

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040219\
 Data File : VX008597.D
 Acq On : 02 Apr 2019 17:52
 Operator : JC/SP
 Sample : VX0402WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 10:51:26 AM

Quant Time: Apr 03 04:19:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	199282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	327935	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	290502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138535	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	138038	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	
35) Dibromofluoromethane	5.49	113	100976	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
50) Toluene-d8	8.71	98	407684	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	11.13	95	150291	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	31036	13.212	ug/l	100
3) Chloromethane	1.32	50	44866	14.680	ug/l	100
4) Vinyl Chloride	1.40	62	43043	13.124	ug/l	99
5) Bromomethane	1.64	94	20445	13.255	ug/l	100
6) Chloroethane	1.72	64	28146	14.486	ug/l	99
7) Trichlorofluoromethane	1.93	101	51273	13.803	ug/l	98
8) Diethyl Ether	2.18	74	24453	13.910	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34395	15.321	ug/l	99
10) Methyl Iodide	2.51	142	24731	14.516	ug/l	100
11) Tert butyl alcohol	3.04	59	55291	82.603	ug/l	98
12) 1,1-Dichloroethene	2.37	96	32891	14.187	ug/l	93
13) Acrolein	2.29	56	43985	90.488	ug/l	99
14) Allyl chloride	2.73	41	78508	15.370	ug/l	99
15) Acrylonitrile	3.14	53	139448	79.449	ug/l	100
16) Acetone	2.44	43	133620	84.622	ug/l	99
17) Carbon Disulfide	2.57	76	92510	13.628	ug/l	99
18) Methyl Acetate	2.77	43	61975	16.342	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	130458	15.615	ug/l	99
20) Methylene Chloride	2.85	84	42128	15.911	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	36282	15.518	ug/l	96
22) Diisopropyl ether	3.85	45	159087	15.818	ug/l	97
23) Vinyl Acetate	3.81	43	694253	79.122	ug/l	100
24) 1,1-Dichloroethane	3.70	63	77394	15.243	ug/l	99
25) 2-Butanone	4.67	43	206118	81.422	ug/l	99
26) 2,2-Dichloropropane	4.58	77	54645	16.181	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	43276	15.265	ug/l	99
28) Bromochloromethane	5.01	49	40439	16.121	ug/l	99
29) Tetrahydrofuran	5.13	42	131114	78.586	ug/l	99
30) Chloroform	5.21	83	70774	15.445	ug/l	99
31) Cyclohexane	5.57	56	73205	15.117	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	57276	15.638	ug/l	98
36) 1,1-Dichloropropene	5.80	75	53433	15.282	ug/l	99
37) Ethyl Acetate	4.83	43	75571	16.684	ug/l	99
38) Carbon Tetrachloride	5.78	117	46032	15.775	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67180	16.077	ug/l	99
40) Benzene	6.14	78	166218	15.879	ug/l	98
41) Methacrylonitrile	5.04	41	42348	16.636	ug/l	98
42) 1,2-Dichloroethane	6.19	62	60055	15.670	ug/l	99
43) Isopropyl Acetate	6.44	43	118713	16.385	ug/l	99
44) Trichloroethene	7.21	130	37835	15.394	ug/l	99
45) 1,2-Dichloropropane	7.51	63	48044	16.148	ug/l	97
46) Dibromomethane	7.66	93	27005	15.543	ug/l	99
47) Bromodichloromethane	7.89	83	53723	16.154	ug/l	96
48) Methyl methacrylate	7.77	41	59925	16.530	ug/l	96
49) 1,4-Dioxane	7.74	88	24652	342.000	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	394086	83.744	ug/l	100
52) Toluene	8.78	92	99626	15.917	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	58943	16.182	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	66719	16.108	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	41106	16.134	ug/l	99
56) Ethyl methacrylate	9.18	69	74243	16.143	ug/l	99
57) 1,3-Dichloropropane	9.37	76	73345	16.056	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	202730	85.277	ug/l	100
59) 2-Hexanone	9.49	43	312932	85.821	ug/l	98
60) Dibromochloromethane	9.58	129	38112	15.729	ug/l	99
61) 1,2-Dibromoethane	9.67	107	41293	15.881	ug/l	97
64) Tetrachloroethene	9.34	164	32573	16.562	ug/l	97
65) Chlorobenzene	10.13	112	102656	16.249	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	35840	16.443	ug/l	99
67) Ethyl Benzene	10.25	91	191998	16.103	ug/l	99
68) m/p-Xylenes	10.36	106	140116	32.303	ug/l	99
69) o-Xylene	10.69	106	68318	16.230	ug/l	99
70) Styrene	10.71	104	120238	16.537	ug/l	98
71) Bromoform	10.85	173	26973	15.670	ug/l #	100
73) Isopropylbenzene	11.02	105	183688	16.298	ug/l	100
74) N-amyl acetate	10.90	43	105479	16.169	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	69845	15.972	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	59694m	14.494	ug/l	
77) Bromobenzene	11.26	156	43454	15.886	ug/l	100
78) n-propylbenzene	11.36	91	214515	16.248	ug/l	100
79) 2-Chlorotoluene	11.42	91	127251	15.846	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	155127	16.281	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20488	15.933	ug/l	94
82) 4-Chlorotoluene	11.51	91	146112	15.774	ug/l	100
83) tert-Butylbenzene	11.77	119	147523	16.047	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	156332	16.221	ug/l	99
85) sec-Butylbenzene	11.94	105	181245	16.556	ug/l	99
86) p-Isopropyltoluene	12.06	119	160867	16.653	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	78932	16.151	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	77390	15.690	ug/l	98
89) n-Butylbenzene	12.38	91	148167	16.192	ug/l	99
90) Hexachloroethane	12.59	117	26139	16.242	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	79161	16.174	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15339	16.087	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54787	16.627	ug/l	98
94) Hexachlorobutadiene	13.78	225	26695	17.062	ug/l	99
95) Naphthalene	13.83	128	187966	16.639	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	55791	16.850	ug/l	99

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

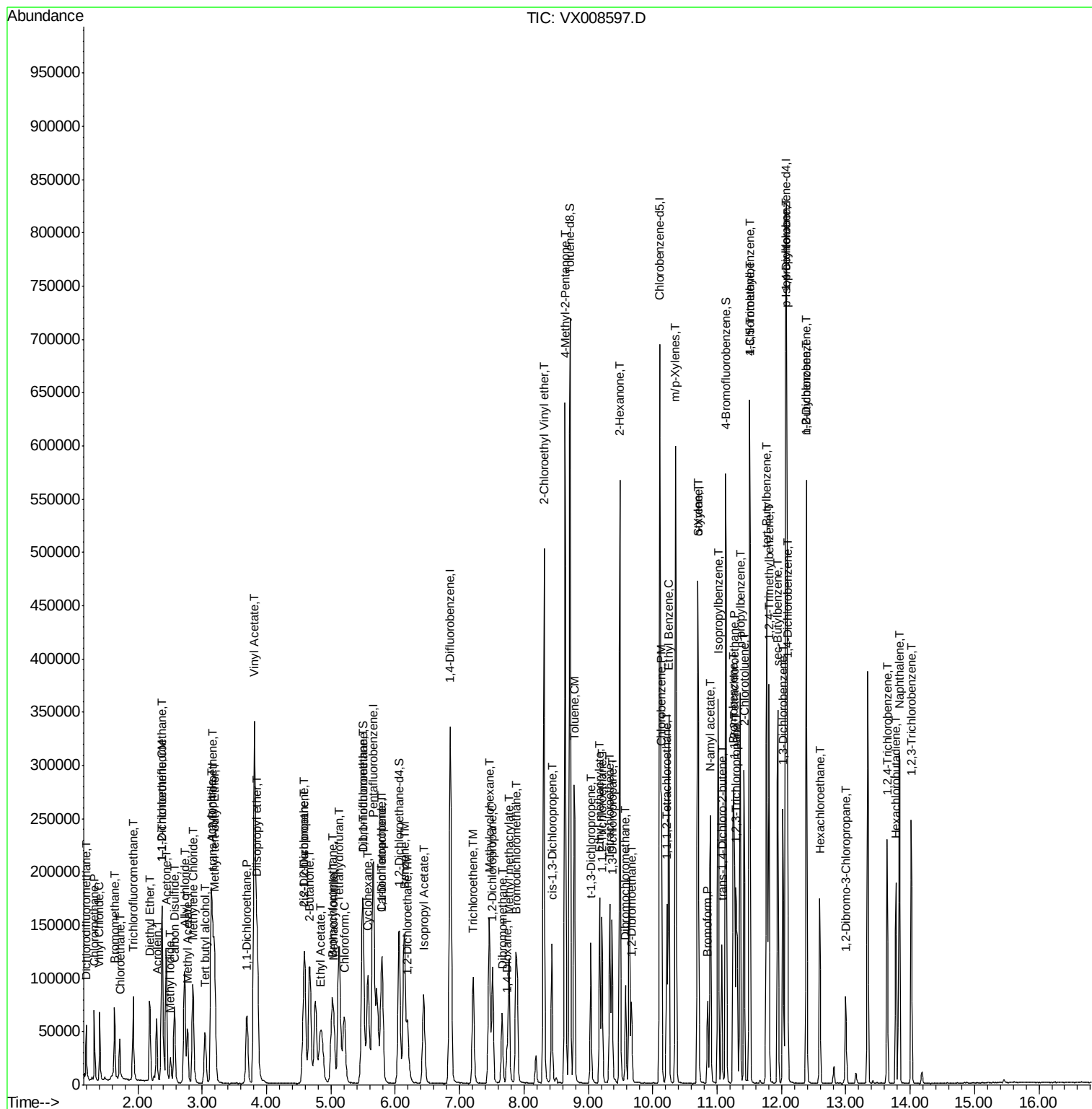
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040219\
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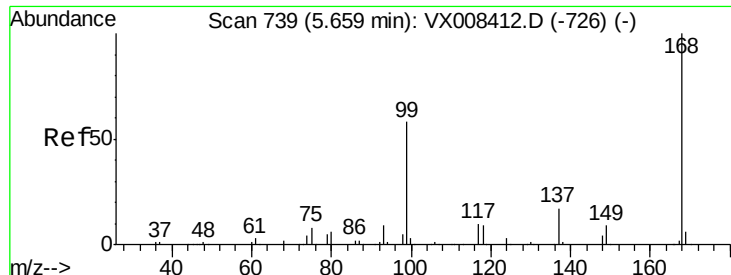
Instrument :
MSVOA_X
Client Sampled :
VX0402WBS02

