

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032119\
 Data File : VX008285.D
 Acq On : 21 Mar 2019 12:53
 Operator : JC/SP
 Sample : VX0321WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 5:18:06 PM

Quant Time: Mar 22 08:54:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	272650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	435871	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	387809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185210	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	185194	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	
35) Dibromofluoromethane	5.50	113	142772	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	8.71	98	536203	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
62) 4-Bromofluorobenzene	11.13	95	191444	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	68748	20.80	ug/l	99
3) Chloromethane	1.33	50	67350	16.24	ug/l	97
4) Vinyl Chloride	1.41	62	72788	17.60	ug/l	99
5) Bromomethane	1.64	94	63325	17.98	ug/l	99
6) Chloroethane	1.73	64	51420	19.83	ug/l	96
7) Trichlorofluoromethane	1.93	101	97928	18.55	ug/l	98
8) Diethyl Ether	2.19	74	54150	19.94	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	72666	20.74	ug/l	91
10) Methyl Iodide	2.51	142	90018	20.18	ug/l	95
11) Tert butyl alcohol	3.04	59	88178	100.31	ug/l	99
12) 1,1-Dichloroethene	2.38	96	67527	20.41	ug/l	94
13) Acrolein	2.29	56	81506	126.52	ug/l	99
14) Allyl chloride	2.73	41	142025	19.72	ug/l	92
15) Acrylonitrile	3.14	53	228150	98.12	ug/l	99
16) Acetone	2.44	43	241964	103.89	ug/l	95
17) Carbon Disulfide	2.57	76	213346	20.17	ug/l	99
18) Methyl Acetate	2.78	43	113954	21.13	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	244403	20.43	ug/l	99
20) Methylene Chloride	2.86	84	76031	19.58	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	70162	19.63	ug/l	90
22) Diisopropyl ether	3.85	45	285302	20.23	ug/l	# 84
23) Vinyl Acetate	3.81	43	1231422	101.84	ug/l	98
24) 1,1-Dichloroethane	3.70	63	146701	20.22	ug/l	100
25) 2-Butanone	4.67	43	347488	101.08	ug/l	98
26) 2,2-Dichloropropane	4.59	77	104779	19.17	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	82670	20.29	ug/l	92
28) Bromochloromethane	5.01	49	54719	16.80	ug/l	86
29) Tetrahydrofuran	5.13	42	217262	101.09	ug/l	99
30) Chloroform	5.21	83	140852	20.76	ug/l	100
31) Cyclohexane	5.58	56	141314	20.75	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	117091	20.74	ug/l	97
36) 1,1-Dichloropropene	5.80	75	106428	20.97	ug/l	97
37) Ethyl Acetate	4.83	43	125575	20.93	ug/l	99
38) Carbon Tetrachloride	5.78	117	101398	22.43	ug/l	99

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Quant Time: Mar 22 08:54:24 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	135132	22.13	ug/l	94
40) Benzene	6.14	78	318682	21.22	ug/l	99
41) Methacrylonitrile	5.04	41	71491	21.25	ug/l	97
42) 1,2-Dichloroethane	6.19	62	116700	21.21	ug/l	96
43) Isopropyl Acetate	6.44	43	202766	21.09	ug/l	98
44) Trichloroethene	7.21	130	77186	21.02	ug/l	89
45) 1,2-Dichloropropane	7.51	63	87851	20.89	ug/l	98
46) Dibromomethane	7.66	93	53525	21.02	ug/l	88
47) Bromodichloromethane	7.90	83	108863	22.44	ug/l	98
48) Methyl methacrylate	7.77	41	106321	20.80	ug/l	93
49) 1,4-Dioxane	7.74	88	38075	422.02	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	665630	107.08	ug/l	98
52) Toluene	8.78	92	190961	21.43	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	116180	20.00	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	126838	21.06	ug/l	91
55) 1,1,2-Trichloroethane	9.21	97	78786	21.88	ug/l	99
56) Ethyl methacrylate	9.18	69	127154	20.45	ug/l #	91
57) 1,3-Dichloropropane	9.37	76	136709	21.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	273749	92.80	ug/l	95
59) 2-Hexanone	9.49	43	512486	107.09	ug/l	96
60) Dibromochloromethane	9.58	129	82141	23.74	ug/l	100
61) 1,2-Dibromoethane	9.67	107	82147	21.85	ug/l	99
64) Tetrachloroethene	9.34	164	72004	20.58	ug/l	98
65) Chlorobenzene	10.13	112	202867	21.26	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	72809	21.88	ug/l	98
67) Ethyl Benzene	10.25	91	365317	21.72	ug/l	98
68) m/p-Xylenes	10.36	106	266840	43.20	ug/l	93
69) o-Xylene	10.69	106	131510	21.91	ug/l	96
70) Styrene	10.71	104	212263	21.76	ug/l	95
71) Bromoform	10.85	173	60127	22.25	ug/l	99
73) Isopropylbenzene	11.02	105	354742	21.49	ug/l	99
74) N-amyl acetate	10.90	43	177095	20.47	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	126133	21.31	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	107982m	20.73	ug/l	
77) Bromobenzene	11.26	156	83870	21.01	ug/l	87
78) n-propylbenzene	11.36	91	412324	21.50	ug/l	96
79) 2-Chlorotoluene	11.42	91	245733	21.35	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	293914	21.55	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	37565	19.29	ug/l	90
82) 4-Chlorotoluene	11.51	91	282525	21.10	ug/l	95
83) tert-Butylbenzene	11.77	119	284992	21.89	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	297935	21.55	ug/l	99
85) sec-Butylbenzene	11.94	105	357280	22.16	ug/l	97
86) p-Isopropyltoluene	12.06	119	307610	22.04	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	152039	21.31	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	151131	20.48	ug/l	97
89) n-Butylbenzene	12.38	91	282800	21.59	ug/l	97
90) Hexachloroethane	12.60	117	55420	23.31	ug/l	84
91) 1,2-Dichlorobenzene	12.39	146	149678	20.81	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	26615	20.24	ug/l	81

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Mar 19 13:15:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	99996	21.11	ug/l	99
94) Hexachlorobutadiene	13.78	225	51841	22.44	ug/l	99
95) Naphthalene	13.83	128	318991	21.33	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	99275	21.30	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

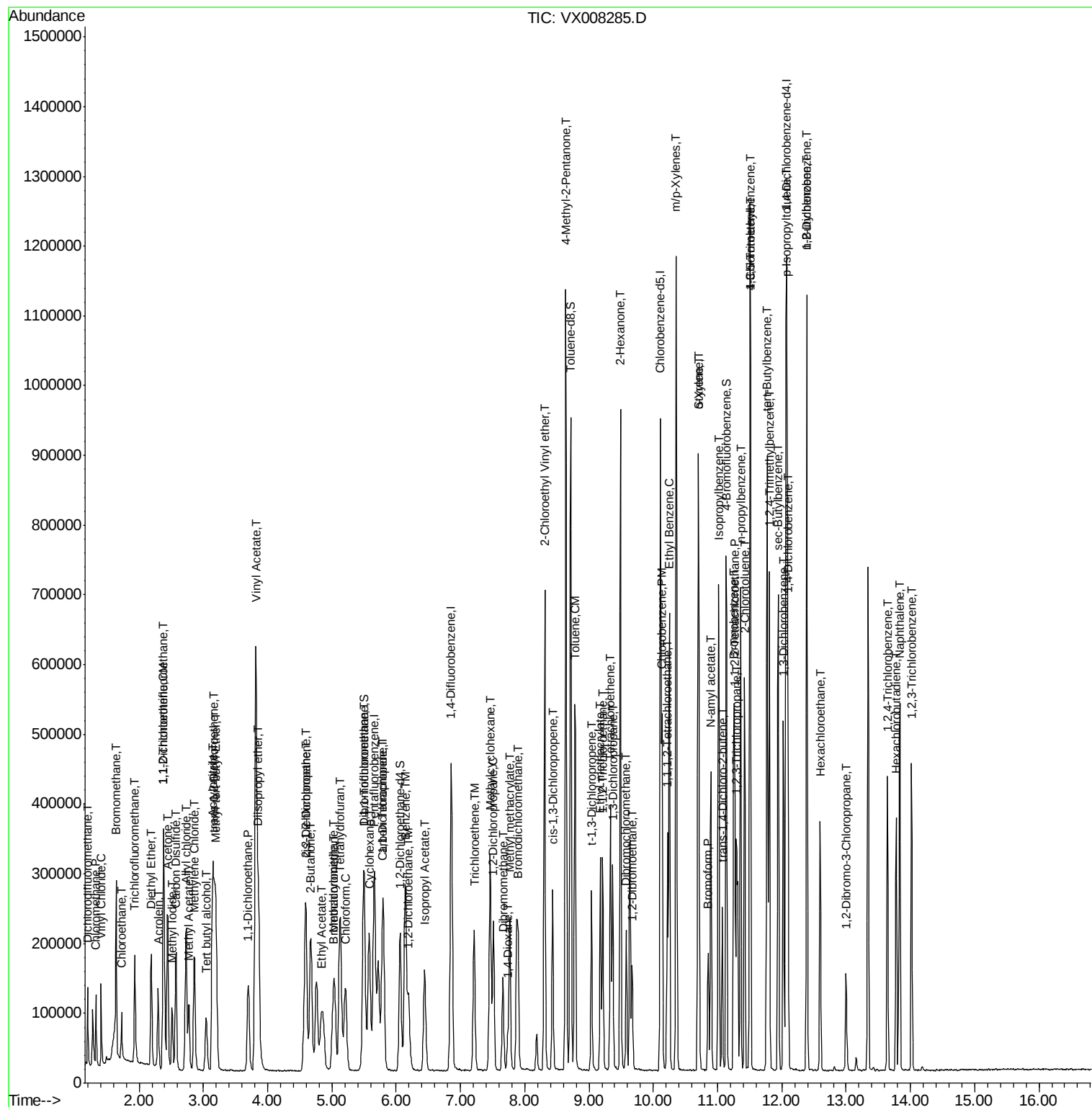
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032119\
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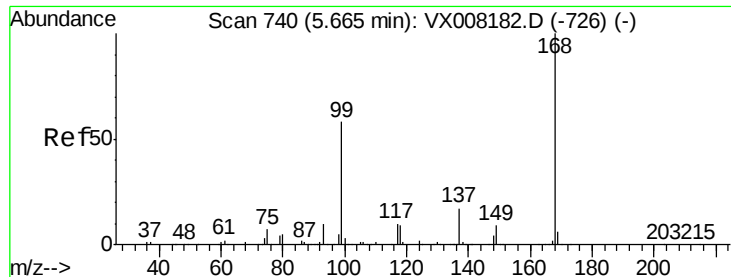
Instrument :
 MSVOA_X
 Client Sample ID :
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#1

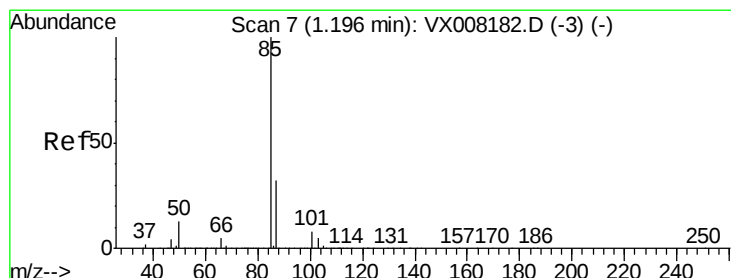
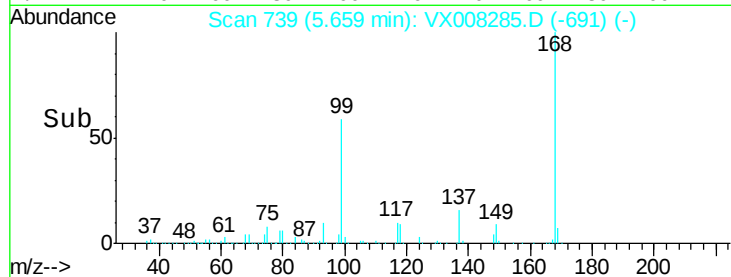
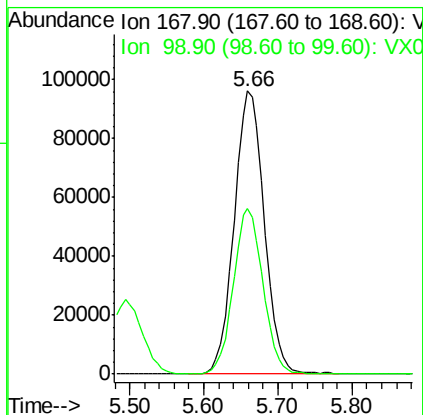
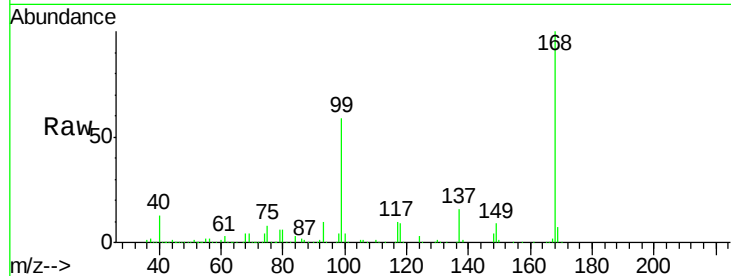
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Instrument :
MSVOA_X
ClientSampled :
VX0321WBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	58.4	37.6	56.4#

Manual Integrations
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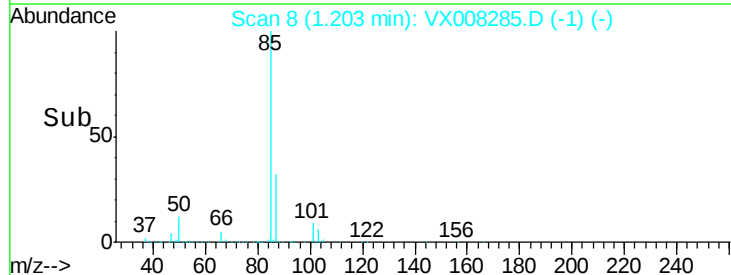
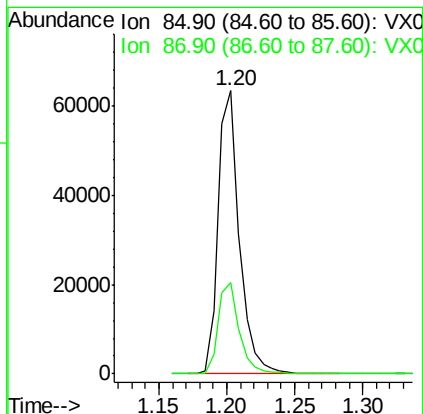
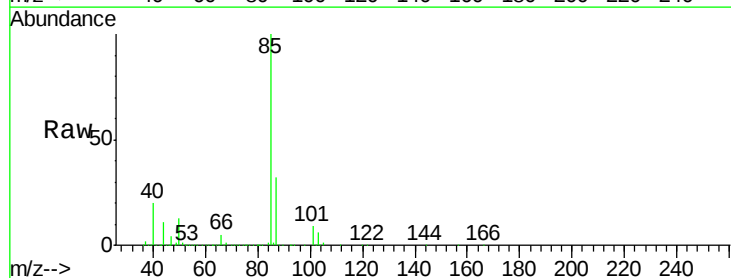
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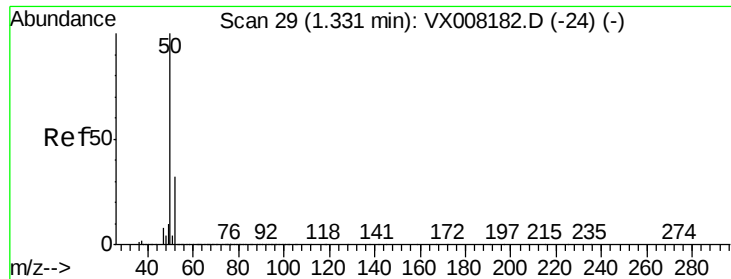


#2

Dichlorodifluoromethane
Concen: 20.80 ug/l
RT: 1.20 min Scan# 8
Delta R.T. 0.01 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.4	49.1





#3

Chloromethane

Concen: 16.24 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBS01

Tot Ion: 50 Resp: 67350

Ion Ratio Lower Upper

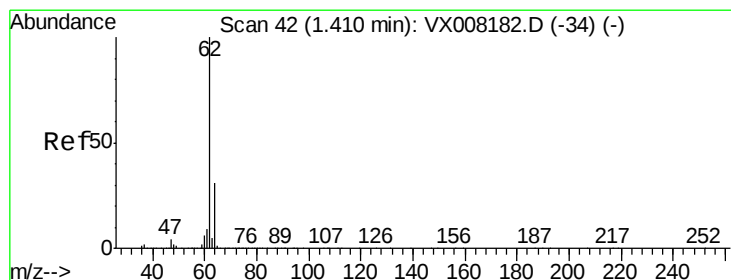
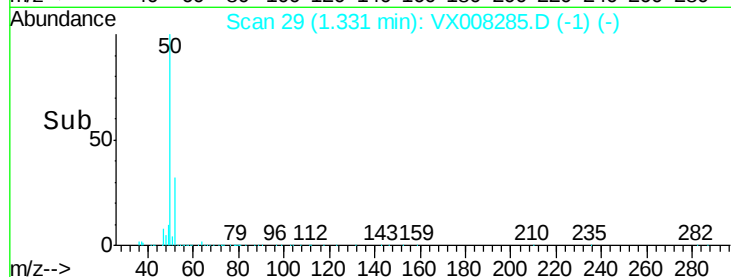
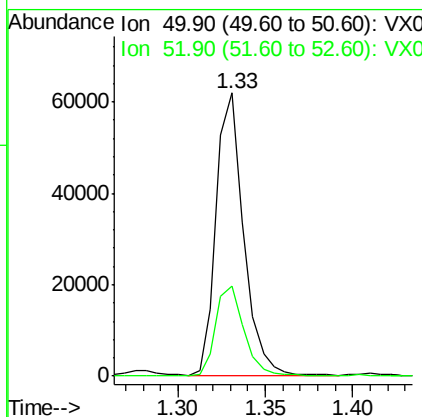
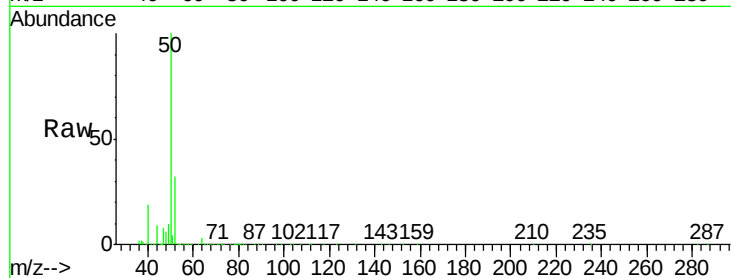
50 100

52 31.6 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.60 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008285.D

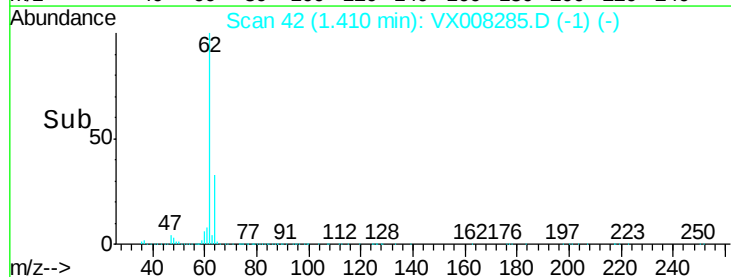
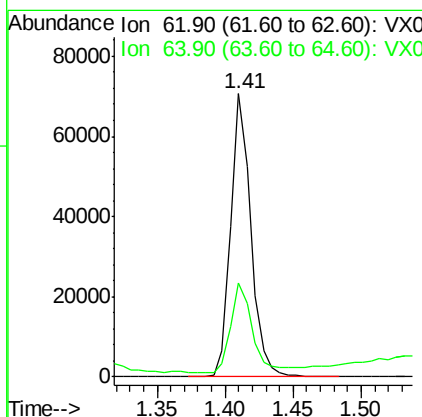
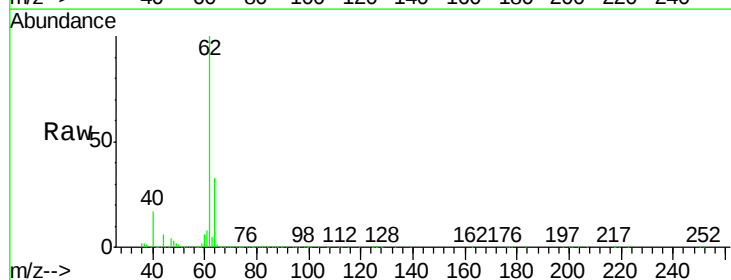
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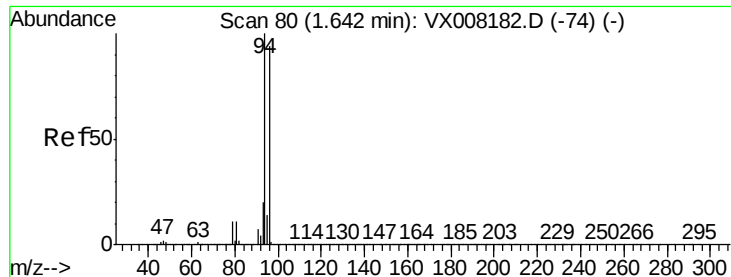
Tgt Ion: 62 Resp: 72788

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 17.98 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Tot Ion: 94 Resp: 63325

Ion Ratio Lower Upper

94 100

96 95.5 75.5 113.3

Instrument :

MSVOA_X

ClientSampleId :

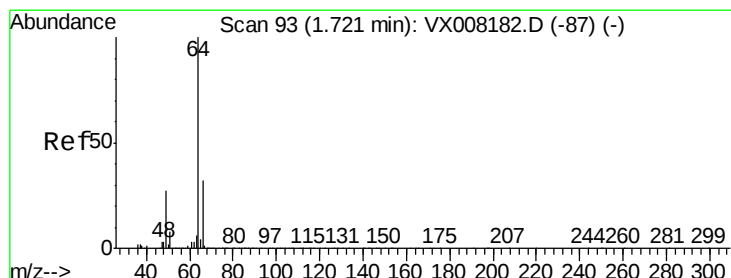
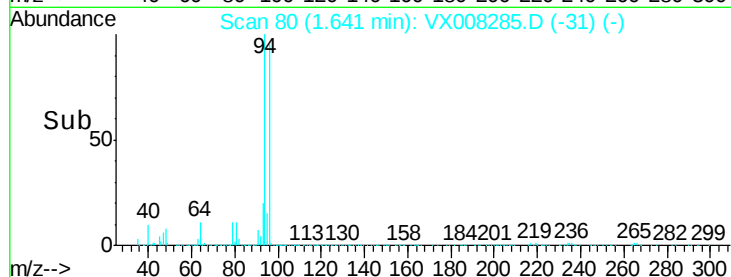
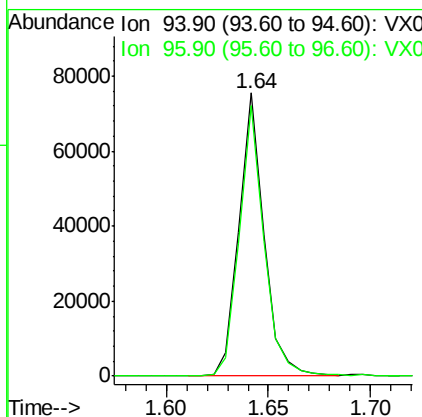
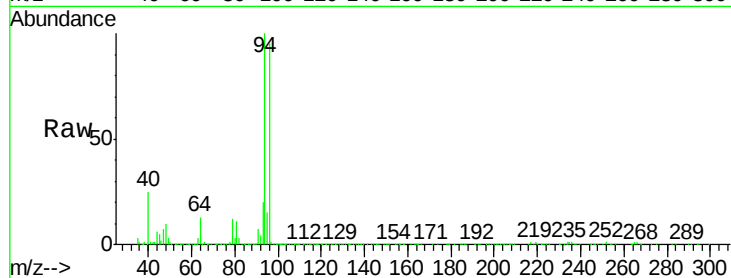
VX0321WBS01

Manual Integrations

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#6

Chloroethane

Concen: 19.83 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008285.D

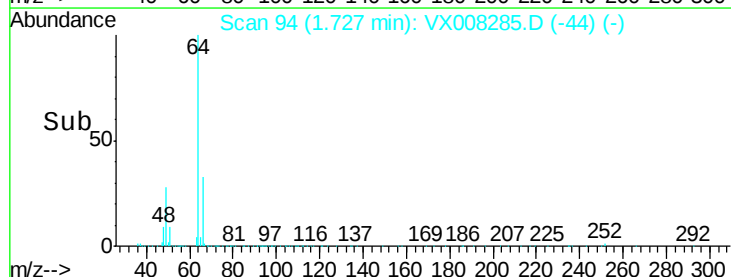
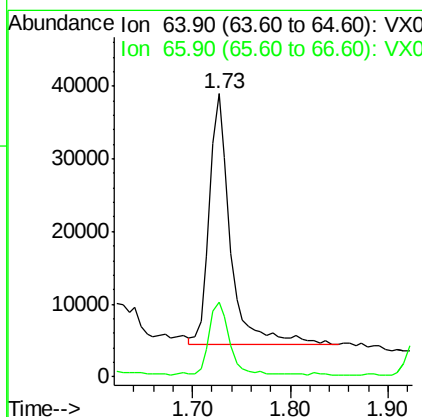
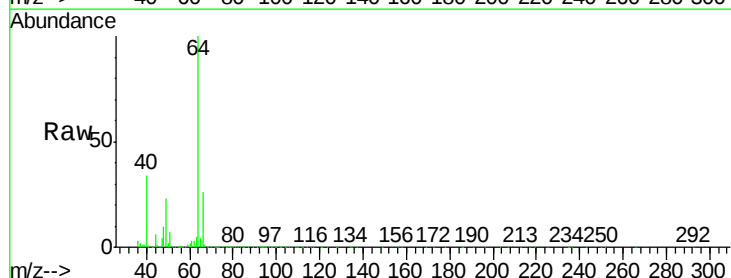
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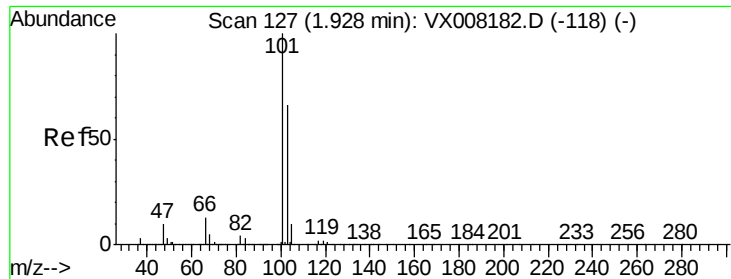
Tgt Ion: 64 Resp: 51420

Ion Ratio Lower Upper

64 100

66 29.2 25.2 37.8





#7

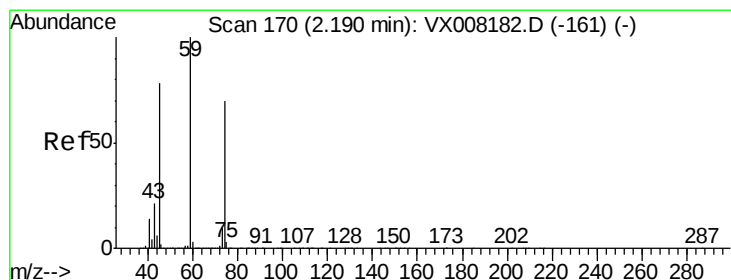
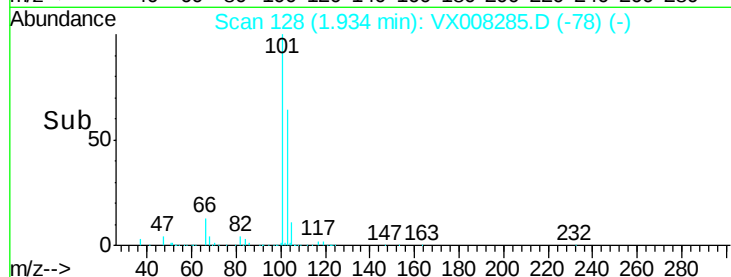
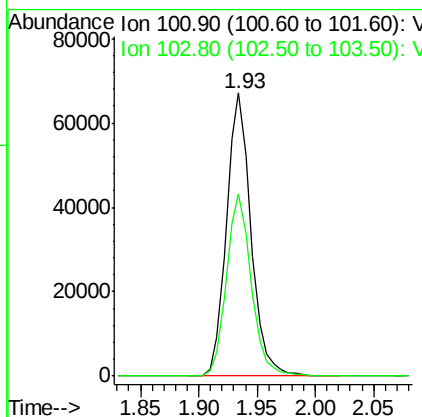
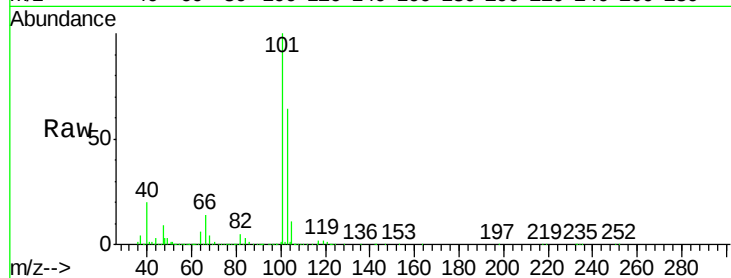
Trichlorofluoromethane
Concen: 18.55 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.4	75.6

Manual Integrations
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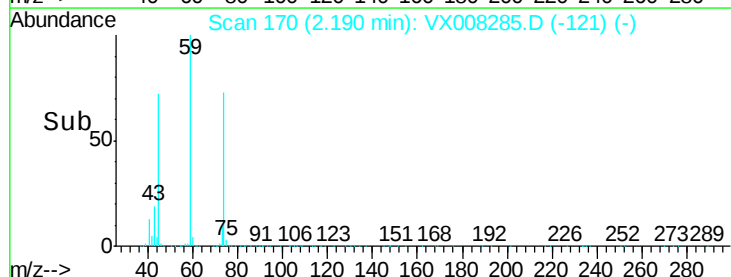
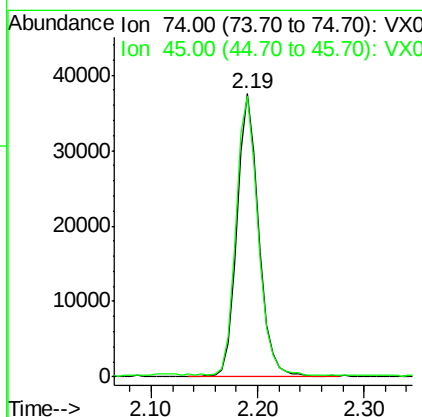
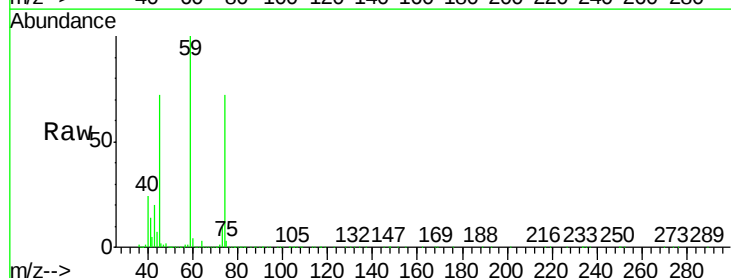
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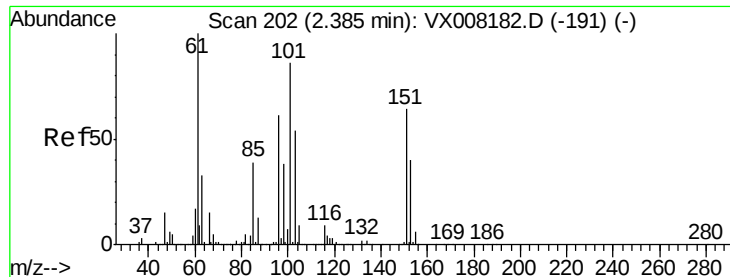


#8

Diethyl Ether
Concen: 19.94 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.4	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.74 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

