

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032519\
 Data File : VX008411.D
 Acq On : 25 Mar 2019 14:30
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 9:46:30 AM

Quant Time: Mar 26 04:42:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:13:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	190890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	329048	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	290426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135431	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	60166	20.83	ug/l	0.00
Spiked Amount						
			Recovery	=	41.66%	
35) Dibromofluoromethane	5.49	113	44572	20.95	ug/l	0.00
Spiked Amount						
			Recovery	=	41.90%	
50) Toluene-d8	8.71	98	174766	20.66	ug/l	0.00
Spiked Amount						
			Recovery	=	41.32%	
62) 4-Bromofluorobenzene	11.13	95	63507	20.31	ug/l	0.00
Spiked Amount						
			Recovery	=	40.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	42557	19.792	ug/l	99
3) Chloromethane	1.32	50	59262	18.693	ug/l	98
4) Vinyl Chloride	1.40	62	60278	19.386	ug/l	98
5) Bromomethane	1.64	94	28502	14.948	ug/l	97
6) Chloroethane	1.72	64	38527	20.904	ug/l	98
7) Trichlorofluoromethane	1.93	101	68760	19.500	ug/l	97
8) Diethyl Ether	2.18	74	32697	19.321	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	41023	19.581	ug/l	100
10) Methyl Iodide	2.51	142	34499	13.651	ug/l	100
11) Tert butyl alcohol	3.04	59	62939	97.141	ug/l	99
12) 1,1-Dichloroethene	2.37	96	42709	19.679	ug/l	96
13) Acrolein	2.29	56	44710	84.731	ug/l	100
14) Allyl chloride	2.73	41	92111	19.251	ug/l	99
15) Acrylonitrile	3.14	53	160980	97.613	ug/l	99
16) Acetone	2.44	43	152319	104.741	ug/l	100
17) Carbon Disulfide	2.57	76	128442	18.561	ug/l	99
18) Methyl Acetate	2.77	43	69226	19.154	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	156471	20.042	ug/l	99
20) Methylene Chloride	2.85	84	51349	19.606	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	45324	19.355	ug/l	98
22) Diisopropyl ether	3.85	45	189282	20.282	ug/l	98
23) Vinyl Acetate	3.81	43	838834	101.919	ug/l	100
24) 1,1-Dichloroethane	3.70	63	94396	19.858	ug/l	99
25) 2-Butanone	4.67	43	237897	99.842	ug/l	99
26) 2,2-Dichloropropane	4.59	77	62660	20.320	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	52615	19.606	ug/l	99
28) Bromochloromethane	5.01	49	51473	22.008	ug/l	100
29) Tetrahydrofuran	5.13	42	155464	98.741	ug/l	99
30) Chloroform	5.21	83	85055	19.832	ug/l	99
31) Cyclohexane	5.58	56	89655	19.704	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	68288	20.083	ug/l	99
36) 1,1-Dichloropropene	5.80	75	65340	19.463	ug/l	99
37) Ethyl Acetate	4.83	43	89408	19.761	ug/l	99
38) Carbon Tetrachloride	5.79	117	55544	19.253	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	80477	19.542	ug/l	97
40) Benzene	6.14	78	204599	19.988	ug/l	99
41) Methacrylonitrile	5.04	41	49572	20.057	ug/l	99
42) 1,2-Dichloroethane	6.19	62	73351	19.742	ug/l	100
43) Isopropyl Acetate	6.45	43	138894	19.661	ug/l	100
44) Trichloroethene	7.21	130	45646	19.187	ug/l	95
45) 1,2-Dichloropropane	7.51	63	57792	19.941	ug/l	100
46) Dibromomethane	7.66	93	32993	19.222	ug/l	100
47) Bromodichloromethane	7.90	83	64660	19.716	ug/l	98
48) Methyl methacrylate	7.77	41	71011	19.854	ug/l	99
49) 1,4-Dioxane	7.74	88	28854	399.613	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	462163	99.303	ug/l	100
52) Toluene	8.79	92	120084	19.958	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	69849	19.768	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	79184	19.835	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	49757	19.911	ug/l	99
56) Ethyl methacrylate	9.18	69	89521	20.207	ug/l	99
57) 1,3-Dichloropropane	9.37	76	88007	19.806	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	233240	98.544	ug/l	99
59) 2-Hexanone	9.49	43	358923	99.955	ug/l	100
60) Dibromochloromethane	9.58	129	46804	20.156	ug/l	98
61) 1,2-Dibromoethane	9.67	107	50883	20.086	ug/l	99
64) Tetrachloroethene	9.33	164	37927	19.956	ug/l	97
65) Chlorobenzene	10.14	112	122656	20.084	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	42563	20.084	ug/l	98
67) Ethyl Benzene	10.25	91	228858	19.972	ug/l	100
68) m/p-Xylenes	10.36	106	167790	40.757	ug/l	100
69) o-Xylene	10.70	106	82267	20.434	ug/l	100
70) Styrene	10.71	104	142485	20.402	ug/l	100
71) Bromoform	10.85	173	31935	19.438	ug/l #	98
73) Isopropylbenzene	11.02	105	218600	20.449	ug/l	100
74) N-amyl acetate	10.90	43	125502	20.053	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	82981	19.534	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	77810m	21.938	ug/l	
77) Bromobenzene	11.26	156	50878	20.043	ug/l	99
78) n-propylbenzene	11.36	91	255459	20.403	ug/l	100
79) 2-Chlorotoluene	11.42	91	153514	20.069	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	184920	20.328	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	23148	18.650	ug/l	90
82) 4-Chlorotoluene	11.51	91	175019	19.892	ug/l	100
83) tert-Butylbenzene	11.77	119	179849	20.815	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	186170	20.482	ug/l	99
85) sec-Butylbenzene	11.94	105	212784	20.474	ug/l	99
86) p-Isopropyltoluene	12.06	119	188613	20.591	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	91164	20.014	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	91256	19.662	ug/l	99
89) n-Butylbenzene	12.38	91	174423	19.964	ug/l	99
90) Hexachloroethane	12.60	117	29865	19.698	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	91532	19.793	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18153	20.084	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	61255	19.597	ug/l	99
94) Hexachlorobutadiene	13.78	225	29262	19.829	ug/l	98
95) Naphthalene	13.83	128	222497	20.435	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	63609	20.261	ug/l	99

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

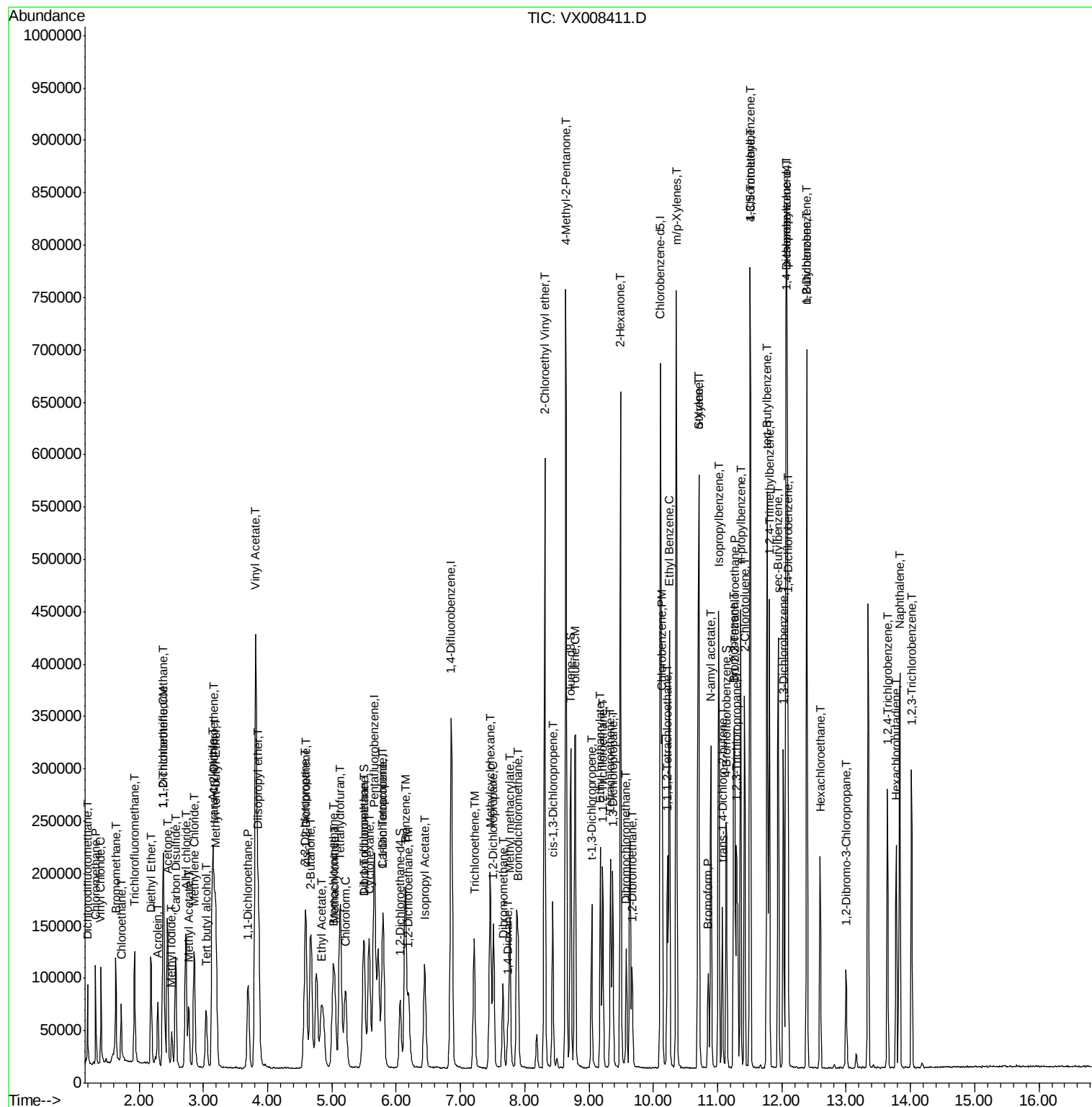
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Data File : VX008411.D
Acq On : 25 Mar 2019 14:30
Operator : JC/SP
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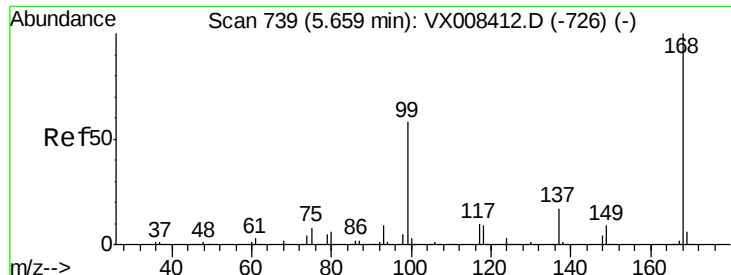
Instrument :
MSVOA_X
Client Sample Id :
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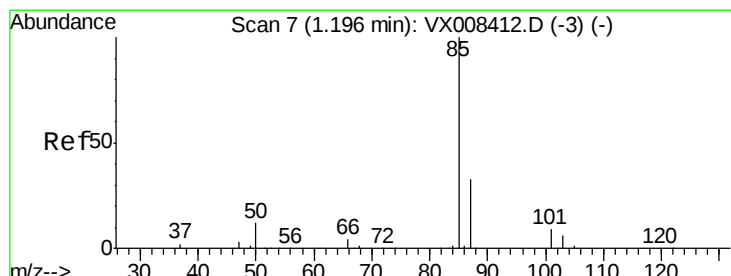
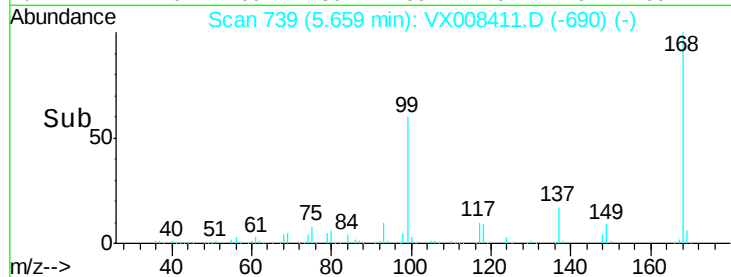
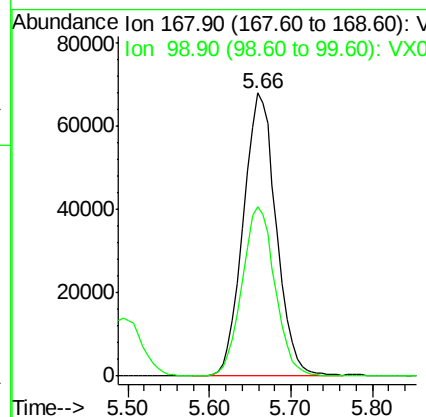
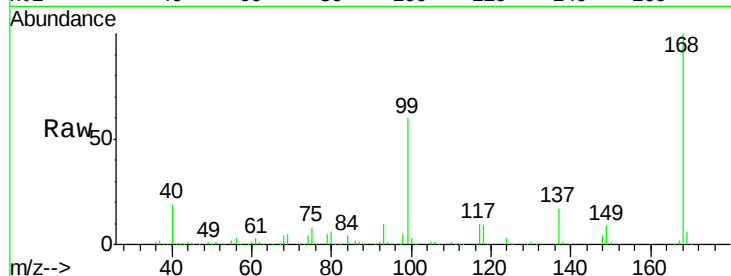
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
168	100	190890		
99	60.0	46.0	69.0	

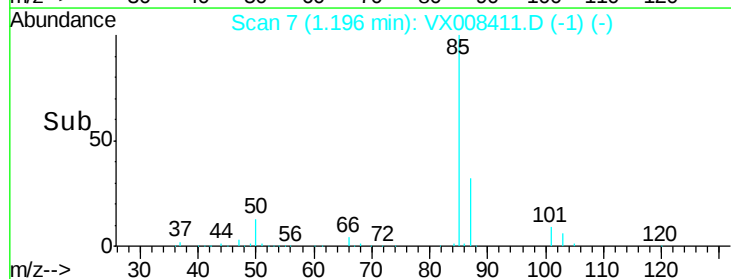
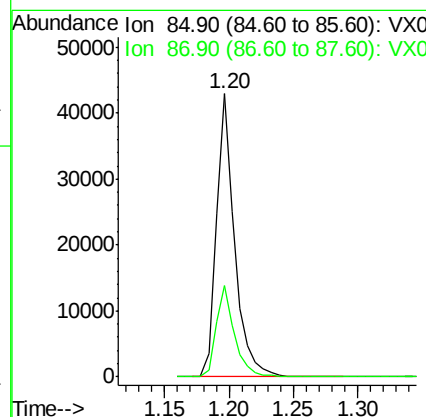
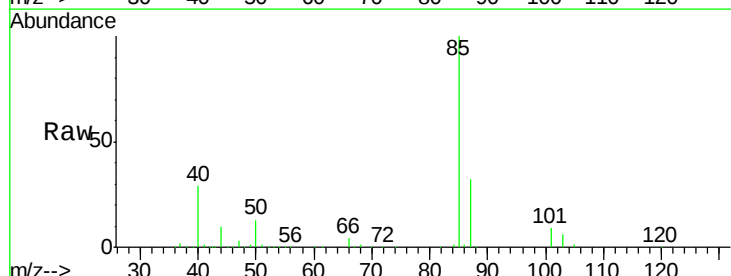
Manual Integrations
APPROVED

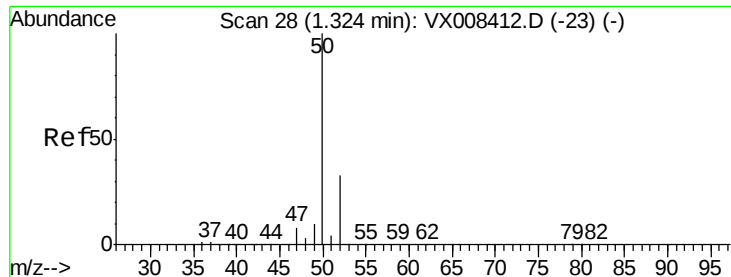
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#2
Dichlorodifluoromethane
Concen: 19.792 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	42557		
87	32.1	16.4	49.1	





#3

Chloromethane

Concen: 18.693 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 59262

Ion Ratio Lower Upper

50 100

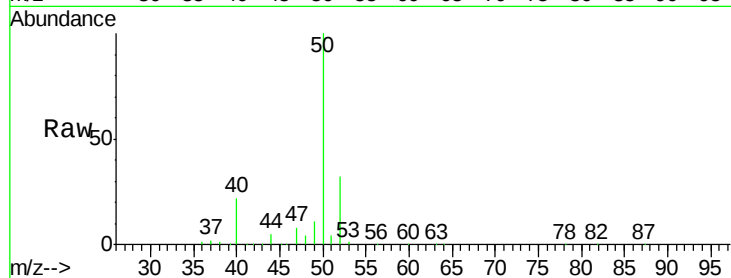
52 31.8 26.2 39.2

Manual Integrations

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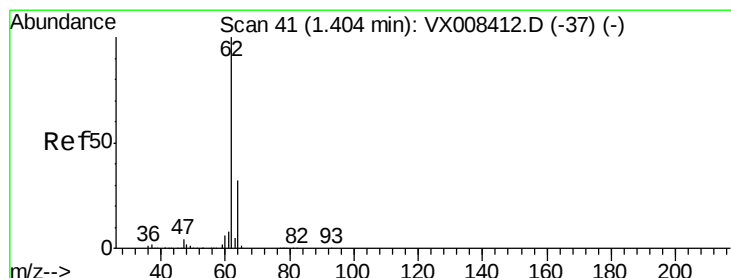
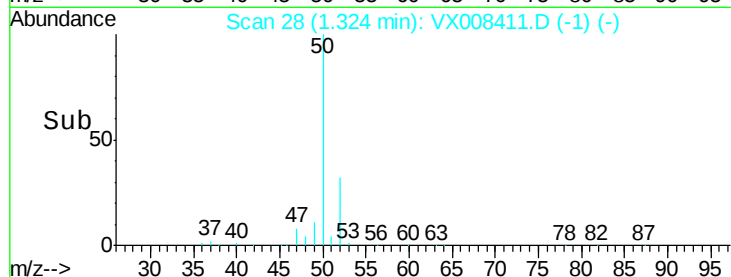
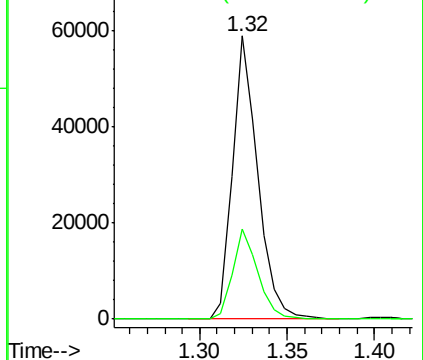
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.386 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008411.D

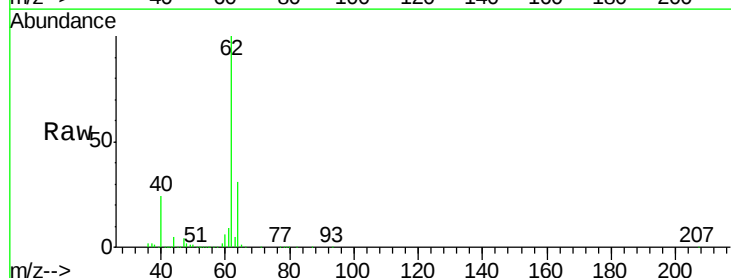
Acq: 25 Mar 2019 14:30

Tgt Ion: 62 Resp: 60278

Ion Ratio Lower Upper

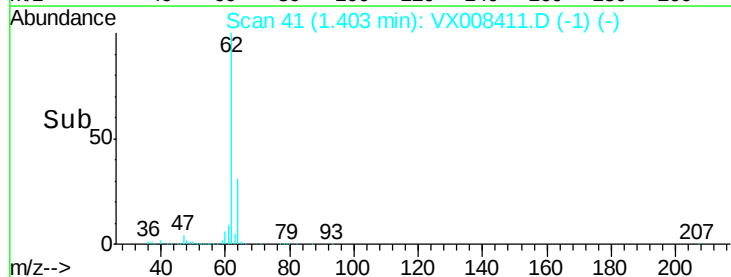
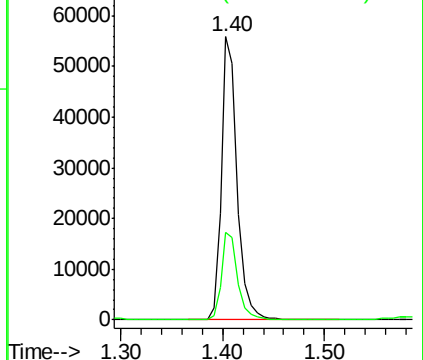
62 100

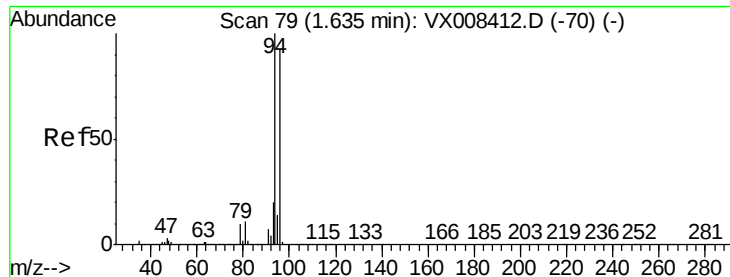
64 30.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 14.948 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 28502

Ion Ratio Lower Upper

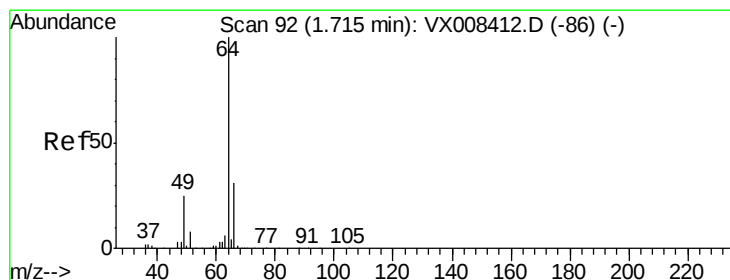
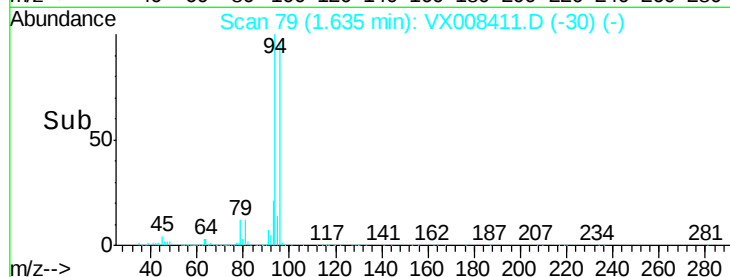
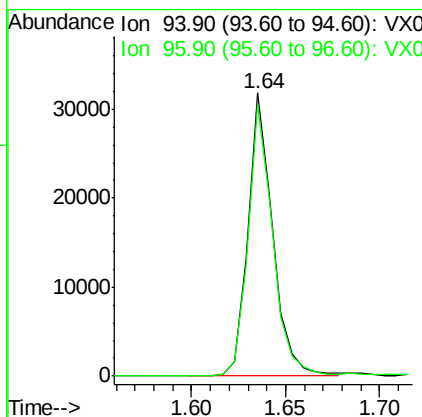
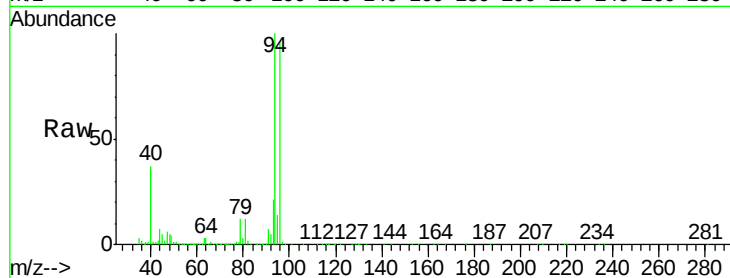
94 100

96 96.1 74.8 112.2

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#6

Chloroethane

Concen: 20.904 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008411.D

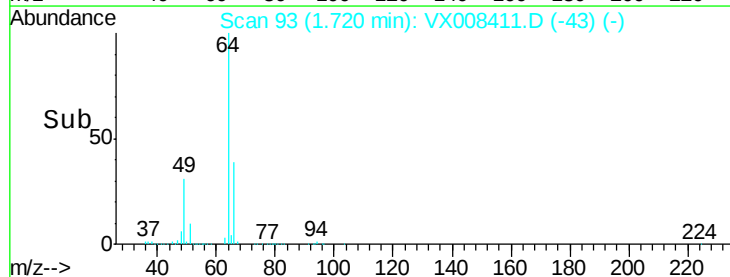
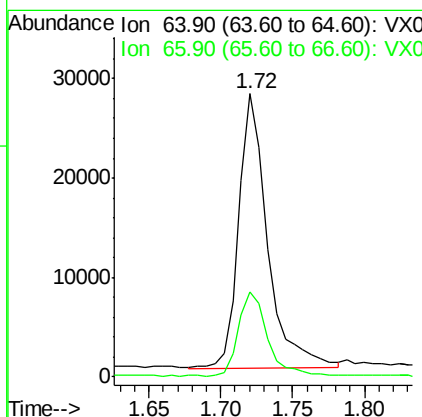
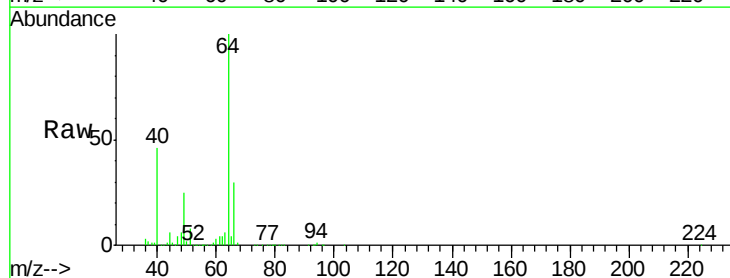
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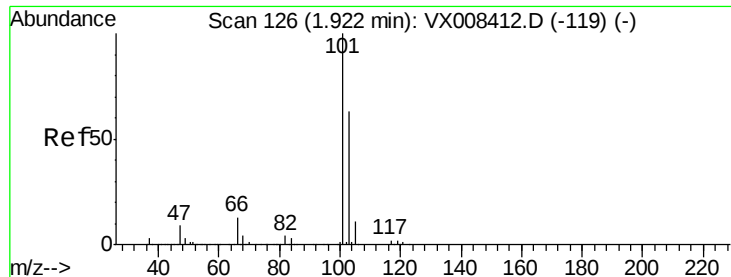
Tgt Ion: 64 Resp: 38527

Ion Ratio Lower Upper

64 100

66 30.5 25.1 37.7





#7

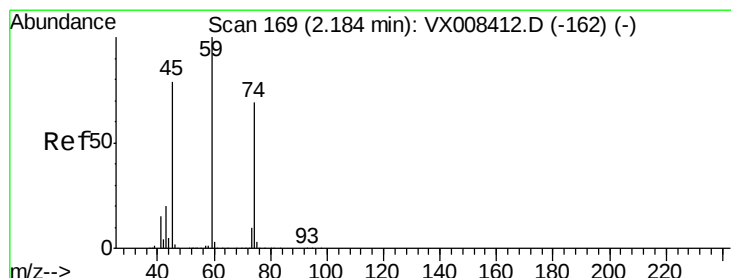
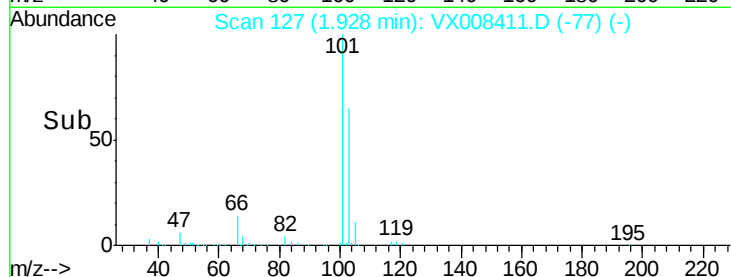
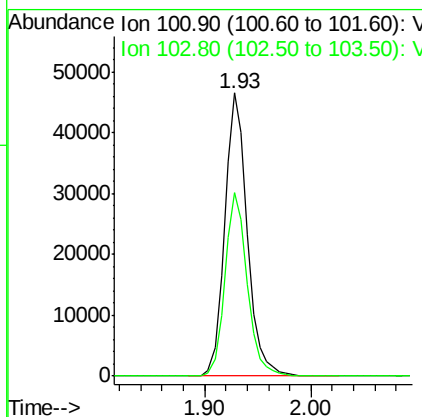
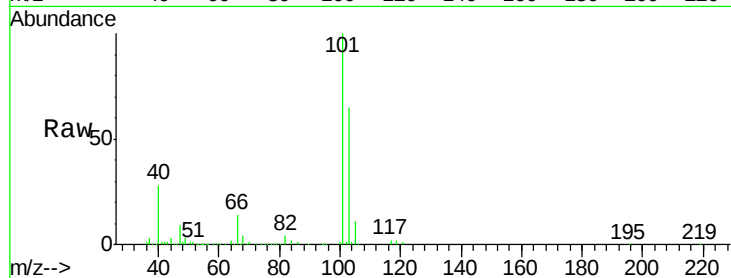
Trichlorofluoromethane
 Concen: 19.500 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX008411.D
 Acq: 25 Mar 2019 14:30

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.2	75.4

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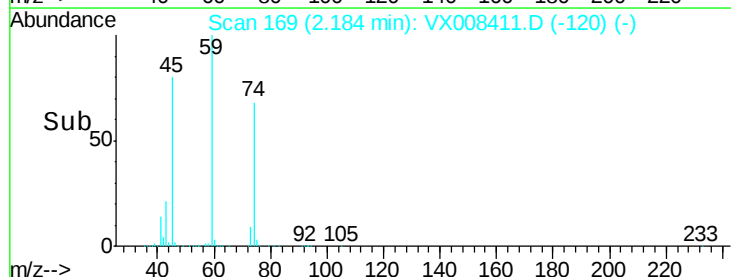
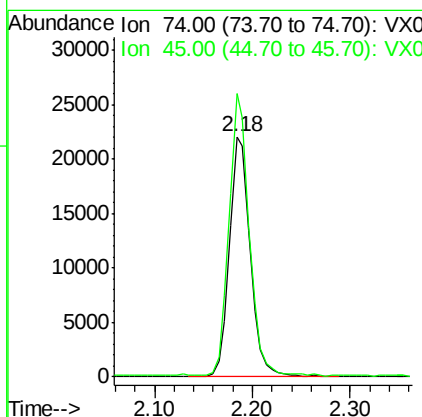
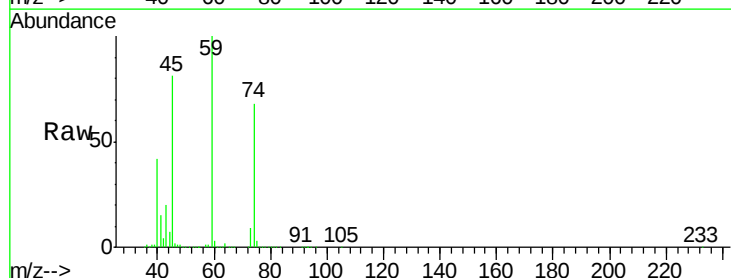
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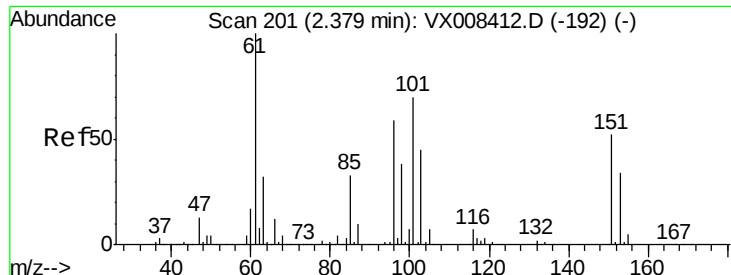


#8

Diethyl Ether
 Concen: 19.321 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX008411.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.8	56.4	169.2





