

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032119\
 Data File : VX008288.D
 Acq On : 21 Mar 2019 14:08
 Operator : JC/SP
 Sample : VX0321WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 5:18:11 PM

Quant Time: Mar 22 09:09:53 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	5.67	168	256901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	423105	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	374181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171999	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	191921	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
35) Dibromofluoromethane	5.50	113	148002	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
50) Toluene-d8	8.71	98	553955	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	11.13	95	194766	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59935	19.243	ug/l	99
3) Chloromethane	1.33	50	64201	16.427	ug/l	100
4) Vinyl Chloride	1.41	62	67342	17.282	ug/l	98
5) Bromomethane	1.64	94	60763	18.306	ug/l	99
6) Chloroethane	1.73	64	44981	18.411	ug/l	99
7) Trichlorofluoromethane	1.93	101	91263	18.352	ug/l	100
8) Diethyl Ether	2.19	74	51185	20.005	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	65482	19.833	ug/l	92
10) Methyl Iodide	2.51	142	84687	20.144	ug/l	97
11) Tert butyl alcohol	3.04	59	84749	102.318	ug/l	99
12) 1,1-Dichloroethene	2.38	96	63672	20.427	ug/l	98
13) Acrolein	2.29	56	84000	139.407	ug/l	99
14) Allyl chloride	2.73	41	133782	19.716	ug/l	93
15) Acrylonitrile	3.14	53	221093	100.917	ug/l	99
16) Acetone	2.45	43	205650	93.714	ug/l	98
17) Carbon Disulfide	2.57	76	195409	19.621	ug/l	100
18) Methyl Acetate	2.78	43	109498	21.553	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	232965	20.670	ug/l	97
20) Methylene Chloride	2.86	84	71898	19.648	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	66107	19.631	ug/l	97
22) Diisopropyl ether	3.85	45	269921	20.311	ug/l	# 76
23) Vinyl Acetate	3.82	43	1174050	103.043	ug/l	99
24) 1,1-Dichloroethane	3.70	63	136582	19.982	ug/l	99
25) 2-Butanone	4.68	43	323640	99.910	ug/l	100
26) 2,2-Dichloropropane	4.59	77	92700	18.003	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	77019	20.063	ug/l	93
28) Bromochloromethane	5.02	49	56518	18.414	ug/l	87
29) Tetrahydrofuran	5.13	42	211603	104.496	ug/l	99
30) Chloroform	5.21	83	130567	20.421	ug/l	97
31) Cyclohexane	5.58	56	126627	19.729	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	107937	20.294	ug/l	94
36) 1,1-Dichloropropene	5.80	75	96601	19.610	ug/l	97
37) Ethyl Acetate	4.84	43	122464	21.031	ug/l	99
38) Carbon Tetrachloride	5.79	117	92289	21.027	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	119000	20.074	ug/l	96
40) Benzene	6.15	78	296425	20.331	ug/l	99
41) Methacrylonitrile	5.05	41	67866	20.777	ug/l	98
42) 1,2-Dichloroethane	6.20	62	108983	20.405	ug/l	94
43) Isopropyl Acetate	6.45	43	196314	21.033	ug/l	97
44) Trichloroethene	7.21	130	70770	19.851	ug/l	92
45) 1,2-Dichloropropane	7.51	63	82387	20.185	ug/l	99
46) Dibromomethane	7.66	93	50395	20.393	ug/l	87
47) Bromodichloromethane	7.90	83	100479	21.335	ug/l	99
48) Methyl methacrylate	7.77	41	102465	20.646	ug/l	93
49) 1,4-Dioxane	7.74	88	37006	422.545	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	645377	106.953	ug/l	98
52) Toluene	8.79	92	175953	20.342	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	105904	18.867	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	118158	20.215	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	74559	21.334	ug/l	96
56) Ethyl methacrylate	9.18	69	122580	20.312	ug/l #	92
57) 1,3-Dichloropropane	9.37	76	128964	20.860	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	269272	94.039	ug/l	94
59) 2-Hexanone	9.49	43	495529	106.666	ug/l	96
60) Dibromochloromethane	9.58	129	76580	22.801	ug/l	100
61) 1,2-Dibromoethane	9.67	107	76215	20.886	ug/l	99
64) Tetrachloroethene	9.34	164	65359	19.361	ug/l	96
65) Chlorobenzene	10.14	112	186796	20.288	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	67529	21.036	ug/l	97
67) Ethyl Benzene	10.25	91	330355	20.361	ug/l	99
68) m/p-Xylenes	10.36	106	246659	41.386	ug/l	95
69) o-Xylene	10.70	106	121035	20.899	ug/l	96
70) Styrene	10.71	104	195787	20.802	ug/l	96
71) Bromoform	10.85	173	56747	21.815	ug/l #	99
73) Isopropylbenzene	11.02	105	322647	21.045	ug/l	98
74) N-amyl acetate	10.90	43	168485	20.976	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	118601	21.574	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	100685m	20.813	ug/l	
77) Bromobenzene	11.26	156	76740	20.702	ug/l	86
78) n-propylbenzene	11.36	91	369874	20.772	ug/l	96
79) 2-Chlorotoluene	11.42	91	220854	20.664	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	261701	20.662	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	34415	19.051	ug/l	89
82) 4-Chlorotoluene	11.51	91	250193	20.117	ug/l	96
83) tert-Butylbenzene	11.77	119	256393	21.202	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	269692	21.003	ug/l	97
85) sec-Butylbenzene	11.94	105	313615	20.942	ug/l	97
86) p-Isopropyltoluene	12.06	119	269479	20.789	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	136242	20.566	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	136228	19.881	ug/l	98
89) n-Butylbenzene	12.38	91	244053	20.060	ug/l	96
90) Hexachloroethane	12.60	117	48640	22.032	ug/l	85
91) 1,2-Dichlorobenzene	12.39	146	137022	20.514	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	26122	21.393	ug/l	78

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ClientSampleId :
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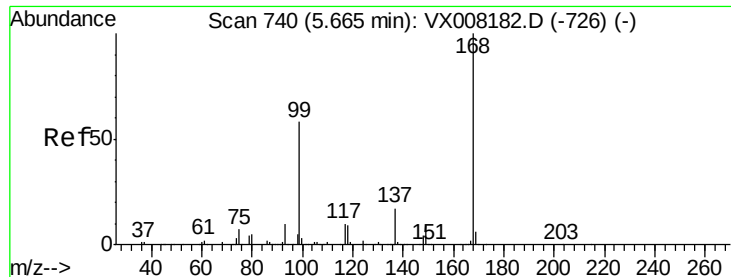
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	87044	19.784	ug/l	99
94) Hexachlorobutadiene	13.78	225	44342	20.665	ug/l	98
95) Naphthalene	13.83	128	288142	20.750	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	87317	20.169	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD01

Tot Ion:168 Resp: 256901

Ion Ratio Lower Upper

168 100

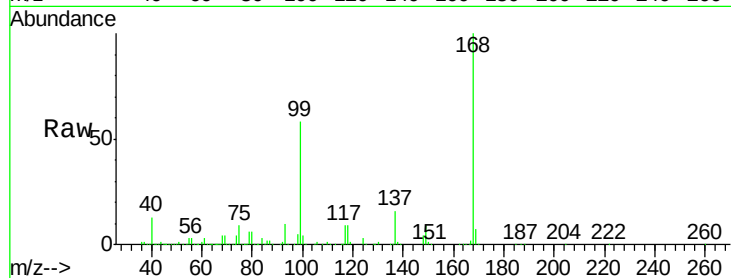
99 57.8 37.6 56.4#

Manual Integrations

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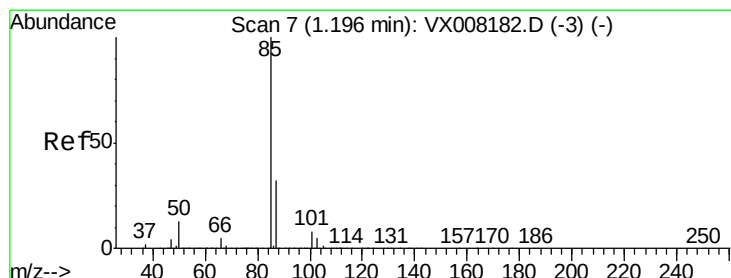
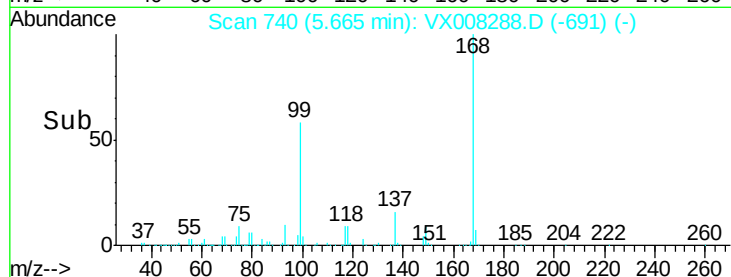
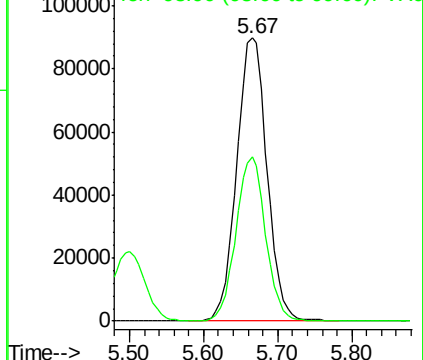
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.243 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008288.D

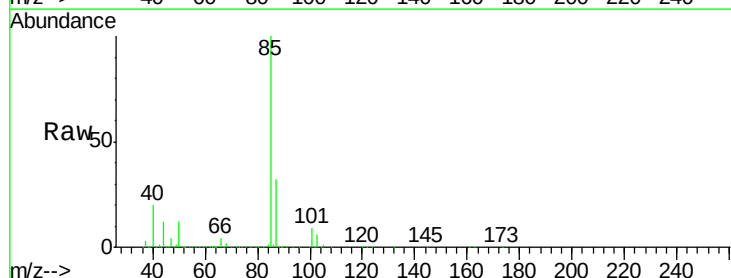
Acq: 21 Mar 2019 14:08

Tgt Ion: 85 Resp: 59935

Ion Ratio Lower Upper

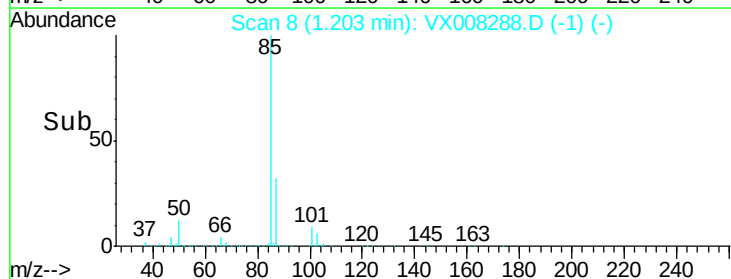
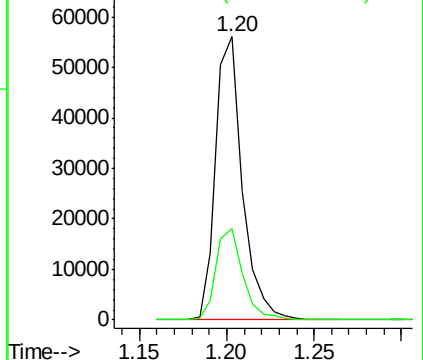
85 100

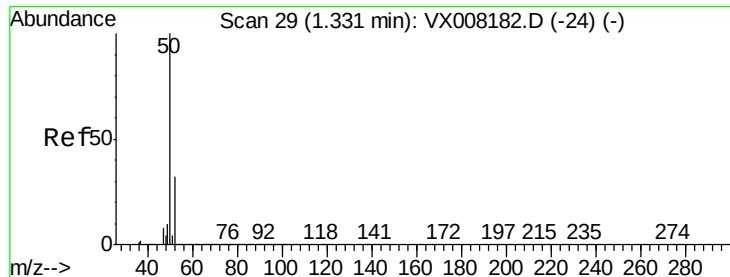
87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.427 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD01

Tot Ion: 50 Resp: 64201

Ion Ratio Lower Upper

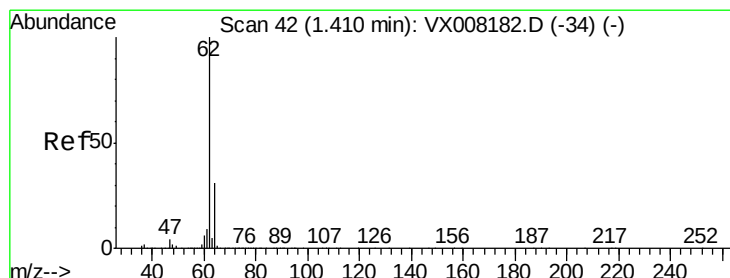
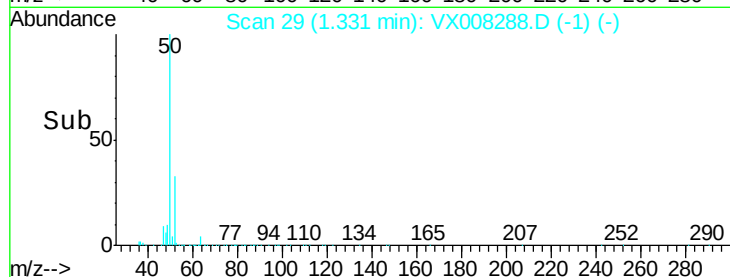
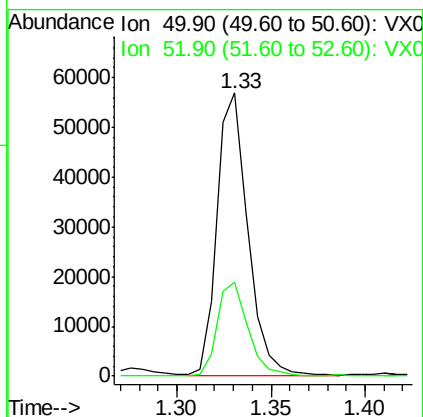
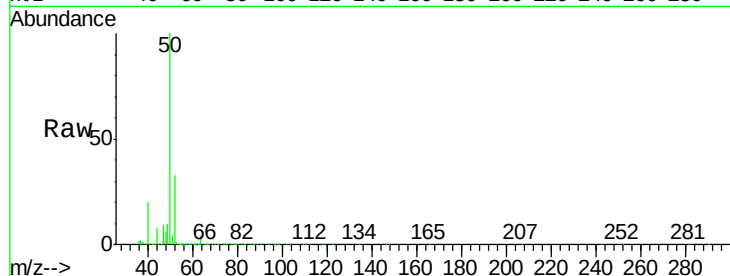
50 100

52 33.0 26.5 39.7

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#4

Vinyl Chloride

Concen: 17.282 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008288.D

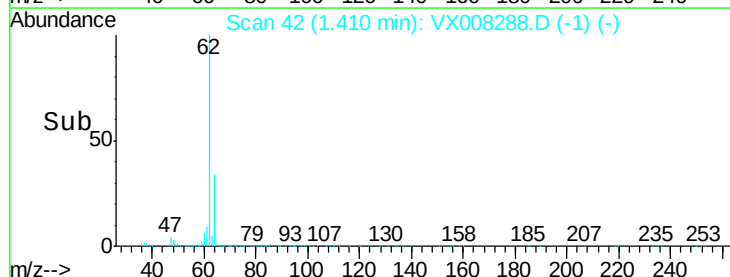
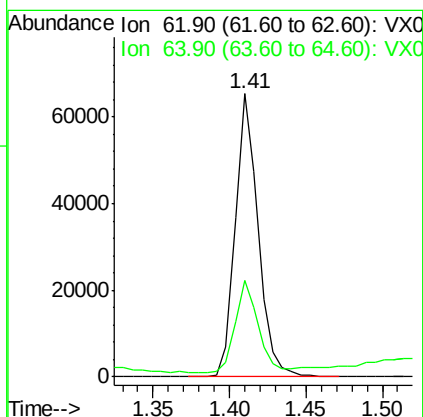
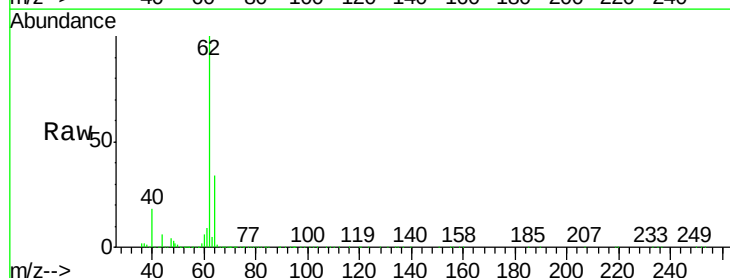
Acq: 21 Mar 2019 14:08

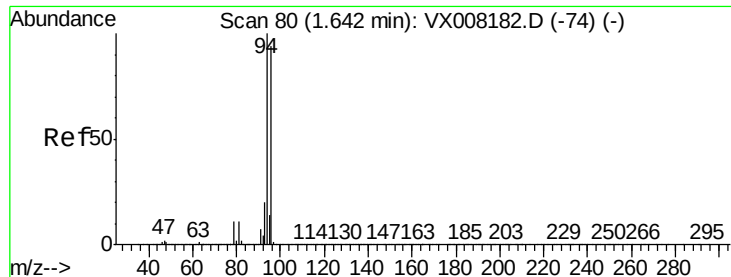
Tgt Ion: 62 Resp: 67342

Ion Ratio Lower Upper

62 100

64 32.8 25.3 37.9





#5

Bromomethane

Concen: 18.306 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD01

Tot Ion: 94 Resp: 60763

Ion Ratio Lower Upper

94 100

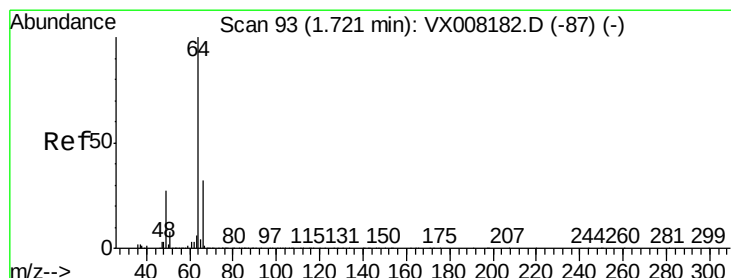
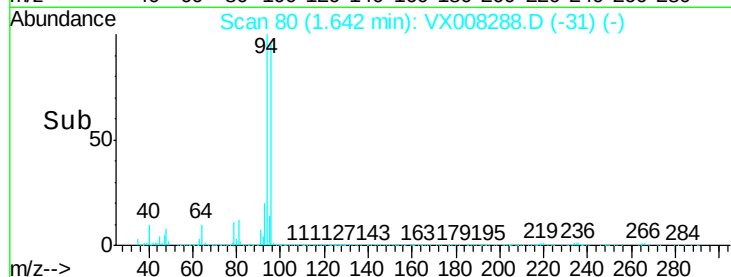
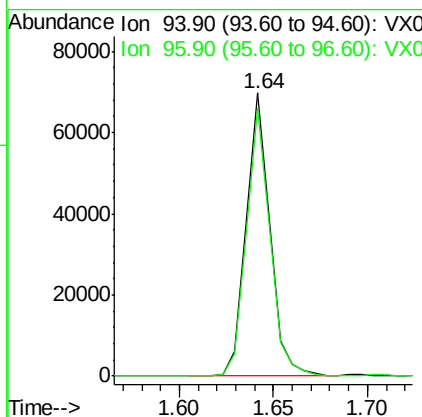
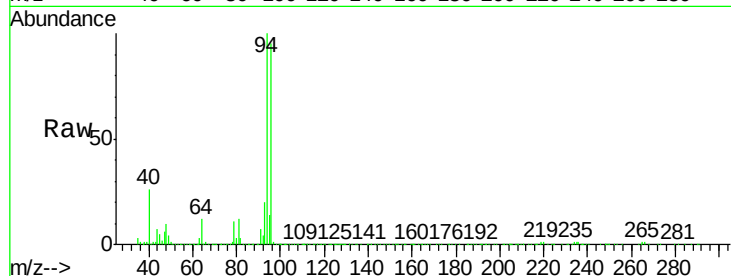
96 94.9 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 18.411 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008288.D

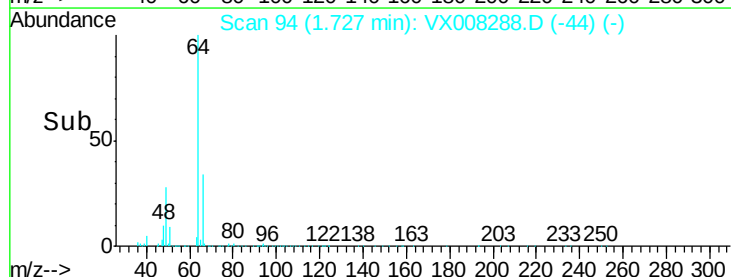
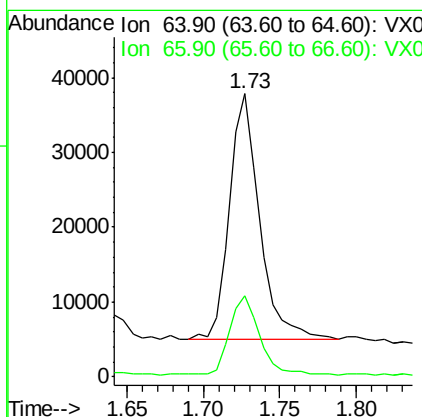
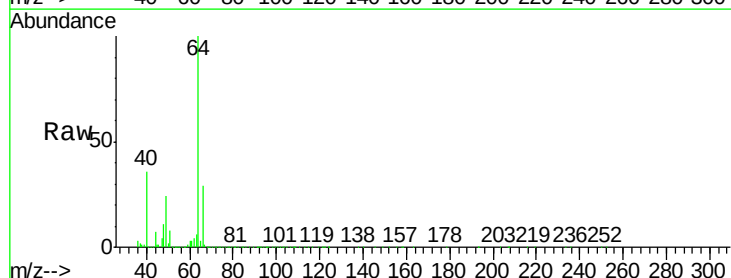
Acq: 21 Mar 2019 14:08

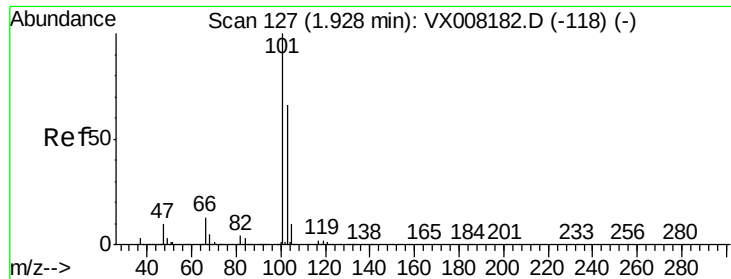
Tgt Ion: 64 Resp: 44981

Ion Ratio Lower Upper

64 100

66 32.0 25.2 37.8





#7

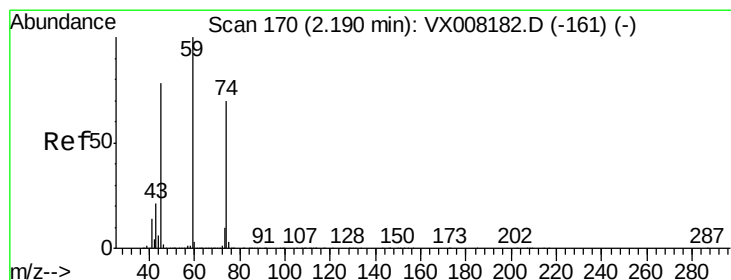
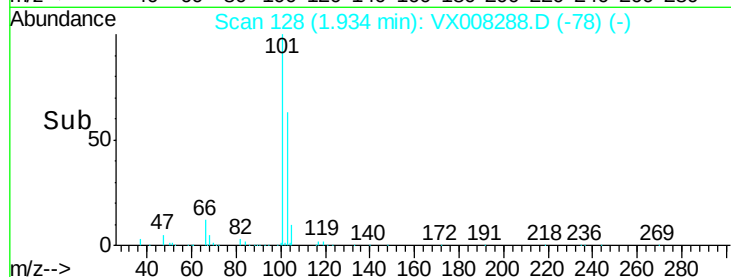
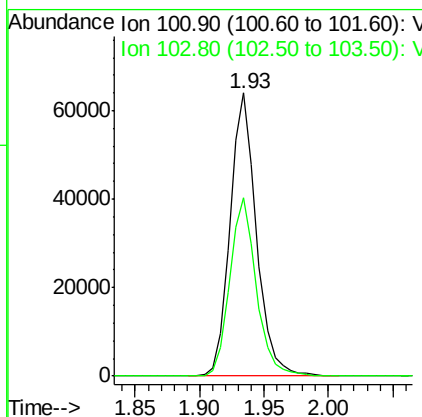
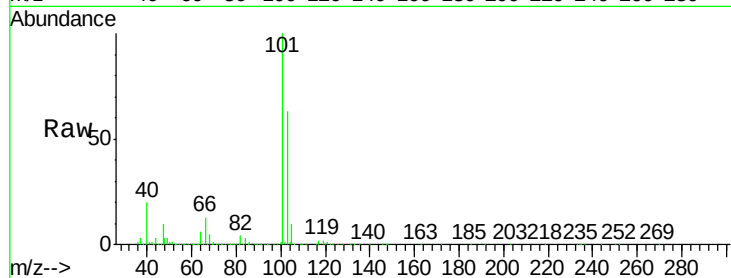
Trichlorofluoromethane
Concen: 18.352 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Instrument :
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ClientSampleId :
VX0321WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	50.4	75.6

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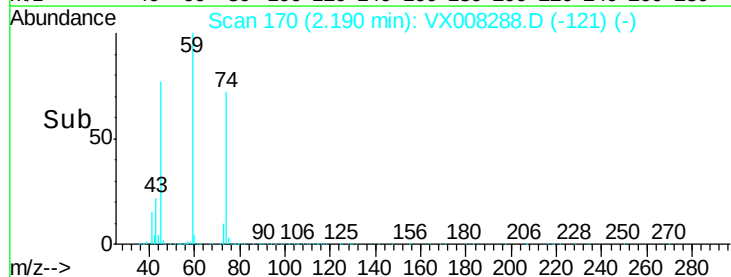
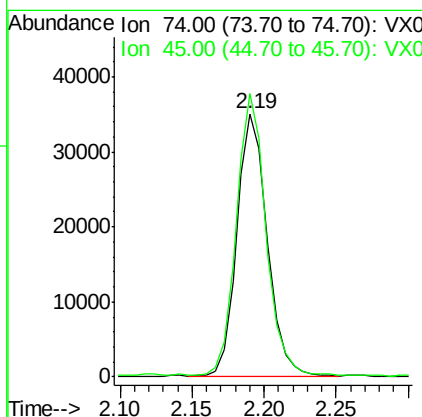
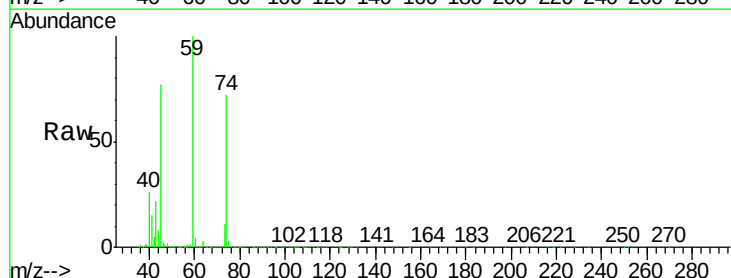
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3/22/2019 5:18:11 PM

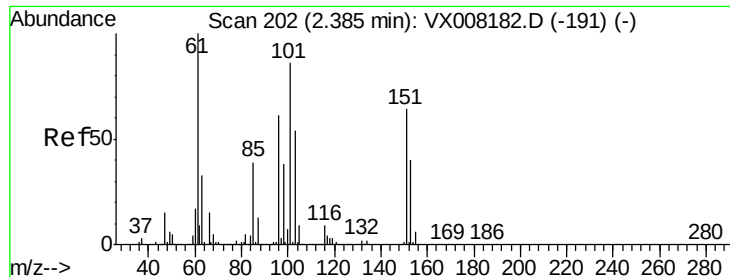


#8

Diethyl Ether
Concen: 20.005 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.9	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.833 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

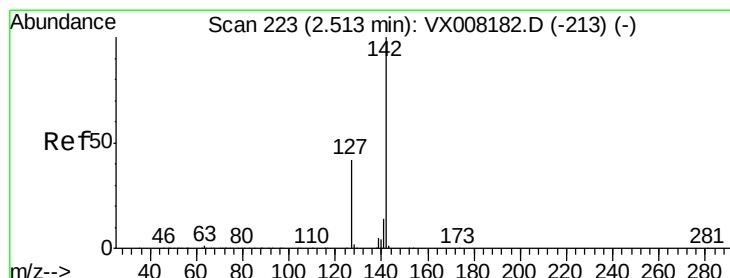
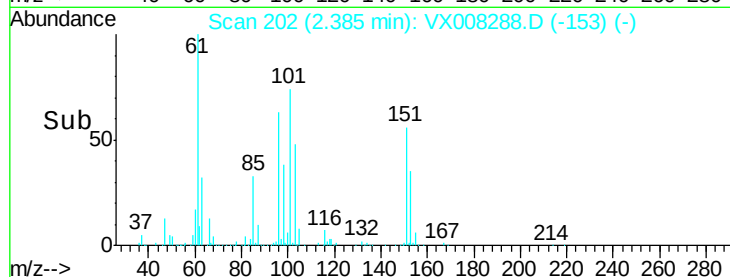
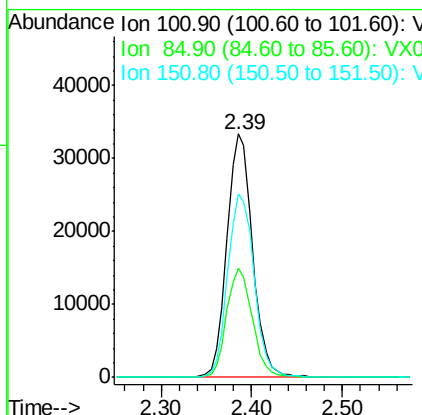
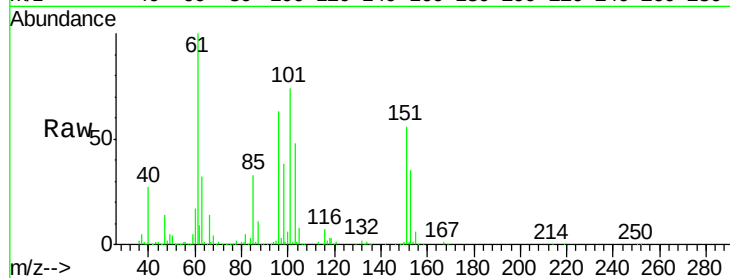
ClientSampleId :

VX0321WBSD01

Tot Ion:	101	Resp:	65482
Ion Ratio	Lower	Upper	
101	100		
85	44.9	33.8	50.6
151	77.9	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 20.144 ug/l

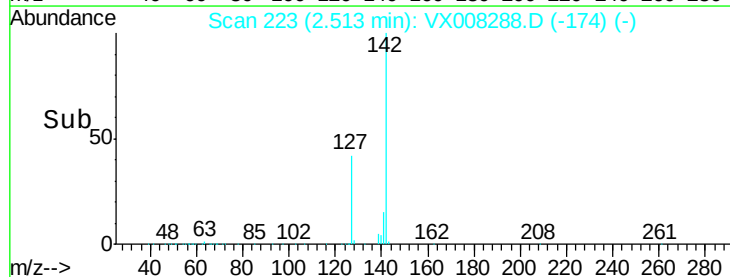
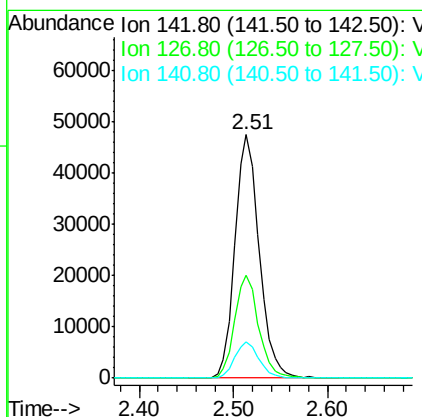
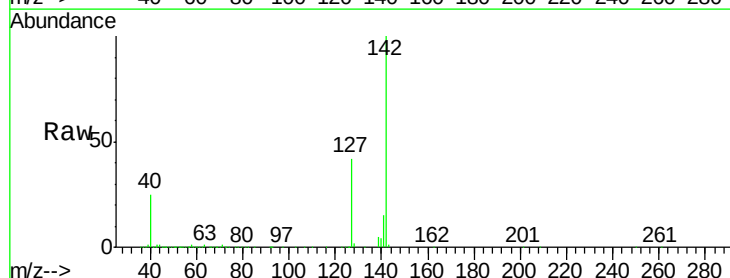
RT: 2.51 min Scan# 223

