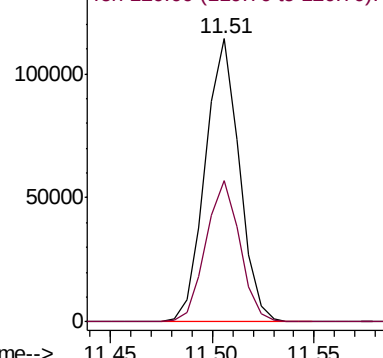
105 100

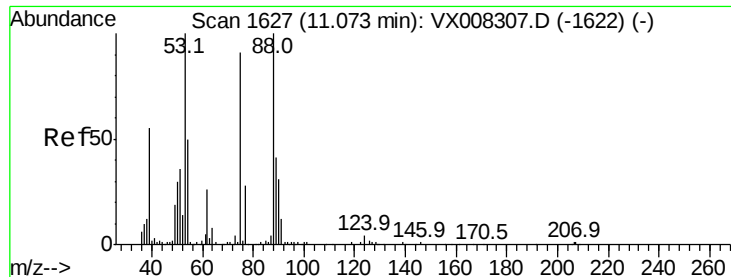
120 50.1 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 16.523 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBSD01

Tot Ion: 75 Resp: 13074

Ion Ratio Lower Upper

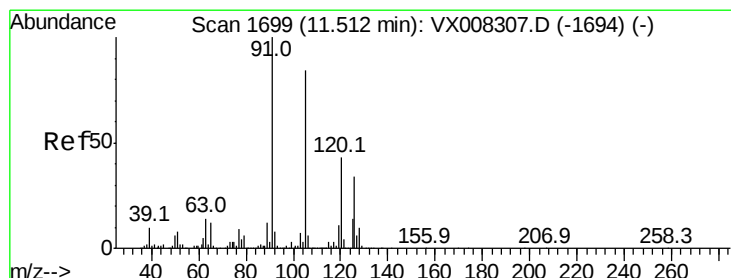
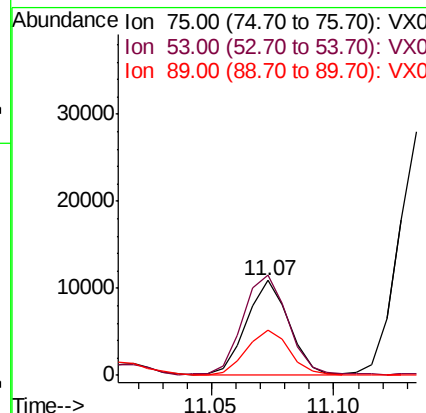
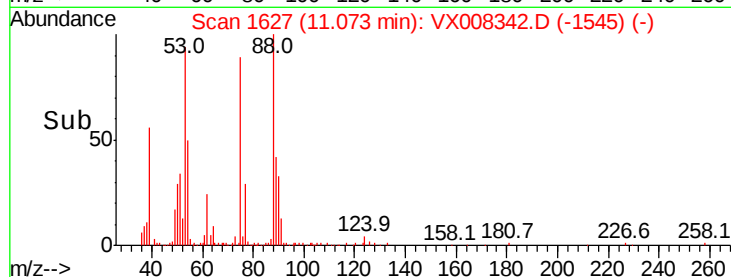
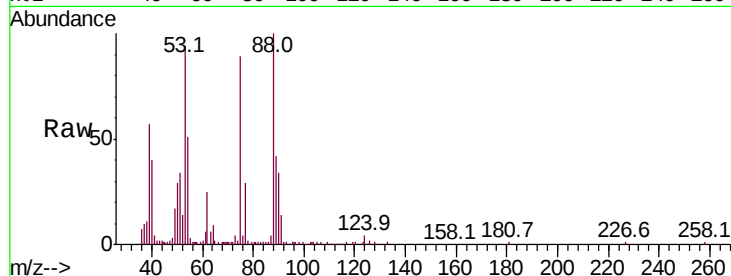
75 100

53 105.6 55.5 166.7

89 47.3 24.4 73.2

Manual Integrations
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#78

4-Chlorotoluene

Concen: 18.763 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008342.D

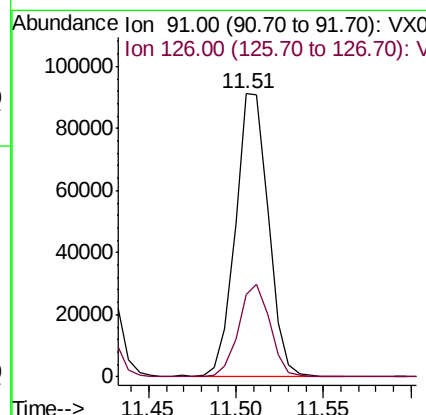
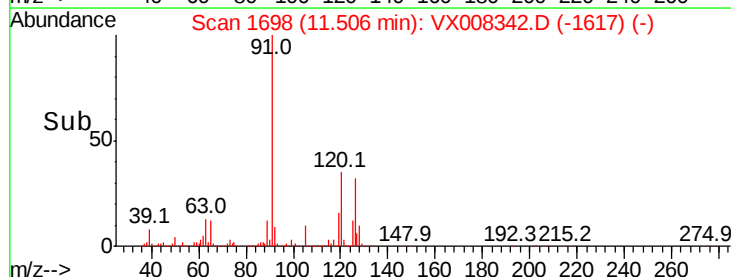
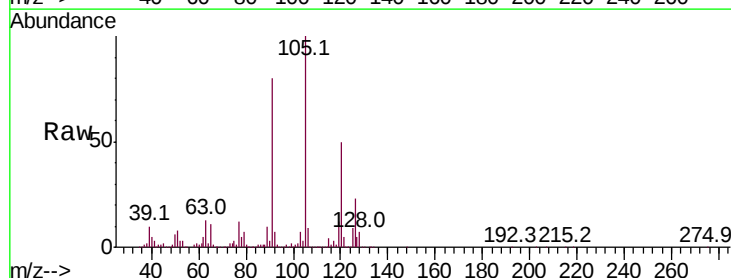
Acq: 22 Mar 2019 16:38