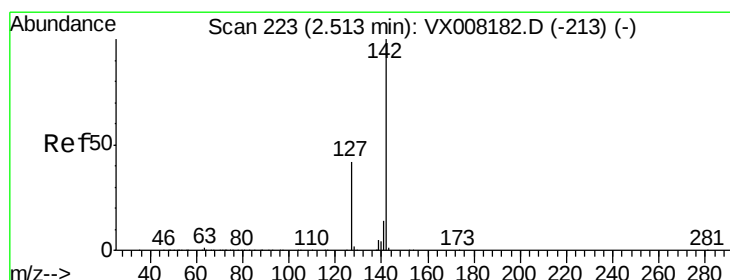
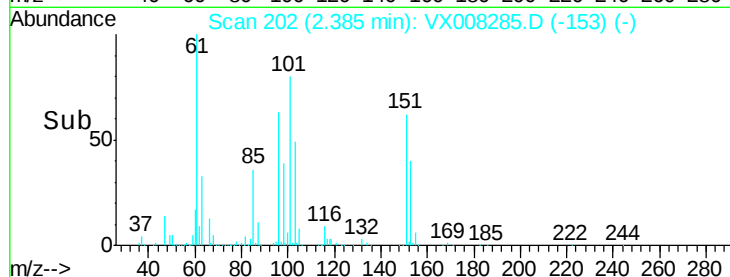
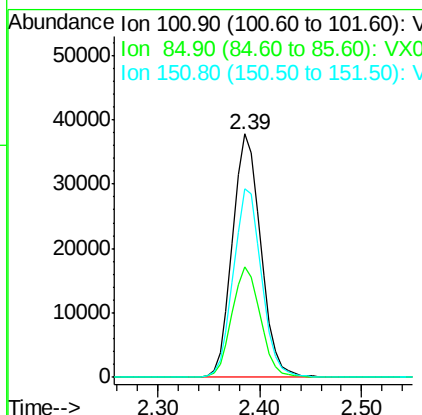
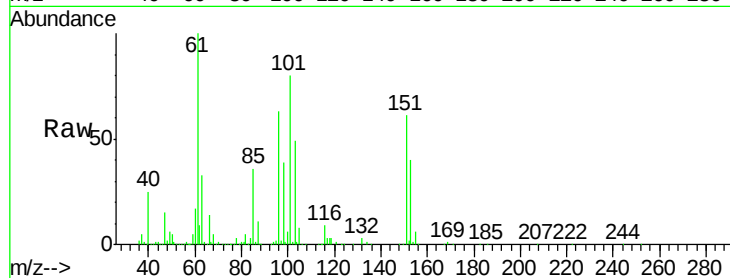
ClientSampleId :

VX0321WBS01

Tot Ion:	101	Resp:	72666
Ion Ratio	Lower	Upper	
101	100		
85	46.0	33.8	50.6
151	77.0	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 20.18 ug/l

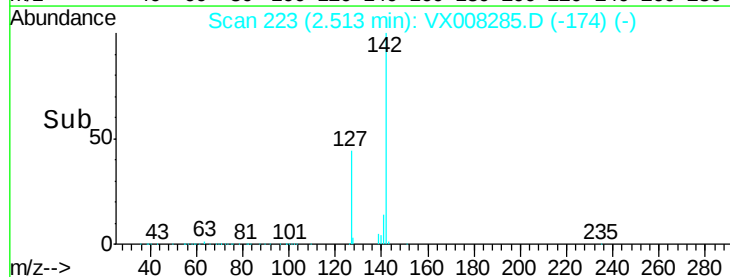
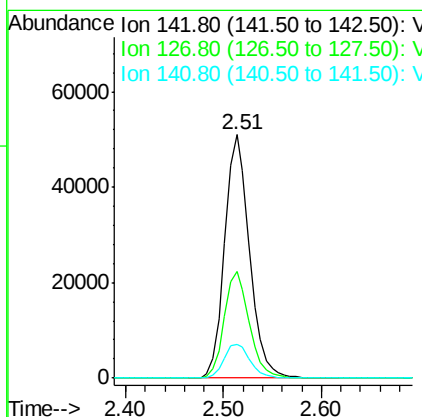
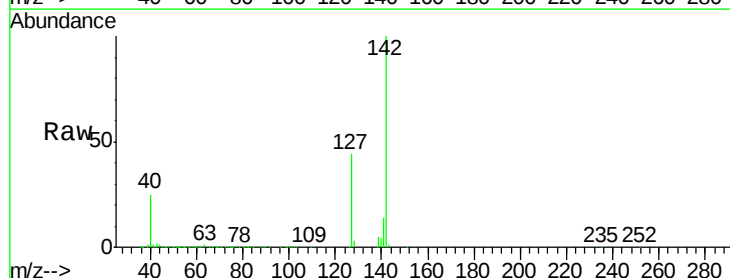
RT: 2.51 min Scan# 223

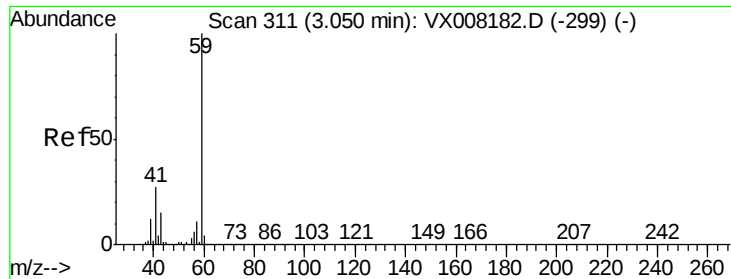
Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Tgt Ion:	142	Resp:	90018
Ion Ratio	Lower	Upper	
142	100		
127	44.2	32.1	48.1
141	14.7	11.4	17.2





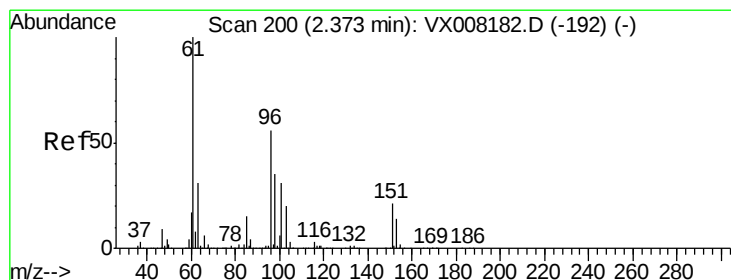
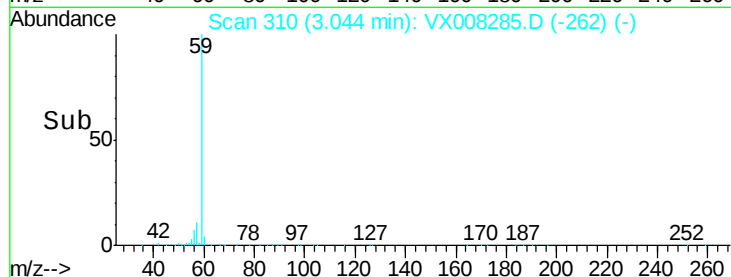
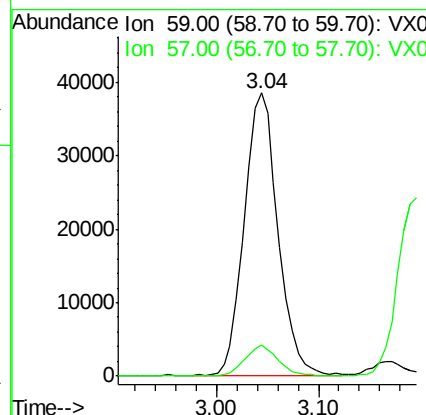
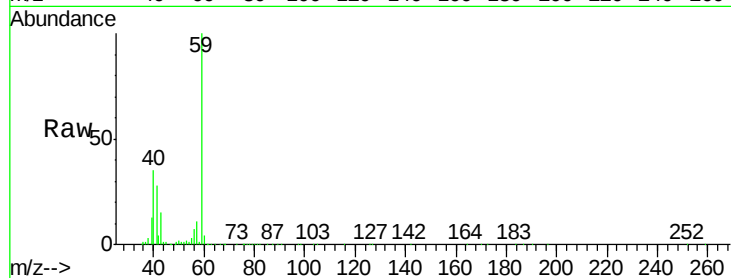
#11
Tert butyl alcohol
Concen: 100.31 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.5	8.2	12.2

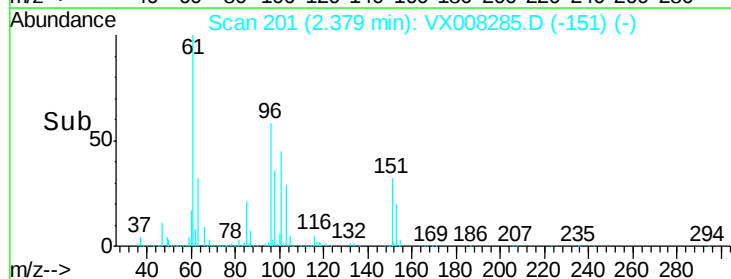
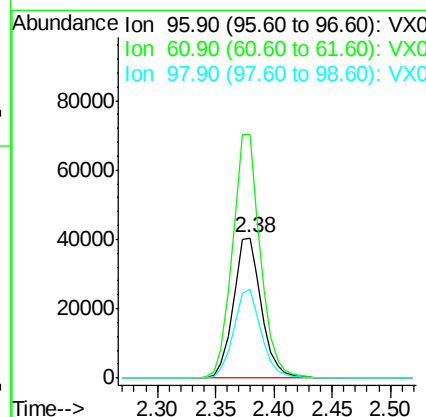
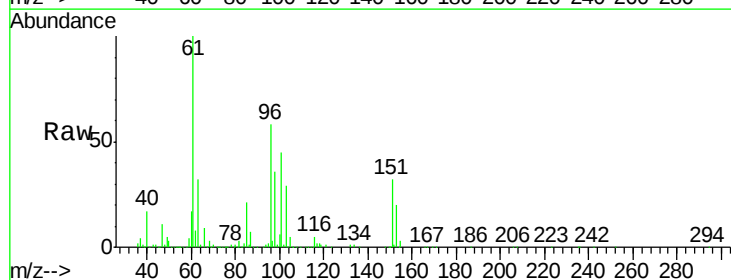
Manual Integrations
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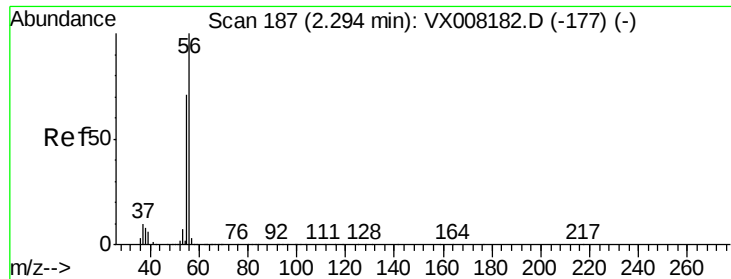
MMDadoda
3/22/2019 5:18:06 PM



#12
1,1-Dichloroethene
Concen: 20.41 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	173.2	129.8	194.6
98	98	62.9	51.0	76.6





#13

Acrolein

Concen: 126.52 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBS01

Tot Ion: 56 Resp: 81506

Ion Ratio Lower Upper

56 100

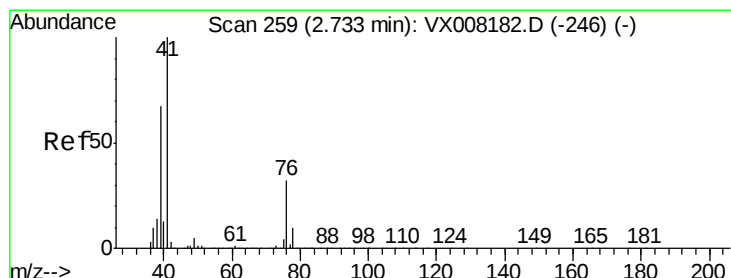
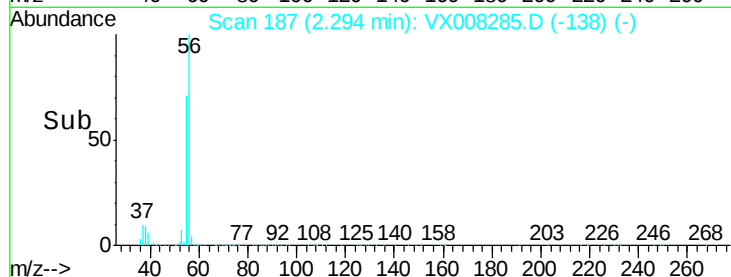
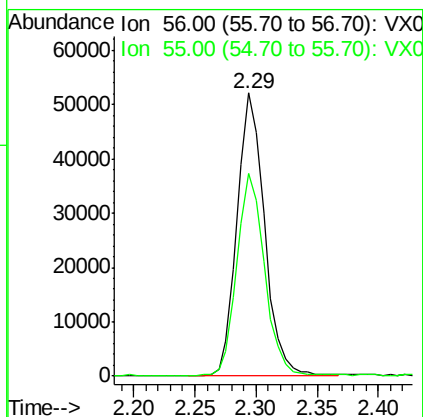
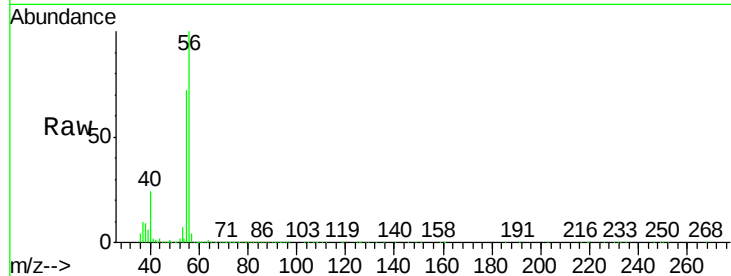
55 71.2 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.72 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

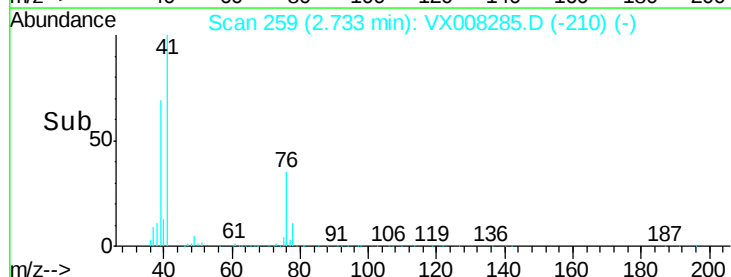
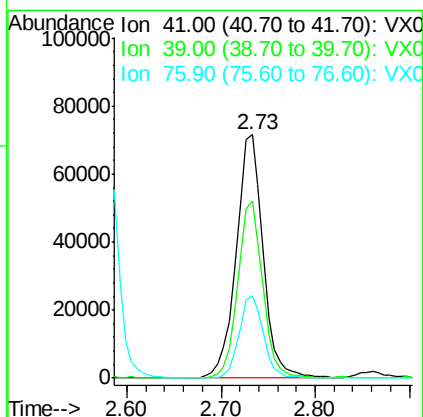
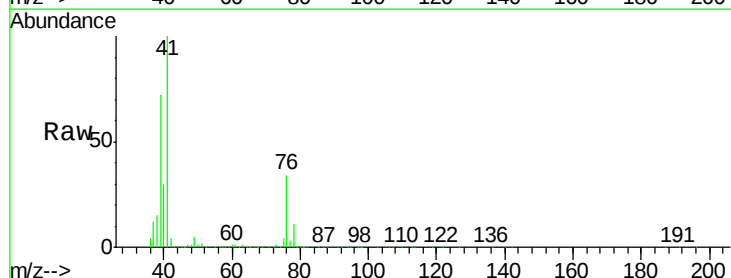
Tgt Ion: 41 Resp: 142025

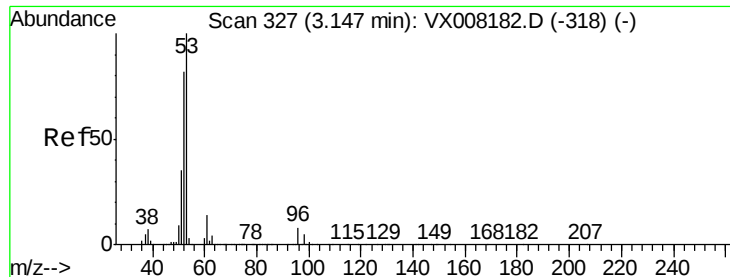
Ion Ratio Lower Upper

41 100

39 66.7 46.1 69.1

76 30.5 24.0 36.0





#15

Acrylonitrile

Concen: 98.12 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

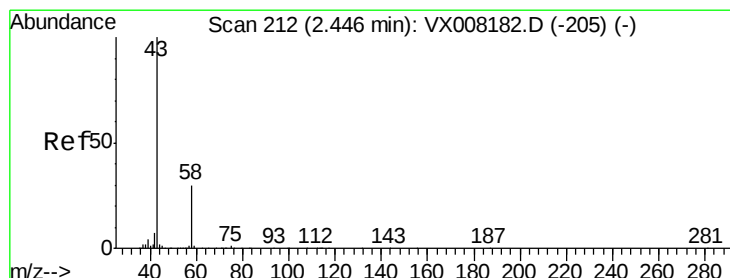
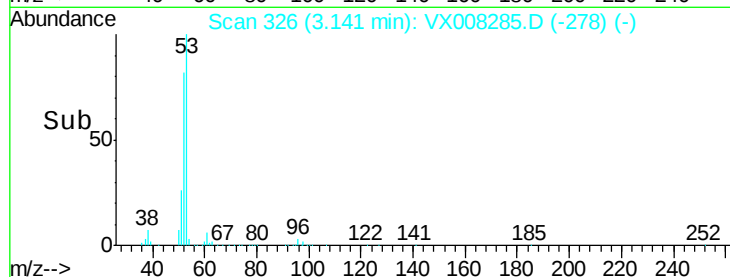
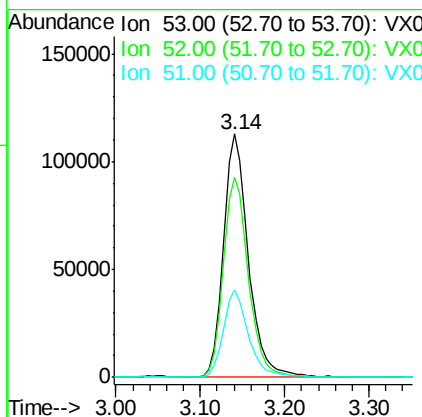
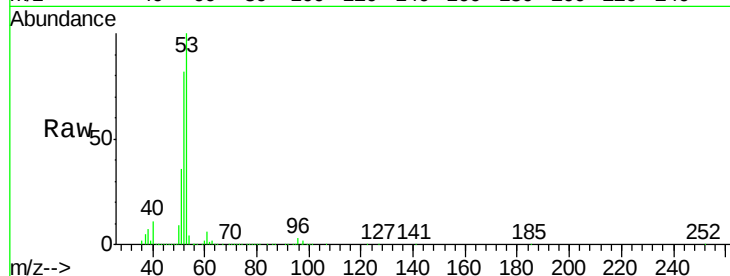
ClientSampleId :

VX0321WBS01

Tot Ion:	53	Resp:	228150
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.0	99.0
51	36.5	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 103.89 ug/l

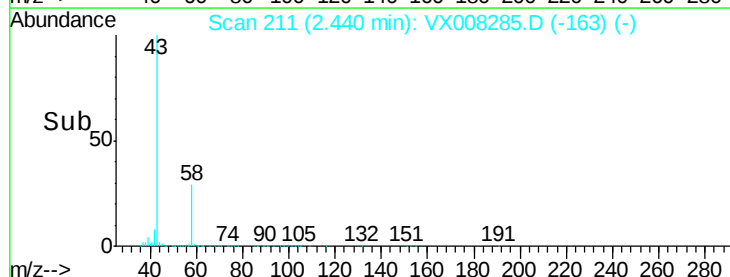
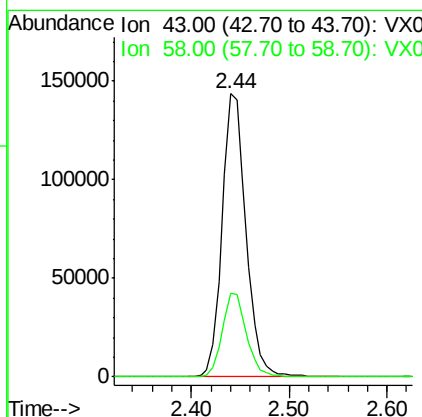
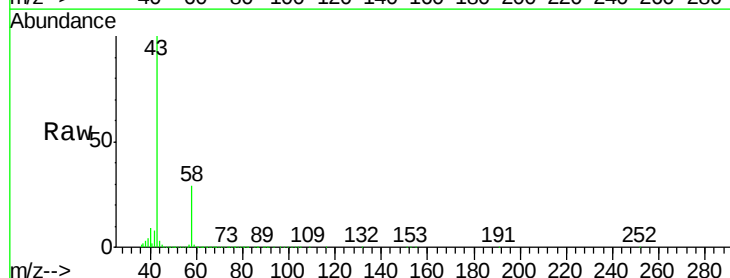
RT: 2.44 min Scan# 211

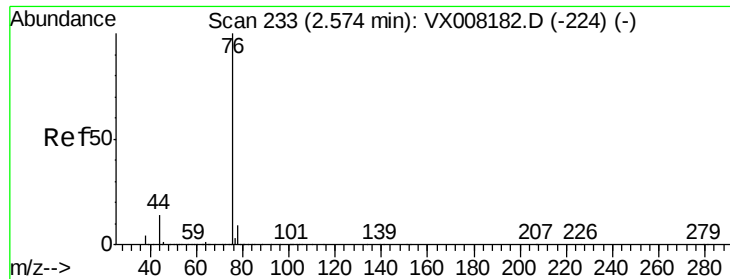
Delta R.T. -0.01 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Tgt Ion:	43	Resp:	241964
Ion Ratio		Lower	Upper
43	100		
58	29.3	25.5	38.3





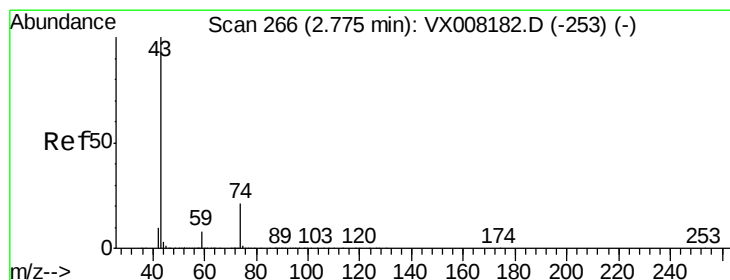
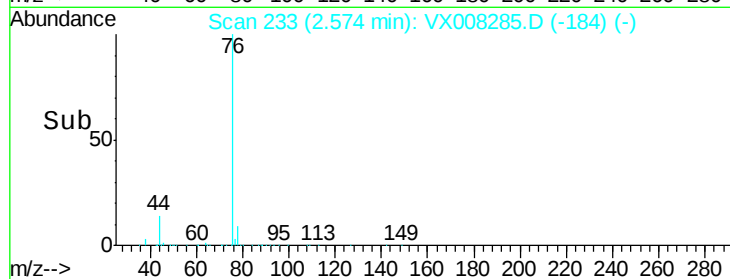
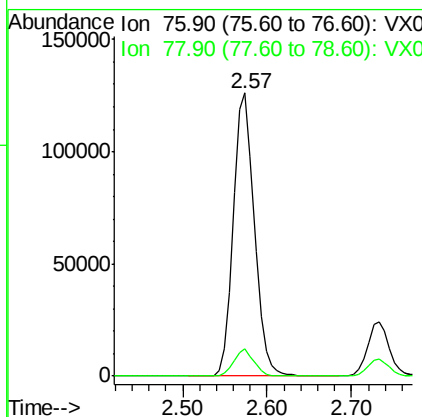
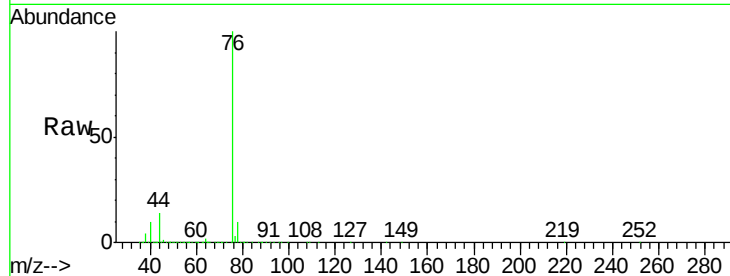
#17
Carbon Disulfide
Concen: 20.17 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.2	10.8

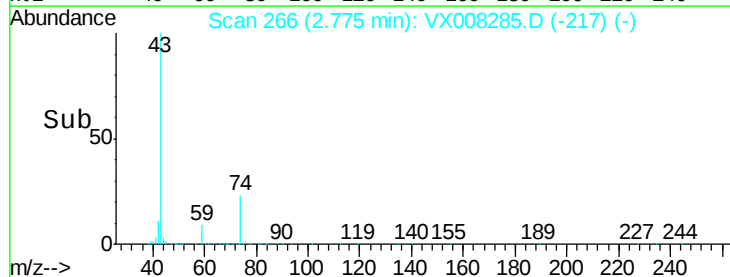
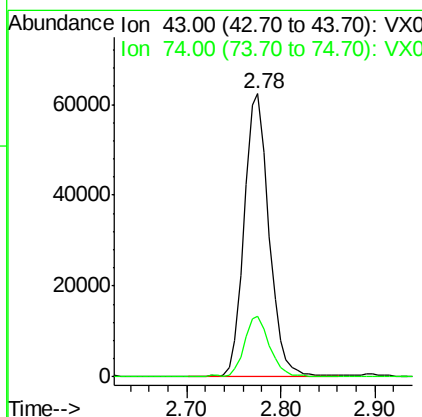
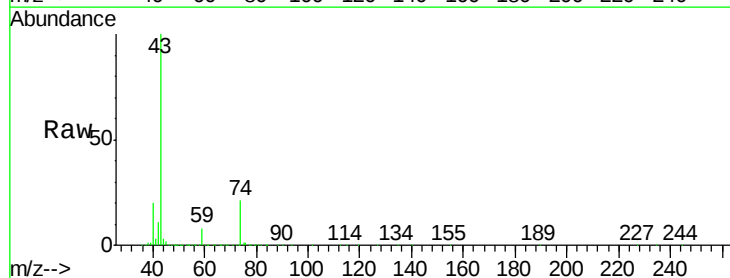
Manual Integrations
APPROVED

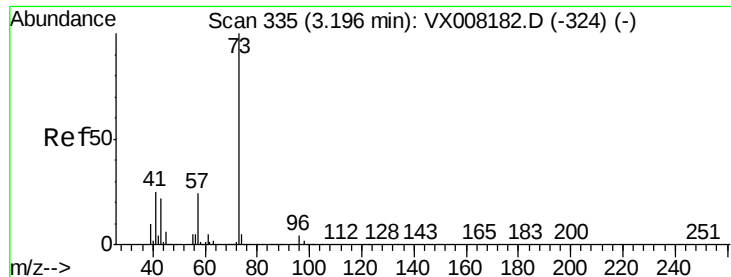
MMDadoda
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#18
Methyl Acetate
Concen: 21.13 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.8	26.6





#19

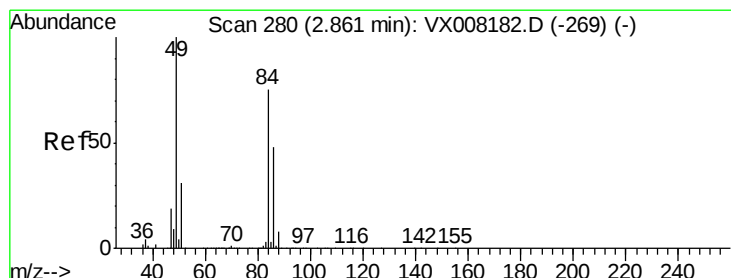
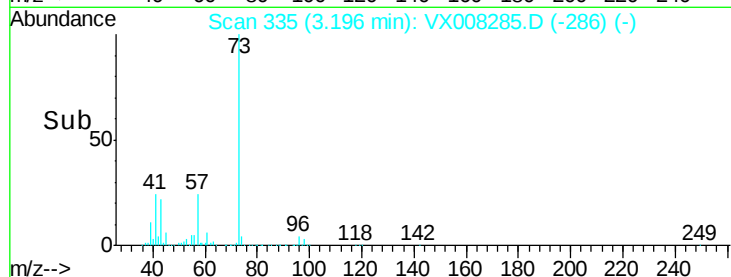
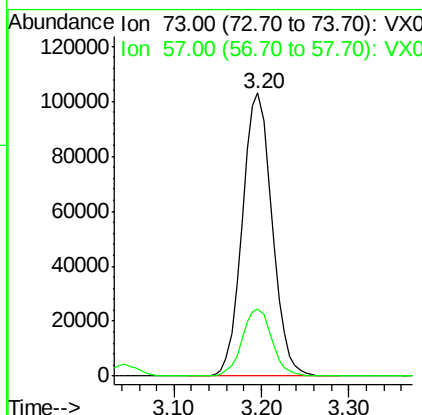
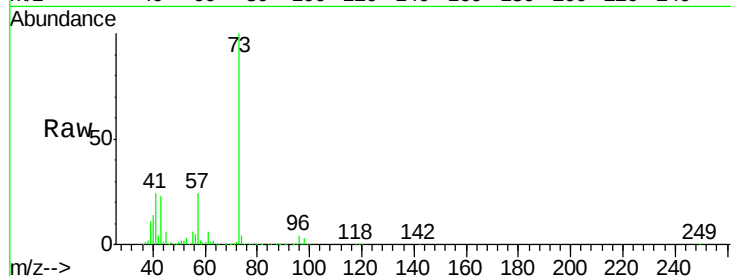
Methyl tert-butyl Ether
 Concen: 20.43 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX008285.D
 Acq: 21 Mar 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	18.2	27.4

Manual Integrations
 APPROVED

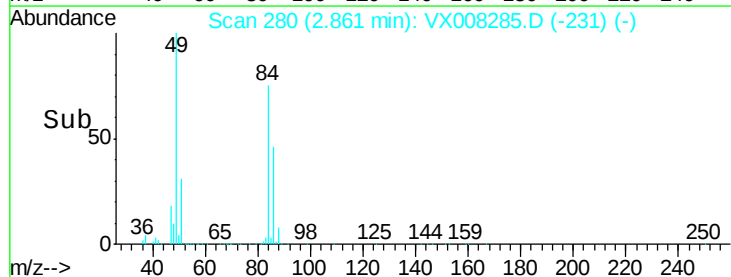
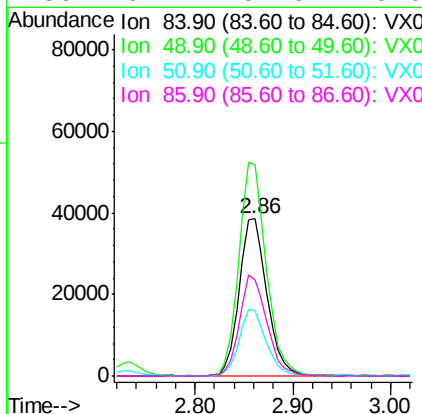
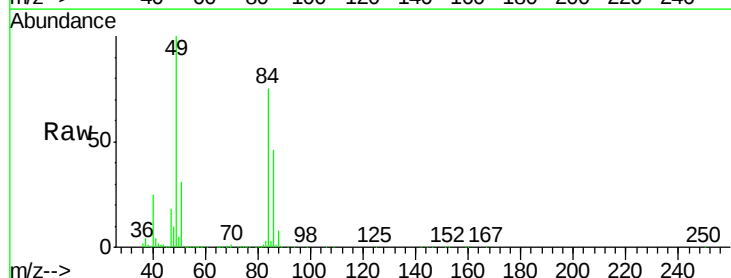
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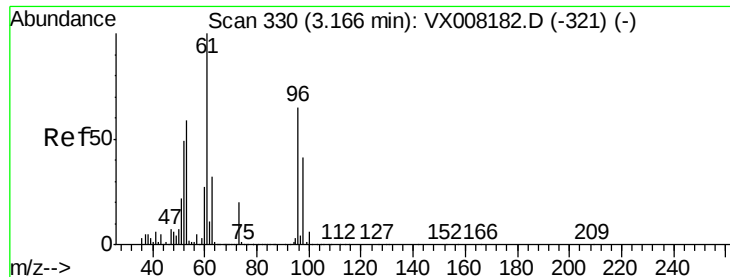


#20

Methylene Chloride
 Concen: 19.58 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX008285.D
 Acq: 21 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.8	99.3	148.9
51	41.3	31.3	46.9
86	61.2	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 19.63 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

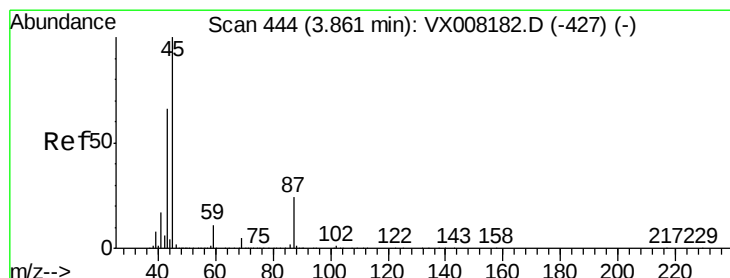
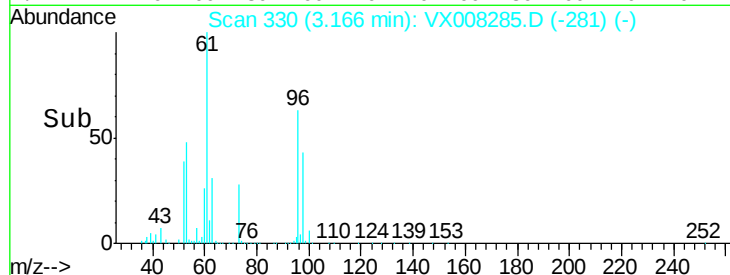
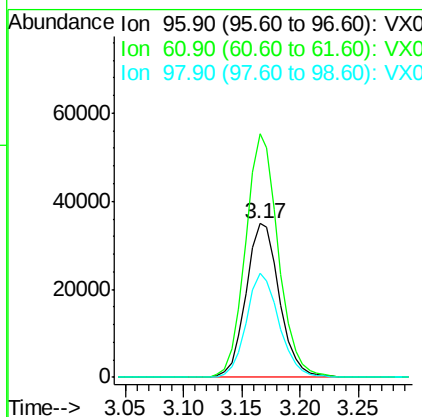
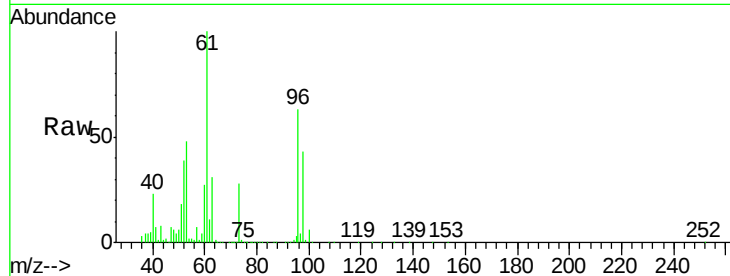
ClientSampleId :