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion:168 Resp: 199282

Ion Ratio Lower Upper

168 100

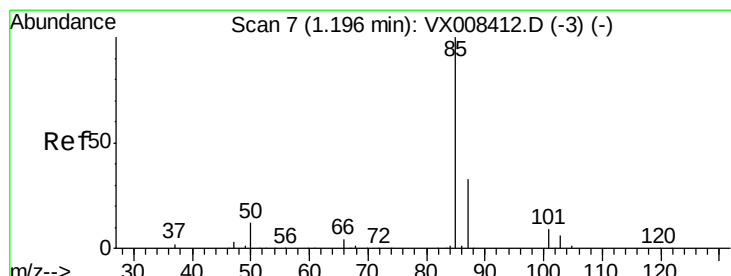
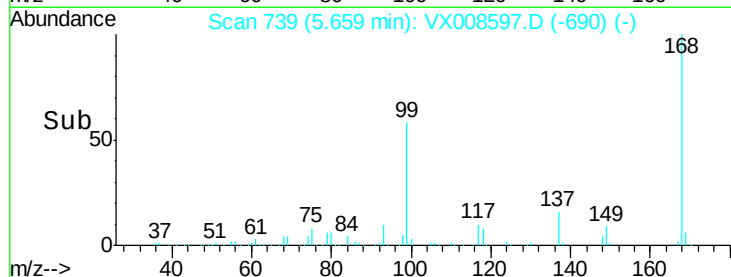
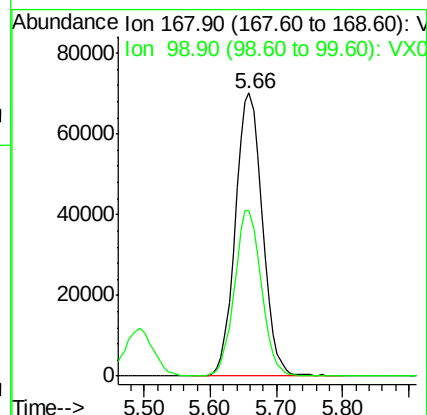
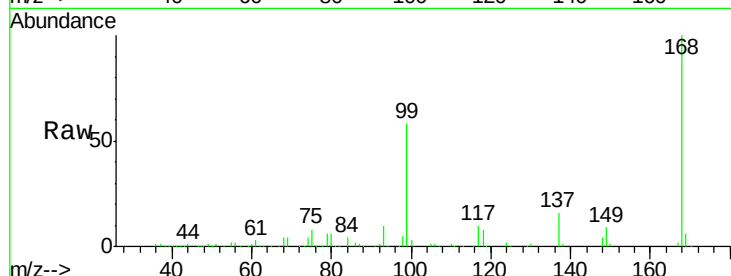
99 58.3 46.0 69.0

Manual Integrations

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4/3/2019 10:51:26 AM



#2

Dichlorodifluoromethane

Concen: 13.212 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008597.D

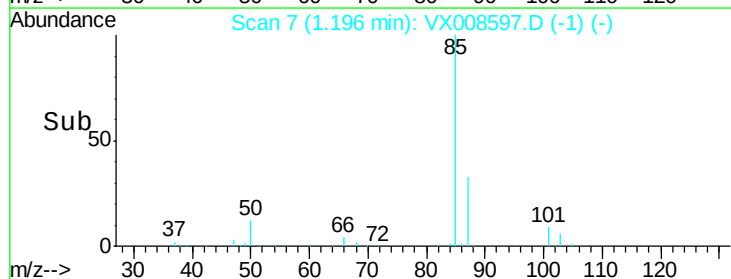
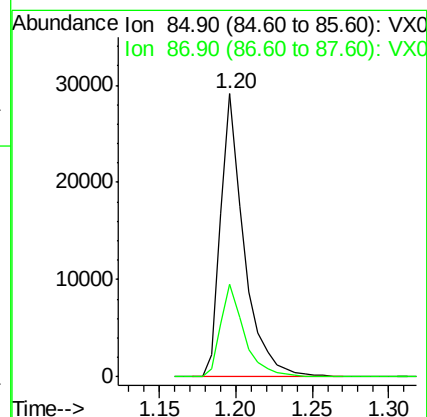
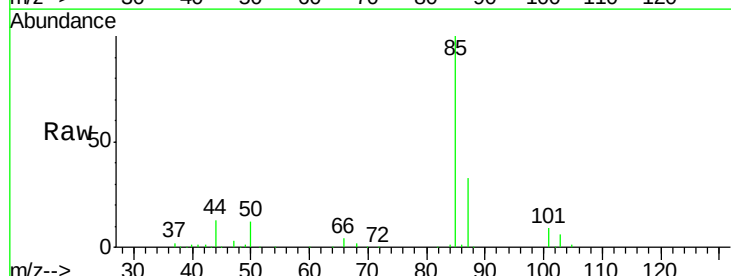
Acq: 02 Apr 2019 17:52

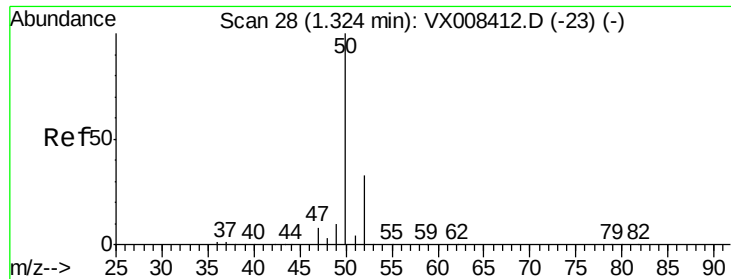
Tgt Ion: 85 Resp: 31036

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.1





#3

Chloromethane

Concen: 14.680 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion: 50 Resp: 44866

Ion Ratio Lower Upper

50 100

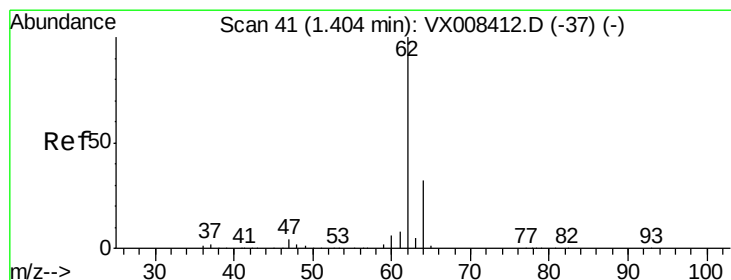
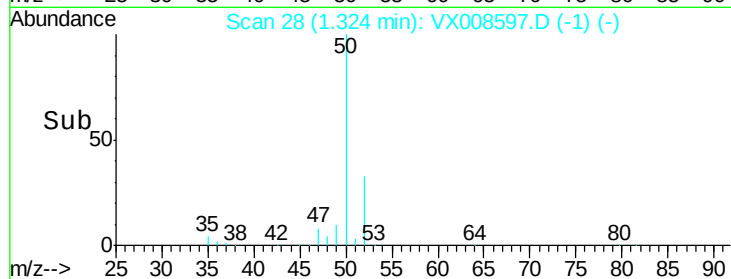
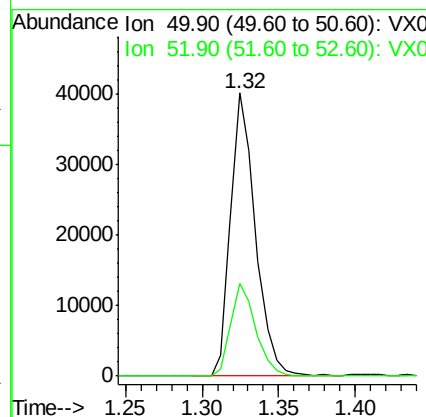
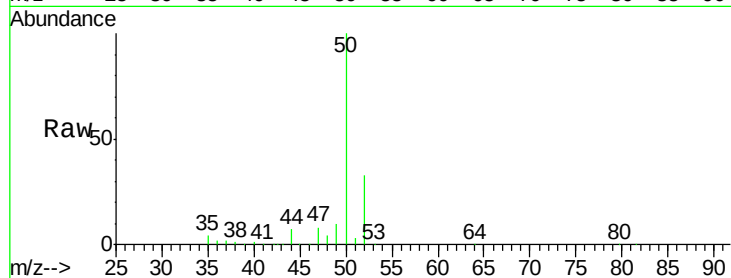
52 32.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 13.124 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008597.D