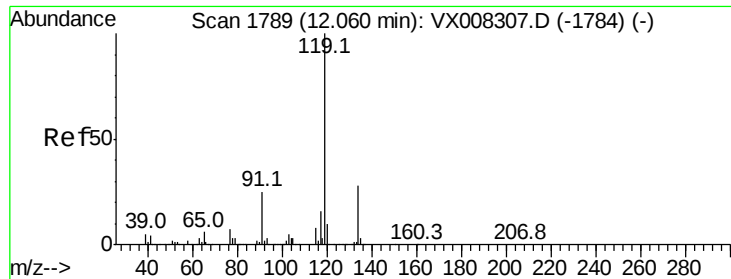
Tgt Ion: 91 Resp: 119525

Ion Ratio Lower Upper

91 100

126 31.3 0.0 66.2





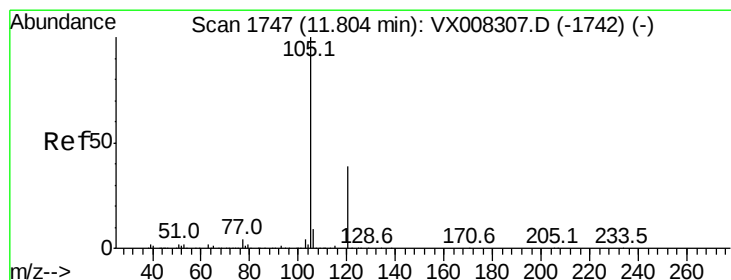
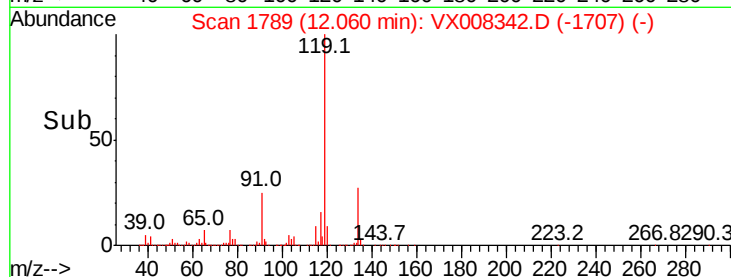
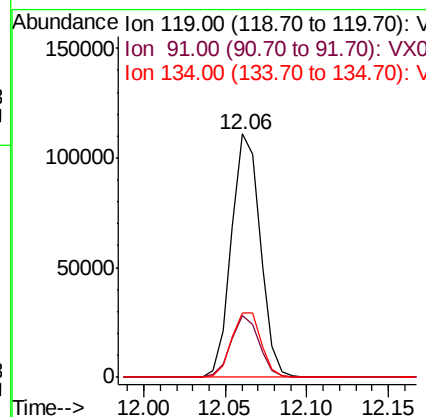
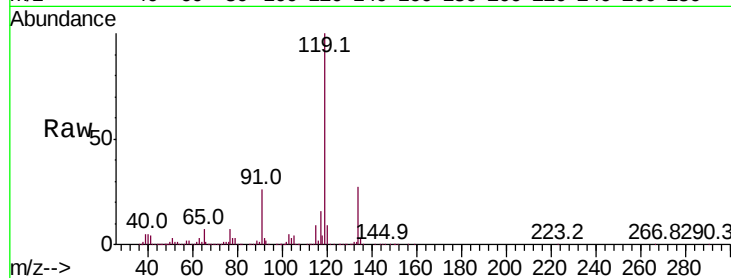
#79
tert-butylbenzene
Concen: 18.677 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	136470		
91	24.5	0.0	45.0	
134	27.2	0.0	55.4	