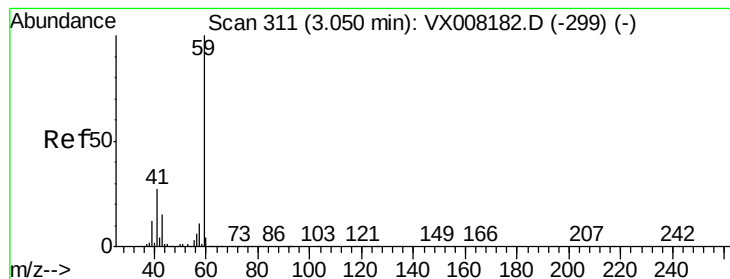
Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Tgt Ion:	142	Resp:	84687
Ion Ratio	Lower	Upper	
142	100		
127	42.2	32.1	48.1
141	15.0	11.4	17.2





#11

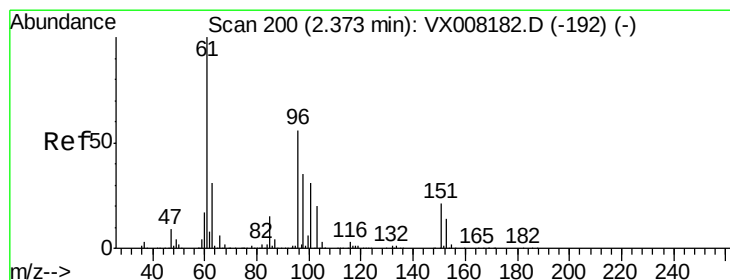
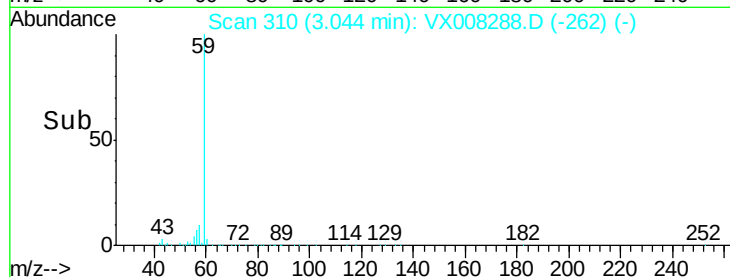
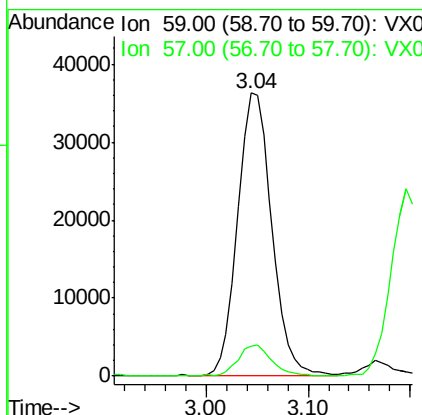
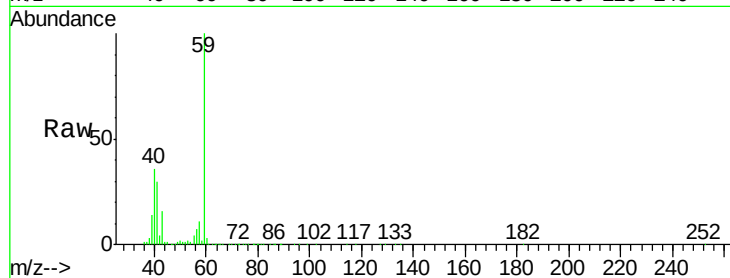
Tert butyl alcohol
Concen: 102.318 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

Manual Integrations
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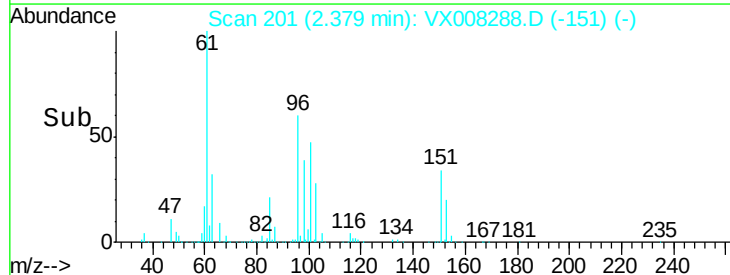
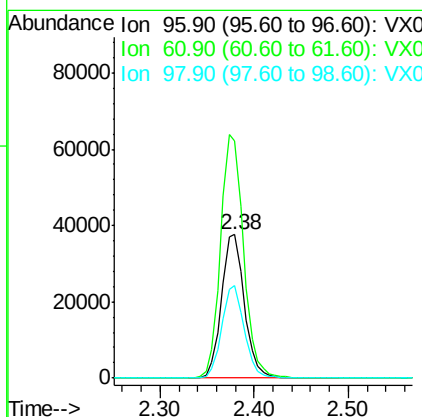
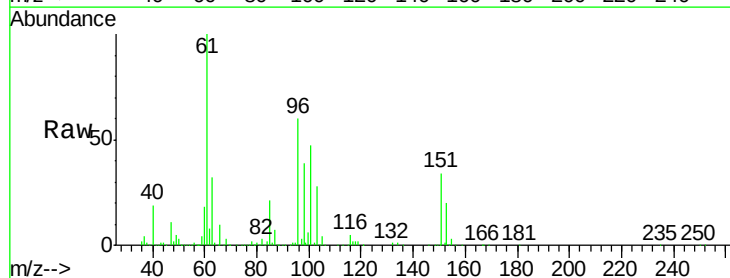
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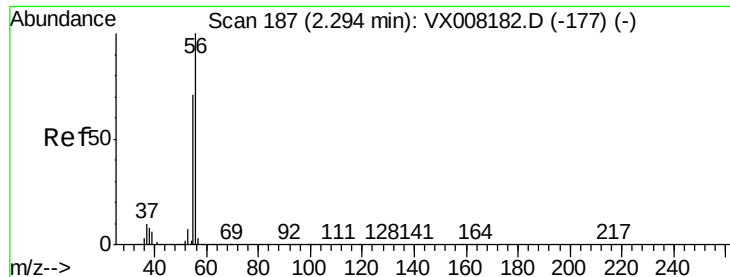


#12

1,1-Dichloroethene
Concen: 20.427 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.3	129.8	194.6
98	64.7	51.0	76.6





#13

Acrolein

Concen: 139.407 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD01

Tot Ion: 56 Resp: 84000

Ion Ratio Lower Upper

56 100

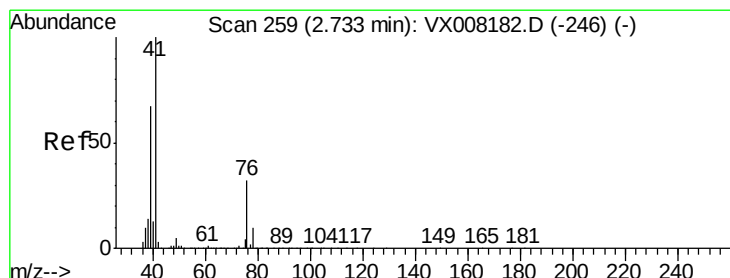
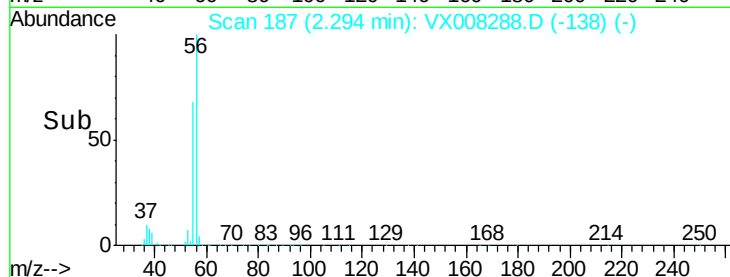
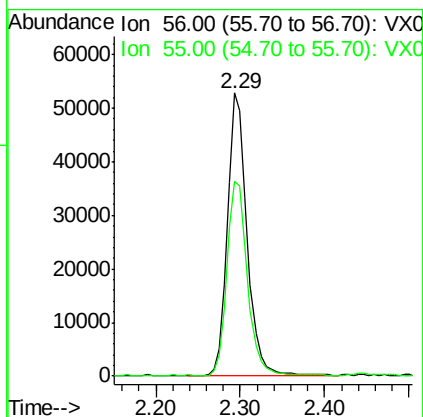
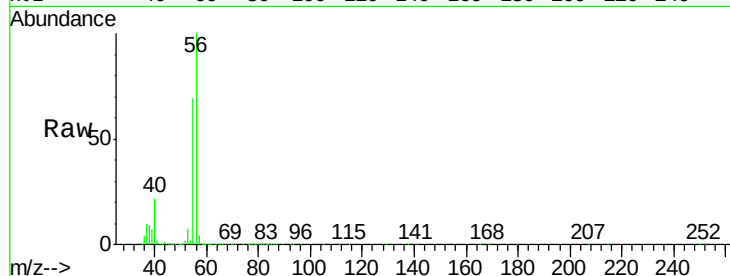
55 71.5 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.716 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

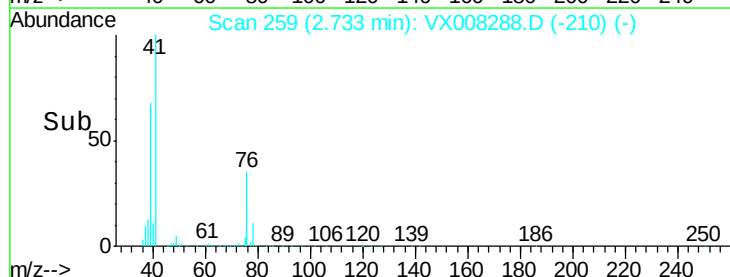
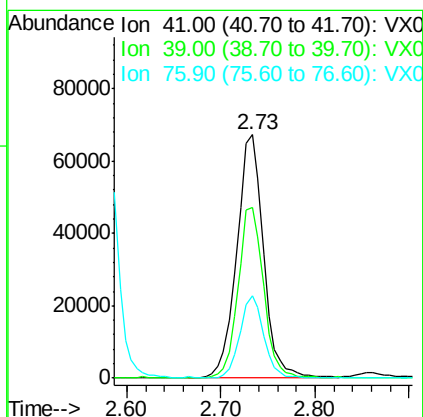
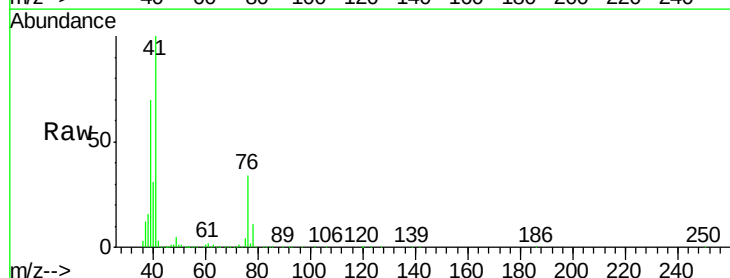
Tgt Ion: 41 Resp: 133782

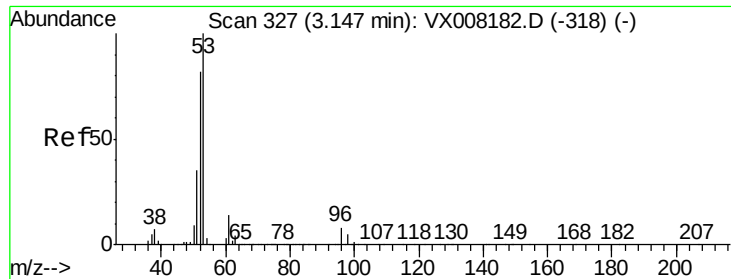
Ion Ratio Lower Upper

41 100

39 65.8 46.1 69.1

76 29.7 24.0 36.0





#15

Acrylonitrile

Concen: 100.917 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

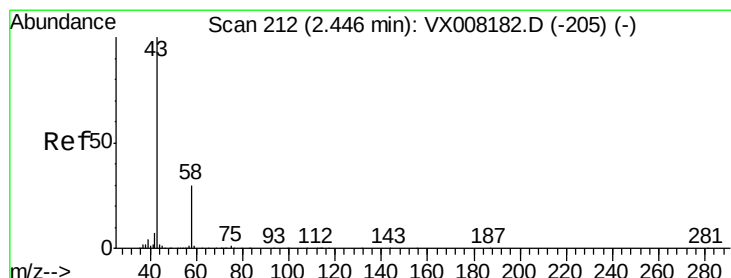
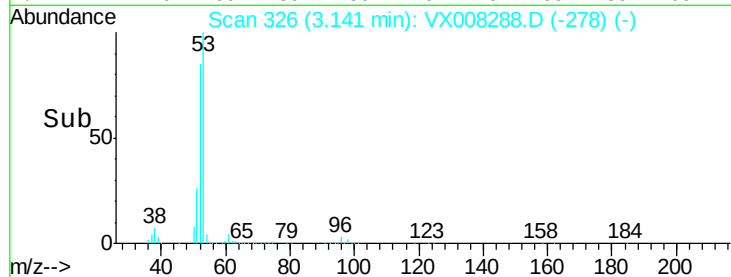
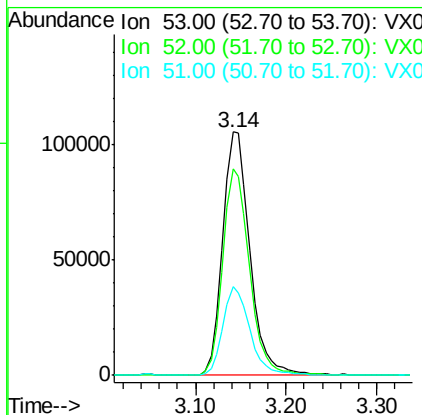
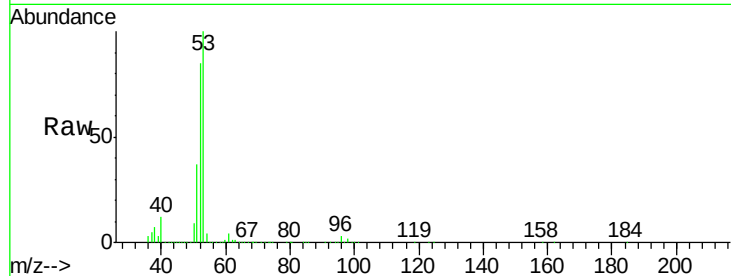
ClientSampleId :

VX0321WBSD01

Tot Ion:	53	Resp:	221093
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.0	99.0
51	36.0	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 93.714 ug/l

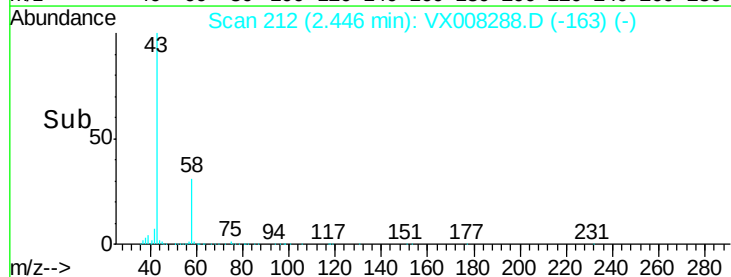
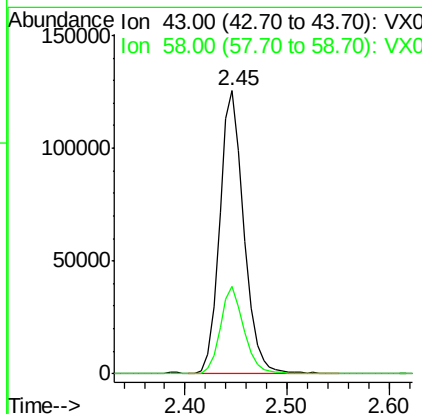
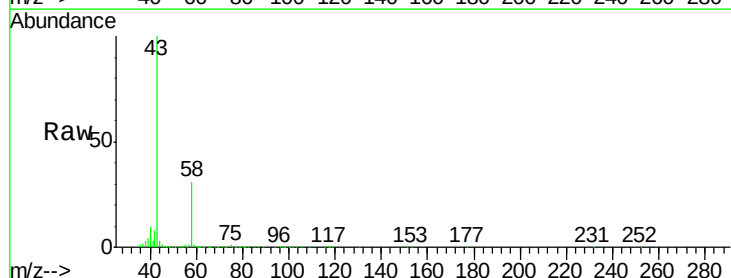
RT: 2.45 min Scan# 212

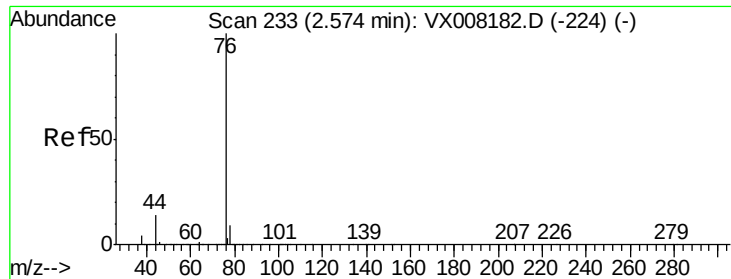
Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Tgt Ion:	43	Resp:	205650
Ion Ratio		Lower	Upper
43	100		
58	30.9	25.5	38.3





#17

Carbon Disulfide

Concen: 19.621 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD01

Tot Ion: 76 Resp: 195409

Ion Ratio Lower Upper

76 100

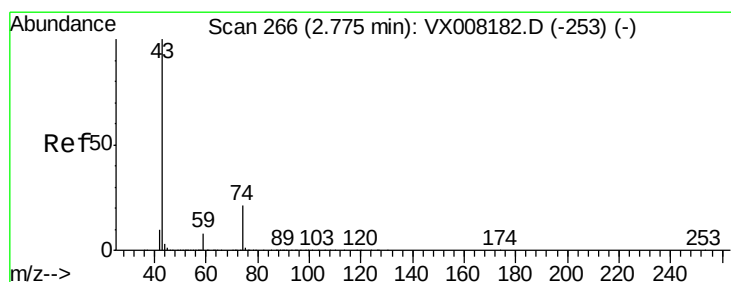
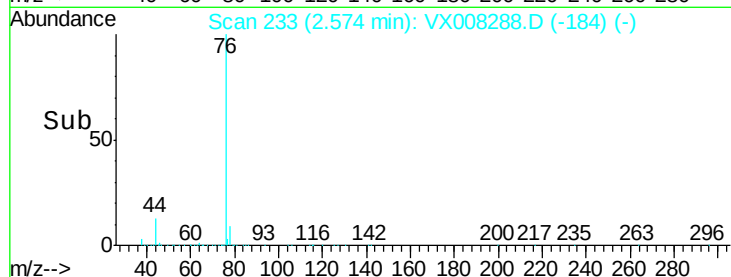
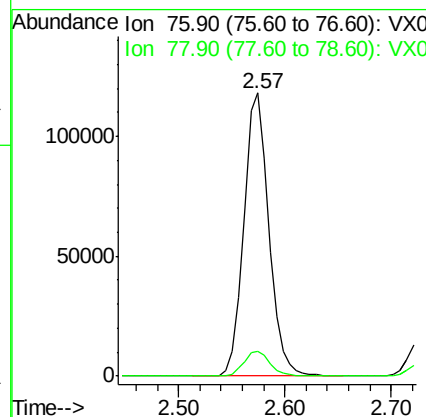
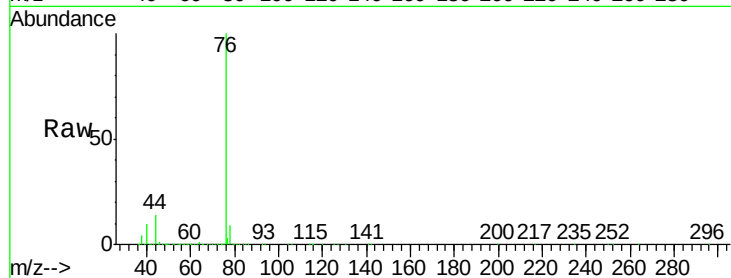
78 9.0 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 21.553 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX008288.D

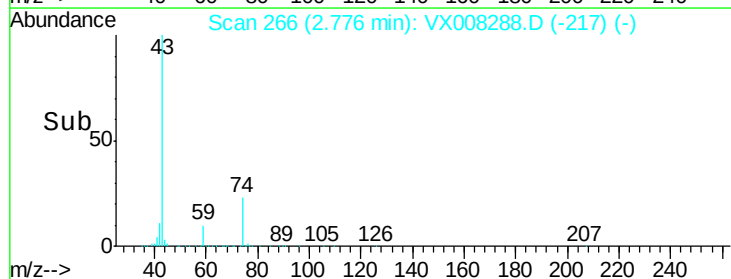
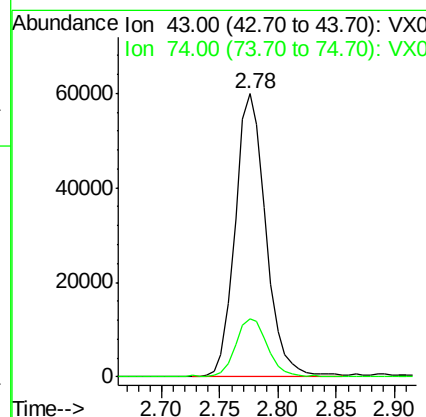
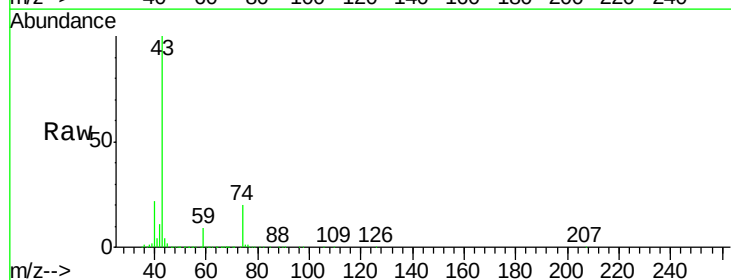
Acq: 21 Mar 2019 14:08

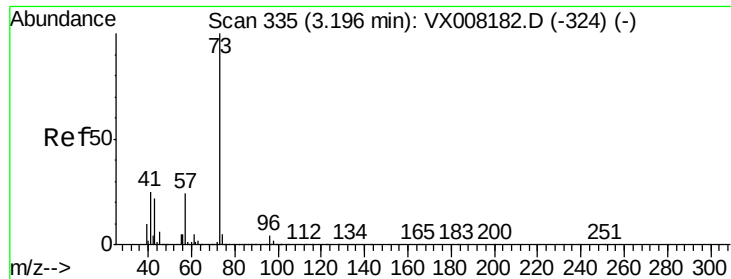
Tgt Ion: 43 Resp: 109498

Ion Ratio Lower Upper

43 100

74 21.7 17.8 26.6





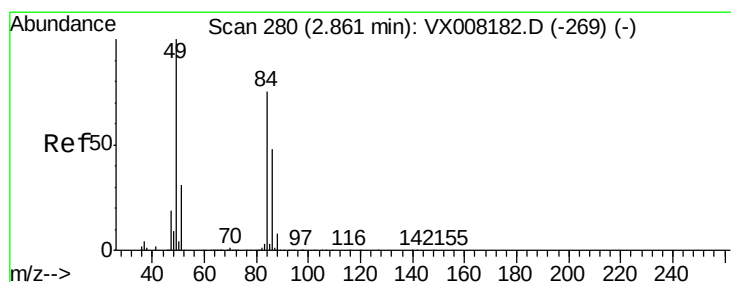
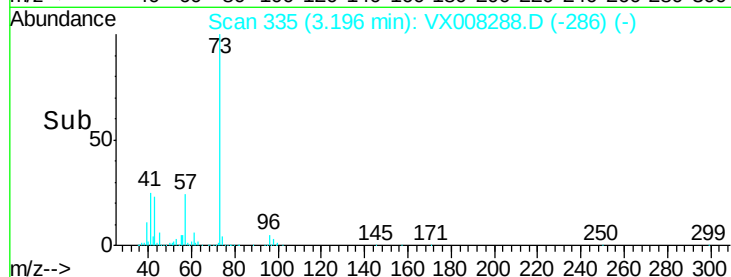
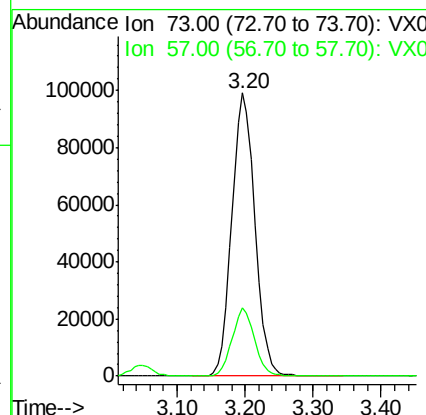
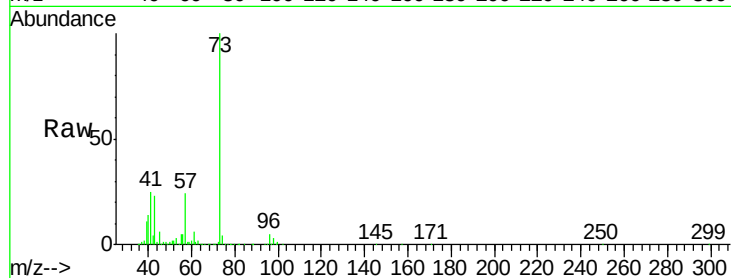
#19
Methyl tert-butyl Ether
Concen: 20.670 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	18.2	27.4

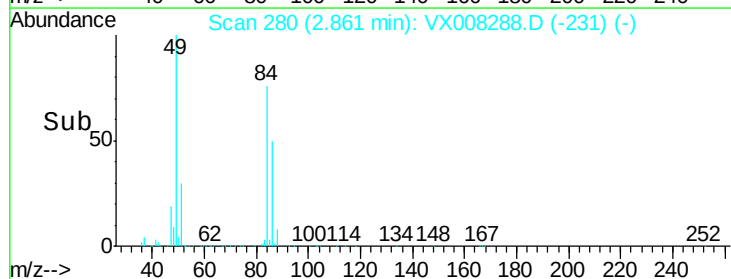
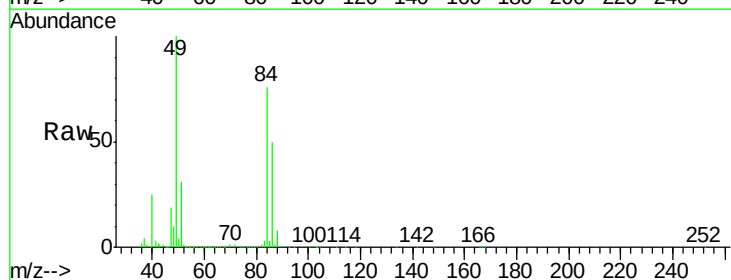
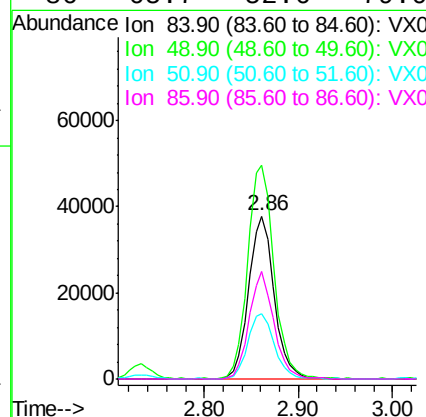
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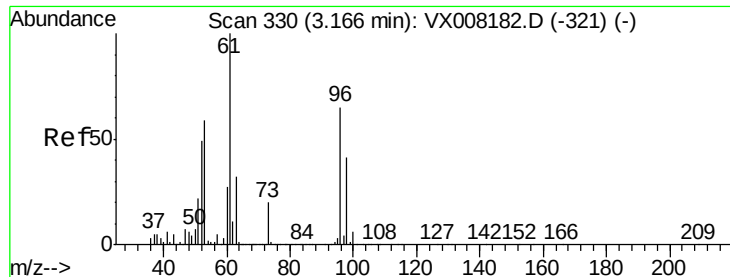
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#20
Methylene Chloride
Concen: 19.648 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.8	99.3	148.9
51	39.9	31.3	46.9
86	65.7	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 19.631 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

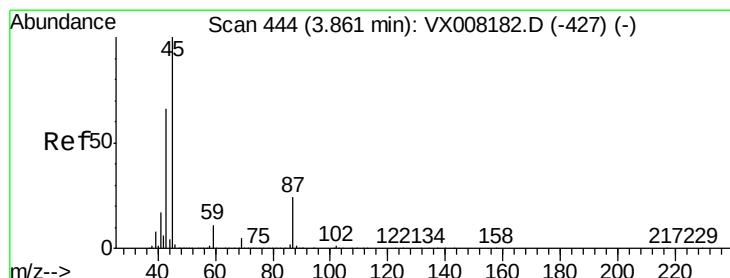
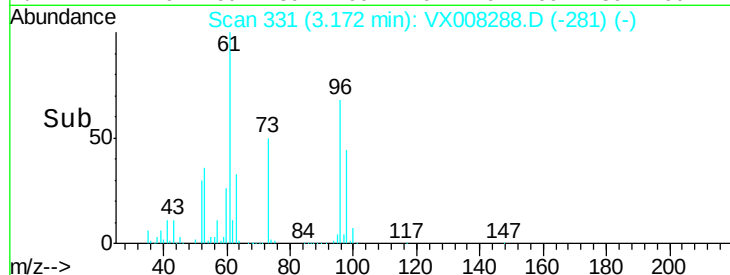
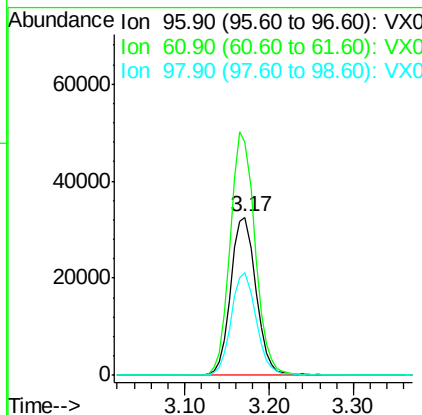
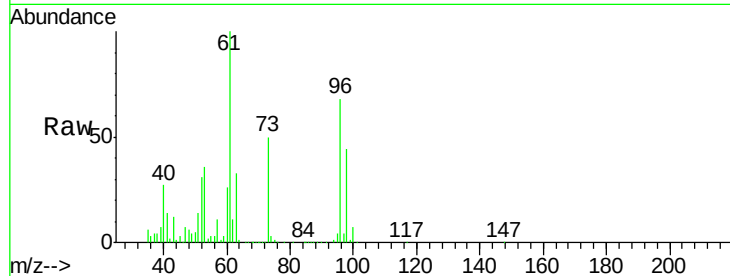
ClientSampleId :

VX0321WBSD01

Tot Ion:	96	Resp:	66107
Ion	Ratio	Lower	Upper
96	100		
61	147.1	114.4	171.6
98	64.5	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.311 ug/l

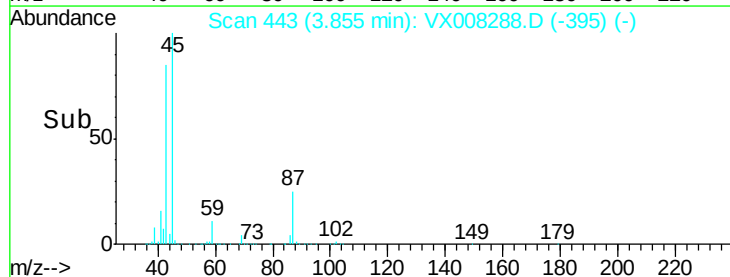
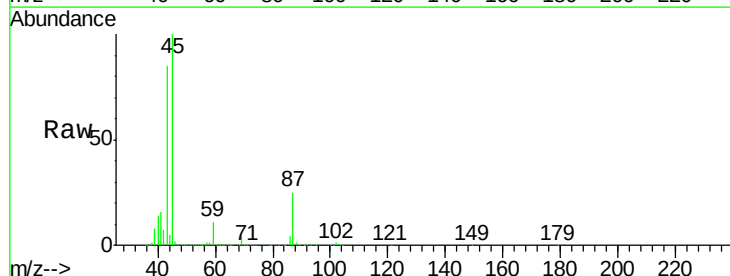
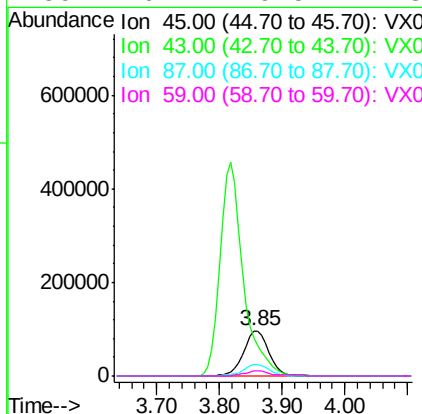
RT: 3.85 min Scan# 443