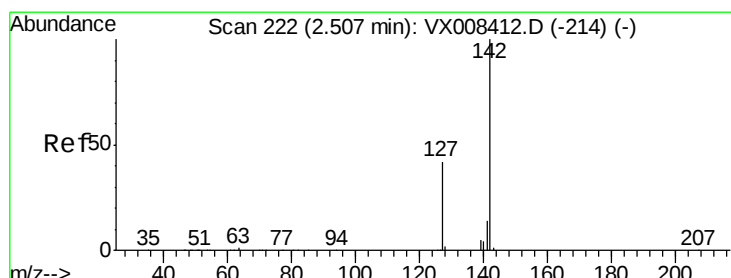
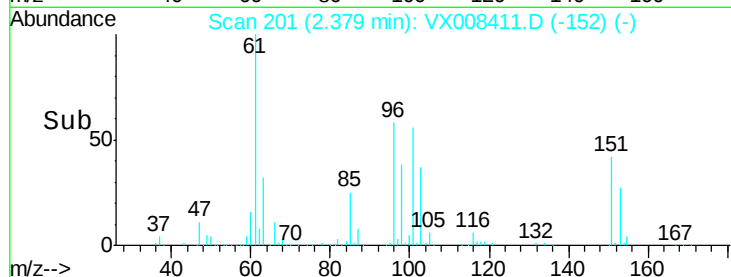
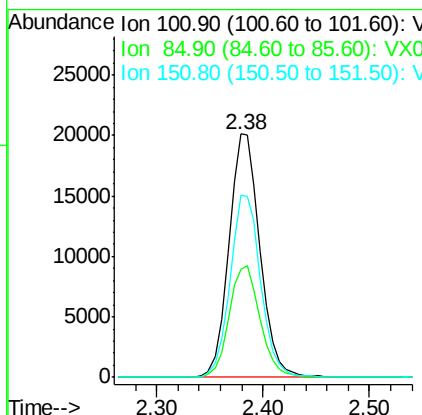
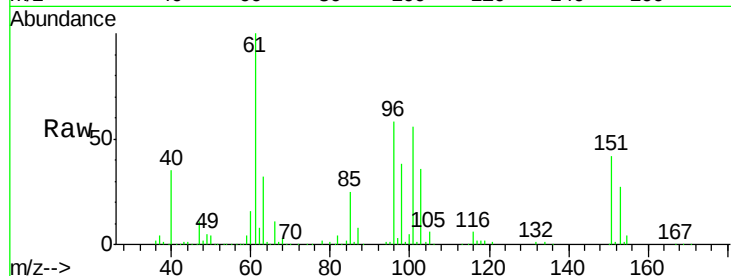
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.581 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.0	54.0
151	74.0	59.2	88.8

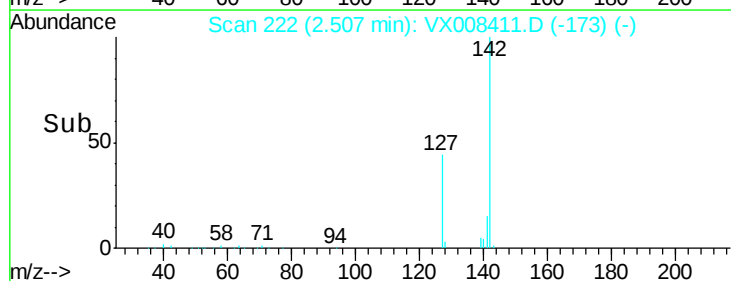
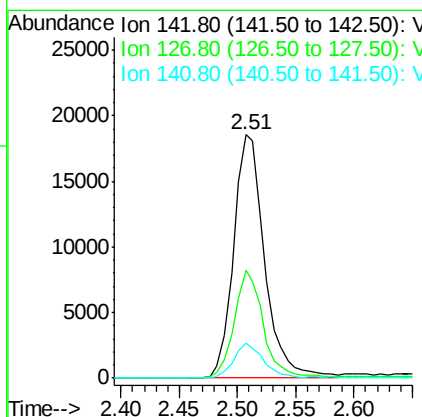
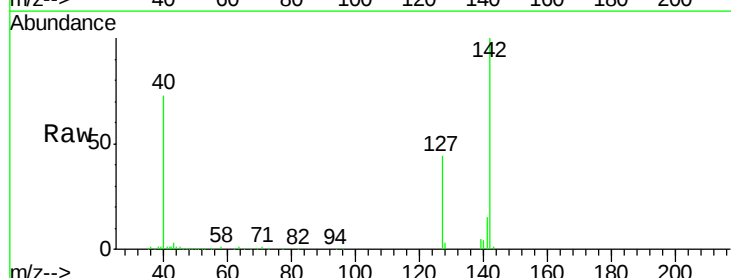
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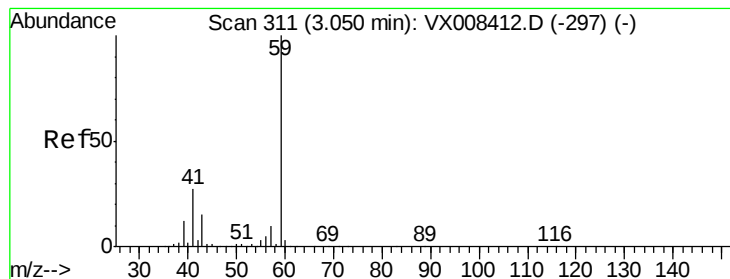
MMDadoda
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#10
Methyl Iodide
Concen: 13.651 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.9	33.6	50.4
141	13.8	11.3	16.9





#11

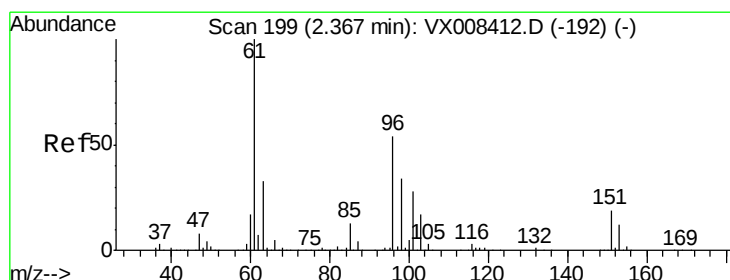
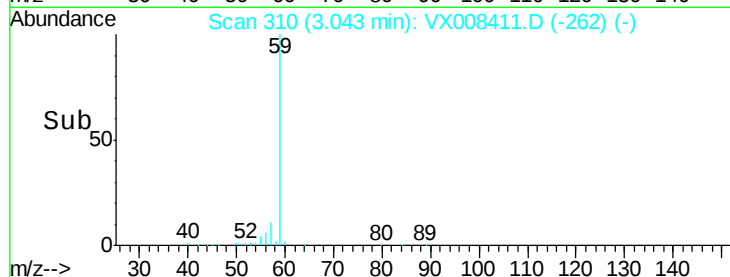
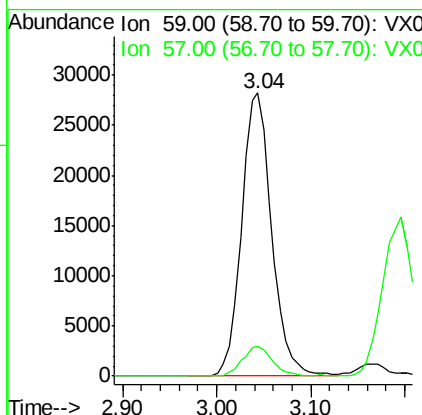
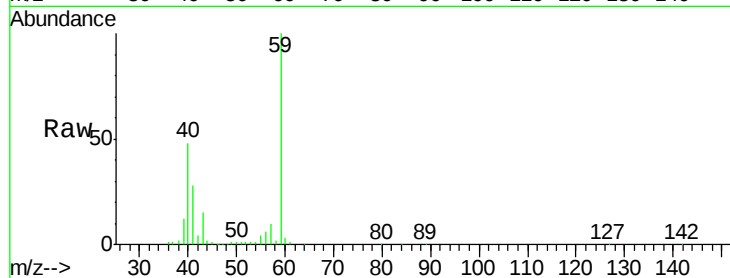
Tert butyl alcohol
 Concen: 97.141 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX008411.D
 Acq: 25 Mar 2019 14:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	59	Resp	62939
Ion Ratio	100	Lower	Upper
57	10.6	8.2	12.4

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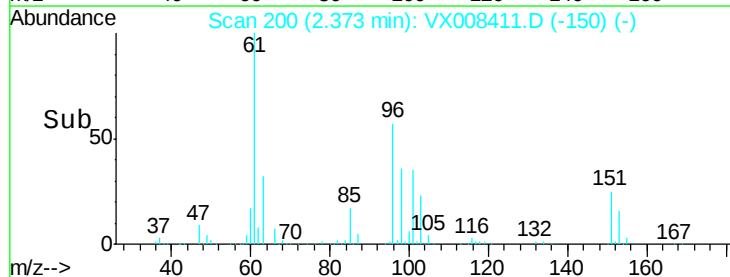
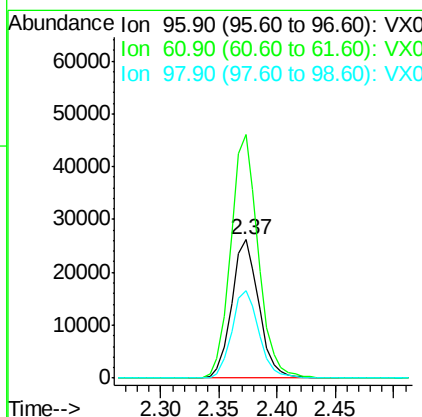
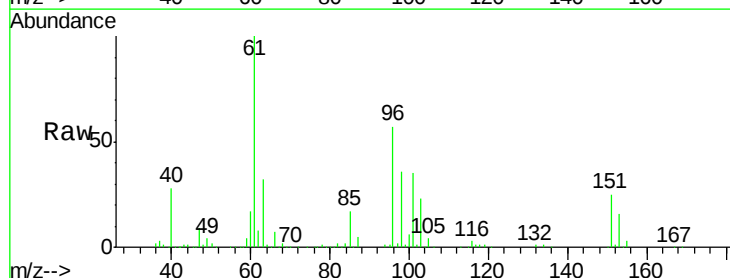
MMDadoda
 3/26/2019 9:46:30 AM

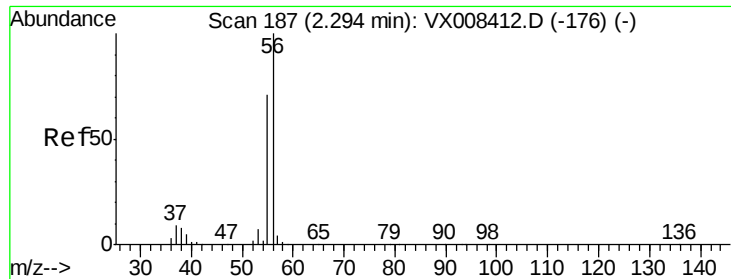


#12

1,1-Dichloroethene
 Concen: 19.679 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX008411.D
 Acq: 25 Mar 2019 14:30

Tgt Ion	96	Resp	42709
Ion Ratio	100	Lower	Upper
61	175.7	146.9	220.3
98	63.3	50.1	75.1





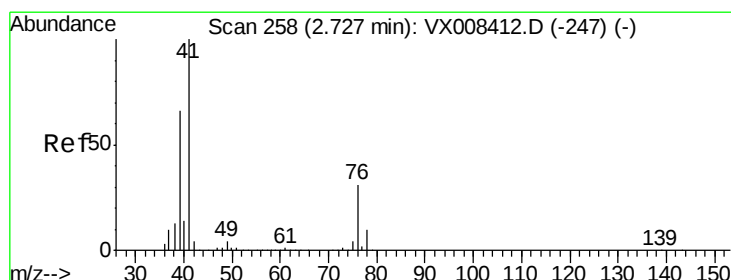
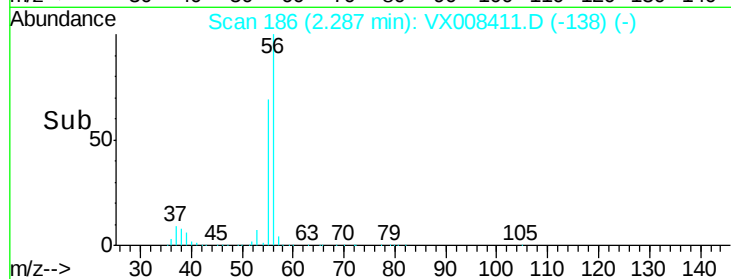
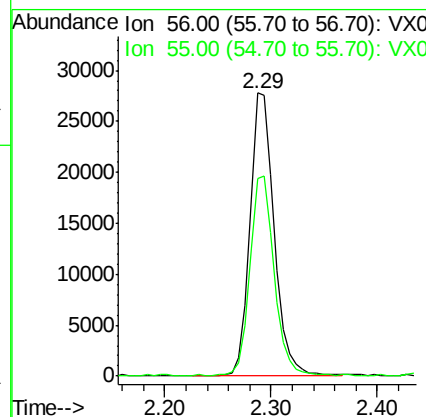
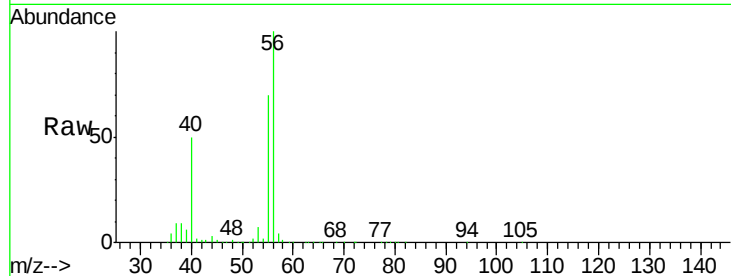
#13
Acrolein
Concen: 84.731 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	Lower	Upper
44710	100			
55	70.4	56.5	84.7	

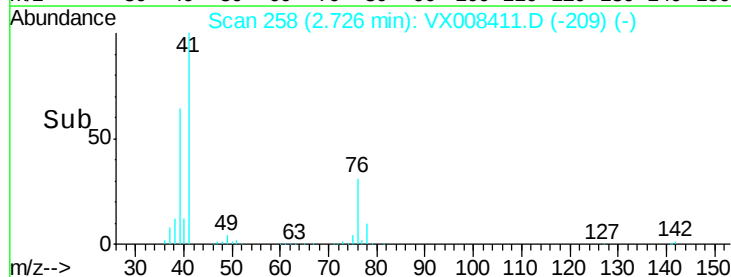
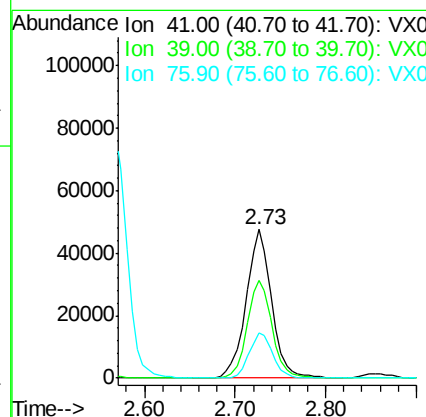
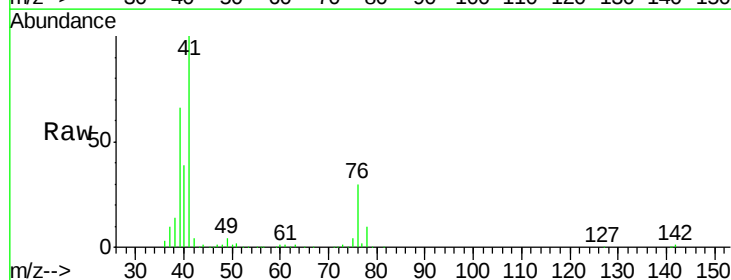
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#14
Allyl chloride
Concen: 19.251 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Tgt Ion	41	Resp	Lower	Upper
92111	100			
39	63.2	49.6	74.4	
76	28.7	22.6	34.0	





#15

Acrylonitrile

Concen: 97.613 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

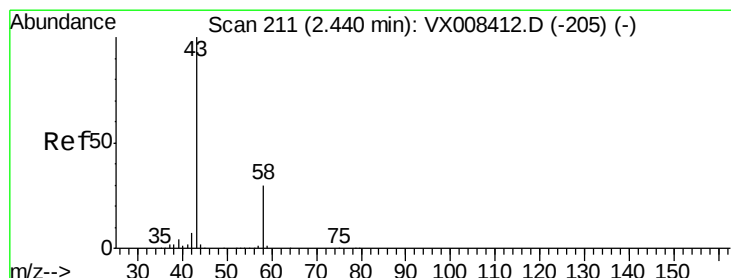
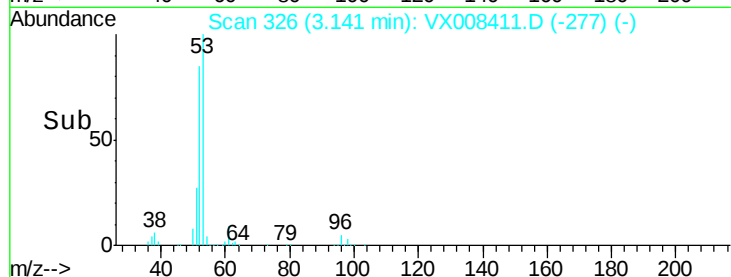
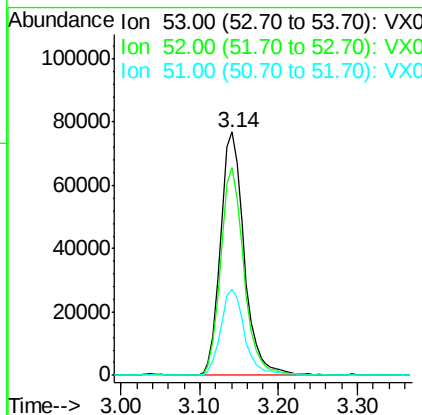
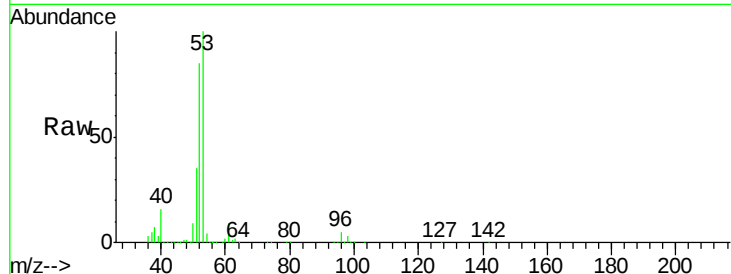
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	160980
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.5	99.7
51	35.4	28.3	42.5

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#16

Acetone

Concen: 104.741 ug/l

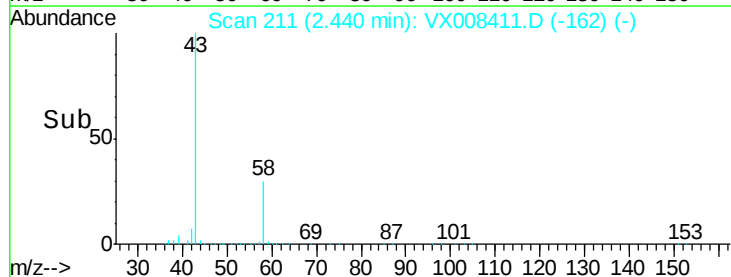
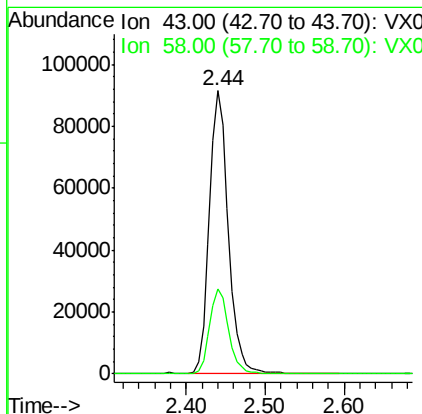
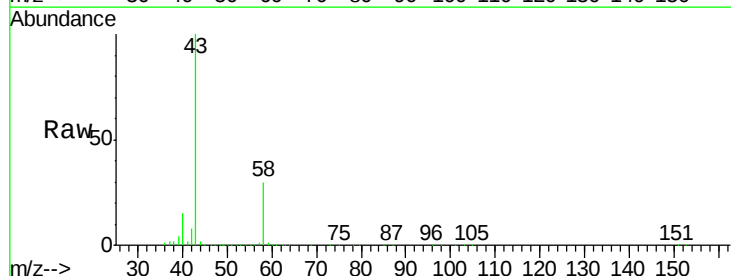
RT: 2.44 min Scan# 211

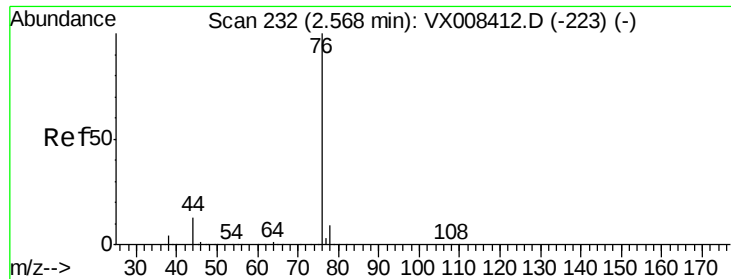
Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Tgt Ion:	43	Resp:	152319
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.2	36.2





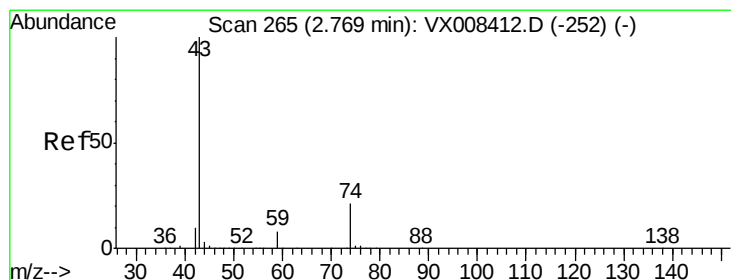
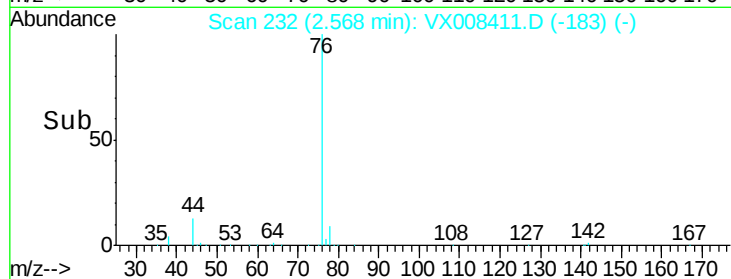
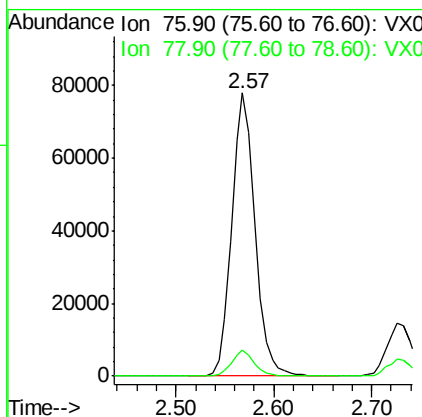
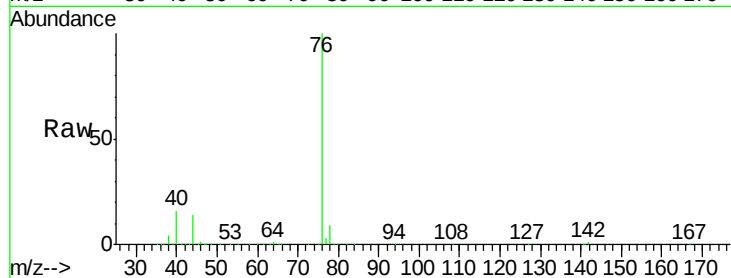
#17
Carbon Disulfide
Concen: 18.561 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

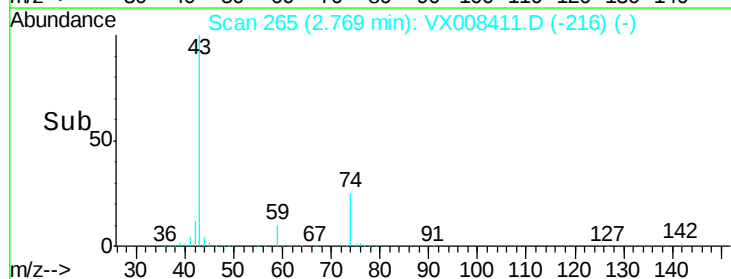
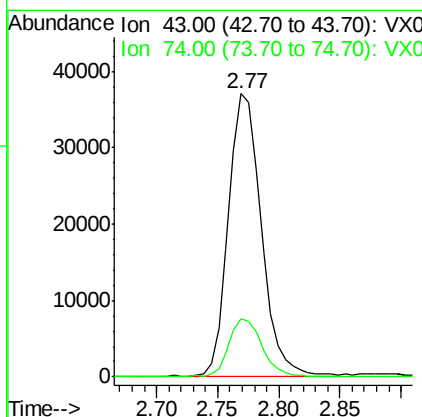
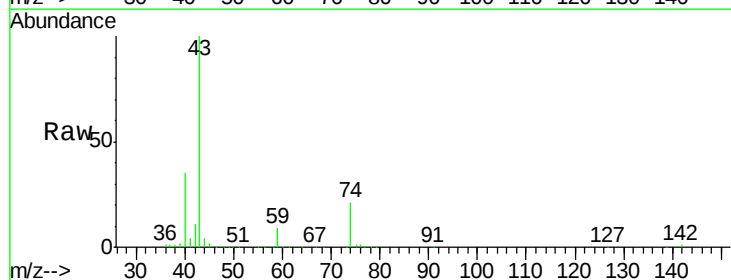
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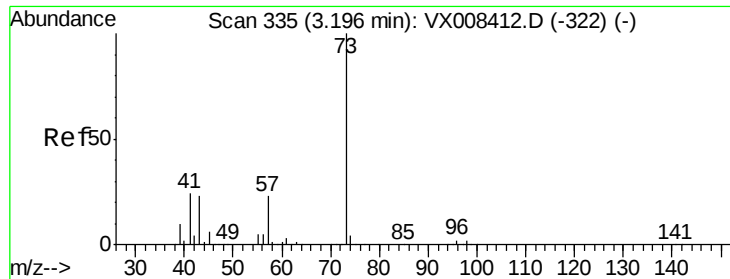
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#18
Methyl Acetate
Concen: 19.154 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	16.7	25.1





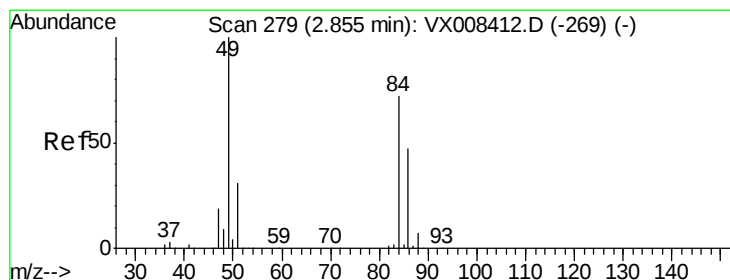
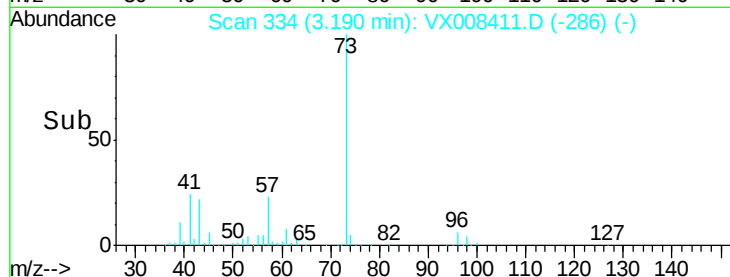
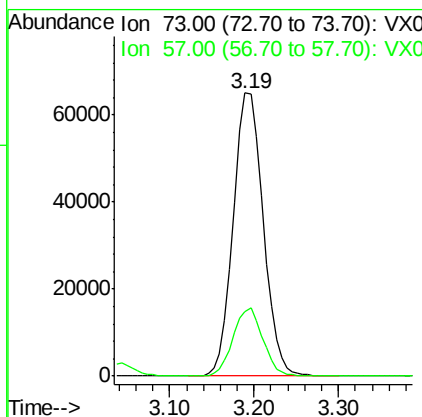
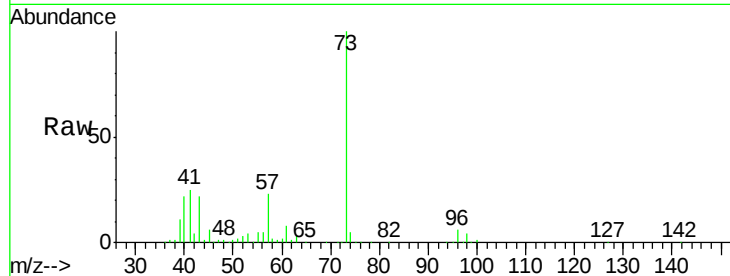
#19
Methyl tert-butyl Ether
Concen: 20.042 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 156471
Ion Ratio Lower Upper
73 100
57 22.7 18.6 28.0

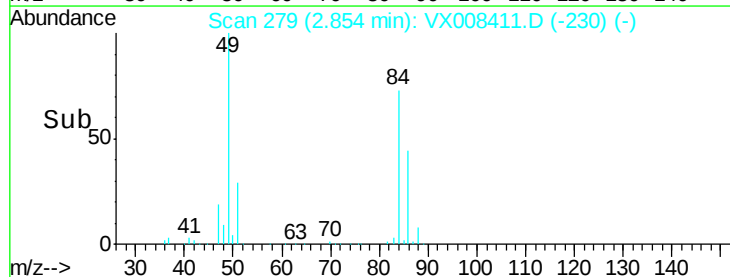
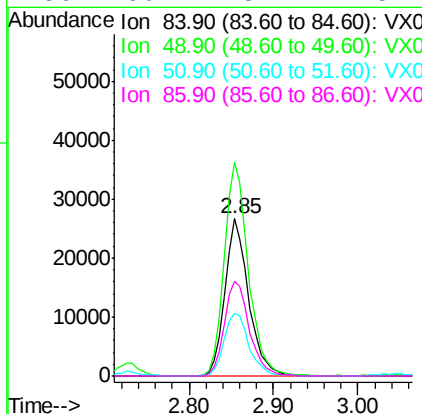
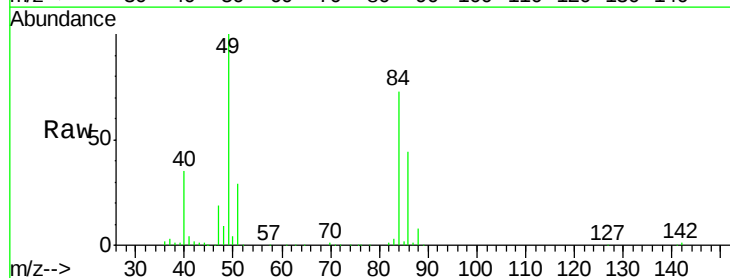
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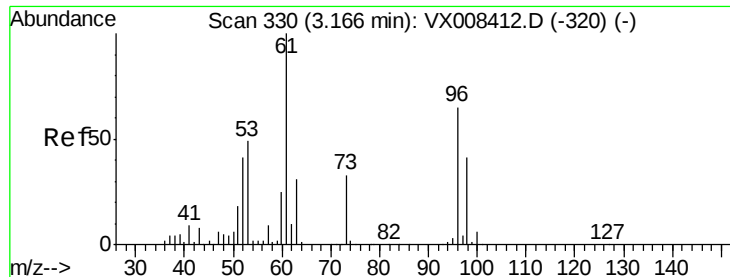
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#20
Methylene Chloride
Concen: 19.606 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Tgt Ion: 84 Resp: 51349
Ion Ratio Lower Upper
84 100
49 136.1 110.6 165.8
51 40.1 33.9 50.9
86 60.1 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 19.355 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

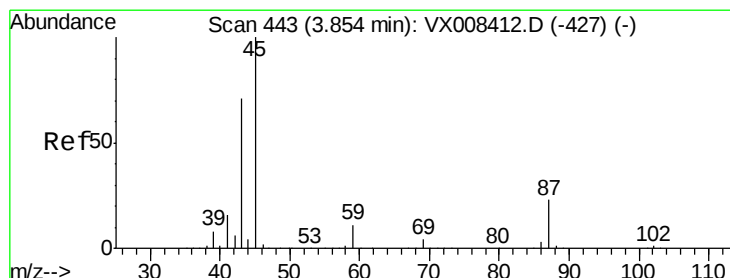
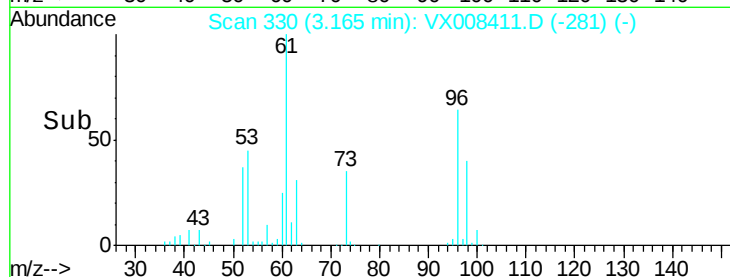
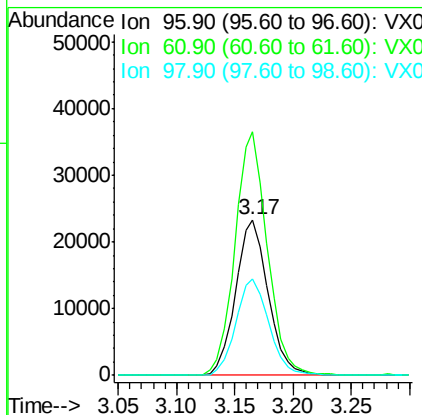
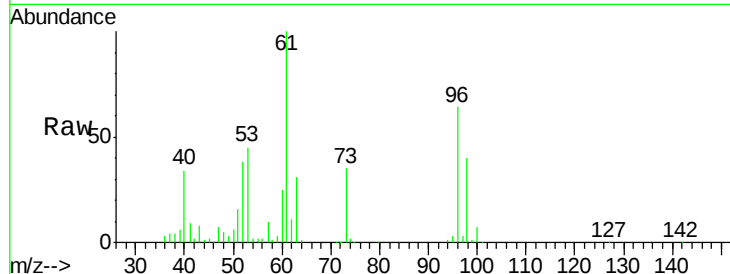
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	45324
Ion	Ratio	Lower	Upper
96	100		
61	156.4	122.6	184.0
98	62.1	50.9	76.3