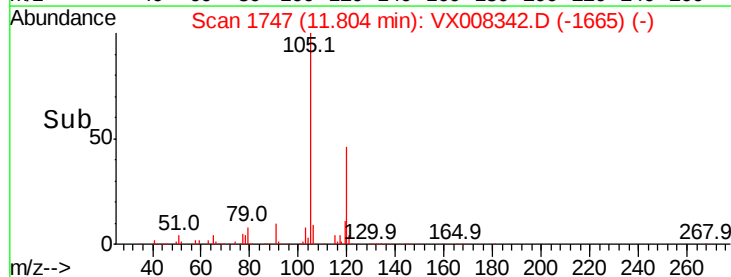
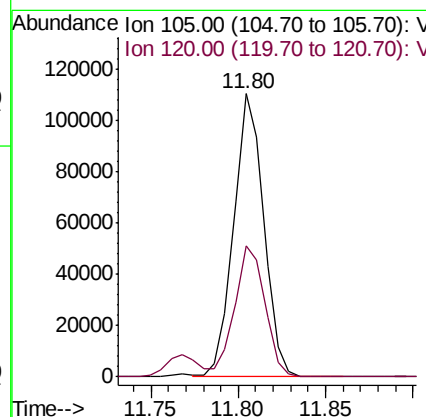
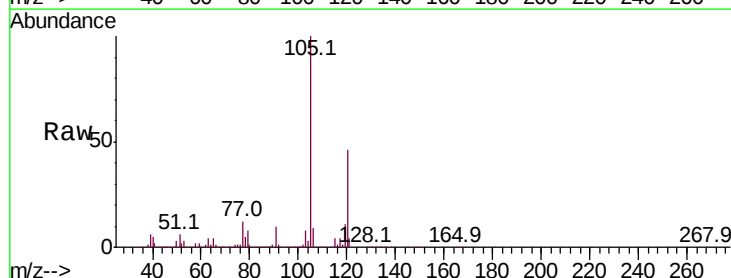
Manual Integrations
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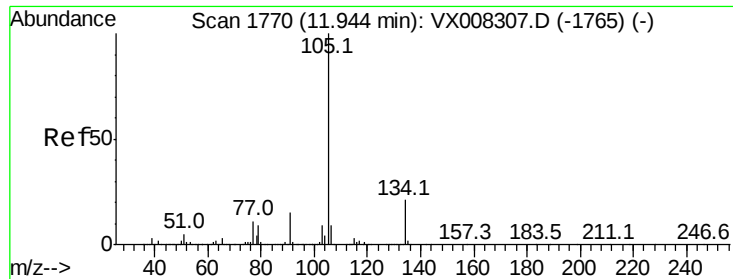
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.127 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	132030		
120	45.9	0.0	94.0	





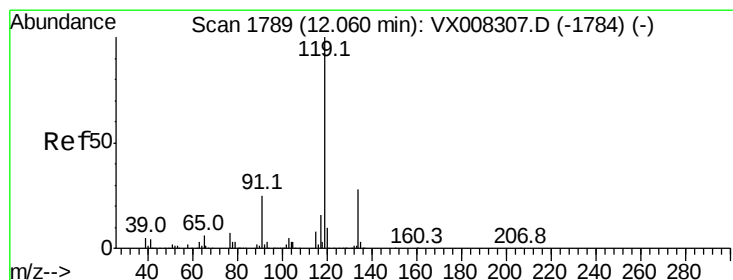
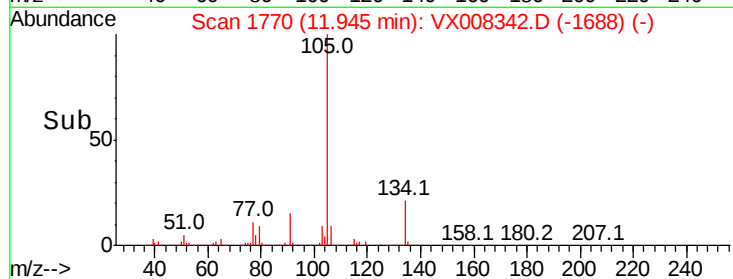
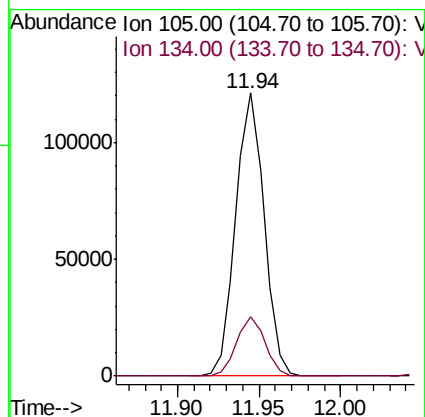
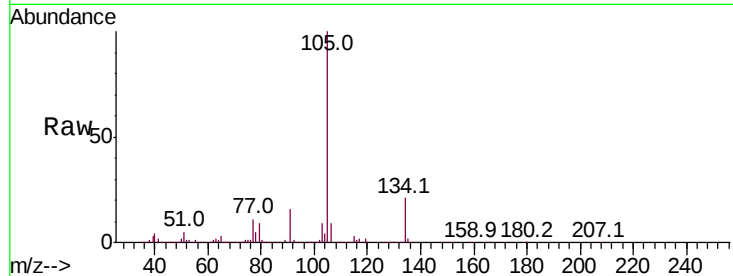
#81
 sec-Butylbenzene
 Concen: 18.582 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008342.D
 Acq: 22 Mar 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	147231		
134	21.1	0.0	41.8	