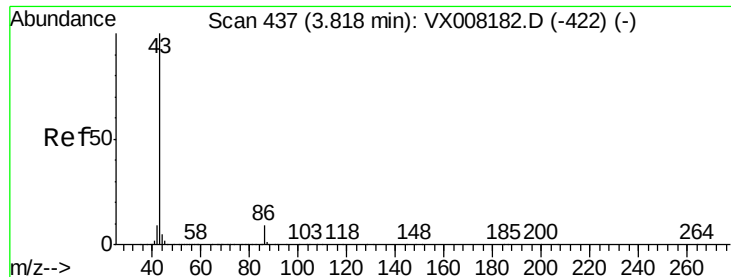
Delta R.T. -0.01 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Tgt Ion:	45	Resp:	269921
Ion	Ratio	Lower	Upper
45	100		
43	84.7	45.3	67.9#
87	24.7	21.4	32.0
59	10.7	9.5	14.3





#23

Vinyl Acetate

Concen: 103.043 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

ClientSampleID :

VX0321WBSD01

Tot Ion: 43 Resp: 1174050

Ion Ratio Lower Upper

43 100

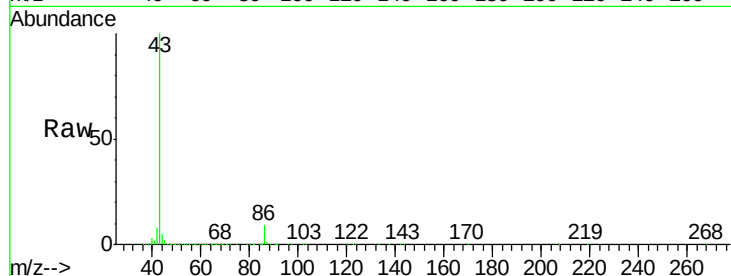
86 9.4 7.9 11.9

Manual Integrations

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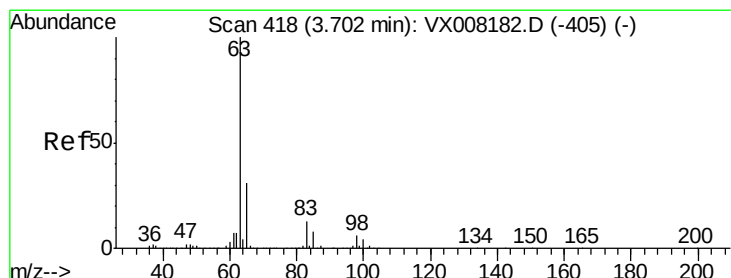
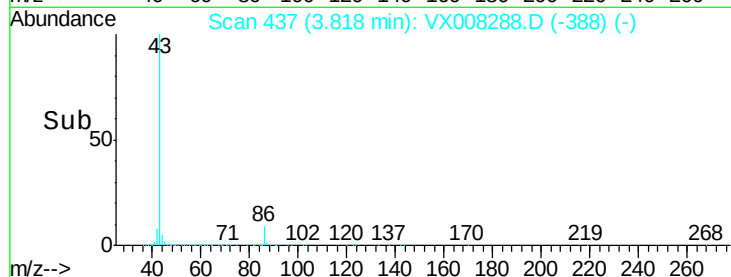
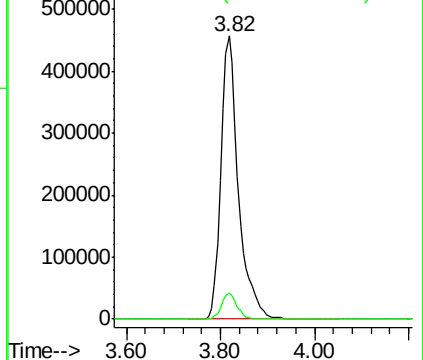
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.982 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

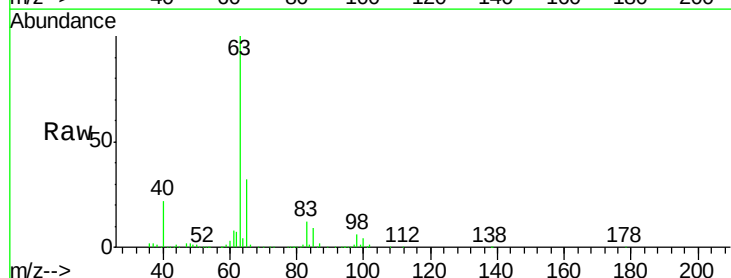
Tgt Ion: 63 Resp: 136582

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

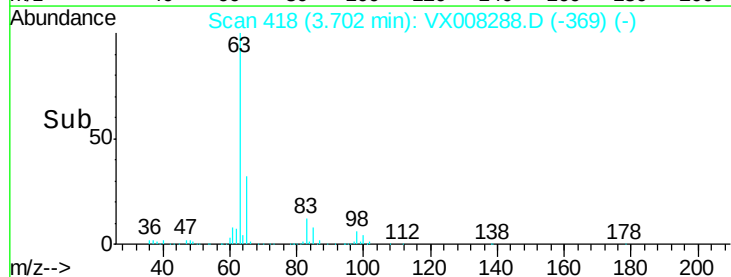
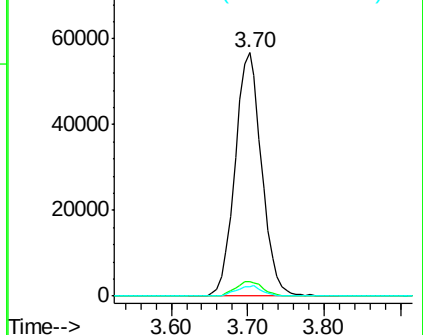
100 4.0 2.3 6.8

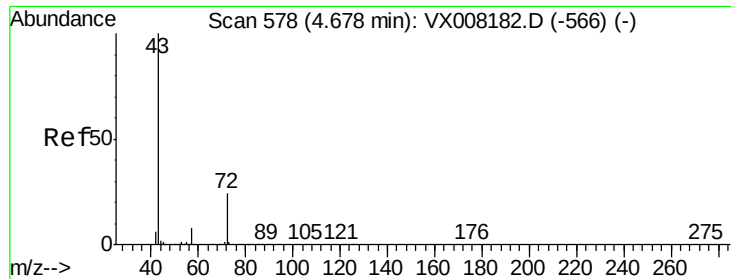


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 99.910 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD01

Tot Ion: 43 Resp: 323640

Ion Ratio Lower Upper

43 100

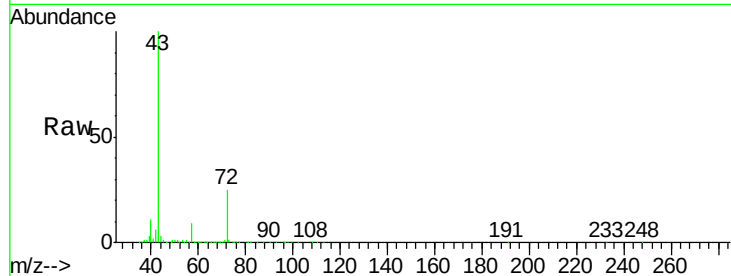
72 25.1 19.9 29.9

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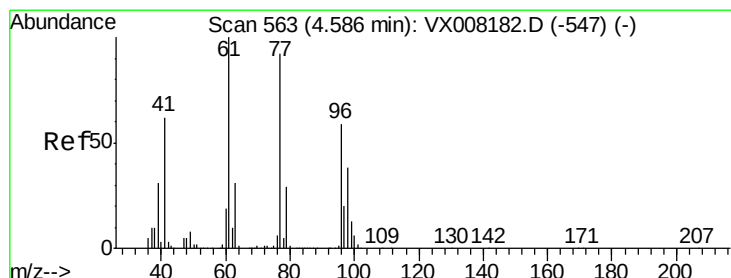
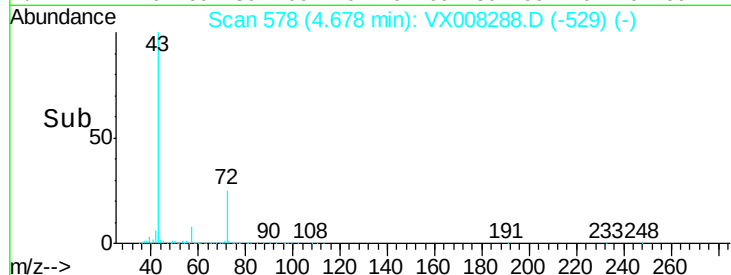
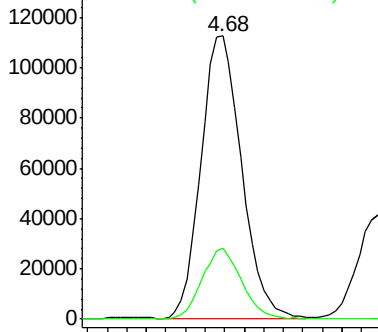
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.003 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008288.D

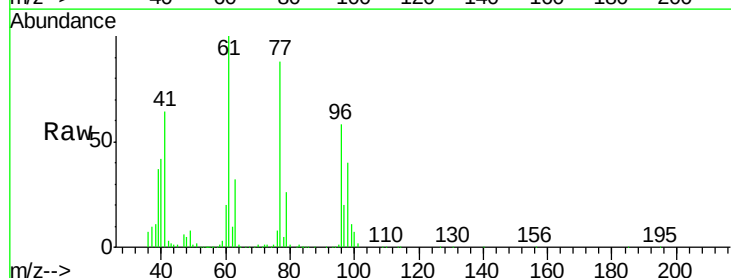
Acq: 21 Mar 2019 14:08

Tgt Ion: 77 Resp: 92700

Ion Ratio Lower Upper

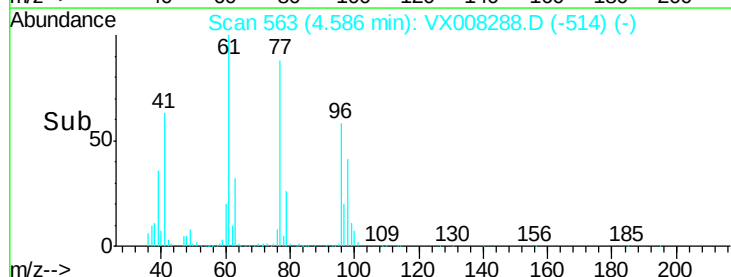
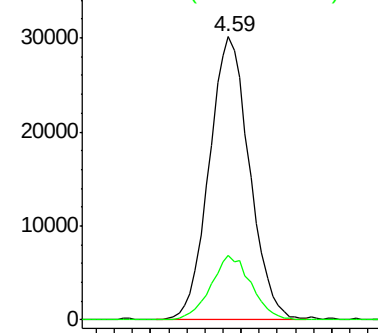
77 100

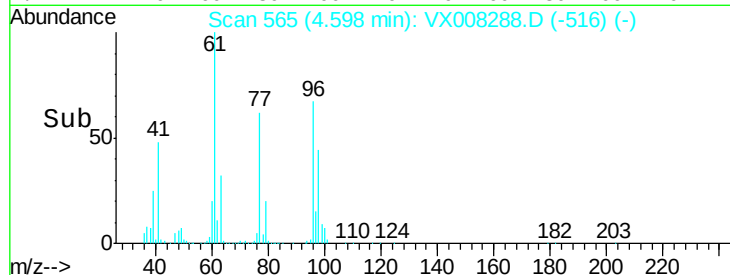
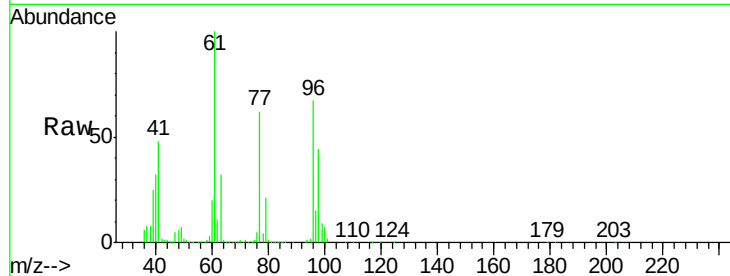
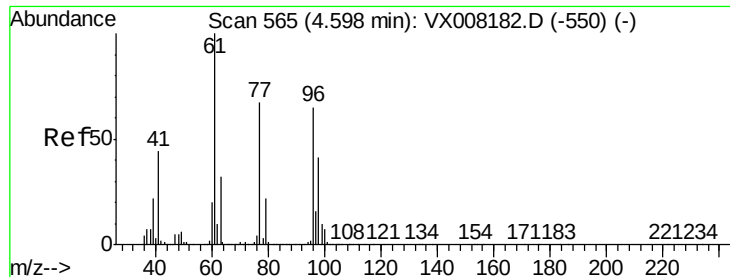
97 22.8 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

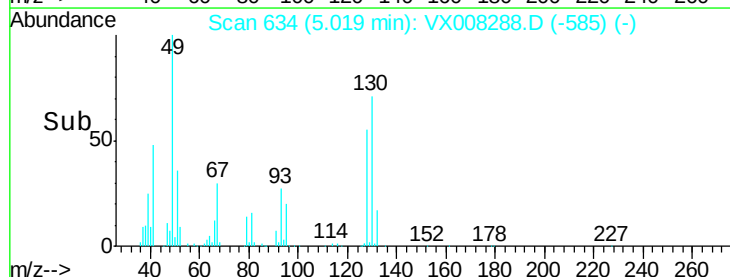
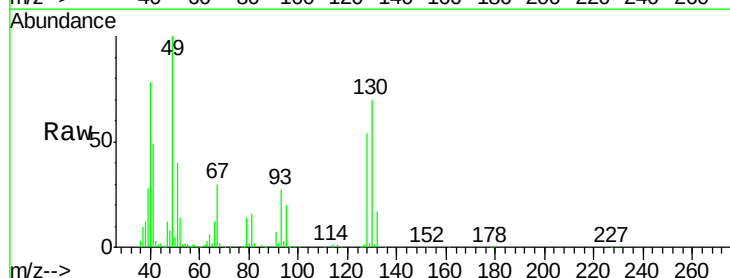
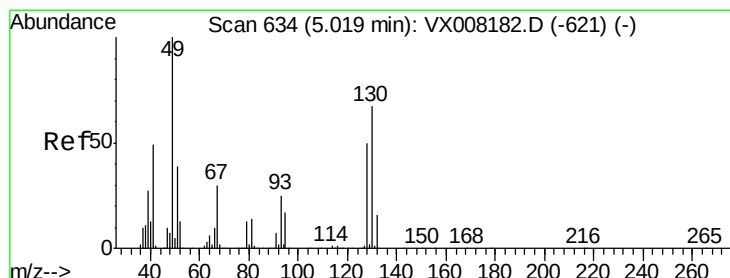
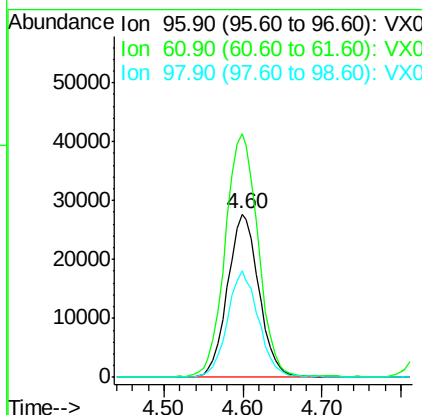
cis-1,2-Dichloroethene
Concen: 20.063 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tot Ion	Ratio	Resp	Lower	Upper
96	100	77019		
61	157.1		0.0	288.0
98	64.4		0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD01

Manual Integrations
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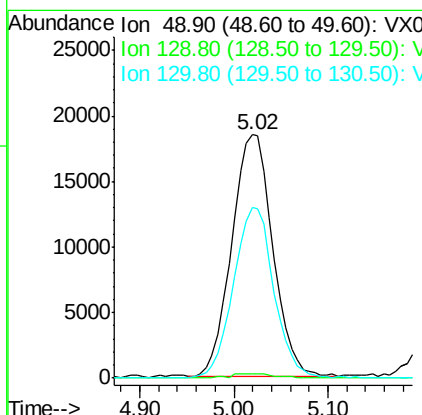
MMDadoda
3/22/2019 5:18:11 PM

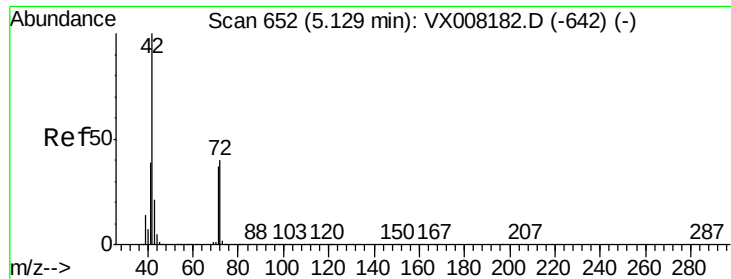


#28

Bromochloromethane
Concen: 18.414 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	56518		
129	2.0		0.0	4.0
130	69.0		65.0	97.4





#29

Tetrahydrofuran

Concen: 104.496 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

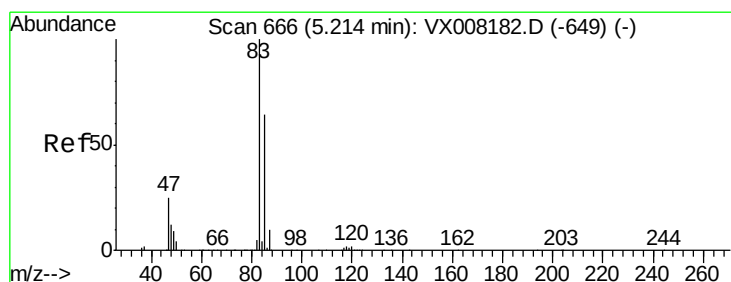
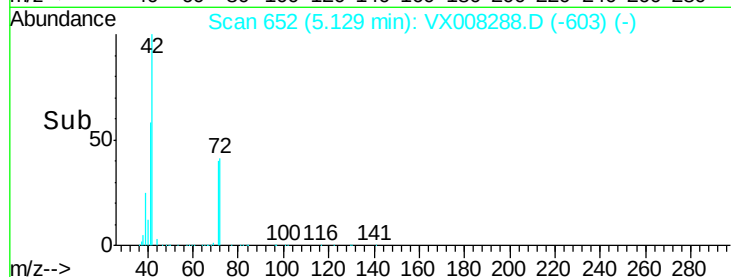
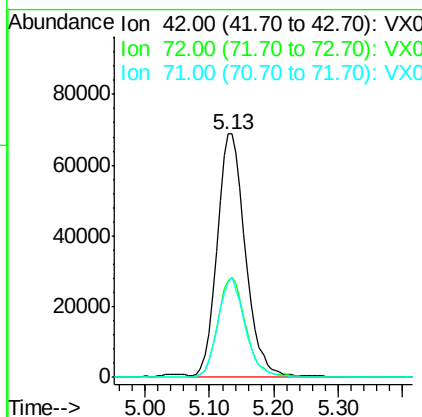
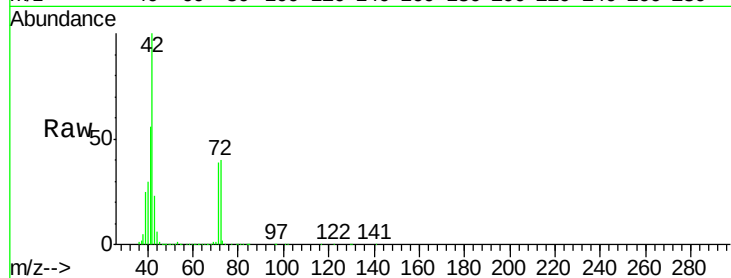
ClientSampleId :

VX0321WBSD01

Tot Ion:	42	Resp:	211603
Ion Ratio		Lower	Upper
42	100		
72	40.8	33.8	50.6
71	39.3	31.5	47.3

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#30

Chloroform

Concen: 20.421 ug/l

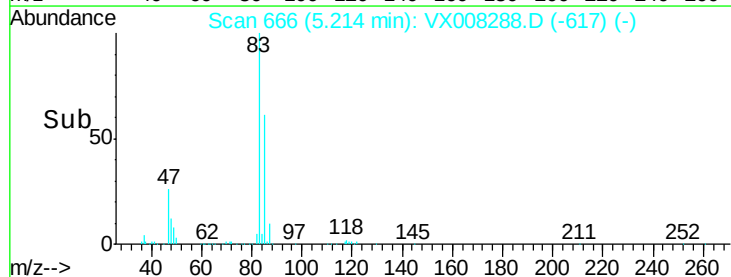
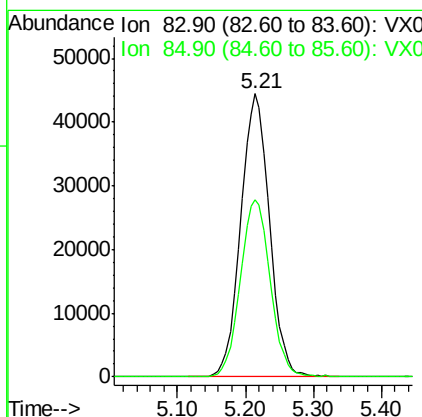
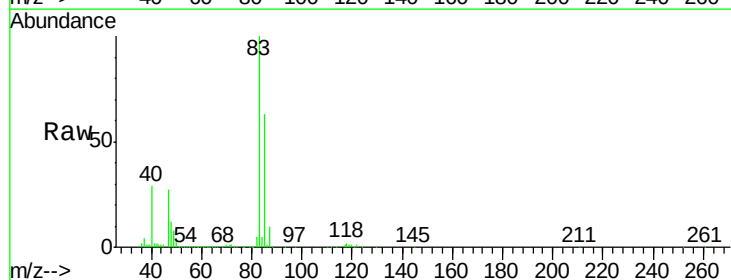
RT: 5.21 min Scan# 666

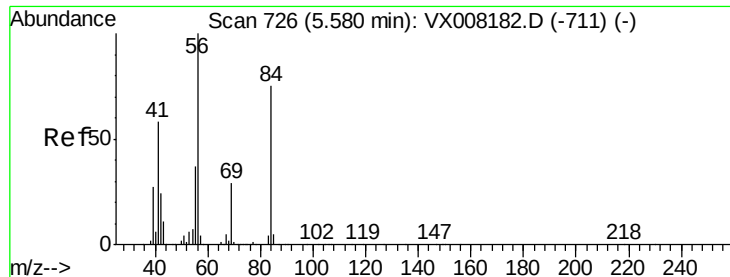
Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Tgt Ion:	83	Resp:	130567
Ion Ratio		Lower	Upper
83	100		
85	62.5	51.8	77.6





#31

Cyclohexane

Concen: 19.729 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

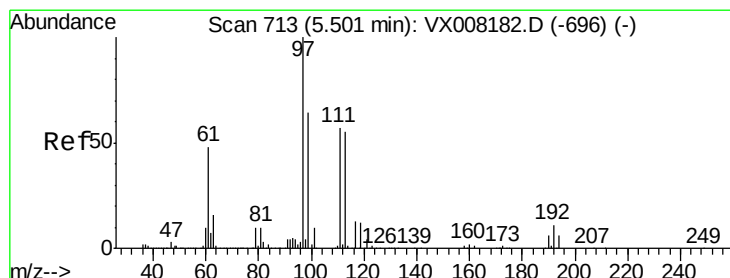
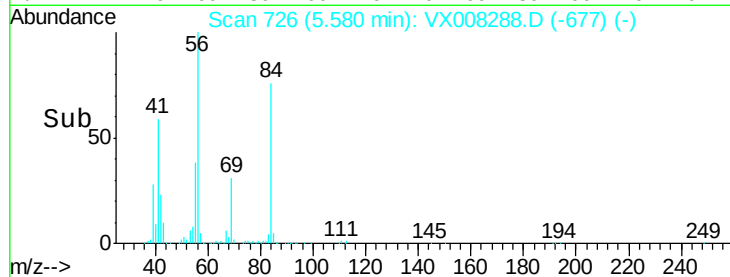
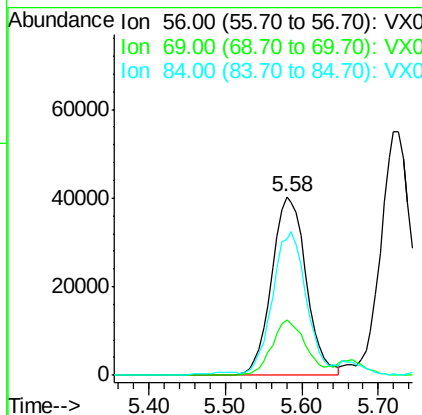
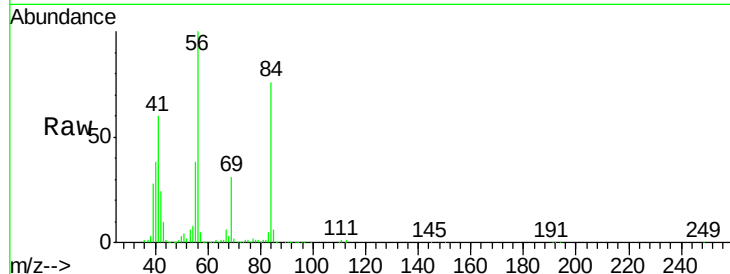
ClientSampled :

VX0321WBSD01

Tot Ion:	56	Resp:	126627
Ion Ratio		Lower	Upper
56	100		
69	31.0	24.0	36.0
84	75.9	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.294 ug/l

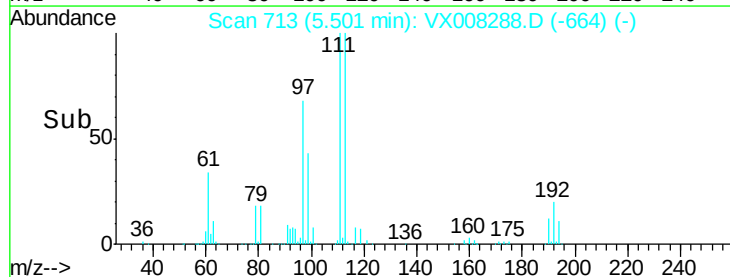
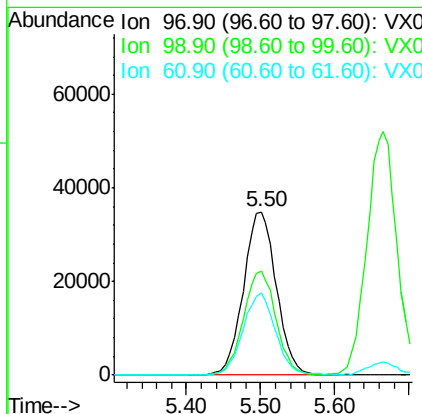
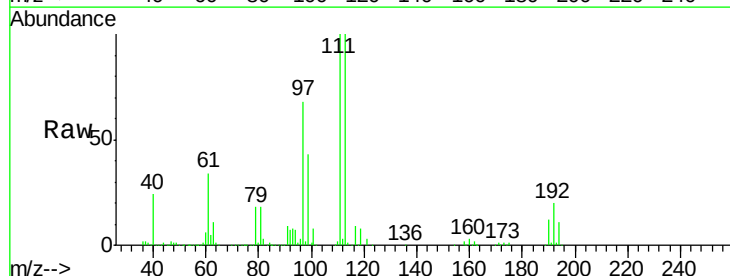
RT: 5.50 min Scan# 713

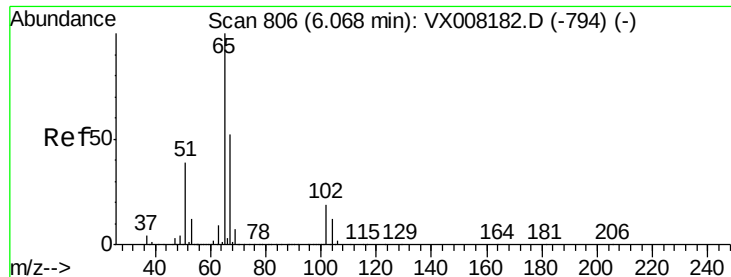
Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Tgt Ion:	97	Resp:	107937
Ion Ratio		Lower	Upper
97	100		
99	63.0	52.2	78.2
61	49.8	34.9	52.3





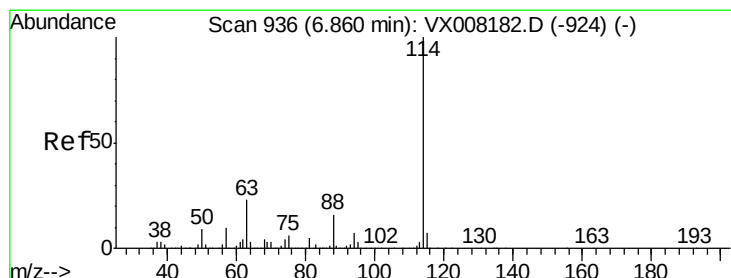
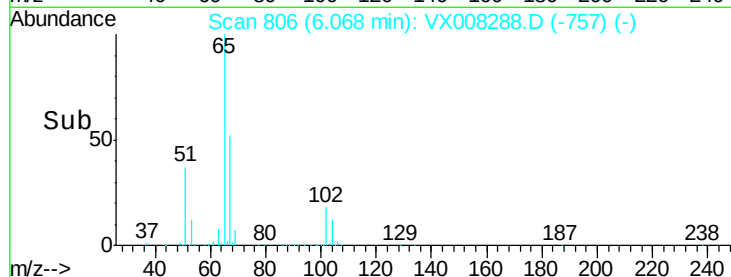
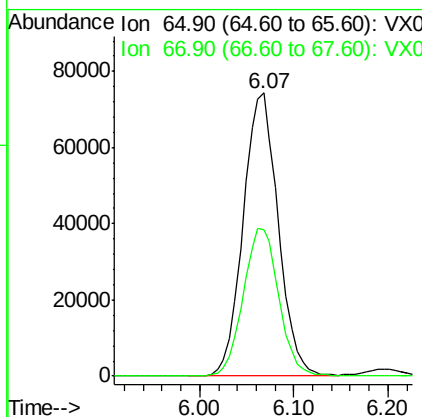
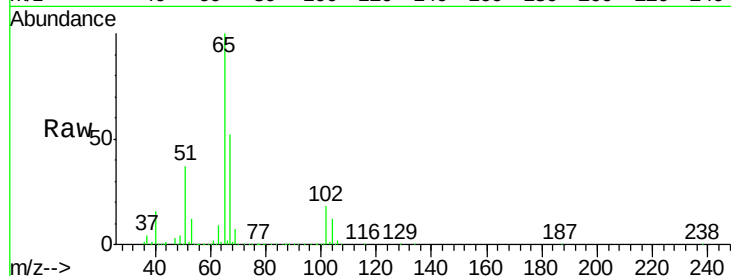
#33
 1,2-Dichloroethane-d4
 Concen: 49.603 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	191921		
67	52.7	0.0	110.0	

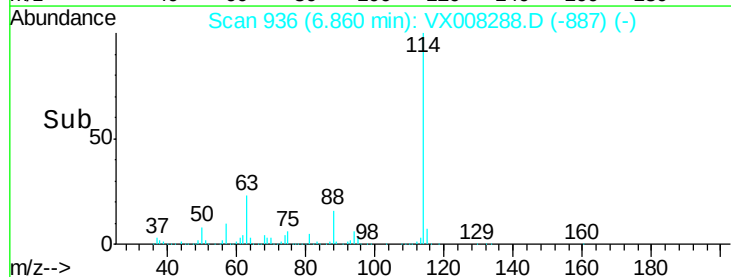
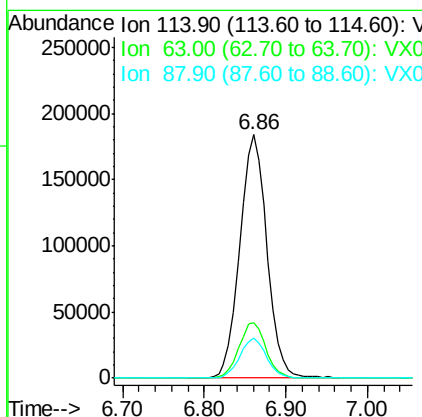
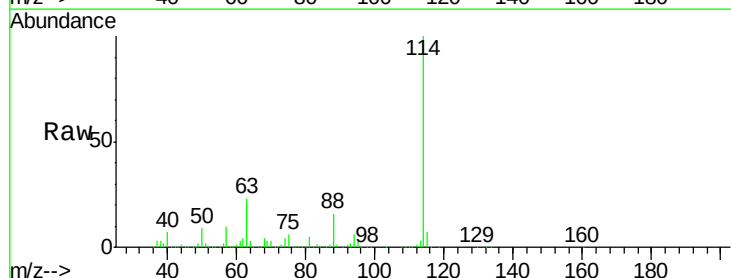
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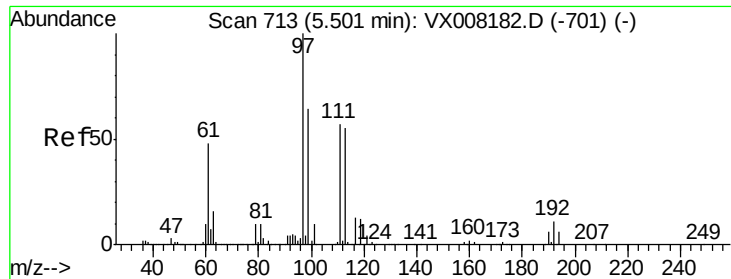
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	423105		
63	23.0	0.0	39.8	
88	16.3	0.0	31.4	