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#22

Diisopropyl ether

Concen: 20.282 ug/l

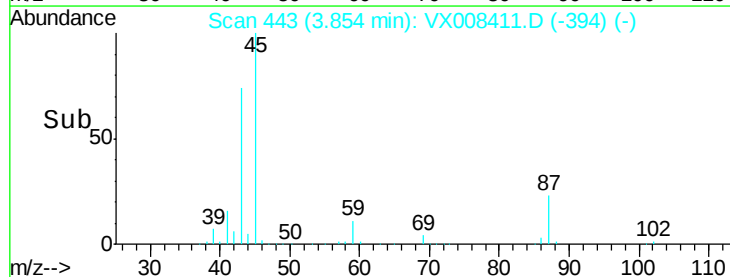
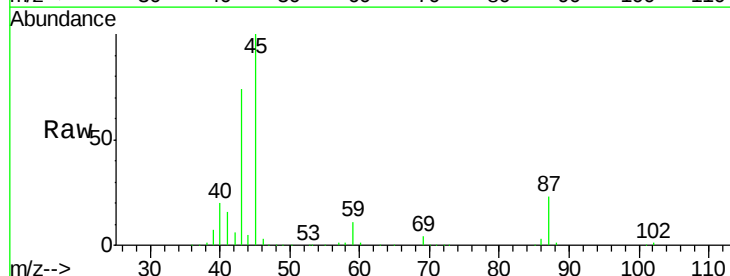
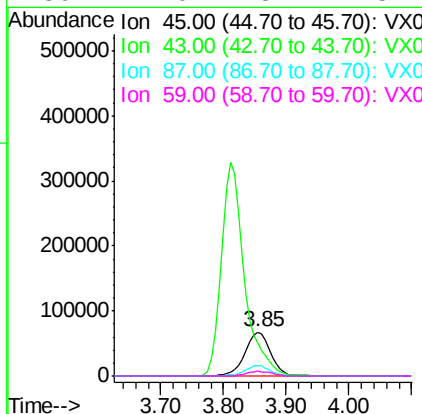
RT: 3.85 min Scan# 443

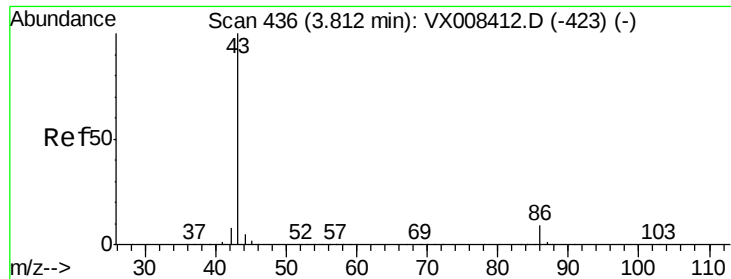
Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Tgt Ion:	45	Resp:	189282
Ion	Ratio	Lower	Upper
45	100		
43	74.1	57.1	85.7
87	23.1	18.8	28.2
59	11.0	8.7	13.1





#23

Vinyl Acetate

Concen: 101.919 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 838834

Ion Ratio Lower Upper

43 100

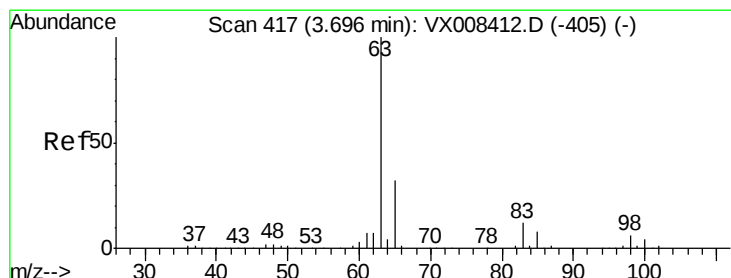
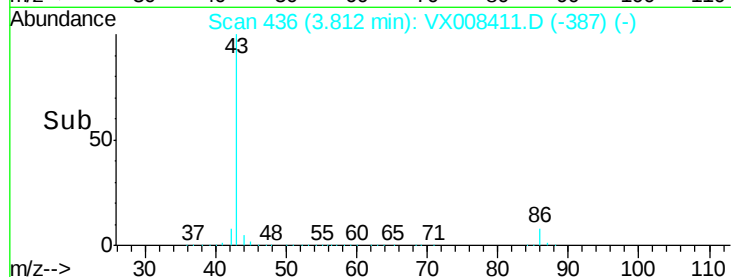
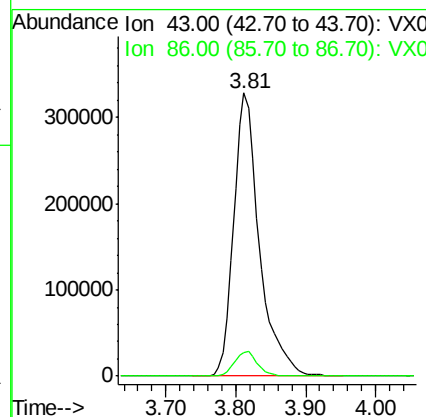
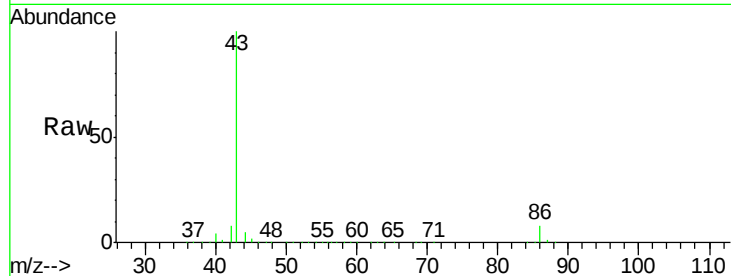
86 8.4 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 19.858 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

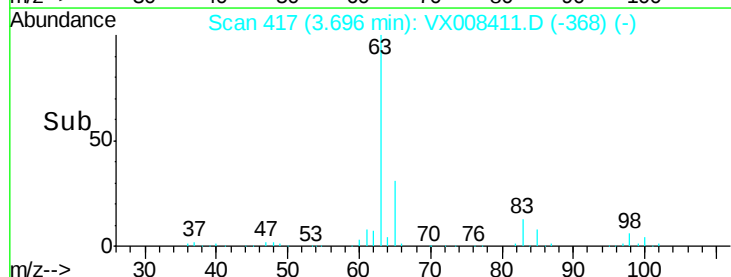
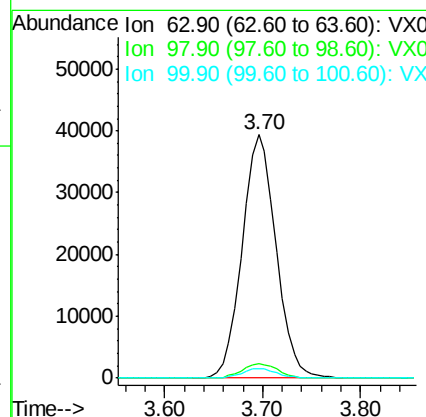
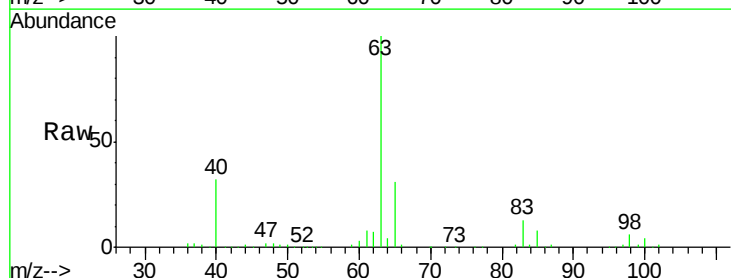
Tgt Ion: 63 Resp: 94396

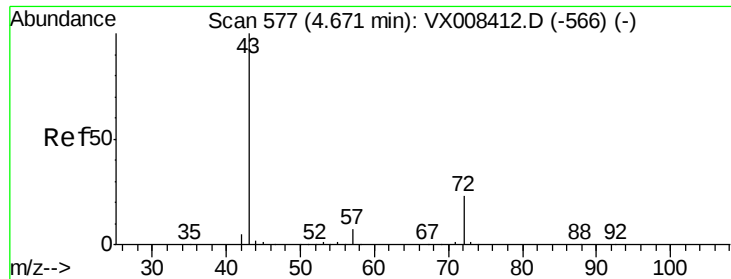
Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

100 3.8 2.0 5.8





#25

2-Butanone

Concen: 99.842 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 237897

Ion Ratio Lower Upper

43 100

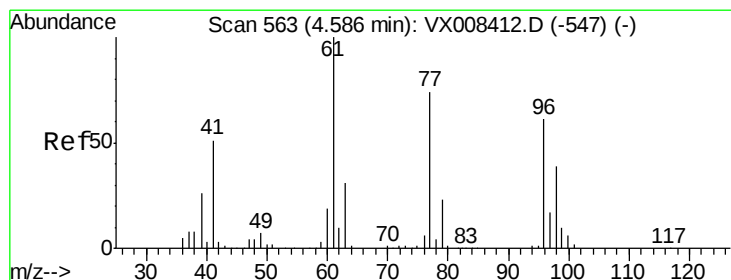
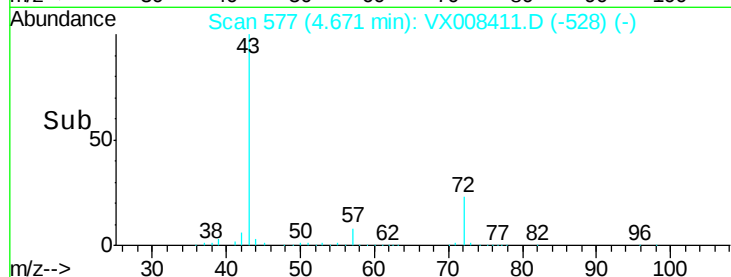
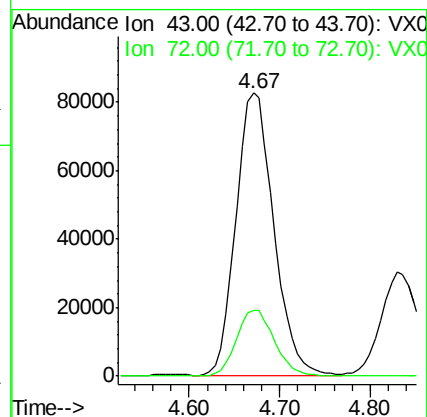
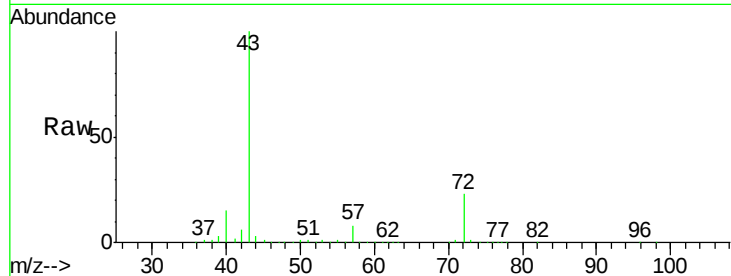
72 23.0 18.6 28.0

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#26

2,2-Dichloropropane

Concen: 20.320 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008411.D

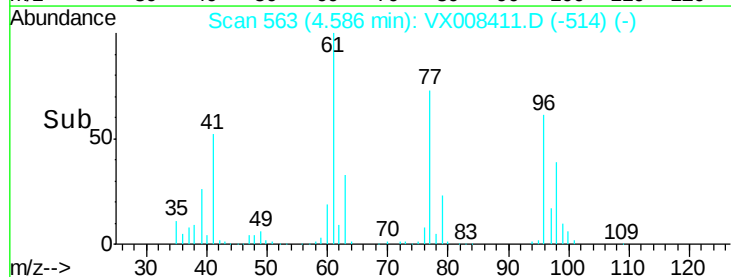
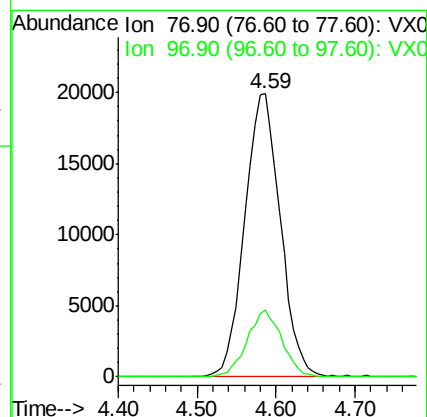
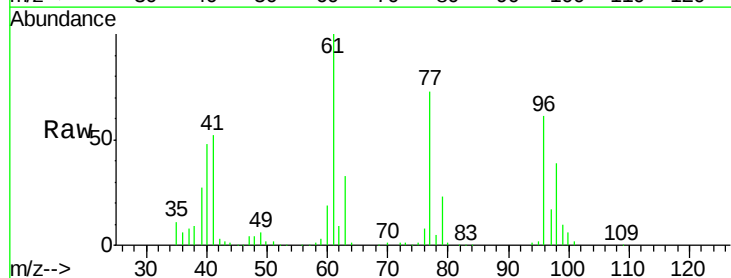
Acq: 25 Mar 2019 14:30

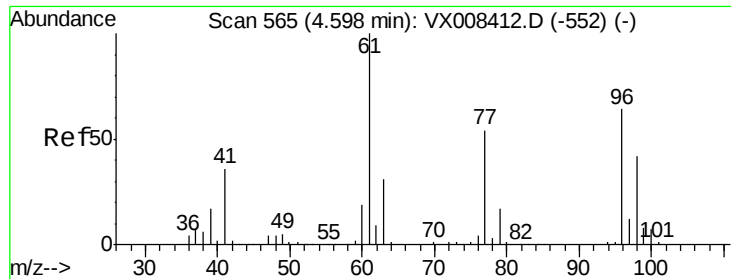
Tgt Ion: 77 Resp: 62660

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.6





#27

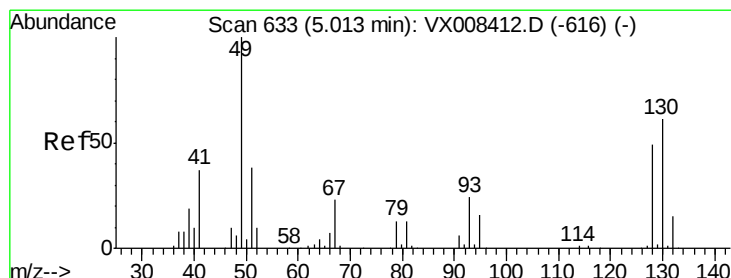
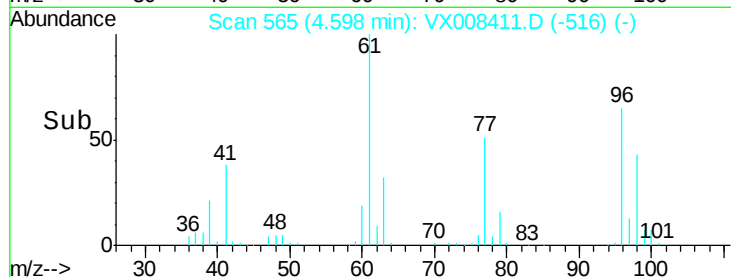
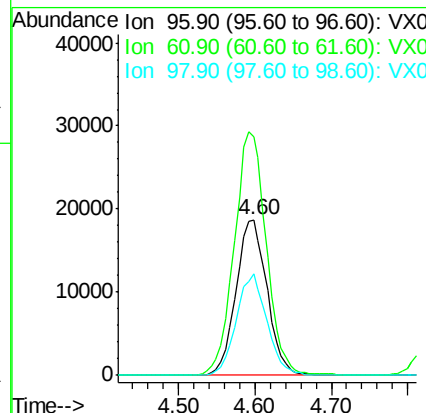
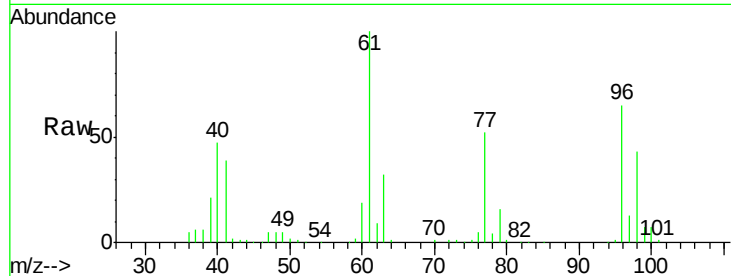
cis-1,2-Dichloroethene
Concen: 19.606 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	52615		
61	161.9	0.0	325.6	
98	64.2	0.0	130.0	

Manual Integrations
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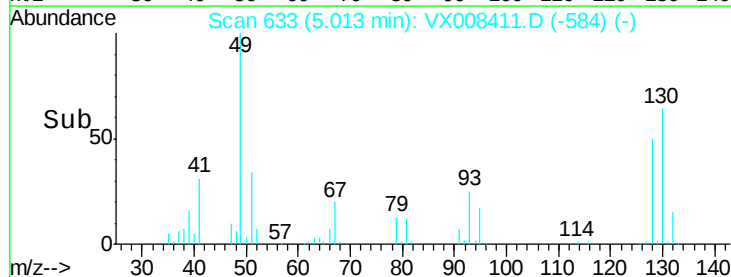
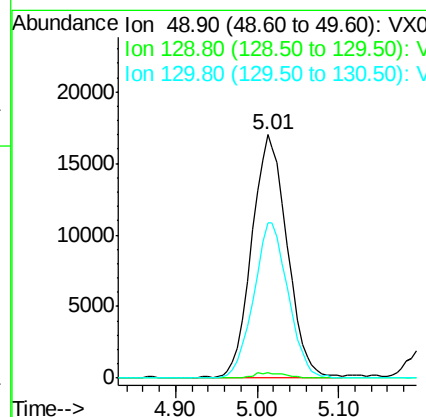
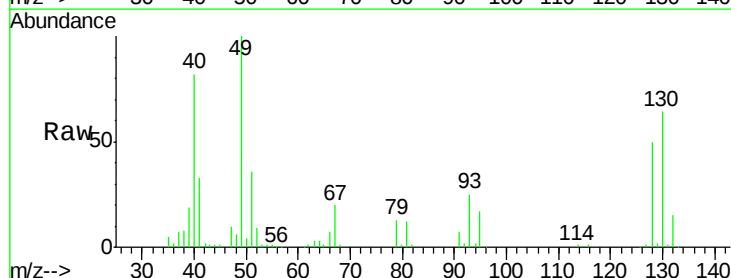
MMDadoda
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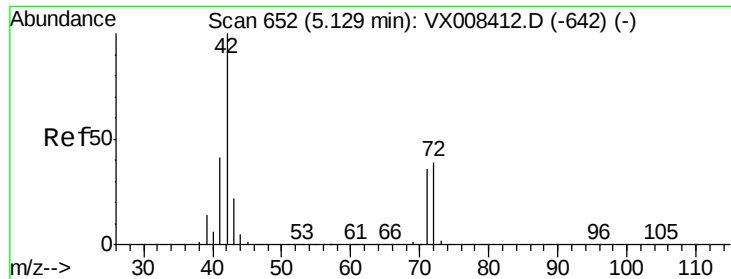


#28

Bromochloromethane
Concen: 22.008 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	51473		
129	1.9	0.0	3.4	
130	62.3	49.8	74.6	





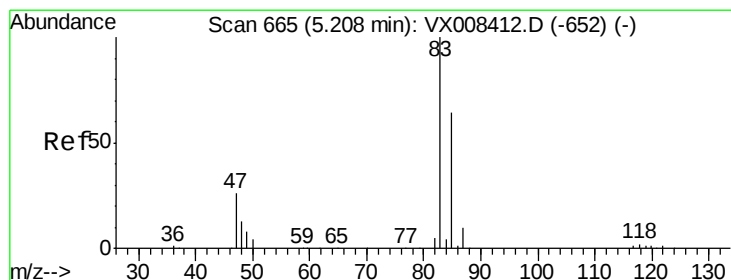
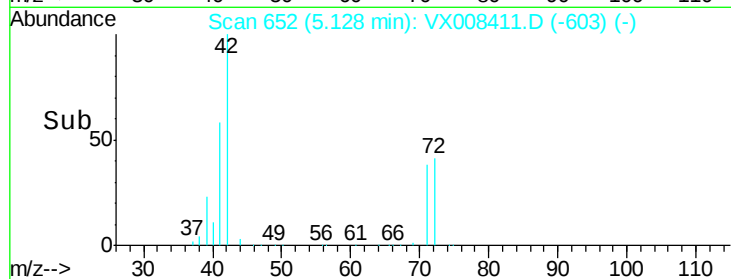
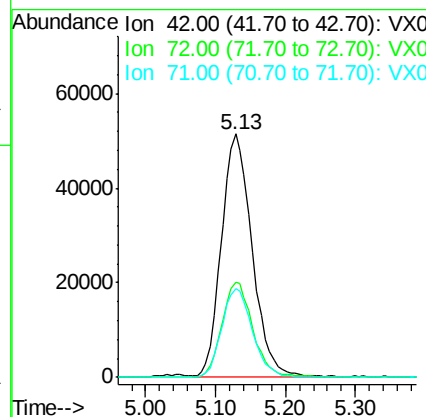
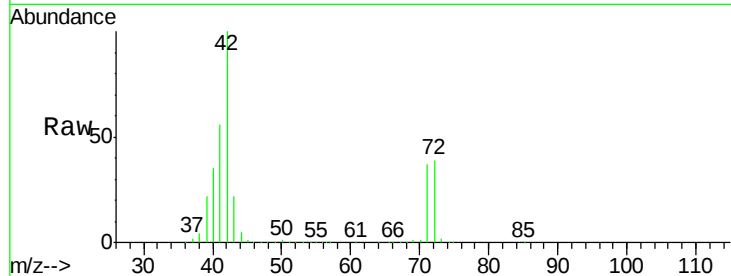
#29
Tetrahydrofuran
Concen: 98.741 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.4	47.2
71	37.0	29.4	44.2

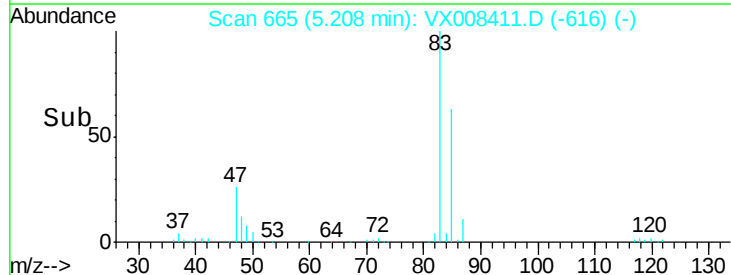
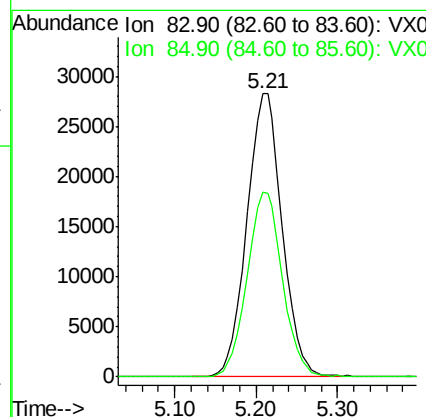
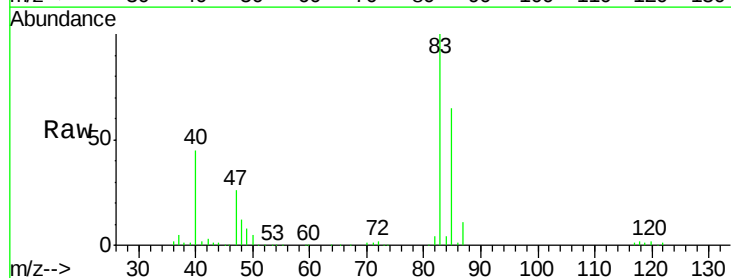
Manual Integrations
APPROVED

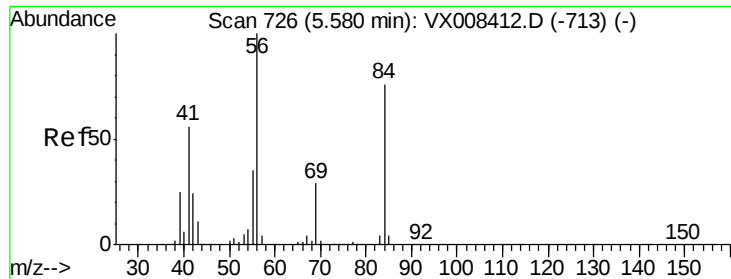
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#30
Chloroform
Concen: 19.832 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2





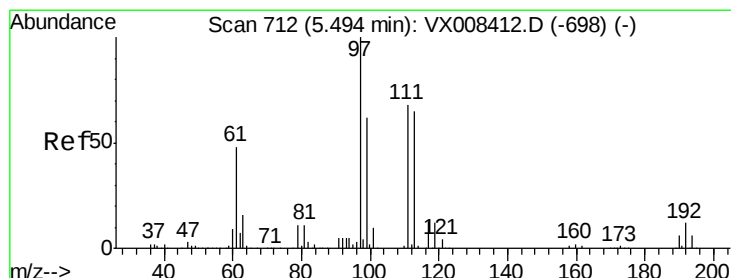
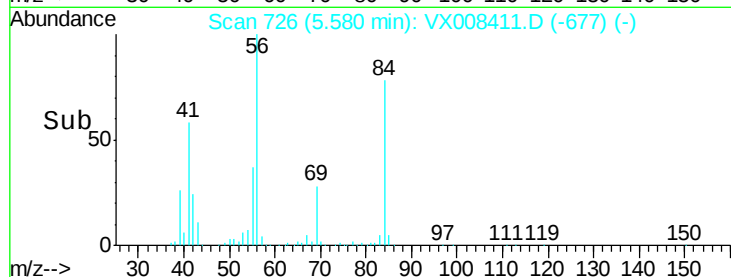
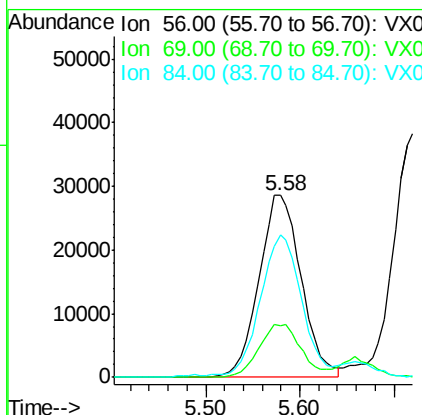
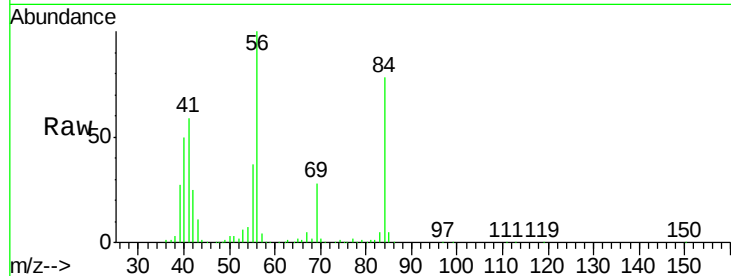
#31
Cyclohexane
Concen: 19.704 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.1	23.2	34.8
84	77.2	60.7	91.1

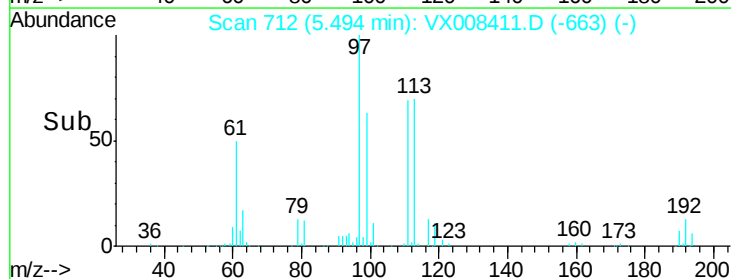
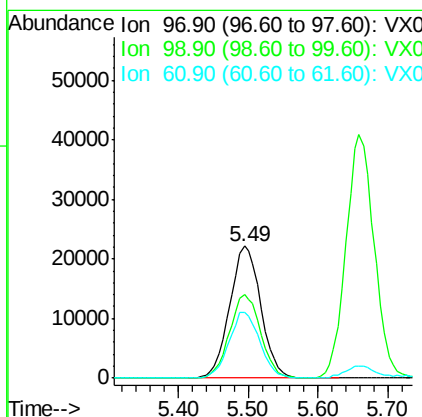
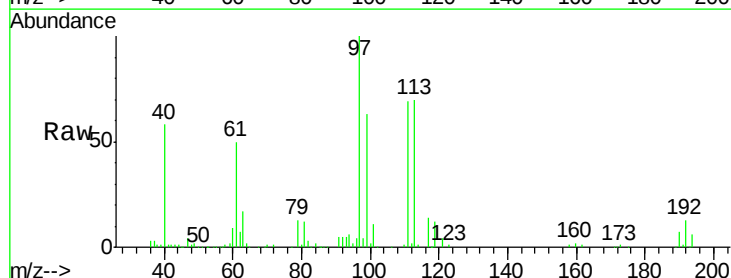
Manual Integrations
APPROVED

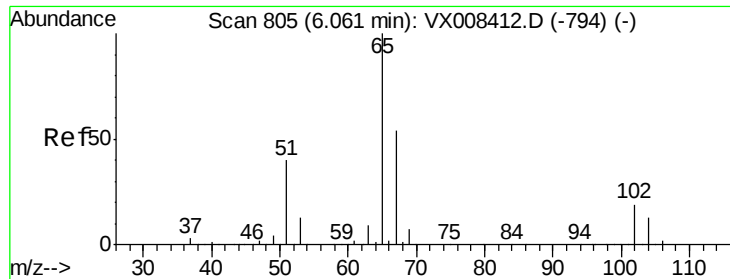
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#32
1,1,1-Trichloroethane
Concen: 20.083 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.5	77.3
61	49.6	38.8	58.2





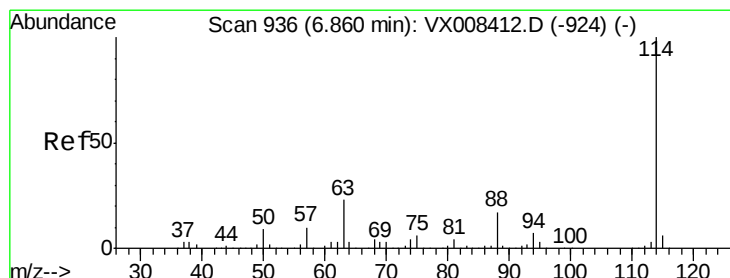
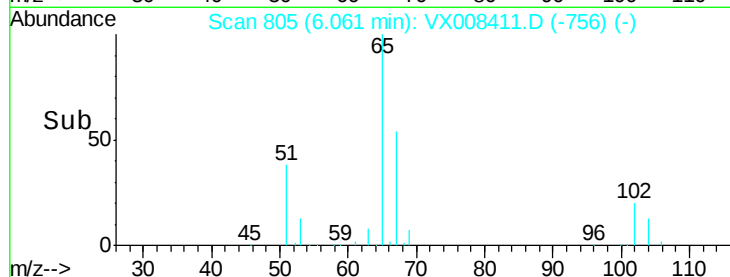
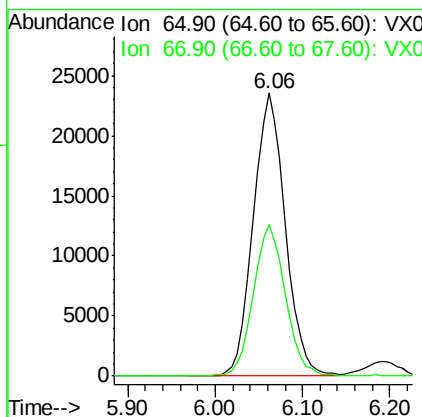
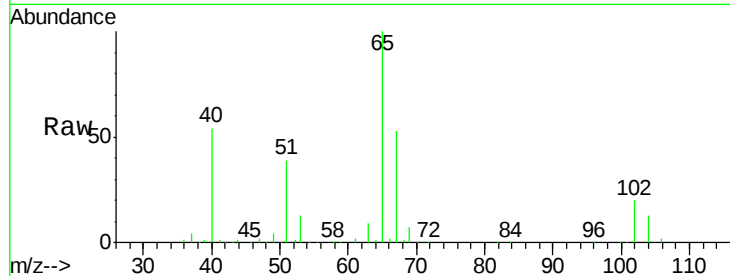
#33
 1,2-Dichloroethane-d4
 Concen: 20.833 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008411.D
 Acq: 25 Mar 2019 14:30