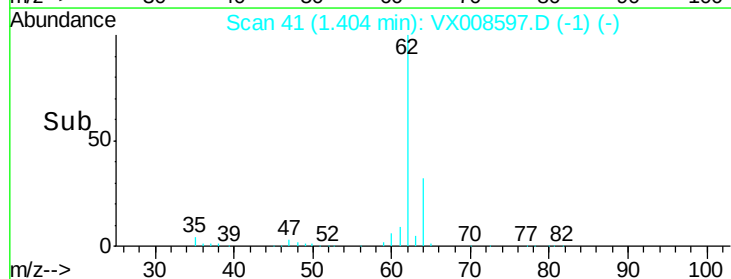
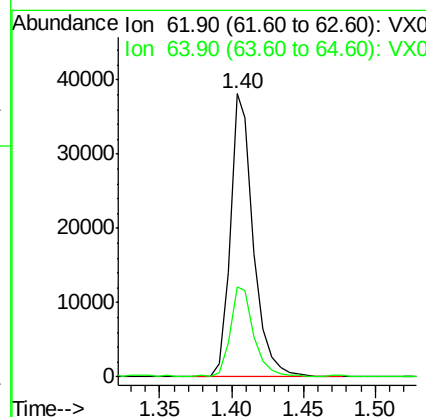
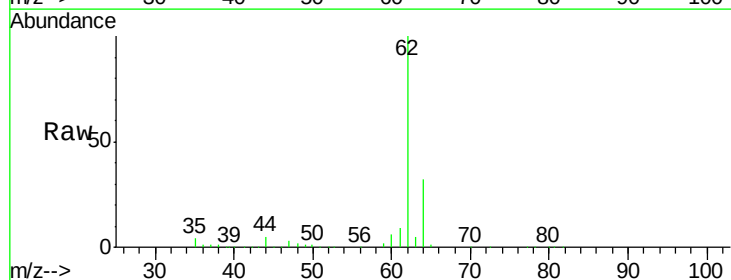
Acq: 02 Apr 2019 17:52

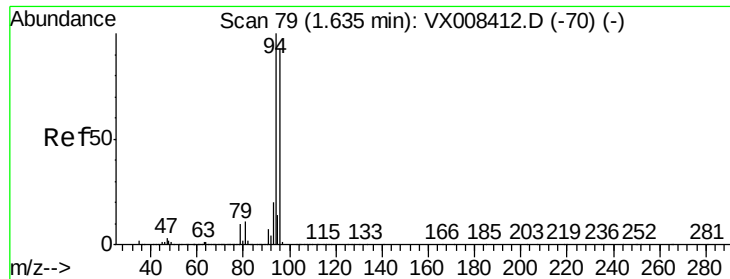
Tgt Ion: 62 Resp: 43043

Ion Ratio Lower Upper

62 100

64 31.4 25.5 38.3





#5

Bromomethane

Concen: 13.255 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

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ClientSampleId :

VX0402WBS02

Tot Ion: 94 Resp: 20445

Ion Ratio Lower Upper

94 100

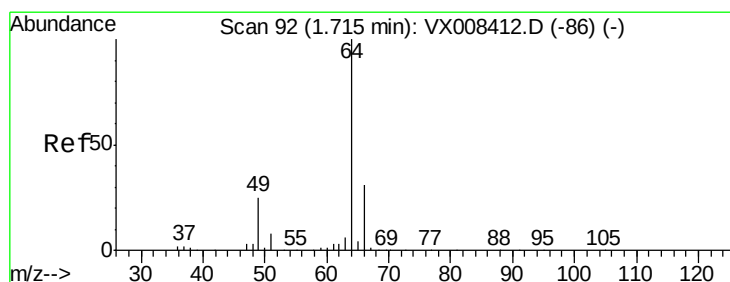
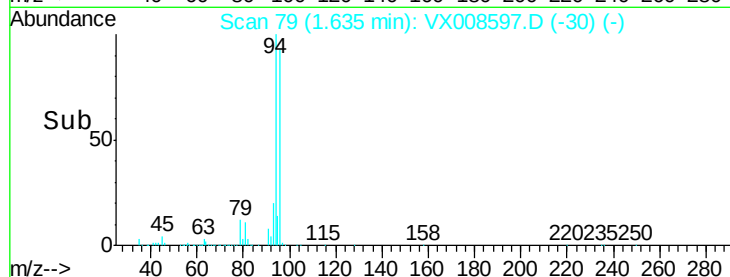
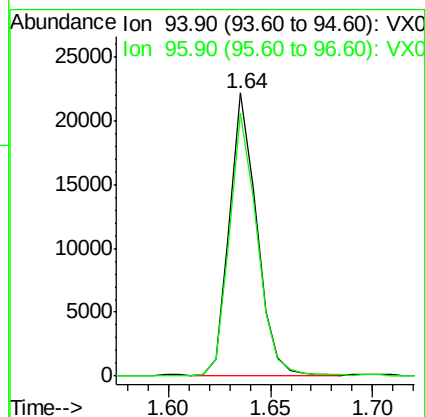
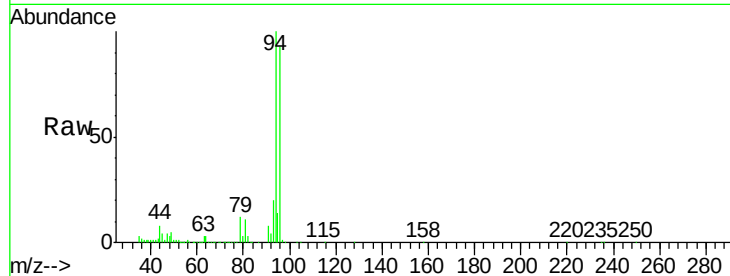
96 93.1 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 14.486 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008597.D

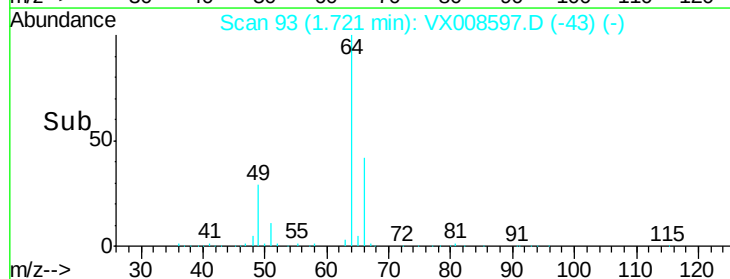
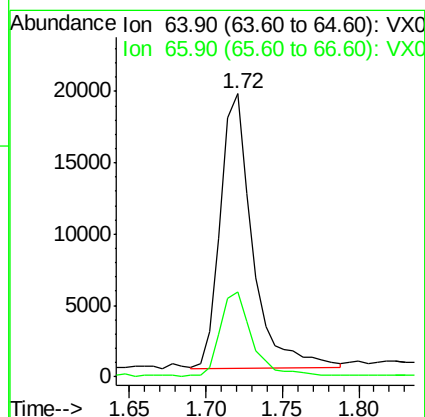
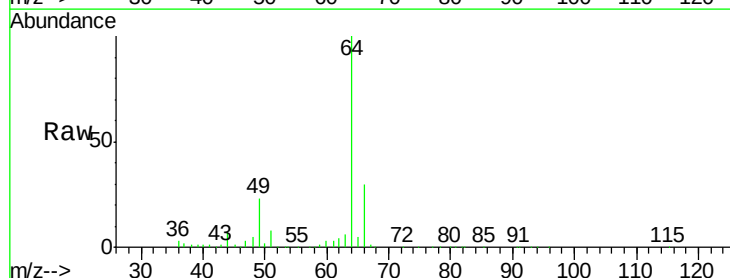
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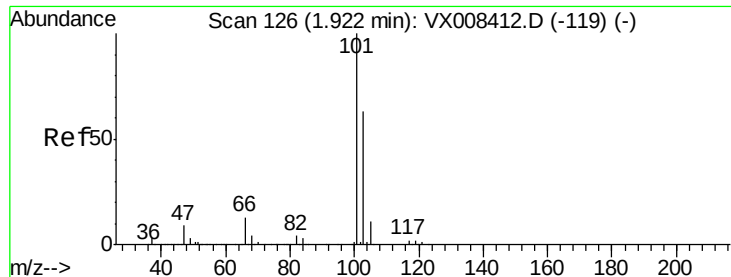
Tgt Ion: 64 Resp: 28146