VX0321WBS01

Tot Ion:	96	Resp:	70162
Ion	Ratio	Lower	Upper
96	100		
61	157.8	114.4	171.6
98	67.3	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.23 ug/l

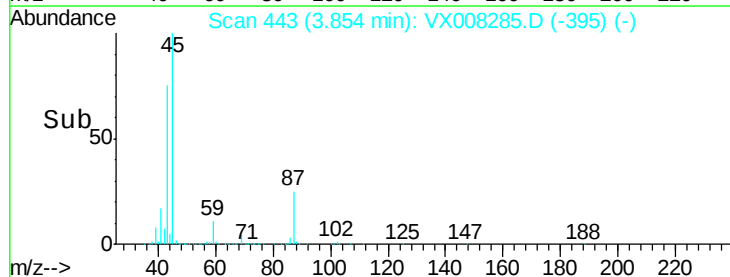
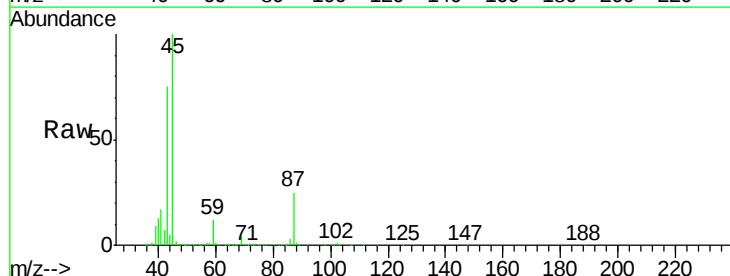
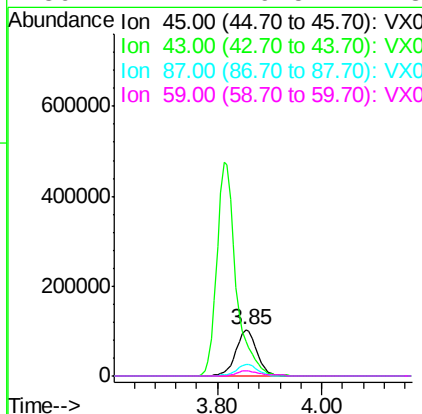
RT: 3.85 min Scan# 443

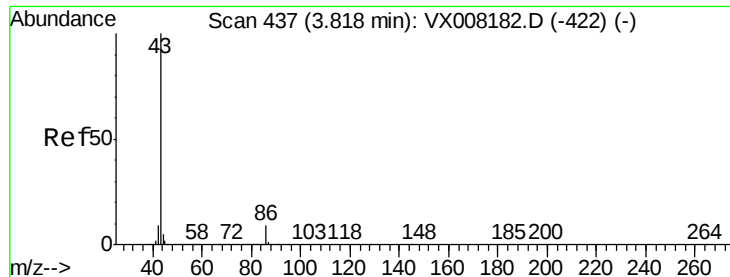
Delta R.T. -0.01 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Tgt Ion:	45	Resp:	285302
Ion	Ratio	Lower	Upper
45	100		
43	75.0	45.3	67.9#
87	25.2	21.4	32.0
59	11.4	9.5	14.3





#23

Vinyl Acetate

Concen: 101.84 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Tot Ion: 43 Resp: 1231422

Ion Ratio Lower Upper

43 100

86 9.1 7.9 11.9

Instrument :

MSVOA_X

ClientSampleId :

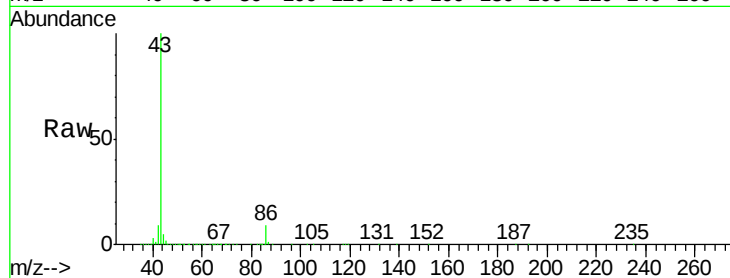
VX0321WBS01

Manual Integrations

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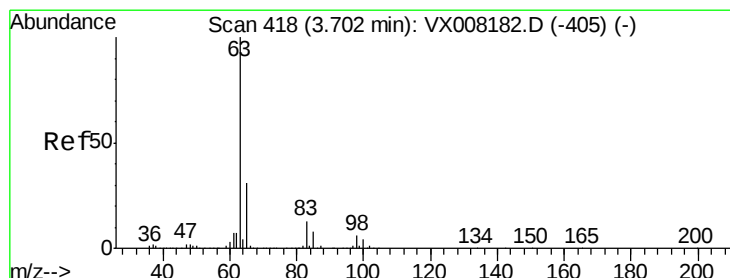
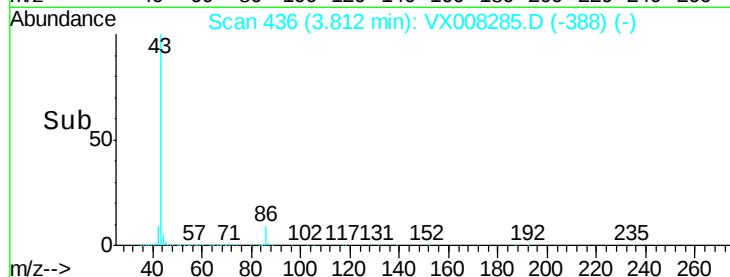
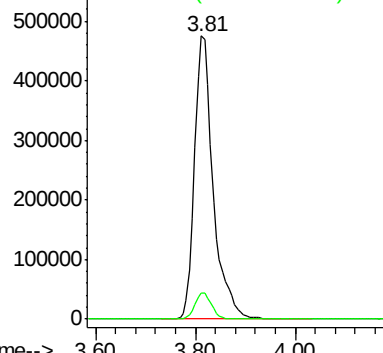
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.22 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

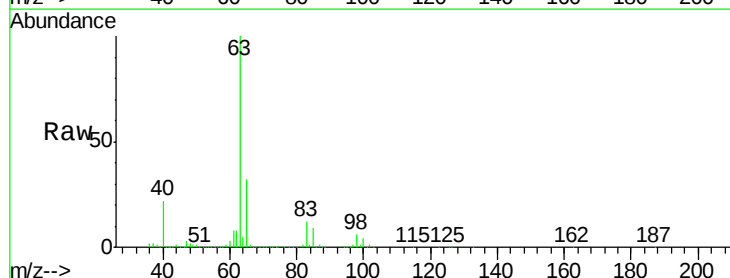
Tgt Ion: 63 Resp: 146701

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

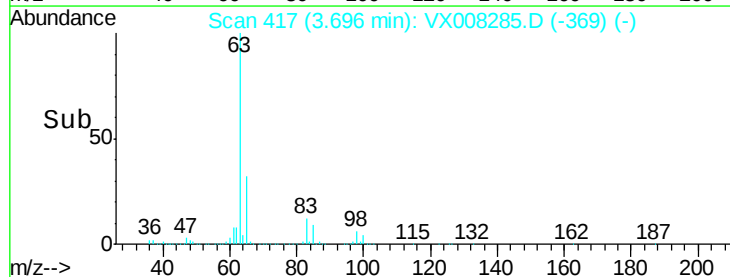
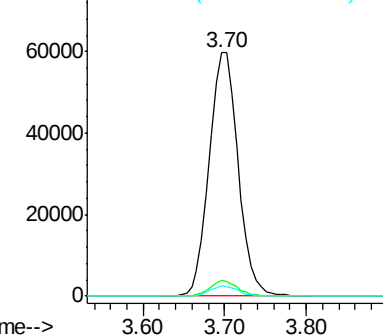
100 4.5 2.3 6.8

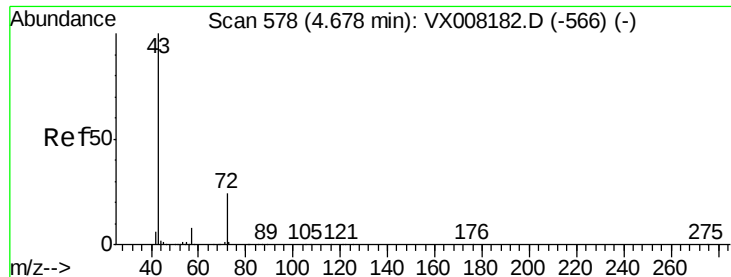


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 101.08 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBS01

Tot Ion: 43 Resp: 347488

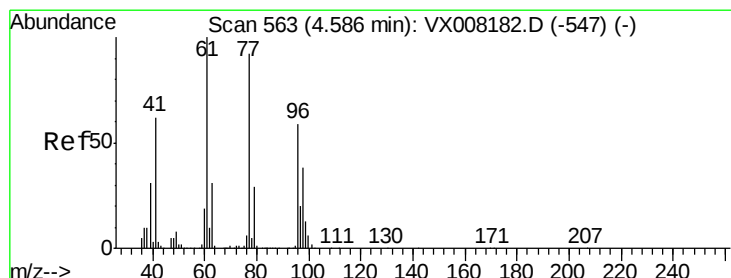
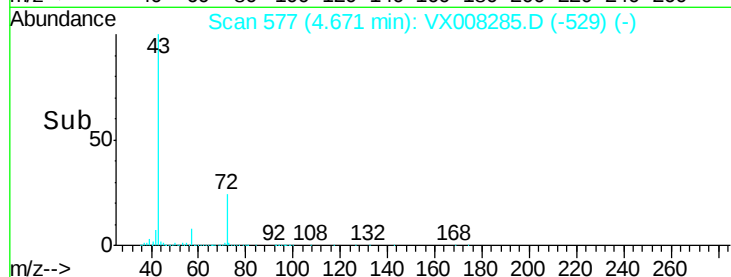
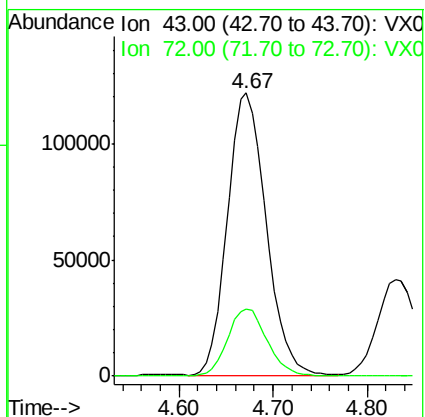
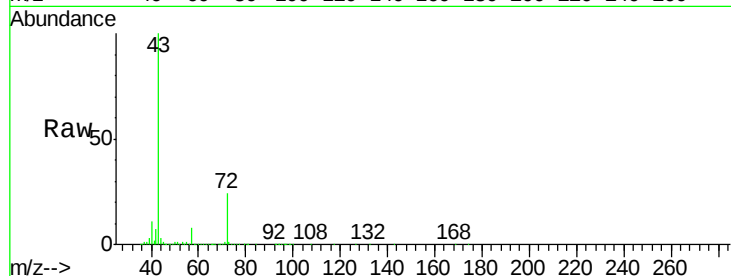
Ion Ratio Lower Upper

43 100

72 23.8 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 19.17 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008285.D

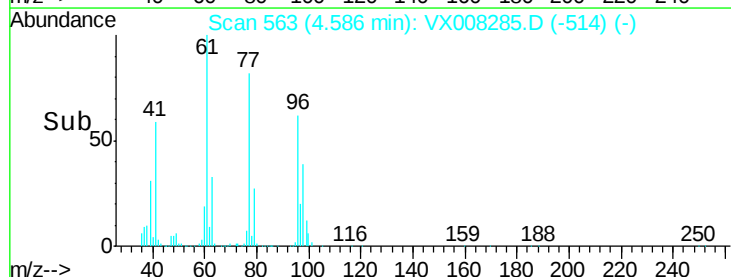
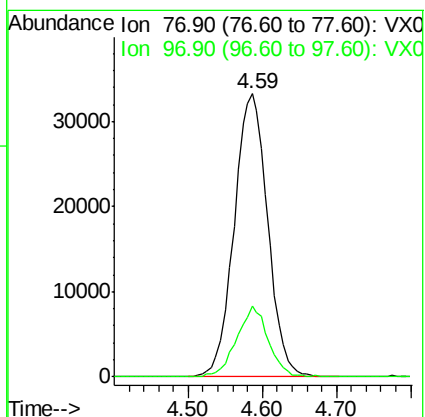
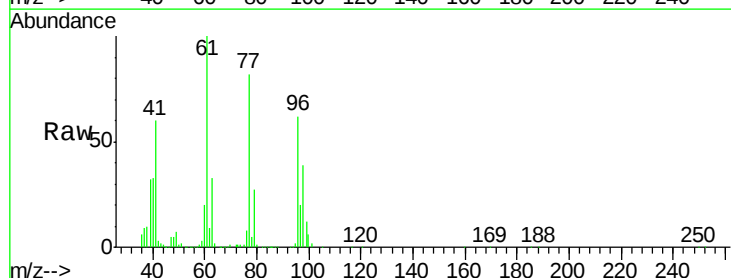
Acq: 21 Mar 2019 12:53

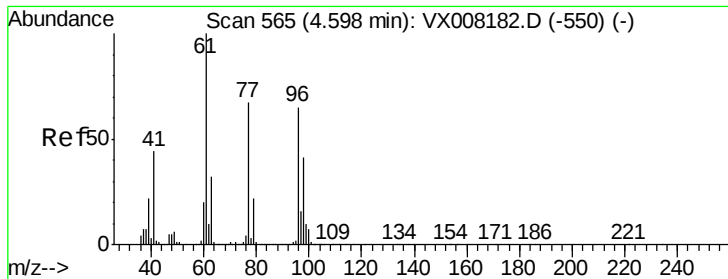
Tgt Ion: 77 Resp: 104779

Ion Ratio Lower Upper

77 100

97 23.4 12.2 36.6





#27

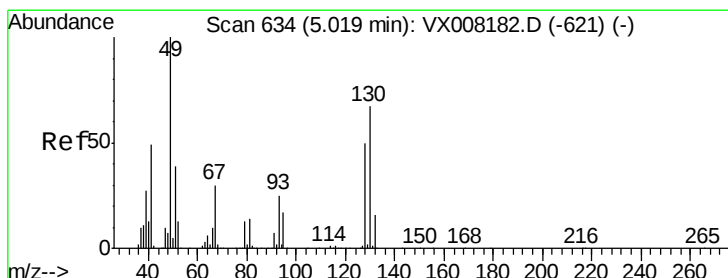
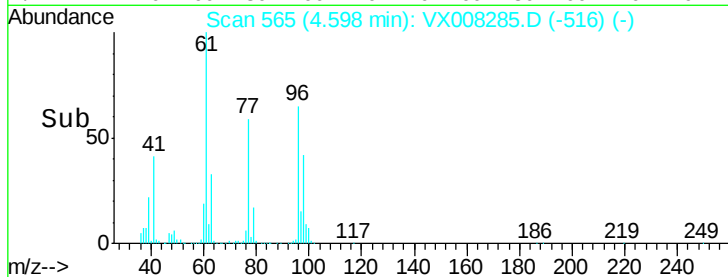
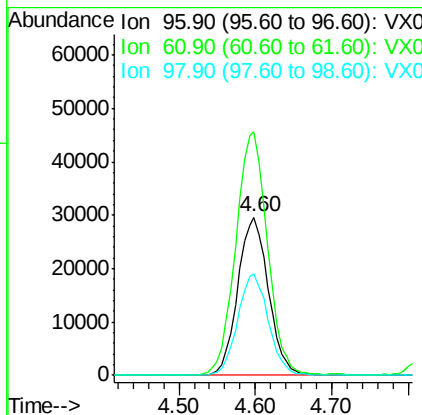
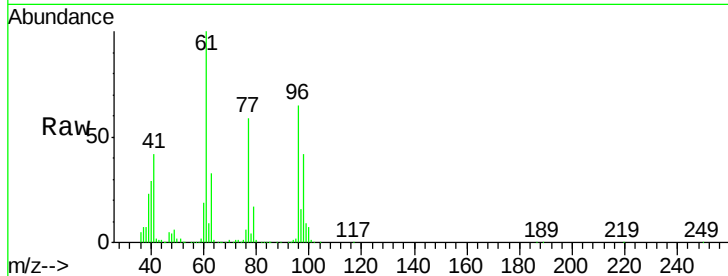
cis-1,2-Dichloroethene
Concen: 20.29 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.7	0.0	288.0
98	63.9	0.0	129.0

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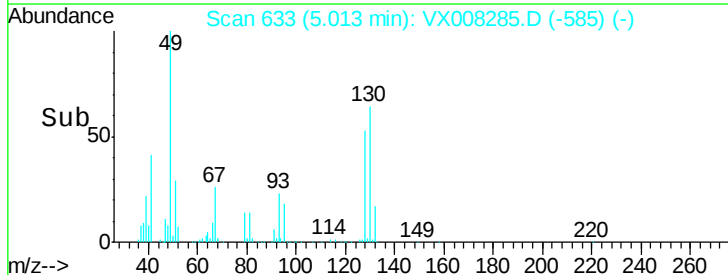
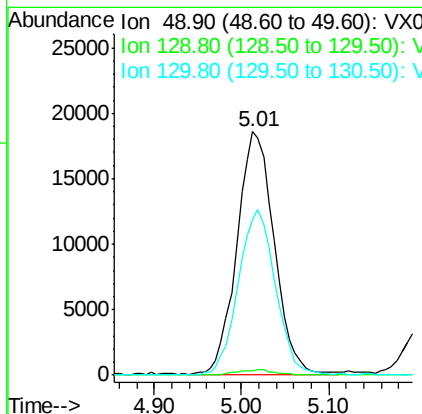
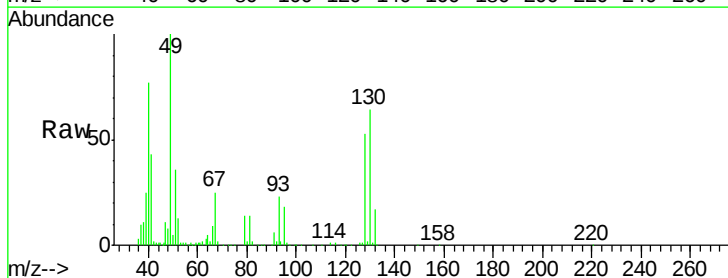
MMDadoda
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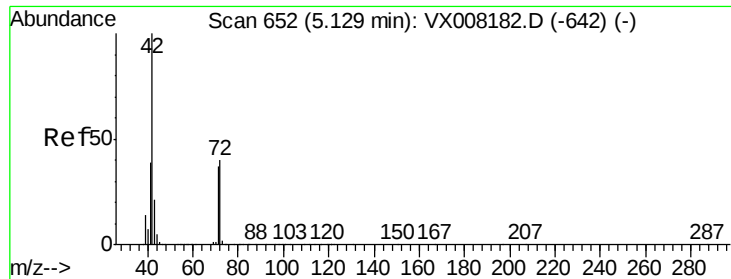


#28

Bromochloromethane
Concen: 16.80 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.0
130	68.5	65.0	97.4





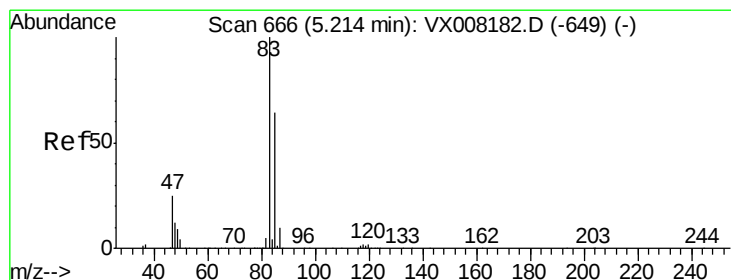
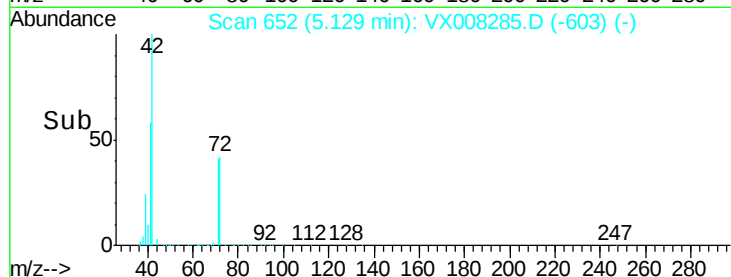
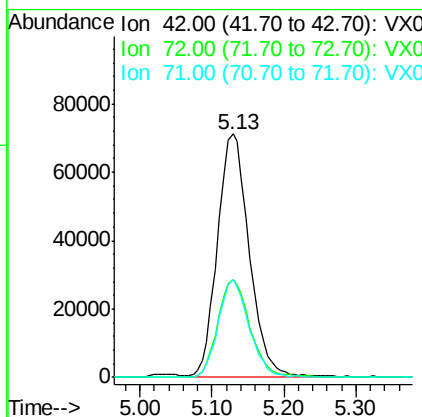
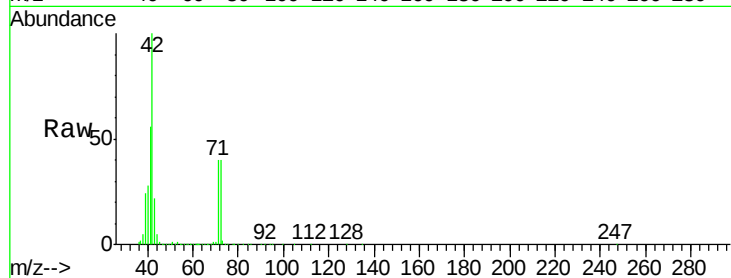
#29
Tetrahydrofuran
Concen: 101.09 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.8	50.6
71	39.1	31.5	47.3

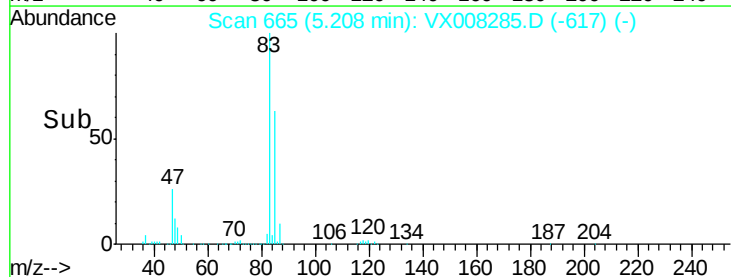
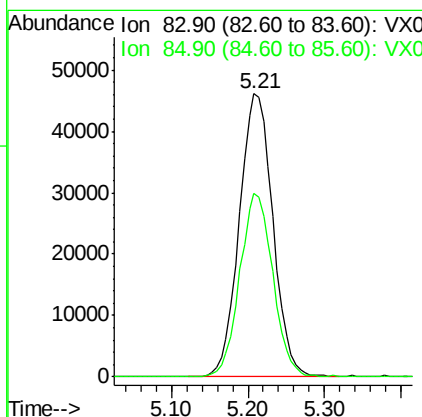
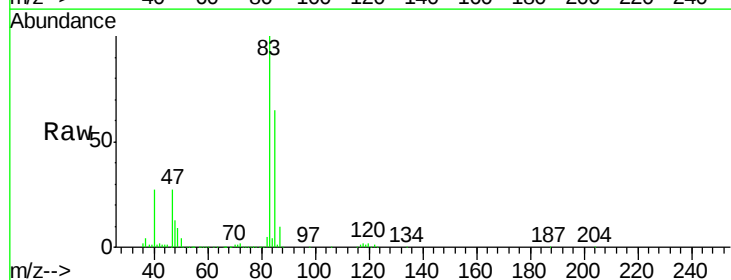
Manual Integrations
APPROVED

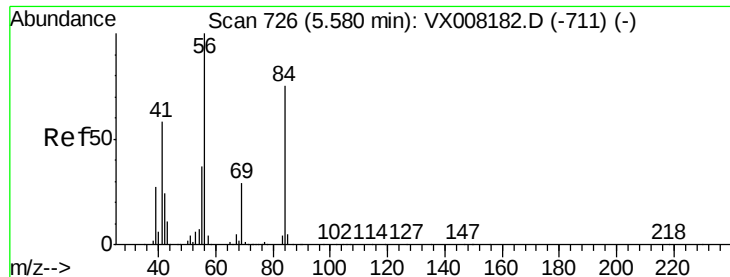
MMDadoda
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#30
Chloroform
Concen: 20.76 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6





#31

Cyclohexane

Concen: 20.75 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

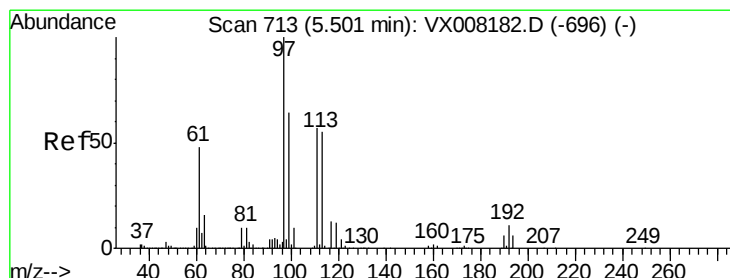
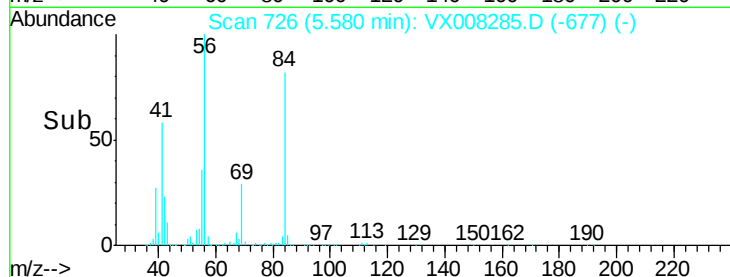
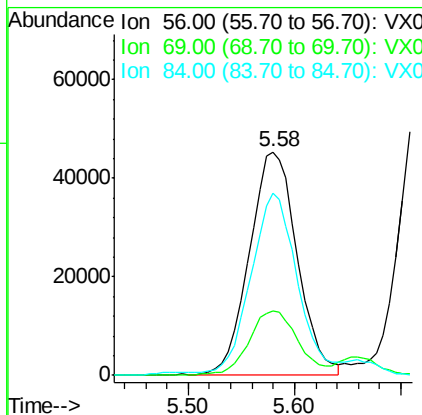
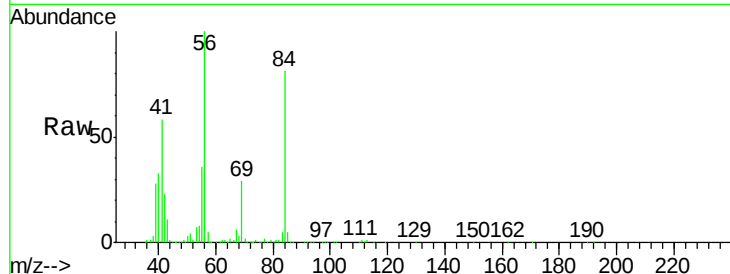
ClientSampleId :

VX0321WBS01

Tot Ion:	56	Resp:	141314
Ion Ratio		Lower	Upper
56	100		
69	28.9	24.0	36.0
84	80.1	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.74 ug/l

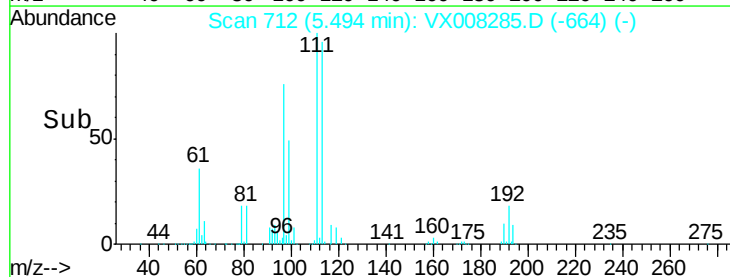
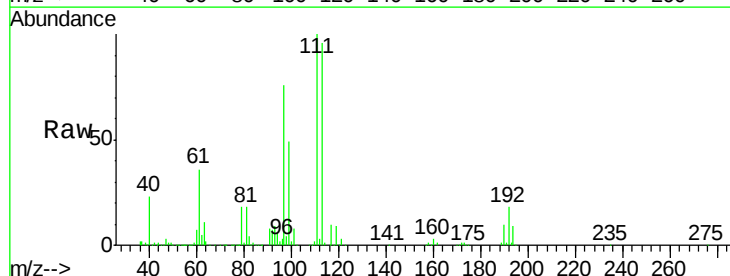
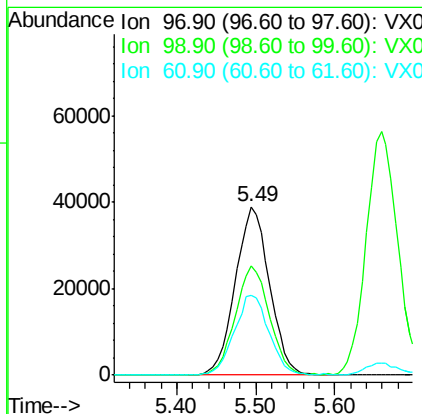
RT: 5.49 min Scan# 712

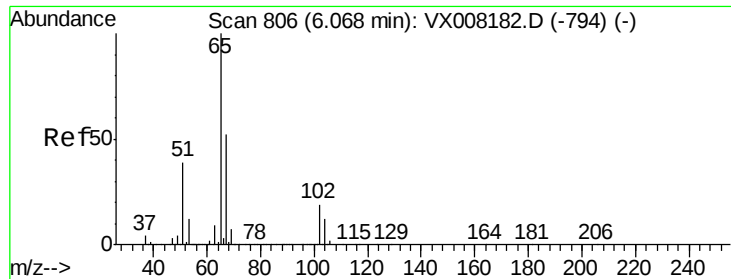
Delta R.T. -0.01 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Tgt Ion:	97	Resp:	117091
Ion Ratio		Lower	Upper
97	100		
99	65.1	52.2	78.2
61	47.9	34.9	52.3





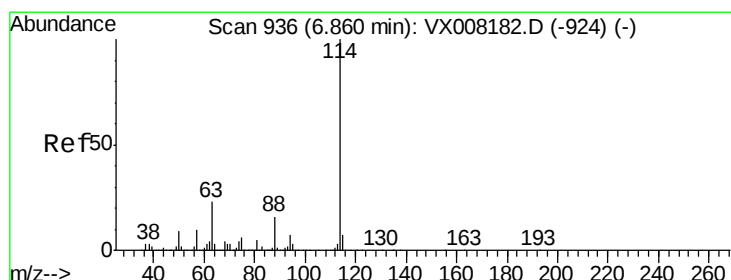
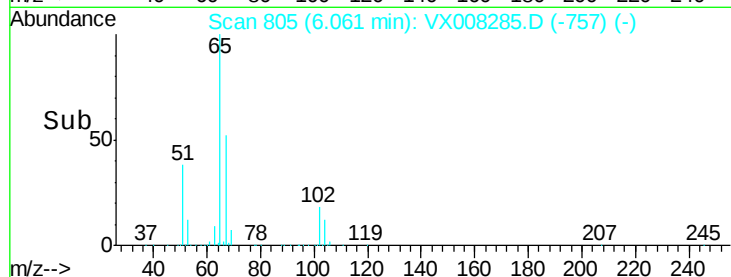
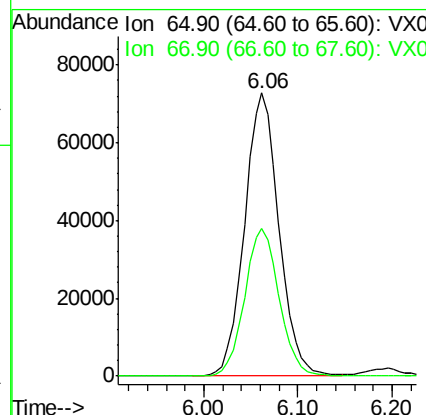
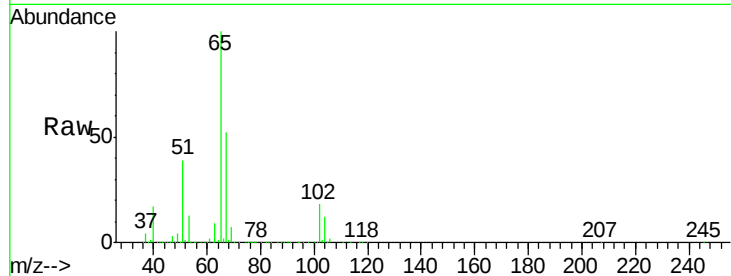
#33
 1,2-Dichloroethane-d4
 Concen: 45.10 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX008285.D
 Acq: 21 Mar 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185194		
67	52.6	0.0	110.0	