#35

Dibromofluoromethane

Concen: 52.253 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

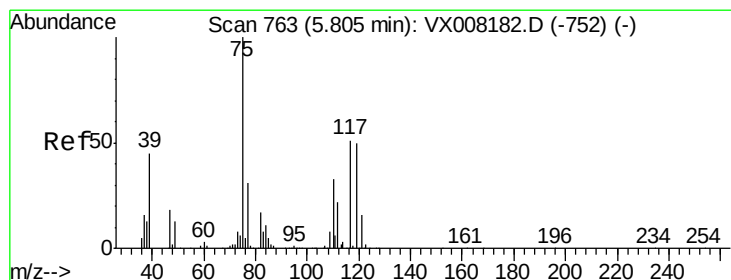
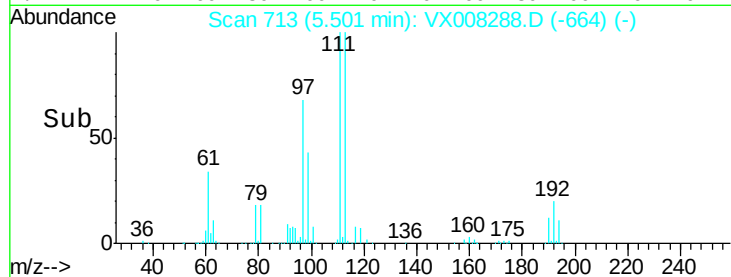
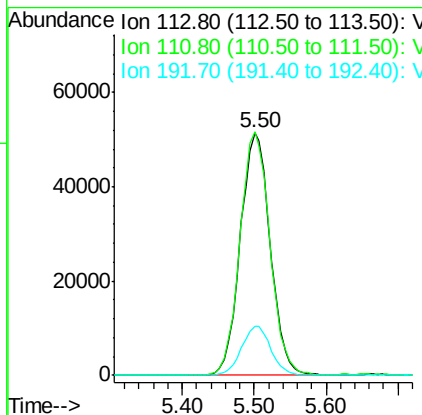
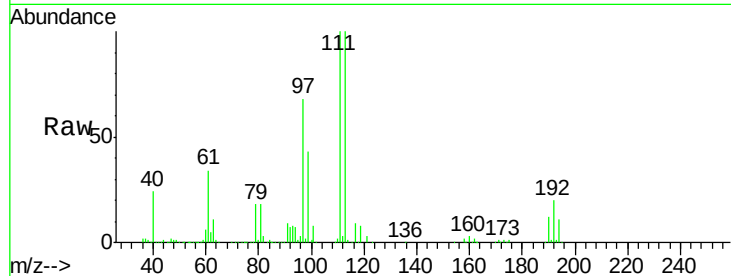
ClientSampled :

VX0321WBSD01

Tot Ion:	113	Resp:	148002
Ion Ratio	Lower	Upper	
113	100		
111	100.7	81.4	122.0
192	20.2	19.4	29.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.610 ug/l

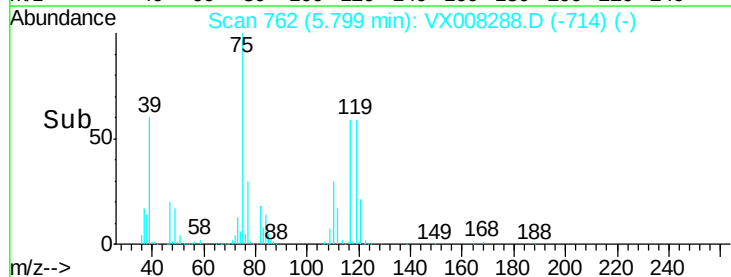
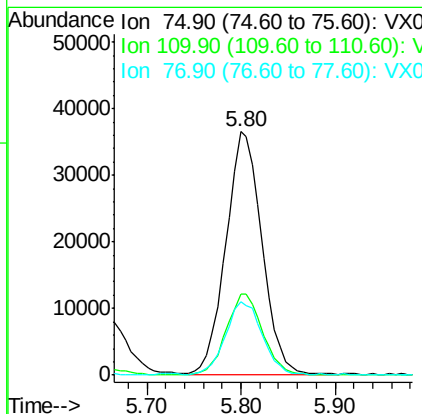
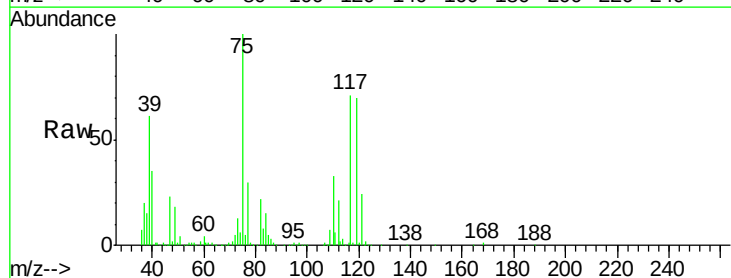
RT: 5.80 min Scan# 762

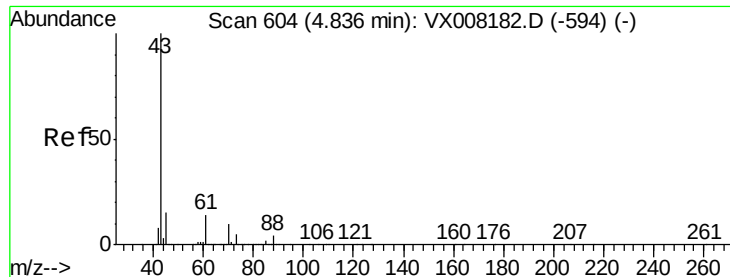
Delta R.T. -0.01 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Tgt Ion:	75	Resp:	96601
Ion Ratio	Lower	Upper	
75	100		
110	34.3	18.4	55.0
77	30.6	25.0	37.4





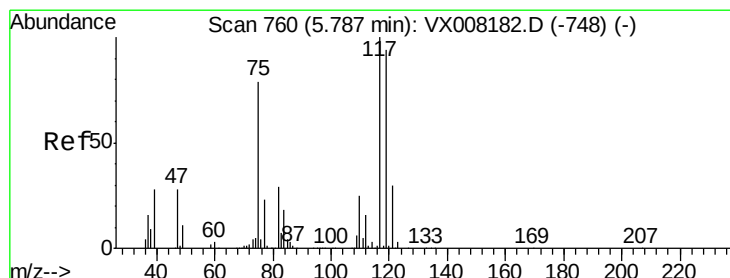
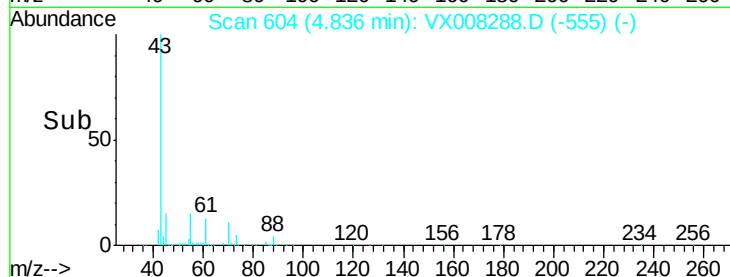
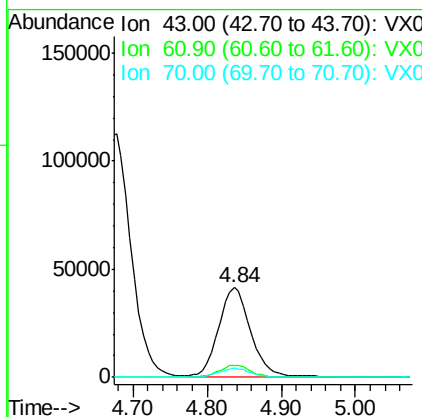
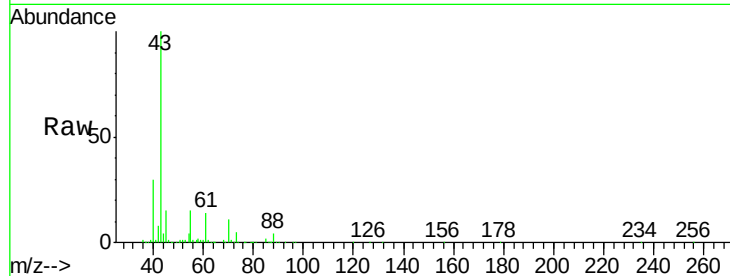
#37
Ethyl Acetate
Concen: 21.031 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.3	16.9
70	10.3	8.5	12.7

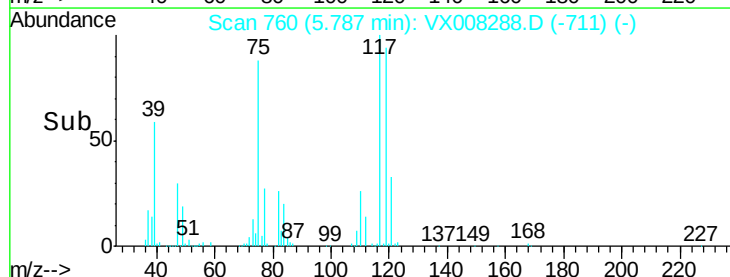
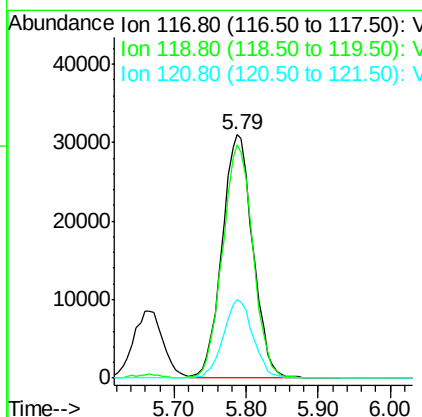
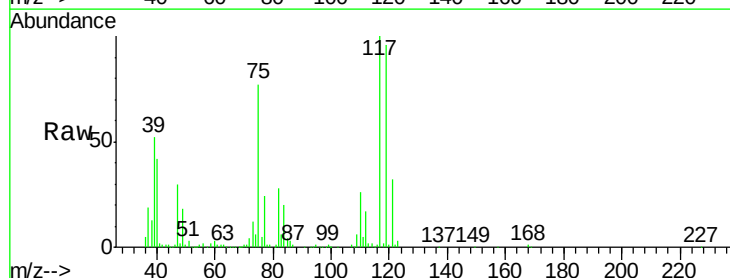
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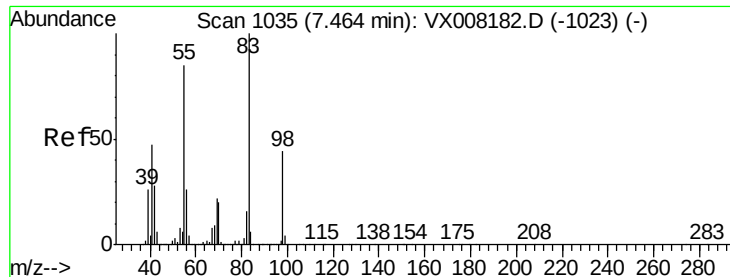
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#38
Carbon Tetrachloride
Concen: 21.027 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.2	114.2
121	32.0	24.6	36.8





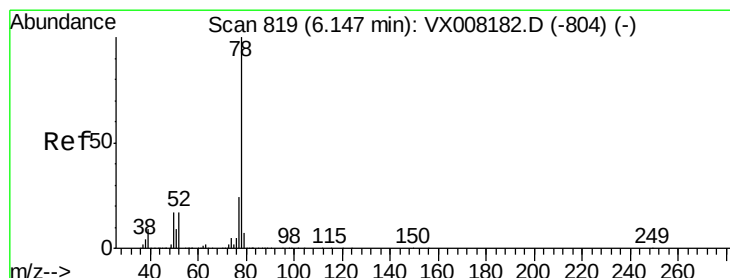
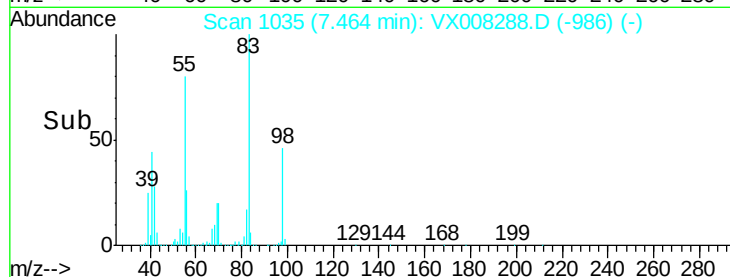
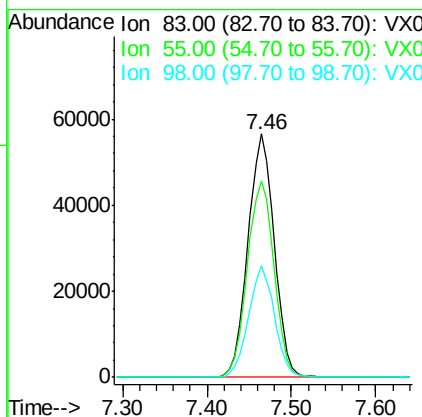
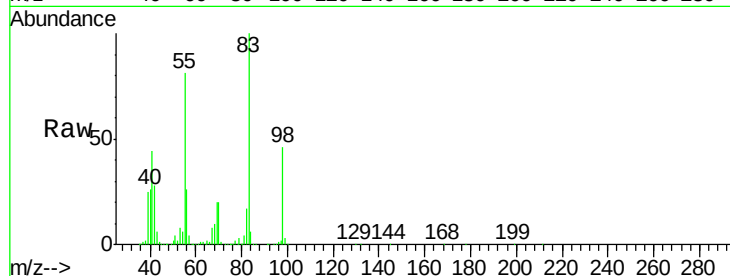
#39
Methylvlcyclohexane
Concen: 20.074 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.3	60.4	90.6
98	46.0	36.5	54.7

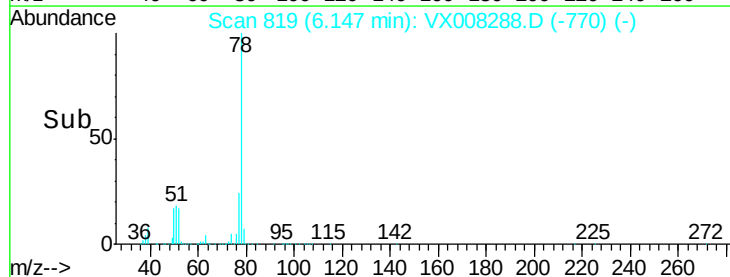
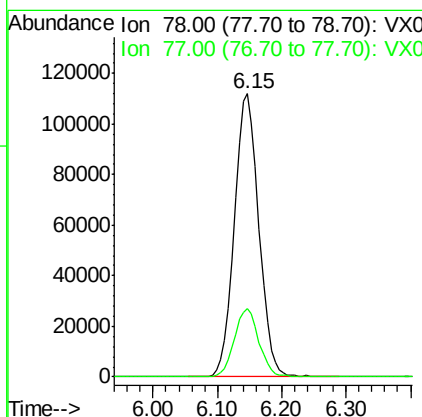
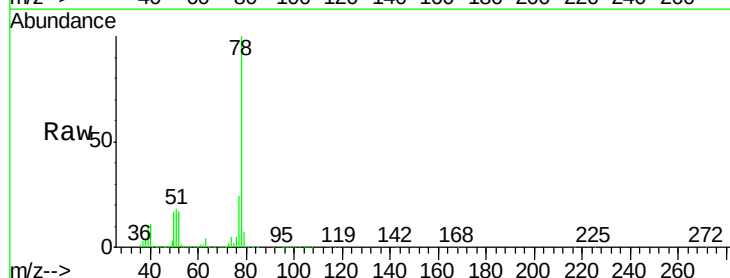
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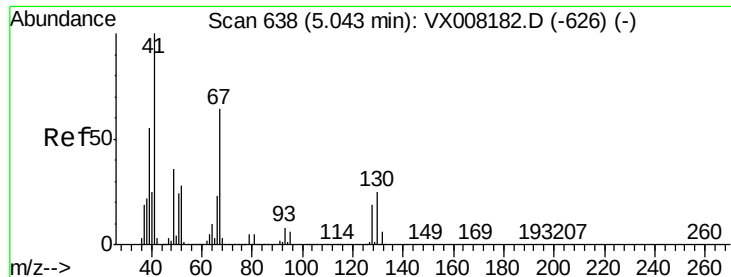
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#40
Benzene
Concen: 20.331 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4





#41

Methacrylonitrile

Concen: 20.777 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

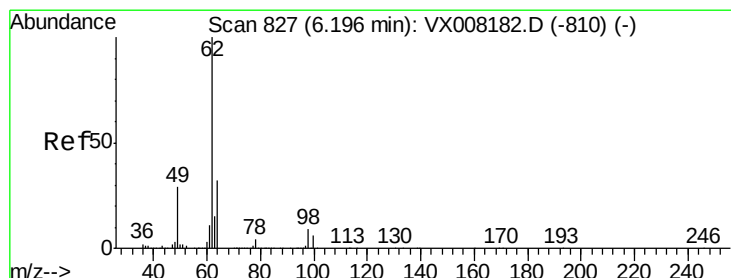
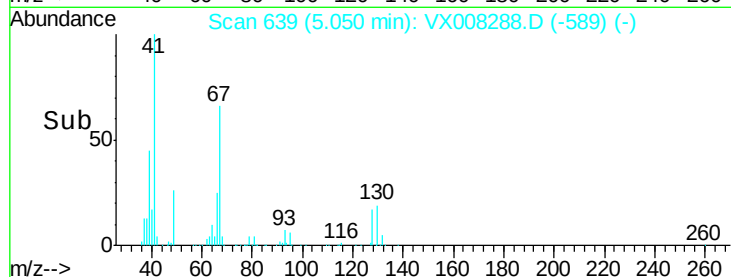
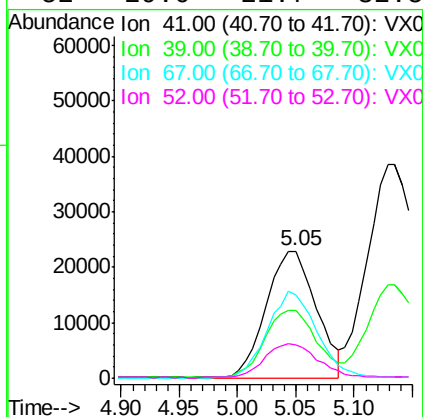
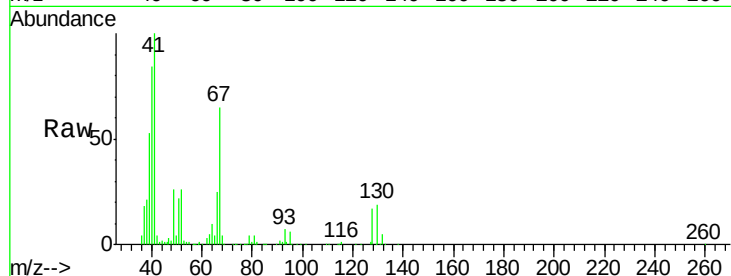
ClientSampleId :

VX0321WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	41.6	62.4	
67	69.0	55.8	83.6	
52	29.0	21.7	32.5	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.405 ug/l

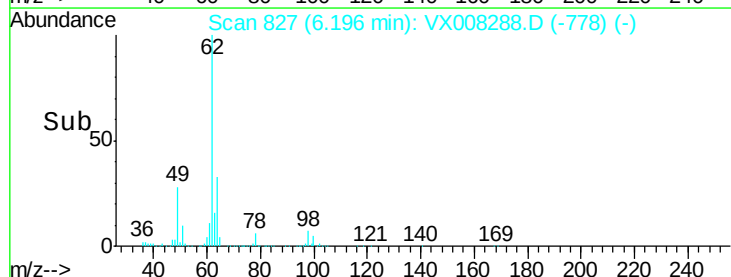
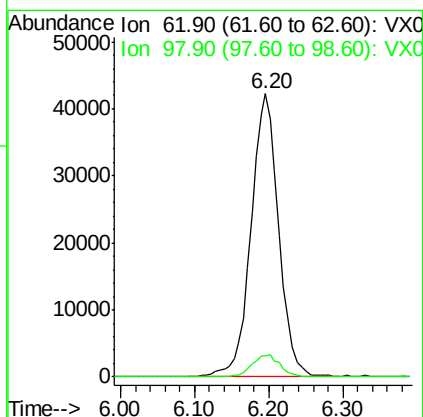
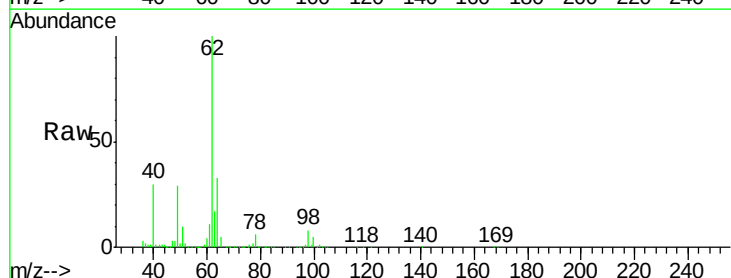
RT: 6.20 min Scan# 827

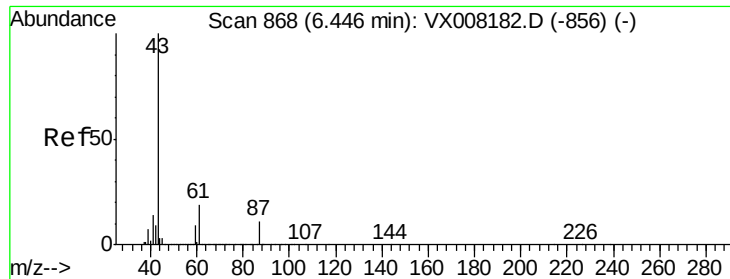
Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	20.4	





#43

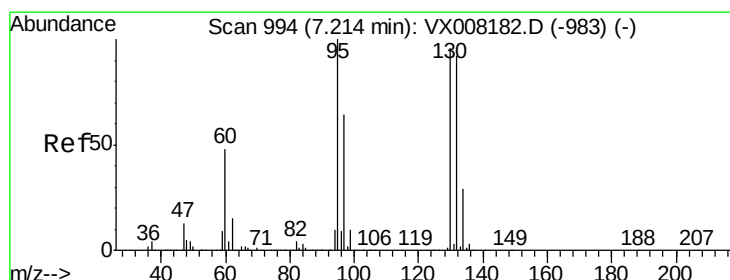
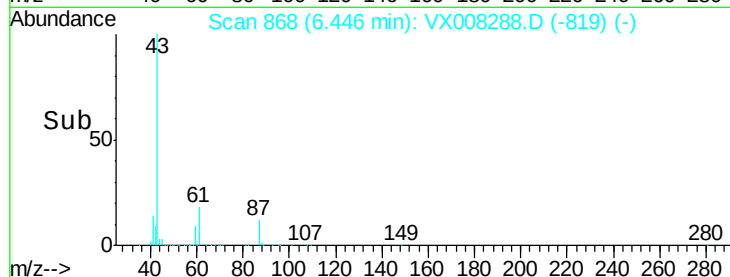
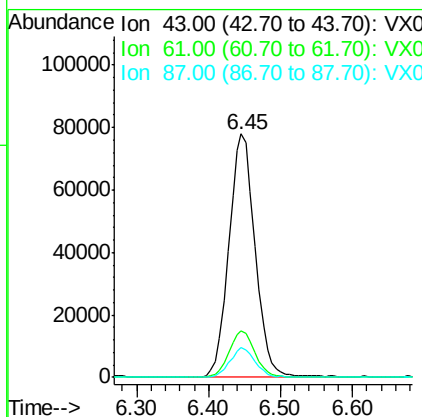
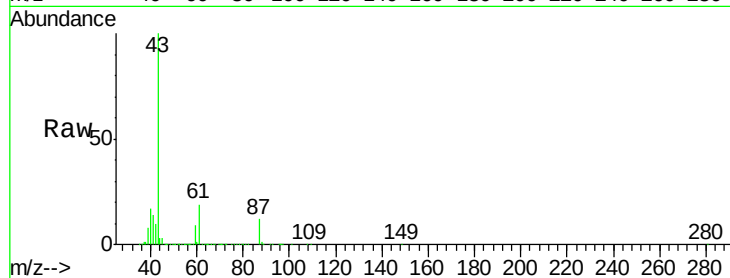
Isopropyl Acetate
 Concen: 21.033 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		196314		
61	19.0	16.3		24.5	
87	11.9	10.5		15.7	

Manual Integrations
 APPROVED

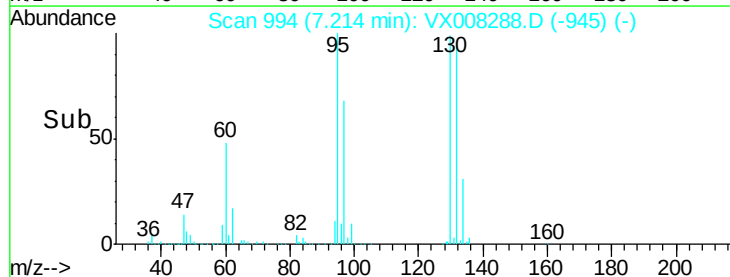
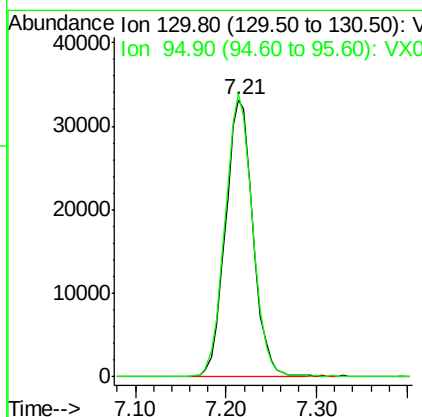
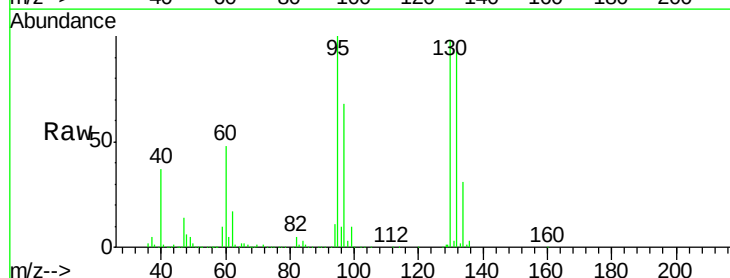
MMDadoda
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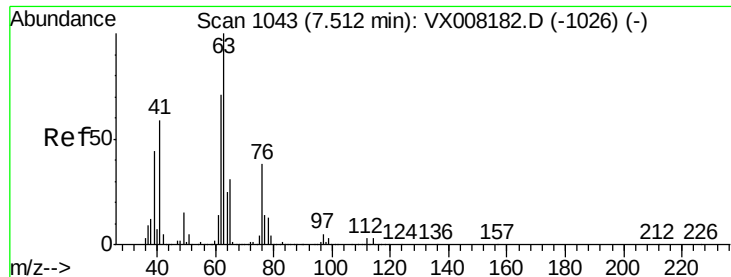


#44

Trichloroethene
 Concen: 19.851 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
130	100		70770		
95	102.0	0.0		188.0	





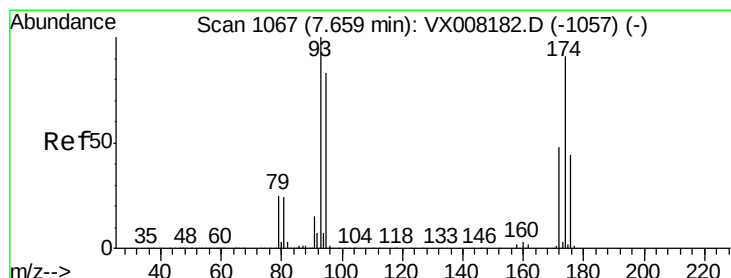
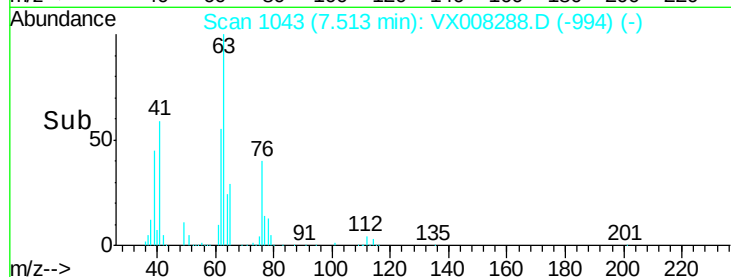
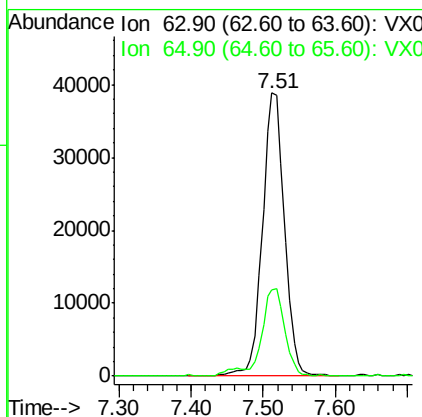
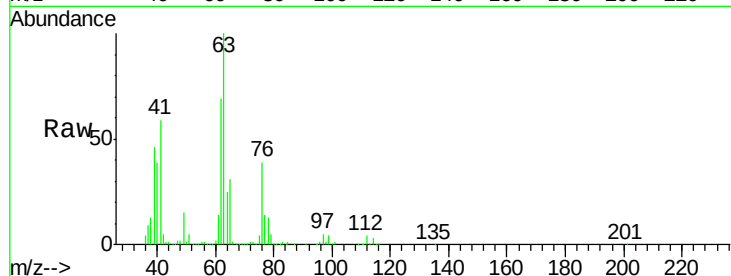
#45
 1,2-Dichloropropane
 Concen: 20.185 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD01

Tot Ion: 63 Resp: 82387
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.7 37.1

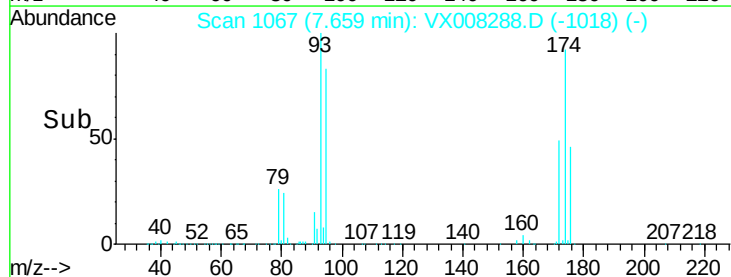
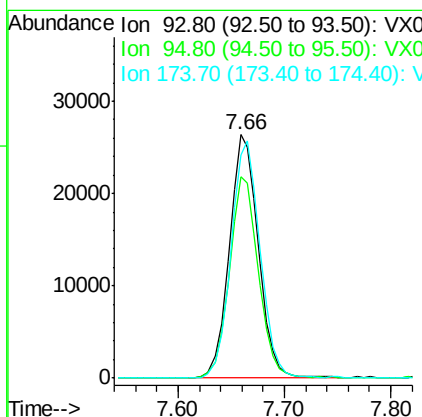
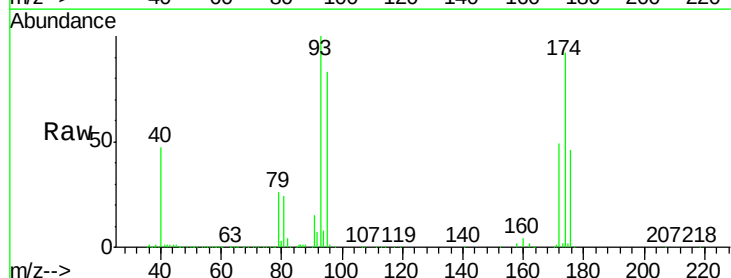
Manual Integrations
 APPROVED

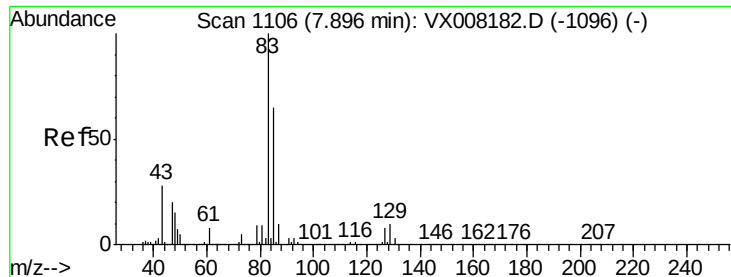
MMDadoda
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#46
 Dibromomethane
 Concen: 20.393 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Tgt Ion: 93 Resp: 50395
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.8 100.2
 174 97.7 97.3 145.9