Ion Ratio Lower Upper

64 100

66 30.6 25.1 37.7





#7

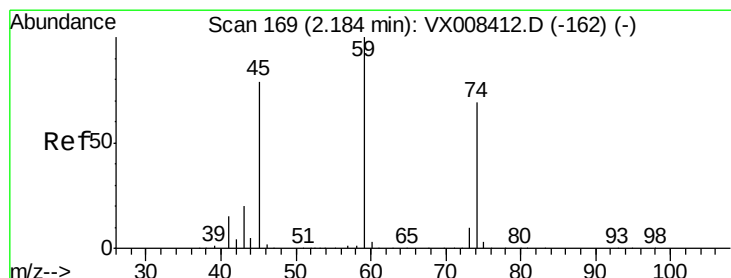
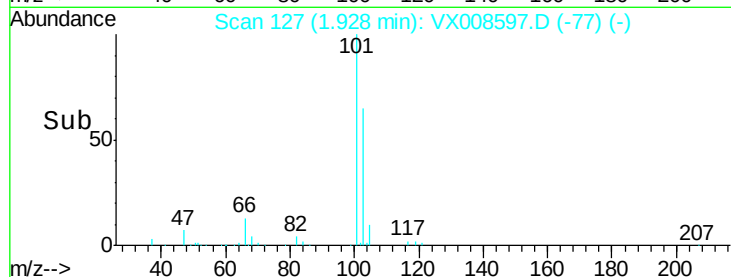
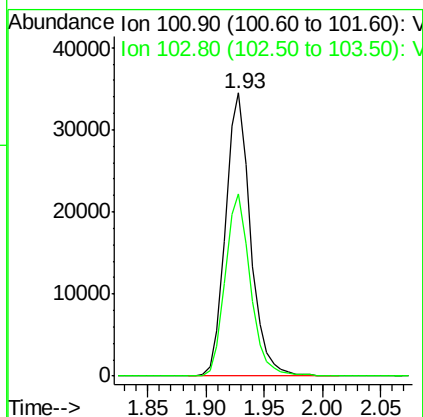
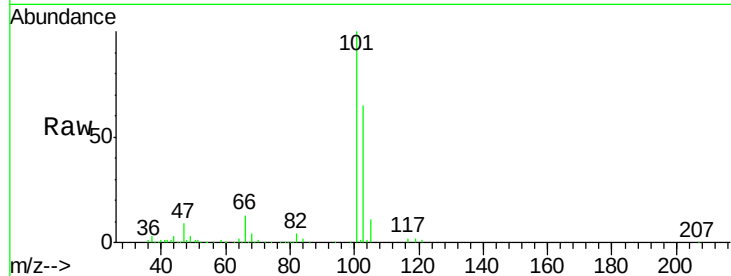
Trichlorofluoromethane
 Concen: 13.803 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.2	75.4

Manual Integrations
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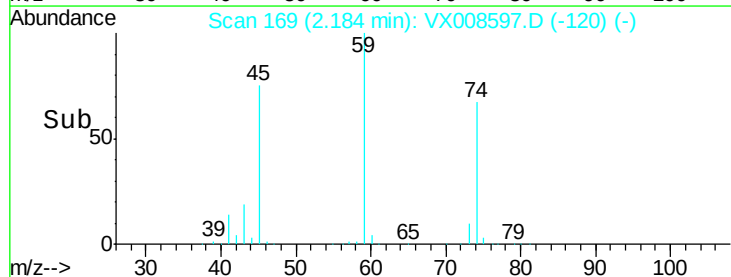
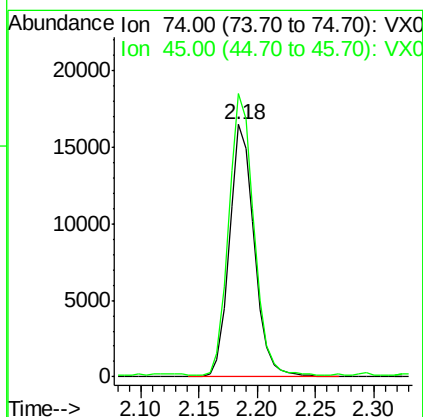
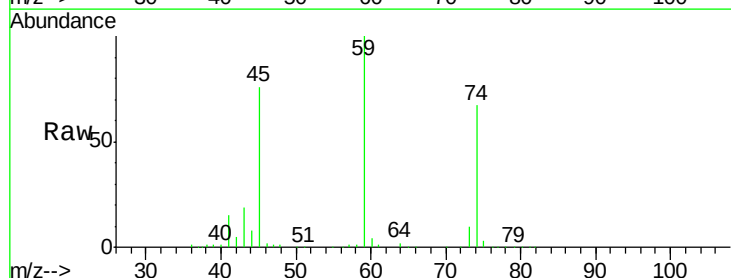
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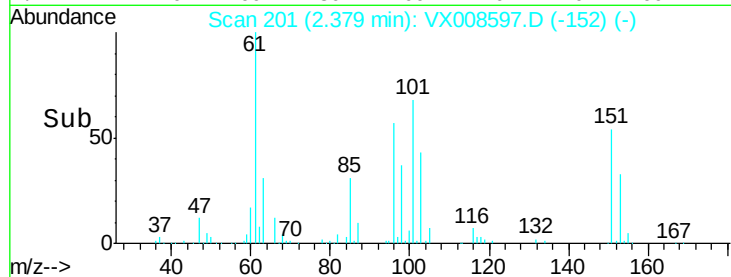
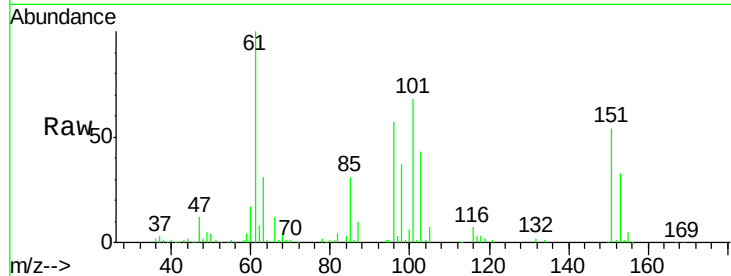
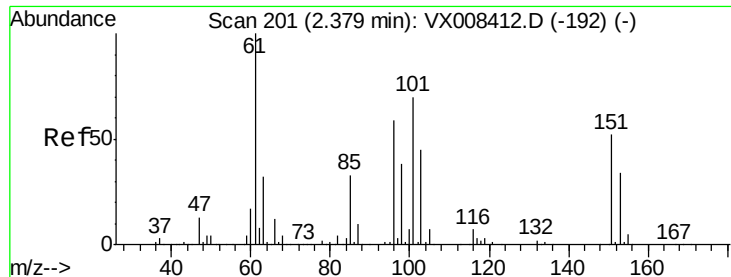


#8

Diethyl Ether
 Concen: 13.910 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX008597.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.5	56.4	169.2





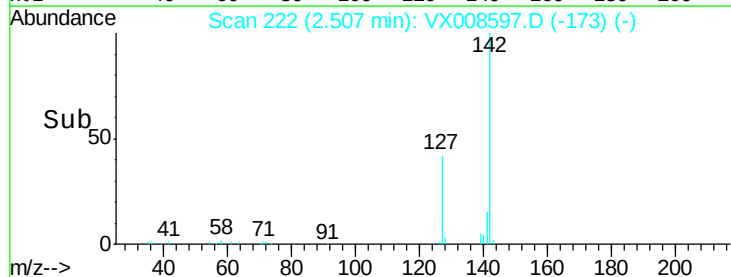
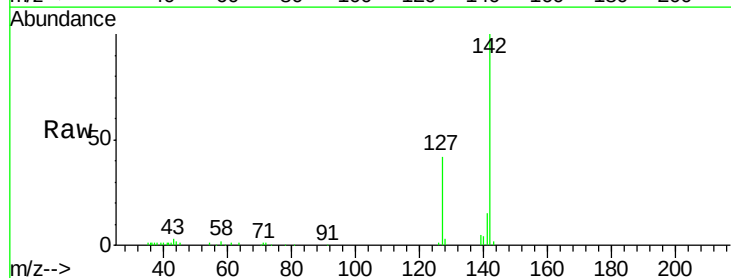
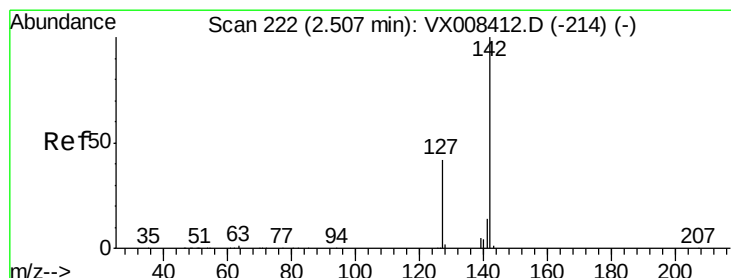
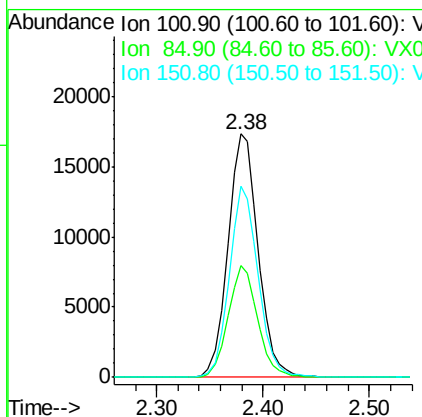
#9
1,1,2-Trichlorotrifluoroethane
Concen: 15.321 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	34395		
85	44.7	36.0	54.0	
151	75.1	59.2	88.8	