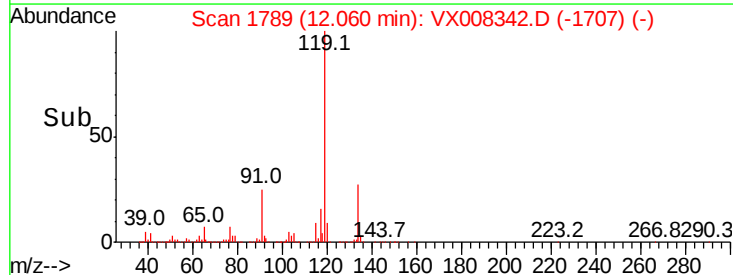
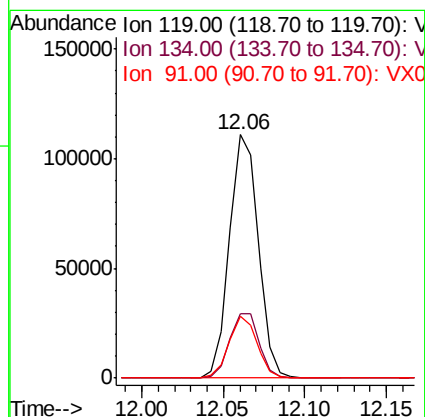
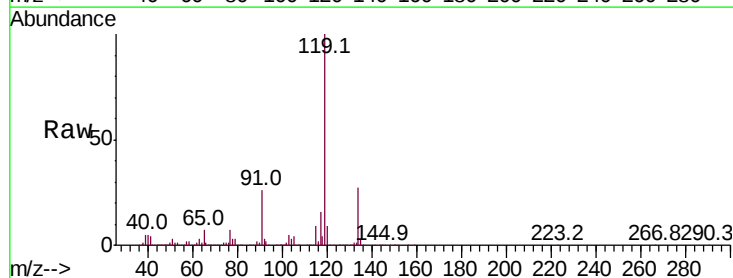
Manual Integrations
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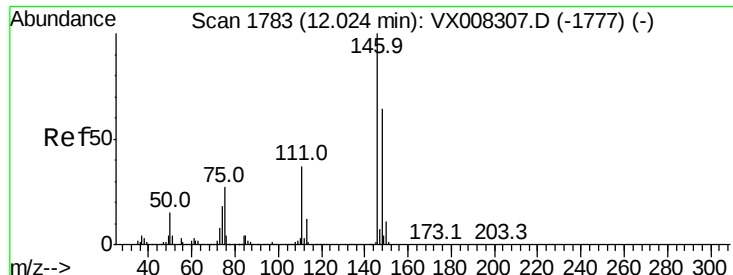
MMDadoda
 3/23/2019 9:33:19 AM



#82
 p-Isopropyltoluene
 Concen: 18.677 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX008342.D
 Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	136470		
134	27.2	0.0	55.4	
91	24.5	0.0	45.0	





#83

1,3-Dichlorobenzene

Concen: 18.042 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

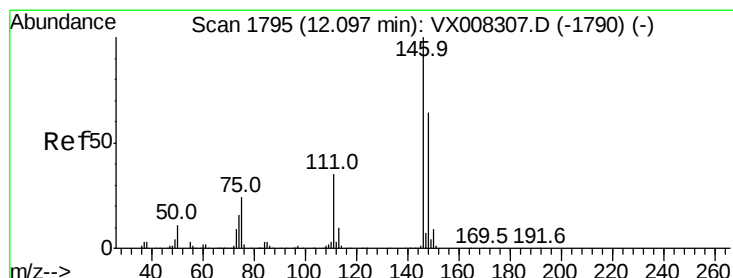
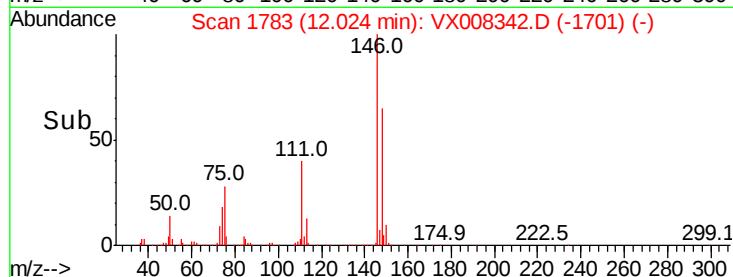
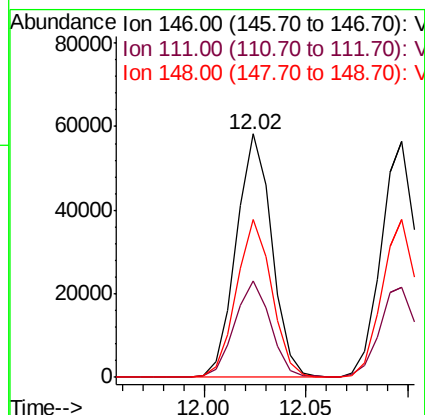
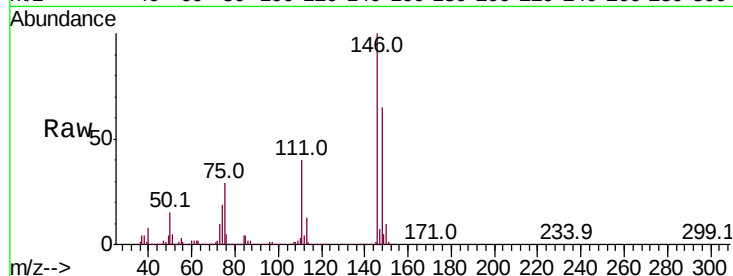
ClientSampleId :

VX0322WBSD01

Tot Ion:	146	Resp:	70453
Ion Ratio	Lower	Upper	
146	100		
111	39.6	18.8	56.3
148	64.5	30.6	91.8