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	109.4

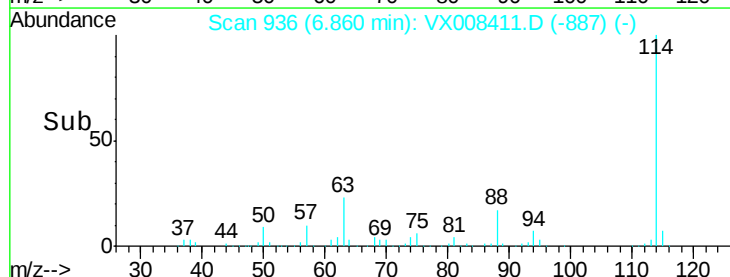
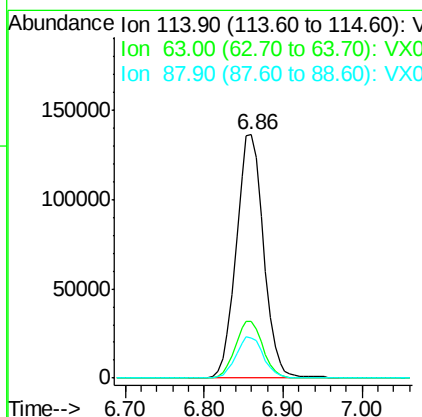
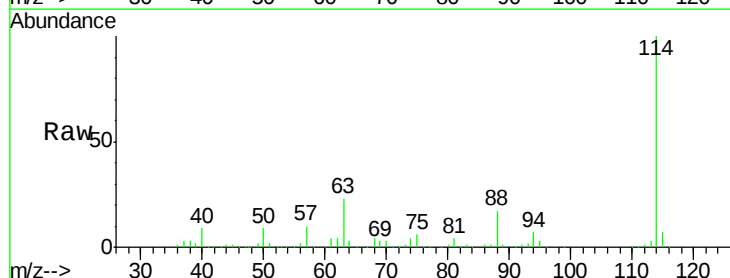
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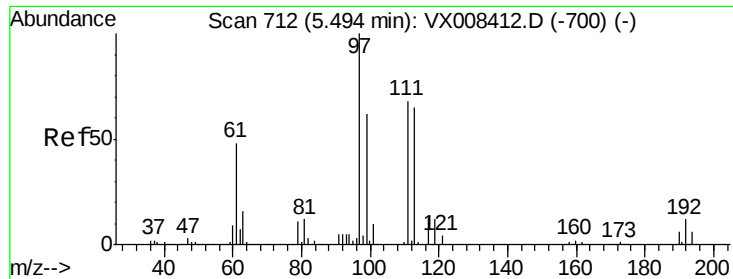
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008411.D
 Acq: 25 Mar 2019 14:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	46.4
88	16.7	0.0	33.2





#35

Dibromofluoromethane

Concen: 20.947 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

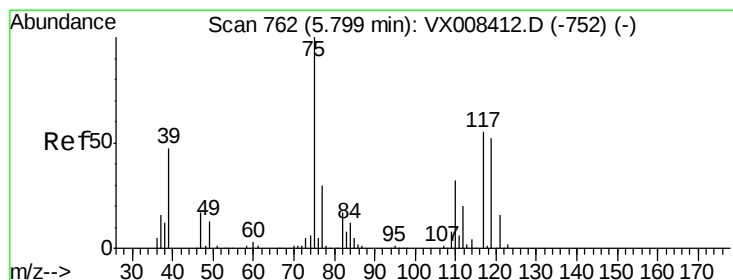
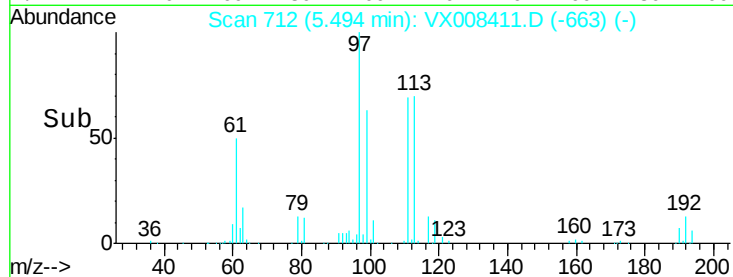
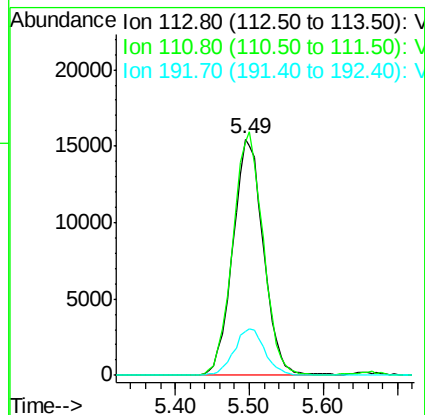
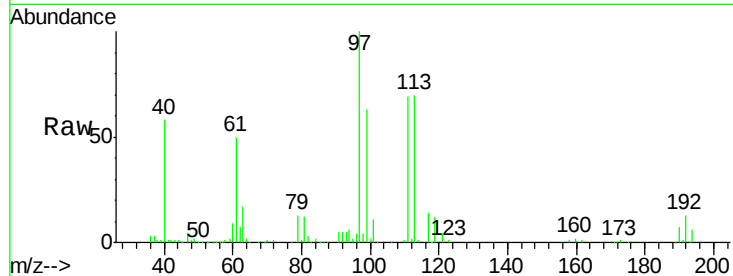
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	44572
Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.0	124.4
192	19.7	15.6	23.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.463 ug/l

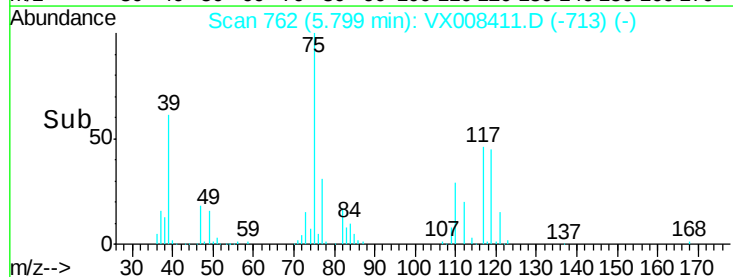
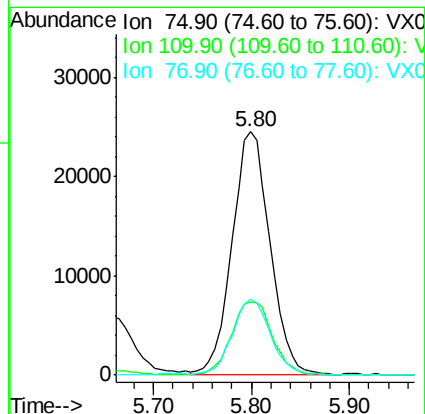
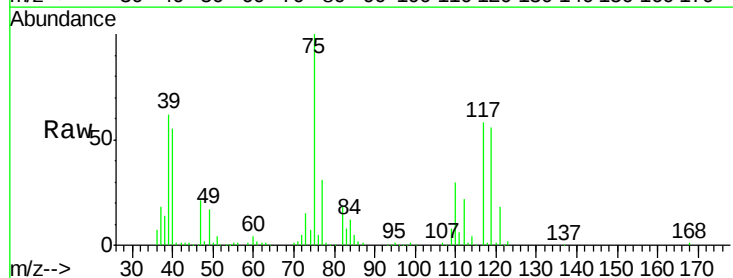
RT: 5.80 min Scan# 762

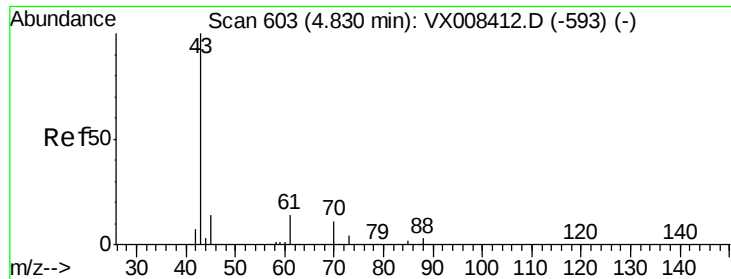
Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Tgt Ion:	75	Resp:	65340
Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.6	49.7
77	31.1	24.2	36.2





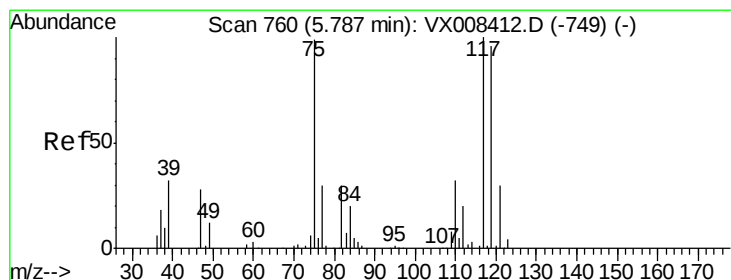
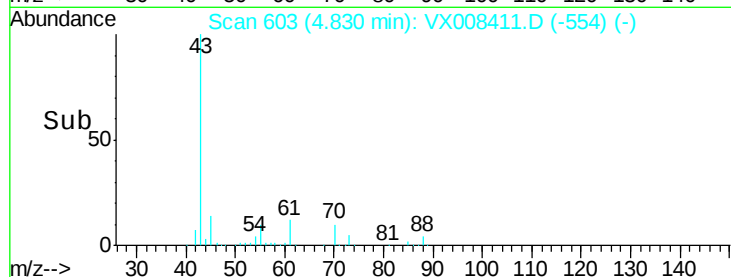
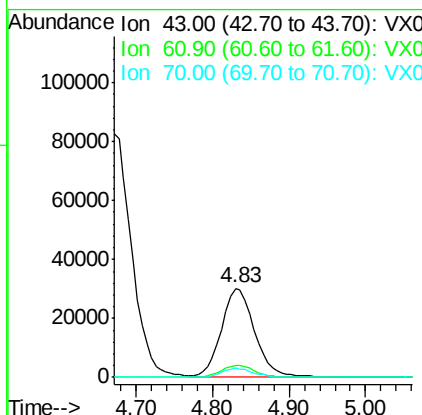
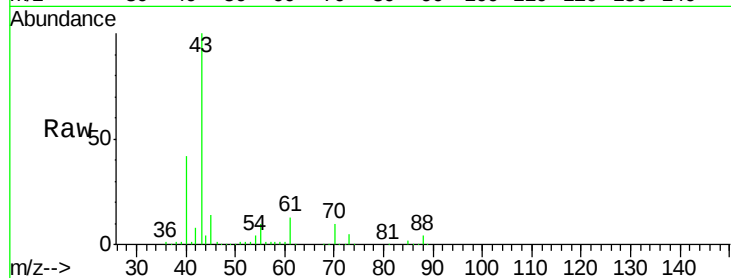
#37
Ethyl Acetate
Concen: 19.761 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	10.1	7.8	11.8

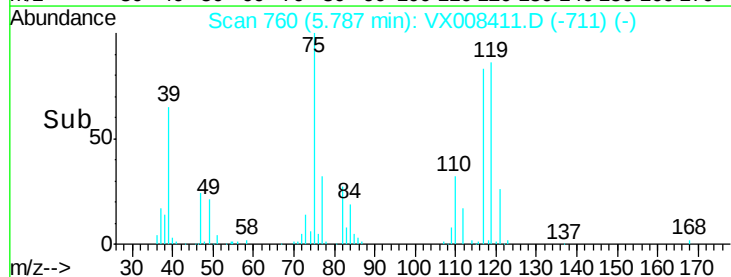
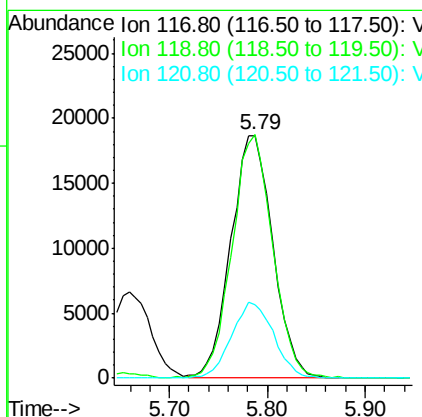
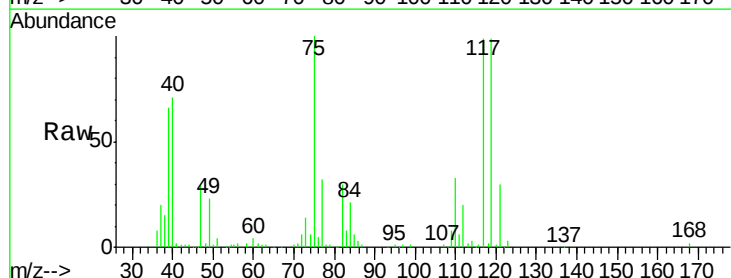
Manual Integrations
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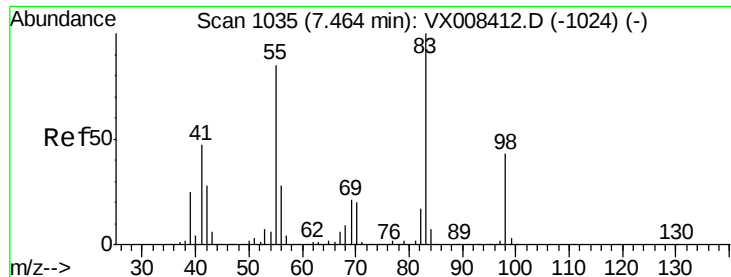
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#38
Carbon Tetrachloride
Concen: 19.253 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	76.7	115.1
121	30.4	24.3	36.5





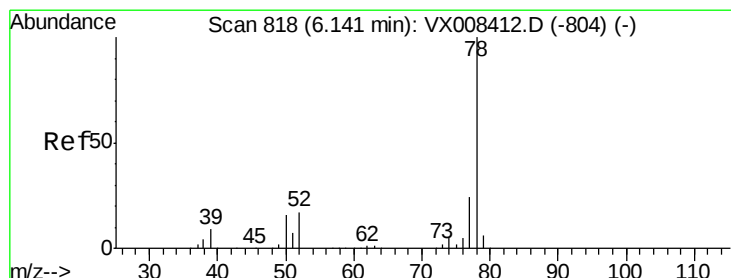
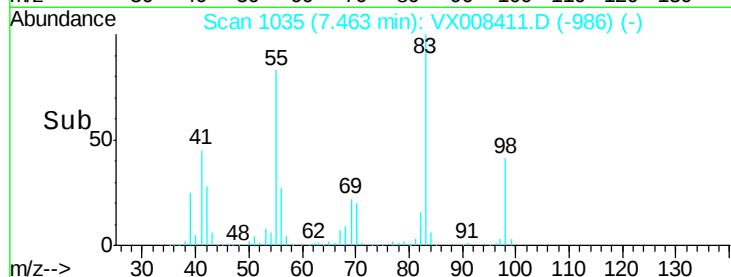
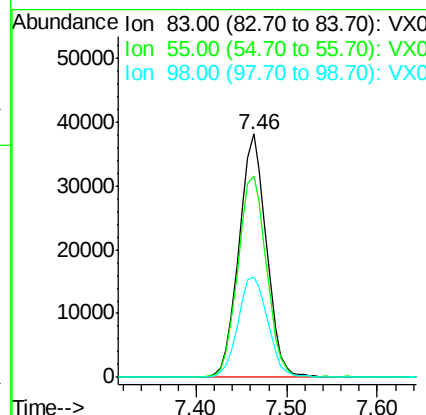
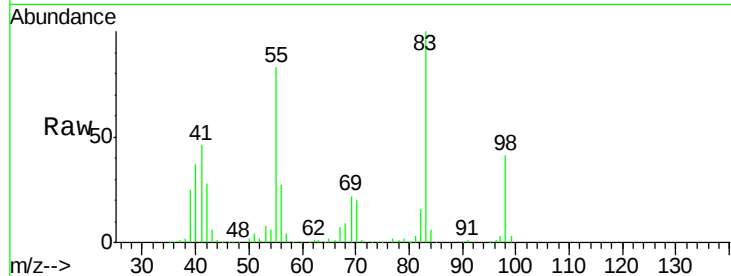
#39
Methvlcvclohexane
Concen: 19.542 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.7	68.2	102.4
98	41.0	34.2	51.4

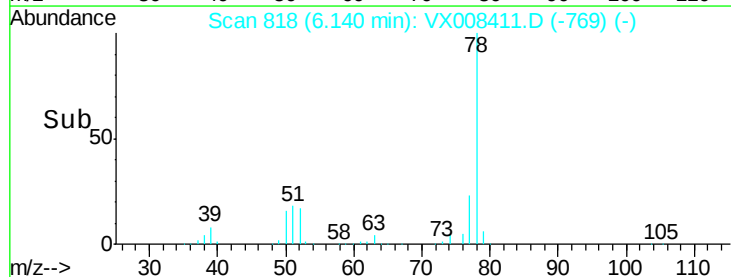
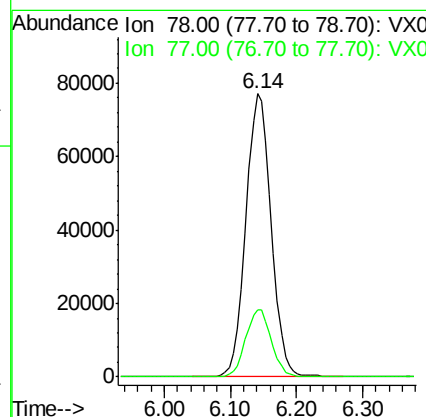
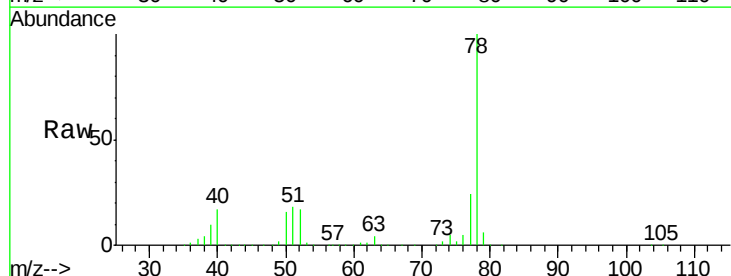
Manual Integrations
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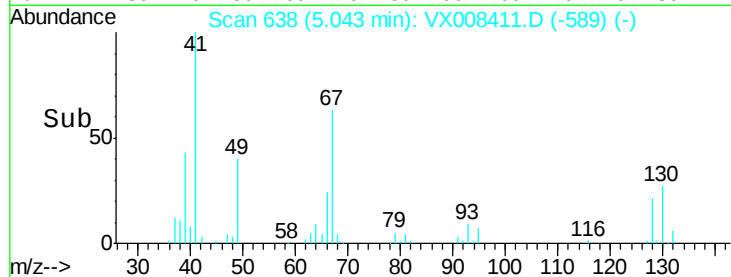
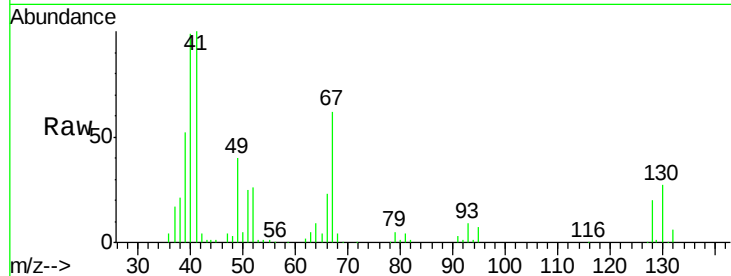
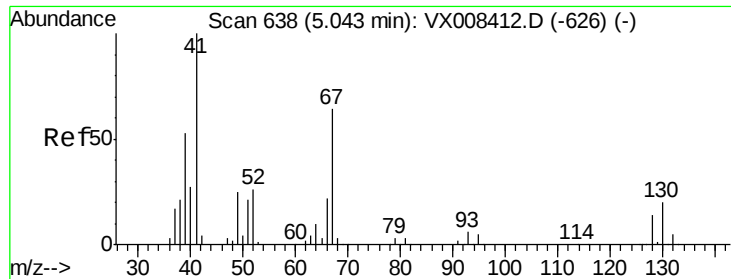
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#40
Benzene
Concen: 19.988 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9





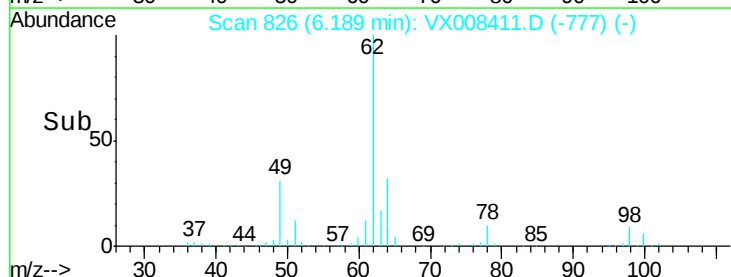
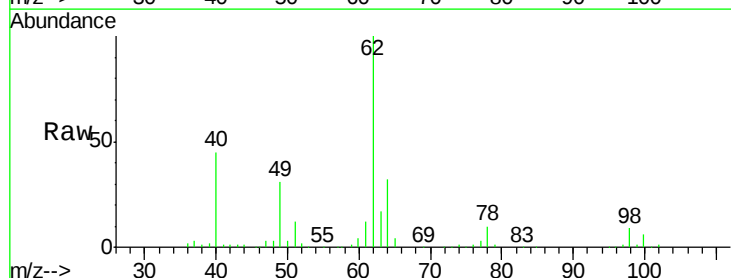
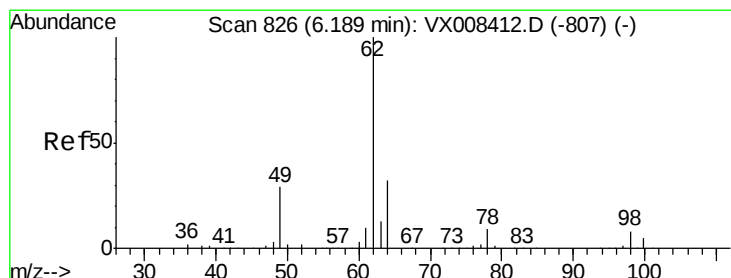
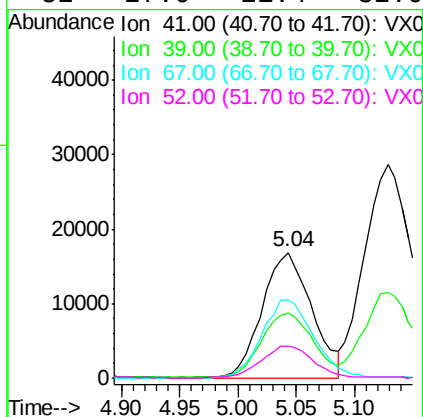
#41
Methacrylonitrile
Concen: 20.057 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	53.8	42.6	64.0
67	67	66.5	52.2	78.4
52	52	27.0	21.4	32.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

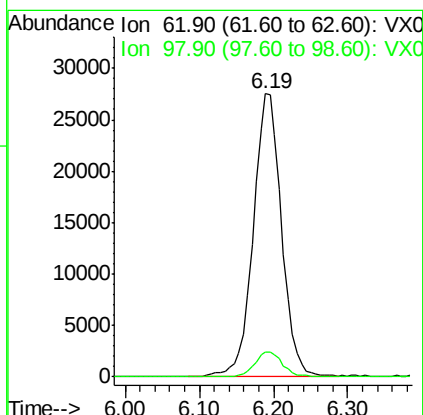
Manual Integrations
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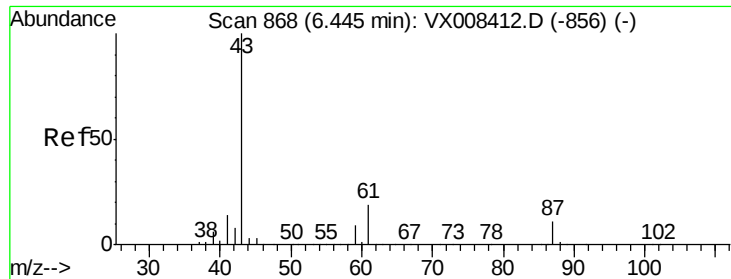
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.742 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	8.7	0.0	17.6





#43

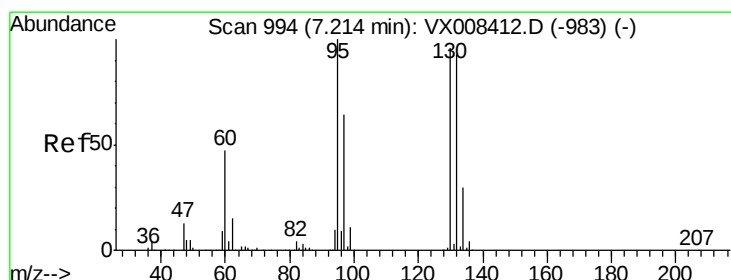
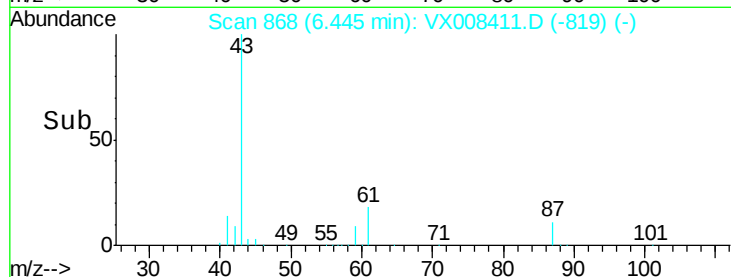
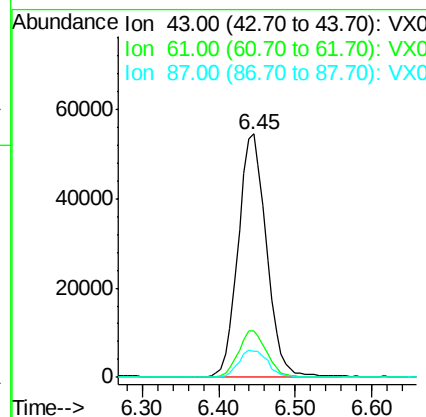
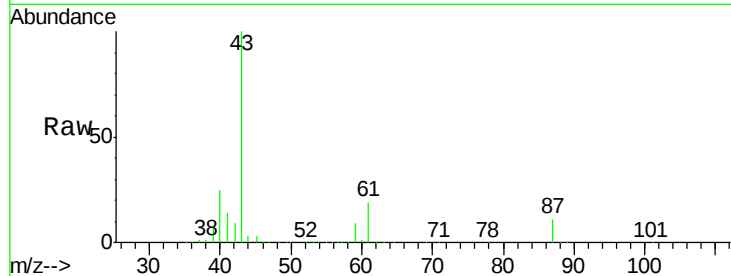
Isopropyl Acetate
 Concen: 19.661 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008411.D
 Acq: 25 Mar 2019 14:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.2
87	11.8	9.1	13.7

Manual Integrations
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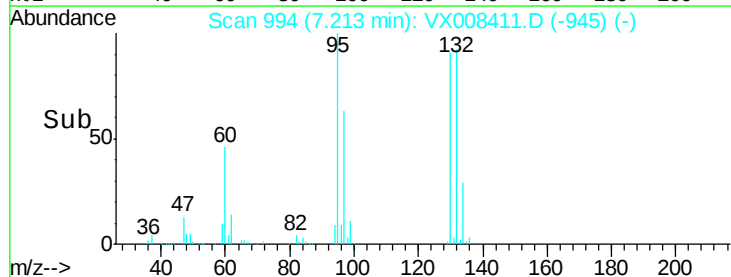
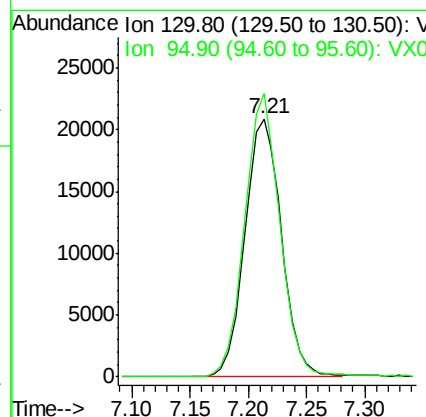
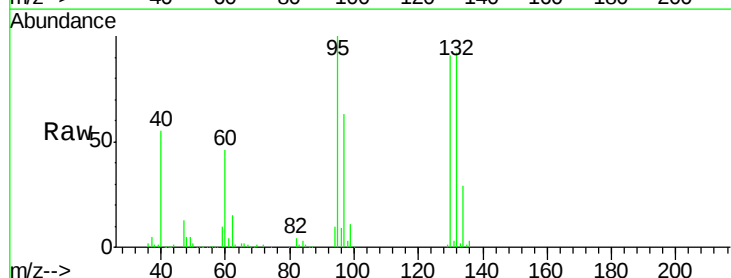
MMDadoda
 3/26/2019 9:46:30 AM

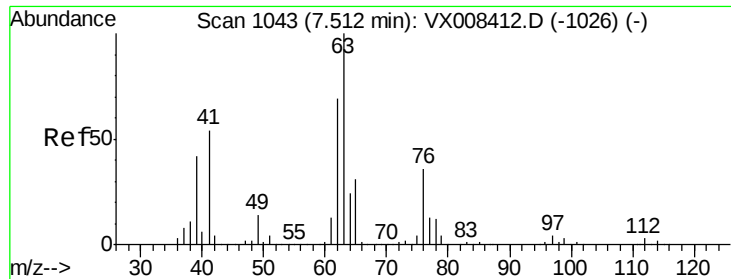


#44

Trichloroethene
 Concen: 19.187 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008411.D
 Acq: 25 Mar 2019 14:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	208.8





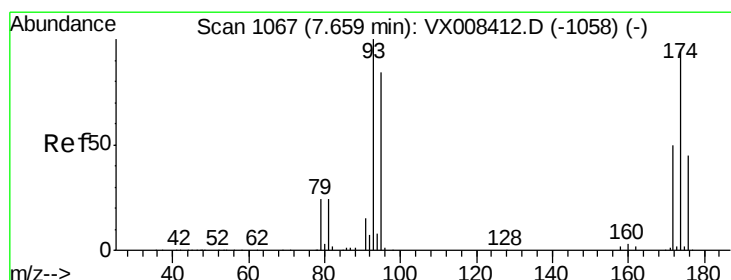
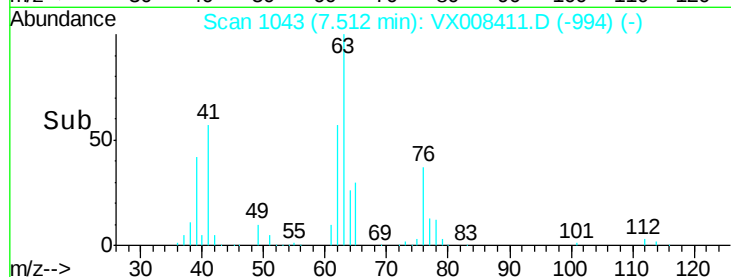
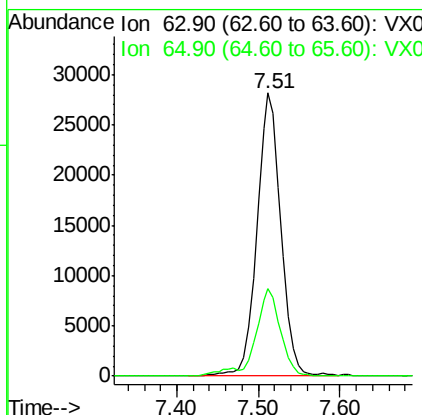
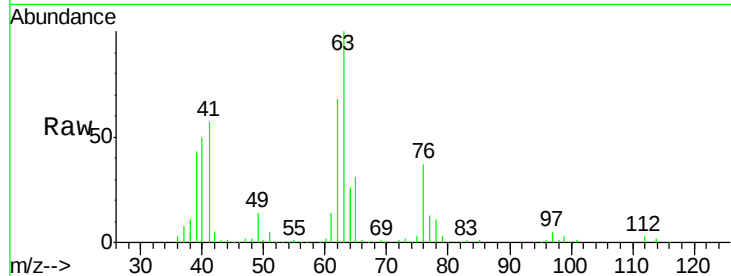
#45
 1,2-Dichloropropane
 Concen: 19.941 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008411.D
 Acq: 25 Mar 2019 14:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 57792
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.1 37.7