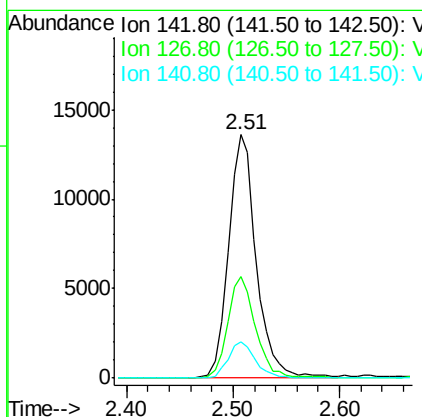
Manual Integrations
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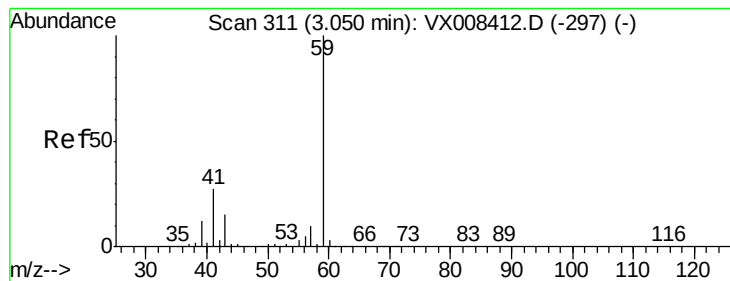
MMDadoda
4/3/2019 10:51:26 AM



#10
Methyl Iodide
Concen: 14.516 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	24731		
127	42.0	33.6	50.4	
141	14.6	11.3	16.9	





#11

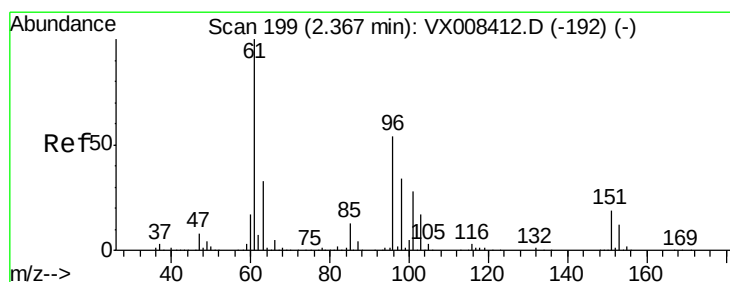
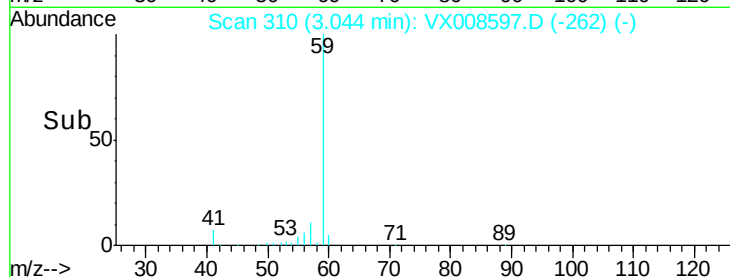
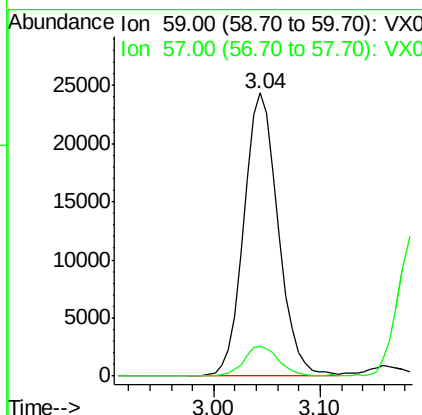
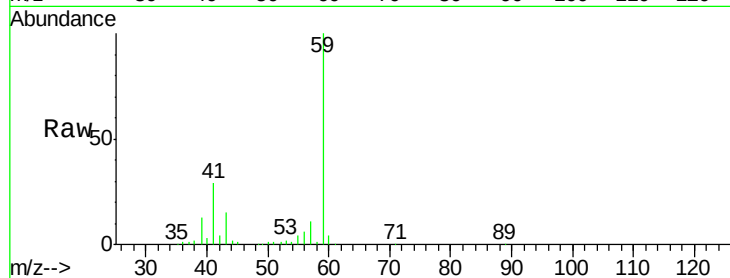
Tert butyl alcohol
Concen: 82.603 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampled :
VX0402WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.4

Manual Integrations
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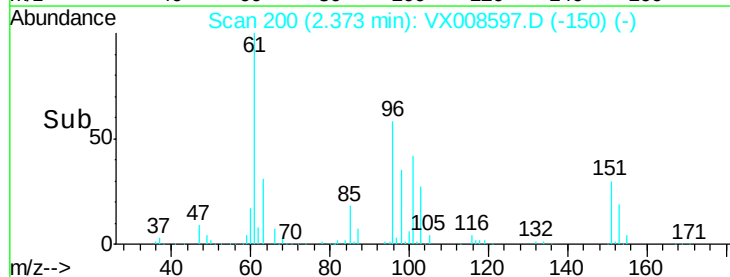
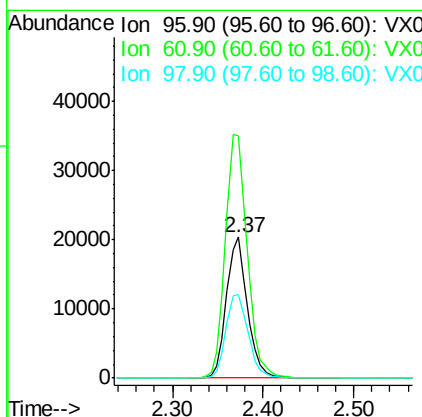
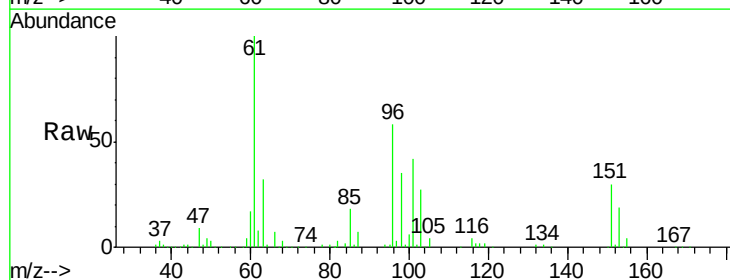
MMDadoda
4/3/2019 10:51:26 AM

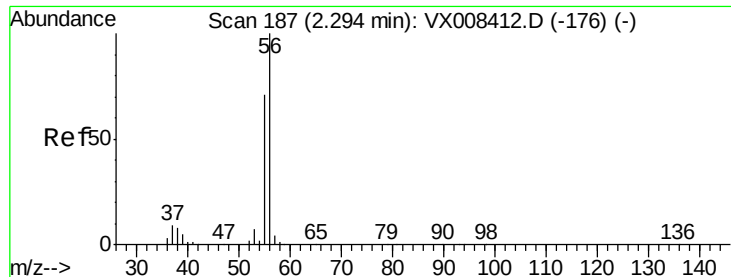


#12

1,1-Dichloroethene
Concen: 14.187 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.5	146.9	220.3
98	59.6	50.1	75.1





#13

Acrolein

Concen: 90.488 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion: 56 Resp: 43985