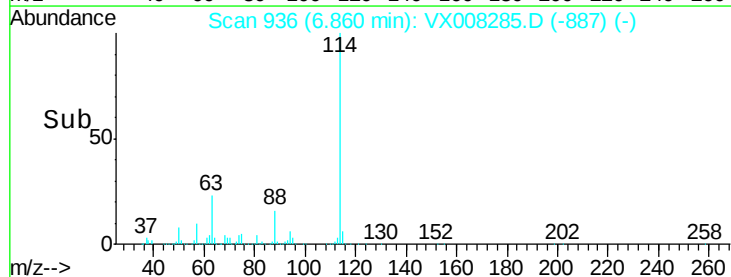
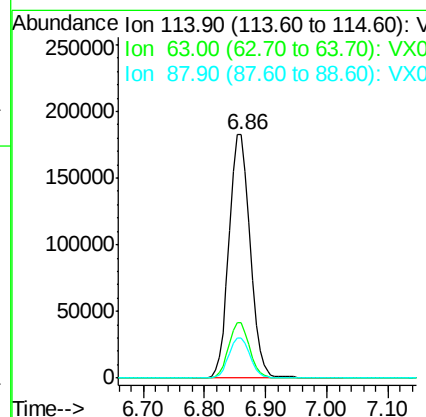
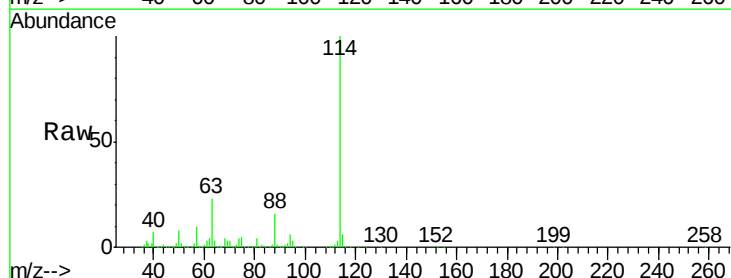
Manual Integrations
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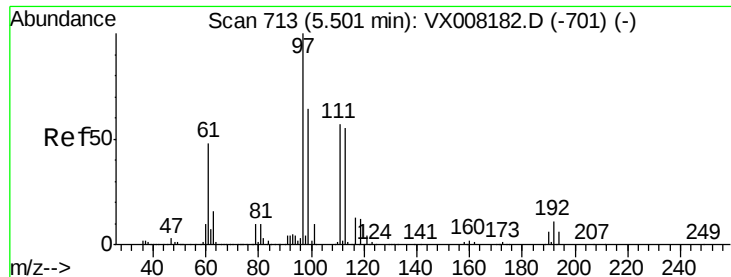
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008285.D
 Acq: 21 Mar 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	435871		
63	22.9	0.0	39.8	
88	16.4	0.0	31.4	





#35

Dibromofluoromethane

Concen: 48.93 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

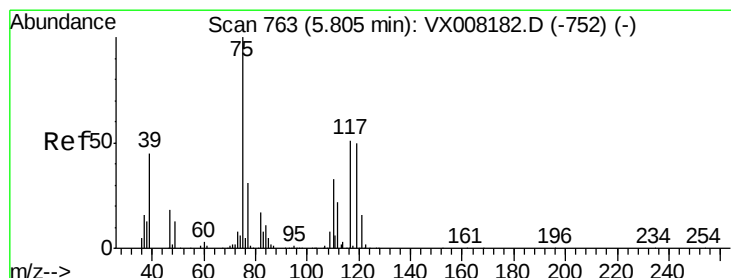
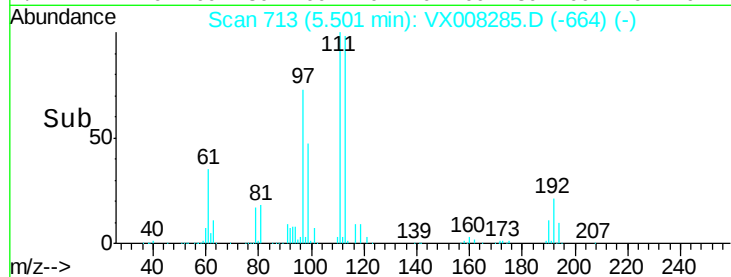
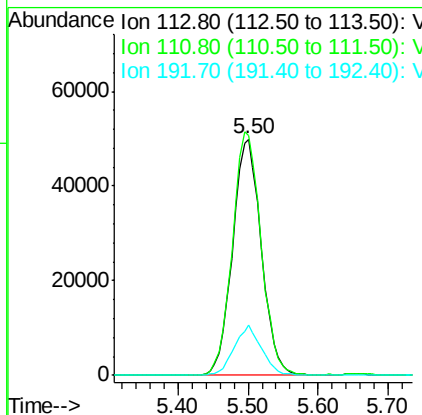
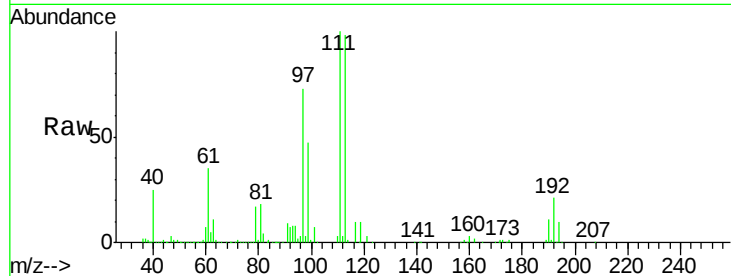
ClientSampleId :

VX0321WBS01

Tot Ion:	113	Resp:	142772
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.4	122.0
192	20.1	19.4	29.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.97 ug/l

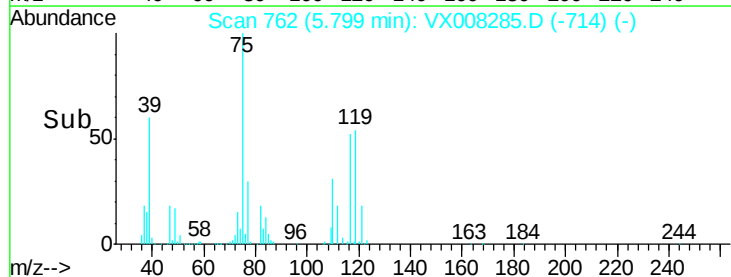
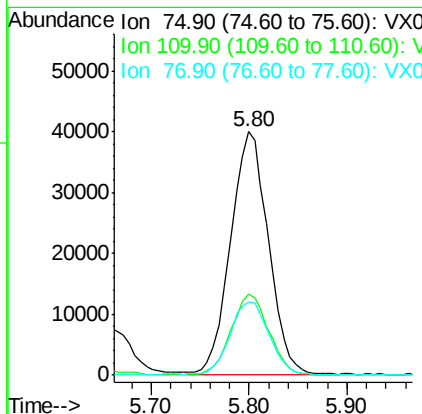
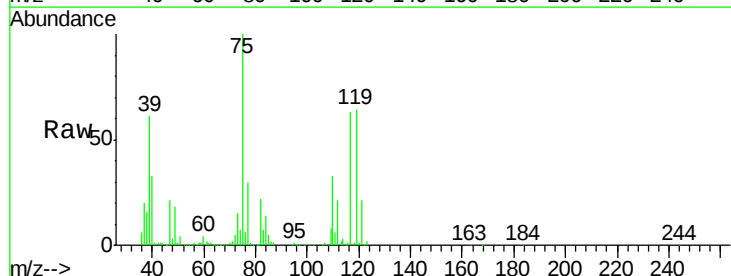
RT: 5.80 min Scan# 762

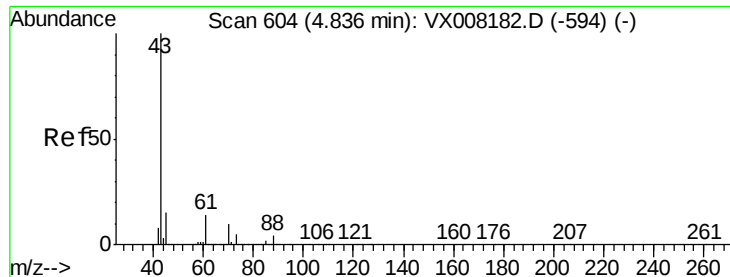
Delta R.T. -0.01 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Tgt Ion:	75	Resp:	106428
Ion Ratio	Lower	Upper	
75	100		
110	33.7	18.4	55.0
77	31.3	25.0	37.4





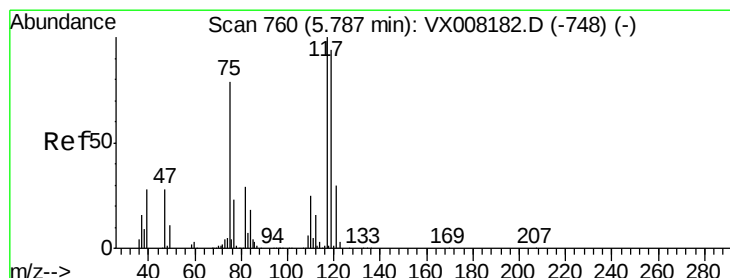
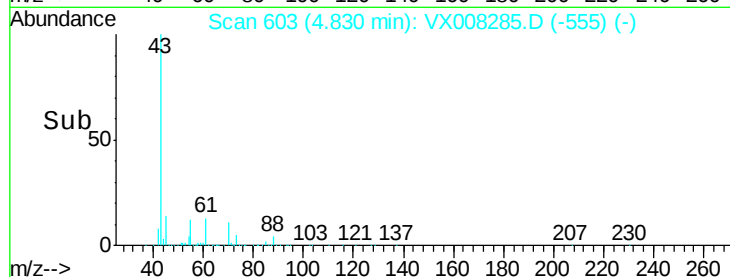
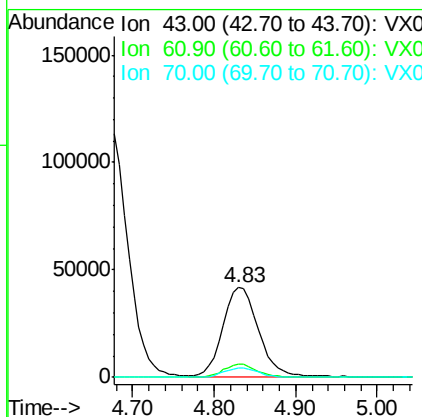
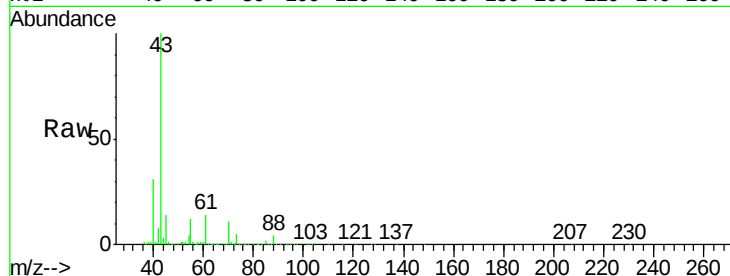
#37
Ethyl Acetate
Concen: 20.93 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tot Ion:	43	Resp:	125575
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.3	16.9
70	10.0	8.5	12.7

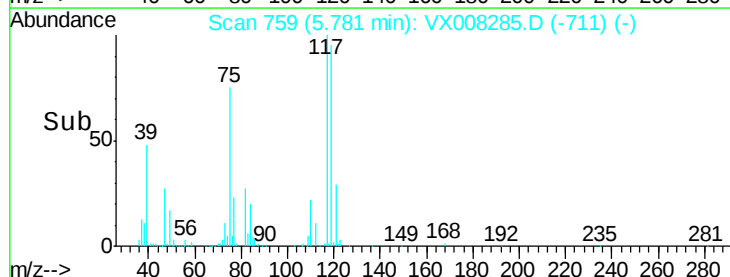
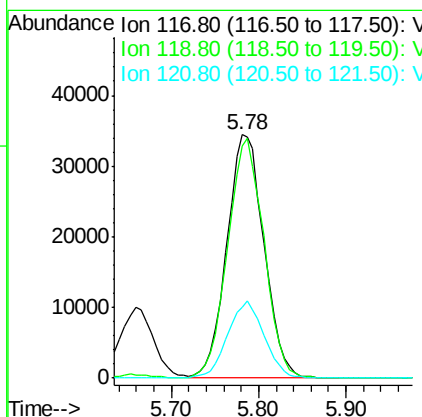
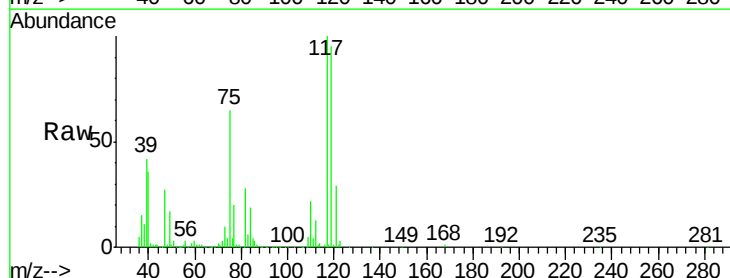
Manual Integrations
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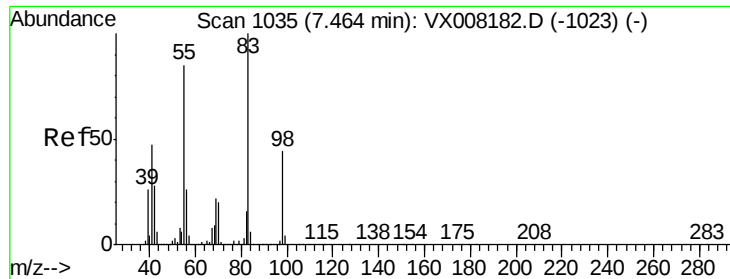
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#38
Carbon Tetrachloride
Concen: 22.43 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Tgt Ion:	117	Resp:	101398
Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.2	114.2
121	29.0	24.6	36.8





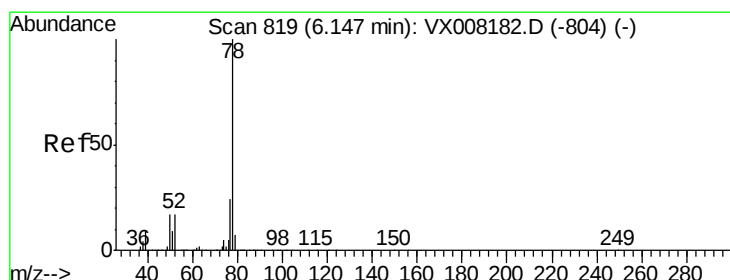
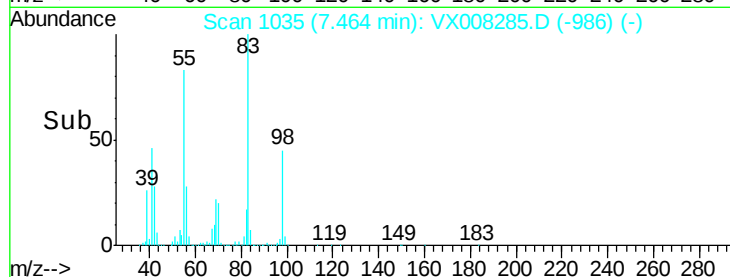
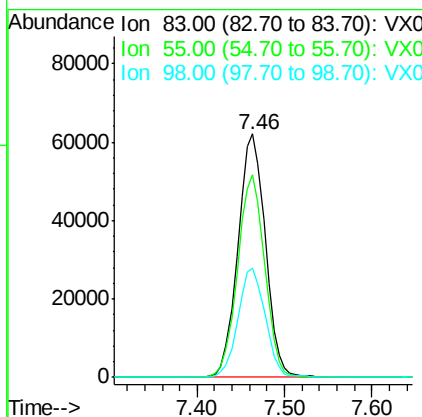
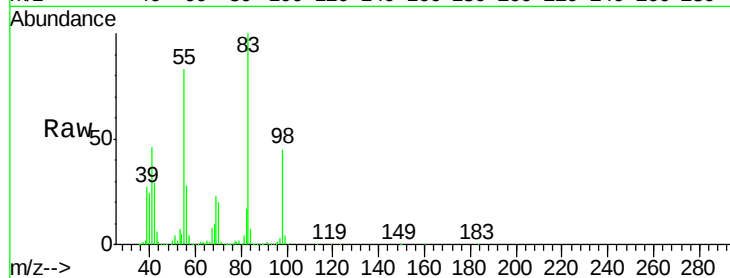
#39
Methvlcvclohexane
Concen: 22.13 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	135132		
55	83.3	60.4	90.6	
98	44.6	36.5	54.7	

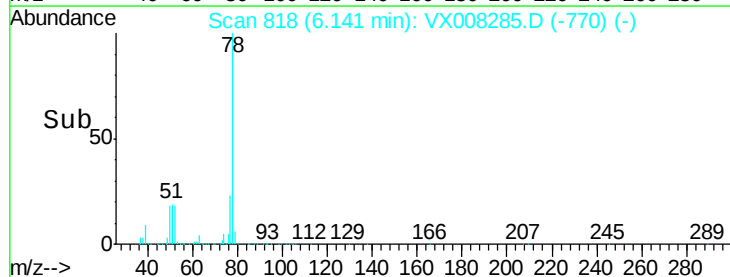
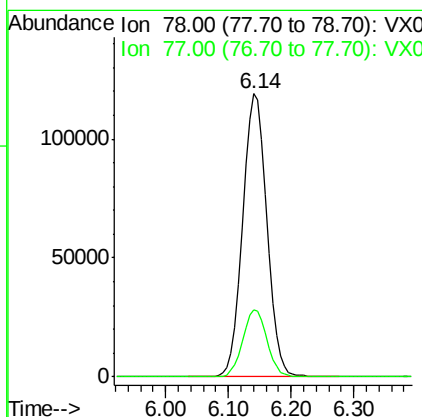
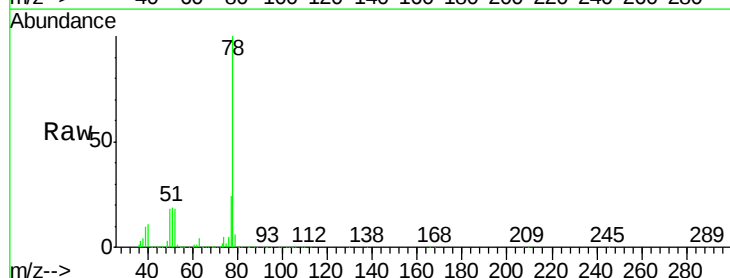
Manual Integrations
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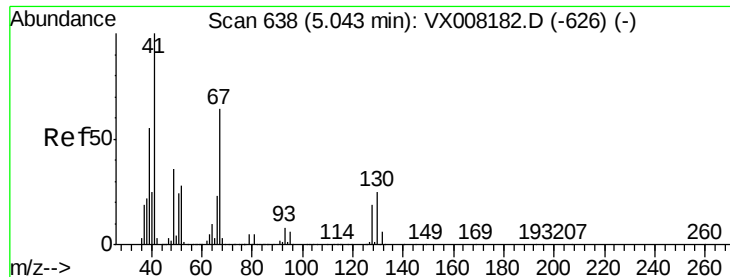
MMDadoda
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#40
Benzene
Concen: 21.22 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	318682		
77	23.4	19.0	28.4	





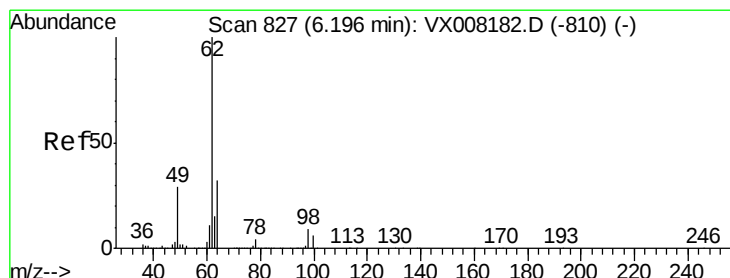
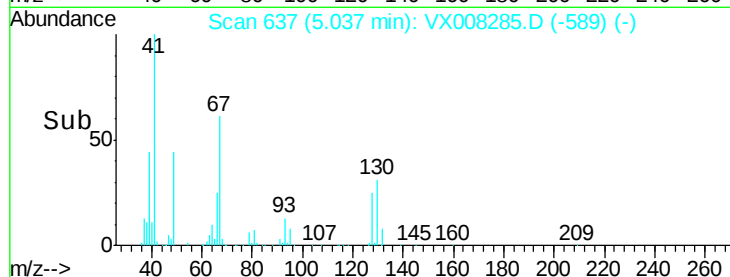
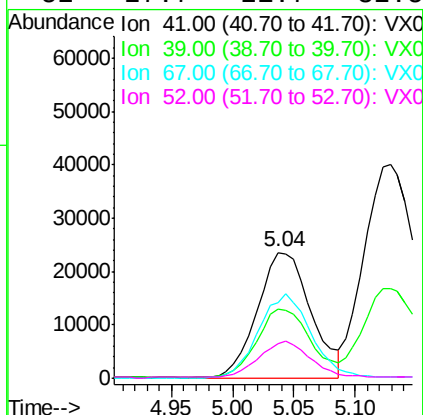
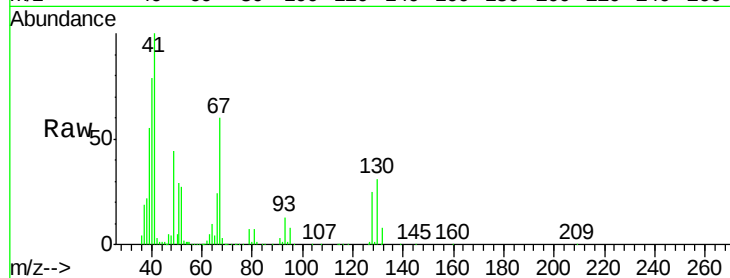
#41
Methacrylonitrile
Concen: 21.25 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.3	41.6	62.4	
67	67.1	55.8	83.6	
52	27.7	21.7	32.5	

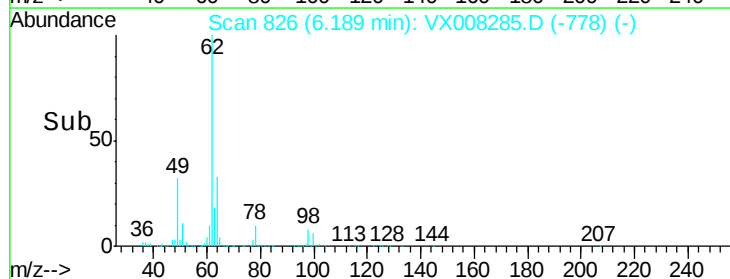
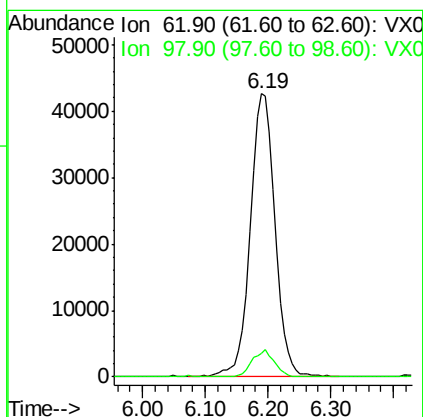
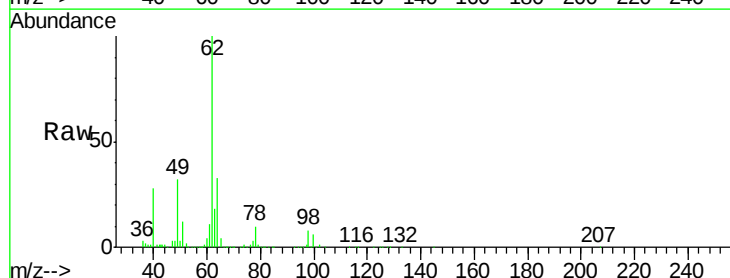
Manual Integrations
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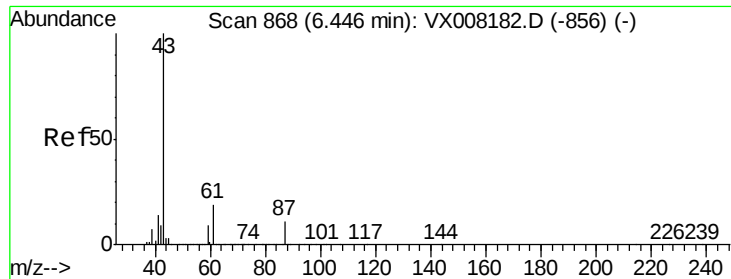
MMDadoda
3/22/2019 5:18:06 PM



#42
1,2-Dichloroethane
Concen: 21.21 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	20.4	





#43

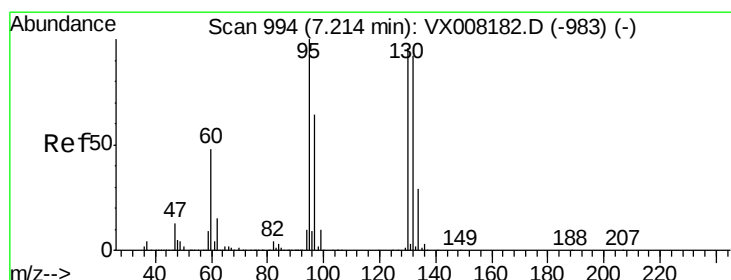
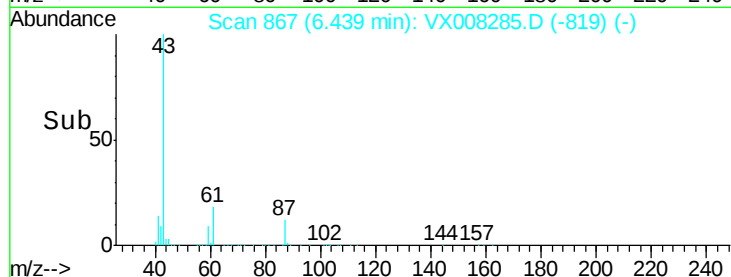
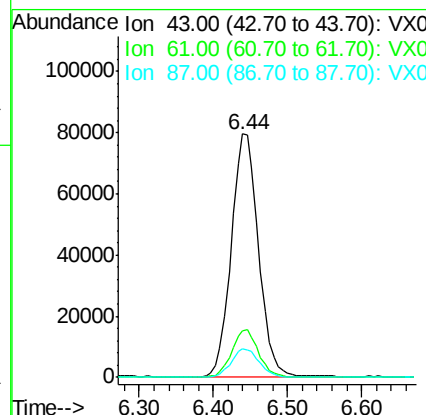
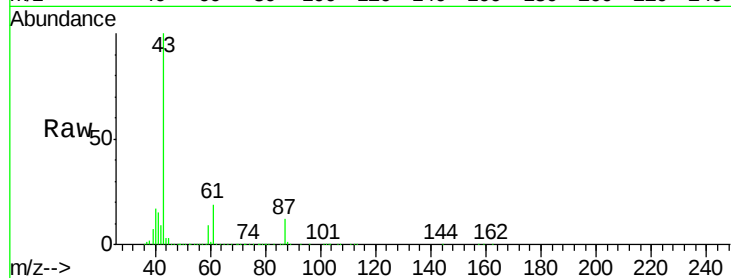
Isopropyl Acetate
 Concen: 21.09 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX008285.D
 Acq: 21 Mar 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0321WBS01

Tot Ion:	43	Resp:	202766
Ion	Ratio	Lower	Upper
43	100		
61	19.5	16.3	24.5
87	12.1	10.5	15.7

Manual Integrations
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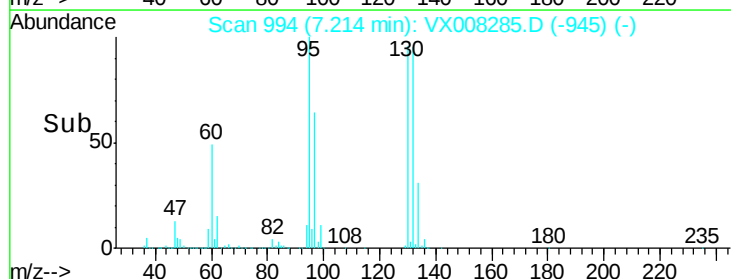
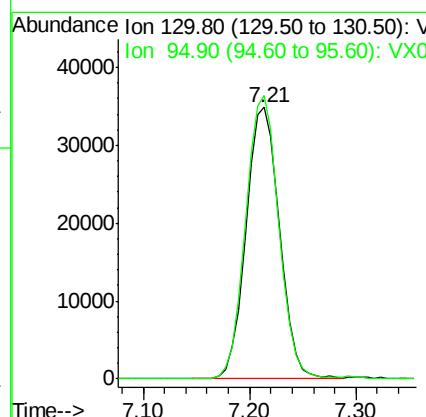
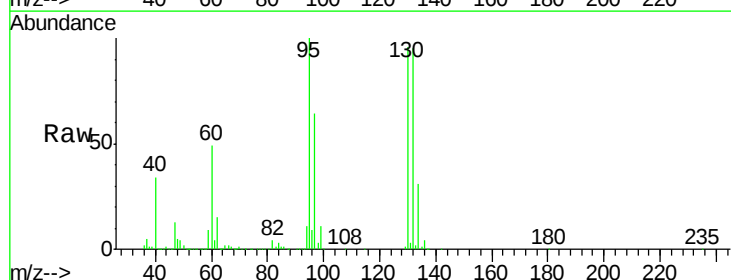
MMDadoda
 3/22/2019 5:18:06 PM

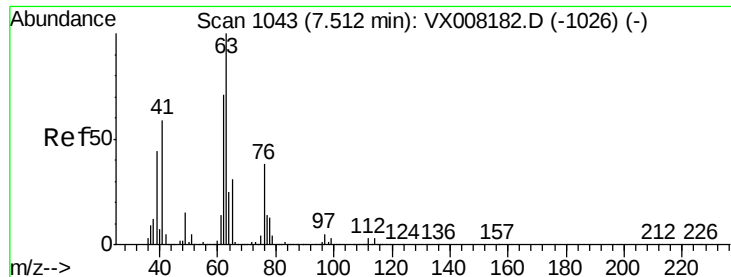


#44

Trichloroethene
 Concen: 21.02 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008285.D
 Acq: 21 Mar 2019 12:53

Tgt Ion:	130	Resp:	77186
Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	188.0





#45

1,2-Dichloropropane

Concen: 20.89 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBS01

Tot Ion: 63 Resp: 87851

Ion Ratio Lower Upper

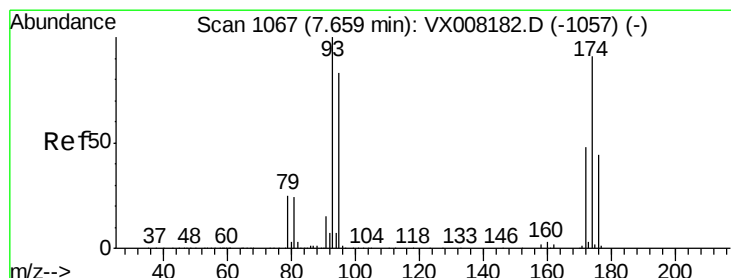
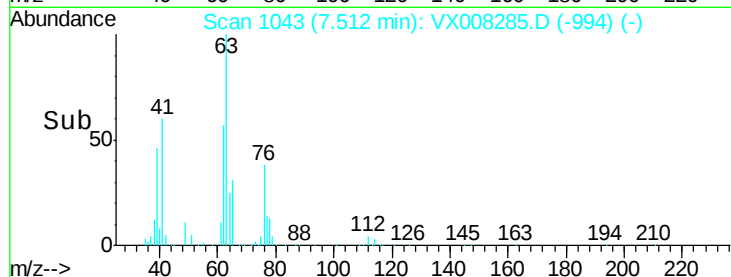
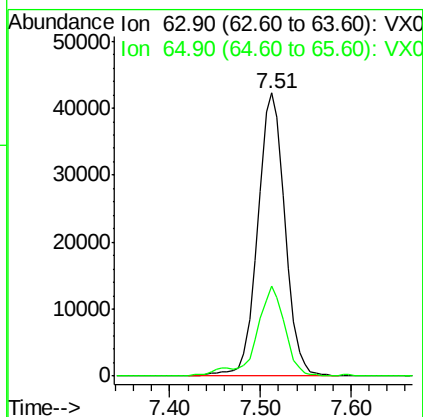
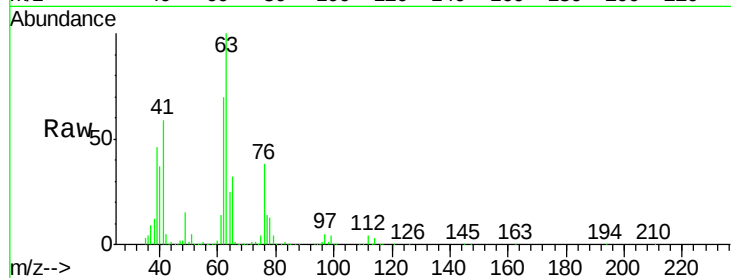
63 100