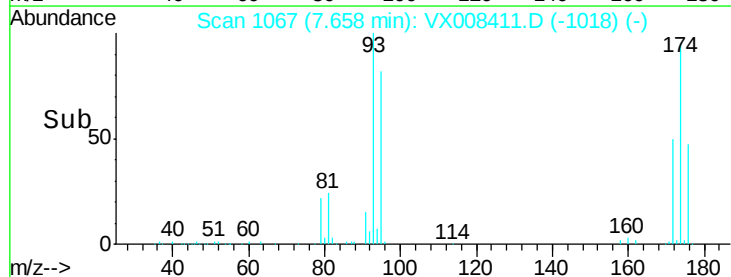
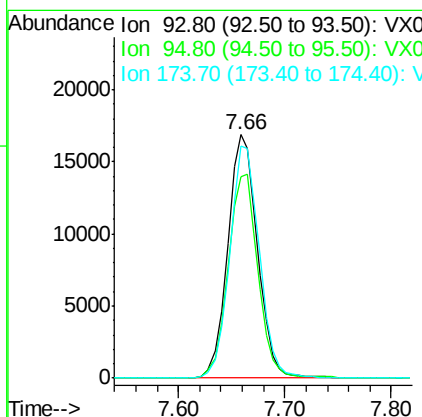
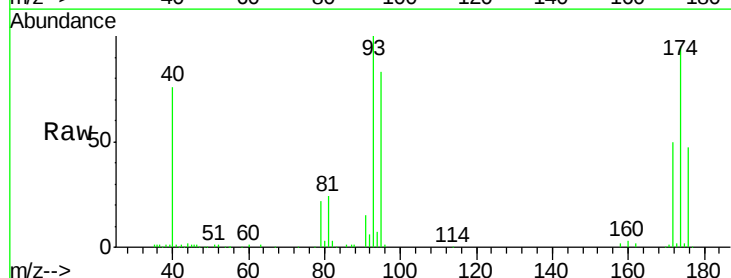
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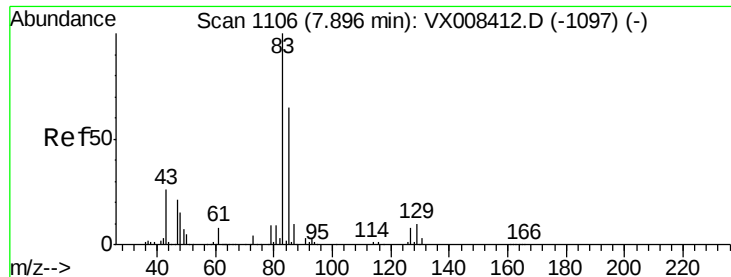
MMDadoda
 3/26/2019 9:46:30 AM



#46
 Dibromomethane
 Concen: 19.222 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008411.D
 Acq: 25 Mar 2019 14:30

Tgt Ion: 93 Resp: 32993
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.0 100.6
 174 95.0 76.0 114.0





#47

Bromodichloromethane

Concen: 19.716 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

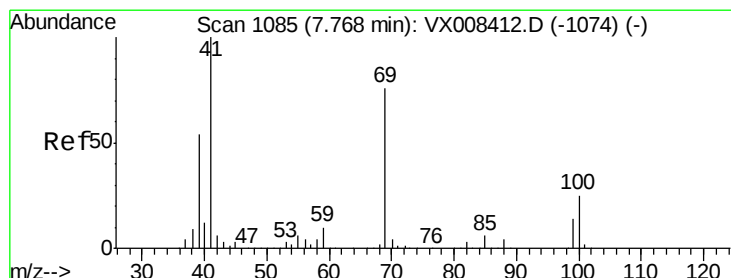
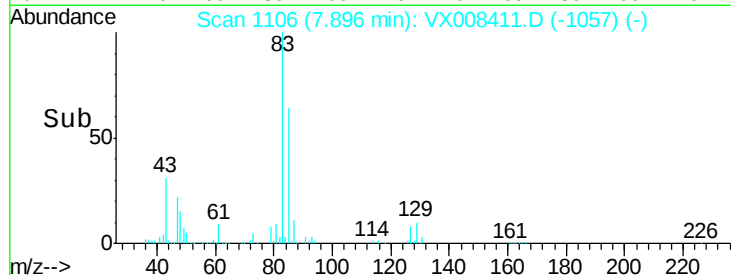
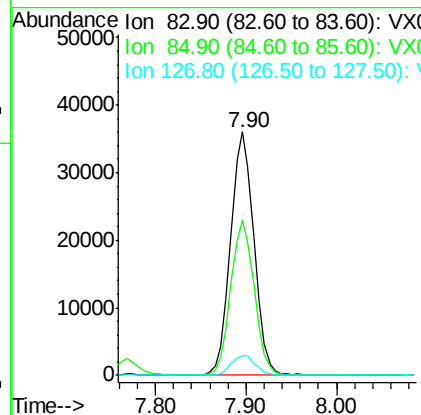
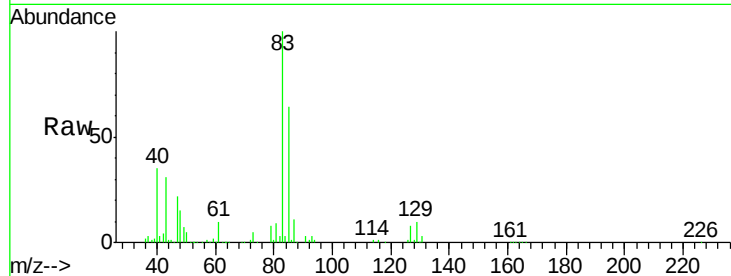
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	64660
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.0	78.0
127	7.9	6.4	9.6

Manual Integrations
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MMDadoda
3/26/2019 9:46:30 AM



#48

Methyl methacrylate

Concen: 19.854 ug/l

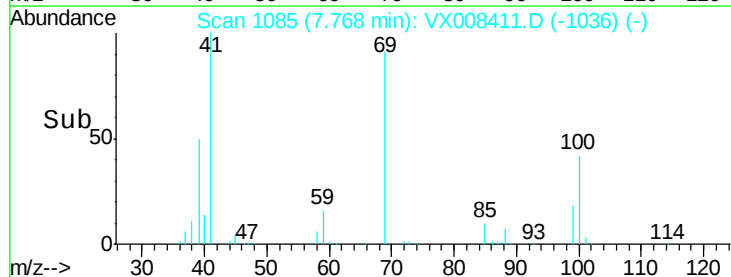
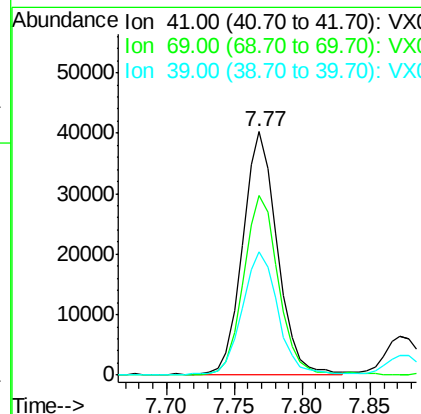
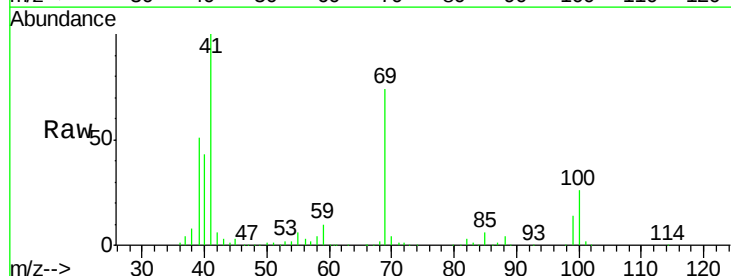
RT: 7.77 min Scan# 1085

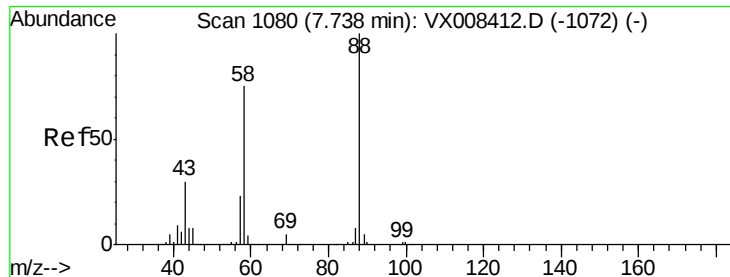
Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Tgt Ion:	41	Resp:	71011
Ion	Ratio	Lower	Upper
41	100		
69	75.4	60.8	91.2
39	52.3	42.3	63.5





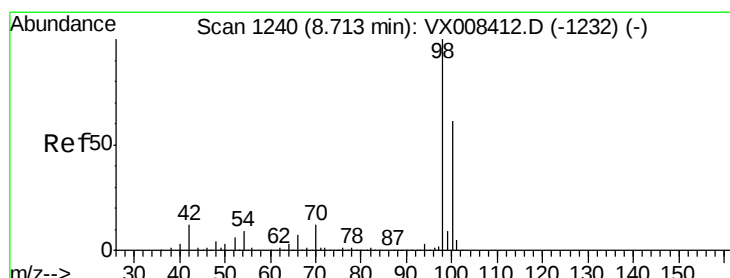
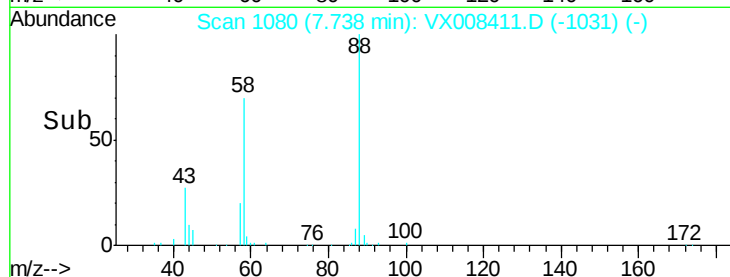
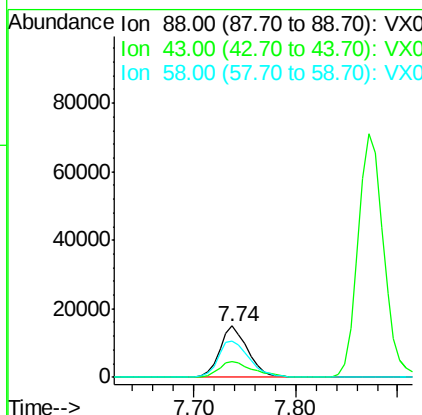
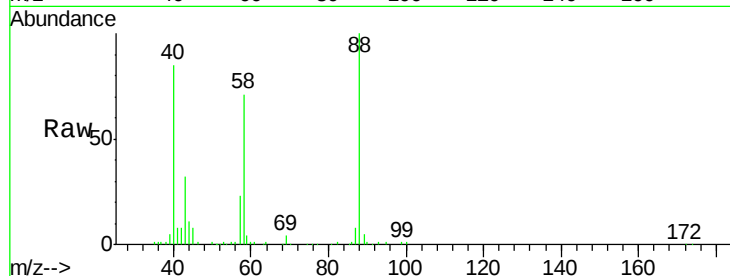
#49
1,4-Dioxane
Concen: 399.613 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	28.6	43.0
58	78.1	63.0	94.4

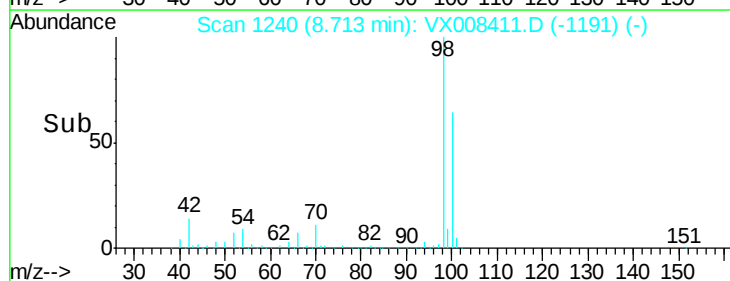
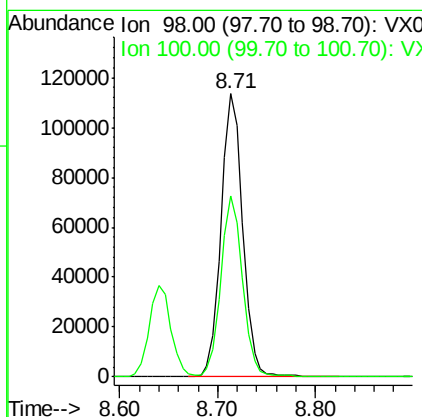
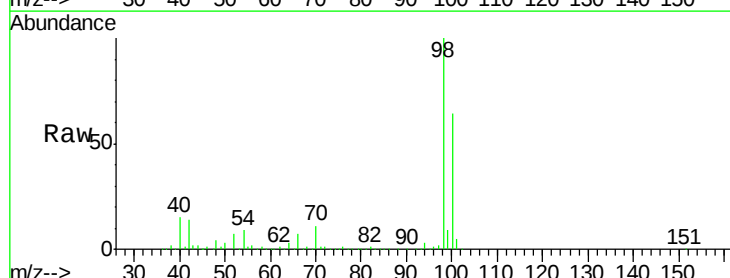
Manual Integrations
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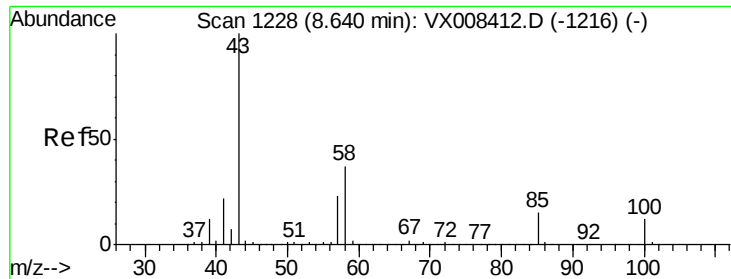
MMDadoda
3/26/2019 9:46:30 AM



#50
Toluene-d8
Concen: 20.660 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 99.303 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 462163

Ion Ratio Lower Upper

43 100

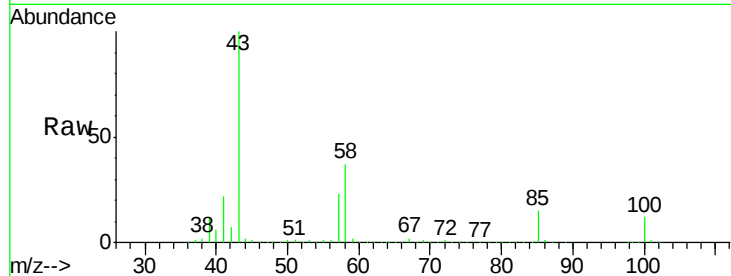
58 37.3 29.8 44.8

Manual Integrations

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3/26/2019 9:46:30 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

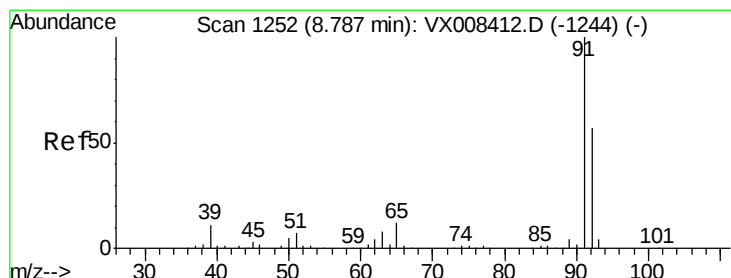
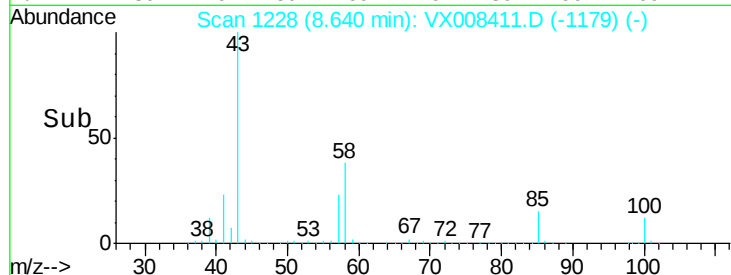
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.958 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008411.D

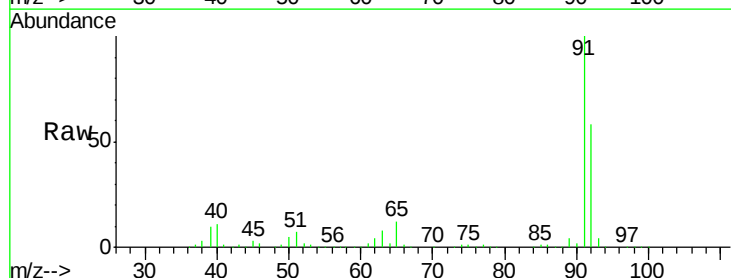
Acq: 25 Mar 2019 14:30

Tgt Ion: 92 Resp: 120084

Ion Ratio Lower Upper

92 100

91 176.4 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

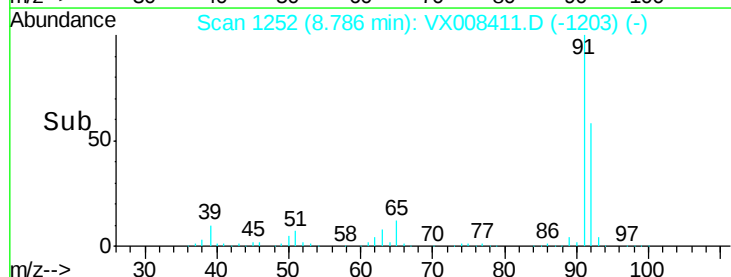
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.768 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 69849

Ion Ratio Lower Upper

75 100

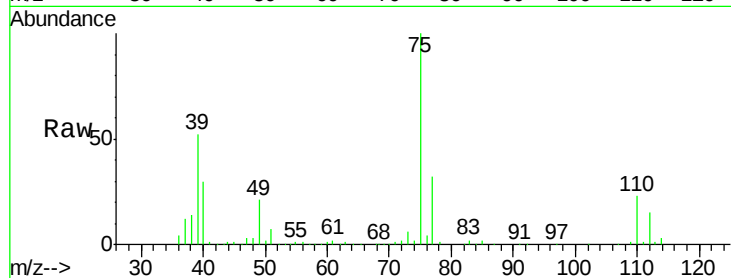
77 31.9 24.3 36.5

Manual Integrations

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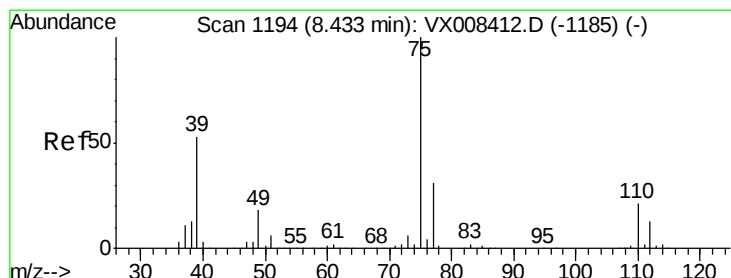
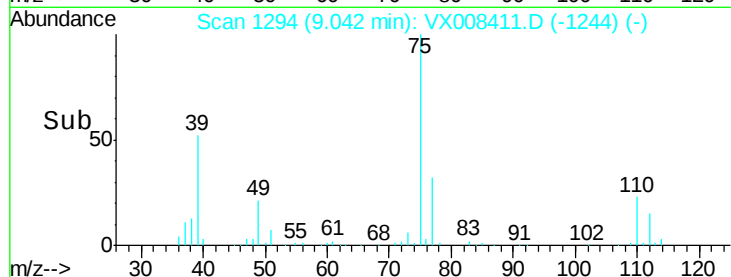
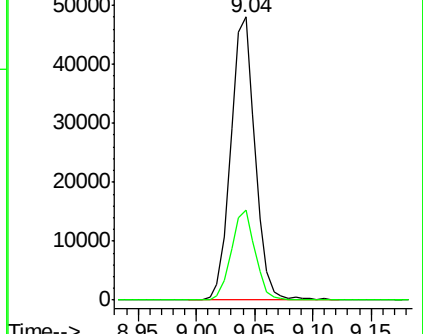
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3/26/2019 9:46:30 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.835 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

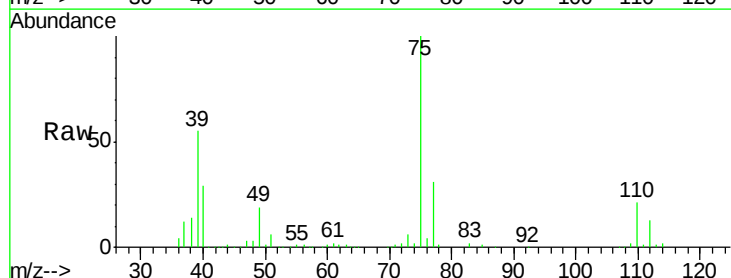
Tgt Ion: 75 Resp: 79184

Ion Ratio Lower Upper

75 100

77 31.1 24.7 37.1

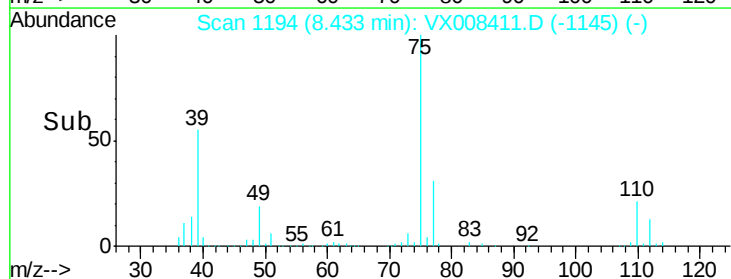
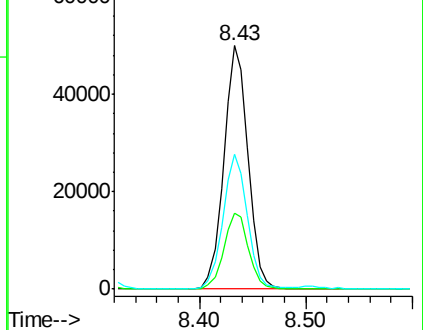
39 55.1 42.4 63.6

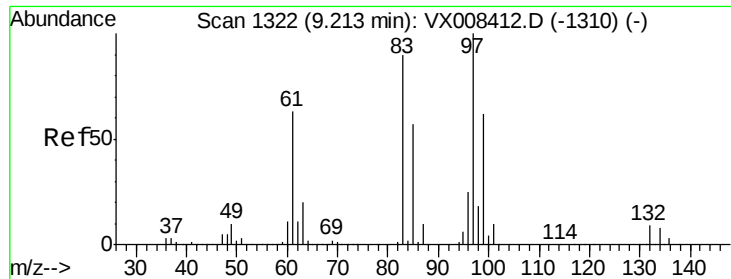


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





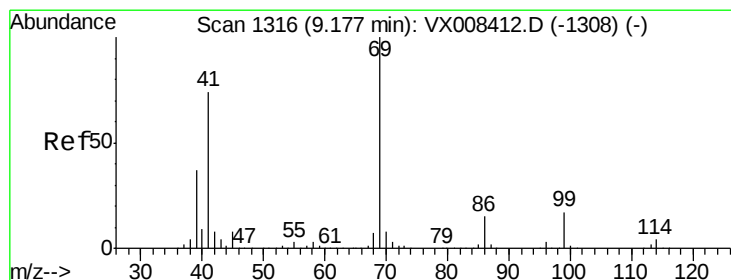
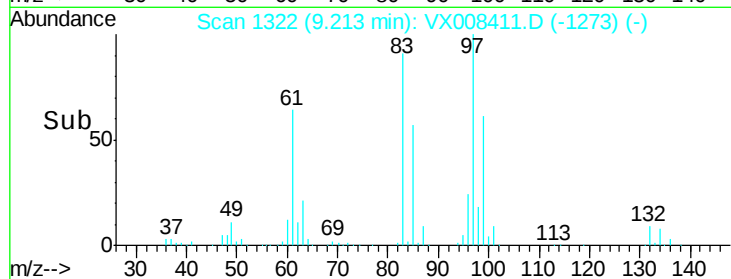
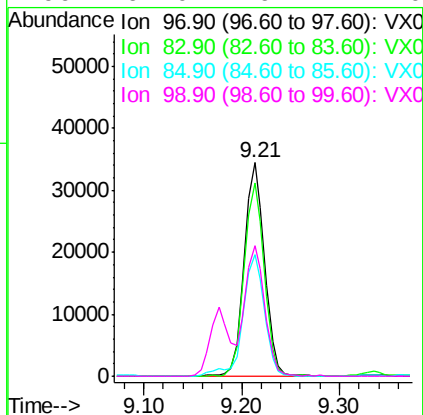
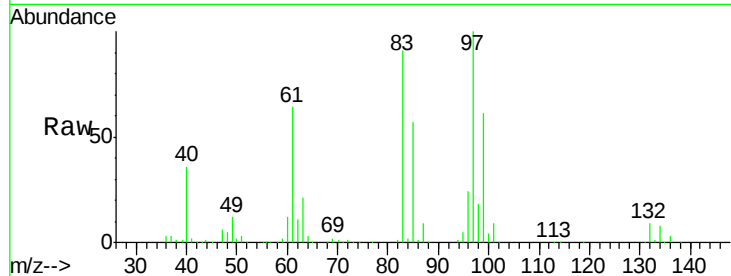
#55
 1,1,2-Trichloroethane
 Concen: 19.911 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008411.D
 Acq: 25 Mar 2019 14:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	49757
Ion	Ratio	Lower	Upper
97	100		
83	90.6	71.8	107.6
85	56.9	45.9	68.9
99	61.0	49.4	74.0

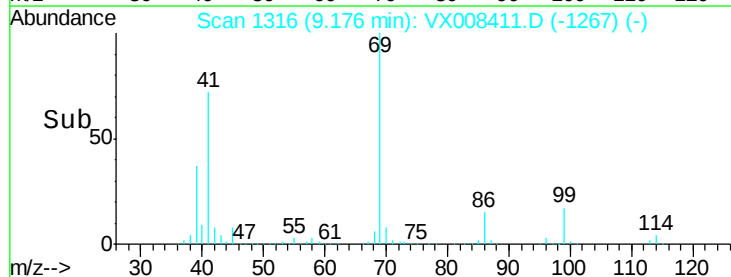
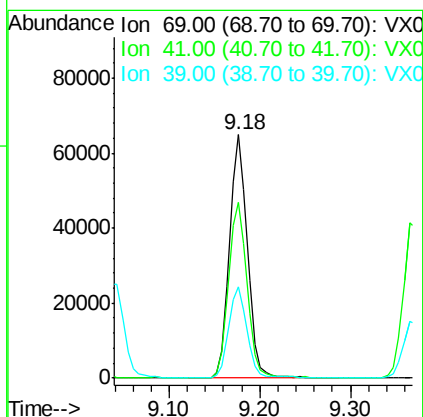
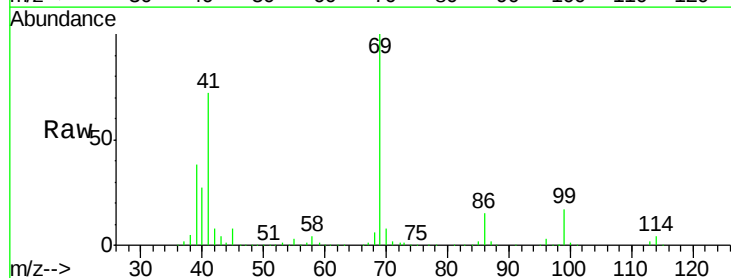
Manual Integrations
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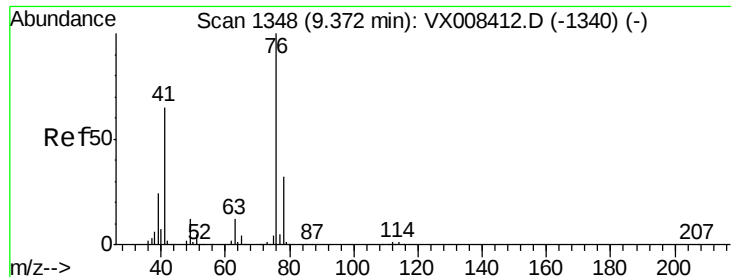
MMDadoda
 3/26/2019 9:46:30 AM



#56
 Ethyl methacrylate
 Concen: 20.207 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008411.D
 Acq: 25 Mar 2019 14:30

Tgt Ion:	69	Resp:	89521
Ion	Ratio	Lower	Upper
69	100		
41	73.9	59.5	89.3
39	37.6	29.3	43.9





#57

1,3-Dichloropropane

Concen: 19.806 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 88007

Ion Ratio Lower Upper

76 100

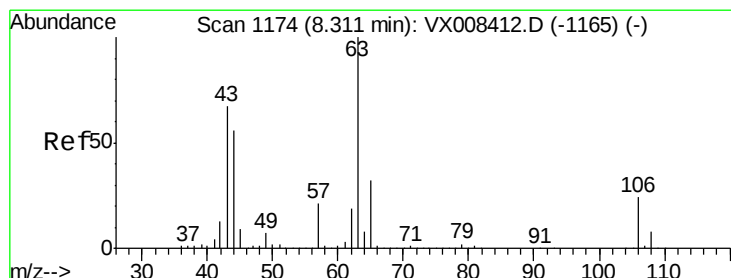
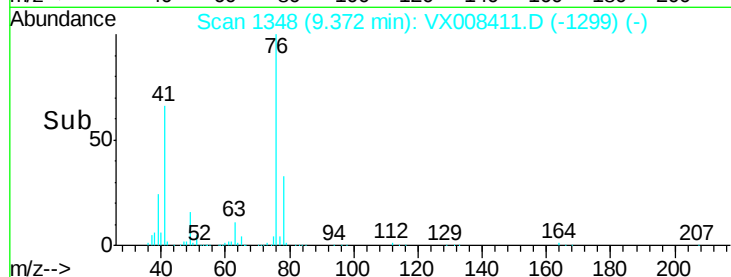
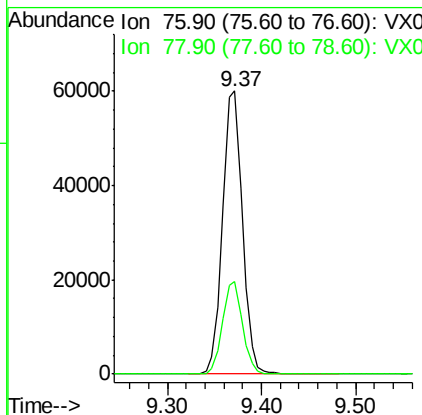
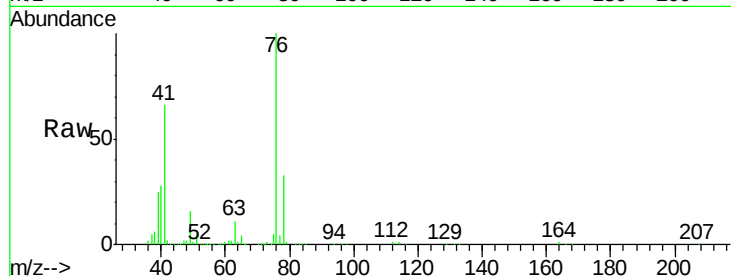
78 32.9 25.8 38.8

Manual Integrations

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MMDadoda

3/26/2019 9:46:30 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.544 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008411.D

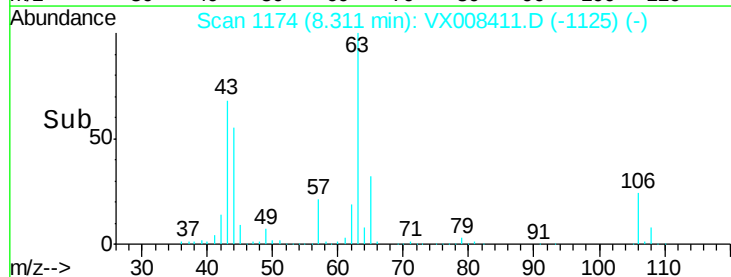
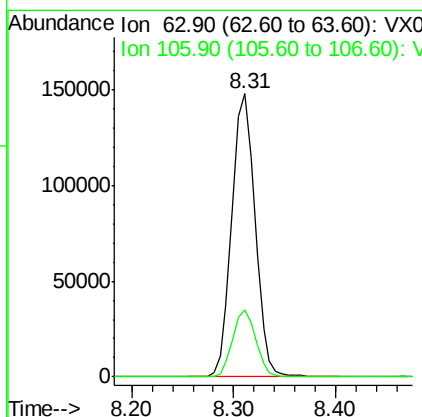
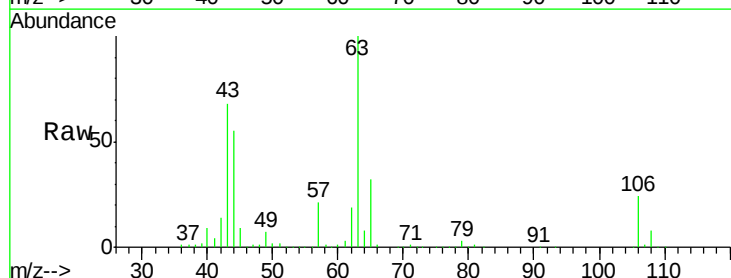
Acq: 25 Mar 2019 14:30