Ion Ratio Lower Upper

56 100

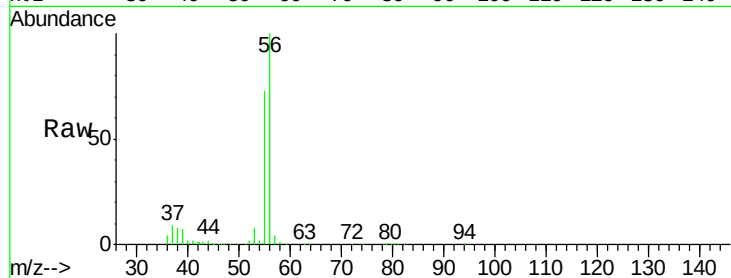
55 71.6 56.5 84.7

Manual Integrations

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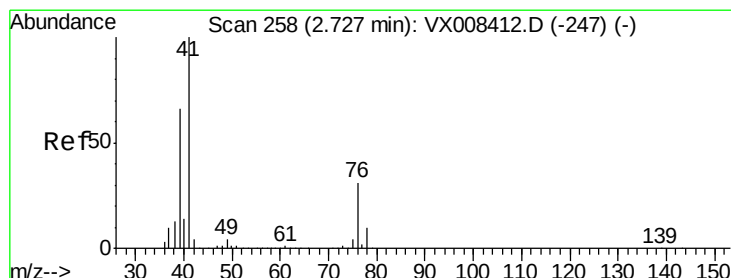
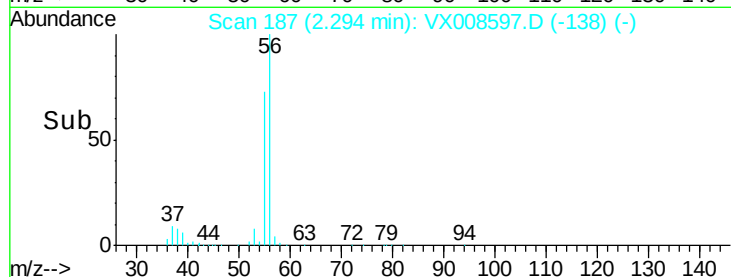
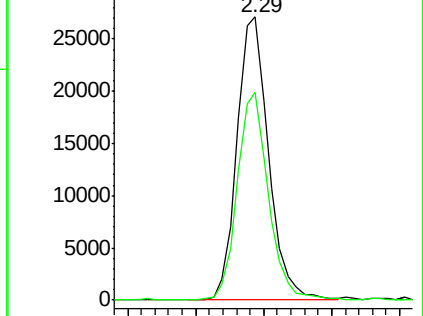
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 15.370 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

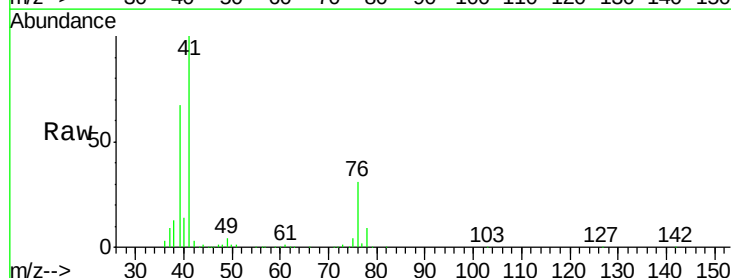
Tgt Ion: 41 Resp: 78508

Ion Ratio Lower Upper

41 100

39 61.0 49.6 74.4

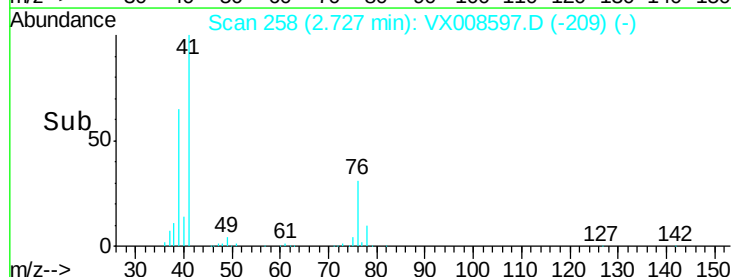
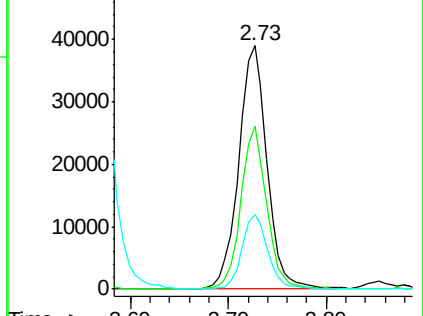
76 27.8 22.6 34.0

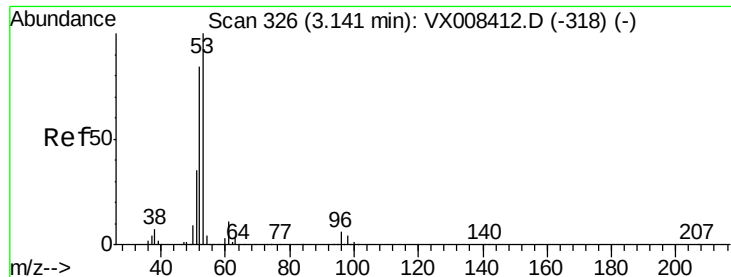


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 79.449 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

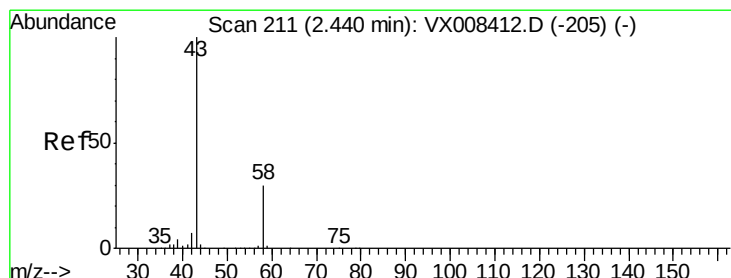
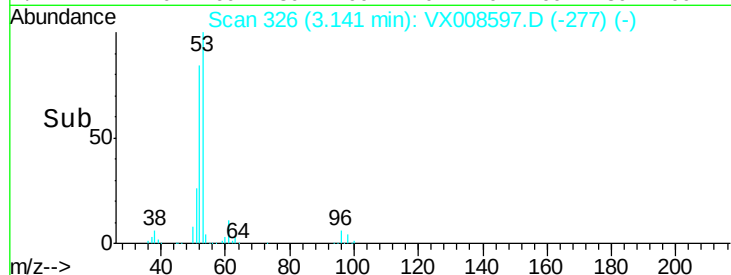
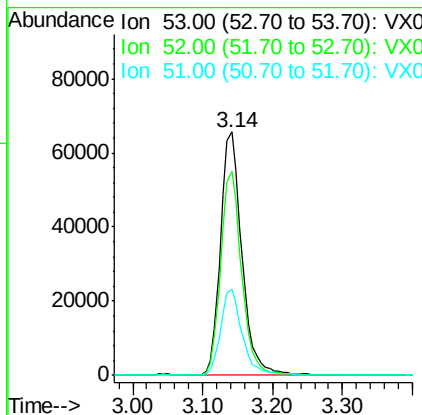
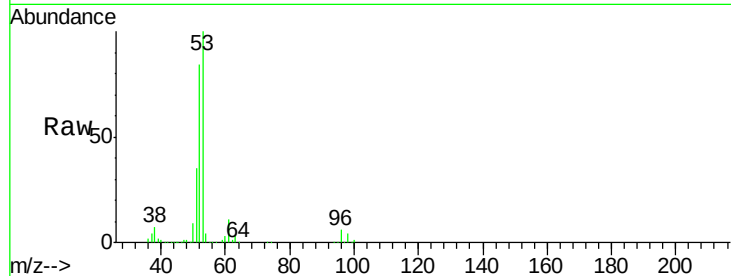
ClientSampleId :

VX0402WBS02

Tot Ion:	53	Resp:	139448
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.5	99.7
51	35.2	28.3	42.5

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#16

Acetone

Concen: 84.622 ug/l

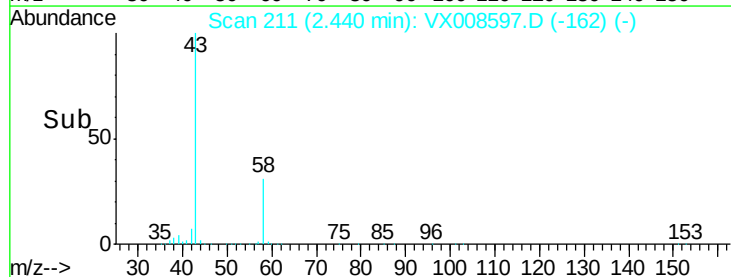
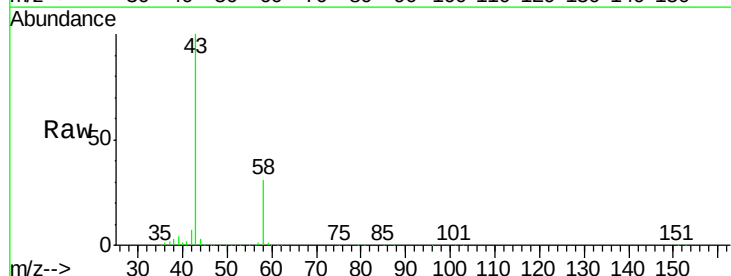
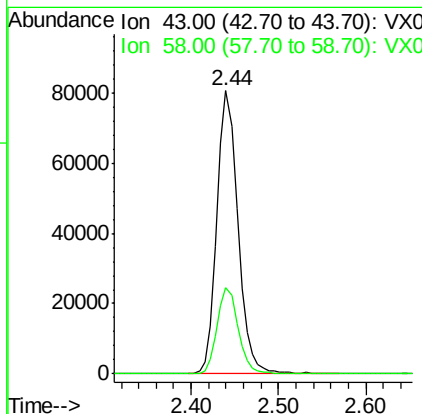
RT: 2.44 min Scan# 211