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 17.854 ug/l

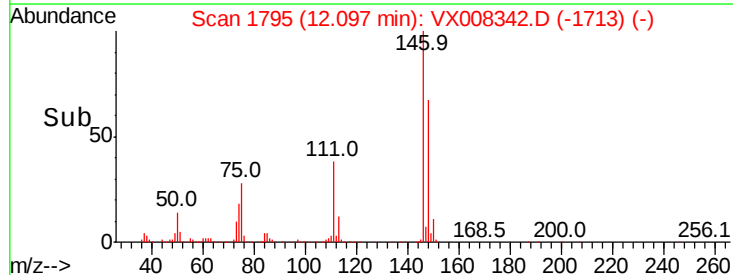
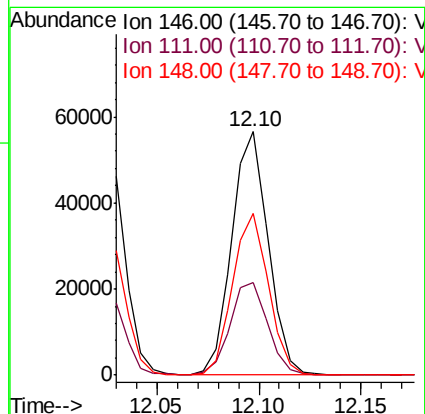
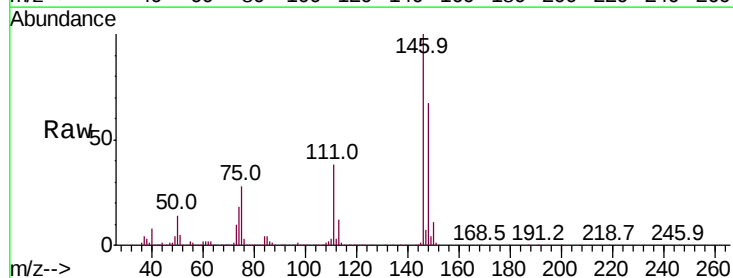
RT: 12.10 min Scan# 1795

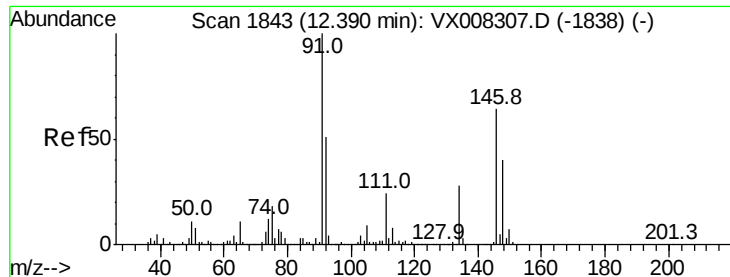
Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Tgt Ion:	146	Resp:	69426
Ion Ratio	Lower	Upper	
146	100		
111	39.5	17.6	52.8
148	65.8	31.4	94.2





#85

n-Butylbenzene

Concen: 17.348 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

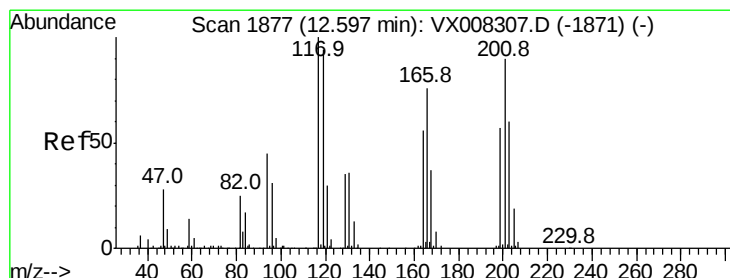
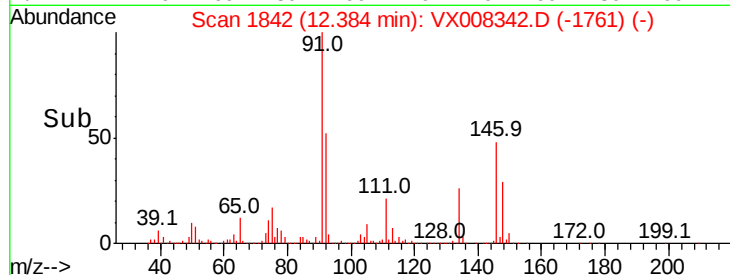
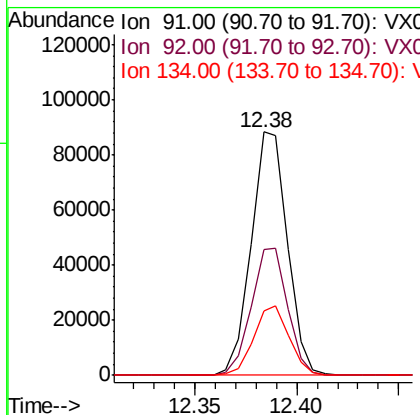
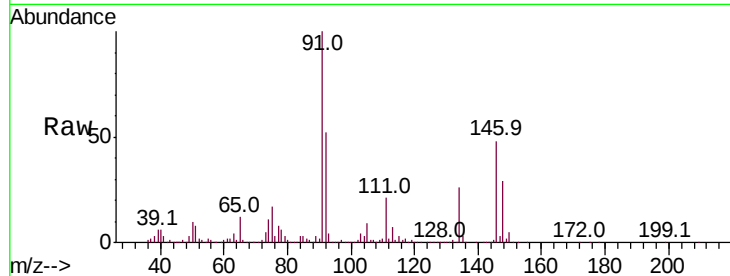
ClientSampleId :

VX0322WBSD01

Tot Ion:	91	Resp:	109034
Ion Ratio	Lower	Upper	
91	100		
92	52.4	0.0	105.2
134	27.9	0.0	56.4