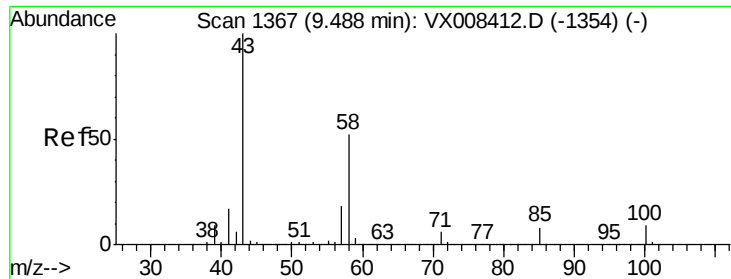
Tgt Ion: 63 Resp: 233240

Ion Ratio Lower Upper

63 100

106 23.6 19.0 28.6





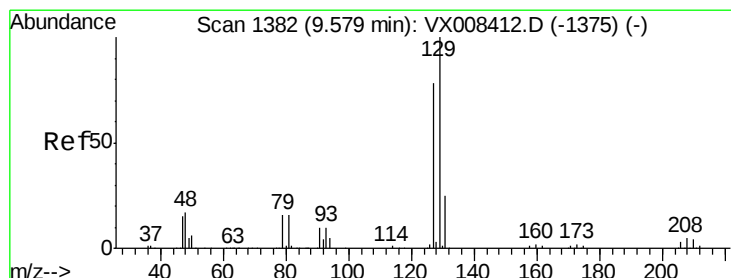
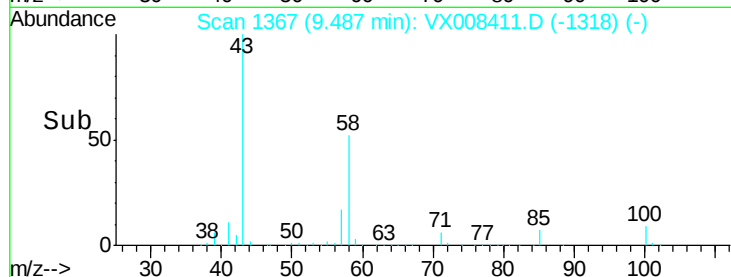
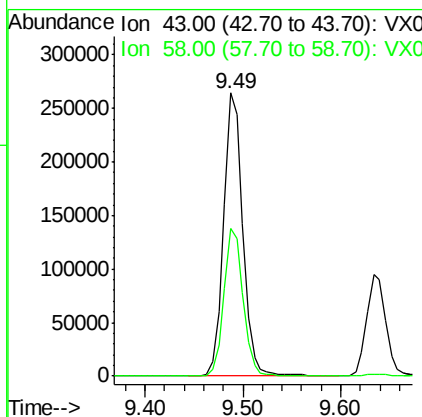
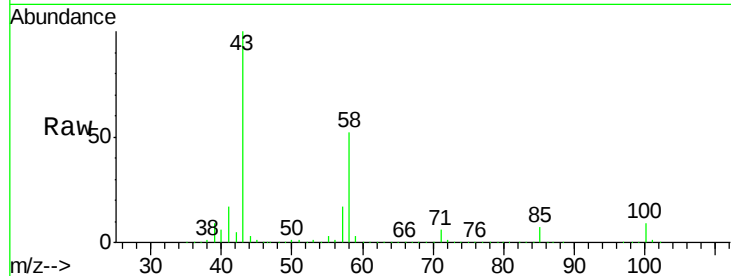
#59
2-Hexanone
Concen: 99.955 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 358923
Ion Ratio Lower Upper
43 100
58 52.6 26.3 78.9

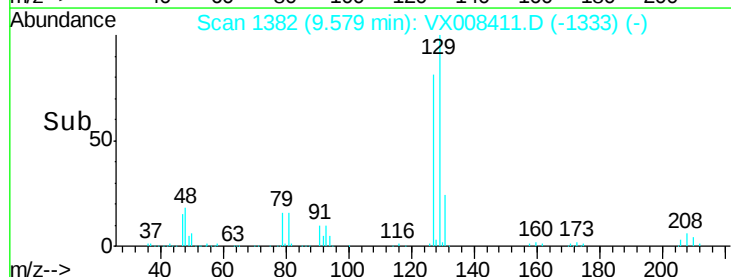
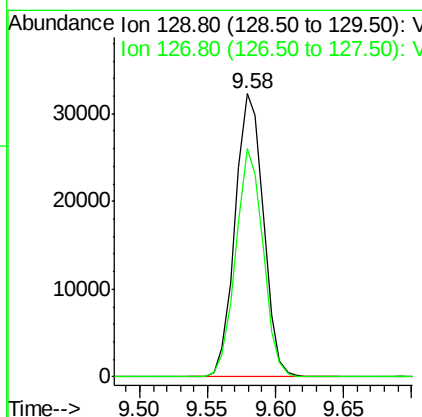
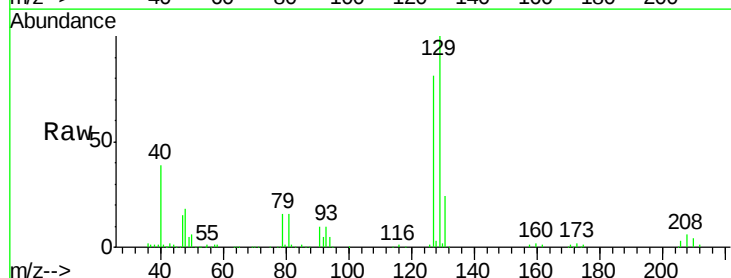
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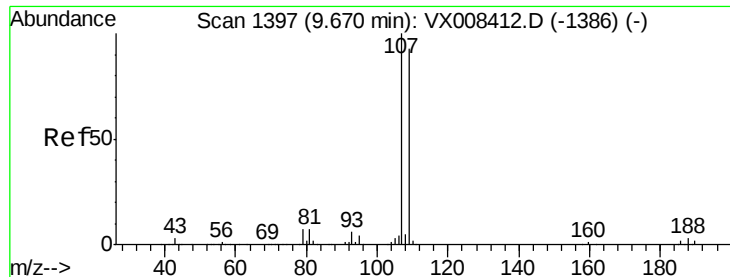
MMDadoda
3/26/2019 9:46:30 AM



#60
Dibromochloromethane
Concen: 20.156 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Tgt Ion: 129 Resp: 46804
Ion Ratio Lower Upper
129 100
127 78.0 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.086 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 50883

Ion Ratio Lower Upper

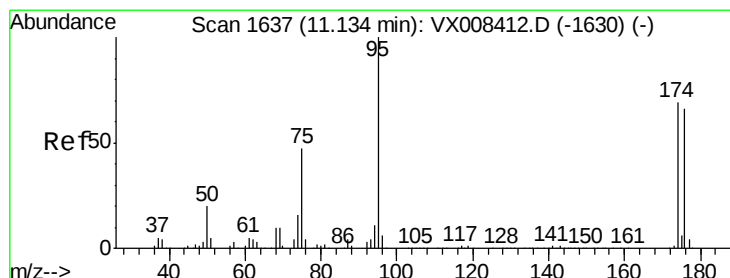
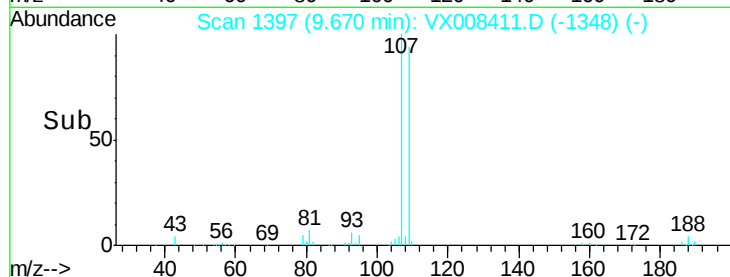
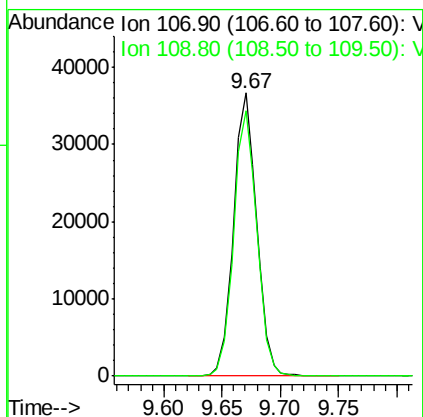
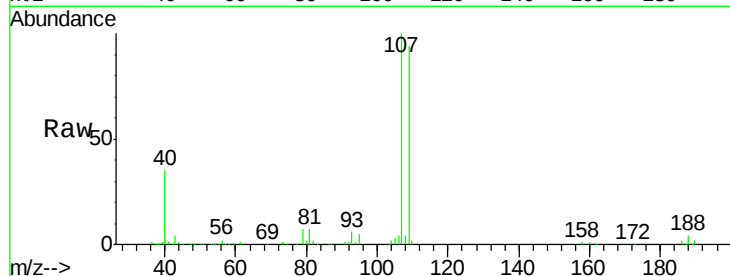
107 100

109 94.1 74.6 111.8

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#62

4-Bromofluorobenzene

Concen: 20.314 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

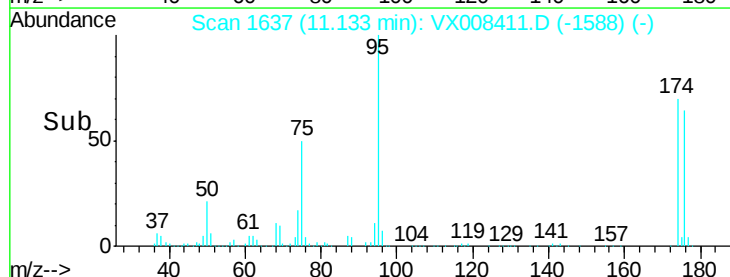
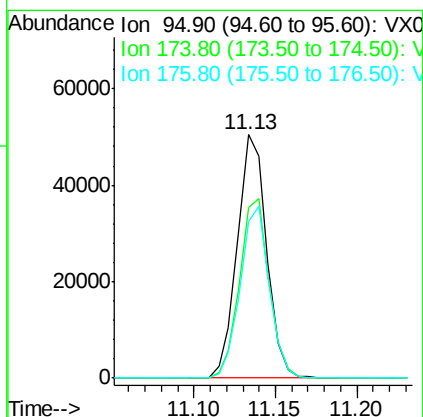
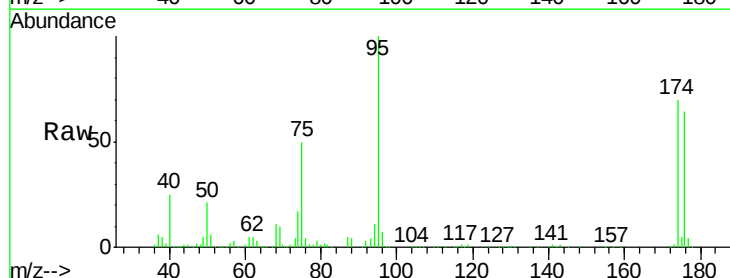
Tgt Ion: 95 Resp: 63507

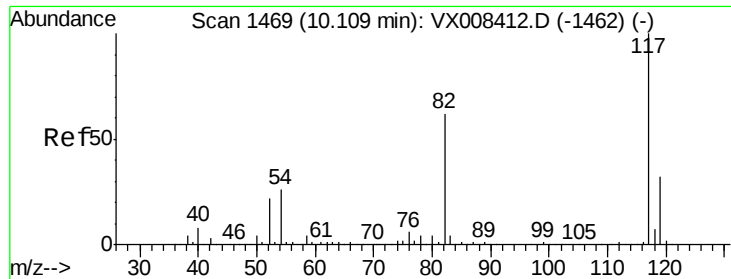
Ion Ratio Lower Upper

95 100

174 74.2 0.0 147.2

176 70.6 0.0 142.4





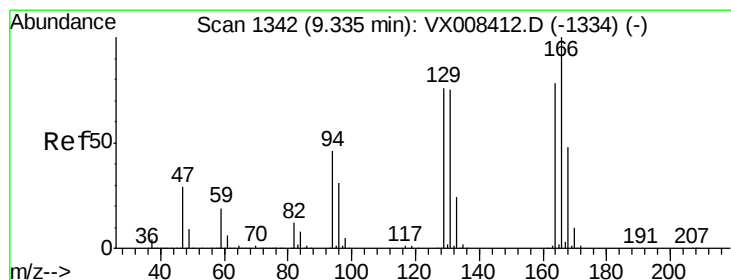
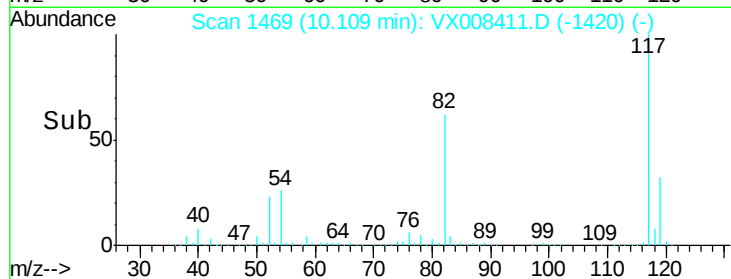
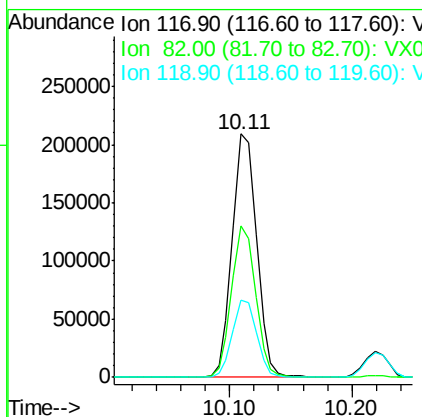
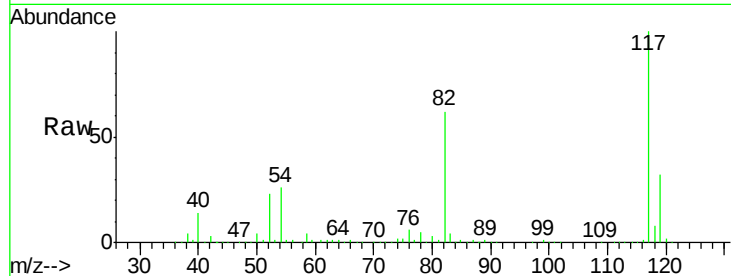
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	49.4	74.2
119	31.6	25.4	38.0

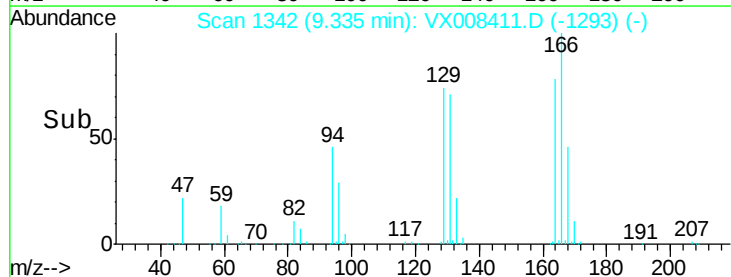
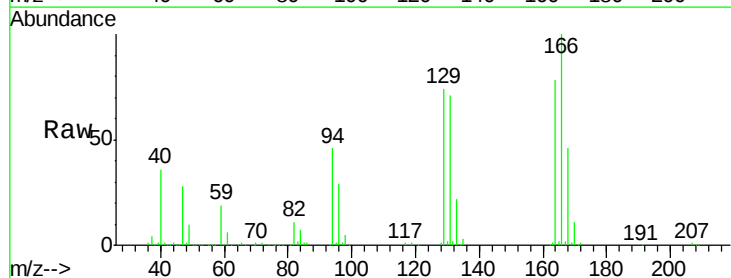
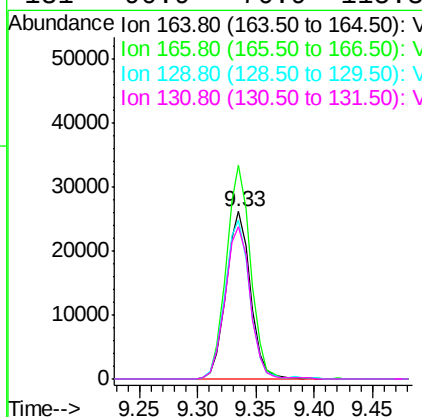
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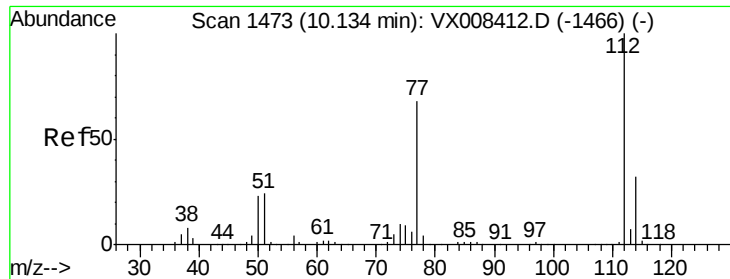
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#64
Tetrachloroethene
Concen: 19.956 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	102.5	153.7
129	94.4	77.8	116.8
131	90.9	76.9	115.3





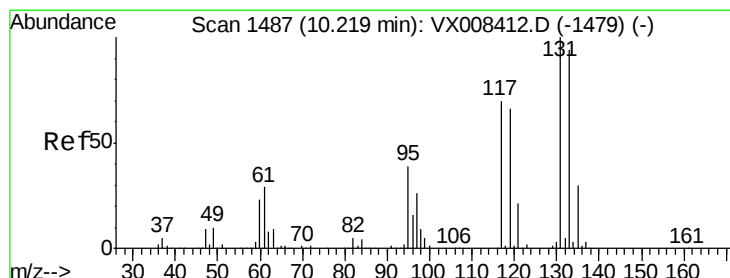
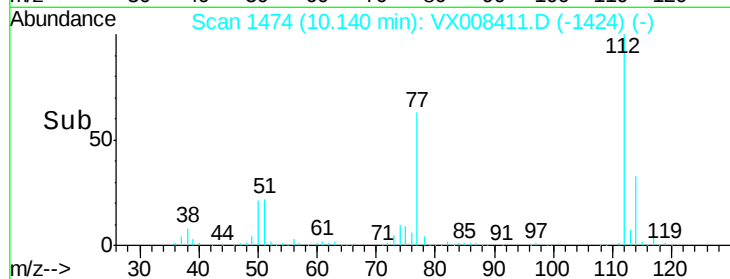
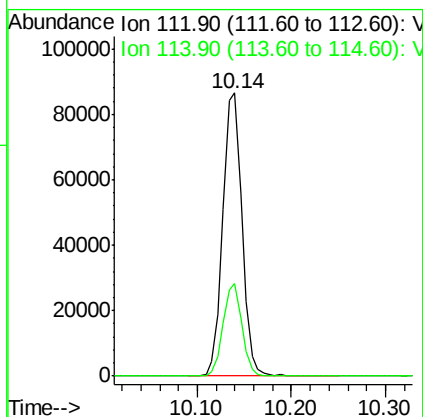
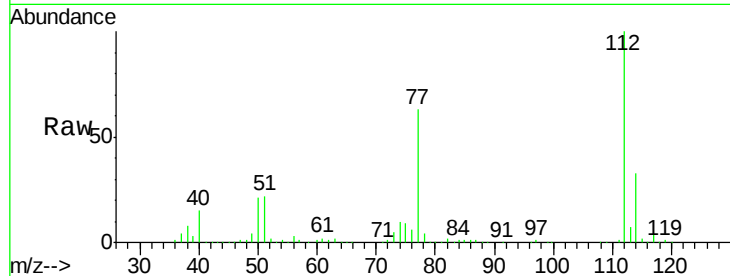
#65
Chlorobenzene
Concen: 20.084 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 122656
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.2

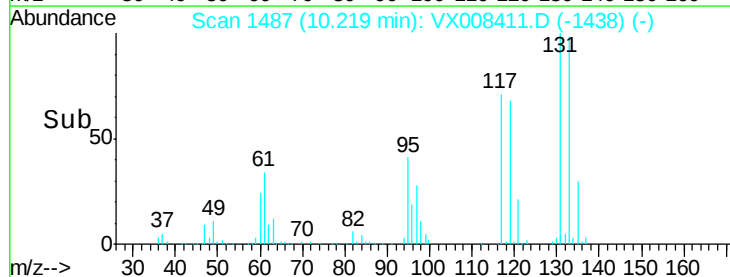
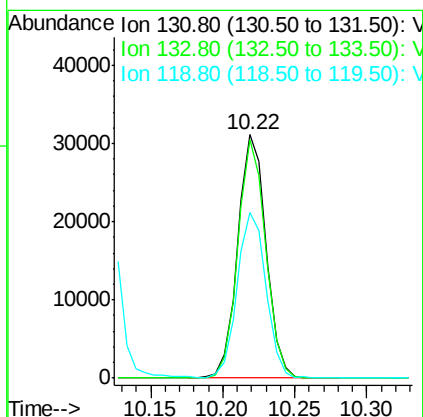
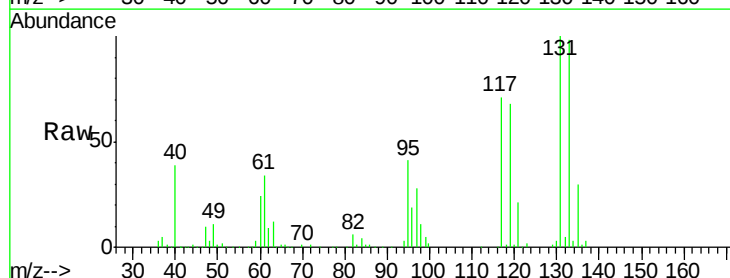
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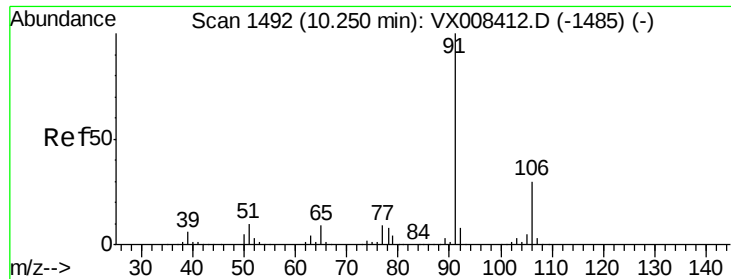
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.084 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Tgt Ion:131 Resp: 42563
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.8
119 69.1 33.6 100.6





#67

Ethyl Benzene

Concen: 19.972 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 228858

Ion Ratio Lower Upper

91 100

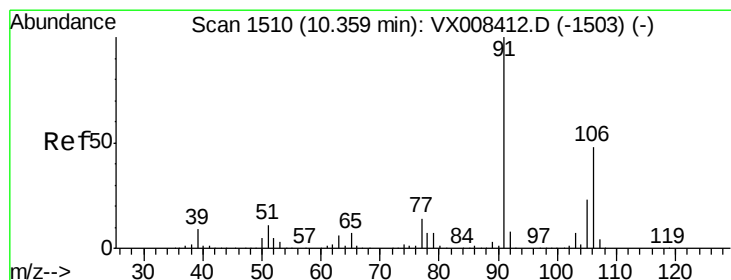
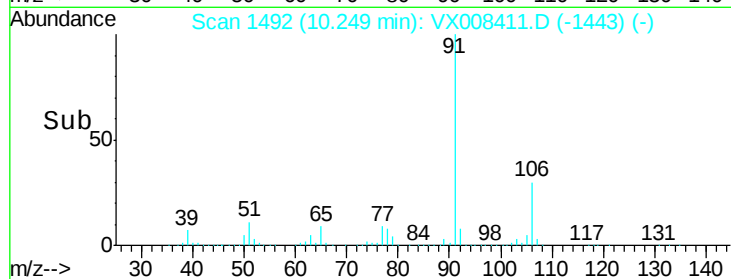
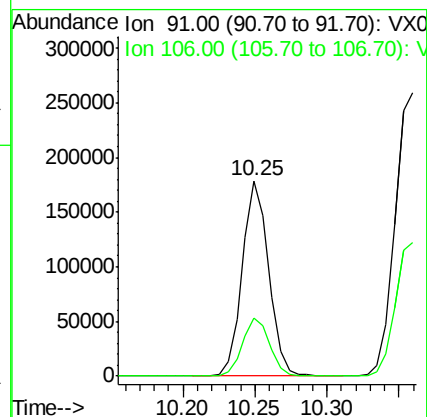
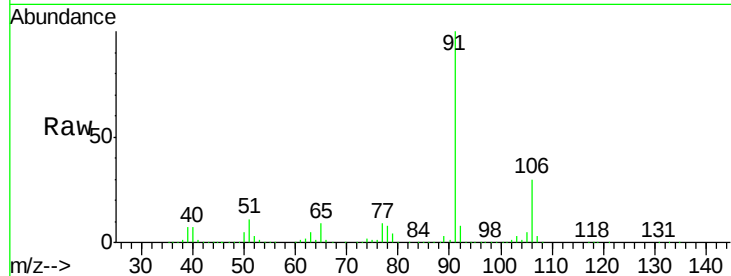
106 30.0 24.0 36.0

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#68

m/p-Xylenes

Concen: 40.757 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008411.D

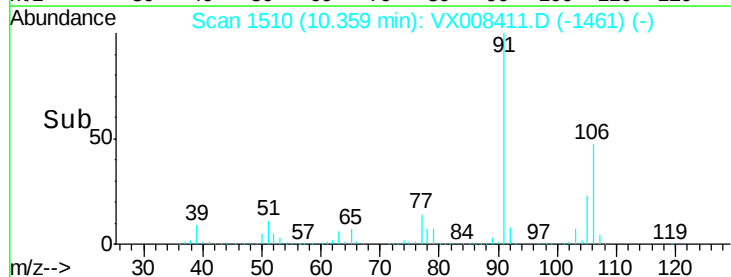
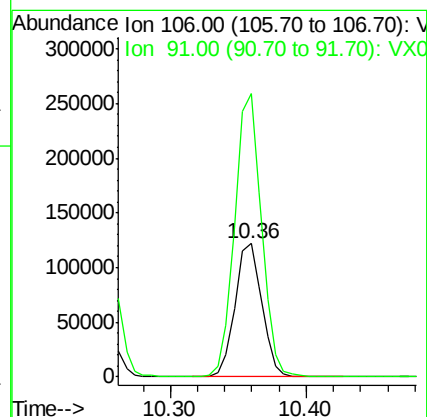
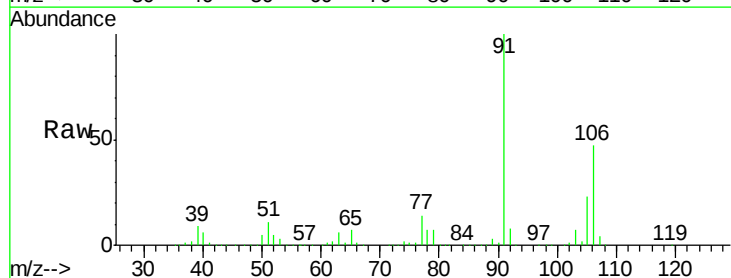
Acq: 25 Mar 2019 14:30

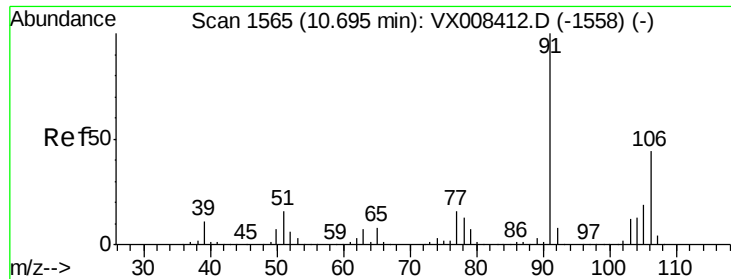
Tgt Ion: 106 Resp: 167790

Ion Ratio Lower Upper

106 100

91 211.4 168.6 253.0





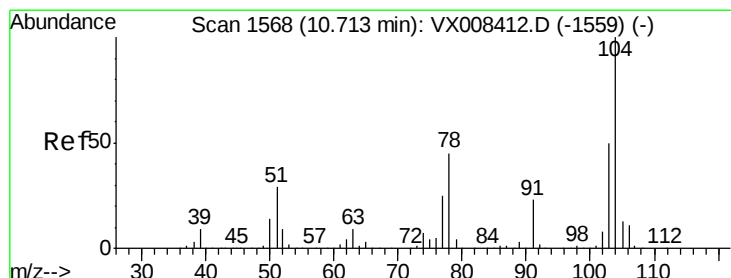
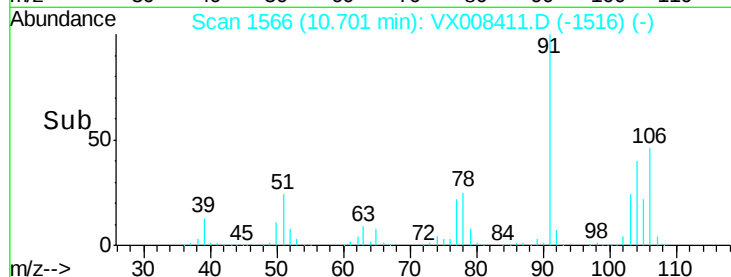
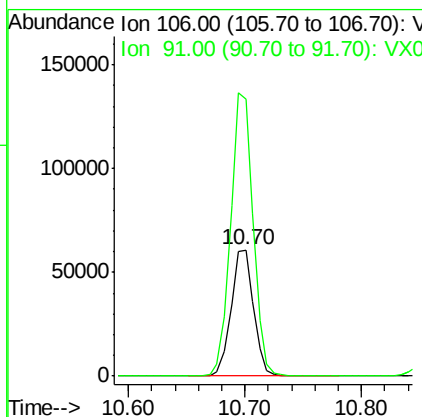
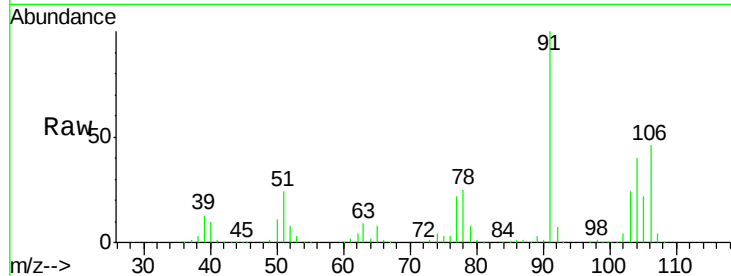
#69
o-Xylene
Concen: 20.434 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 82267
Ion Ratio Lower Upper
106 100
91 223.5 111.4 334.2

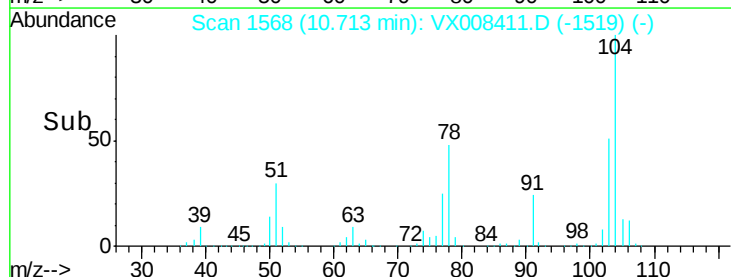
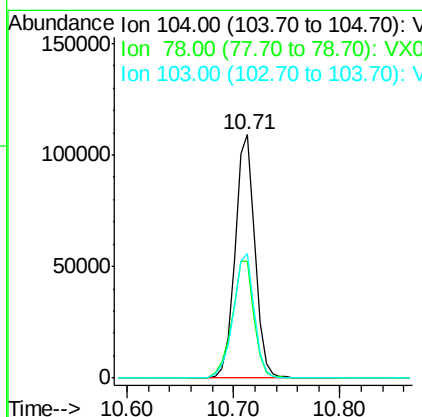
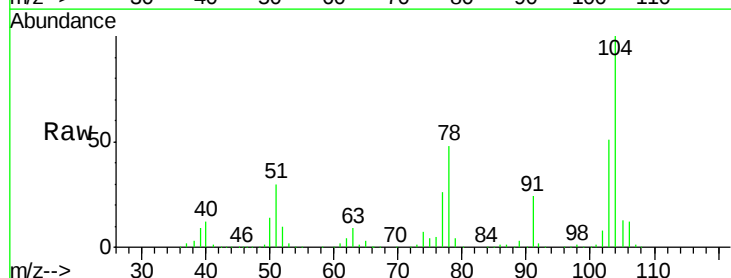
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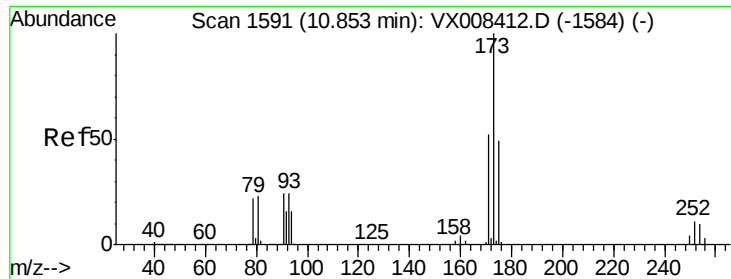
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#70
Styrene
Concen: 20.402 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008411.D
Acq: 25 Mar 2019 14:30