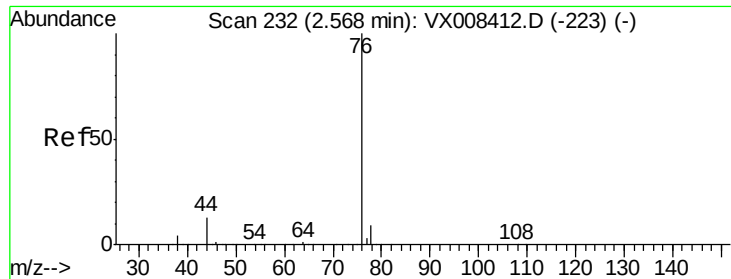
Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Tgt Ion:	43	Resp:	133620
Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.2	36.2





#17

Carbon Disulfide

Concen: 13.628 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion: 76 Resp: 92510

Ion Ratio Lower Upper

76 100

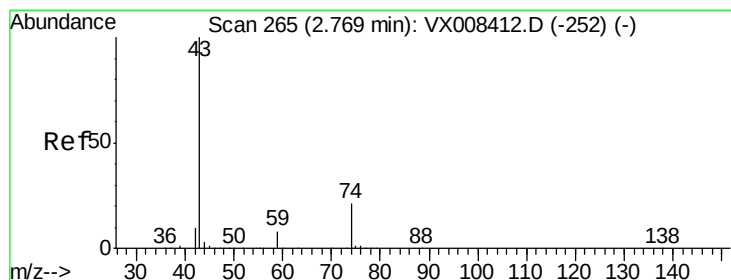
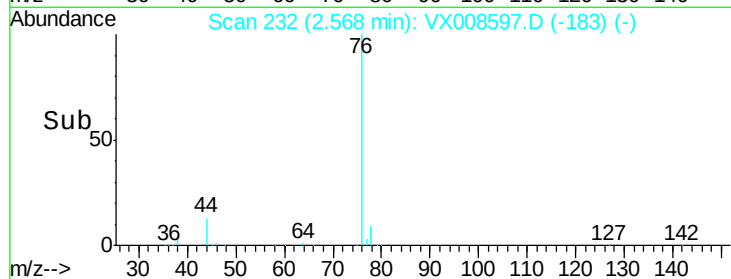
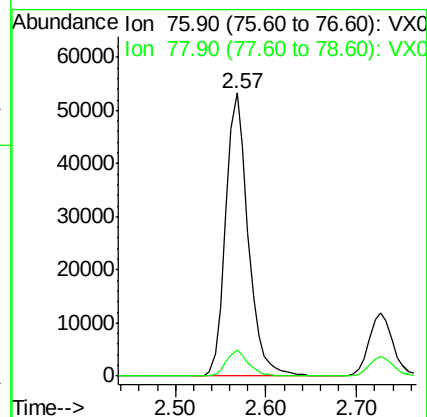
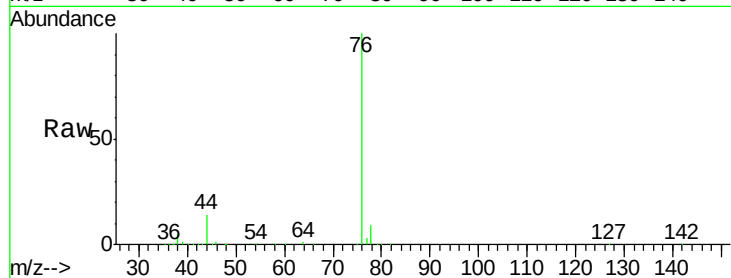
78 9.1 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 16.342 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX008597.D

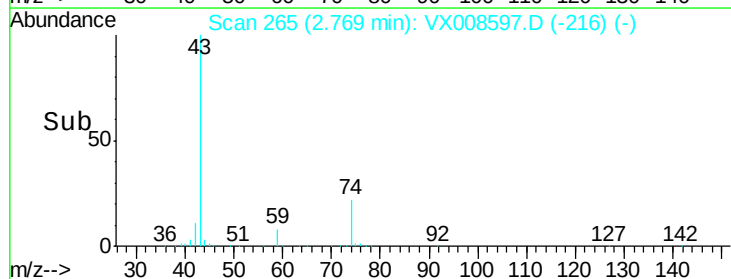
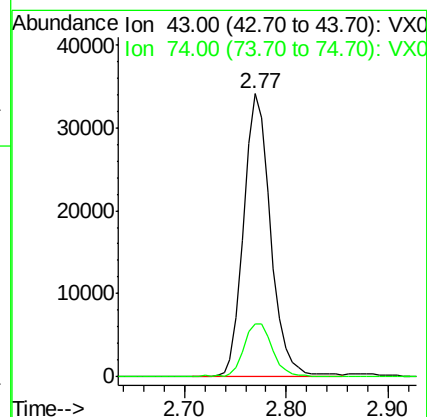
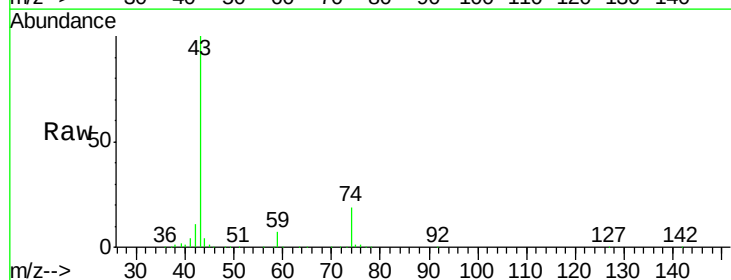
Acq: 02 Apr 2019 17:52

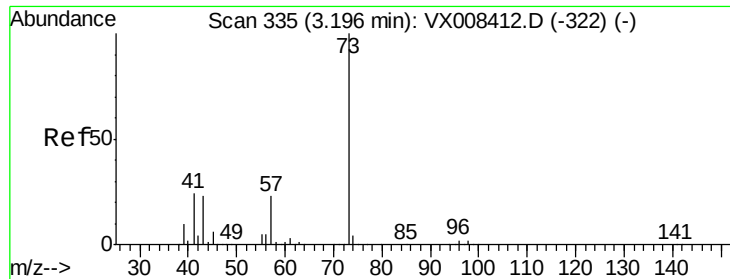
Tgt Ion: 43 Resp: 61975

Ion Ratio Lower Upper

43 100

74 20.6 16.7 25.1





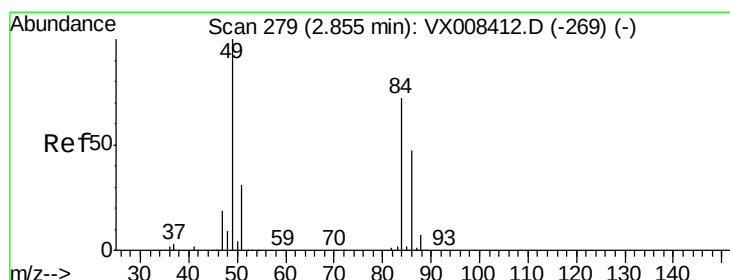
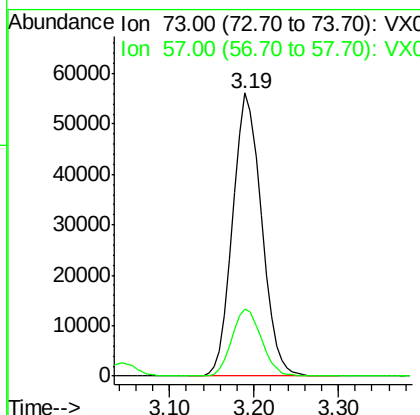
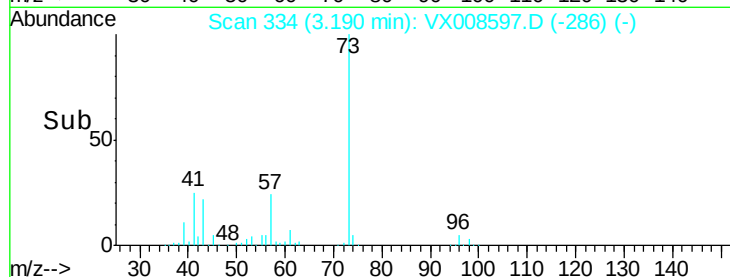
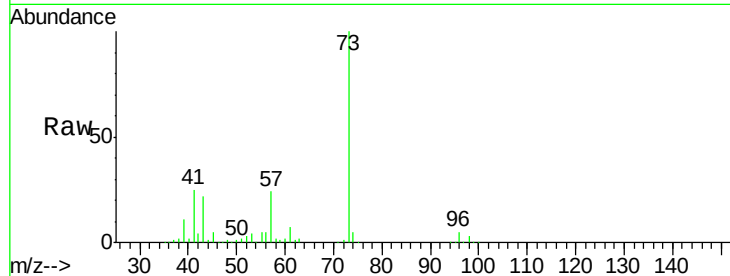
#19
Methyl tert-butyl Ether
Concen: 15.615 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	18.6	28.0