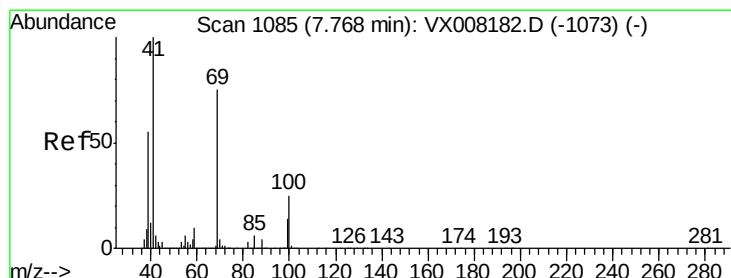
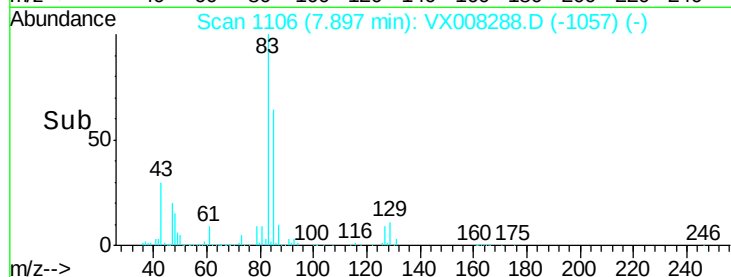
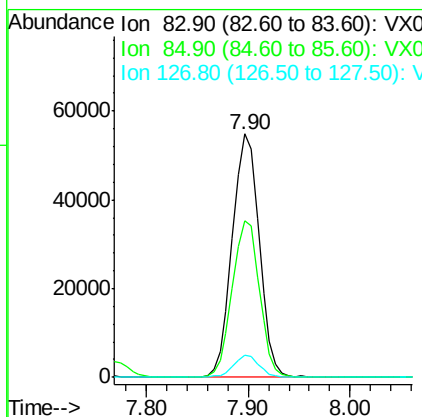
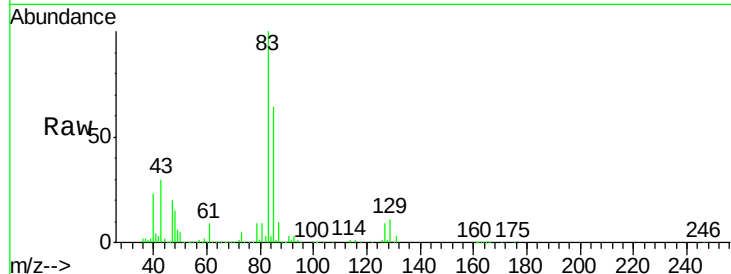
#47
Bromodichloromethane
Concen: 21.335 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD01

Tot Ion	83	Resp	100479
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	50.9	76.3
127	9.1	7.4	11.0

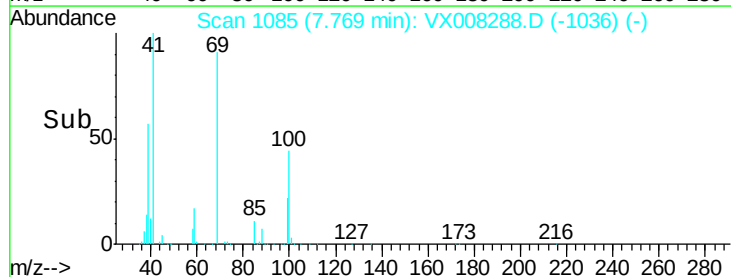
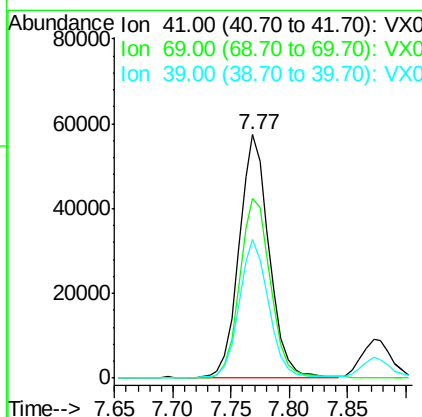
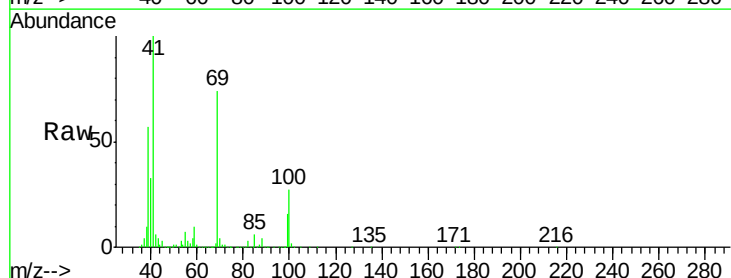
Manual Integrations
APPROVED

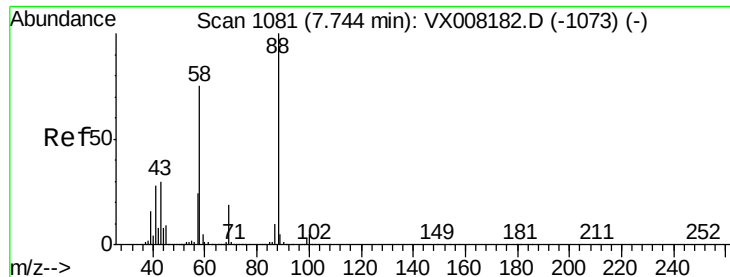
MMDadoda
3/22/2019 5:18:11 PM



#48
Methyl methacrylate
Concen: 20.646 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tgt Ion	41	Resp	102465
Ion Ratio	100	Lower	Upper
41	100		
69	76.8	65.2	97.8
39	55.6	39.4	59.2





#49

1,4-Dioxane

Concen: 422.545 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

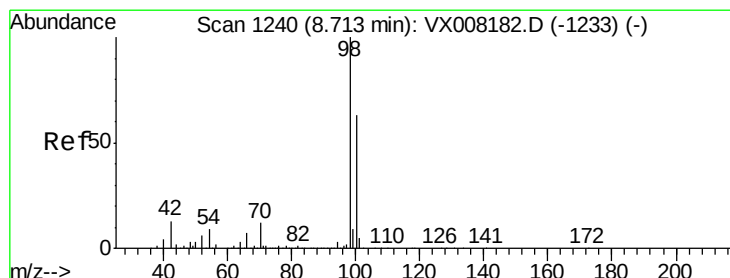
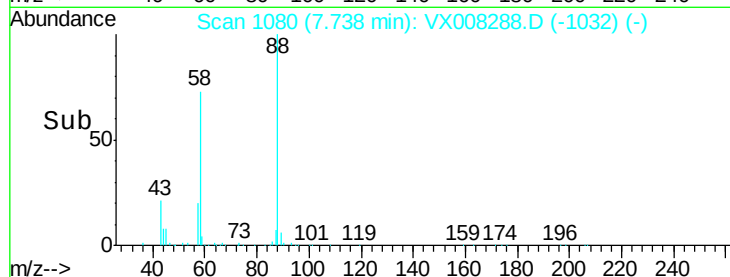
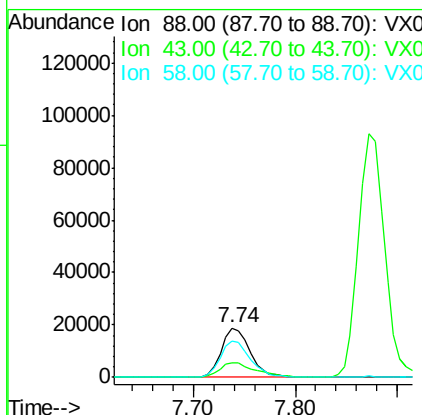
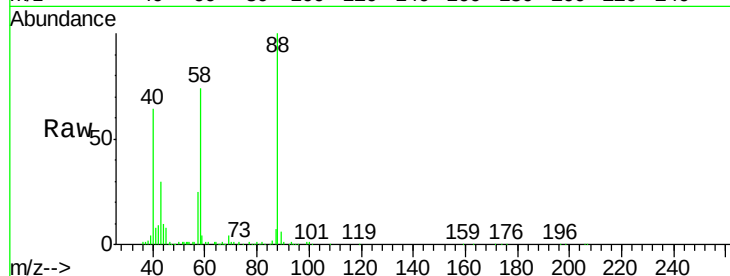
ClientSampleId :

VX0321WBSD01

Tot Ion:	88	Resp:	37006
Ion	Ratio	Lower	Upper
88	100		
43	35.2	25.1	37.7
58	76.7	57.8	86.6

Manual Integrations
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#50

Toluene-d8

Concen: 51.585 ug/l

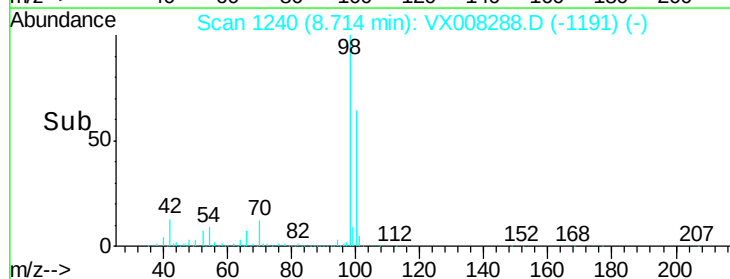
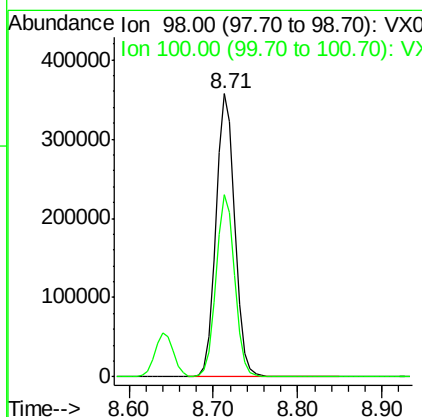
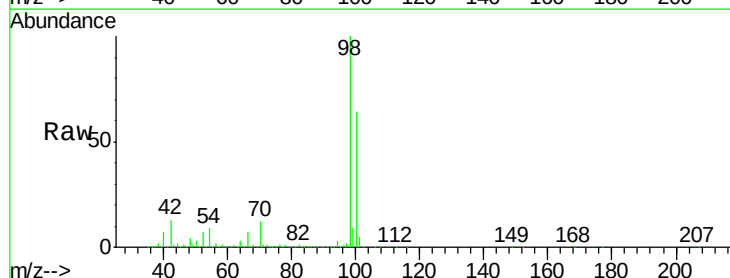
RT: 8.71 min Scan# 1240

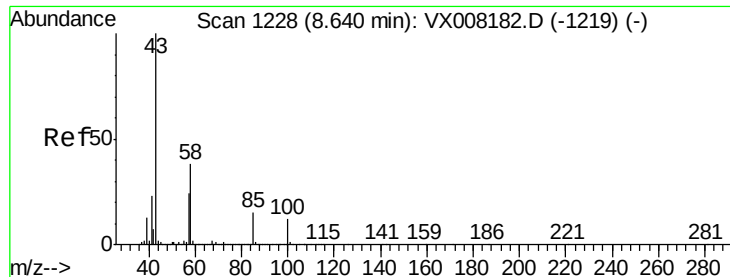
Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Tgt Ion:	98	Resp:	553955
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.7	77.5





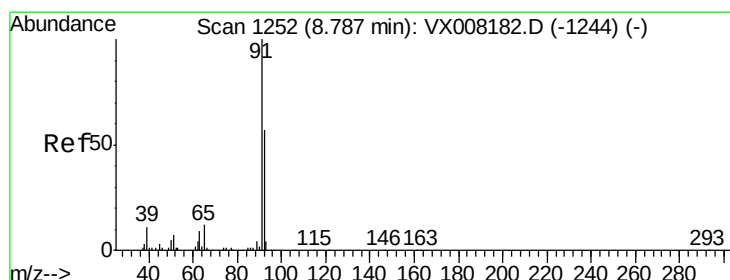
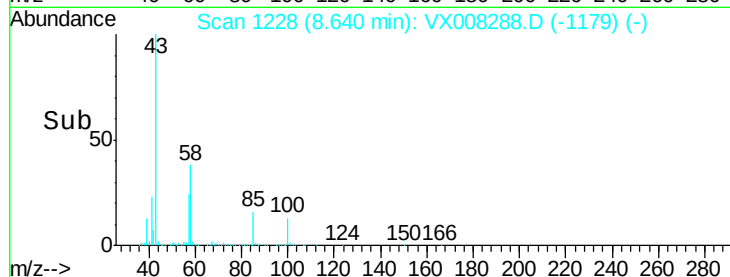
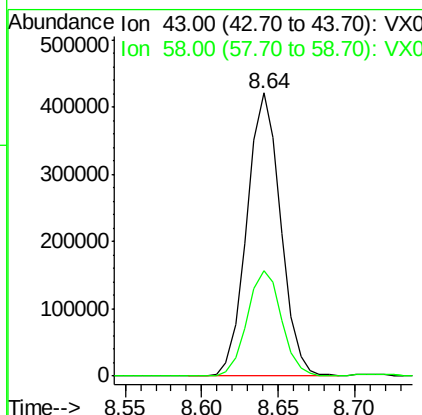
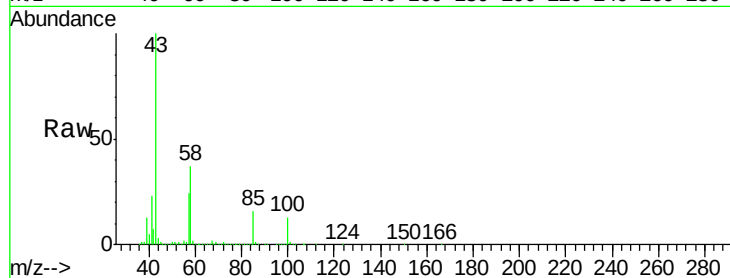
#51
 4-Methyl-2-Pentanone
 Concen: 106.953 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	31.3	46.9

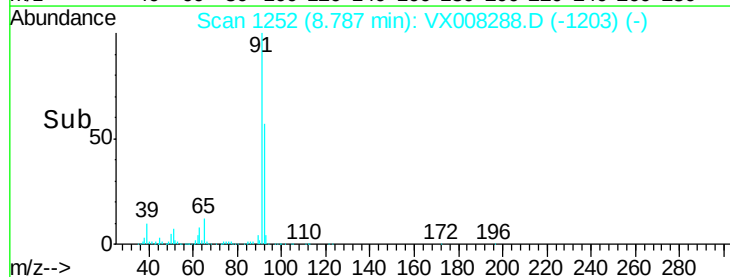
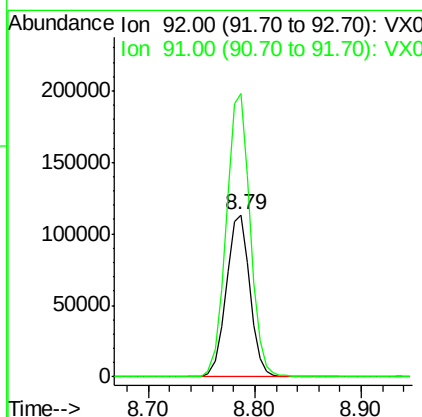
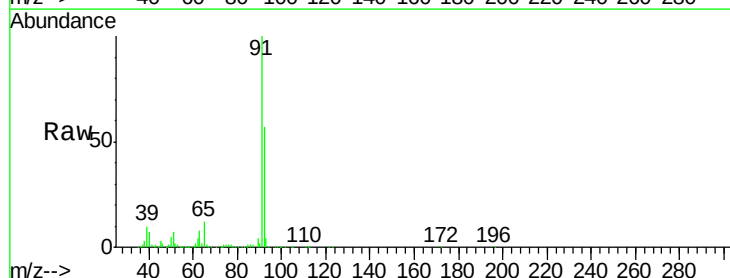
Manual Integrations
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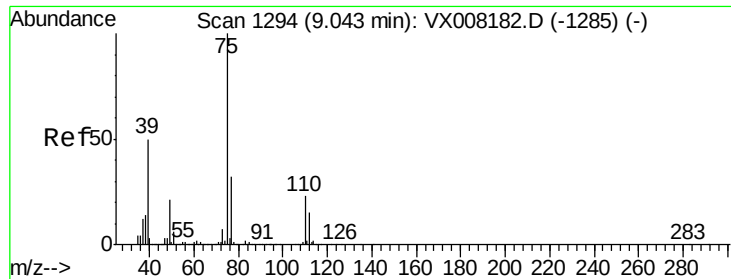
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#52
 Toluene
 Concen: 20.342 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.0	137.4	206.0





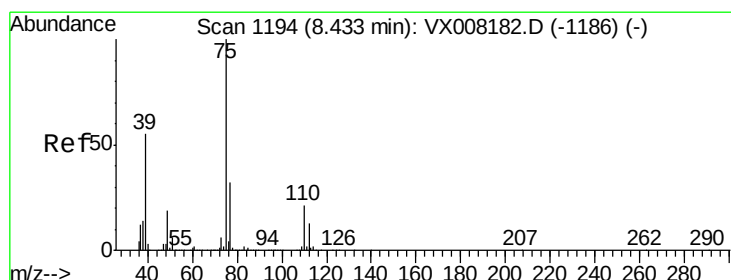
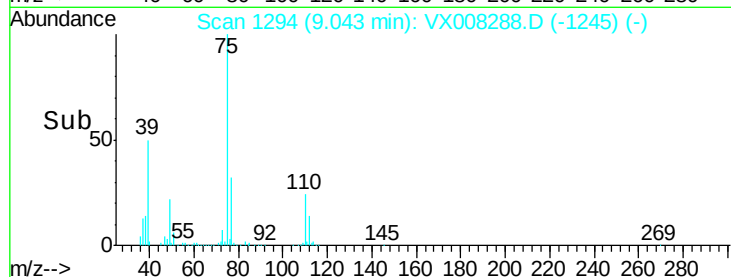
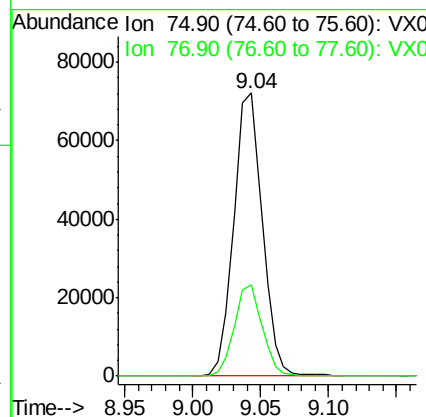
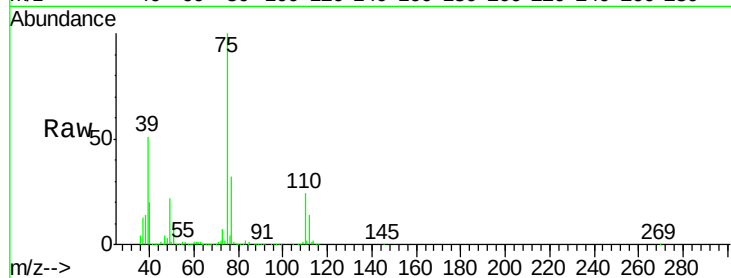
#53
t-1,3-Dichloropropene
Concen: 18.867 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0

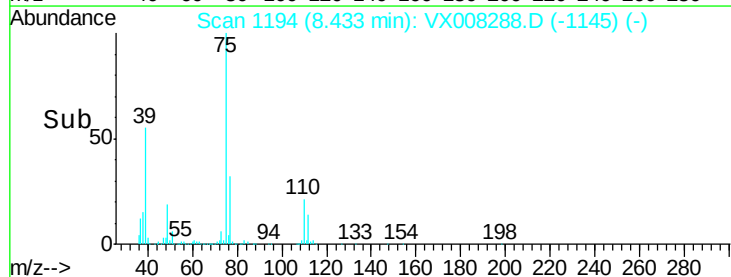
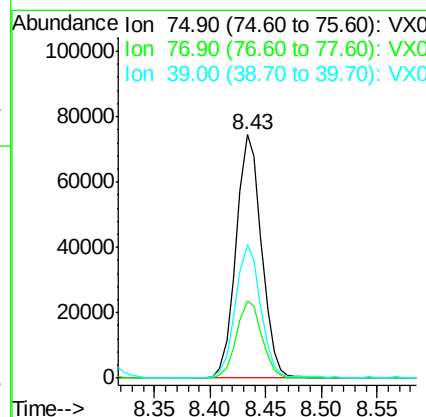
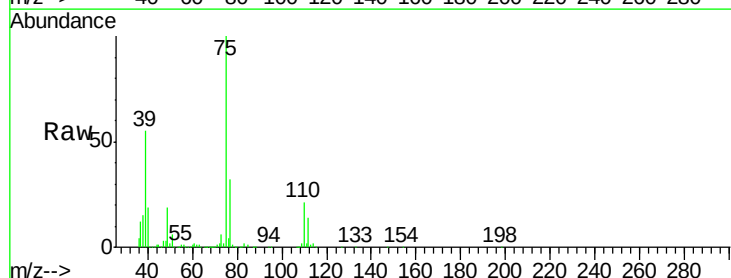
Manual Integrations
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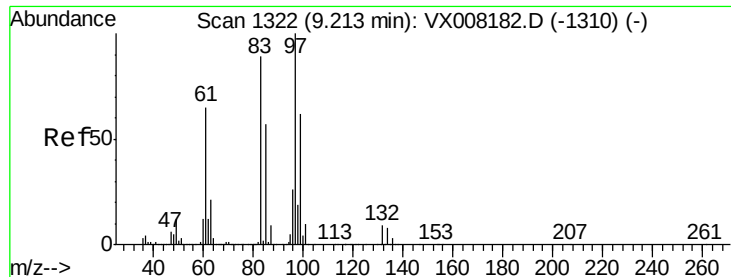
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#54
cis-1,3-Dichloropropene
Concen: 20.215 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6
39	54.7	36.6	54.8





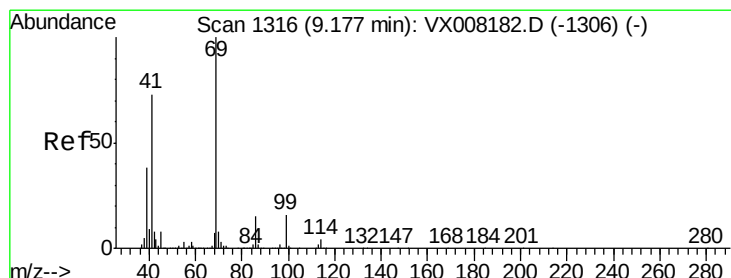
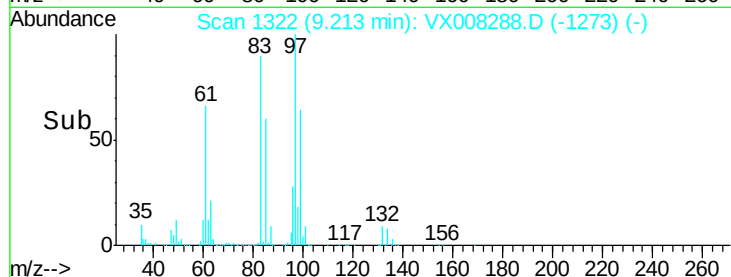
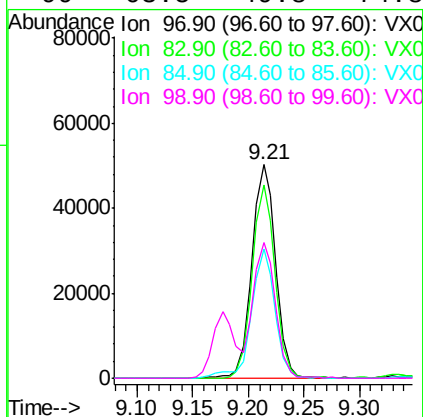
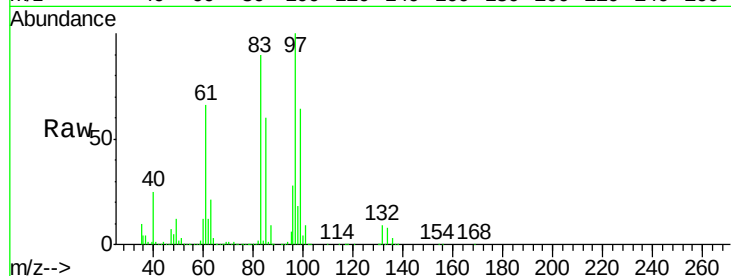
#55
 1,1,2-Trichloroethane
 Concen: 21.334 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.2	69.1	103.7
85	60.2	44.3	66.5
99	63.5	49.8	74.8

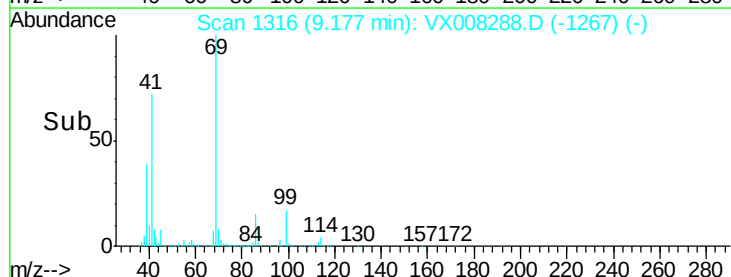
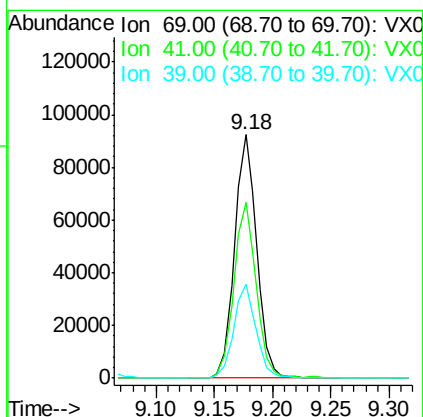
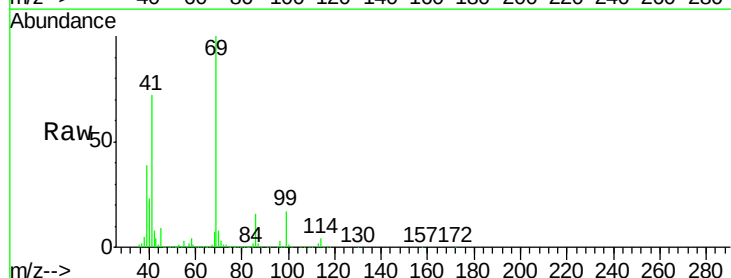
Manual Integrations
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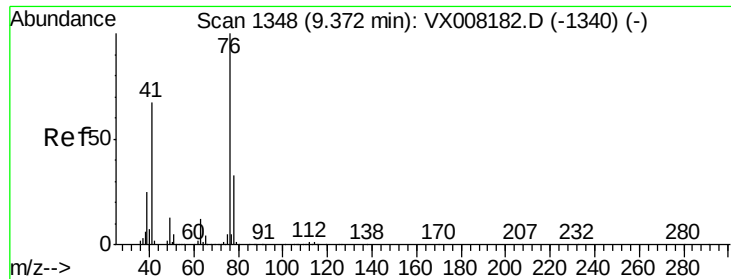
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#56
 Ethyl methacrylate
 Concen: 20.312 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.8	54.2	81.4
39	38.4	25.0	37.4#





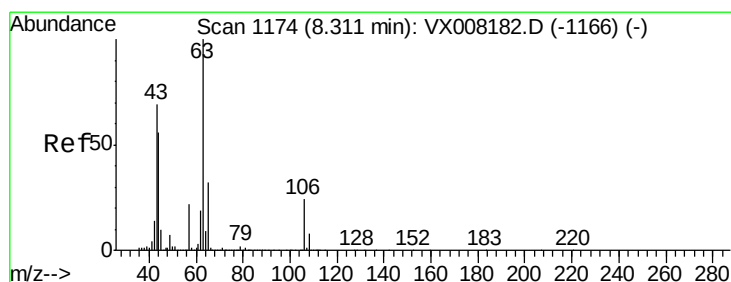
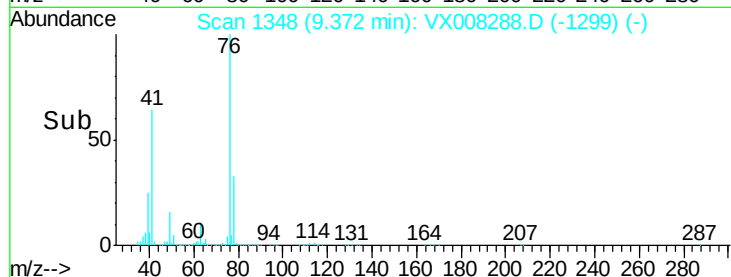
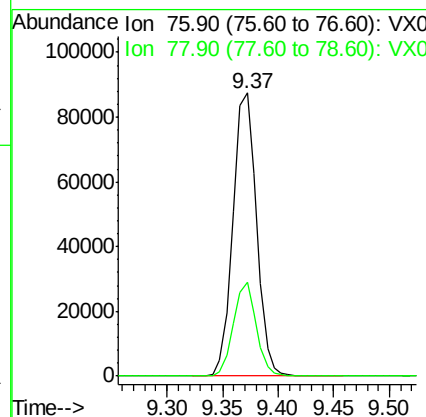
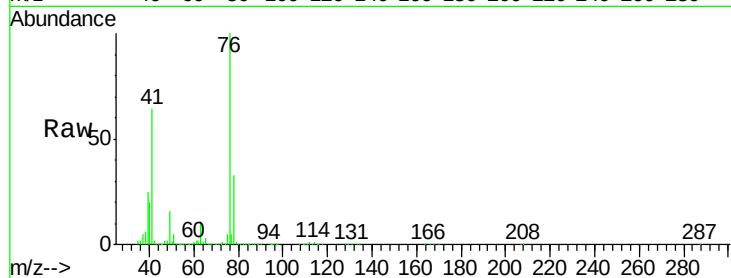
#57
 1,3-Dichloropropane
 Concen: 20.860 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

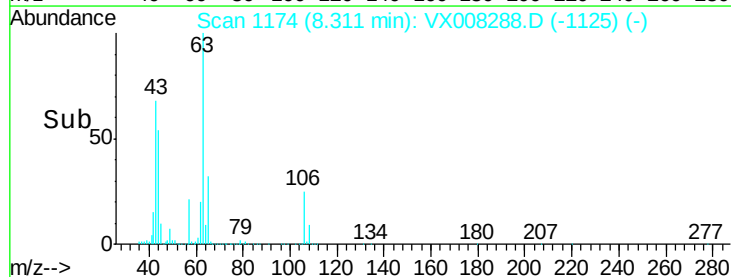
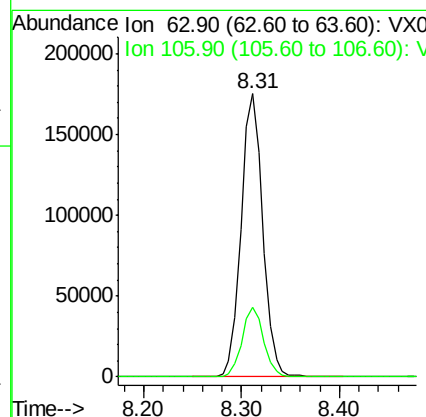
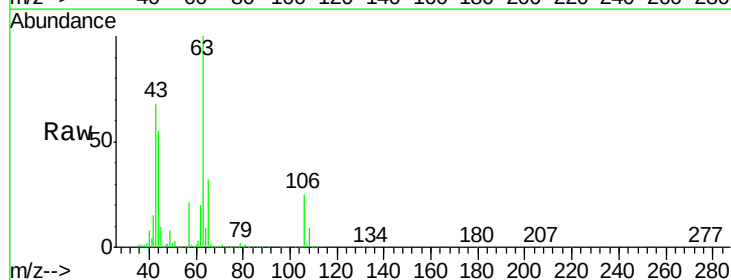
Manual Integrations
 APPROVED

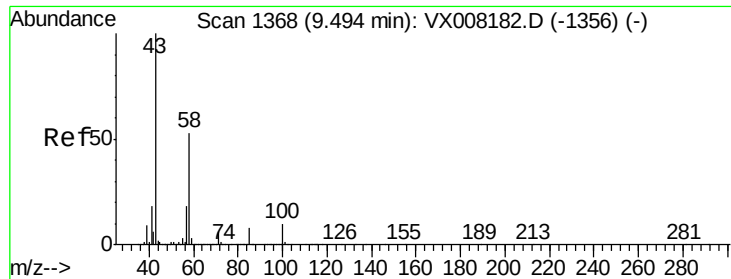
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#58
 2-Chloroethyl Vinyl ether
 Concen: 94.039 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.4	22.2	33.2