Tgt Ion:104 Resp: 142485
Ion Ratio Lower Upper
104 100
78 53.2 42.5 63.7
103 54.7 44.2 66.4





#71

Bromoform

Concen: 19.438 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 31935

Ion Ratio Lower Upper

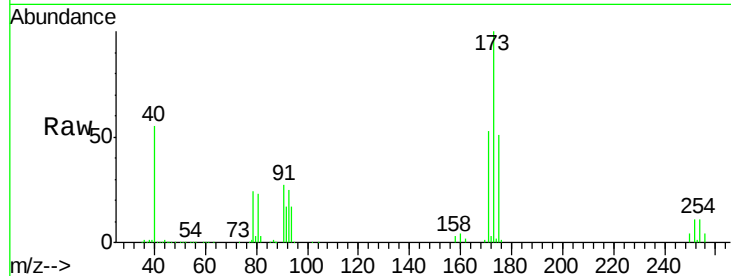
173 100

175 49.7 24.3 72.8

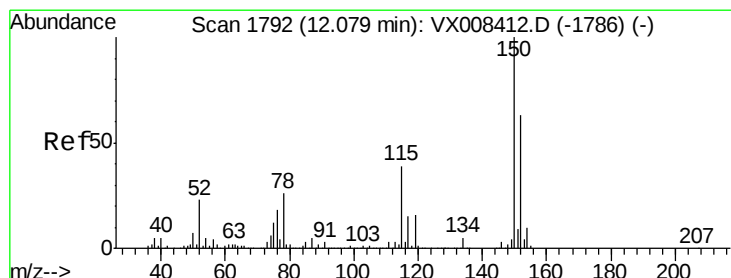
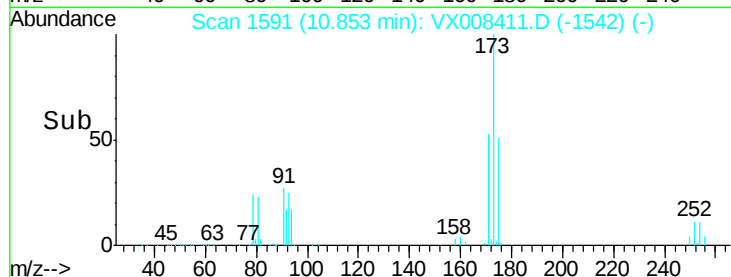
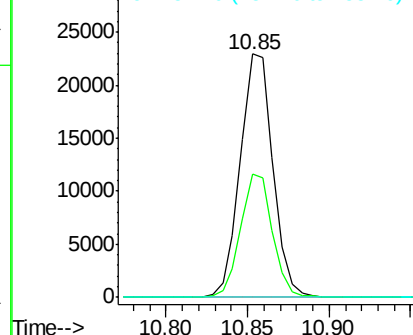
254 0.0 0.2 0.2#

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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: VX008411.D

Acq: 25 Mar 2019 14:30

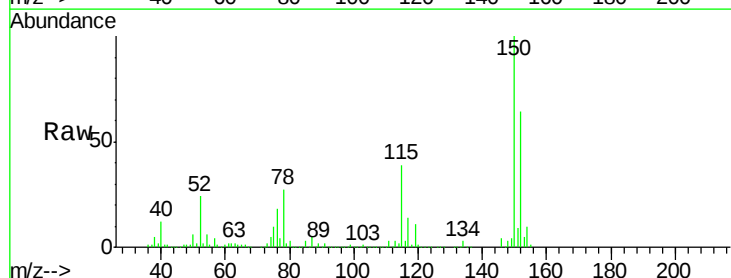
Tgt Ion:152 Resp: 135431

Ion Ratio Lower Upper

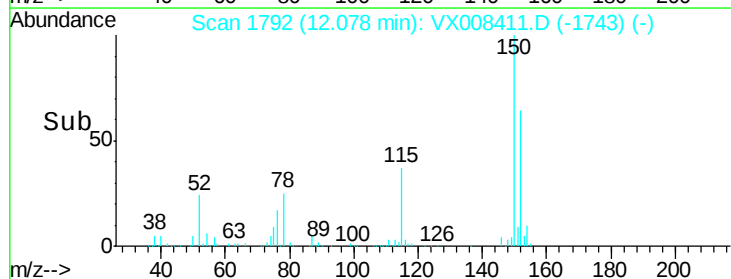
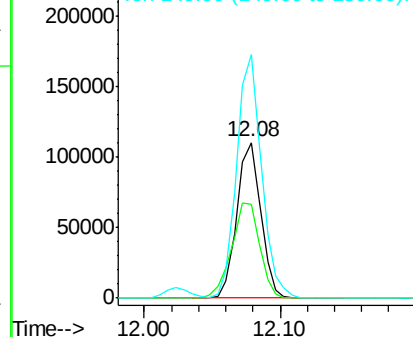
152 100

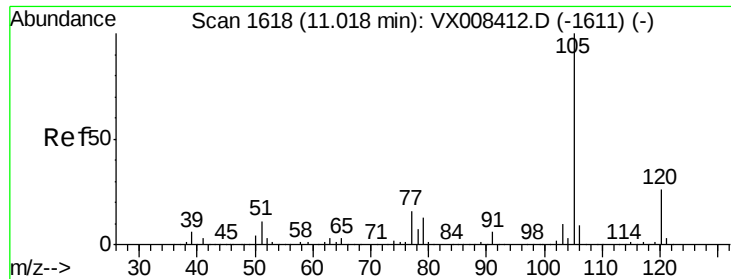
115 72.1 43.5 130.5

150 162.6 0.0 348.8



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: 20.449 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 218600

Ion Ratio Lower Upper

105 100

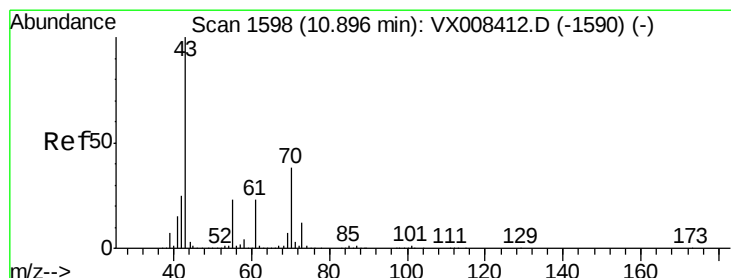
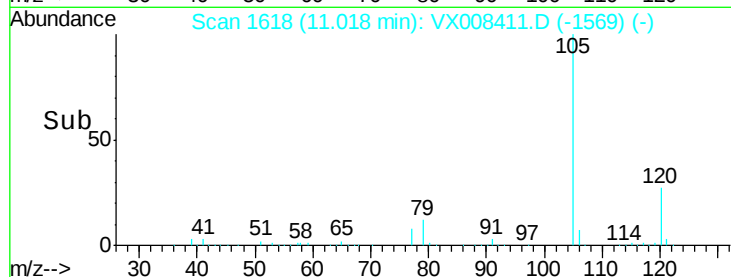
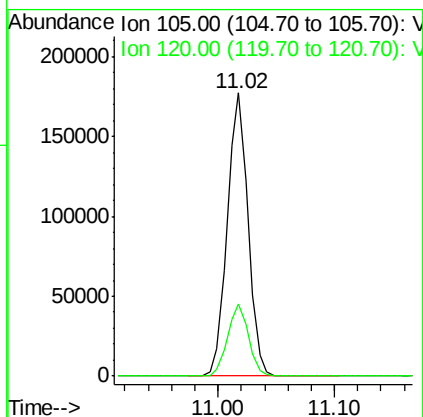
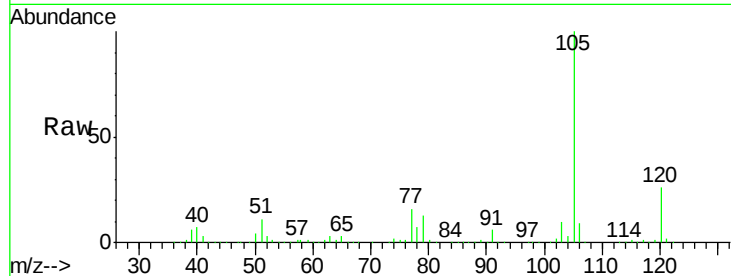
120 25.6 12.9 38.7

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#74

N-ethyl acetate

Concen: 20.053 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Tgt Ion: 43 Resp: 125502

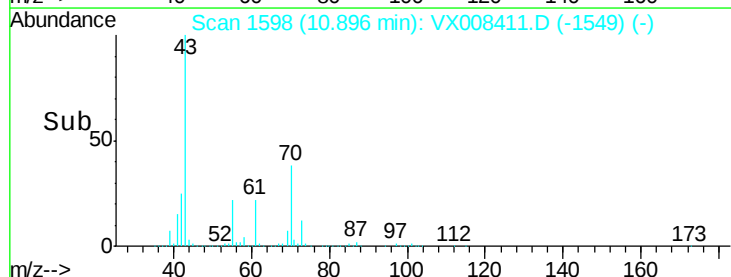
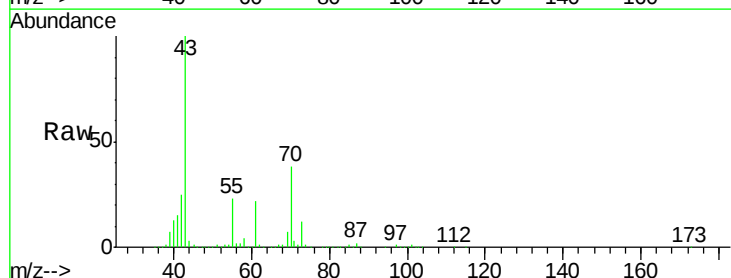
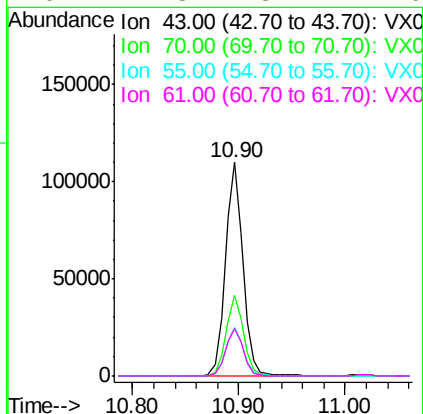
Ion Ratio Lower Upper

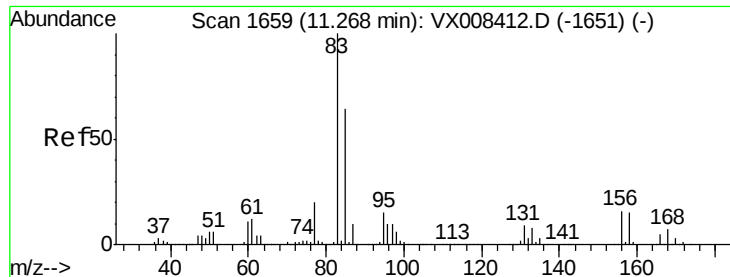
43 100

70 38.0 30.5 45.7

55 23.2 18.2 27.2

61 22.8 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.534 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

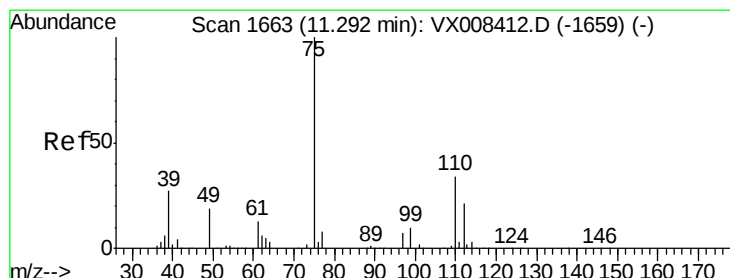
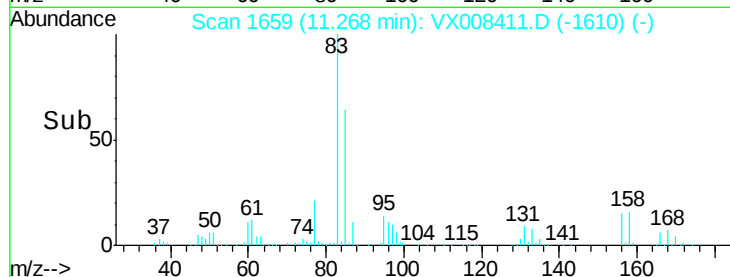
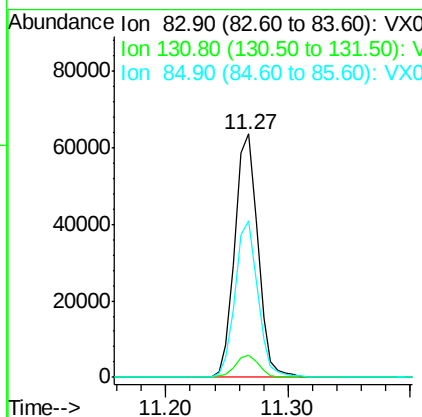
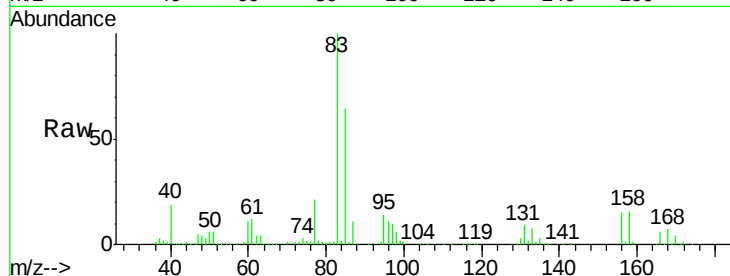
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	82981
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.5	13.4
85	63.3	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 21.938 ug/l m

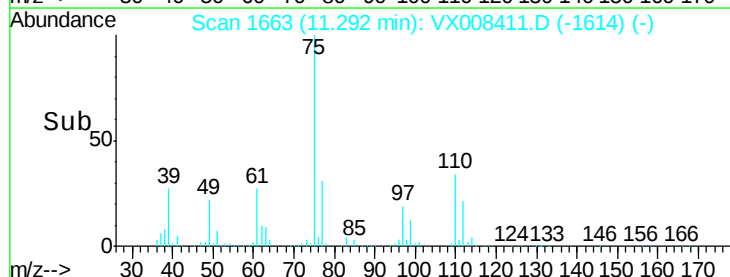
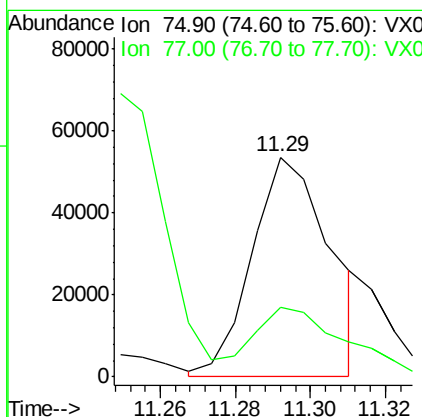
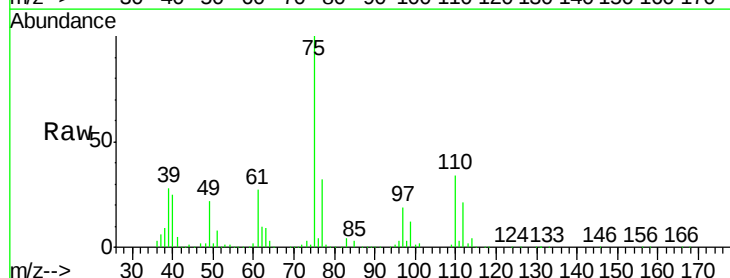
RT: 11.29 min Scan# 1663

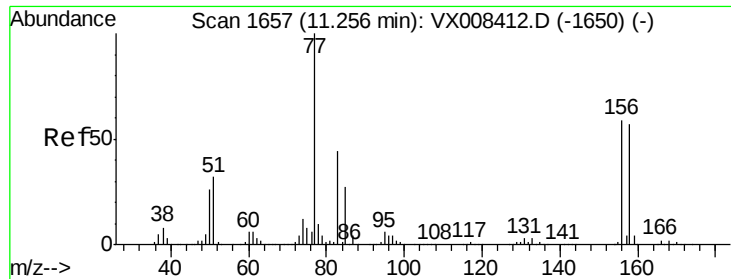
Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Tgt Ion:	75	Resp:	77810
Ion Ratio	Lower	Upper	
75	100		
77	37.8	21.9	65.7





#77

Bromobenzene

Concen: 20.043 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 50878

Ion Ratio Lower Upper

156 100

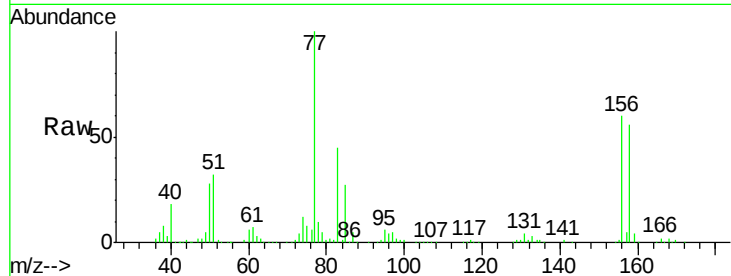
77 181.1 91.1 273.3

158 96.2 48.3 144.8

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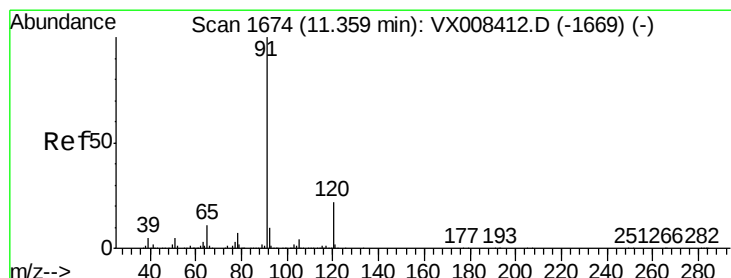
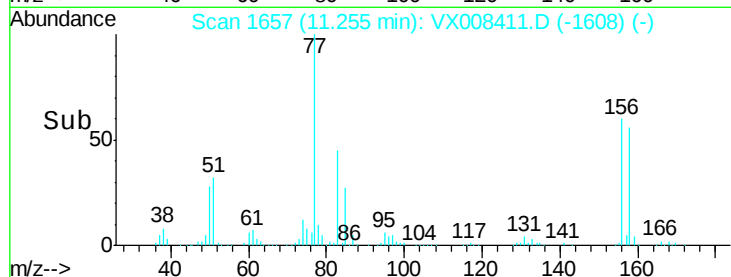
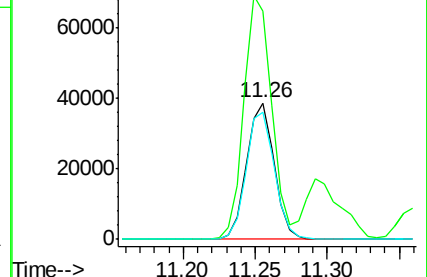
3/26/2019 9:46:30 AM



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: 20.403 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008411.D

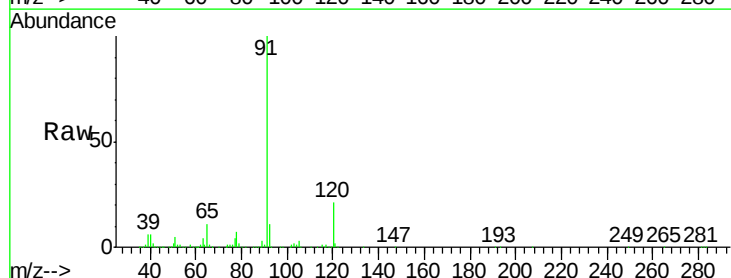
Acq: 25 Mar 2019 14:30

Tgt Ion: 91 Resp: 255459

Ion Ratio Lower Upper

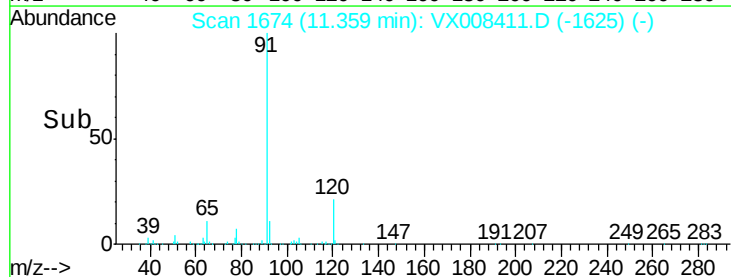
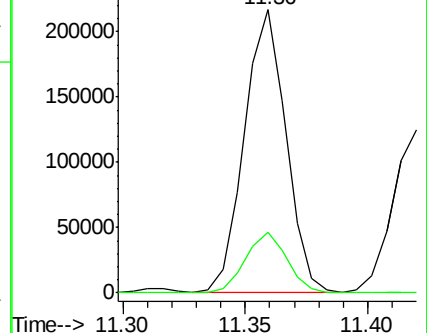
91 100

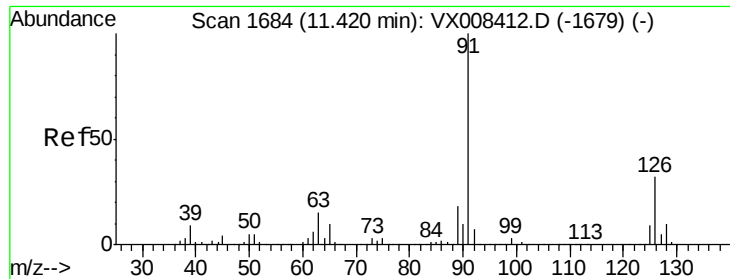
120 21.4 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.069 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 153514

Ion Ratio Lower Upper

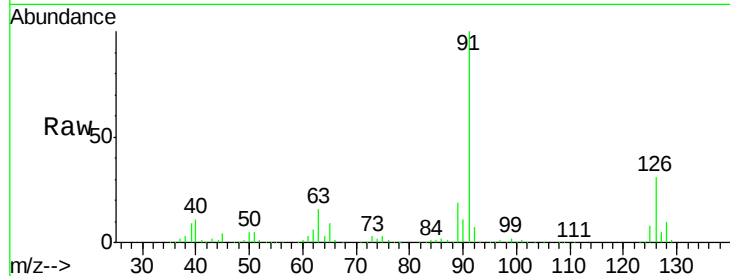
91 100

126 31.3 15.7 47.1

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX008411.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX008411.D (-1635) (-)

250000

200000

150000

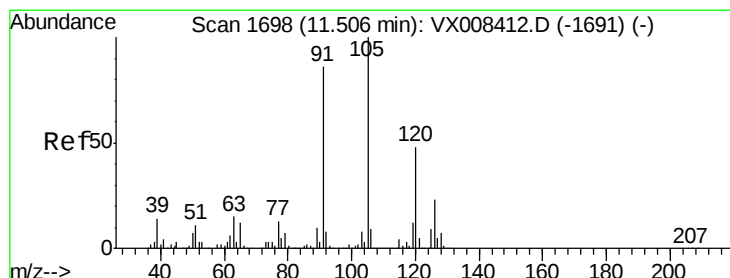
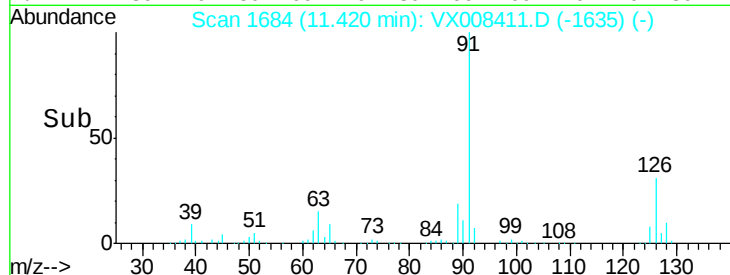
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.328 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008411.D

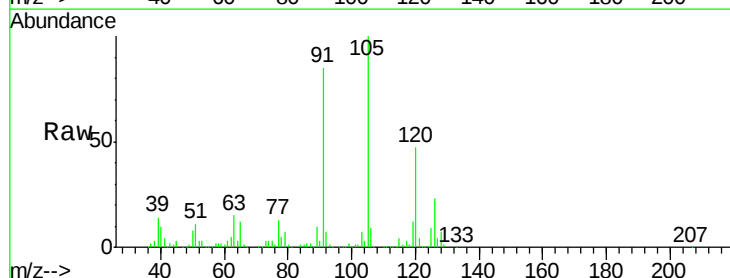
Acq: 25 Mar 2019 14:30

Tgt Ion: 105 Resp: 184920

Ion Ratio Lower Upper

105 100

120 47.3 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): VX008411.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX008411.D (-1649) (-)

150000

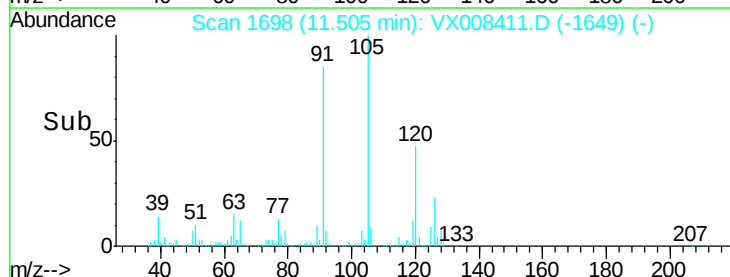
100000

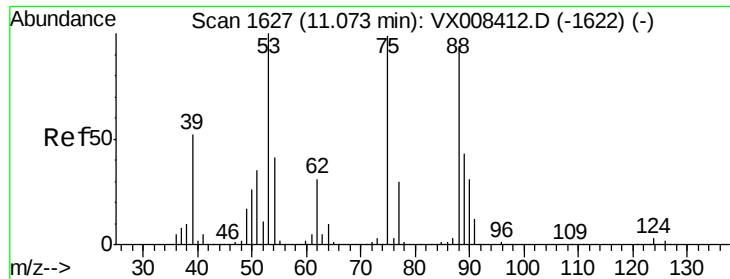
50000

0

11.45 11.50 11.55

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.650 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 23148

Ion Ratio Lower Upper

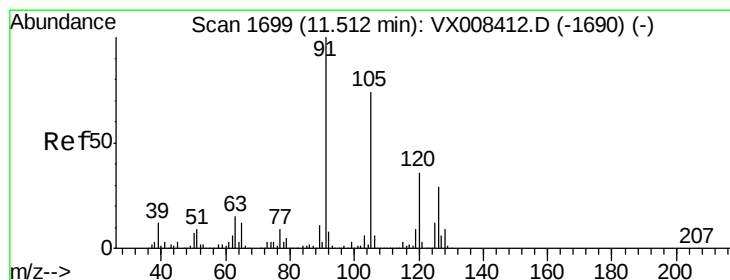
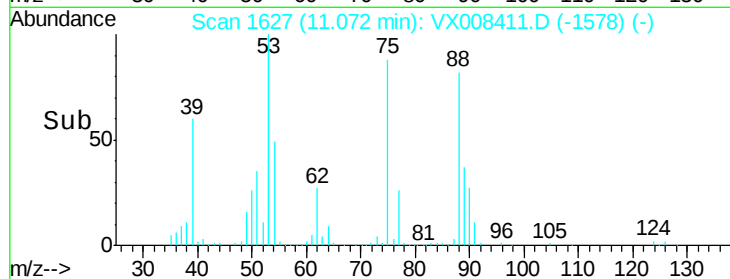
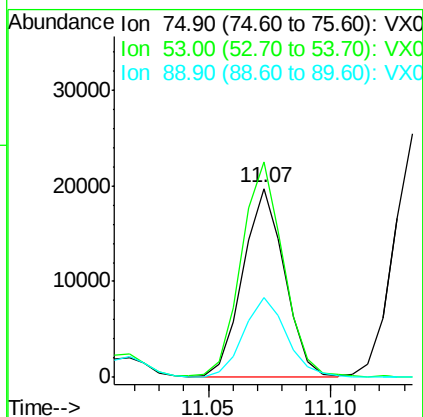
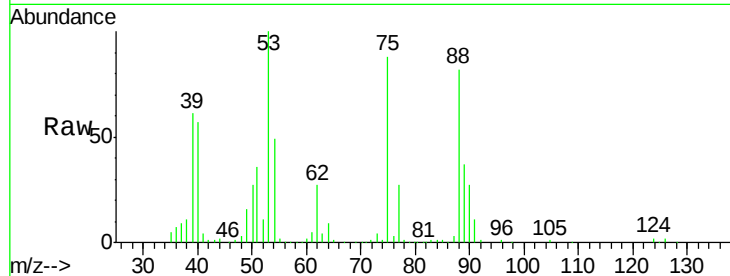
75 100

53 115.6 82.1 123.1

89 44.6 34.6 52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.892 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008411.D

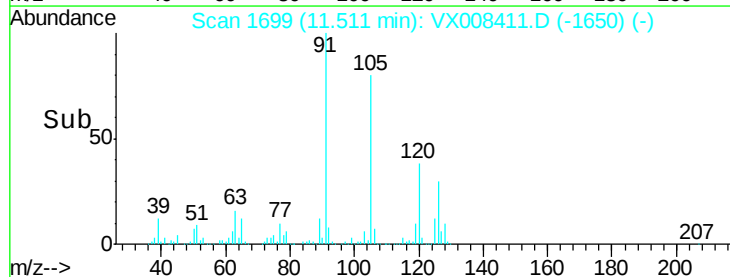
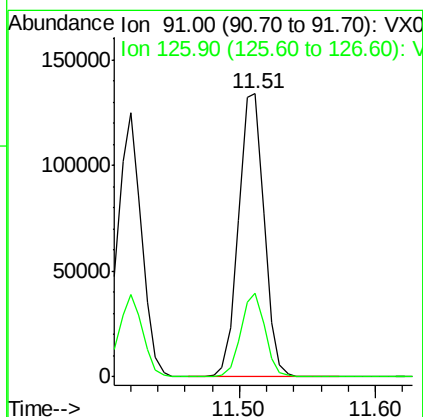
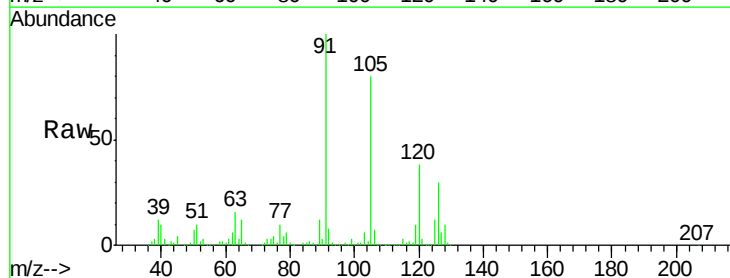
Acq: 25 Mar 2019 14:30

Tgt Ion: 91 Resp: 175019

Ion Ratio Lower Upper

91 100

126 27.8 13.9 41.7





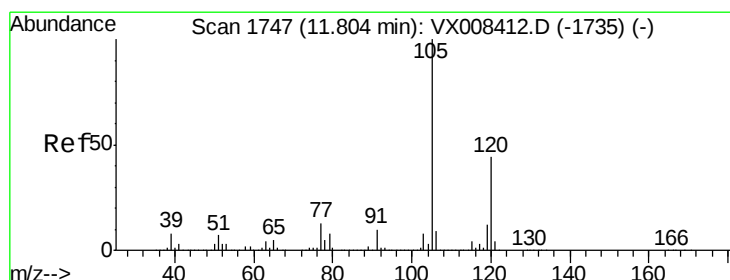
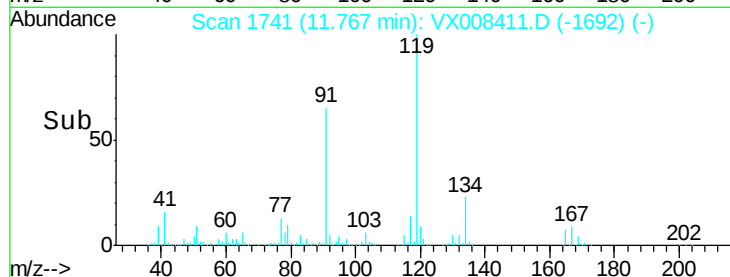
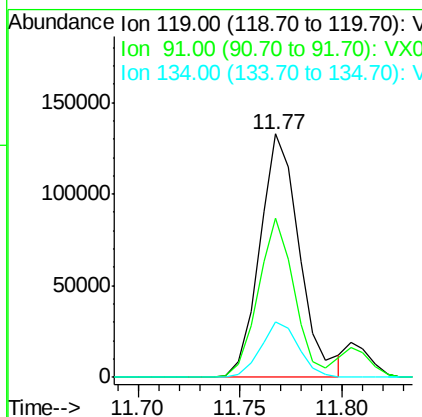
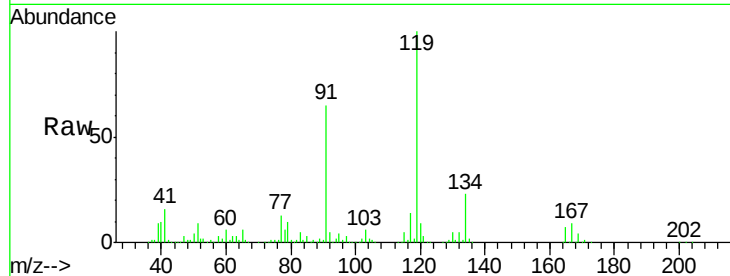
#83
 tert-Butylbenzene
 Concen: 20.815 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008411.D
 Acq: 25 Mar 2019 14:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	179849		
91	59.3		30.1	90.3
134	21.7		10.9	32.9