65 31.8 24.7 37.1

Manual Integrations
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#46

Dibromomethane

Concen: 21.02 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

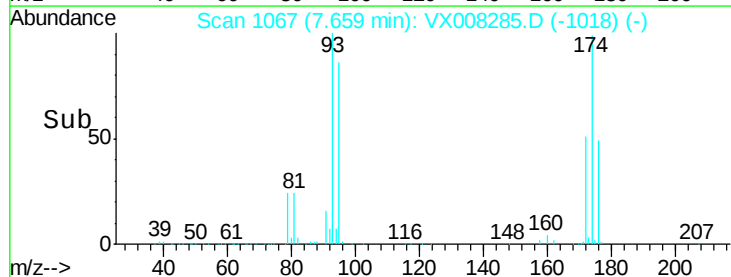
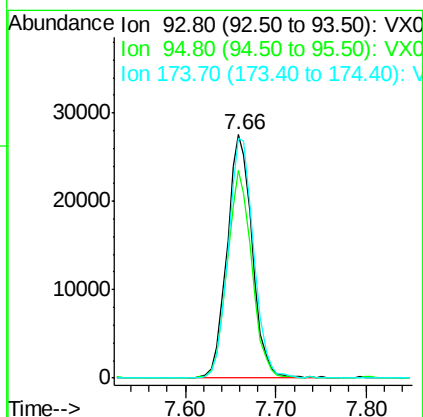
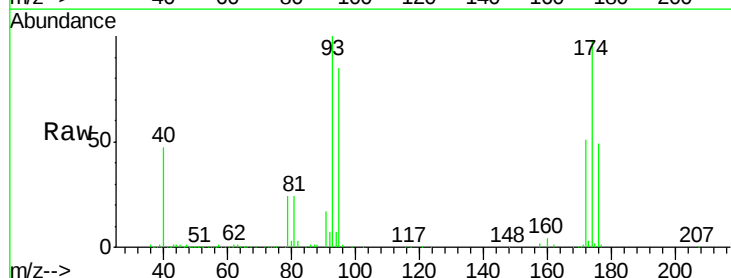
Tgt Ion: 93 Resp: 53525

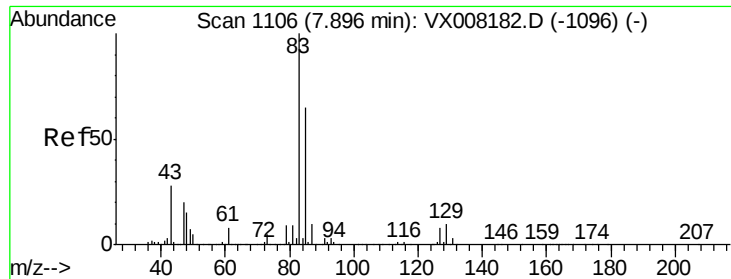
Ion Ratio Lower Upper

93 100

95 83.4 66.8 100.2

174 99.4 97.3 145.9





#47

Bromodichloromethane

Concen: 22.44 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

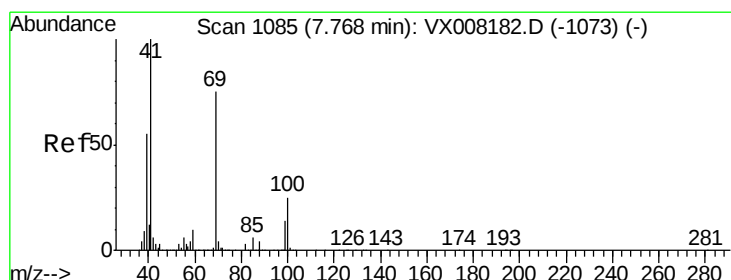
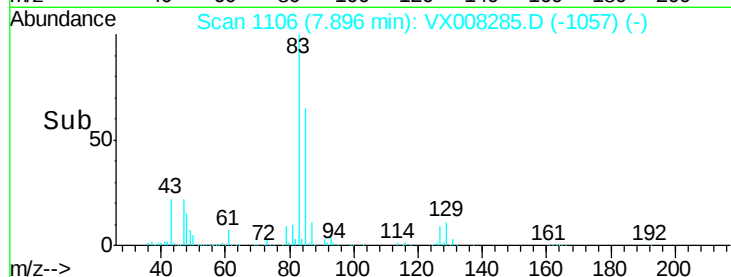
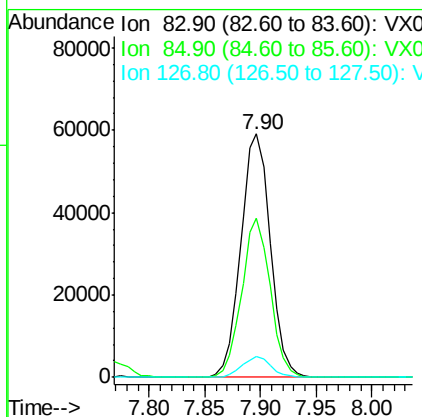
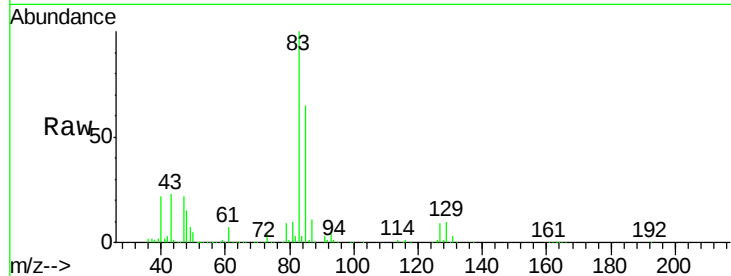
ClientSampleId :

VX0321WBS01

Tot Ion:	83	Resp:	108863
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.9	76.3
127	8.8	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.80 ug/l

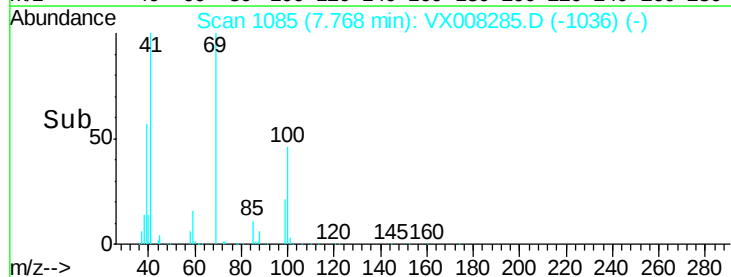
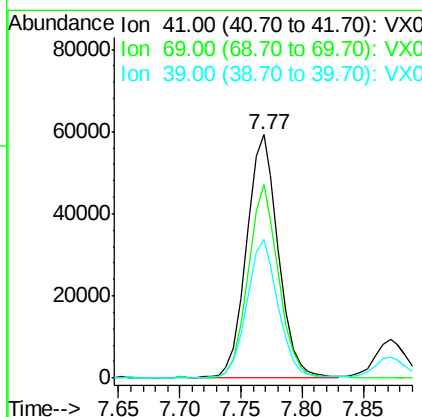
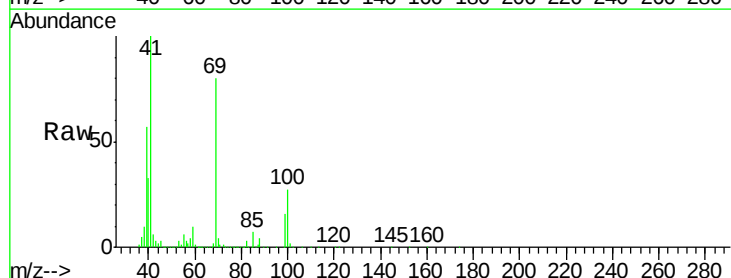
RT: 7.77 min Scan# 1085

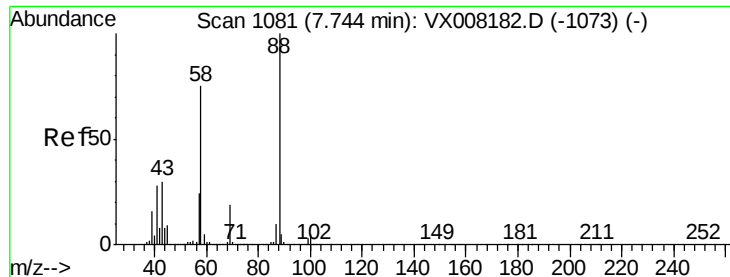
Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Tgt Ion:	41	Resp:	106321
Ion	Ratio	Lower	Upper
41	100		
69	76.6	65.2	97.8
39	55.9	39.4	59.2





#49

1,4-Dioxane

Concen: 422.02 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

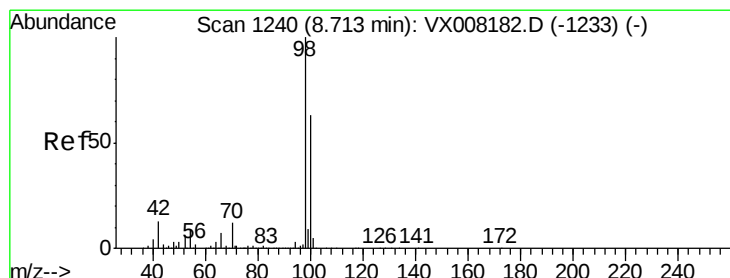
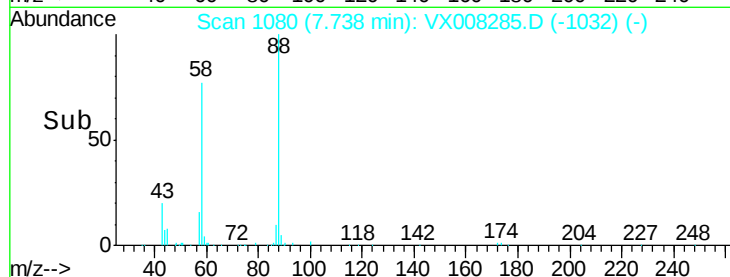
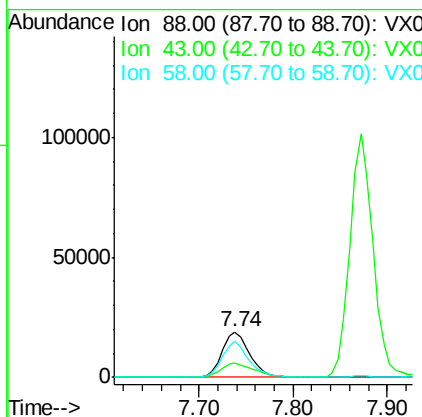
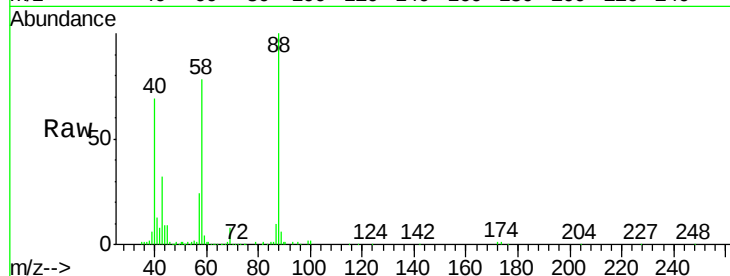
ClientSampled :

VX0321WBS01

Tot Ion:	88	Resp:	38075
Ion	Ratio	Lower	Upper
88	100		
43	36.5	25.1	37.7
58	78.8	57.8	86.6

Manual Integrations
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#50

Toluene-d8

Concen: 48.47 ug/l

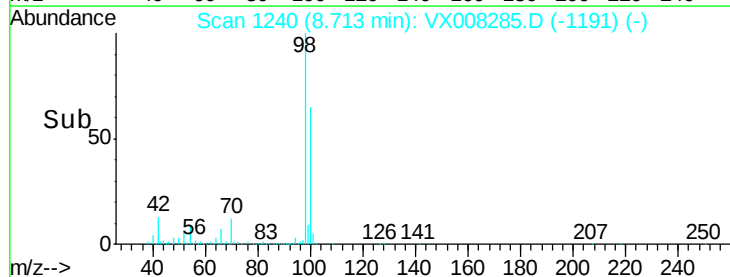
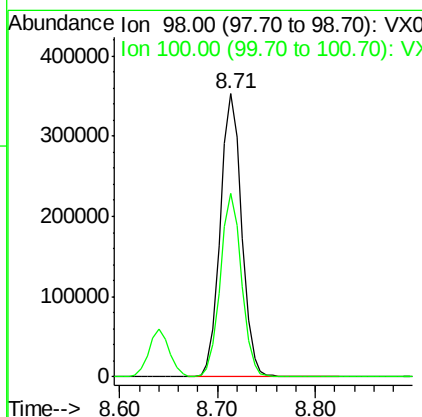
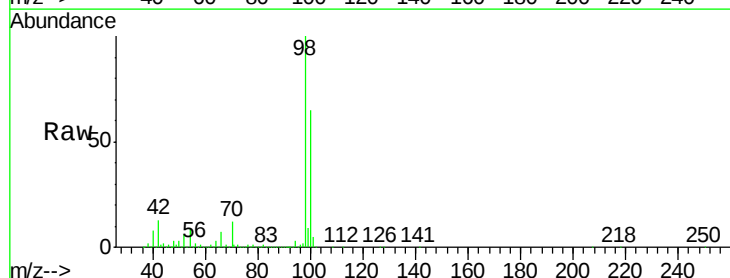
RT: 8.71 min Scan# 1240

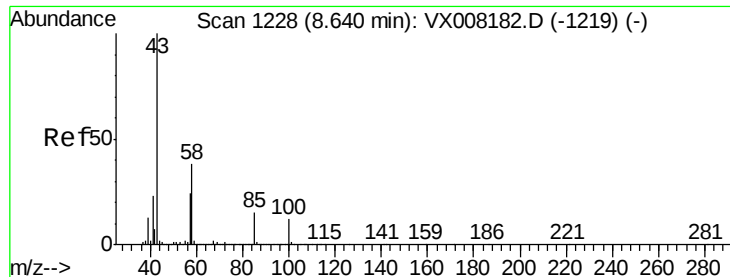
Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Tgt Ion:	98	Resp:	536203
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 107.08 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBS01

Tot Ion: 43 Resp: 665630

Ion Ratio Lower Upper

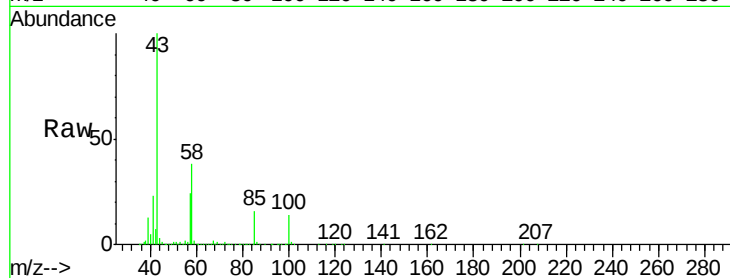
43 100

58 37.7 31.3 46.9

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

500000

400000

300000

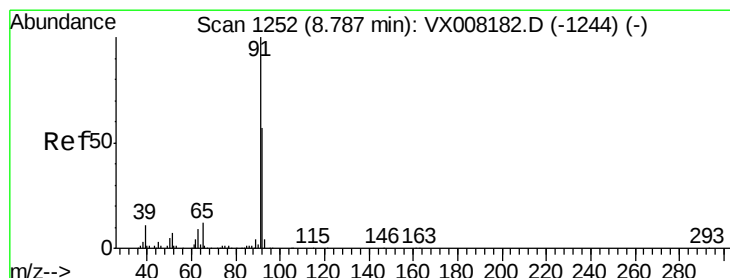
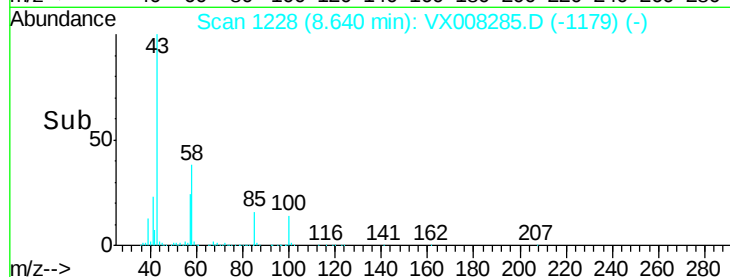
200000

100000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 21.43 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008285.D

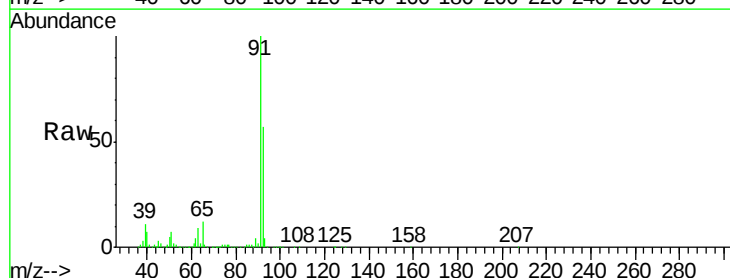
Acq: 21 Mar 2019 12:53

Tgt Ion: 92 Resp: 190961

Ion Ratio Lower Upper

92 100

91 173.5 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

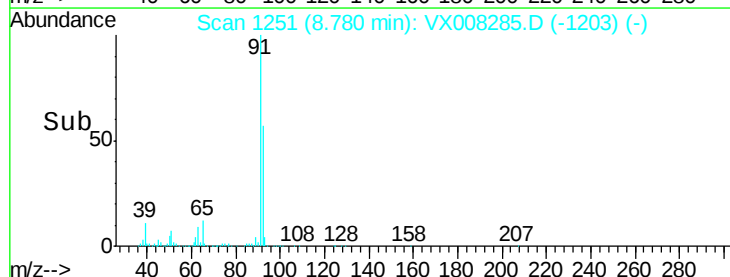
100000

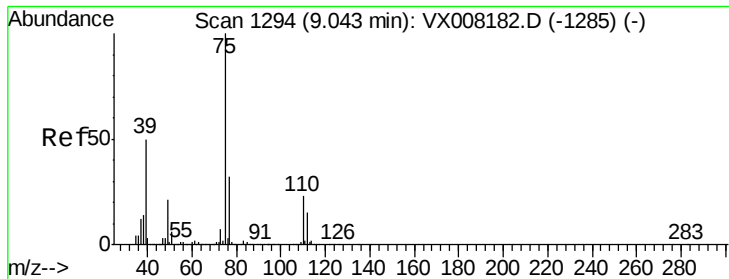
50000

0

8.70 8.80 8.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.00 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBS01

Tot Ion: 75 Resp: 116180

Ion Ratio Lower Upper

75 100

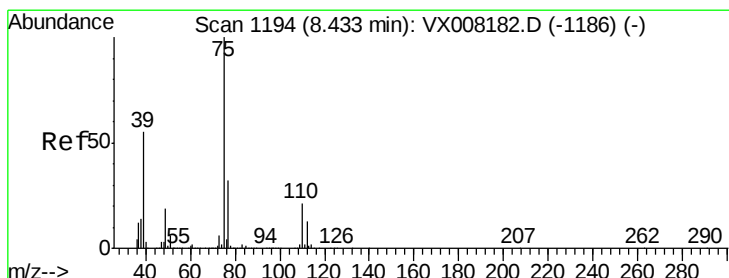
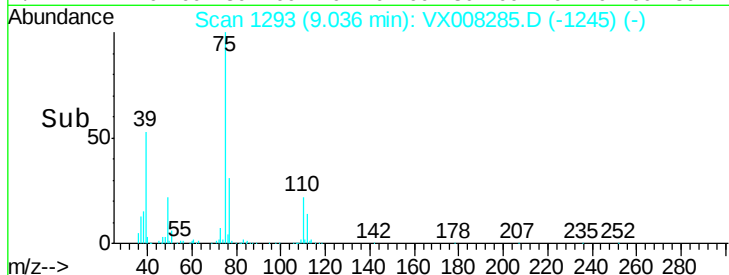
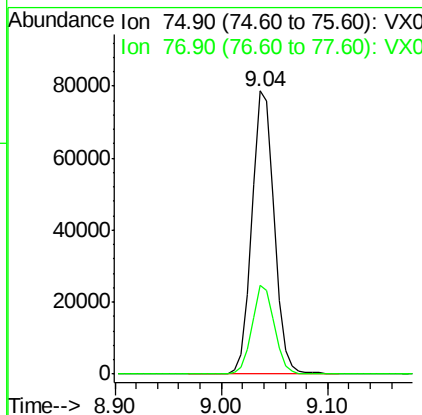
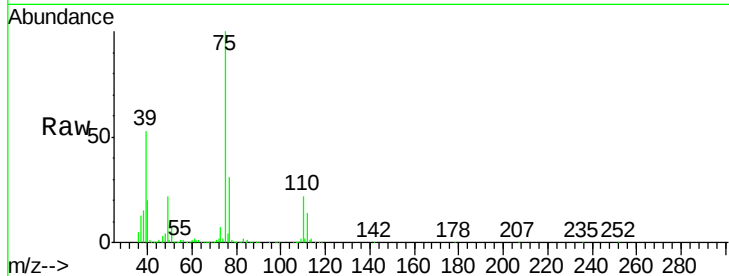
77 31.4 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.06 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

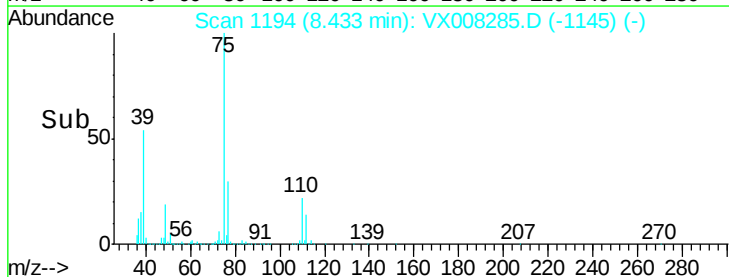
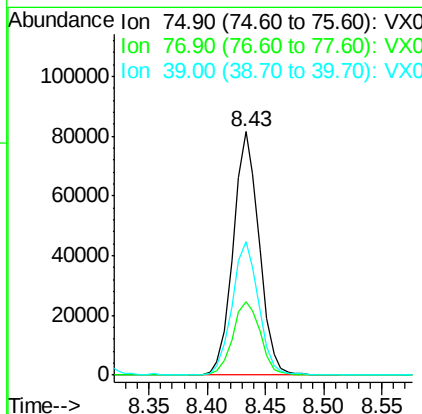
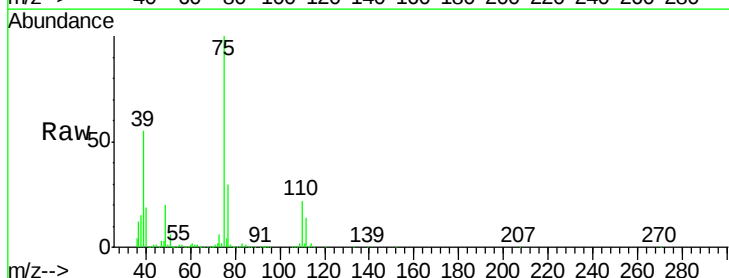
Tgt Ion: 75 Resp: 126838

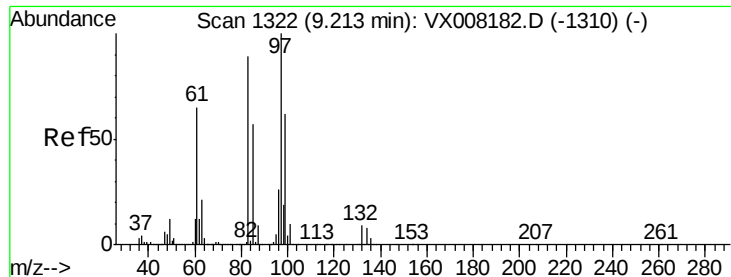
Ion Ratio Lower Upper

75 100

77 30.2 25.0 37.6

39 54.5 36.6 54.8





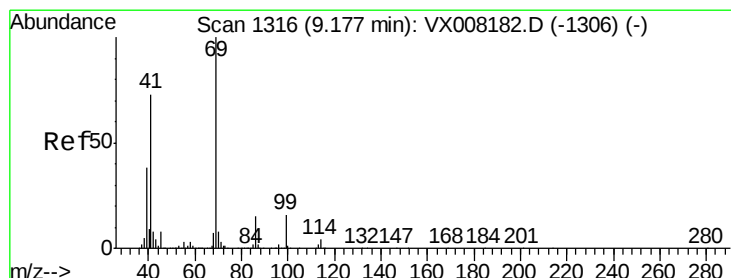
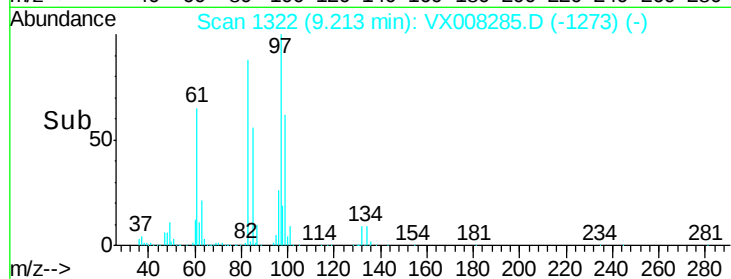
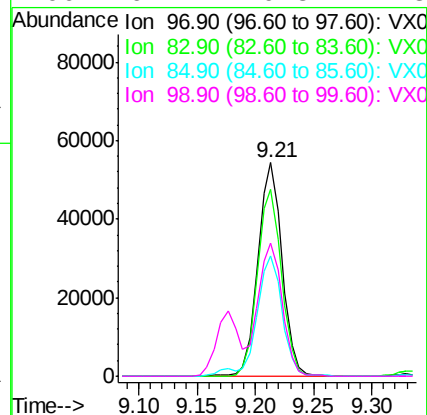
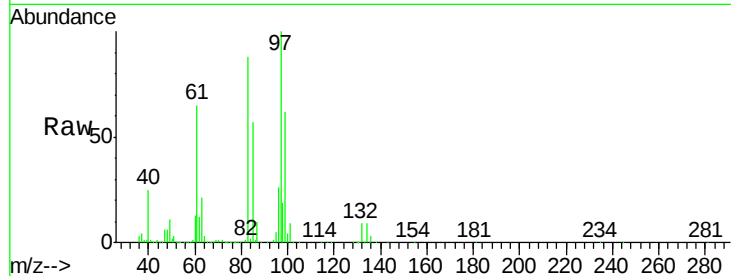
#55
 1,1,2-Trichloroethane
 Concen: 21.88 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008285.D
 Acq: 21 Mar 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		78786		
83	87.7	69.1	103.7		
85	56.4	44.3	66.5		
99	62.1	49.8	74.8		

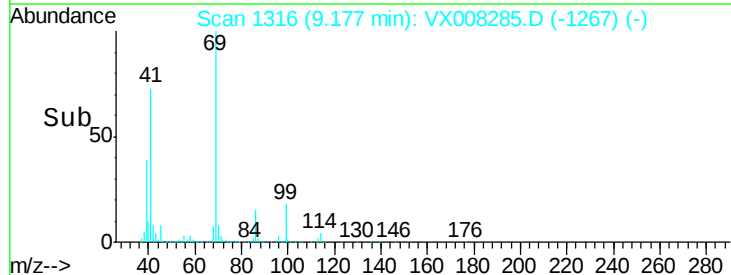
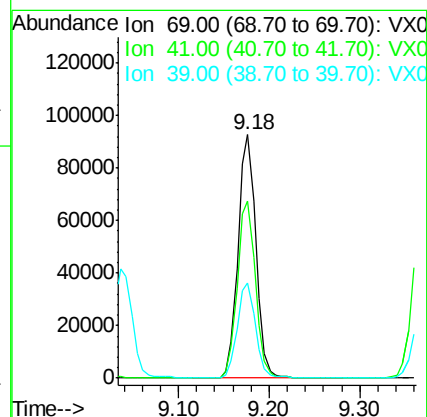
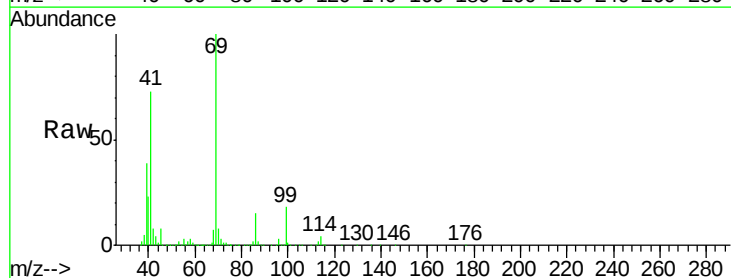
Manual Integrations
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 3/22/2019 5:18:06 PM



#56
 Ethyl methacrylate
 Concen: 20.45 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008285.D
 Acq: 21 Mar 2019 12:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		127154		
41	73.2	54.2	81.4		
39	39.6	25.0	37.4#		





#57

1,3-Dichloropropane

Concen: 21.47 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBS01

Tot Ion: 76 Resp: 136709

Ion Ratio Lower Upper

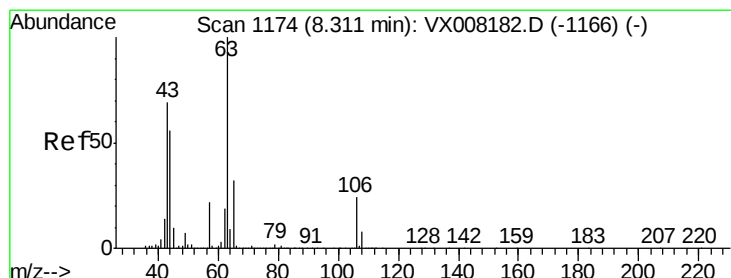
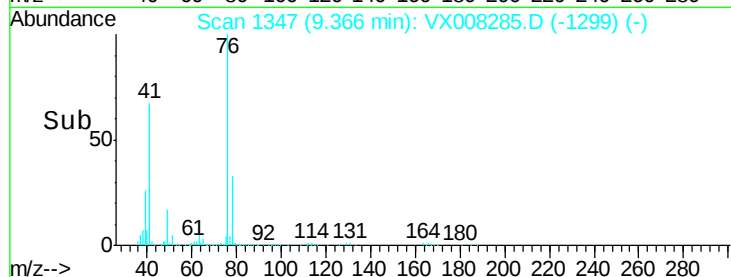
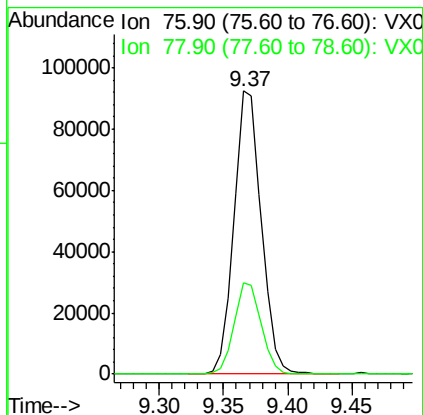
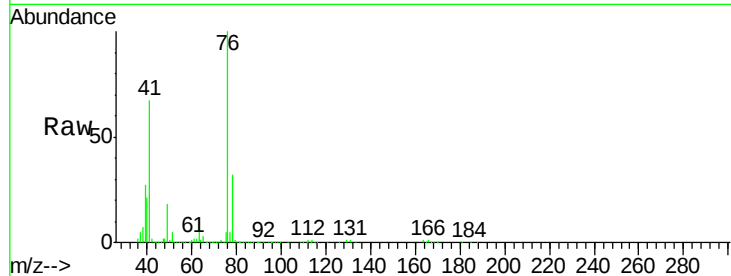
76 100

78 32.2 25.5 38.3

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 92.80 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008285.D

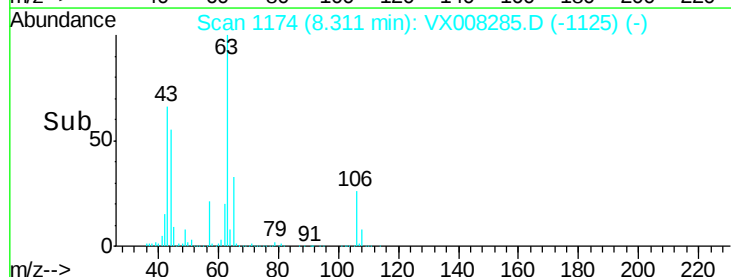
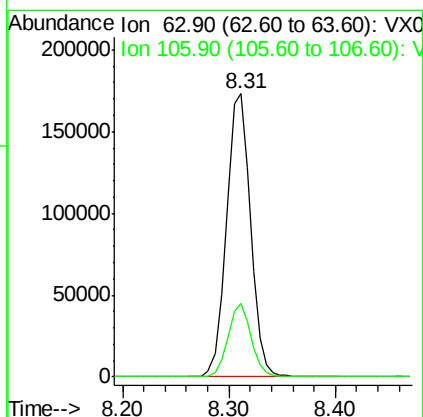
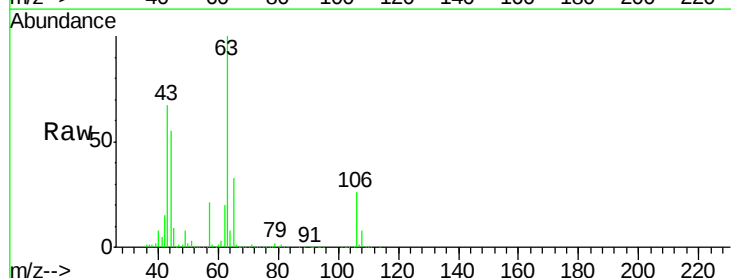
Acq: 21 Mar 2019 12:53