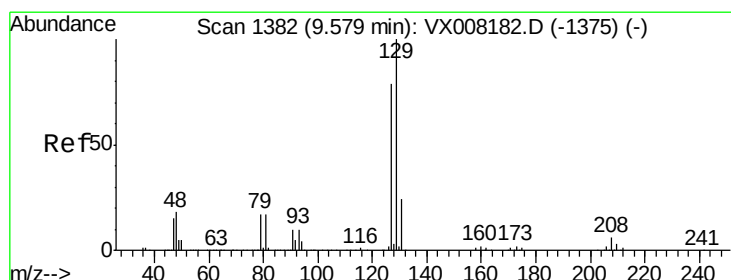
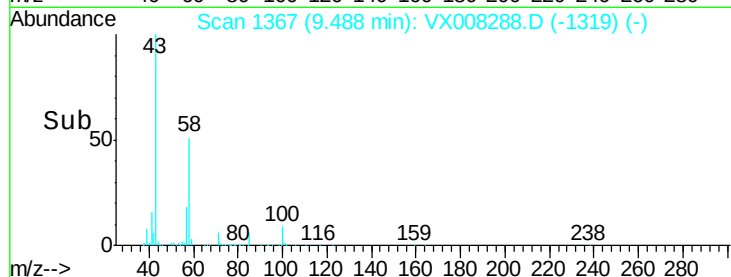
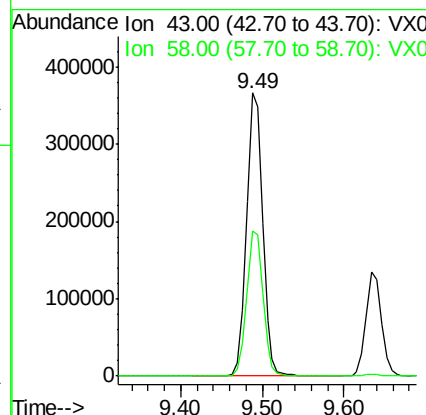
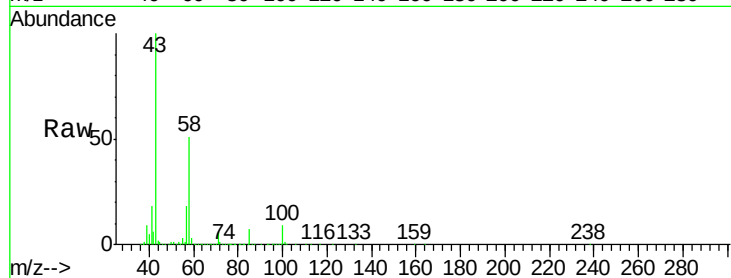
#59
2-Hexanone
Concen: 106.666 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD01

Tot Ion: 43 Resp: 495529
Ion Ratio Lower Upper
43 100
58 52.3 27.6 82.7

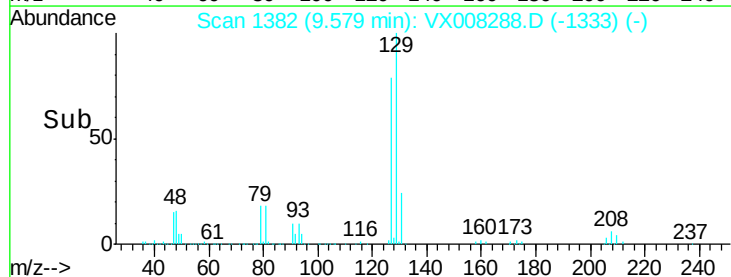
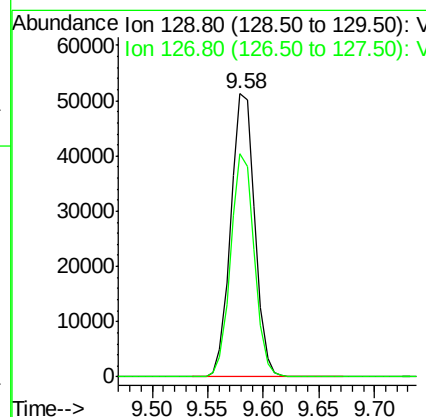
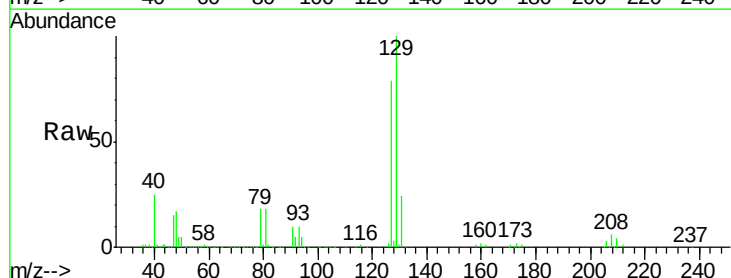
Manual Integrations
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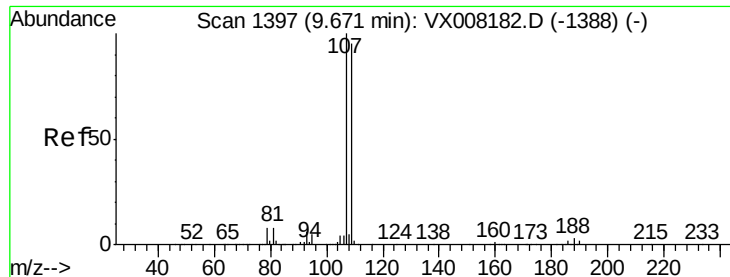
MMDadoda
3/22/2019 5:18:11 PM



#60
Dibromochloromethane
Concen: 22.801 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tgt Ion: 129 Resp: 76580
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8





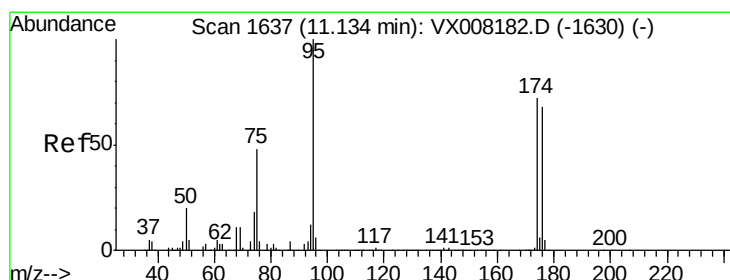
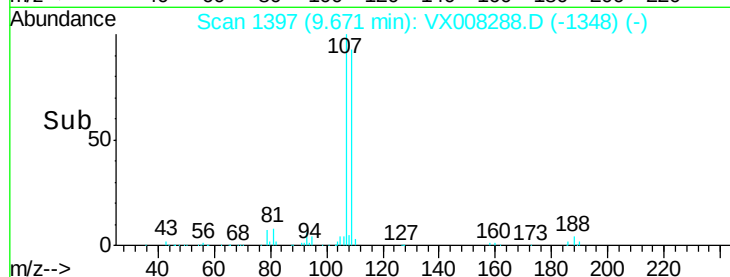
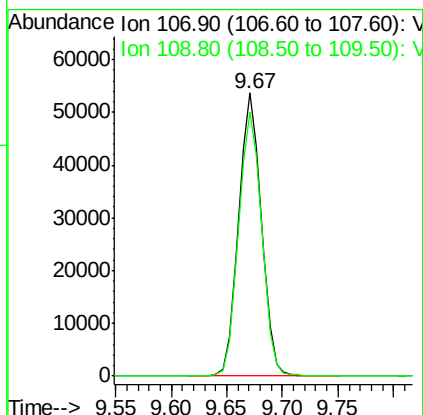
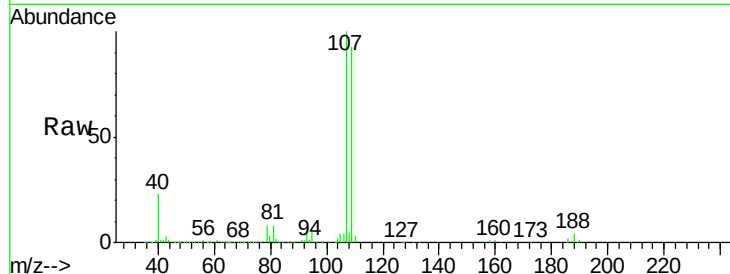
#61
 1,2-Dibromoethane
 Concen: 20.886 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.8	113.8

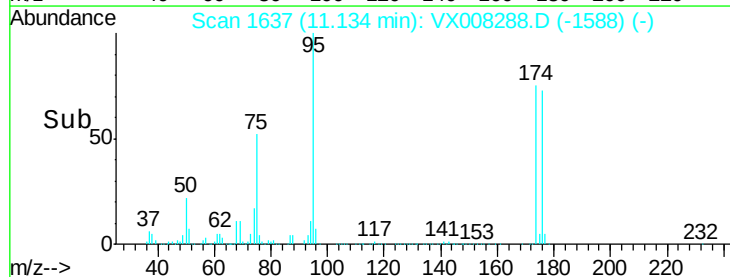
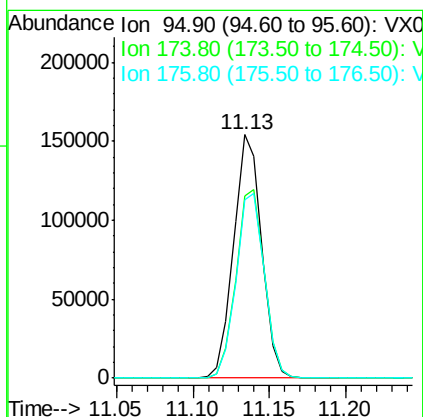
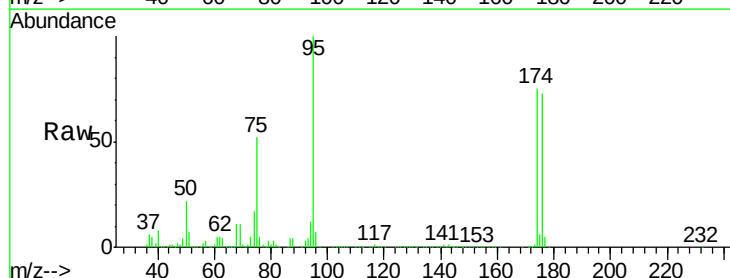
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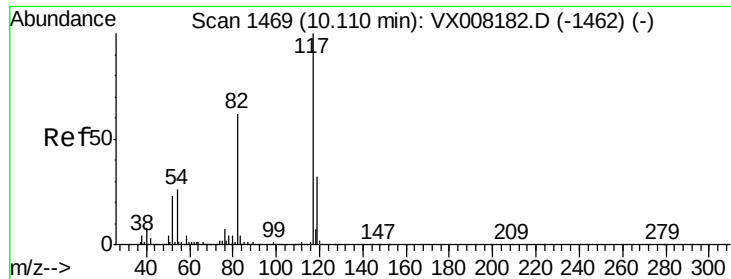
MMDadoda
 3/22/2019 5:18:11 PM



#62
 4-Bromofluorobenzene
 Concen: 52.675 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	182.8
176	77.2	0.0	178.0





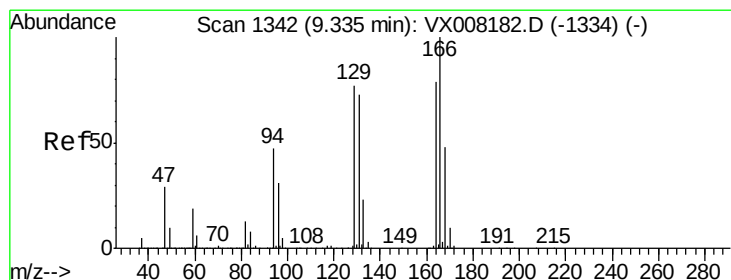
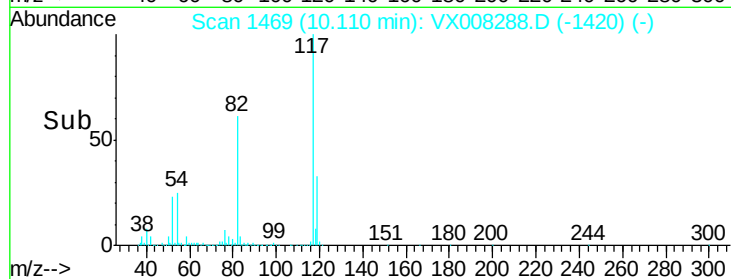
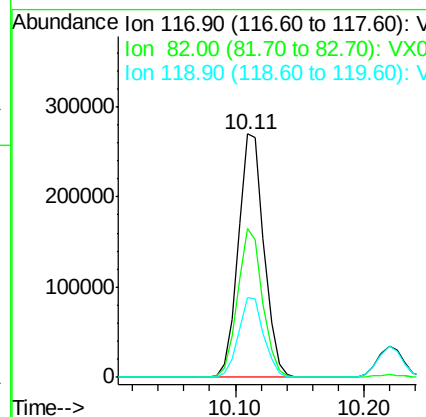
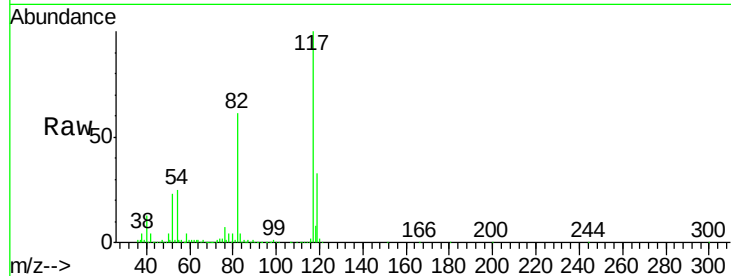
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Instrument :
MSVOA_X
ClientSampled :
VX0321WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	374181		
82	61.1	44.3	66.5	
119	32.6	25.3	37.9	

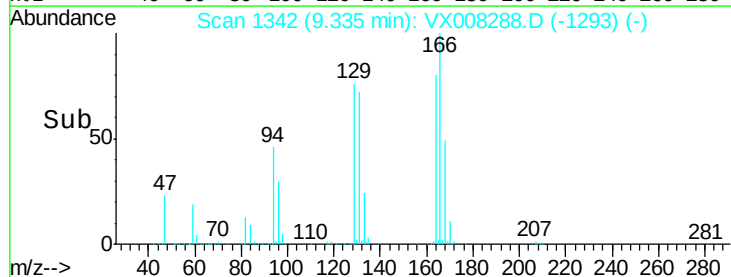
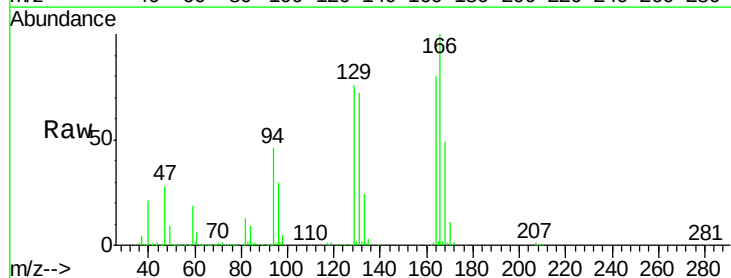
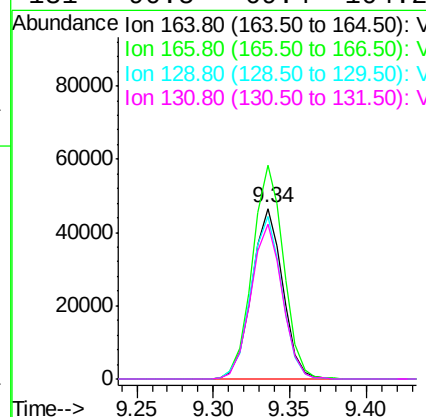
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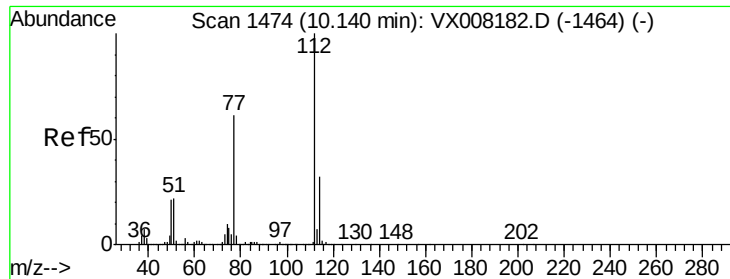
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#64
Tetrachloroethene
Concen: 19.361 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	65359		
166	125.2	103.4	155.0	
129	95.6	72.2	108.4	
131	90.5	69.4	104.2	





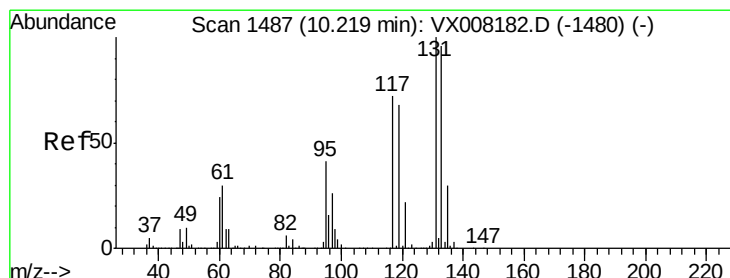
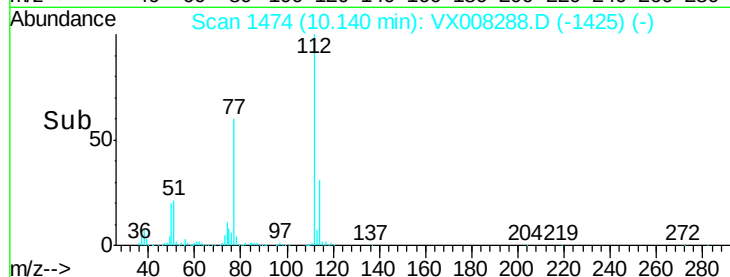
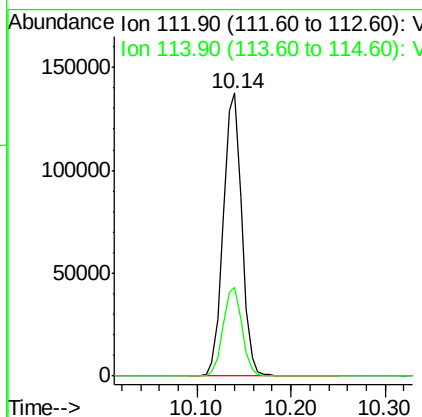
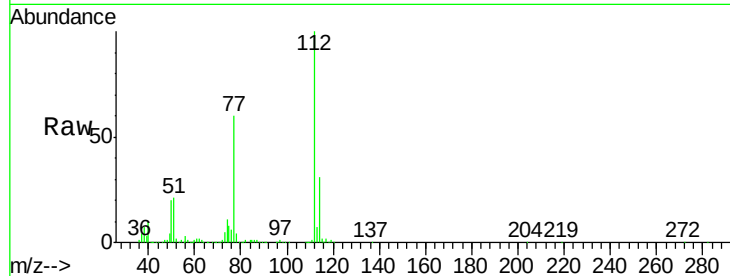
#65
Chlorobenzene
Concen: 20.288 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD01

Tot Ion:112 Resp: 186796
Ion Ratio Lower Upper
112 100
114 31.4 26.0 39.0

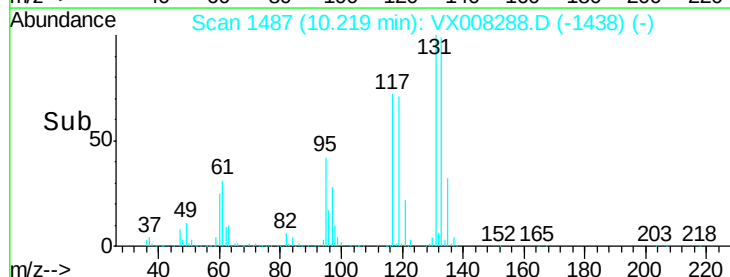
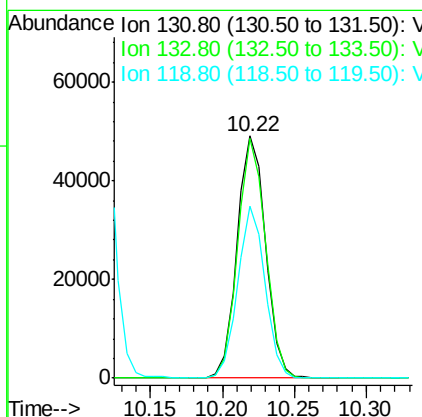
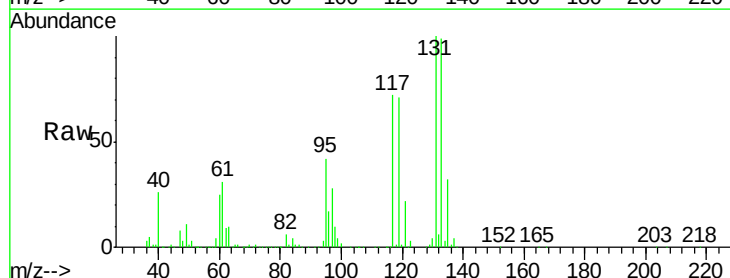
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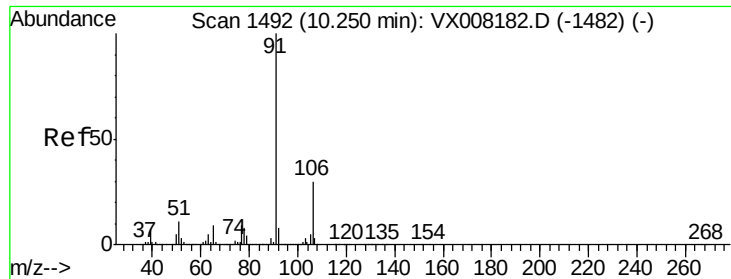
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.036 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tgt Ion:131 Resp: 67529
Ion Ratio Lower Upper
131 100
133 96.9 47.8 143.3
119 68.4 32.5 97.5





#67

Ethyl Benzene

Concen: 20.361 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD01

Tot Ion: 91 Resp: 330355

Ion Ratio Lower Upper

91 100

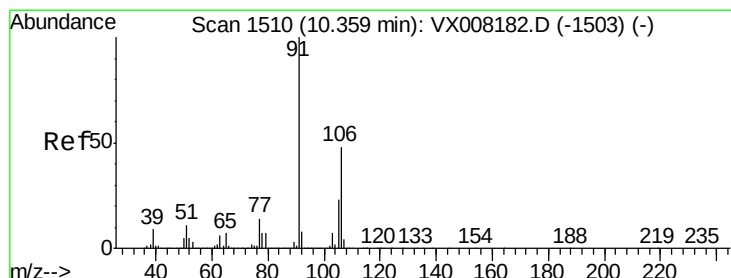
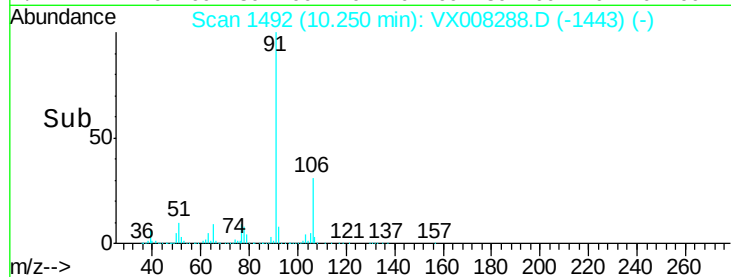
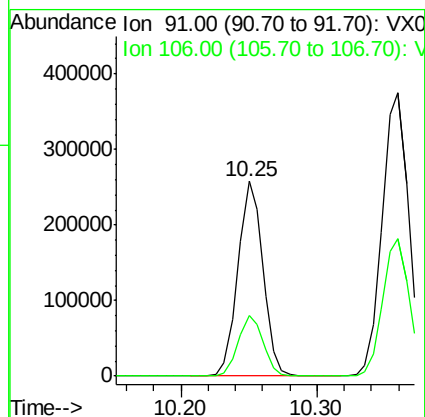
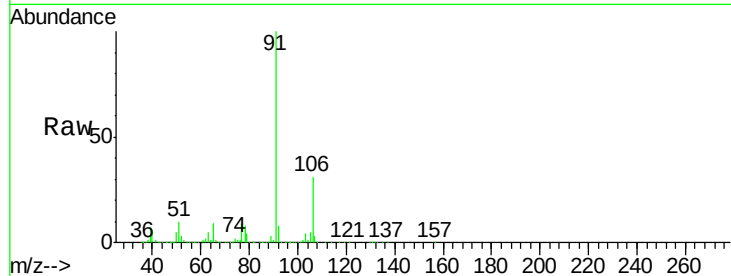
106 30.9 25.2 37.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.386 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008288.D

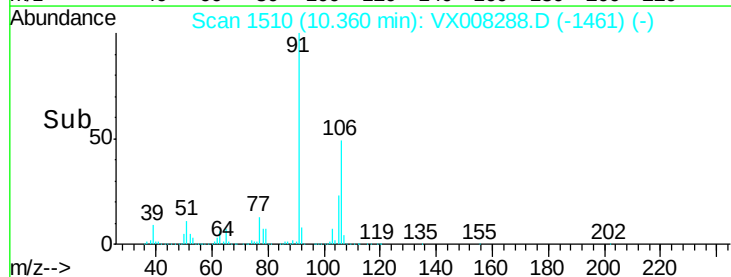
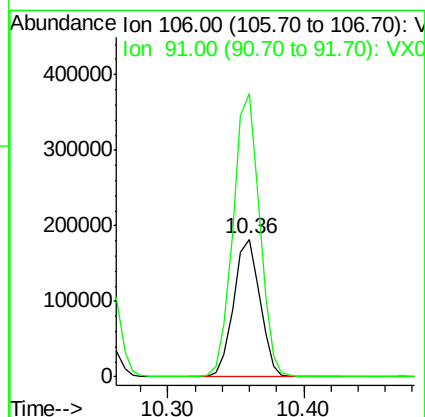
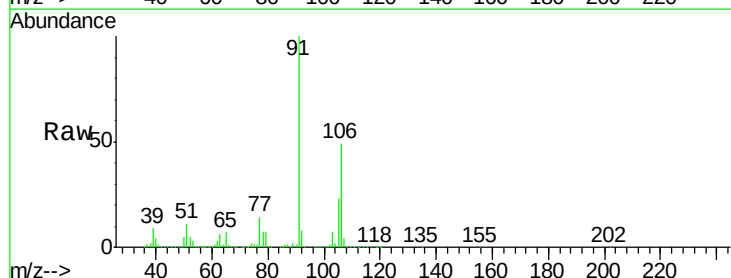
Acq: 21 Mar 2019 14:08

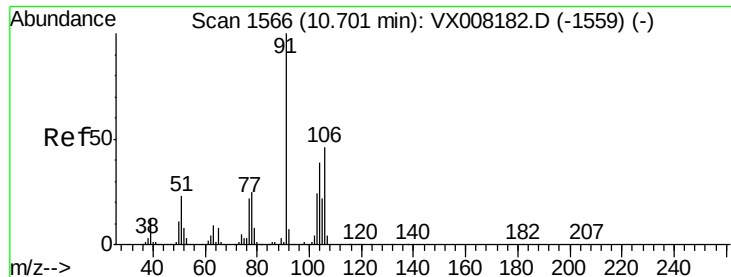
Tgt Ion: 106 Resp: 246659

Ion Ratio Lower Upper

106 100

91 206.5 159.8 239.6





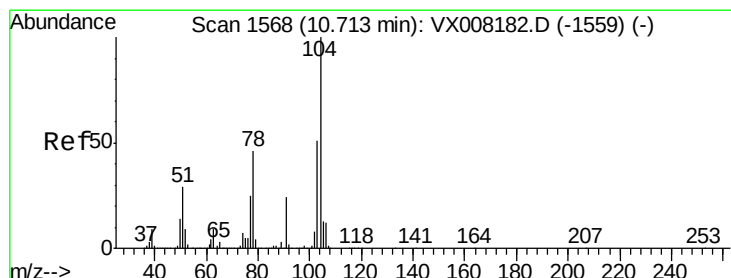
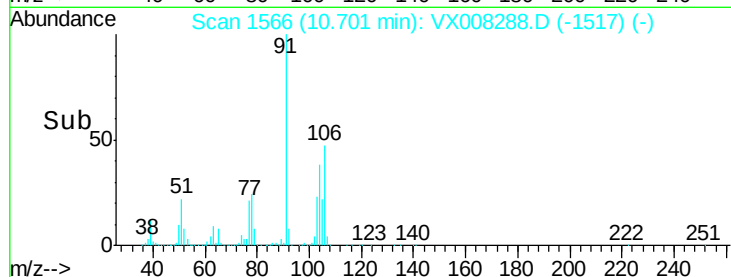
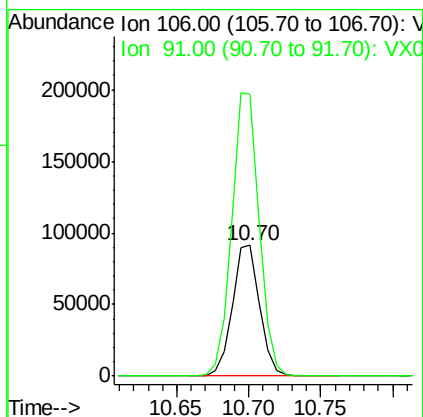
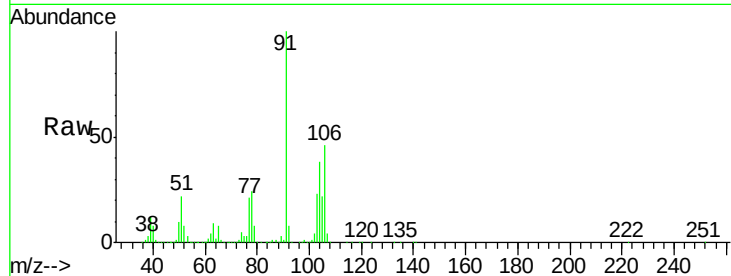
#69
o-Xylene
Concen: 20.899 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	218.5	106.3	318.9	

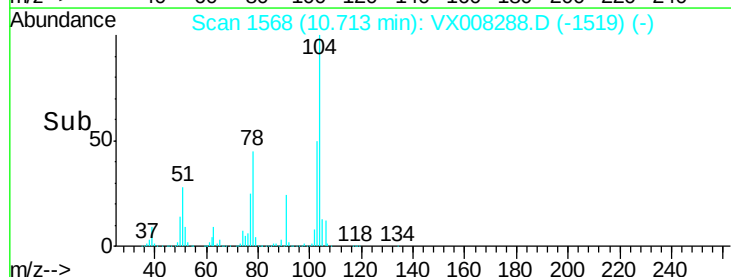
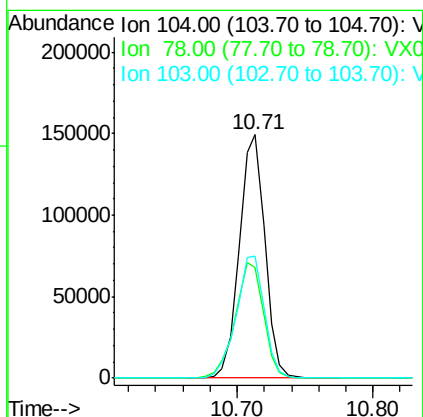
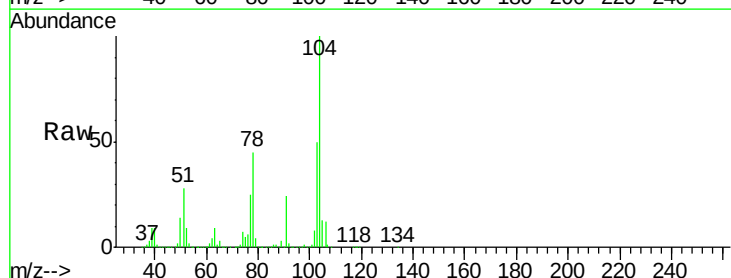
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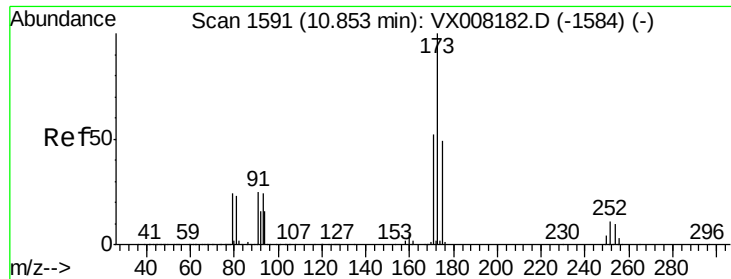
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#70
Styrene
Concen: 20.802 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	52.8	38.5	57.7	
103	55.6	44.1	66.1	