Manual Integrations
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#86

Hexachloroethane

Concen: 17.728 ug/l

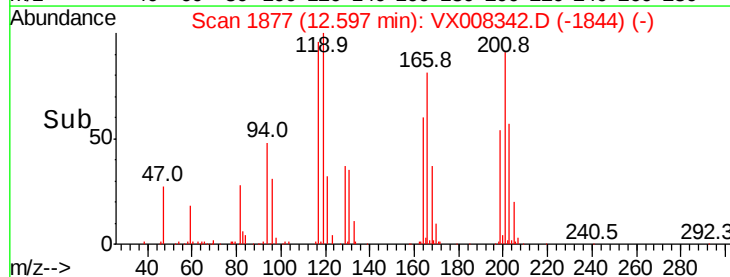
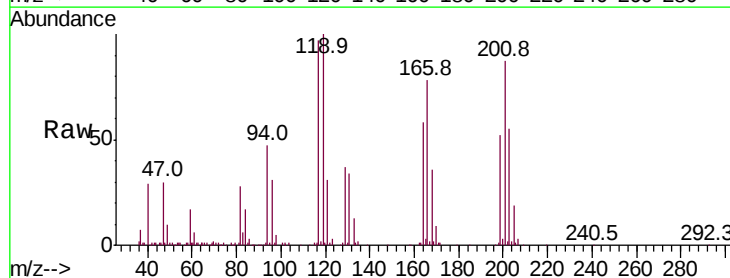
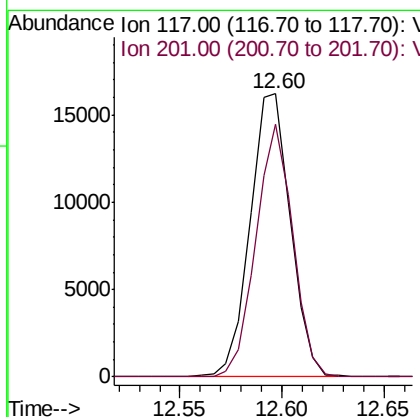
RT: 12.60 min Scan# 1877

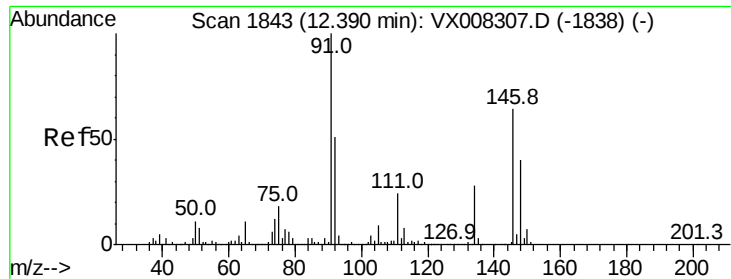
Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Tgt Ion:	117	Resp:	22325
Ion Ratio	Lower	Upper	
117	100		
201	81.7	41.1	123.3





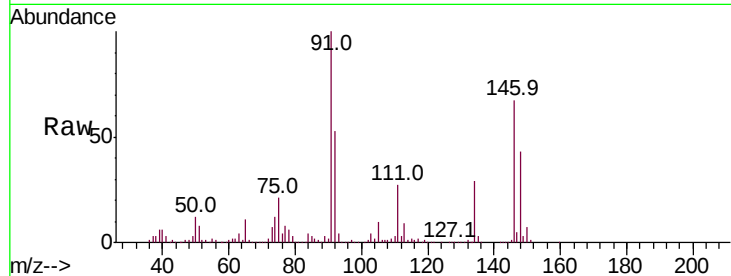
#87
 1,2-Dichlorobenzene
 Concen: 18.846 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008342.D
 Acq: 22 Mar 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.3	57.8
148	63.4	32.1	96.3

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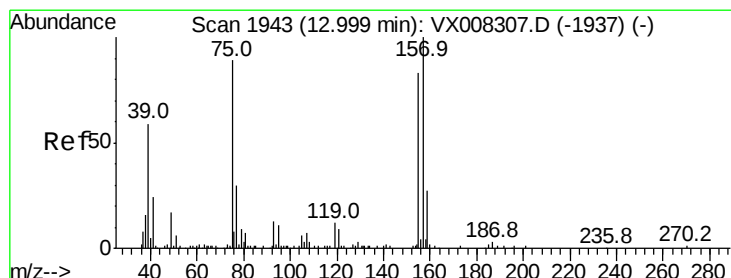
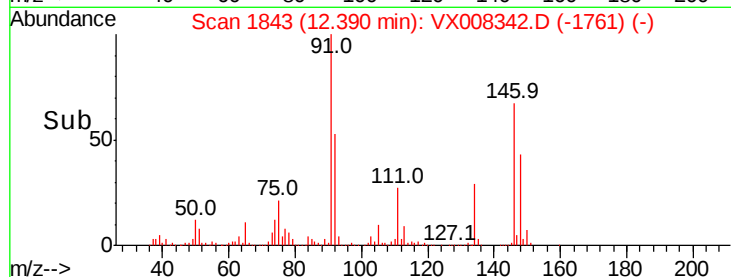
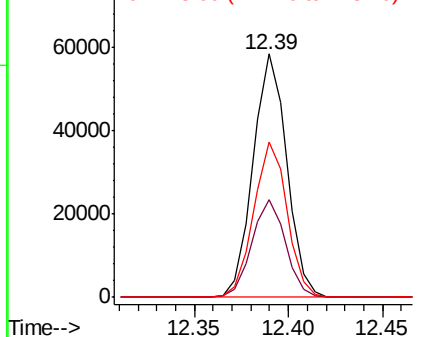


Abundance

Ion 146.00 (145.70 to 146.70): V

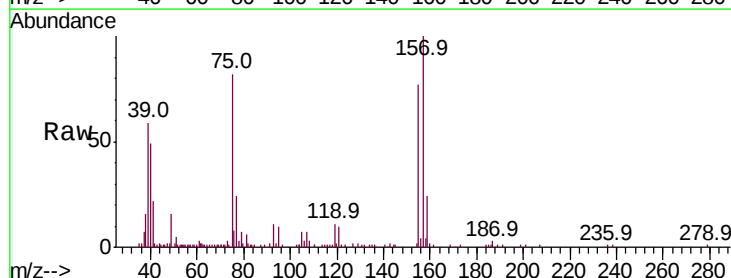
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.759 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008342.D
 Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	81.0	121.6
157	117.6	103.2	154.8