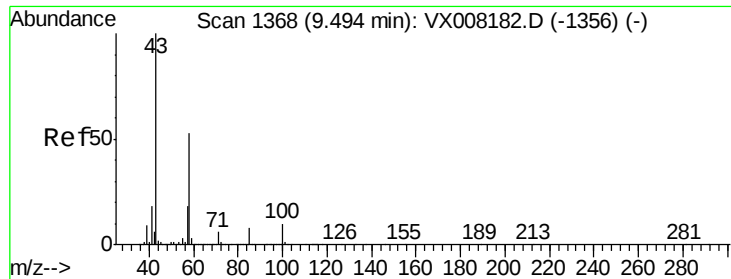
Tgt Ion: 63 Resp: 273749

Ion Ratio Lower Upper

63 100

106 25.2 22.2 33.2





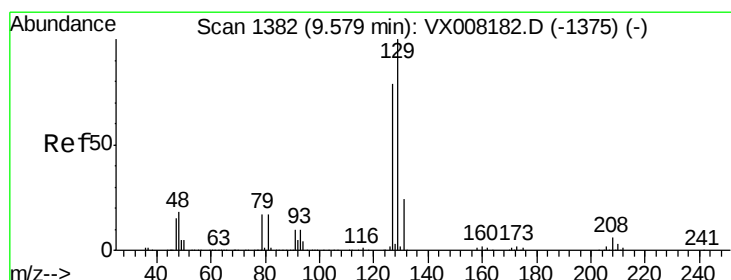
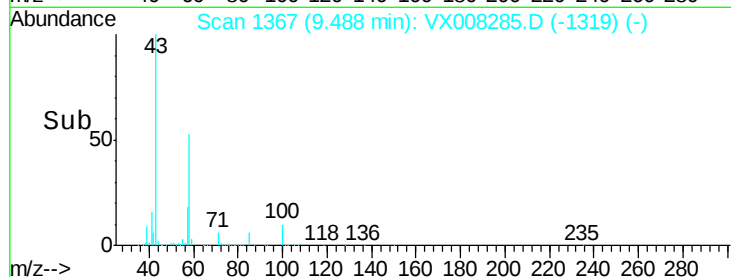
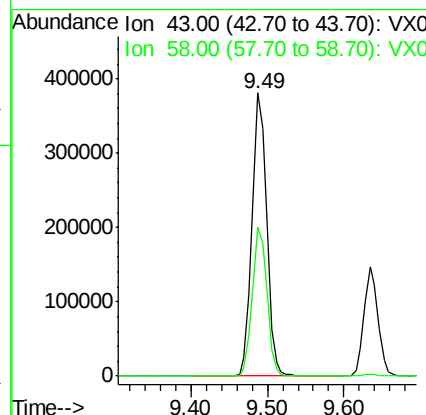
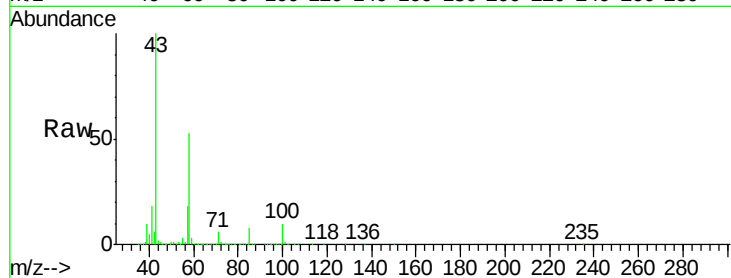
#59
2-Hexanone
Concen: 107.09 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tot Ion: 43 Resp: 512486
Ion Ratio Lower Upper
43 100
58 52.5 27.6 82.7

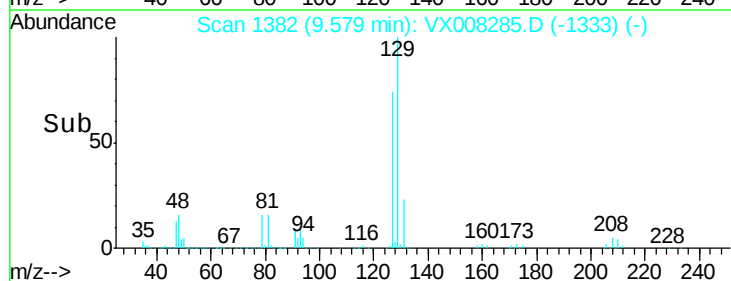
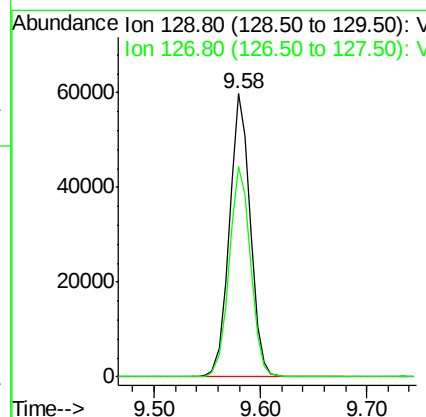
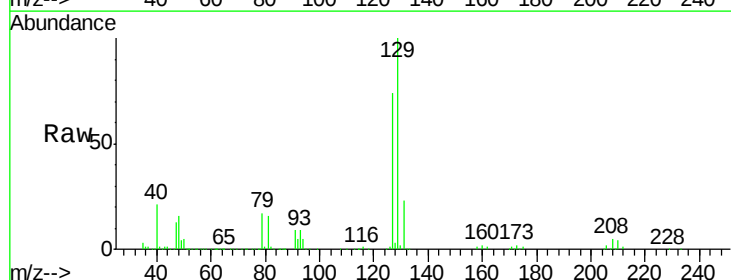
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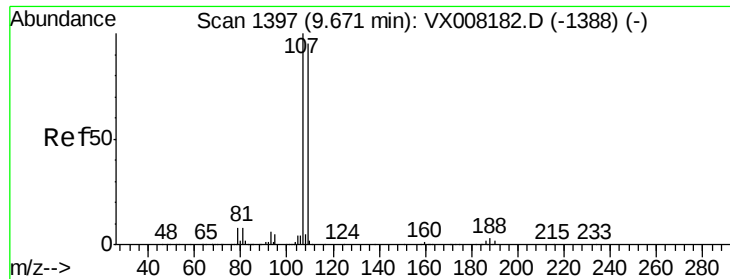
MMDadoda
3/22/2019 5:18:06 PM



#60
Dibromochloromethane
Concen: 23.74 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Tgt Ion:129 Resp: 82141
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.8





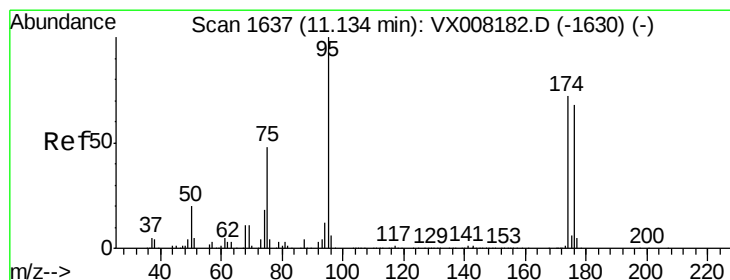
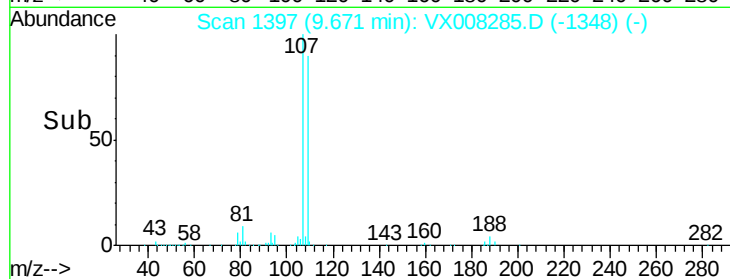
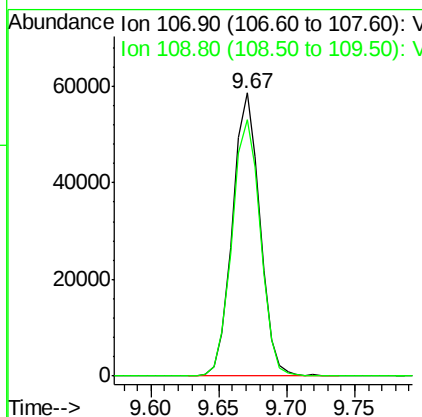
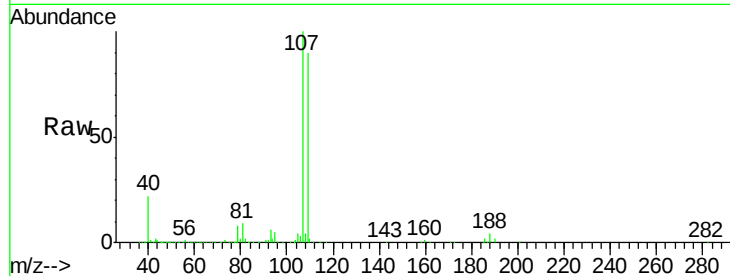
#61
 1,2-Dibromoethane
 Concen: 21.85 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX008285.D
 Acq: 21 Mar 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.8	113.8

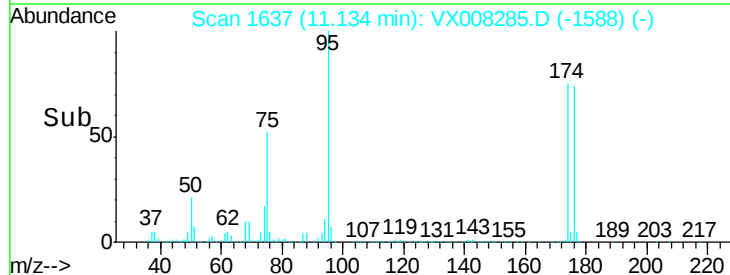
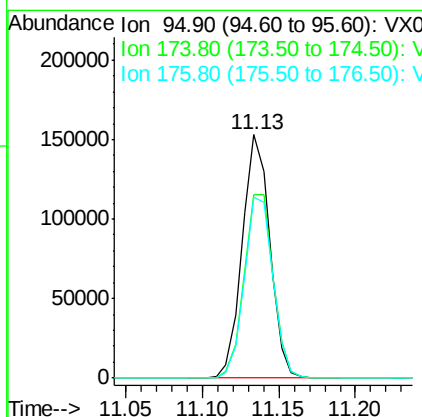
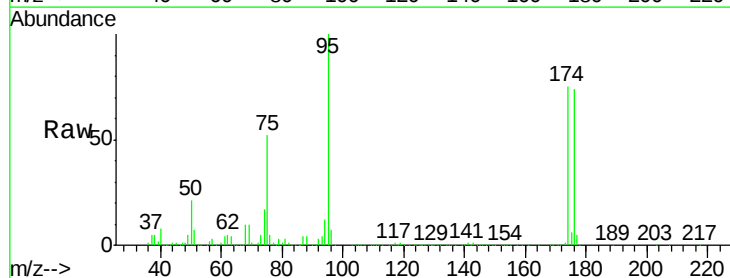
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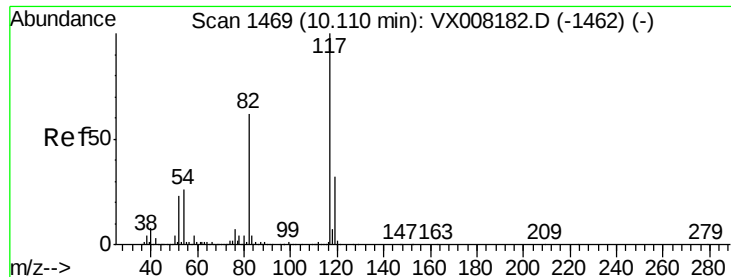
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 50.26 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX008285.D
 Acq: 21 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.8	0.0	182.8
176	77.3	0.0	178.0





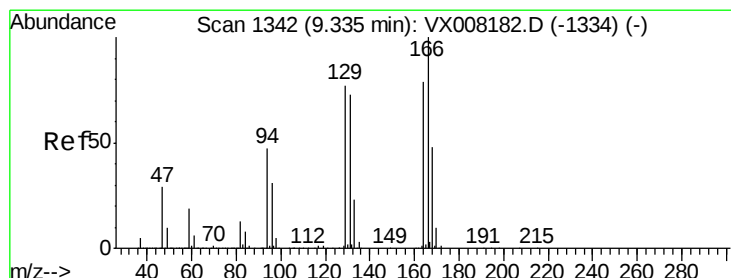
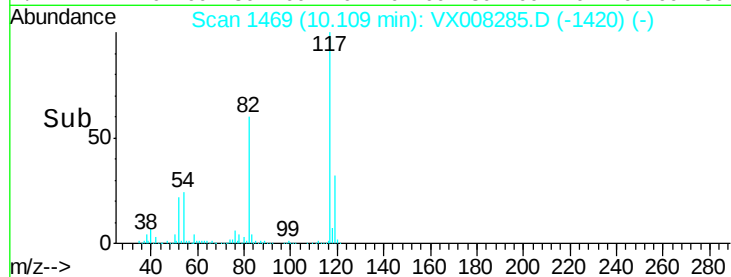
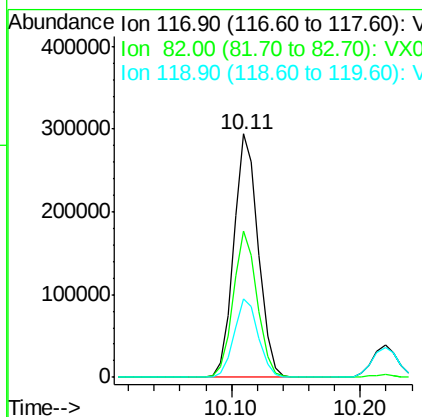
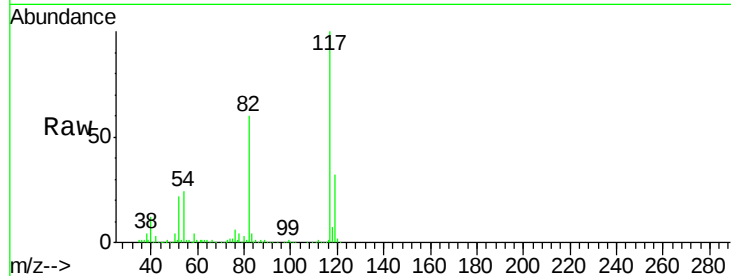
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	44.3	66.5
119	32.2	25.3	37.9

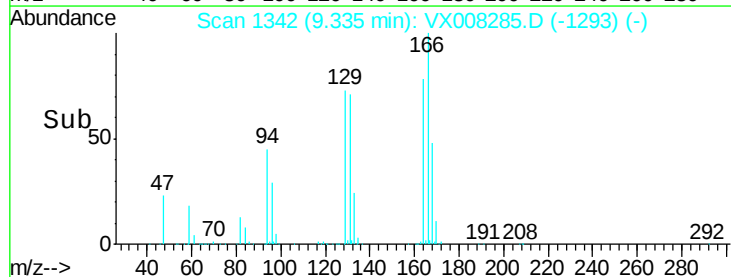
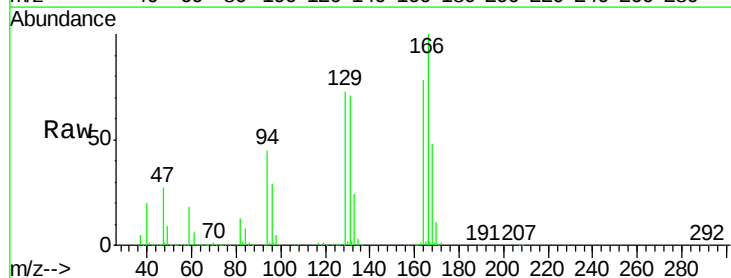
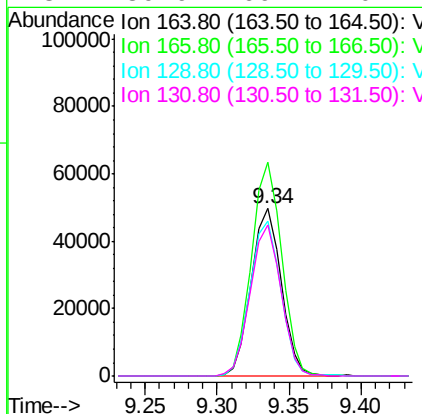
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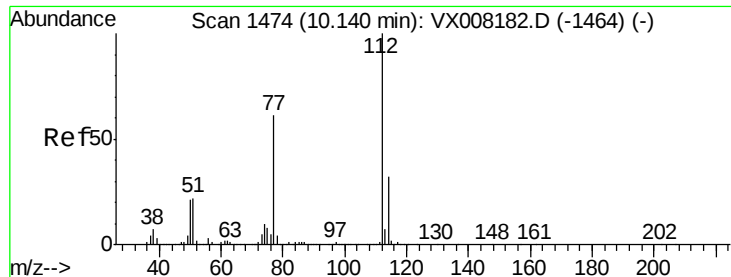
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#64
Tetrachloroethene
Concen: 20.58 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.4	155.0
129	92.8	72.2	108.4
131	89.9	69.4	104.2





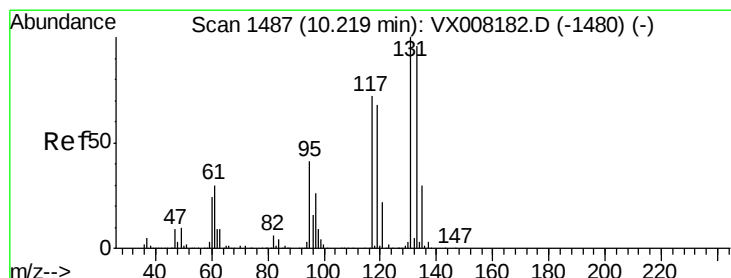
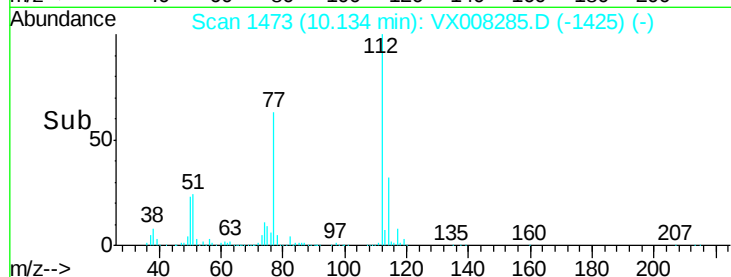
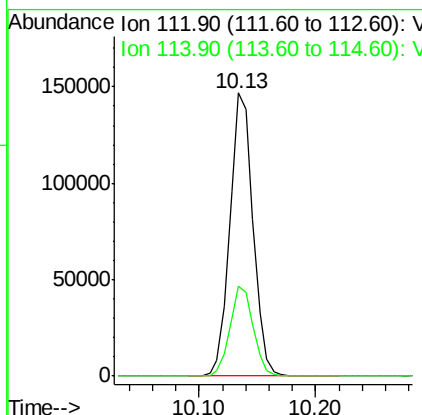
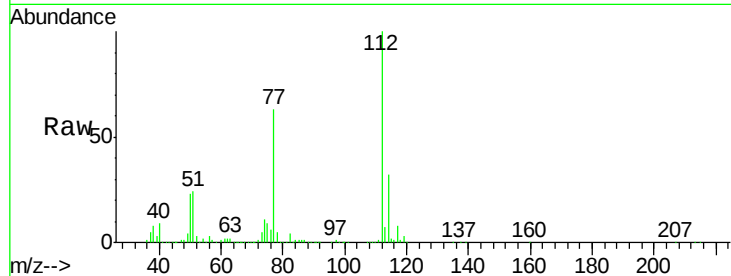
#65
Chlorobenzene
Concen: 21.26 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tot Ion:112 Resp: 202867
Ion Ratio Lower Upper
112 100
114 31.6 26.0 39.0

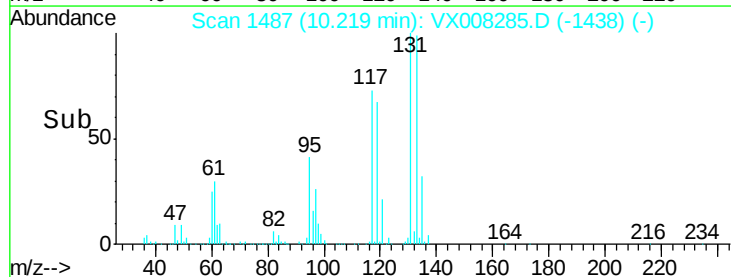
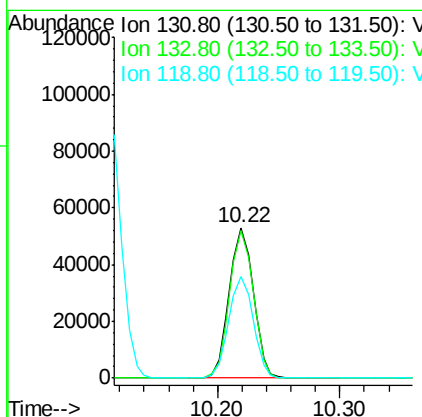
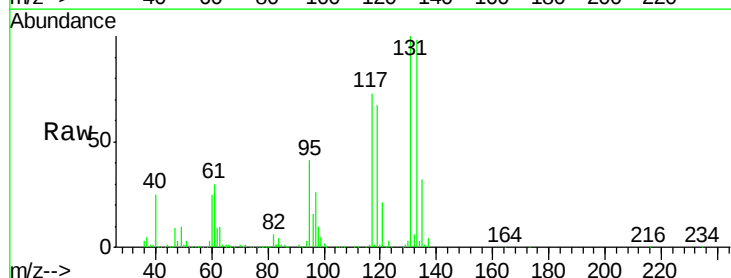
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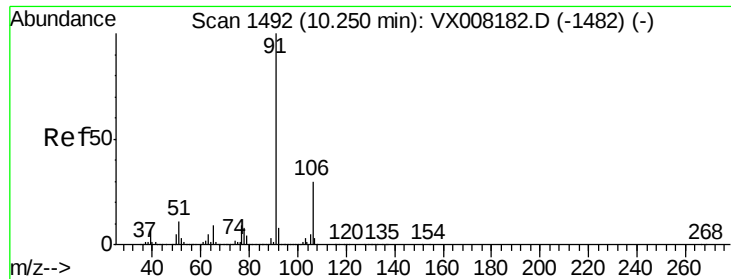
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.88 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Tgt Ion:131 Resp: 72809
Ion Ratio Lower Upper
131 100
133 96.6 47.8 143.3
119 68.2 32.5 97.5





#67

Ethyl Benzene

Concen: 21.72 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBS01

Tot Ion: 91 Resp: 365317

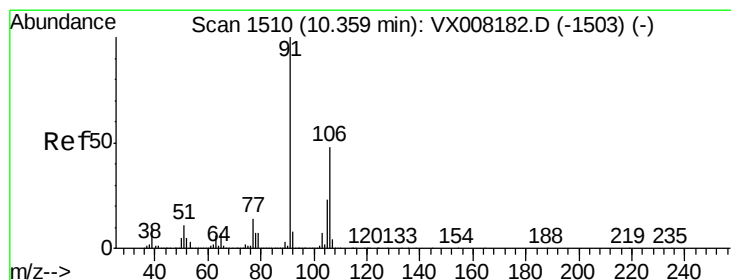
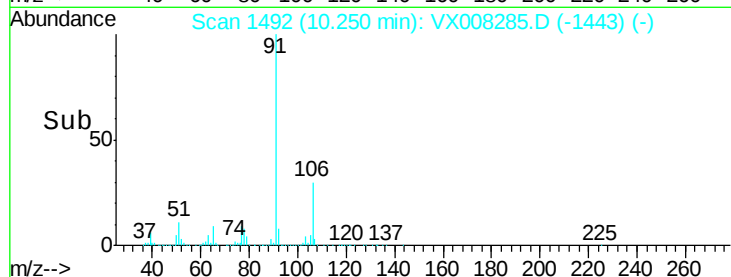
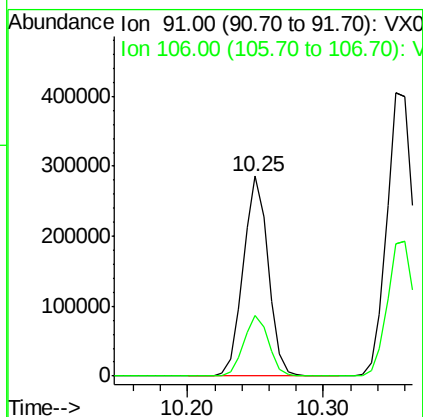
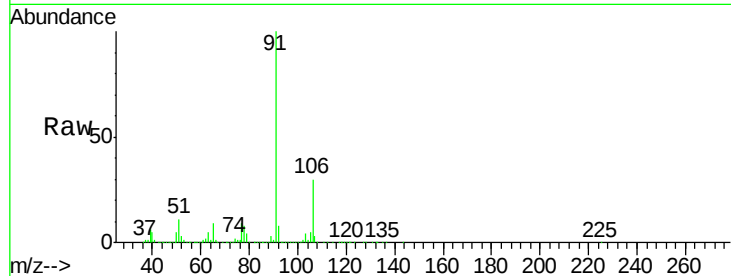
Ion Ratio Lower Upper

91 100

106 30.2 25.2 37.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 43.20 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008285.D

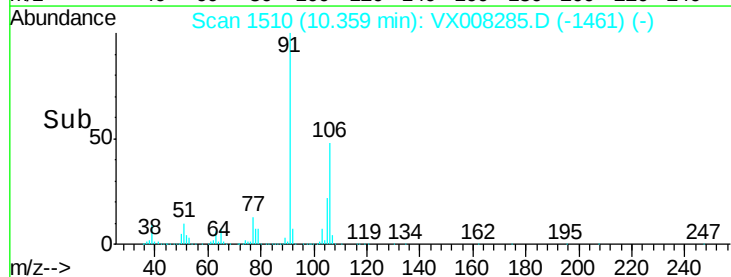
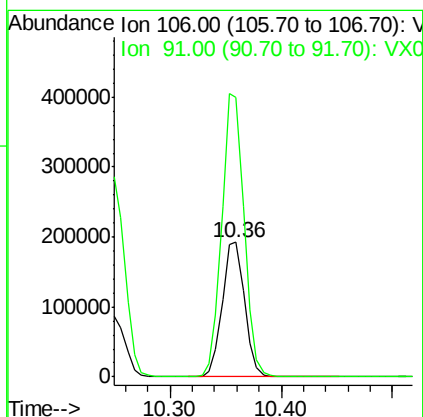
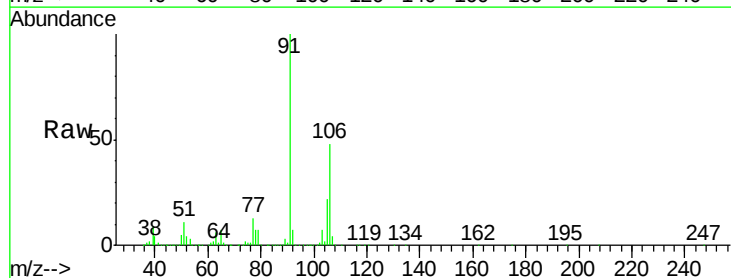
Acq: 21 Mar 2019 12:53

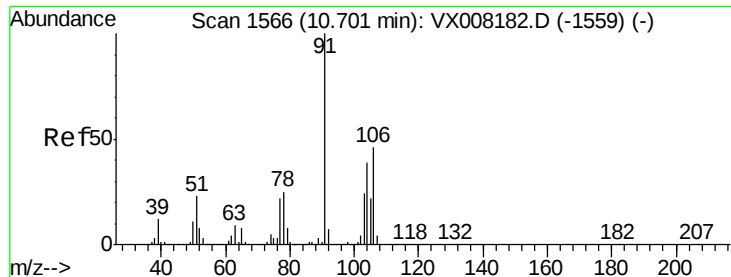
Tgt Ion: 106 Resp: 266840

Ion Ratio Lower Upper

106 100

91 210.5 159.8 239.6





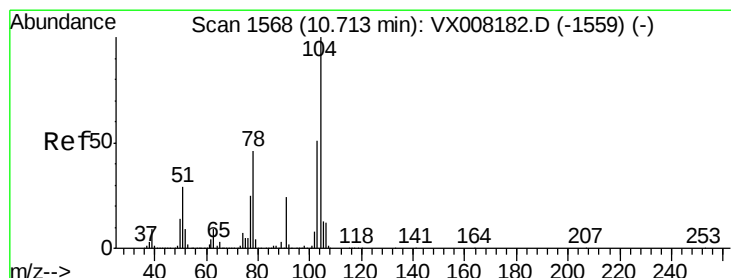
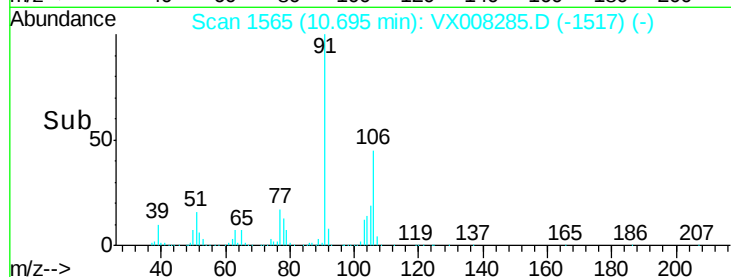
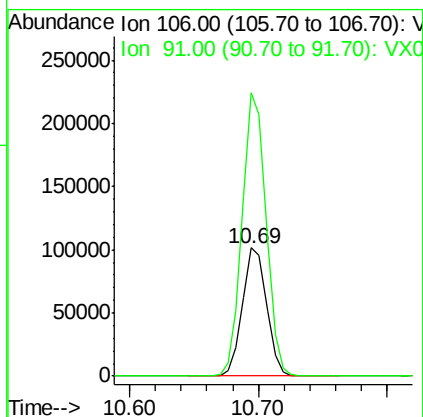
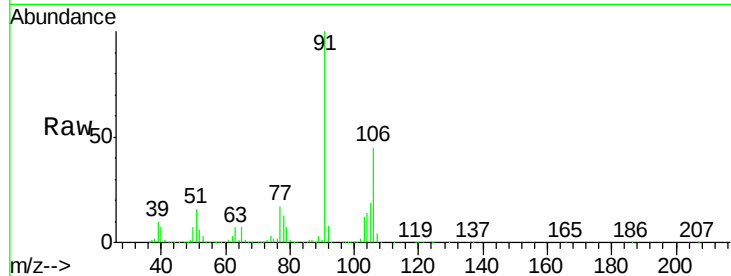
#69
o-Xylene
Concen: 21.91 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.2	106.3	318.9

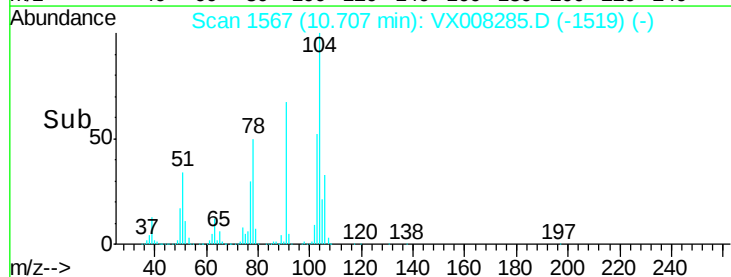
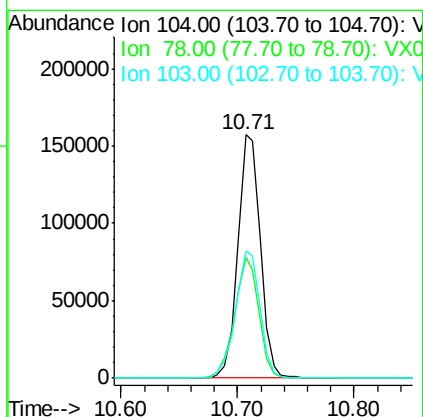
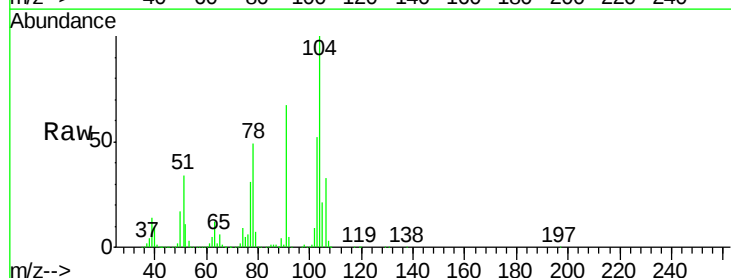
Manual Integrations
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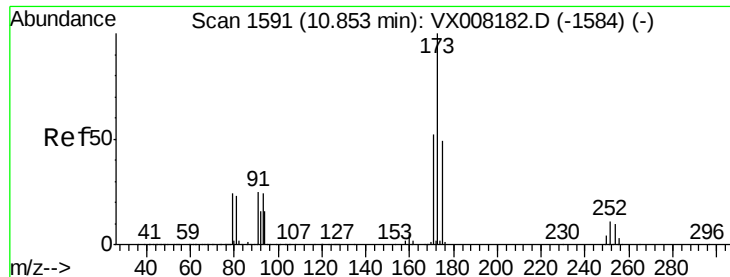
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#70
Styrene
Concen: 21.76 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.3	38.5	57.7
103	56.4	44.1	66.1