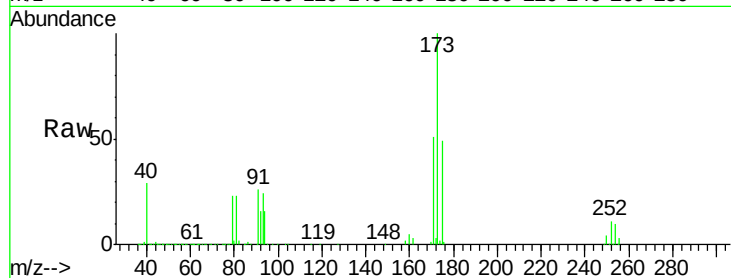
#71
Bromoform
Concen: 21.815 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD01

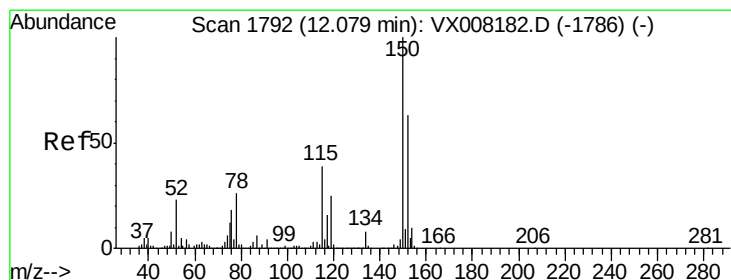
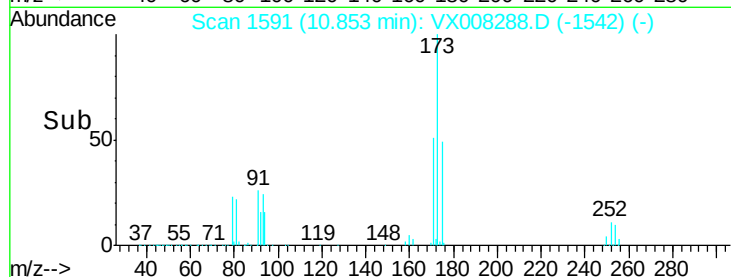
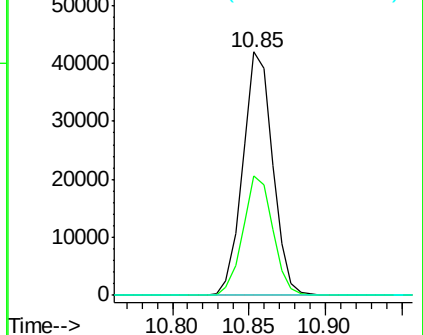
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	72.9
254	0.3	0.1	0.1#

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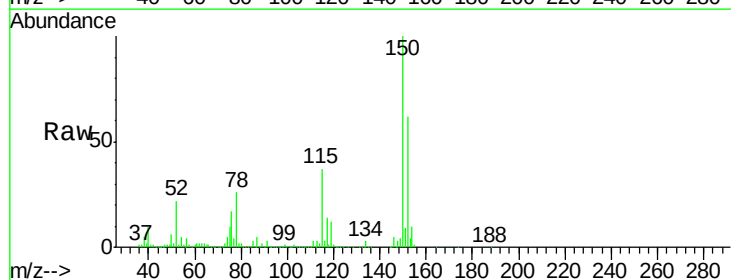


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

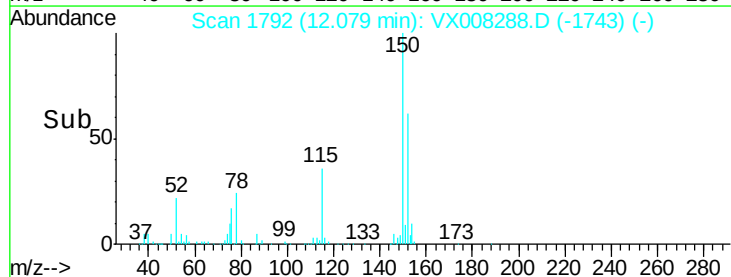
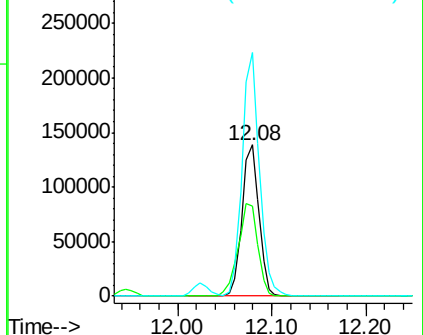


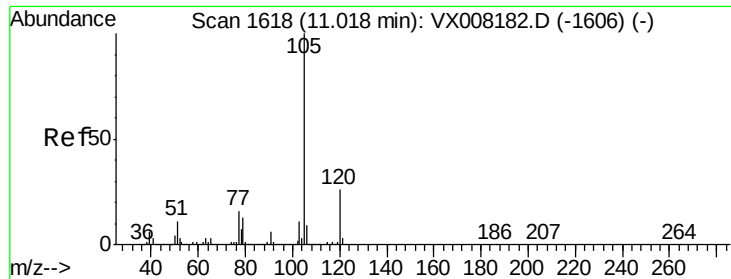
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	71.3	38.6	115.7
150	165.4	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: 21.045 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD01

Tot Ion:105 Resp: 322647

Ion Ratio Lower Upper

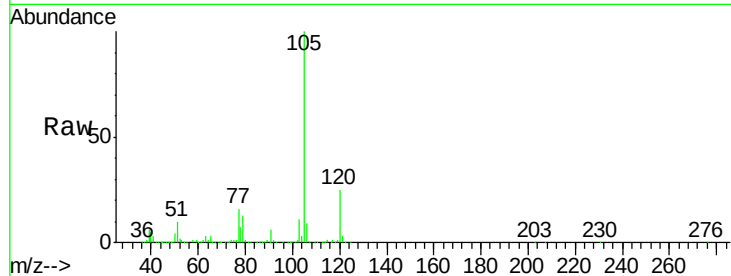
105 100

120 25.8 13.4 40.1

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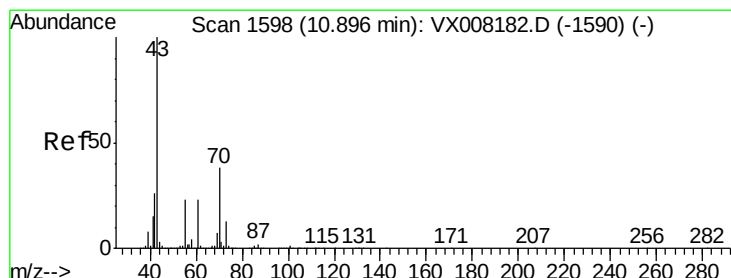
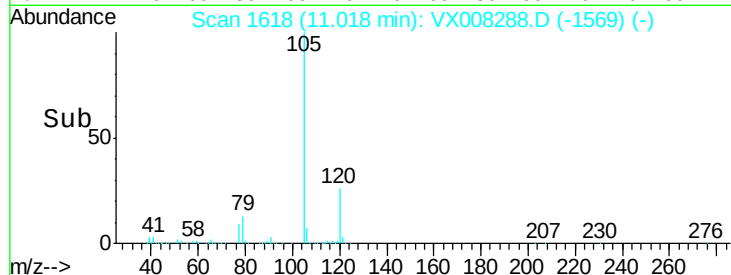
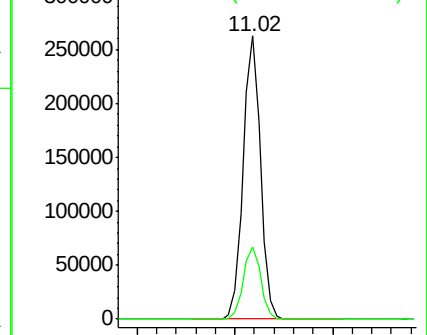
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.976 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Tgt Ion: 43 Resp: 168485

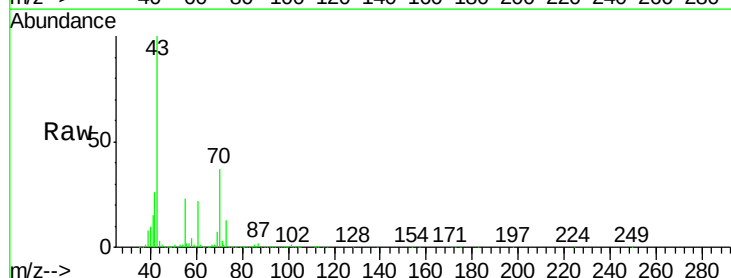
Ion Ratio Lower Upper

43 100

70 38.2 33.5 50.3

55 23.8 19.2 28.8

61 22.8 19.0 28.6

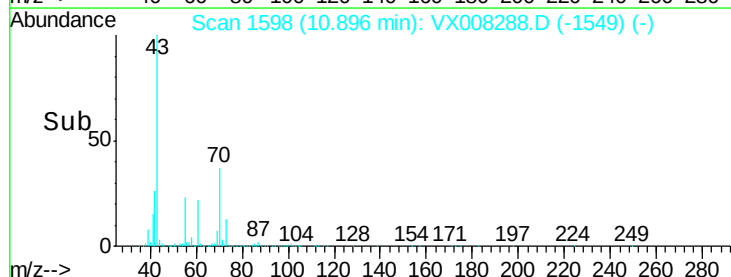
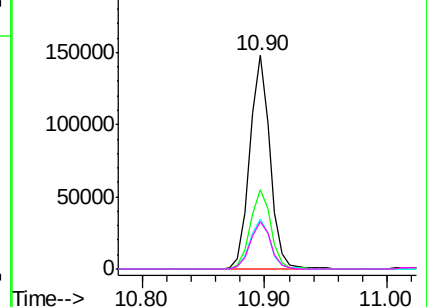


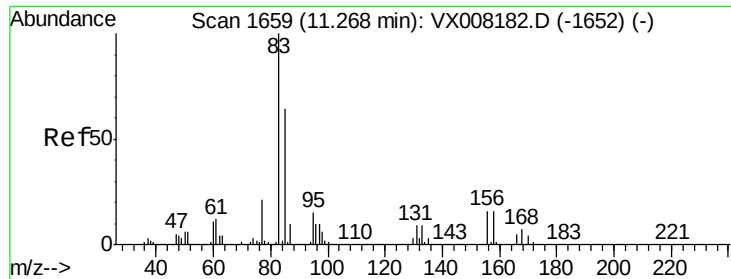
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.574 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

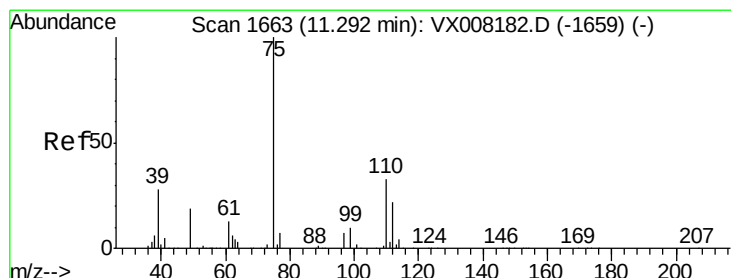
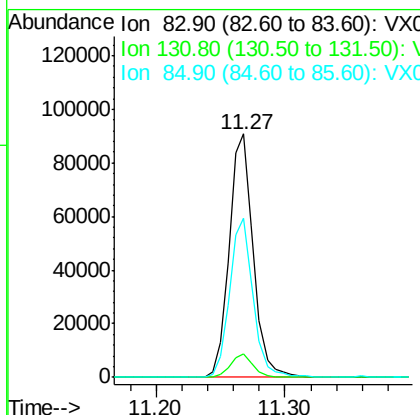
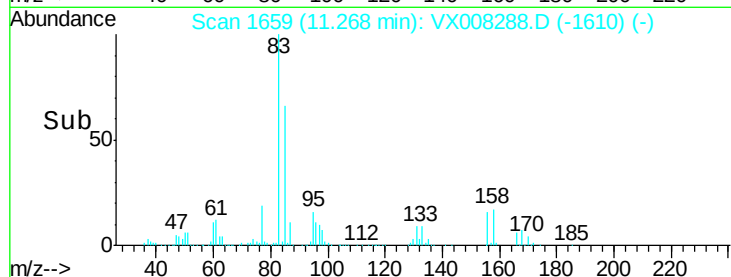
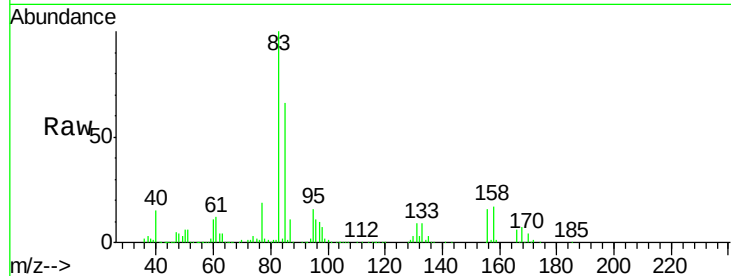
ClientSampleId :

VX0321WBSD01

Tot Ion:	83	Resp:	118601
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.4	16.2
85	64.2	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 20.813 ug/l m

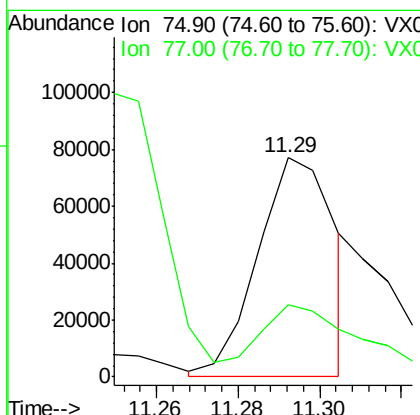
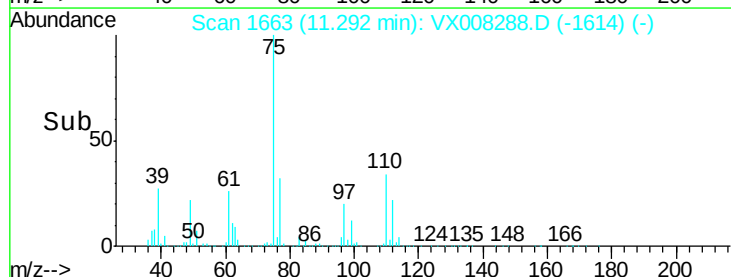
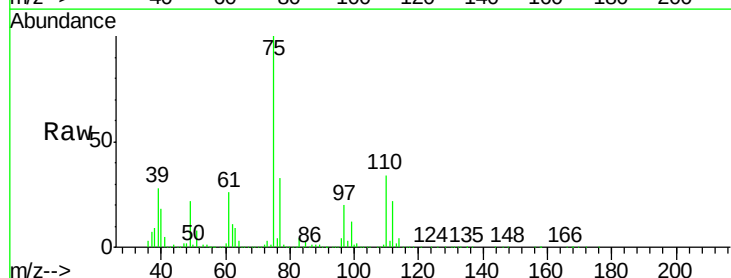
RT: 11.29 min Scan# 1663

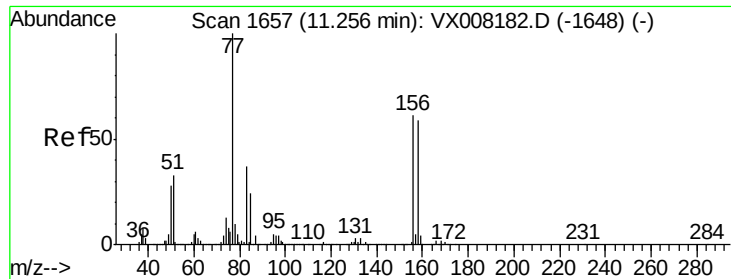
Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Tgt Ion:	75	Resp:	100685
Ion Ratio	Lower	Upper	
75	100		
77	43.9	18.9	56.7





#77

Bromobenzene

Concen: 20.702 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD01

Tot Ion:156 Resp: 76740

Ion Ratio Lower Upper

156 100

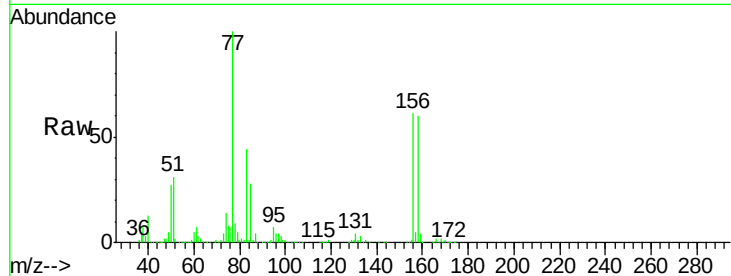
77 173.0 72.0 215.9

158 97.3 48.6 145.9

Manual Integrations
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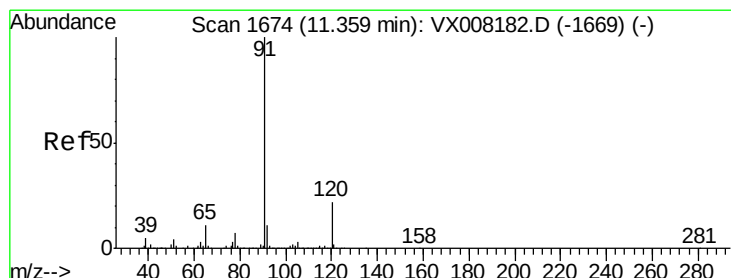
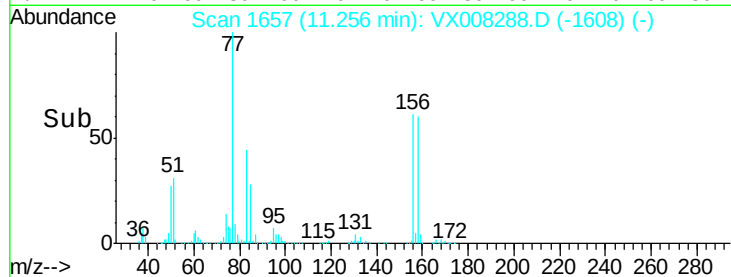
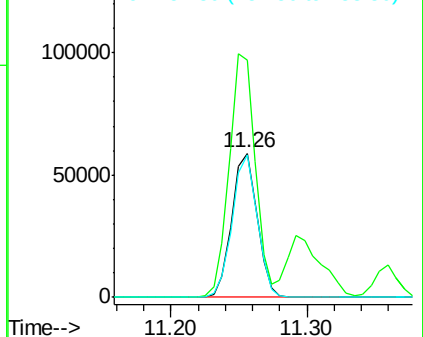
3/22/2019 5:18:11 PM



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



#78

n-propylbenzene

Concen: 20.772 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008288.D

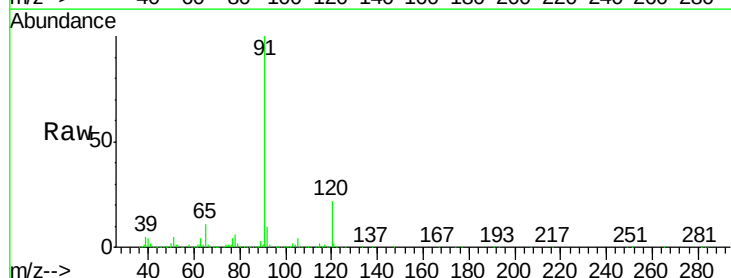
Acq: 21 Mar 2019 14:08

Tgt Ion: 91 Resp: 369874

Ion Ratio Lower Upper

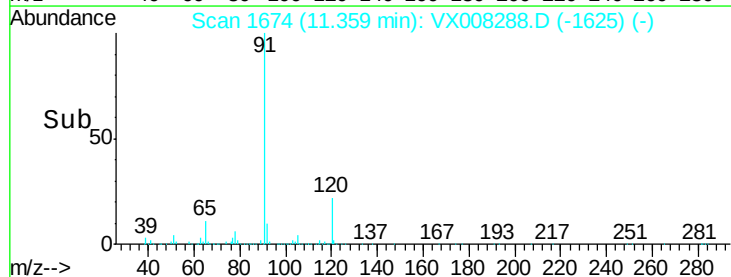
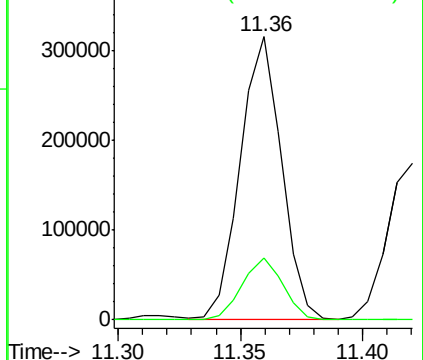
91 100

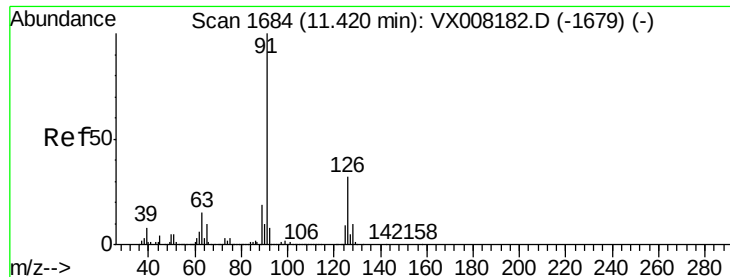
120 22.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.664 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

ClientSampled :

VX0321WBSD01

Tot Ion: 91 Resp: 220854

Ion Ratio Lower Upper

91 100

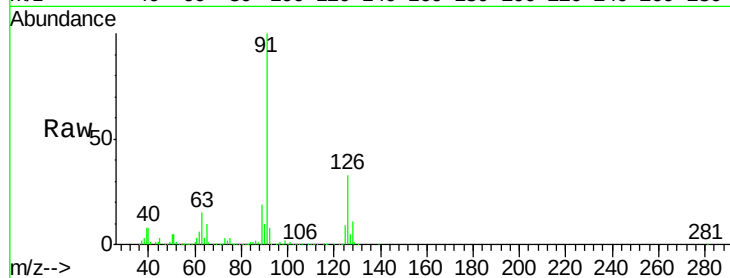
126 32.9 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VX008288.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008288.D (-1679) (-)

300000

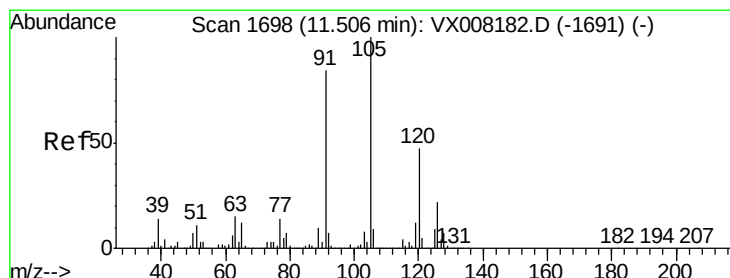
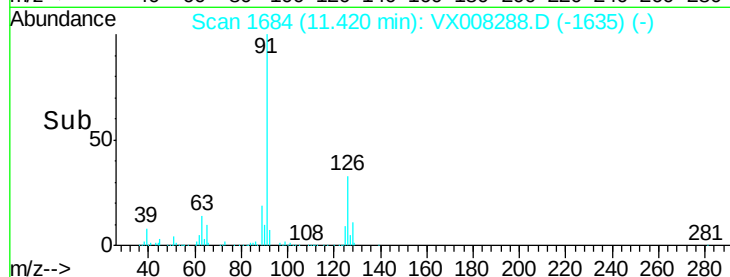
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.662 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008288.D

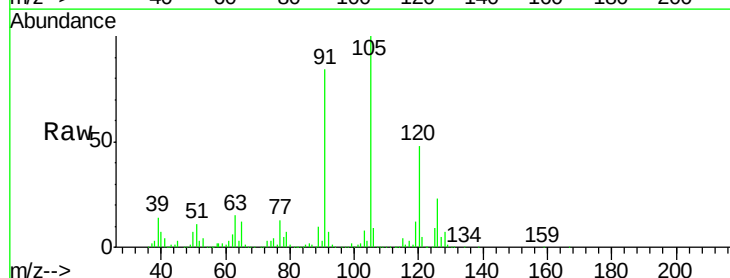
Acq: 21 Mar 2019 14:08

Tgt Ion: 105 Resp: 261701

Ion Ratio Lower Upper

105 100

120 47.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX008288.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX008288.D (-1691) (-)

250000

200000

150000

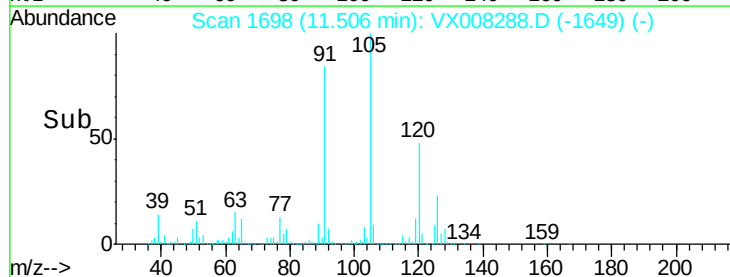
100000

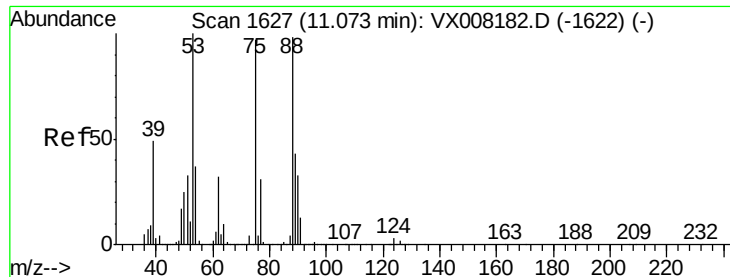
50000

0

11.45 11.50 11.55 11.60

Time-->





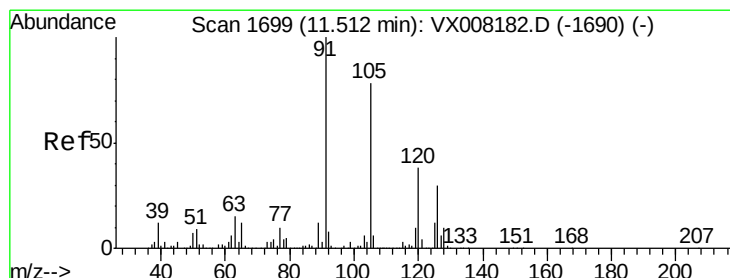
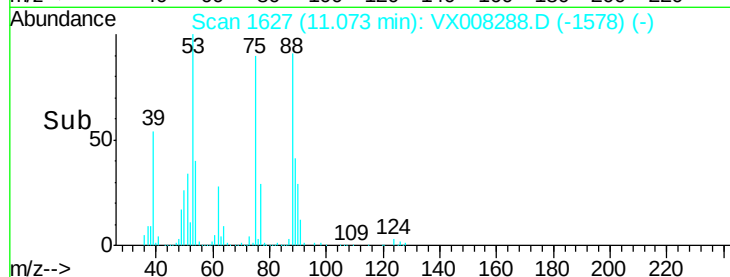
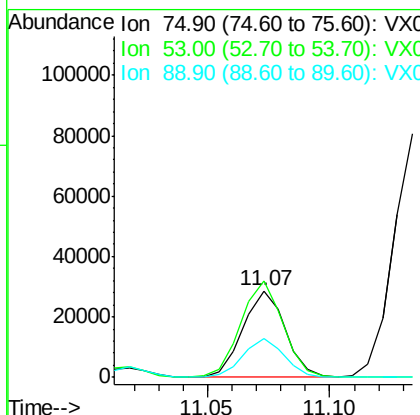
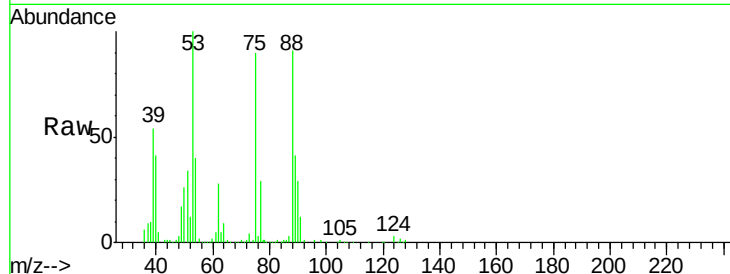
#81
trans-1,4-Dichloro-2-butene
Concen: 19.051 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.5	76.1	114.1
89	45.2	36.3	54.5

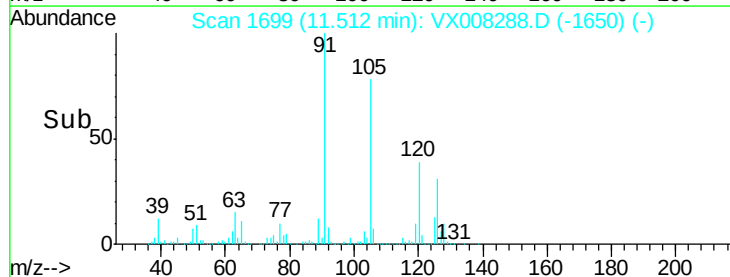
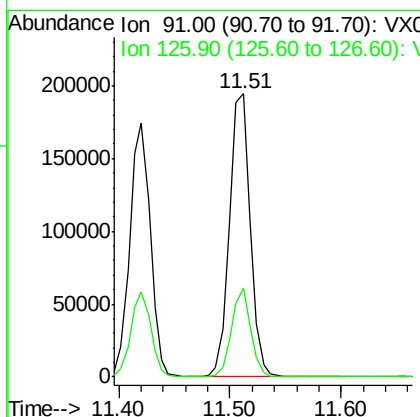
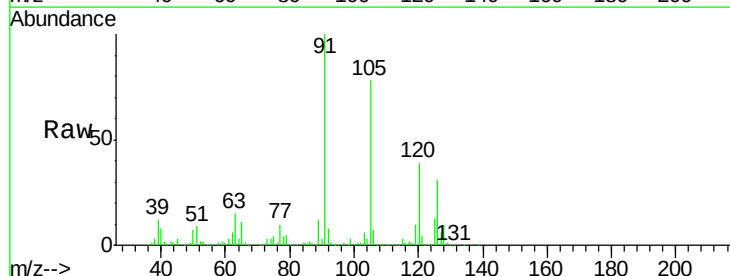
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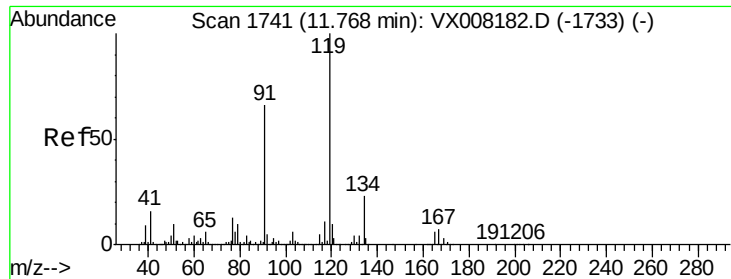
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#82
4-Chlorotoluene
Concen: 20.117 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	15.6	46.8





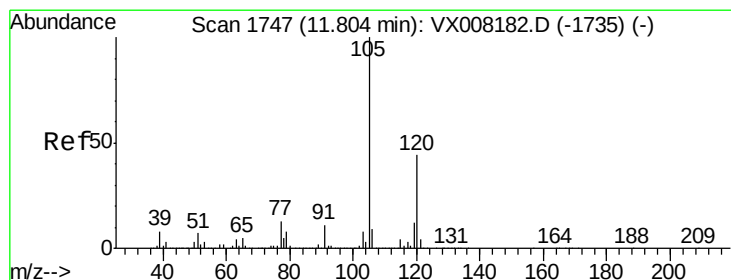
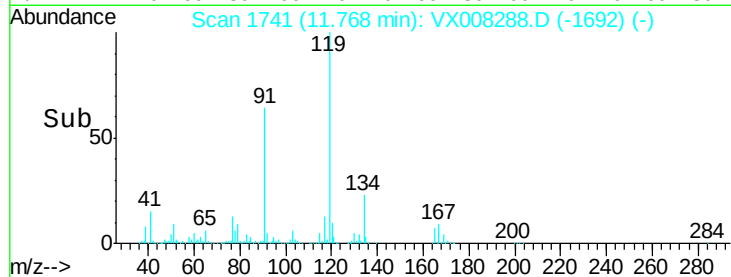
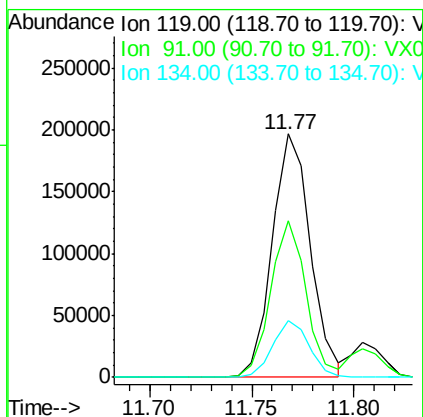
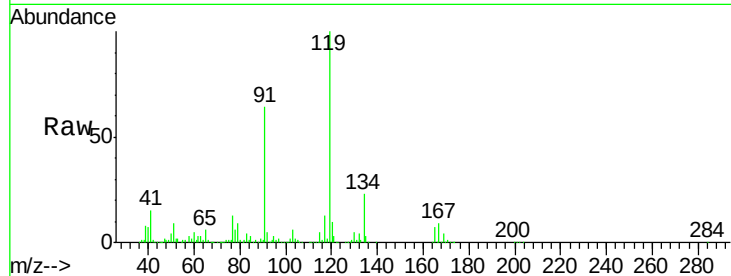
#83
 tert-Butylbenzene
 Concen: 21.202 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	256393		
91	59.9	27.1	81.3	
134	22.6	11.4	34.1	