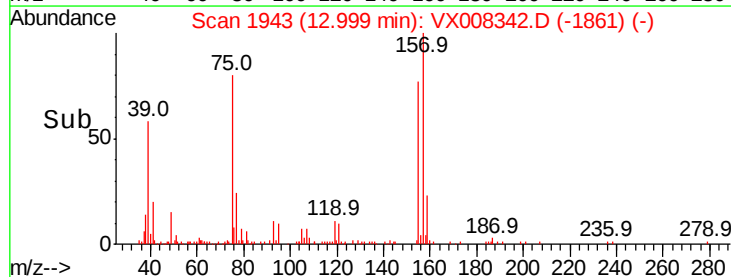
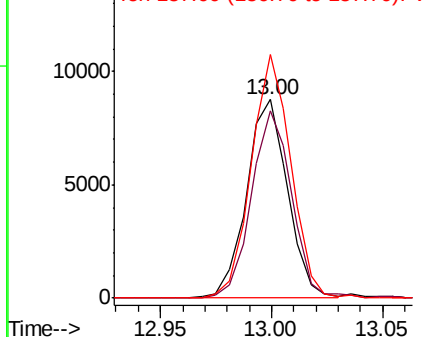


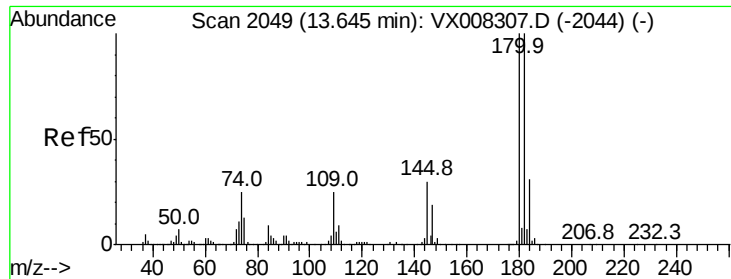
Abundance

Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





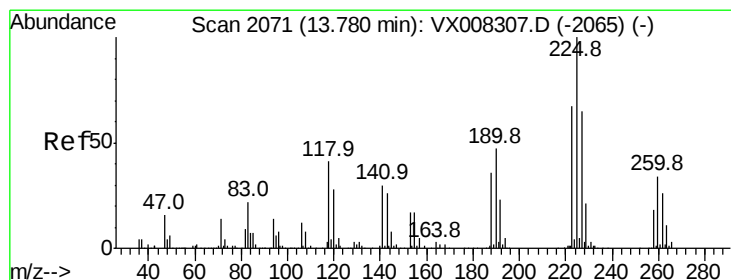
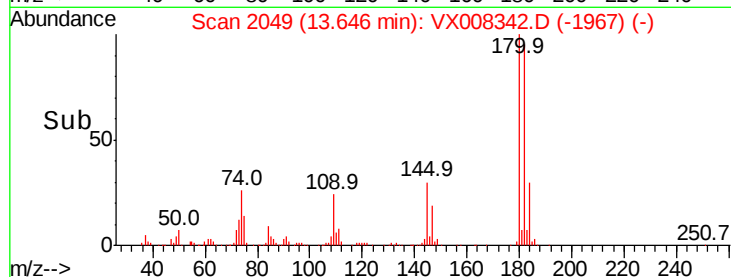
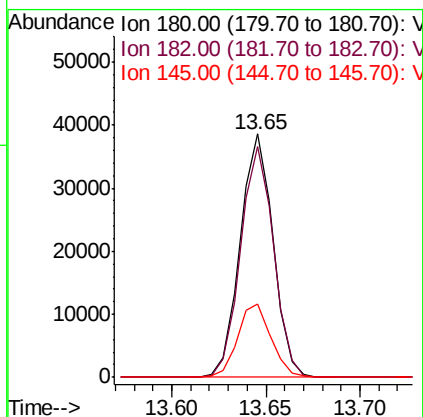
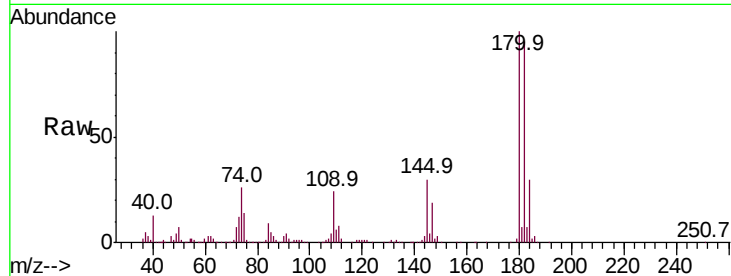
#89
1,2,4-Trichlorobenzene
Concen: 17.184 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46835		
182	94.9	75.6	113.4	
145	30.6	23.0	34.6	