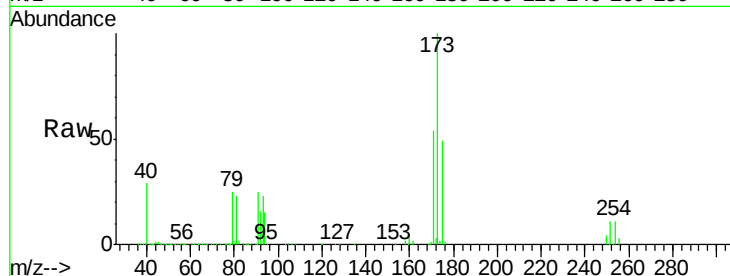
#71
Bromoform
Concen: 22.25 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

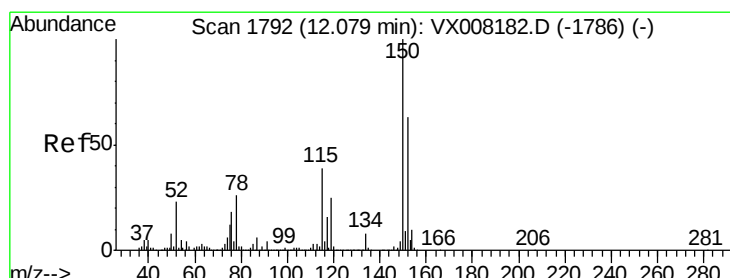
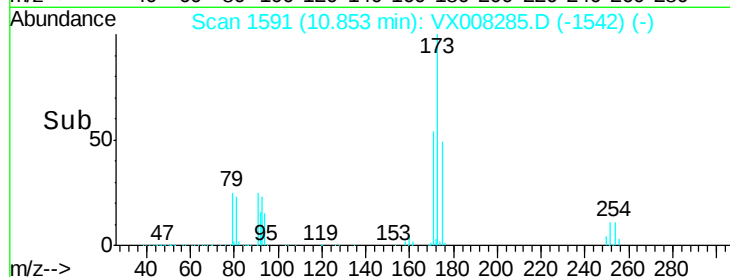
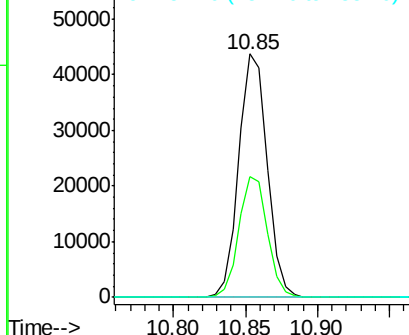
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	72.9
254	0.1	0.1	0.1

Manual Integrations
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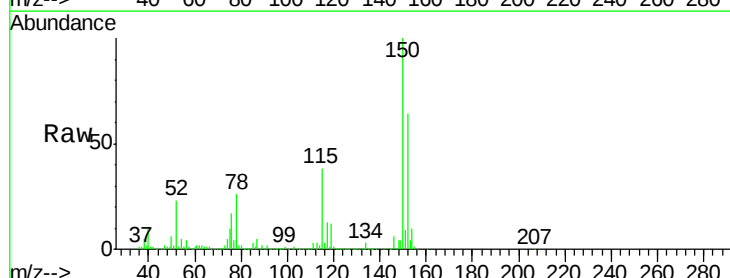


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

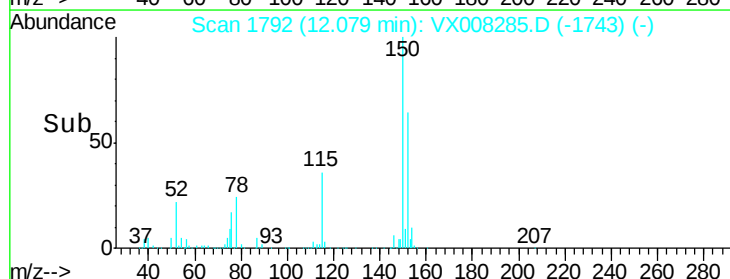
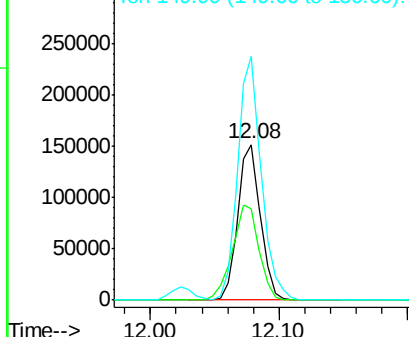


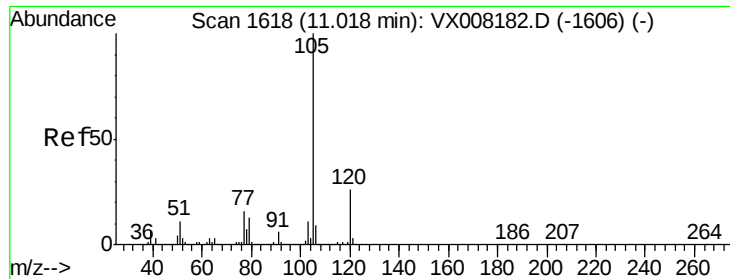
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	72.0	38.6	115.7
150	163.3	0.0	348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.49 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBS01

Tot Ion: 105 Resp: 354742

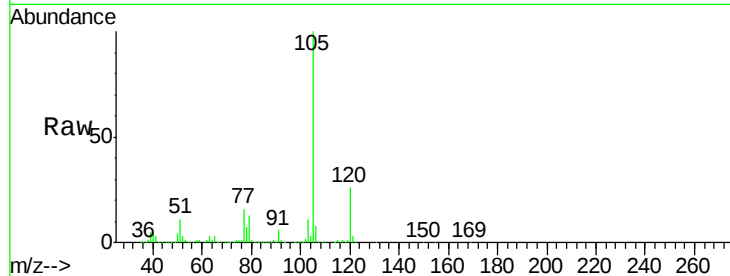
Ion Ratio Lower Upper

105 100

120 26.1 13.4 40.1

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

200000

100000

0

11.02

11.01

11.00

10.99

10.98

10.97

10.96

10.95

10.94

10.93

10.92

10.91

10.90

10.89

10.88

10.87

10.86

10.85

10.84

10.83

10.82

10.81

10.80

10.79

10.78

10.77

10.76

10.75

10.74

10.73

10.72

10.71

10.70

10.69

10.68

10.67

10.66

10.65

10.64

10.63

10.62

10.61

10.60

10.59

10.58

10.57

10.56

10.55

10.54

10.53

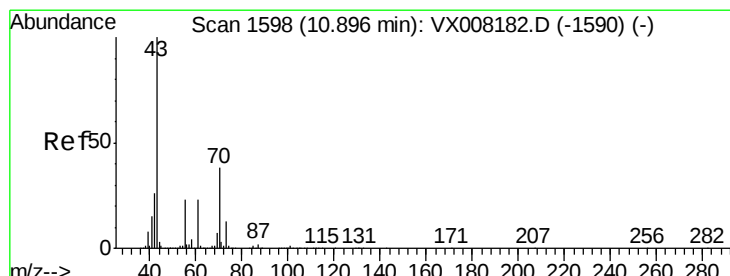
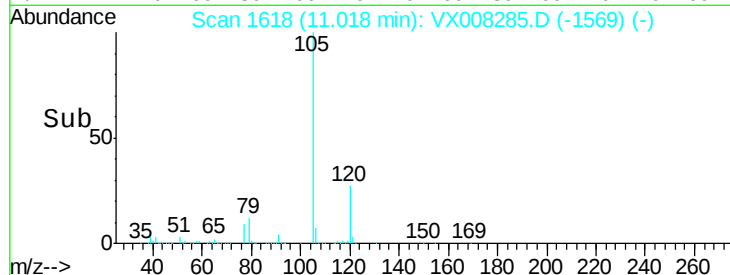
10.52

10.51

10.50

10.49

10.48



#74

N-ethyl acetate

Concen: 20.47 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Tgt Ion: 43 Resp: 177095

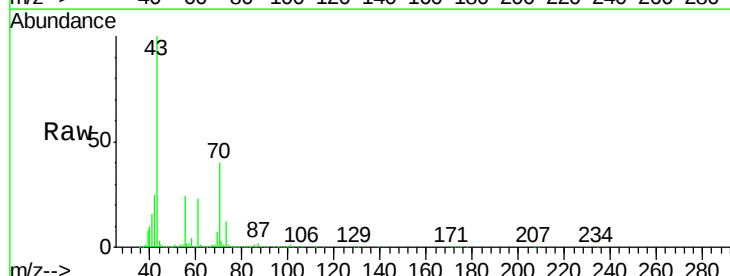
Ion Ratio Lower Upper

43 100

70 38.9 33.5 50.3

55 23.7 19.2 28.8

61 22.9 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

200000

150000

100000

50000

0

10.90

10.89

10.88

10.87

10.86

10.85

10.84

10.83

10.82

10.81

10.80

10.79

10.78

10.77

10.76

10.75

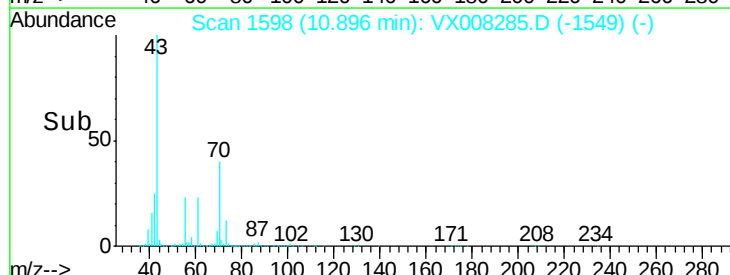
10.74

10.73

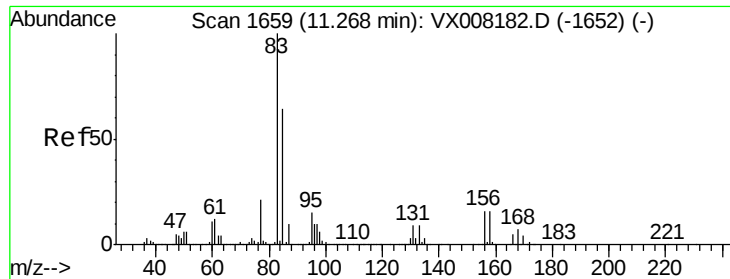
10.72

10.71

10.70



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 21.31 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

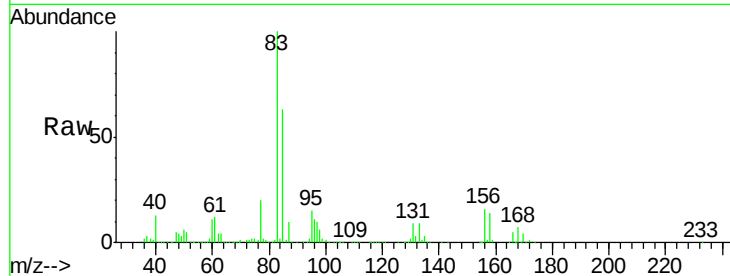
ClientSampled :

VX0321WBS01

Tot Ion	83	Resp	126133
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.4	16.2
85	63.6	32.3	96.8

Manual Integrations
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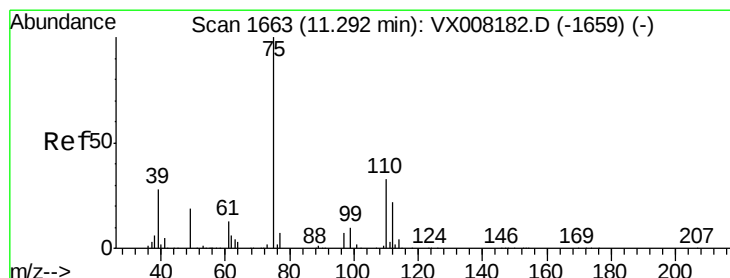
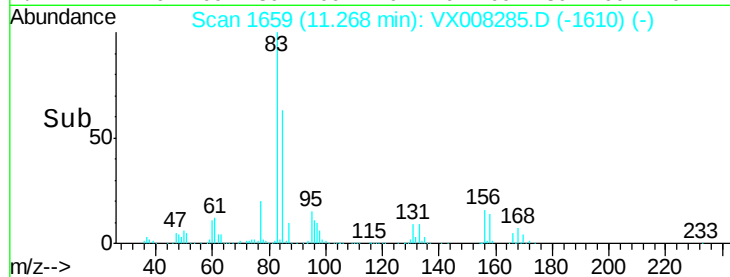
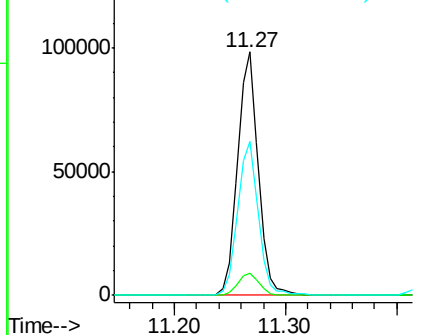
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.73 ug/l m

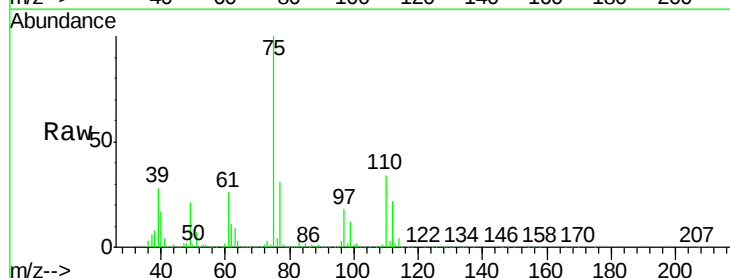
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX008285.D

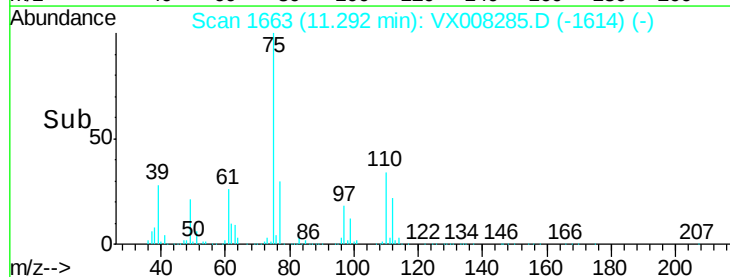
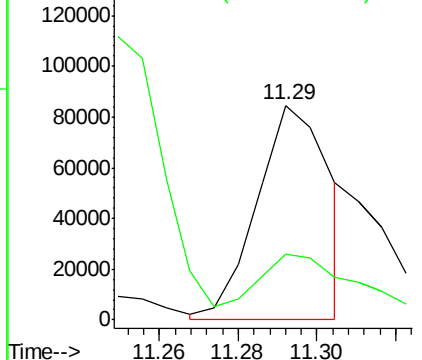
Acq: 21 Mar 2019 12:53

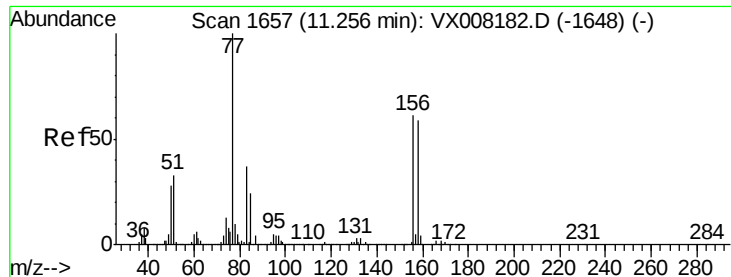
Tgt Ion	75	Resp	107982
Ion Ratio	Lower	Upper	
75	100		
77	42.9	18.9	56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.01 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBS01

Tot Ion:156 Resp: 83870

Ion Ratio Lower Upper

156 100

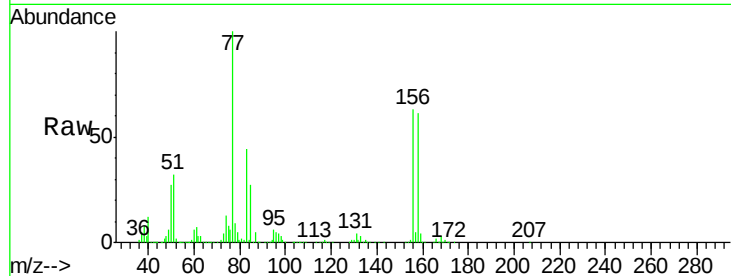
77 170.6 72.0 215.9

158 96.4 48.6 145.9

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

150000

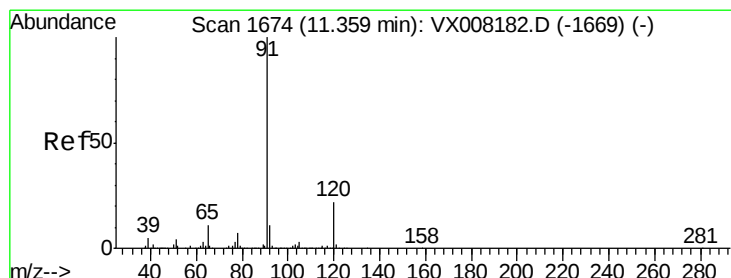
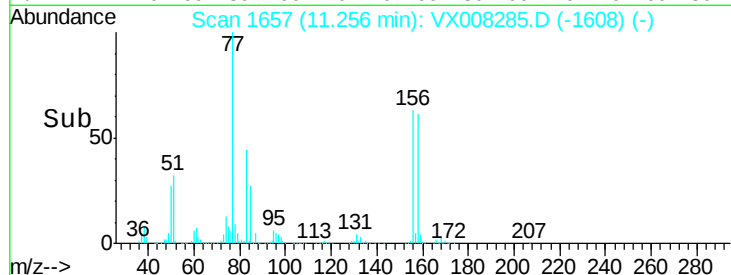
100000

50000

0

11.20 11.25 11.30 11.35

Time-->



#78

n-propylbenzene

Concen: 21.50 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008285.D

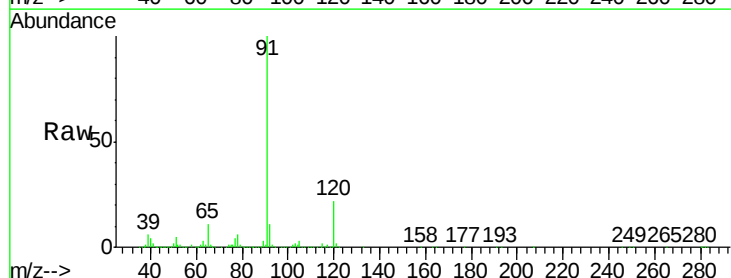
Acq: 21 Mar 2019 12:53

Tgt Ion: 91 Resp: 412324

Ion Ratio Lower Upper

91 100

120 22.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

400000

300000

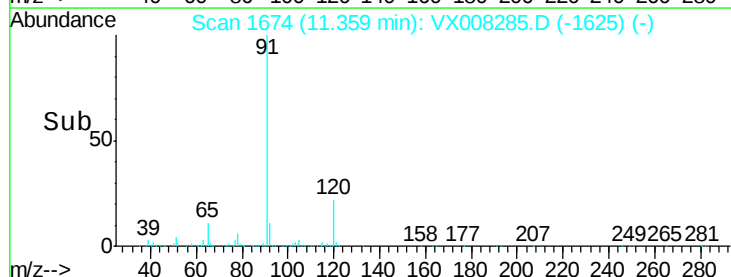
200000

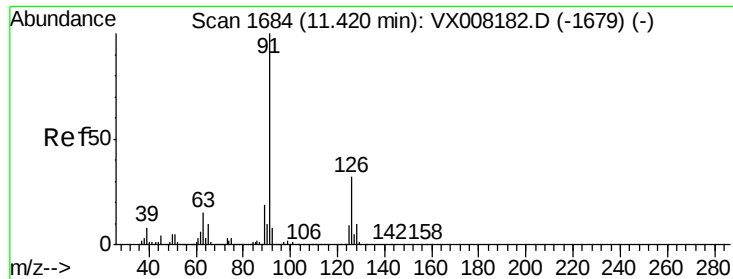
100000

0

11.30 11.35 11.40

Time-->





#79

2-Chlorotoluene

Concen: 21.35 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBS01

Tot Ion: 91 Resp: 245733

Ion Ratio Lower Upper

91 100

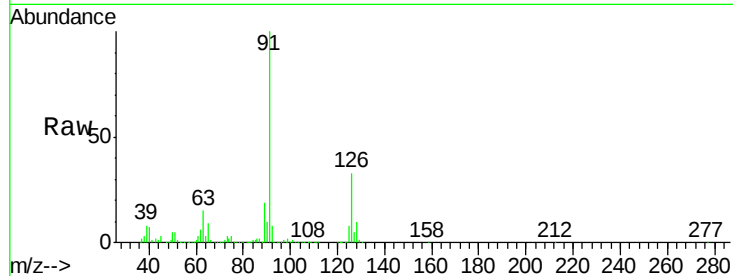
126 32.5 17.5 52.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX008285.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008285.D (-1679) (-)

400000

300000

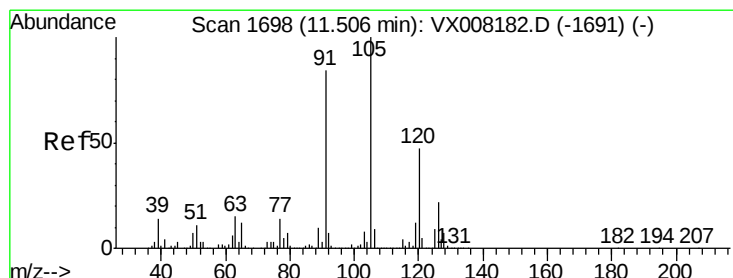
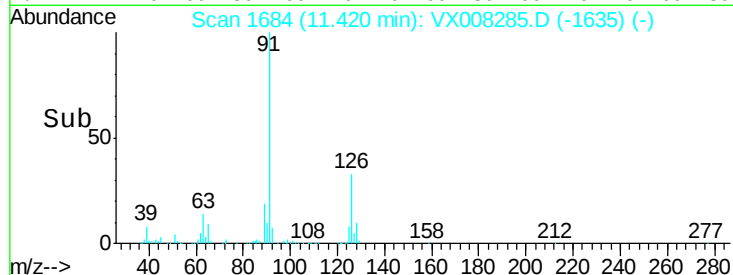
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.55 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008285.D

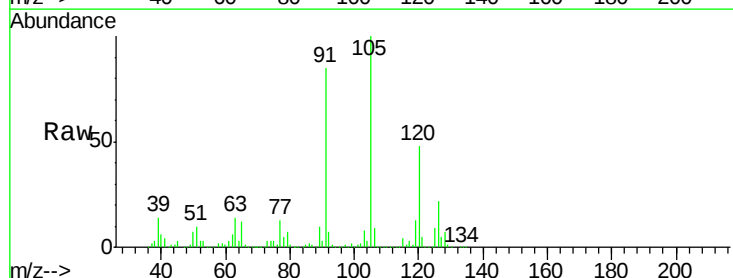
Acq: 21 Mar 2019 12:53

Tgt Ion: 105 Resp: 293914

Ion Ratio Lower Upper

105 100

120 47.3 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX008285.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX008285.D (-1691) (-)

300000

250000

200000

150000

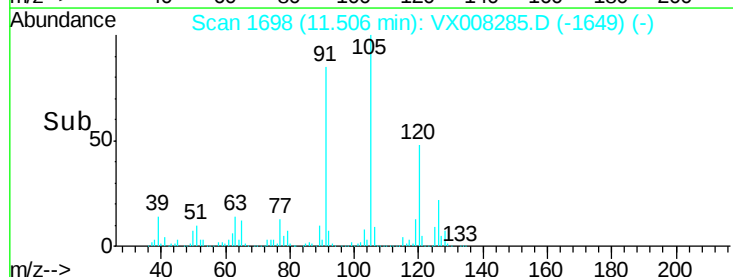
100000

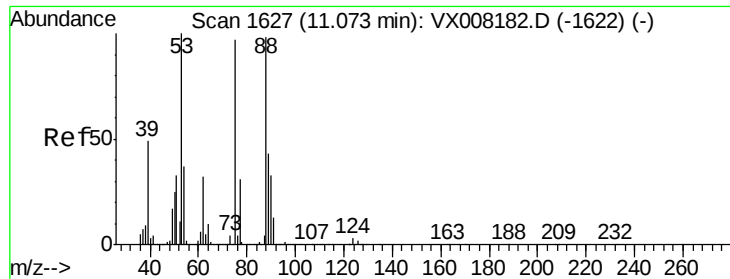
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.29 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBS01

Tot Ion: 75 Resp: 37565

Ion Ratio Lower Upper

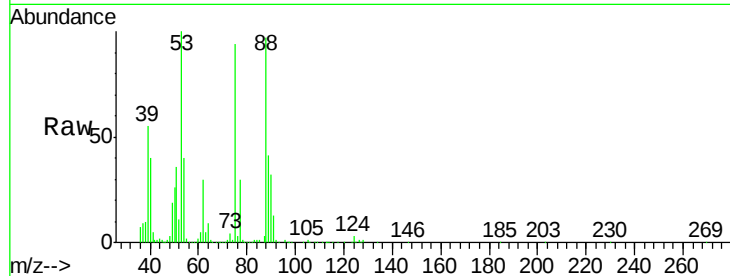
75 100

53 108.8 76.1 114.1

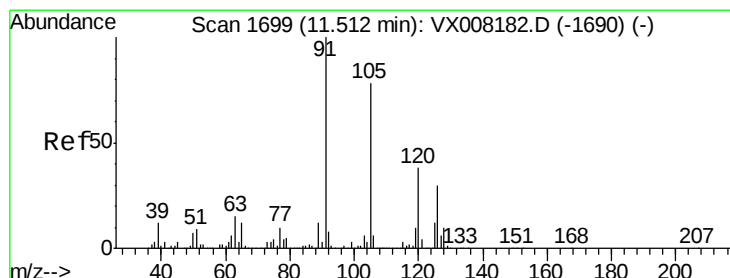
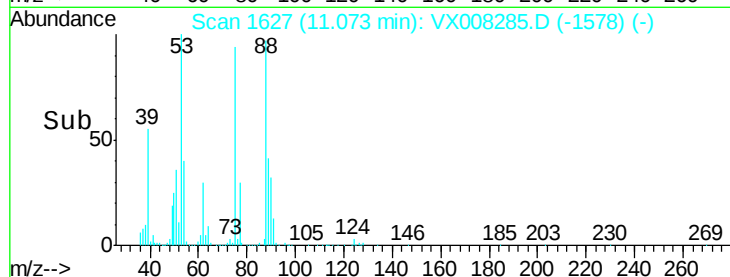
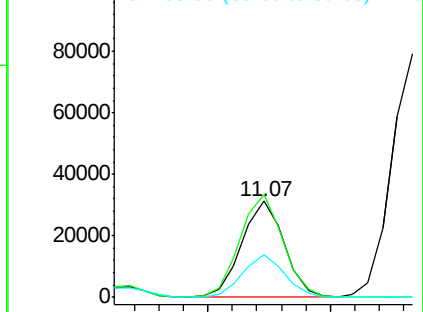
89 44.8 36.3 54.5

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.10 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008285.D

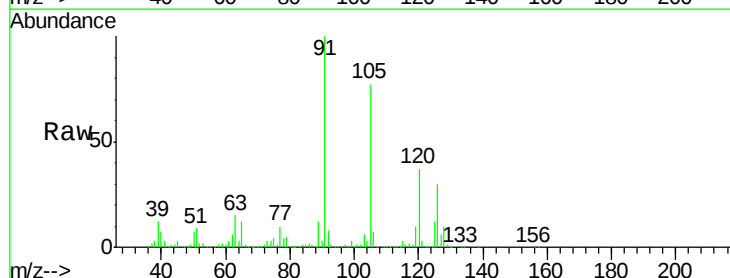
Acq: 21 Mar 2019 12:53

Tgt Ion: 91 Resp: 282525

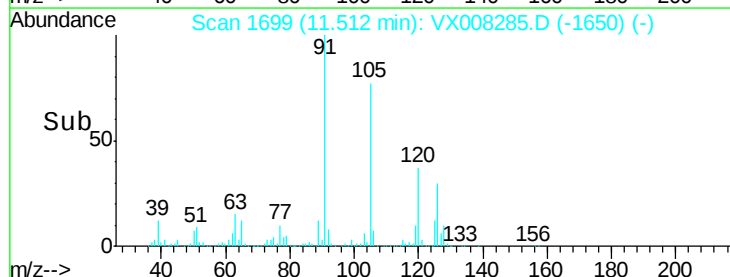
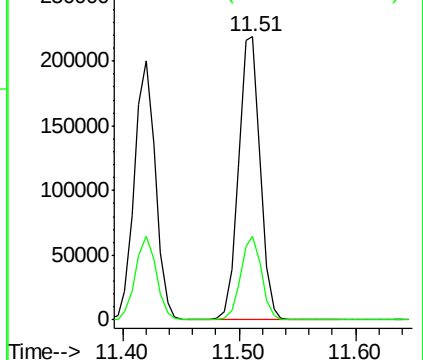
Ion Ratio Lower Upper

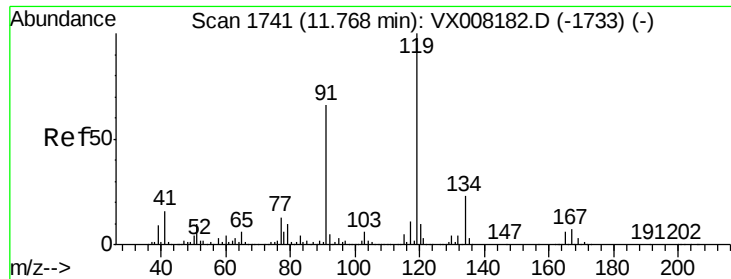
91 100

126 28.6 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





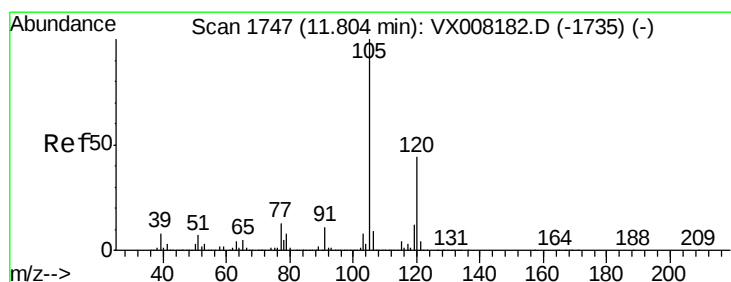
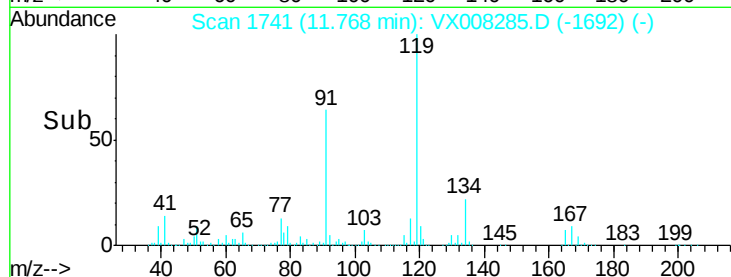
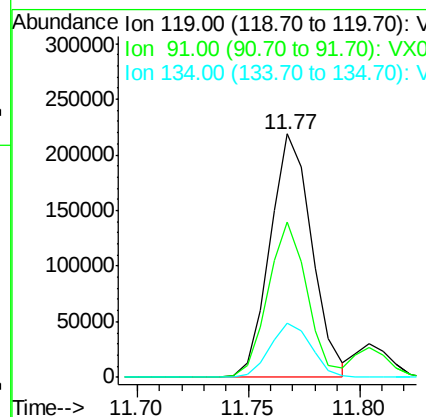
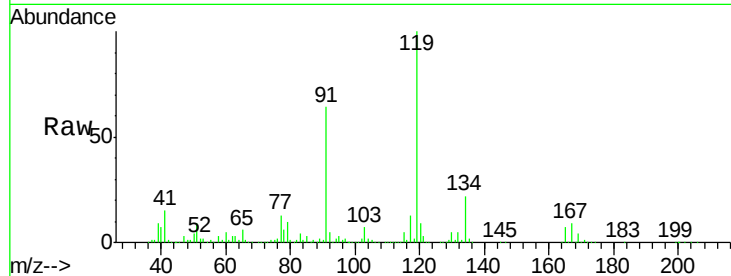
#83
tert-Butylbenzene
Concen: 21.89 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	284992		
91	60.1		27.1	81.3
134	22.1		11.4	34.1