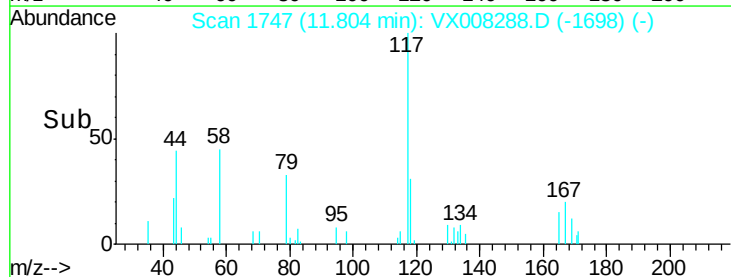
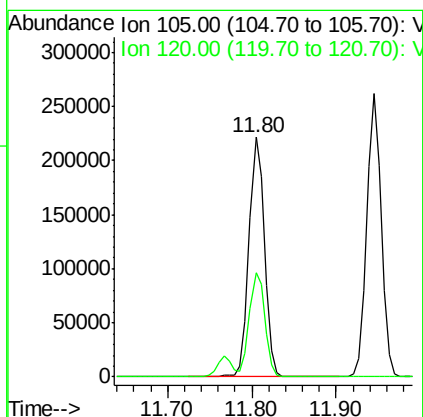
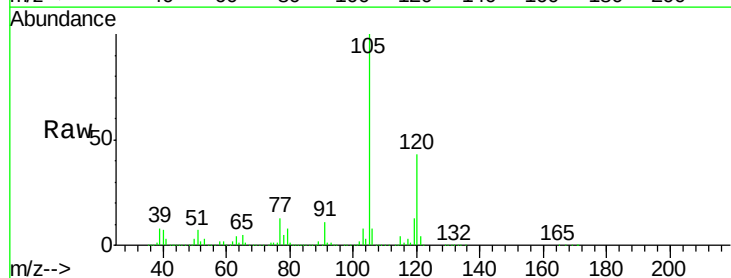
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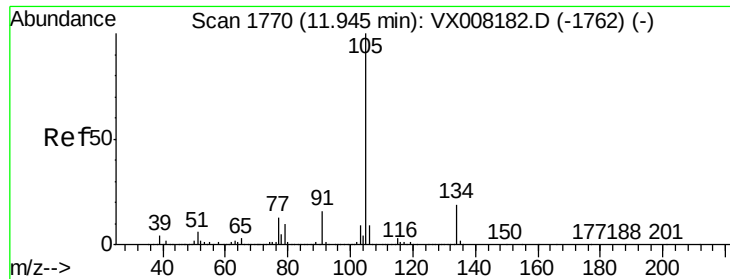
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.003 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	269692		
120	43.3	22.6	67.7	





#85

sec-Butylbenzene

Concen: 20.942 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD01

Tot Ion:105 Resp: 313615

Ion Ratio Lower Upper

105 100

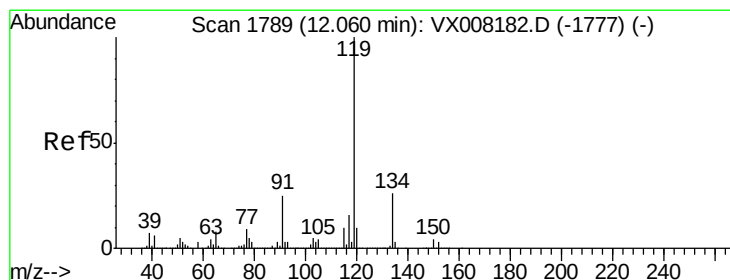
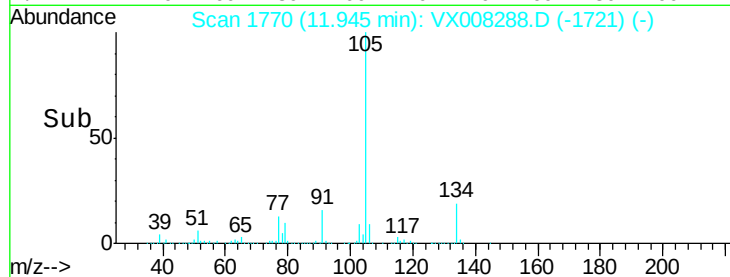
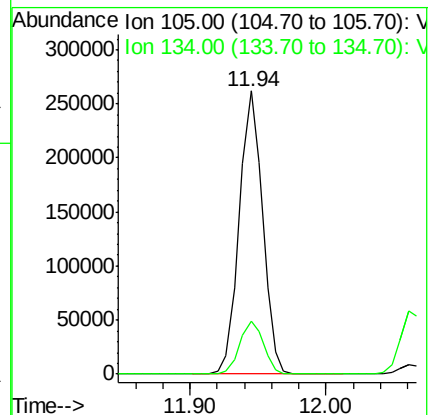
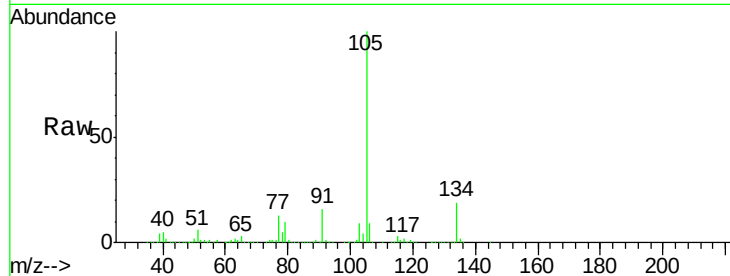
134 19.3 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 20.789 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

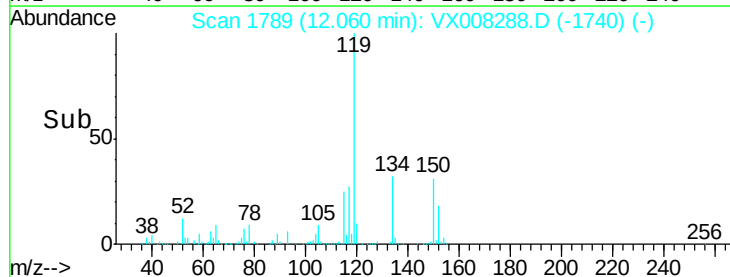
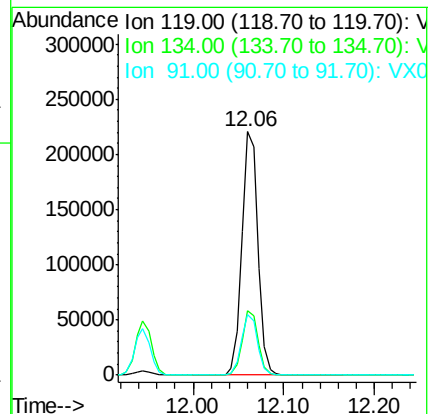
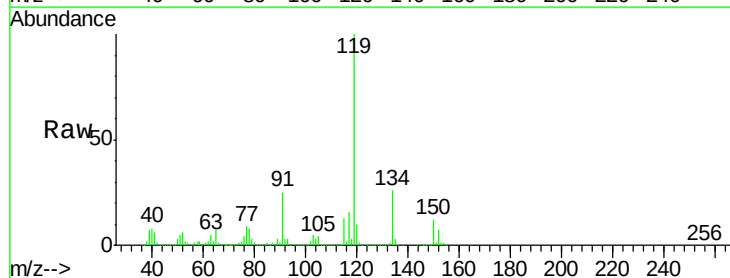
Tgt Ion:119 Resp: 269479

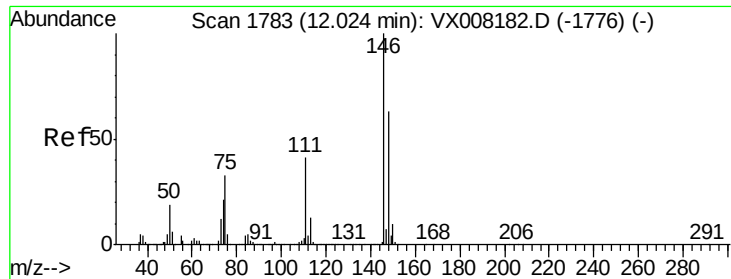
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

91 24.7 10.9 32.7





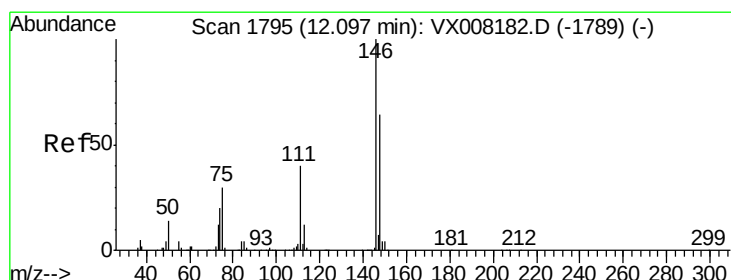
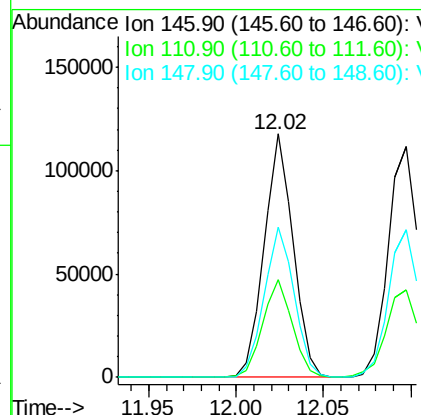
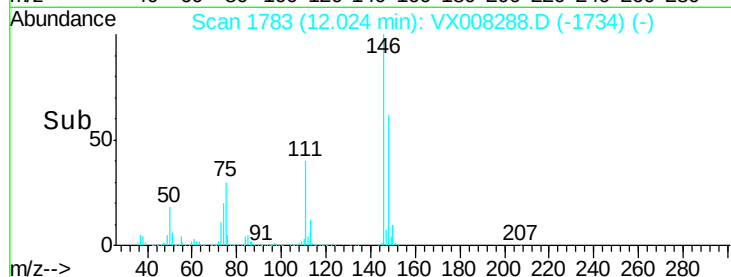
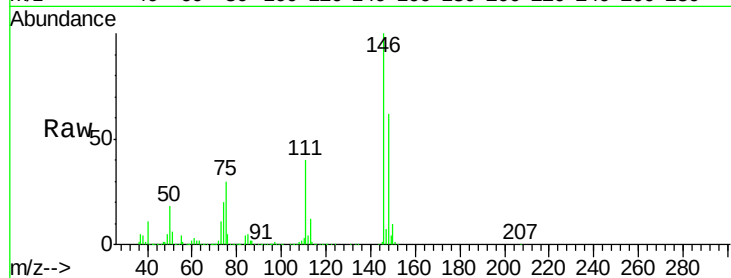
#87
 1,3-Dichlorobenzene
 Concen: 20.566 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	18.9	56.7
148	63.6	31.7	95.1

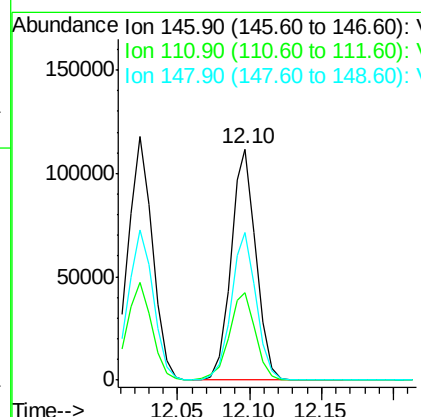
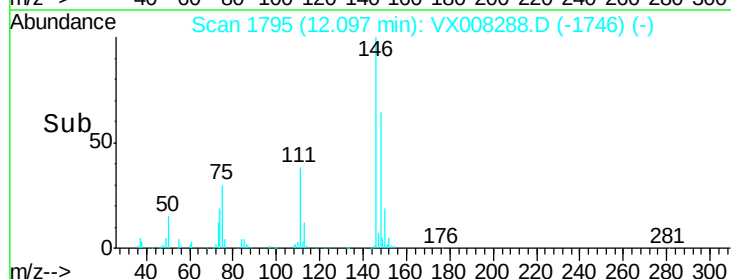
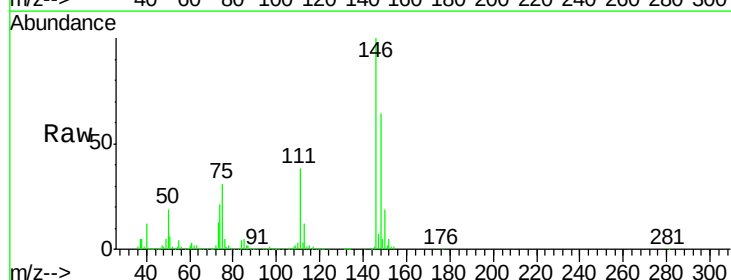
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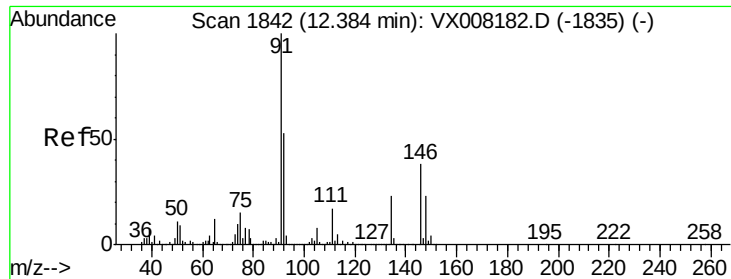
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#88
 1,4-Dichlorobenzene
 Concen: 19.881 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008288.D
 Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	18.4	55.0
148	64.0	32.2	96.6





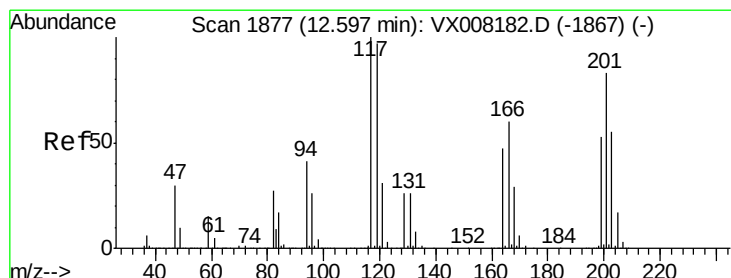
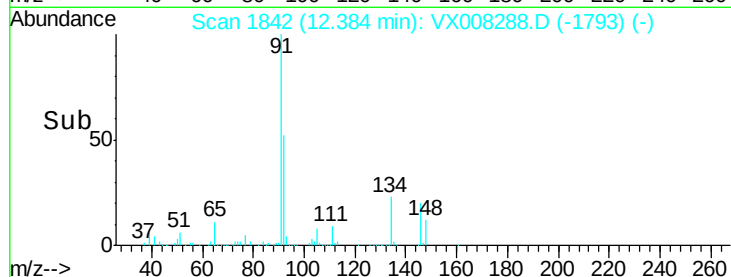
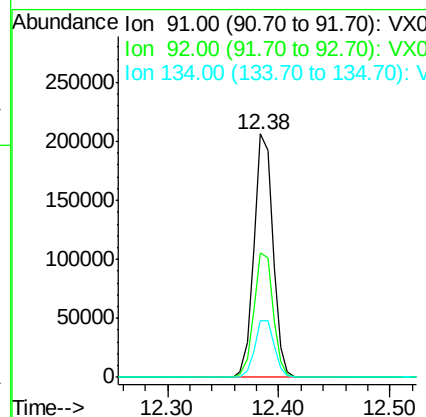
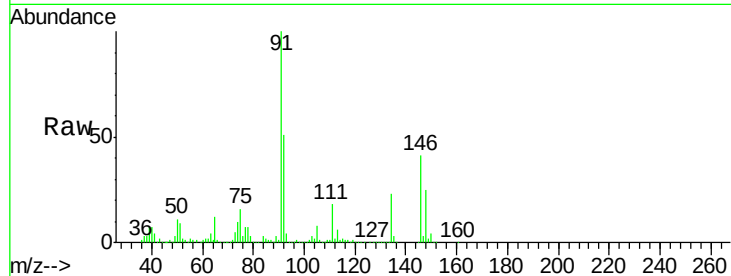
#89
n-Butylbenzene
Concen: 20.060 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	27.0	80.8
134	24.0	13.7	41.0

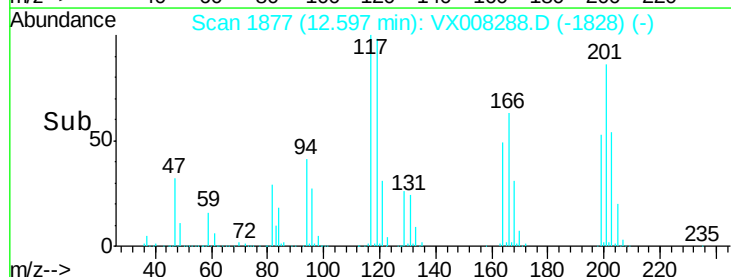
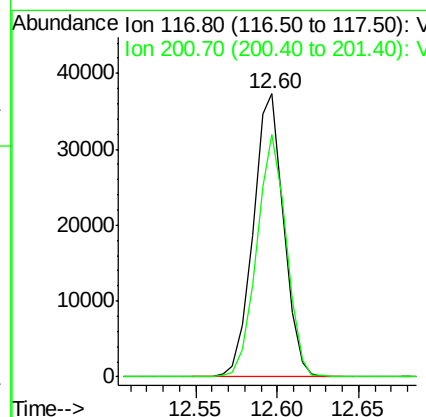
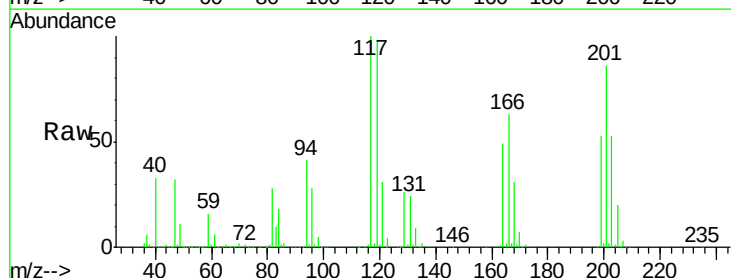
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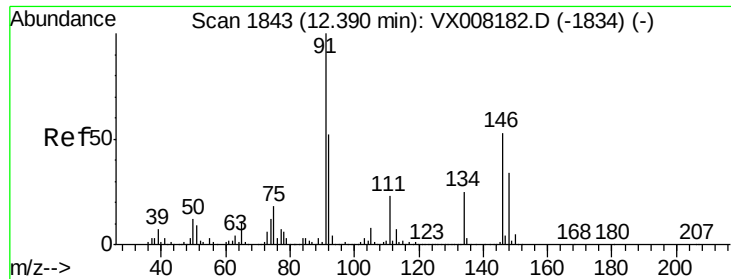
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#90
Hexachloroethane
Concen: 22.032 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.9	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 20.514 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Instrument :

MSVOA_X

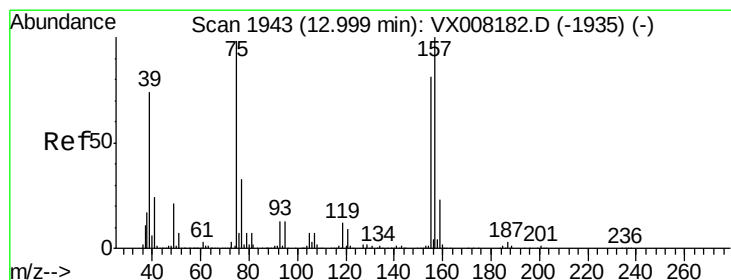
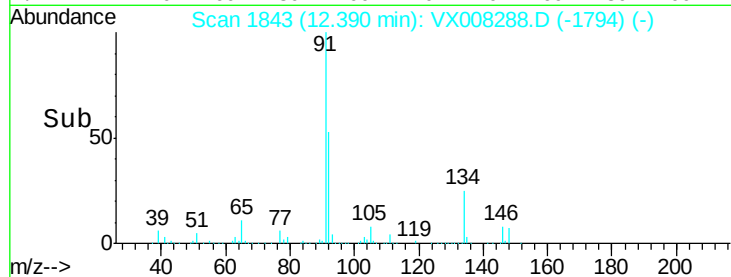
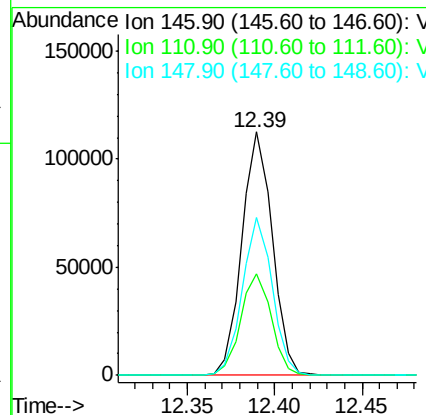
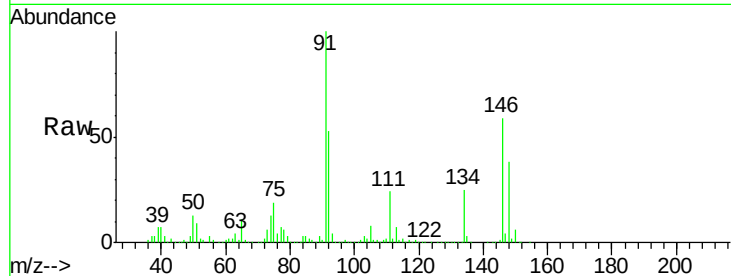
ClientSampleId :

VX0321WBSD01

Tot Ion:	146	Resp:	137022
Ion Ratio	Lower	Upper	
146	100		
111	41.9	19.6	58.8
148	63.9	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.393 ug/l

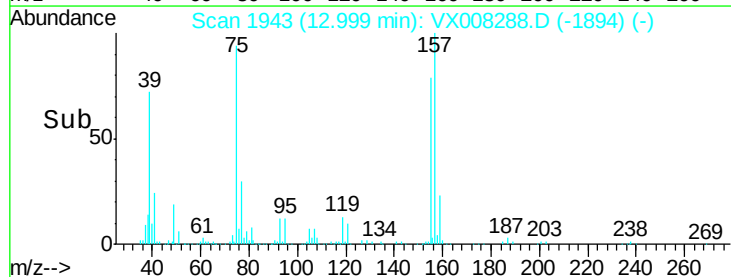
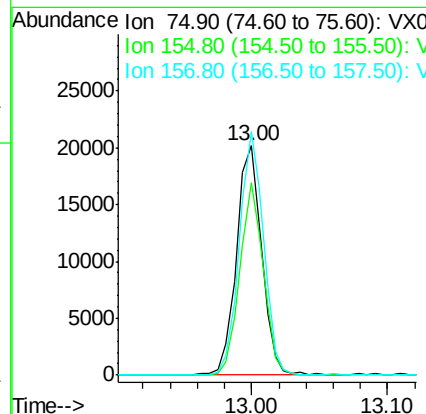
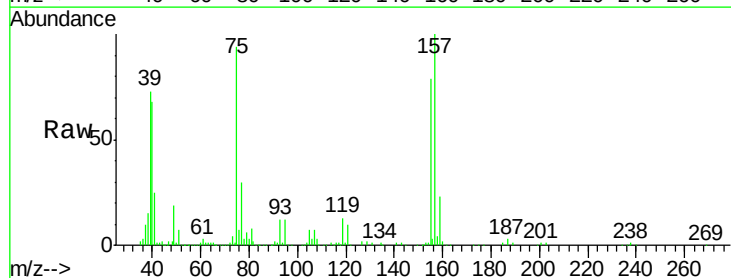
RT: 13.00 min Scan# 1943

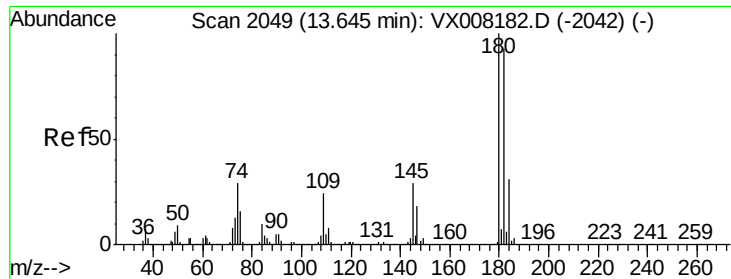
Delta R.T. 0.00 min

Lab File: VX008288.D

Acq: 21 Mar 2019 14:08

Tgt Ion:	75	Resp:	26122
Ion Ratio	Lower	Upper	
75	100		
155	78.2	49.7	149.1
157	101.3	63.8	191.4





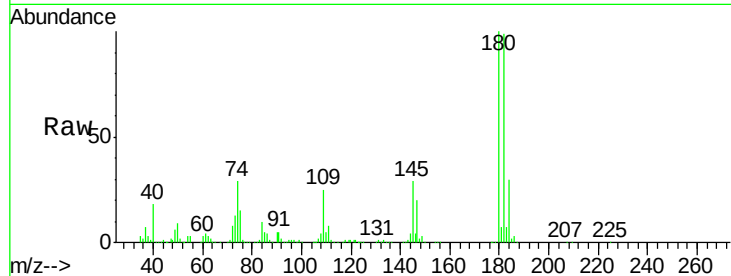
#93
1,2,4-Trichlorobenzene
Concen: 19.784 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD01

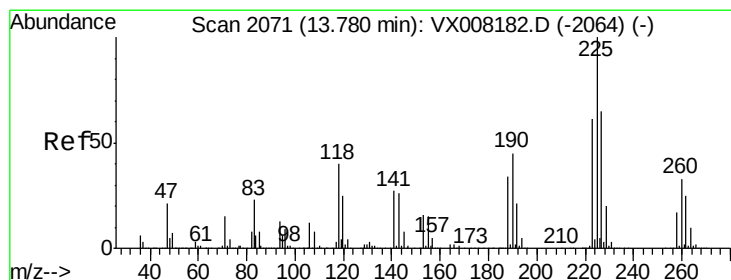
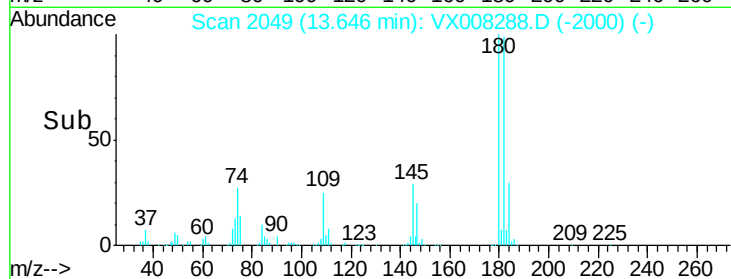
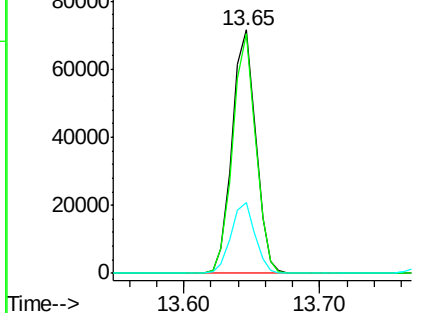
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.7
145	29.5	14.1	42.4

Manual Integrations
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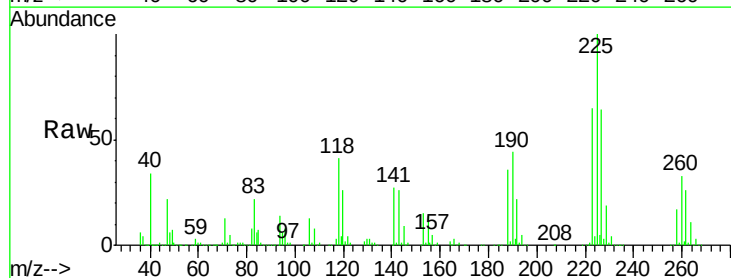


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

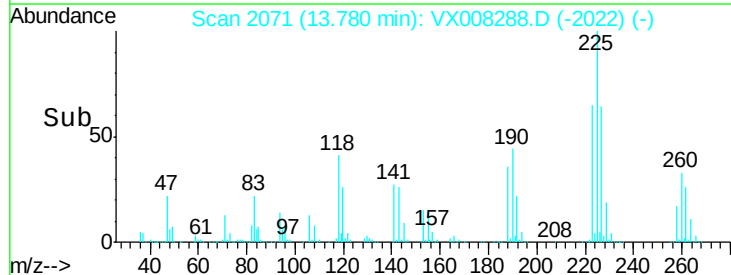
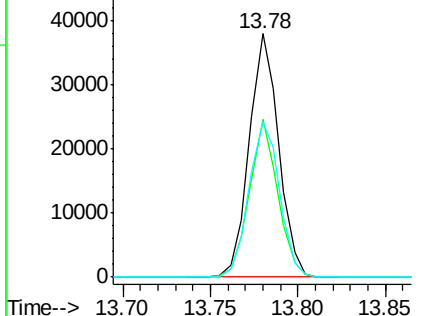


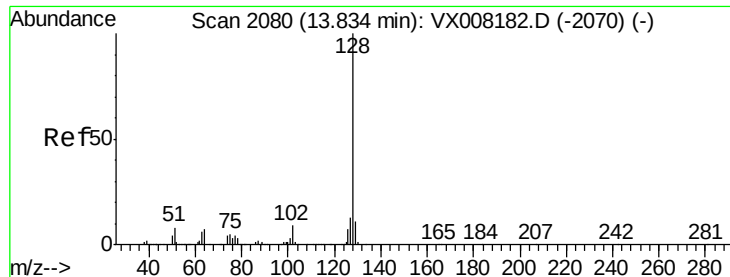
#94
Hexachlorobutadiene
Concen: 20.665 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.2
227	66.5	32.0	96.0



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





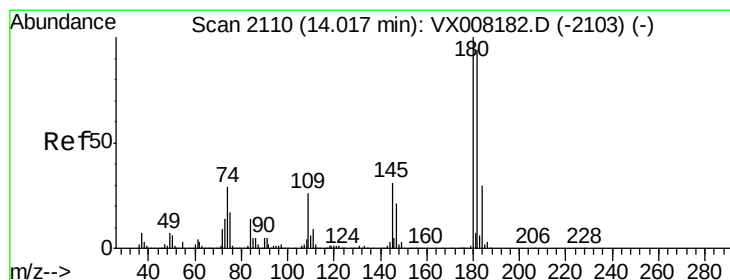
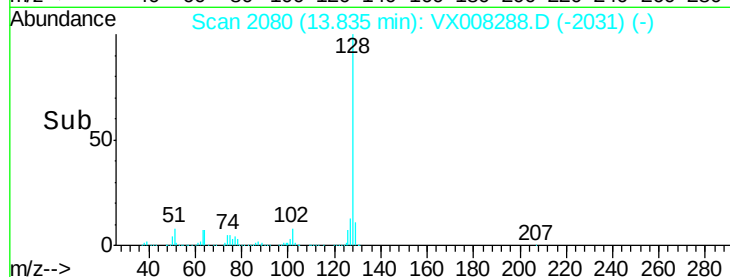
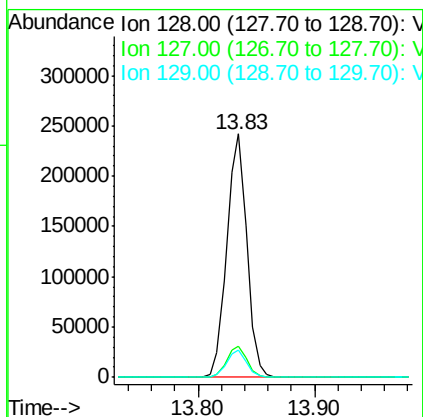
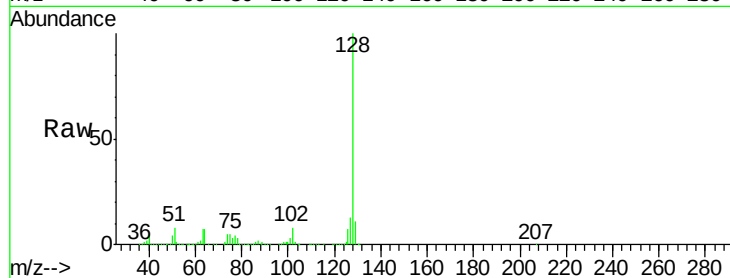
#95
Naphthalene
Concen: 20.750 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 5:18:11 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.169 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008288.D
Acq: 21 Mar 2019 14:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.5	142.5
145	32.0	14.8	44.3