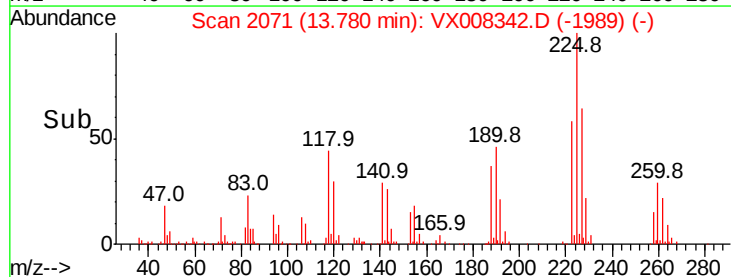
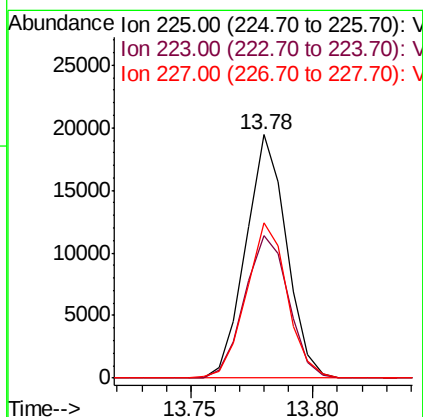
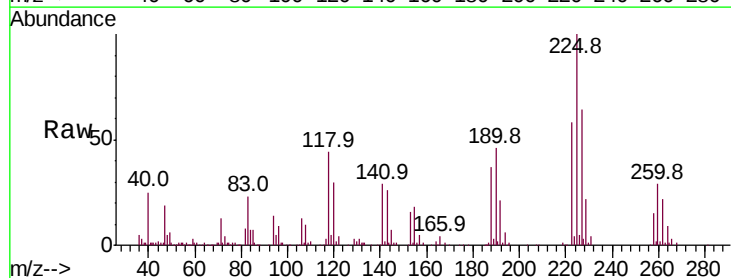
Manual Integrations
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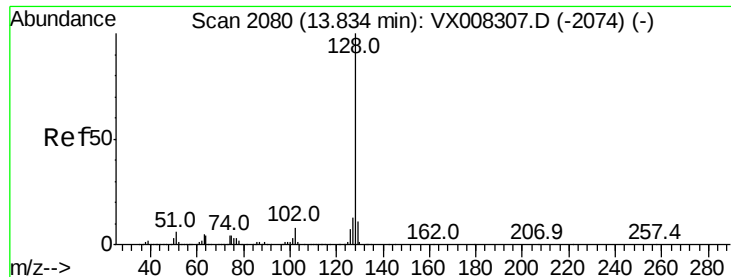
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#90
Hexachlorobutadiene
Concen: 16.494 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008342.D
Acq: 22 Mar 2019 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22631		
223	62.7	0.0	123.8	
227	64.3	0.0	124.4	





#91

Naphthalene

Concen: 18.571 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Instrument :

MSVOA_X

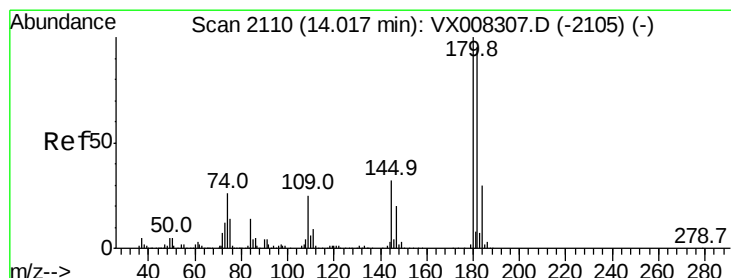
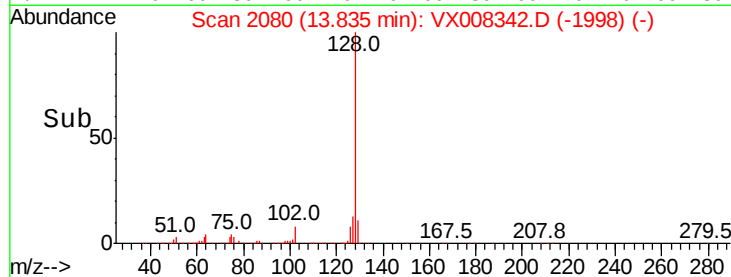
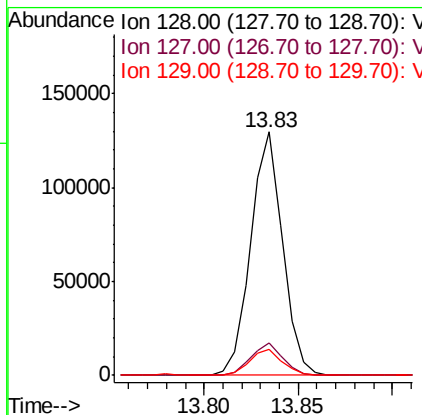
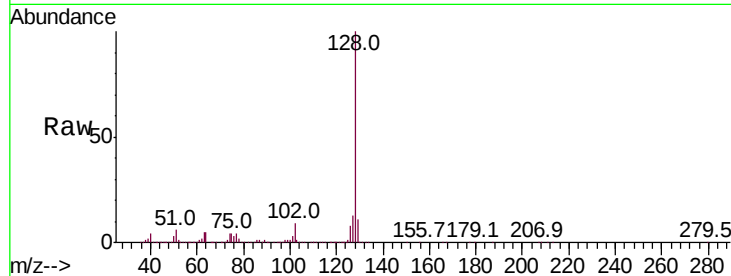
ClientSampleId :

VX0322WBSD01

Tot Ion:	128	Resp:	152023
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	11.0	8.9	13.3

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 17.644 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008342.D

Acq: 22 Mar 2019 16:38

Tgt Ion:	180	Resp:	48616
Ion Ratio	Lower	Upper	
180	100		
182	92.4	0.0	193.0
145	33.2	0.0	63.0