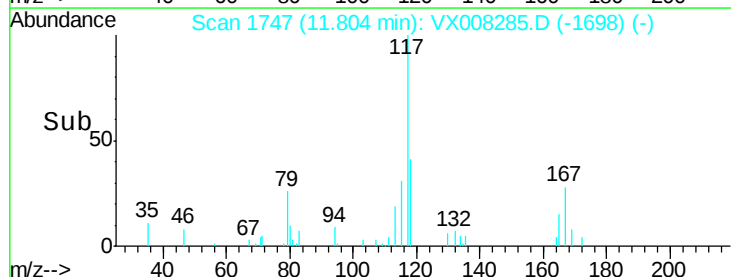
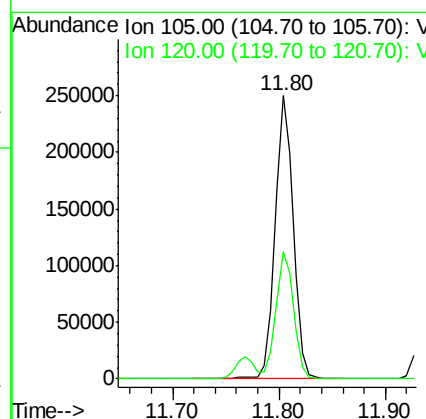
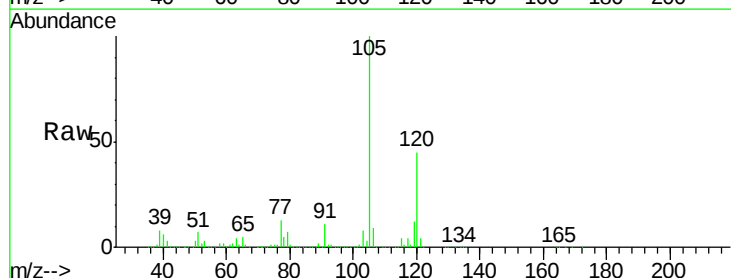
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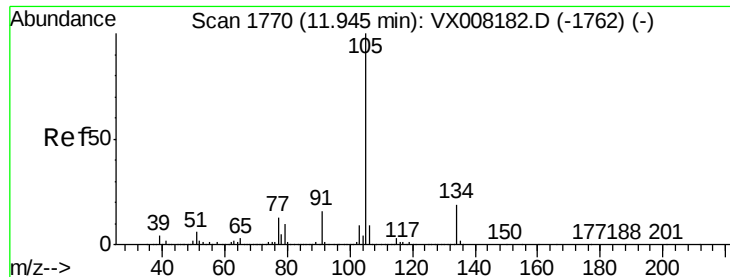
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.55 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	297935		
120	44.3		22.6	67.7





#85

sec-Butylbenzene

Concen: 22.16 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBS01

Tot Ion:105 Resp: 357280

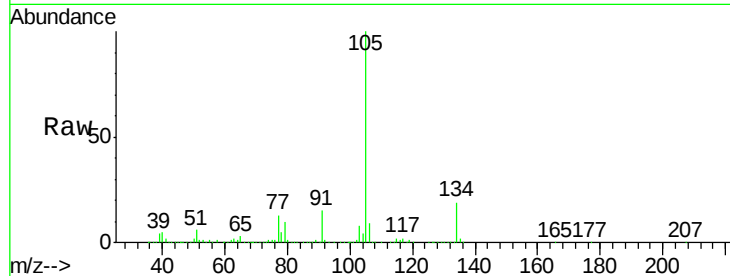
Ion Ratio Lower Upper

105 100

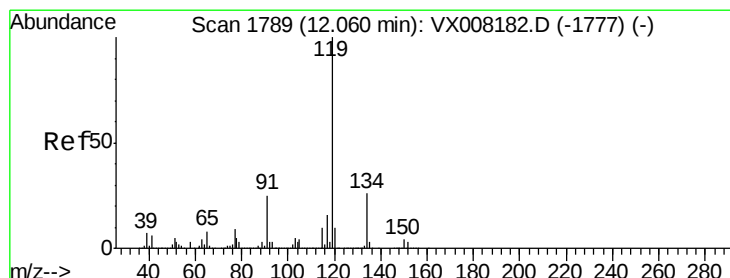
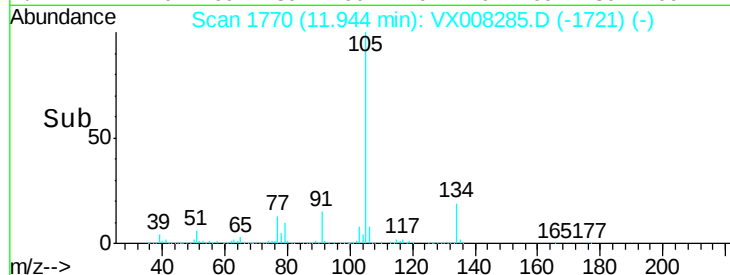
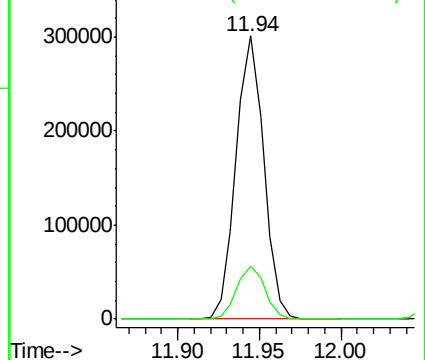
134 19.2 10.4 31.2

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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.04 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

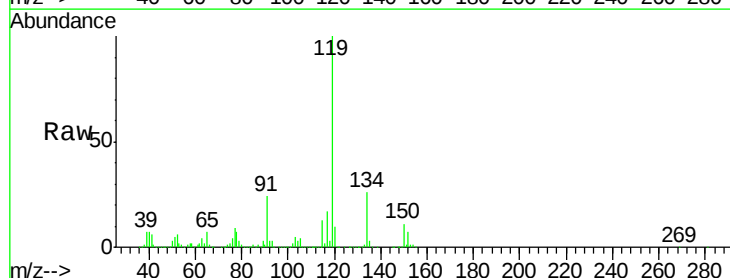
Tgt Ion:119 Resp: 307610

Ion Ratio Lower Upper

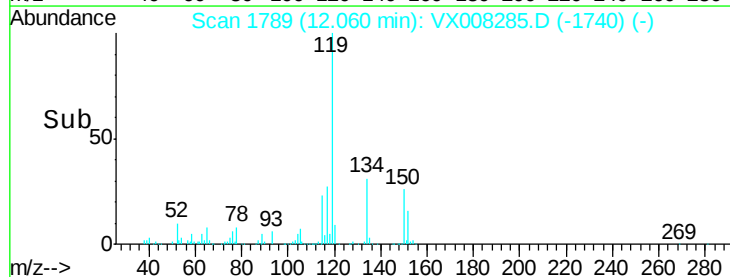
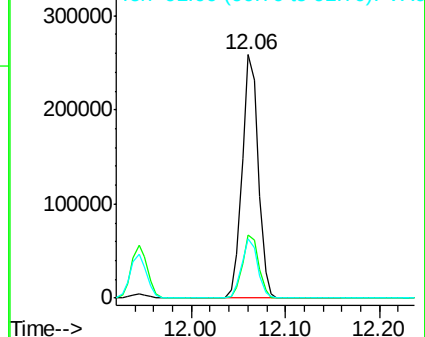
119 100

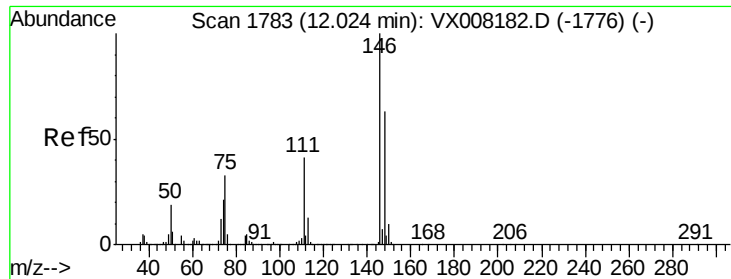
134 26.1 13.3 39.9

91 24.2 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





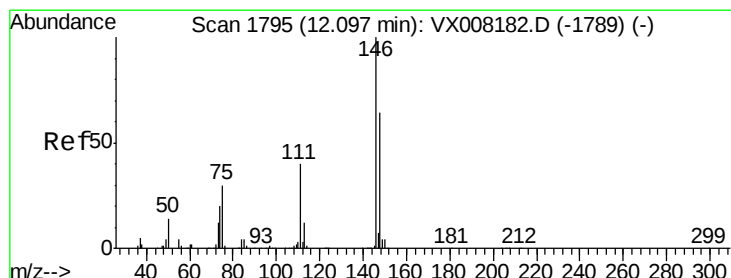
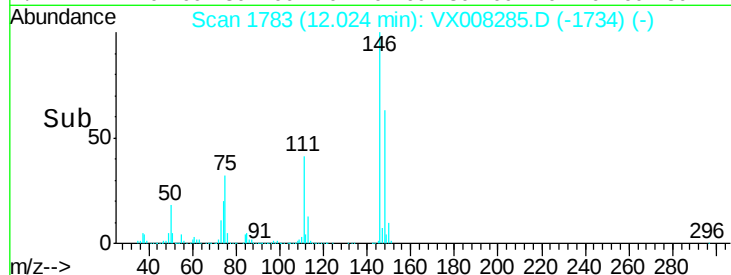
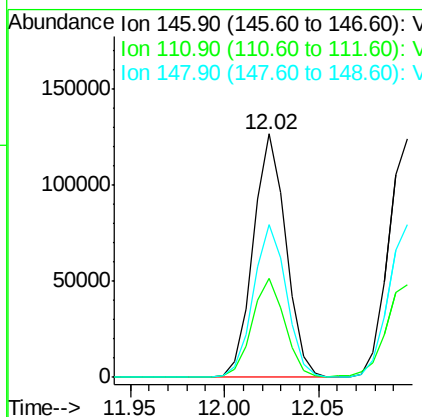
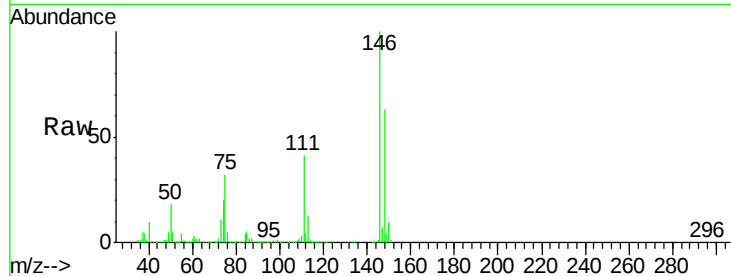
#87
 1,3-Dichlorobenzene
 Concen: 21.31 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008285.D
 Acq: 21 Mar 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	18.9	56.7
148	63.1	31.7	95.1

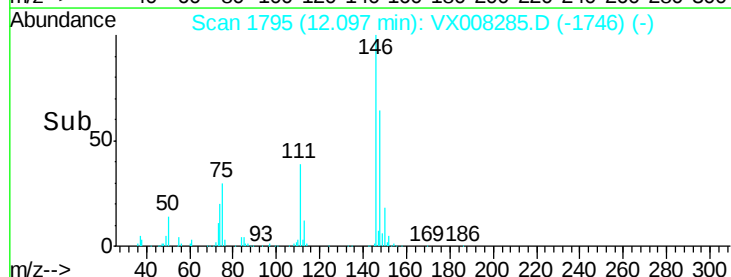
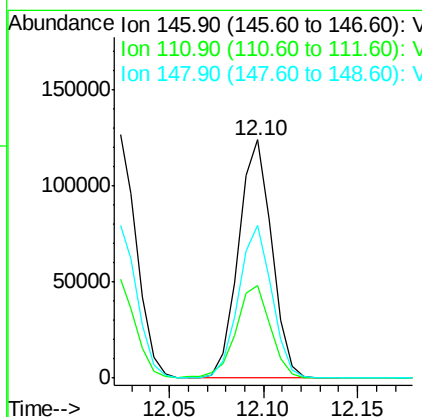
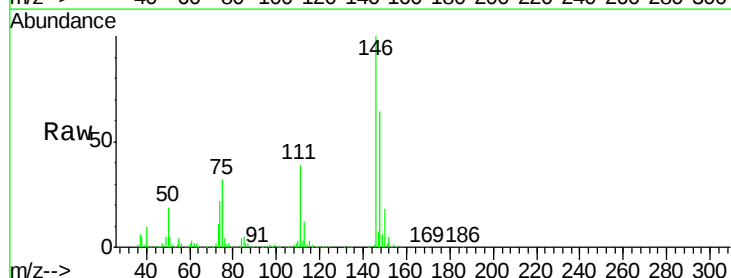
Manual Integrations
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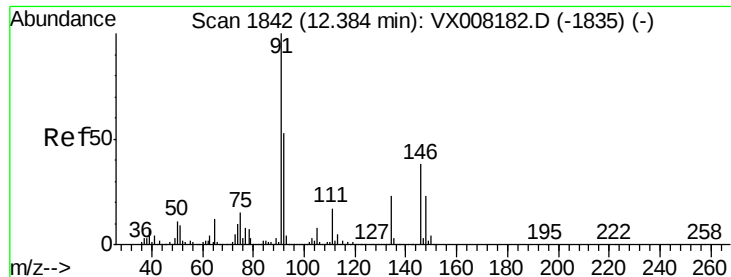
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 3/22/2019 5:18:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.48 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008285.D
 Acq: 21 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	18.4	55.0
148	64.0	32.2	96.6





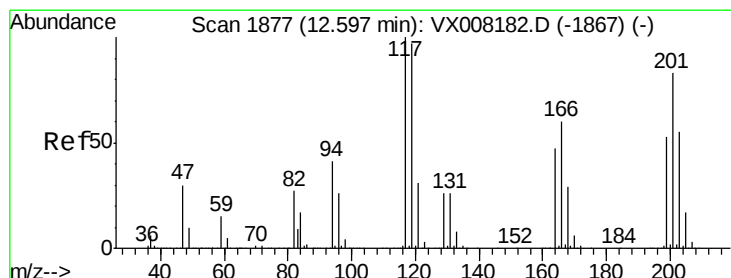
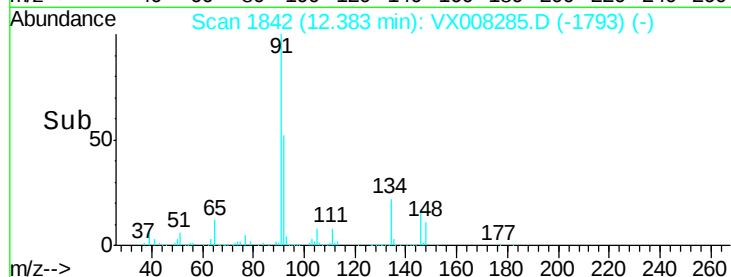
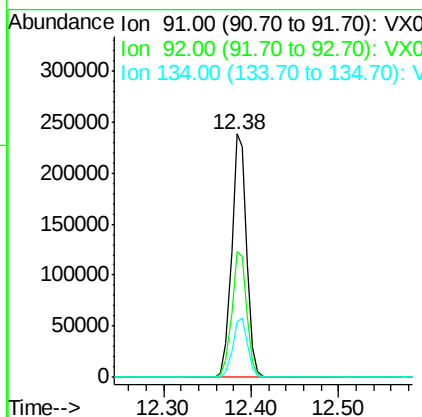
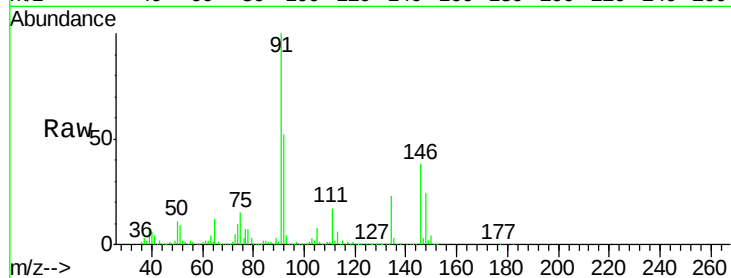
#89
n-Butylbenzene
Concen: 21.59 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	27.0	80.8
134	24.5	13.7	41.0

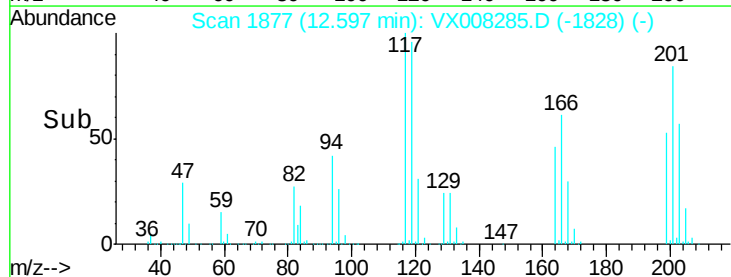
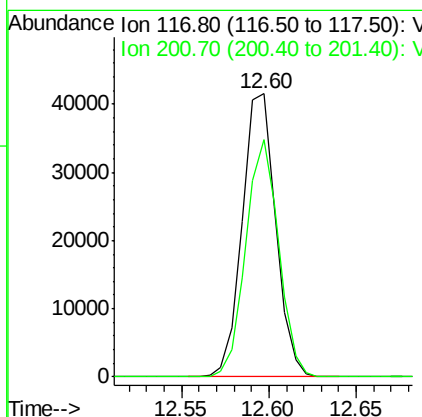
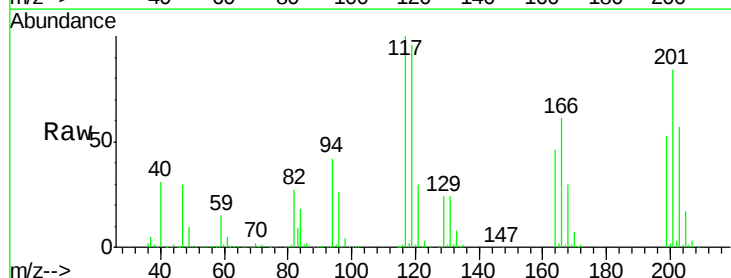
Manual Integrations
APPROVED

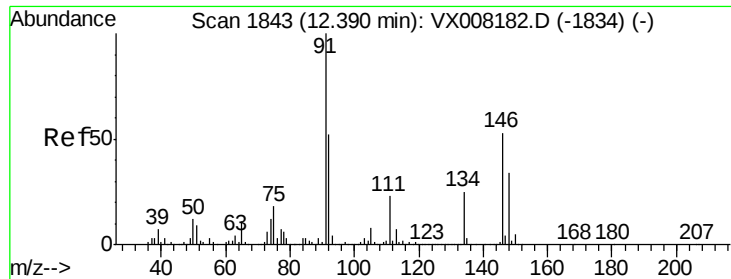
MMDadoda
3/22/2019 5:18:06 PM



#90
Hexachloroethane
Concen: 23.31 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008285.D
Acq: 21 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	48.9	146.7





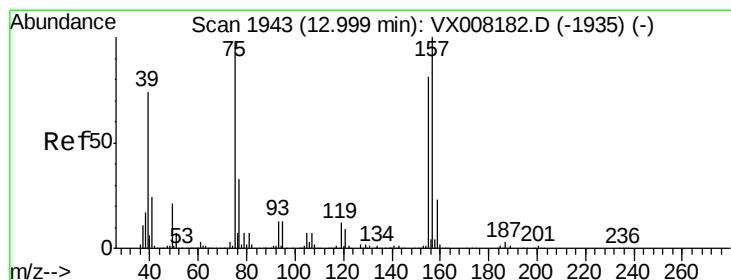
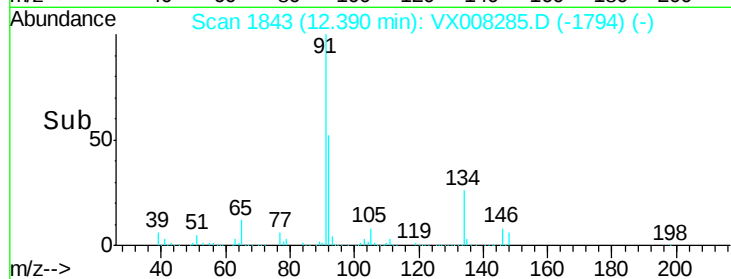
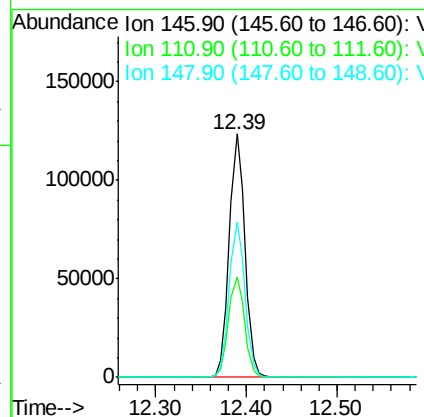
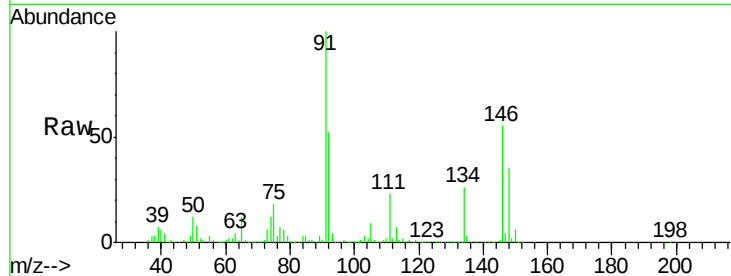
#91
 1,2-Dichlorobenzene
 Concen: 20.81 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008285.D
 Acq: 21 Mar 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	19.6	58.8
148	64.1	31.9	95.5

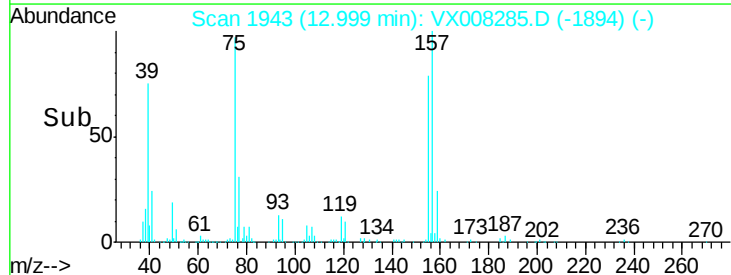
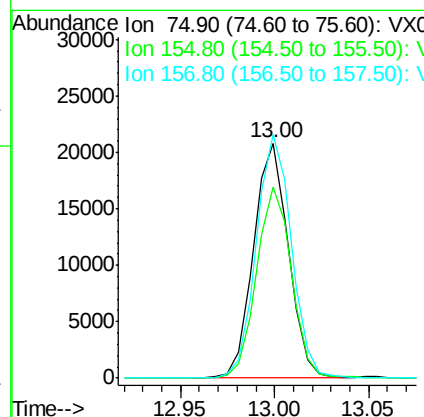
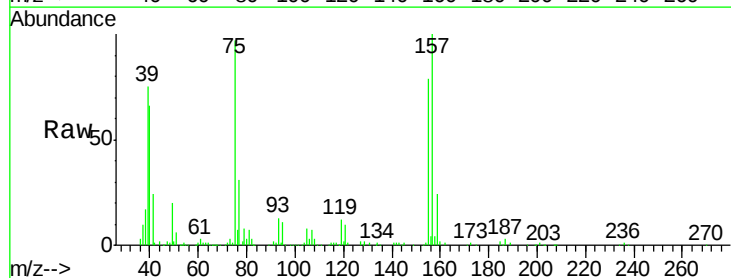
Manual Integrations
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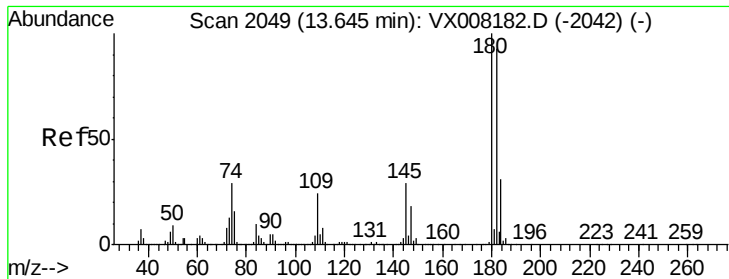
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.24 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008285.D
 Acq: 21 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	49.7	149.1
157	104.7	63.8	191.4





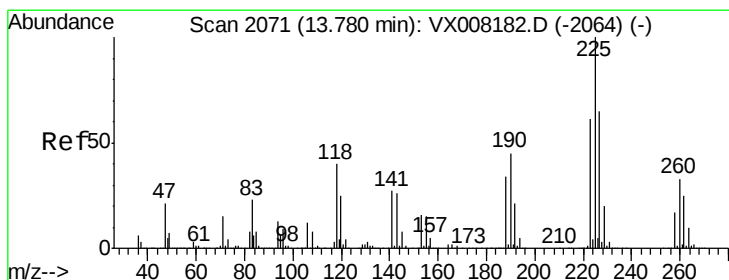
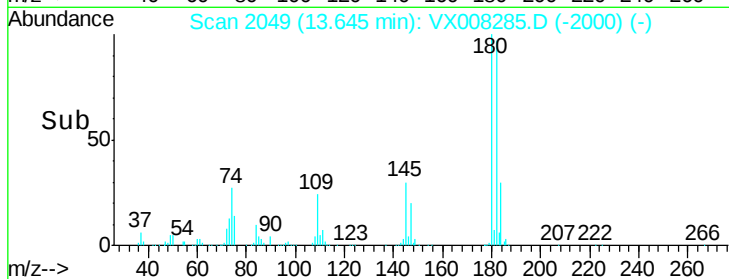
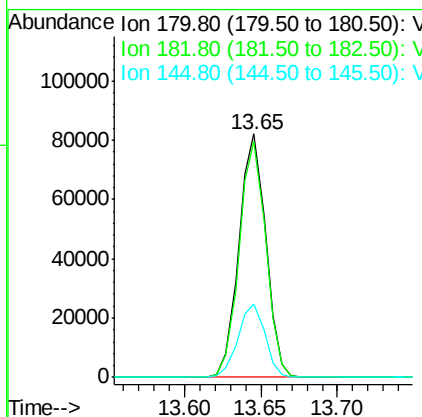
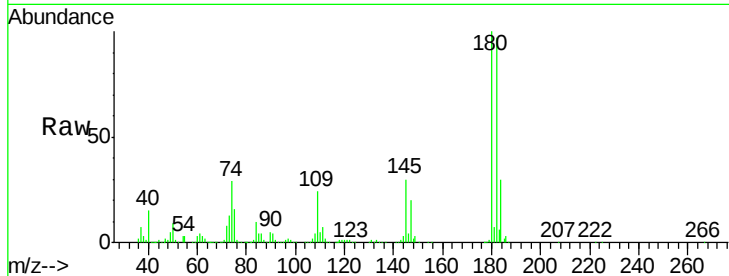
#93
 1,2,4-Trichlorobenzene
 Concen: 21.11 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008285.D
 Acq: 21 Mar 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.7
145	30.2	14.1	42.4

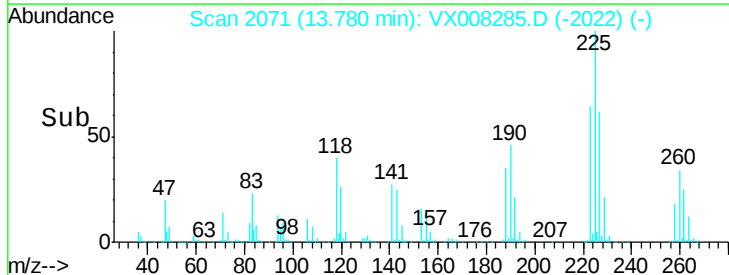
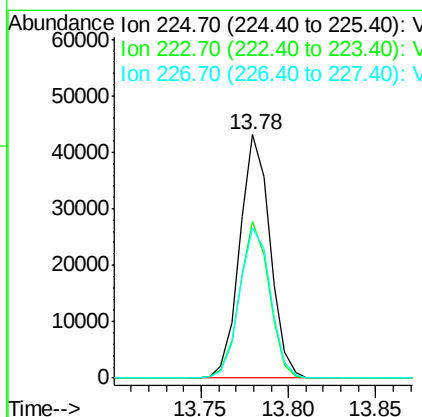
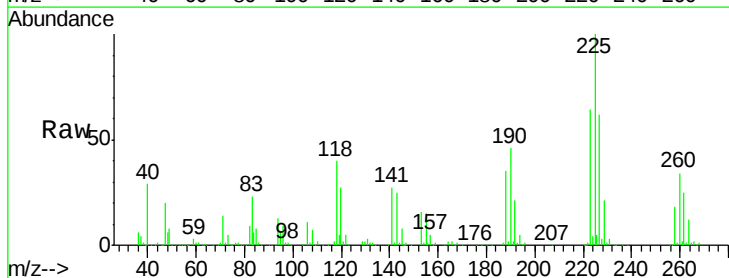
Manual Integrations
 APPROVED

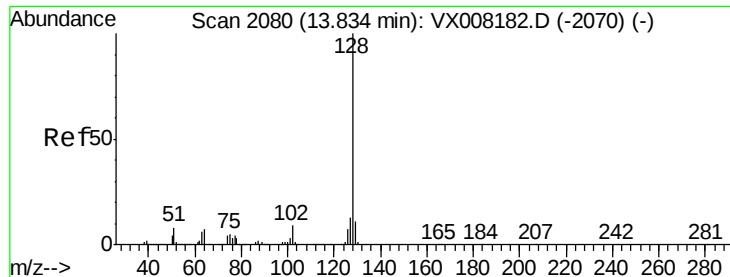
MMDadoda
 3/22/2019 5:18:06 PM



#94
 Hexachlorobutadiene
 Concen: 22.44 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008285.D
 Acq: 21 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.1	93.2
227	63.0	32.0	96.0





#95

Naphthalene

Concen: 21.33 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Instrument :

MSVOA_X

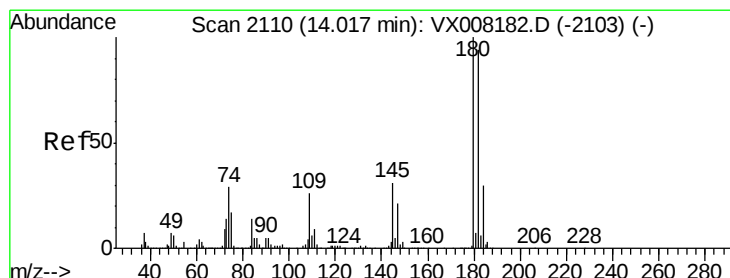
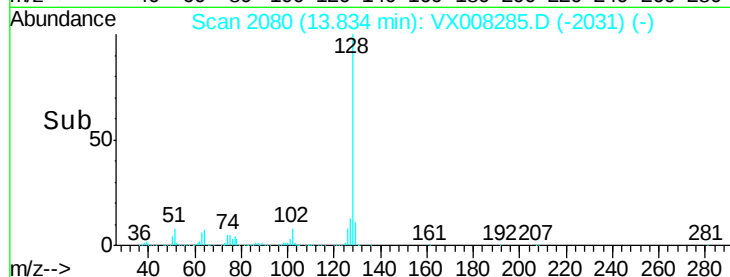
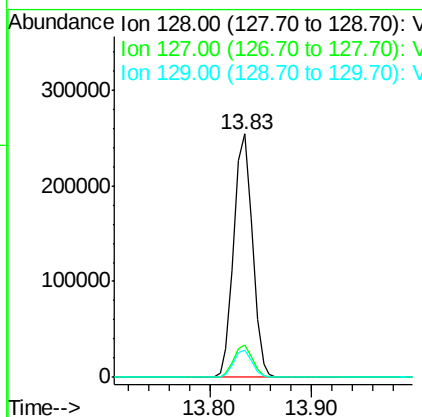
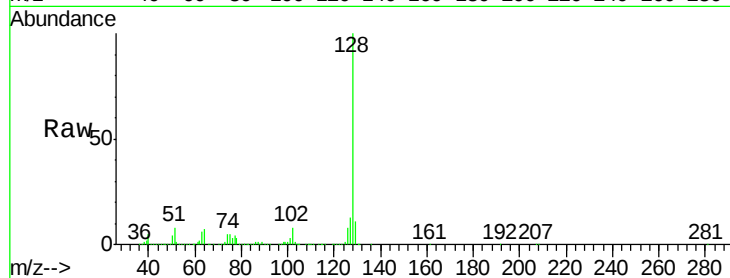
ClientSampleId :

VX0321WBS01

Tot Ion:	128	Resp:	318991
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.3	15.5
129	11.1	8.7	13.1

Manual Integrations
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3/22/2019 5:18:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.30 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008285.D

Acq: 21 Mar 2019 12:53

Tgt Ion:	180	Resp:	99275
Ion Ratio	Lower	Upper	
180	100		
182	97.2	47.5	142.5
145	31.9	14.8	44.3