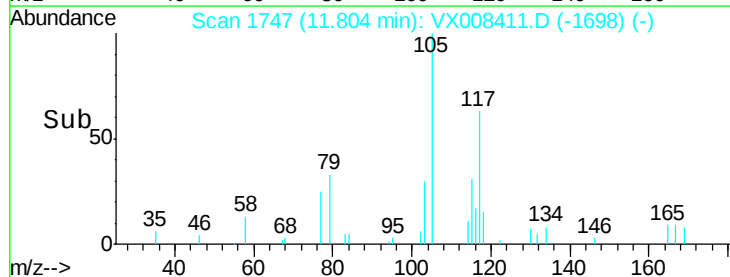
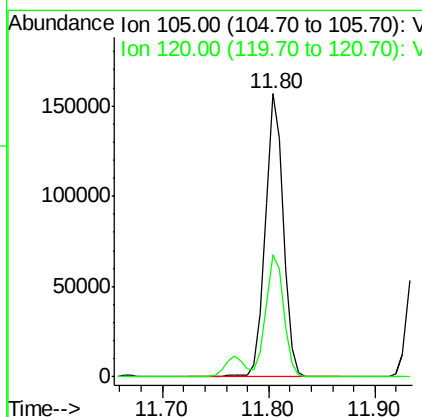
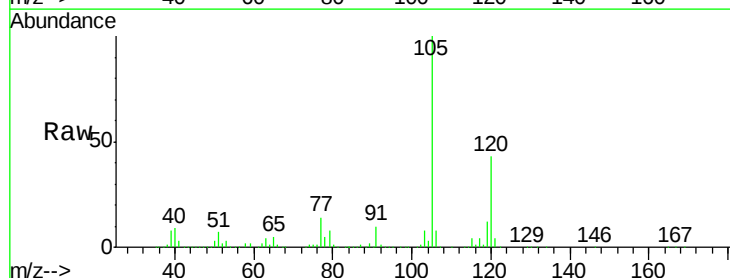
Manual Integrations
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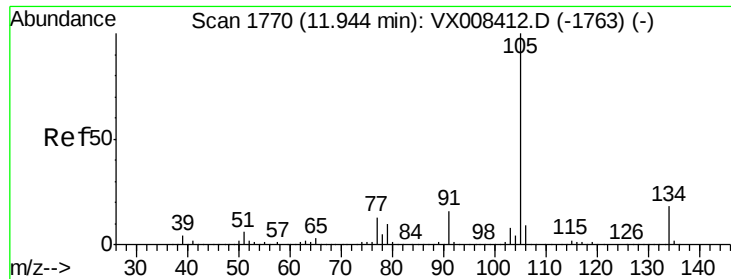
MMDadoda
 3/26/2019 9:46:30 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.482 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008411.D
 Acq: 25 Mar 2019 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	186170		
120	43.0		21.6	65.0





#85

sec-Butylbenzene

Concen: 20.474 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 212784

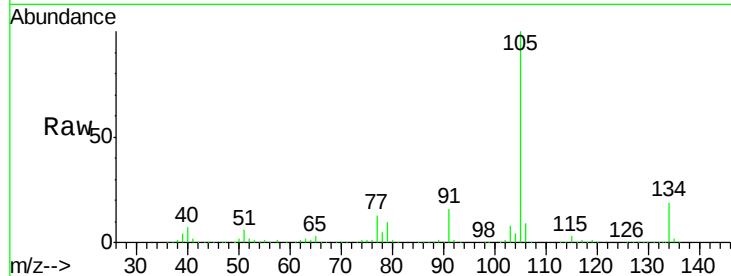
Ion Ratio Lower Upper

105 100

134 19.0 9.3 28.0

Manual Integrations
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3/26/2019 9:46:30 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

100000

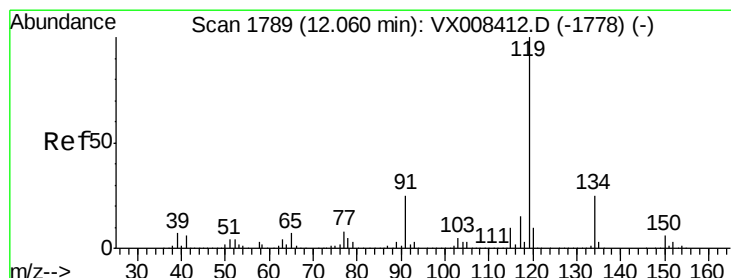
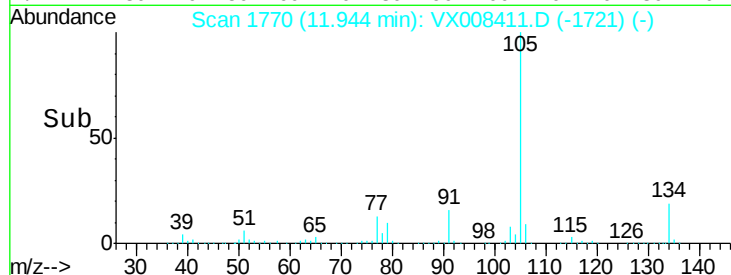
50000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 20.591 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

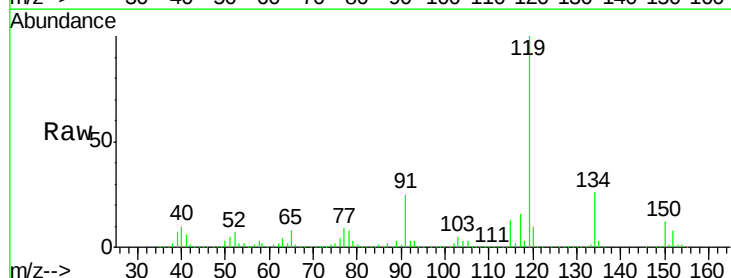
Tgt Ion:119 Resp: 188613

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

91 24.9 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

100000

50000

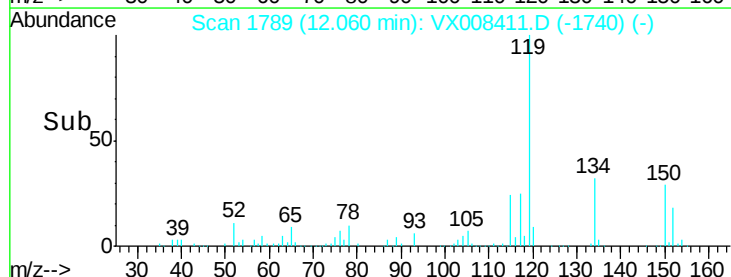
0

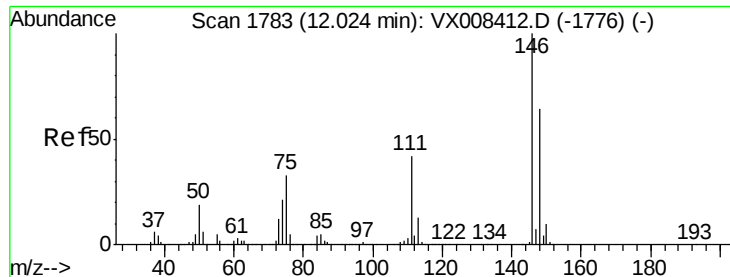
12.00

12.10

12.20

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.014 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

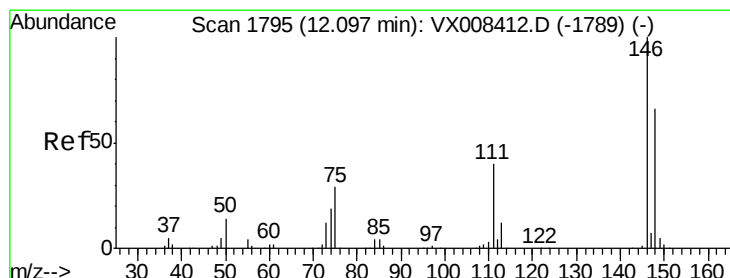
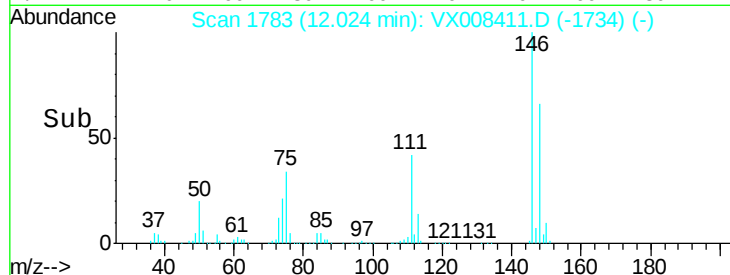
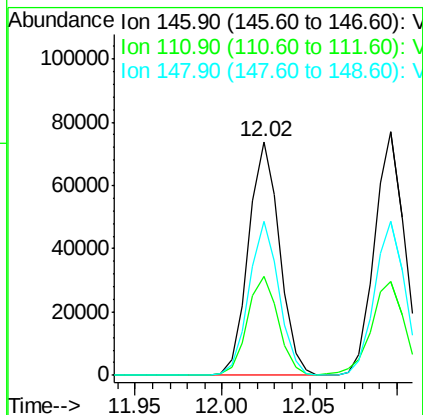
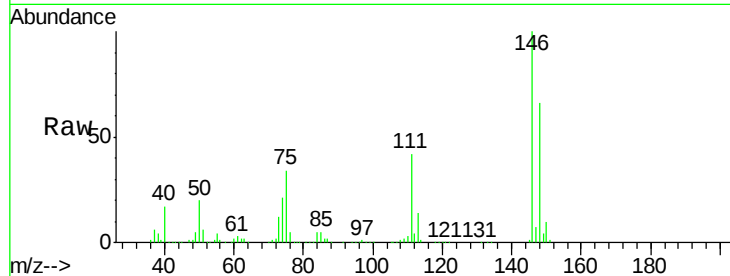
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	91164
Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.8	62.5
148	63.4	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.662 ug/l

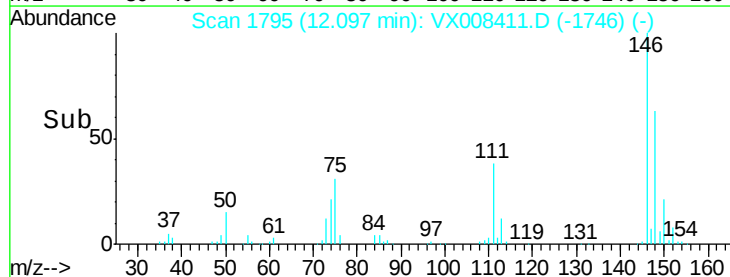
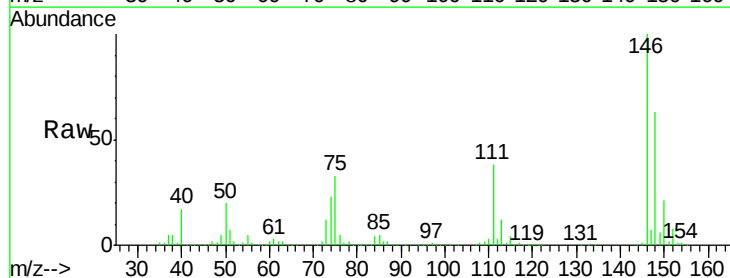
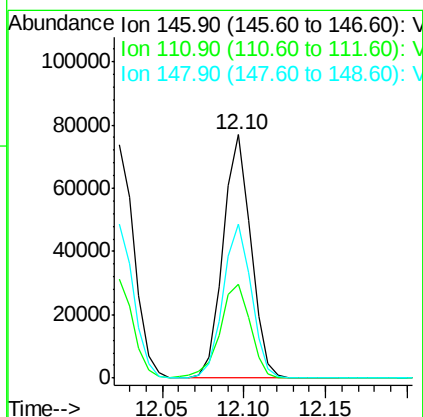
RT: 12.10 min Scan# 1795

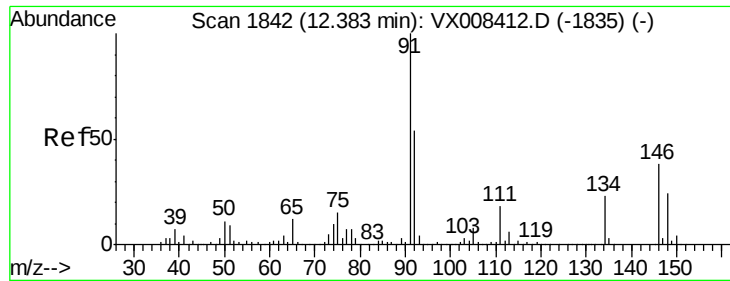
Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Tgt Ion:	146	Resp:	91256
Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	61.0
148	64.4	32.1	96.5





#89

n-Butylbenzene

Concen: 19.964 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

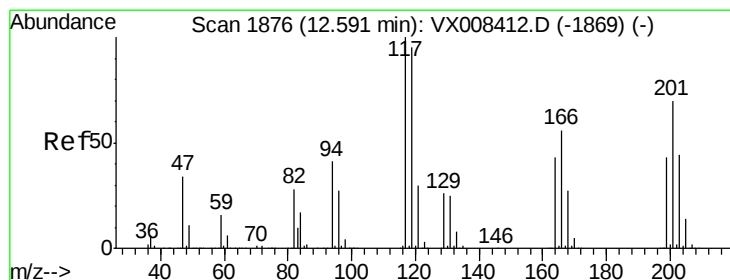
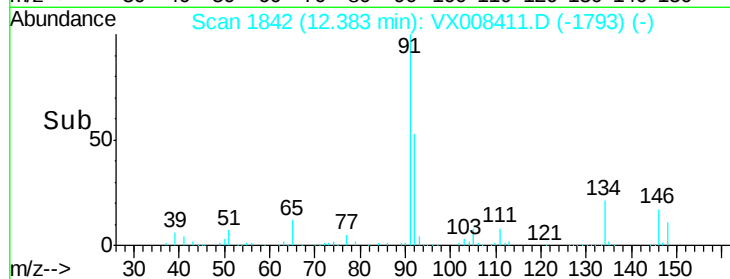
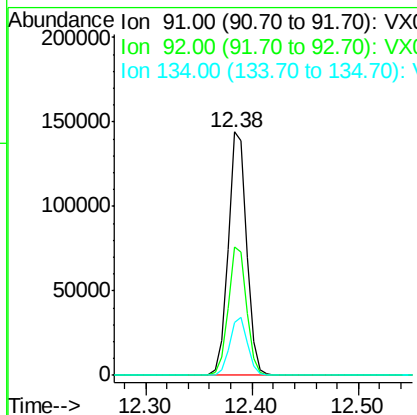
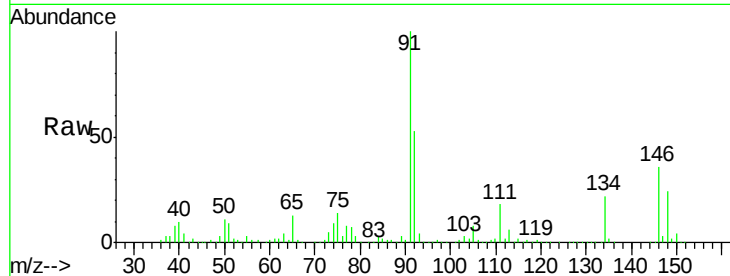
ClientSampleId :

VSTDIC020

Tot Ion:	91	Resp:	174423
Ion Ratio	Lower	Upper	
91	100		
92	52.6	26.5	79.5
134	23.3	11.8	35.4

Manual Integrations
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#90

Hexachloroethane

Concen: 19.698 ug/l

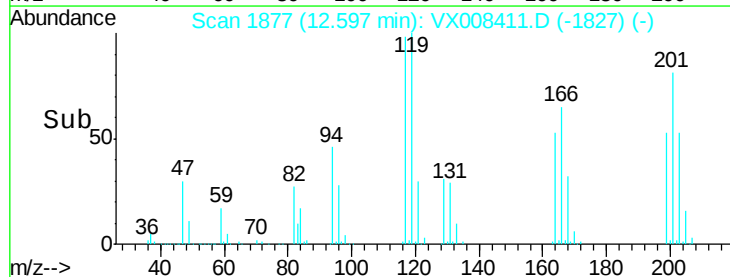
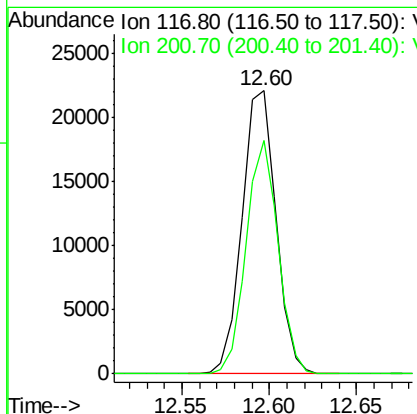
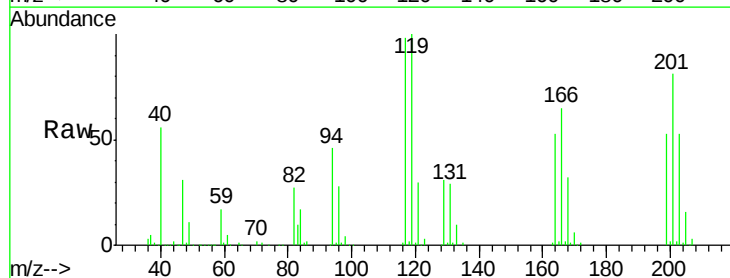
RT: 12.60 min Scan# 1877

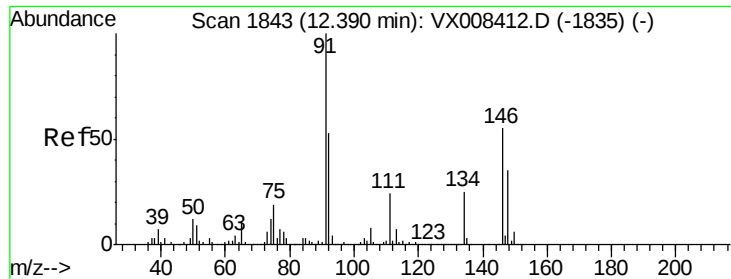
Delta R.T. 0.01 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Tgt Ion:	117	Resp:	29865
Ion Ratio	Lower	Upper	
117	100		
201	77.5	39.4	118.1





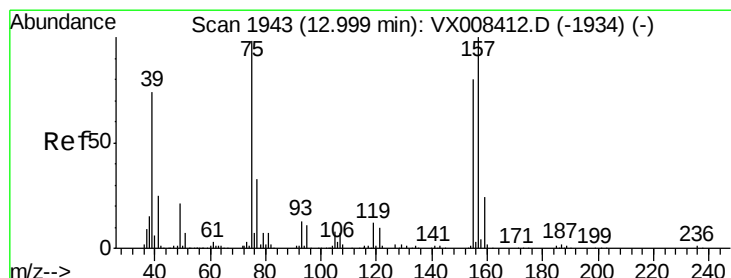
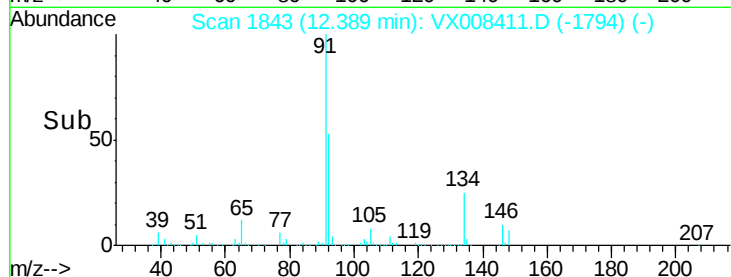
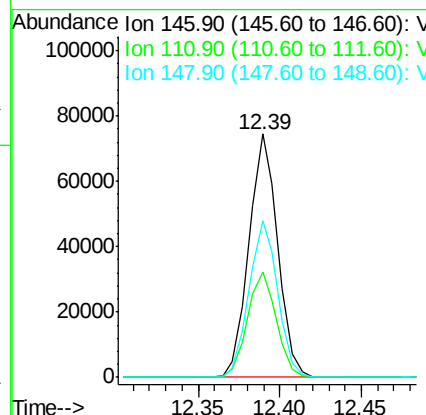
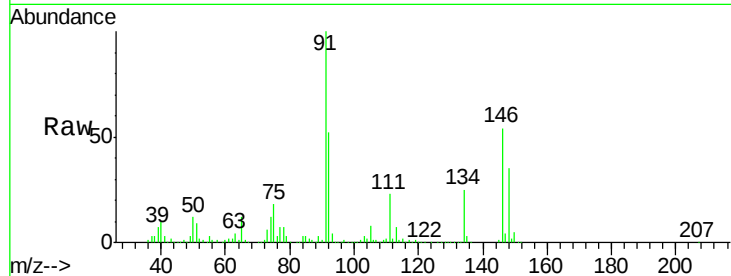
#91
 1,2-Dichlorobenzene
 Concen: 19.793 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008411.D
 Acq: 25 Mar 2019 14:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	64.6
148	64.5	31.9	95.7

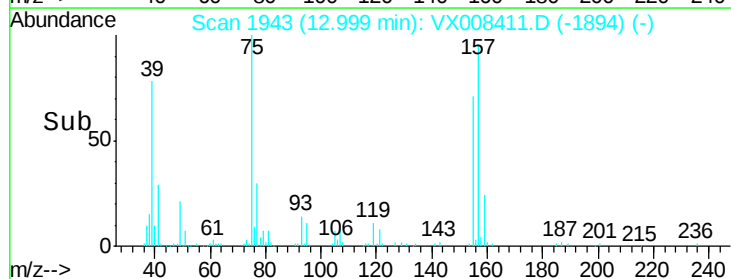
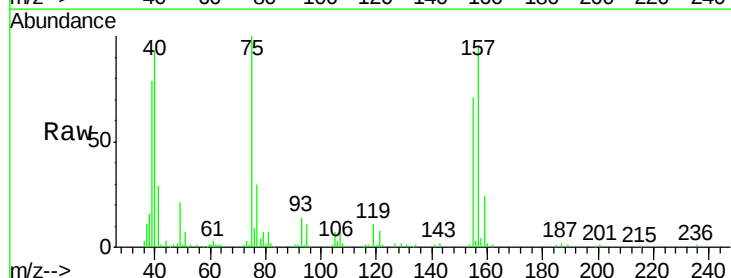
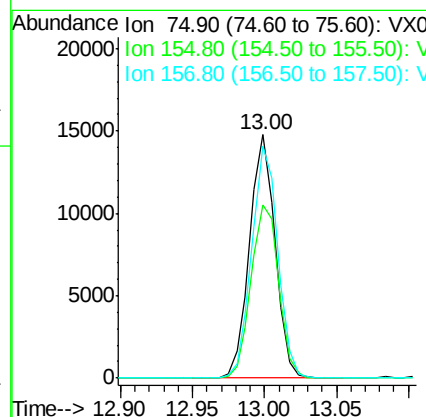
Manual Integrations
 APPROVED

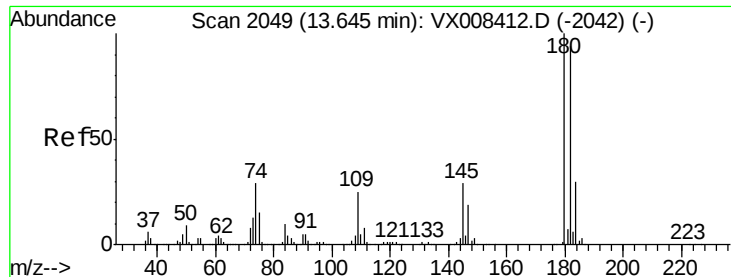
MMDadoda
 3/26/2019 9:46:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.084 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008411.D
 Acq: 25 Mar 2019 14:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.8	39.5	118.5
157	96.6	49.9	149.7





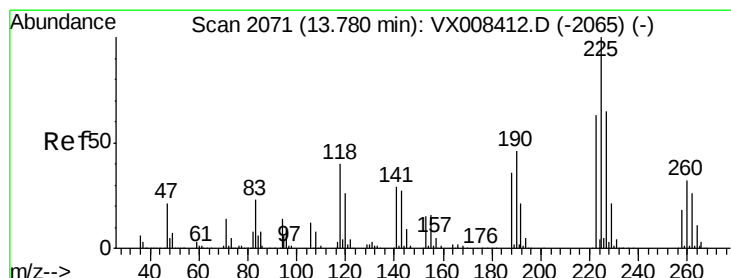
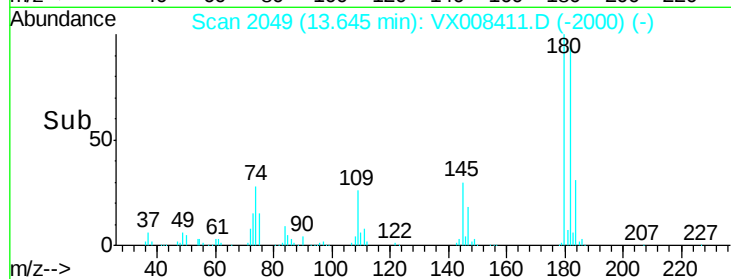
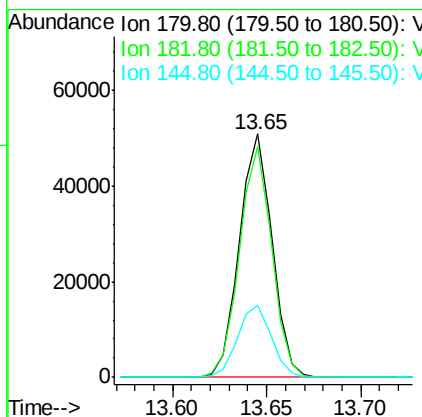
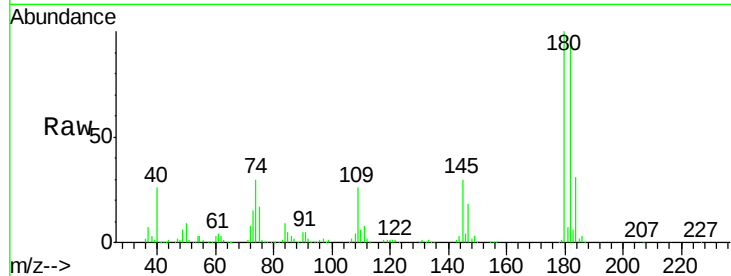
#93
 1,2,4-Trichlorobenzene
 Concen: 19.597 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008411.D
 Acq: 25 Mar 2019 14:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	180	Resp:	61255
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.3	142.0
145	30.6	15.3	45.8

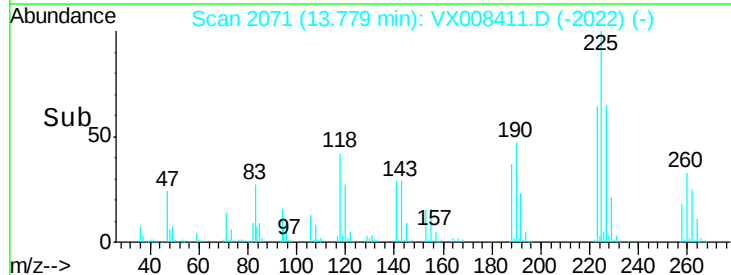
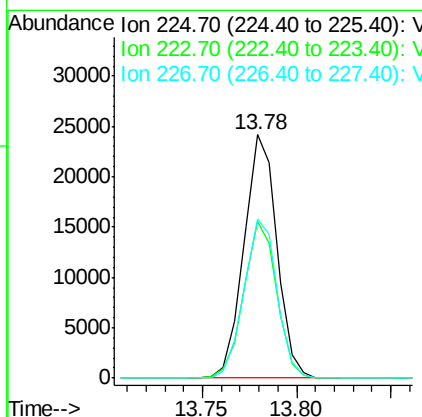
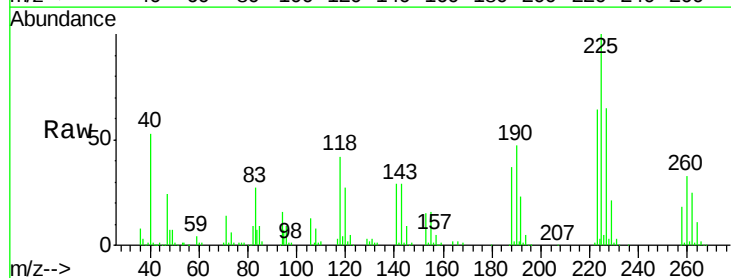
Manual Integrations
 APPROVED

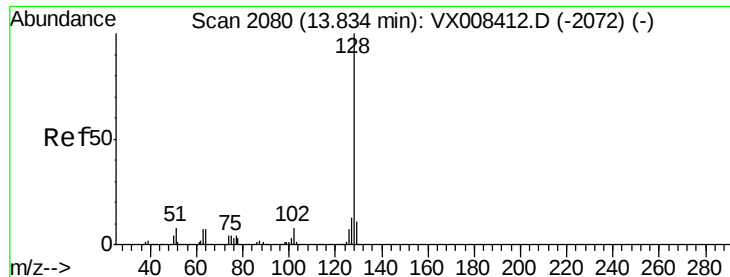
MMDadoda
 3/26/2019 9:46:30 AM



#94
 Hexachlorobutadiene
 Concen: 19.829 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008411.D
 Acq: 25 Mar 2019 14:30

Tgt Ion:	225	Resp:	29262
Ion Ratio	Lower	Upper	
225	100		
223	64.1	31.4	94.0
227	65.4	31.9	95.9





#95

Naphthalene

Concen: 20.435 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Instrument :

MSVOA_X

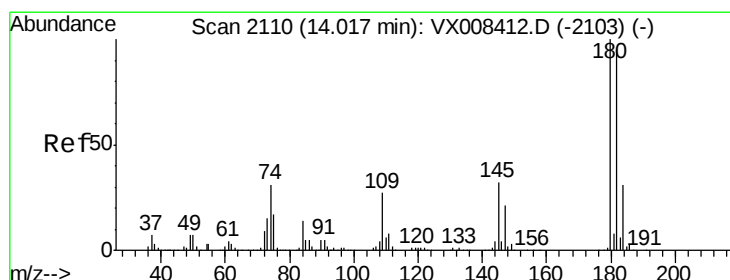
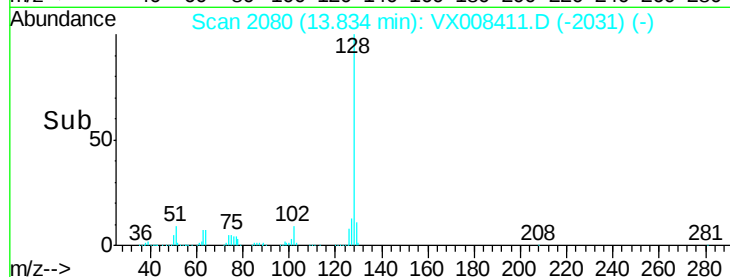
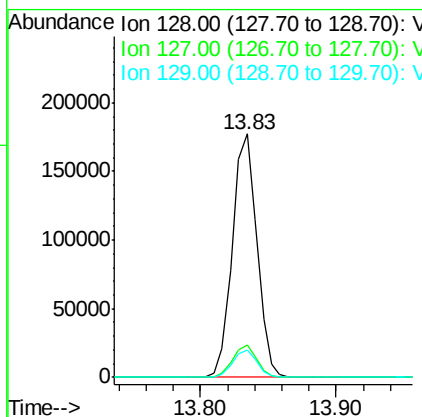
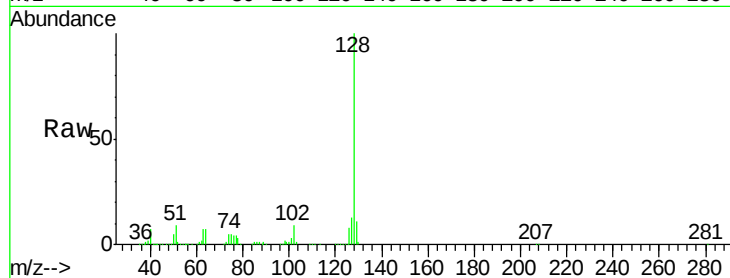
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	222497
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/26/2019 9:46:30 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.261 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008411.D

Acq: 25 Mar 2019 14:30

Tgt Ion:	180	Resp:	63609
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.3	142.0
145	32.3	16.2	48.5