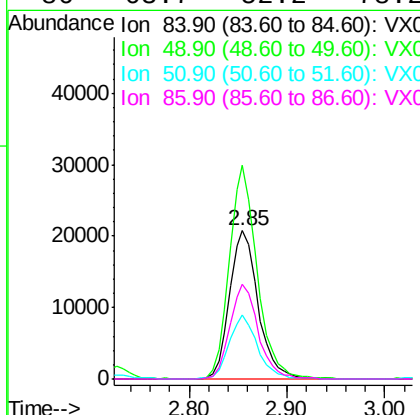
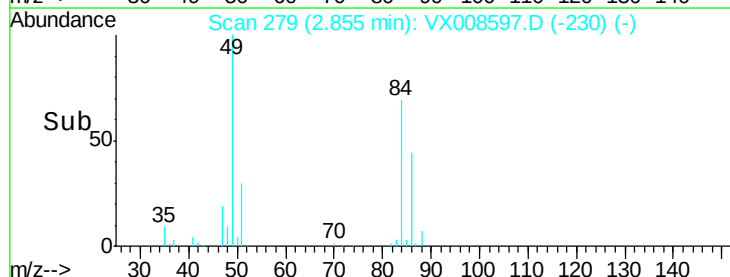
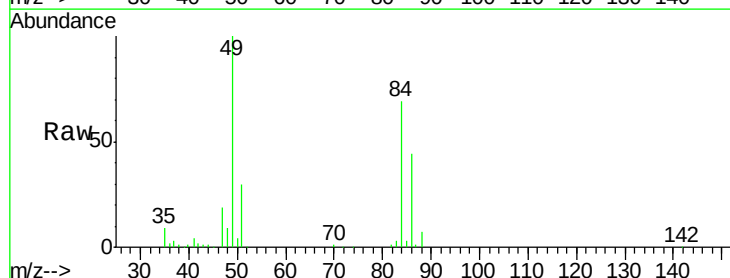
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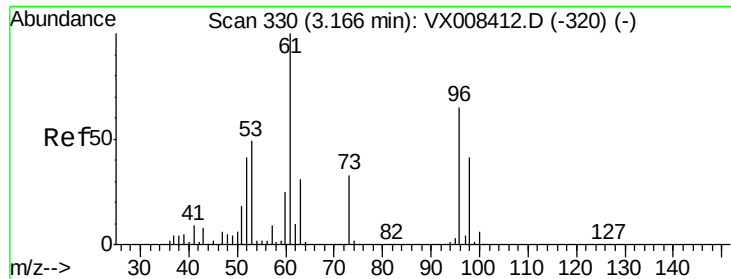
MMDadoda
4/3/2019 10:51:26 AM



#20
Methylene Chloride
Concen: 15.911 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.9	110.6	165.8
51	43.1	33.9	50.9
86	63.7	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 15.518 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion: 96 Resp: 36282

Ion Ratio Lower Upper

96 100

61 159.5 122.6 184.0

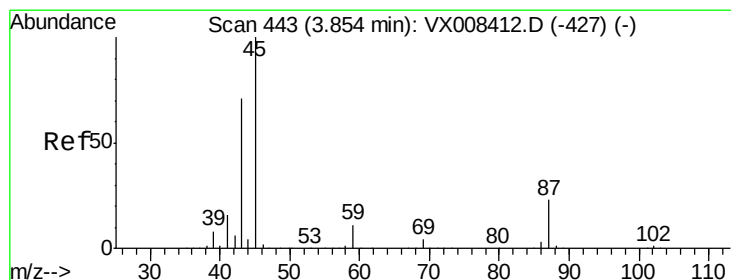
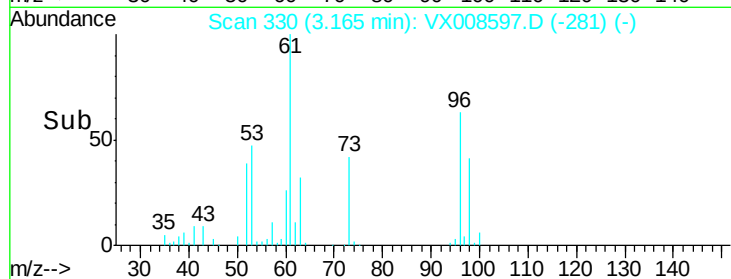
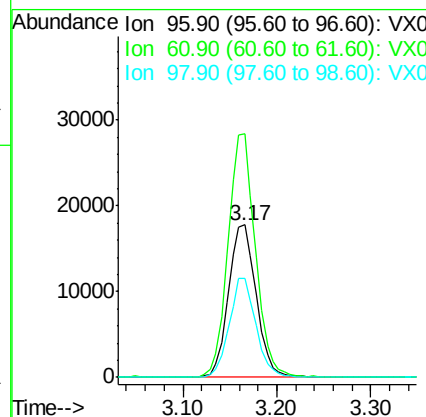
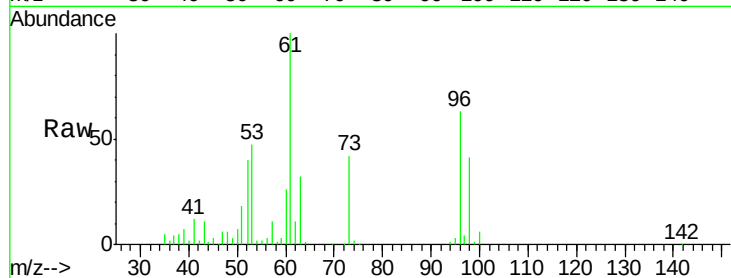
98 64.8 50.9 76.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 15.818 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Tgt Ion: 45 Resp: 159087

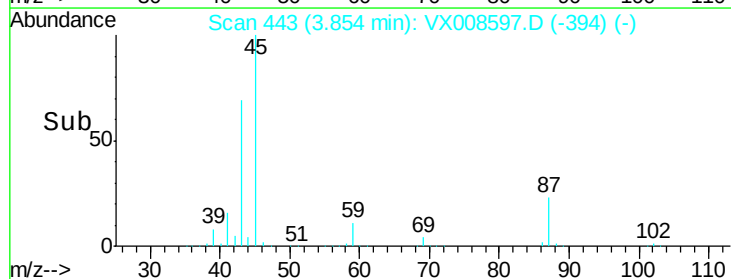
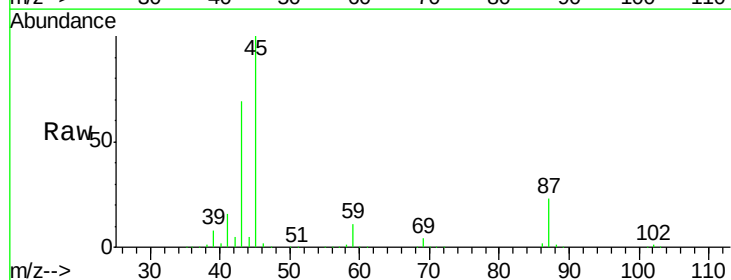
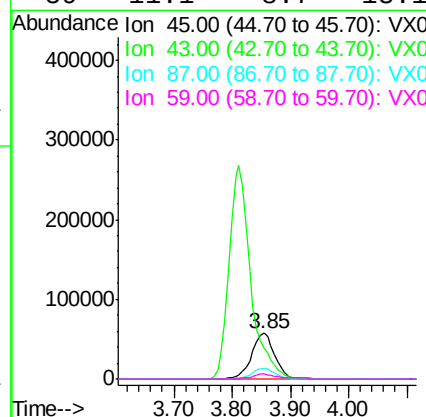
Ion Ratio Lower Upper

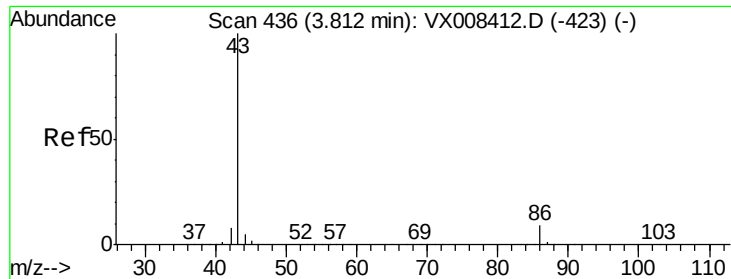
45 100

43 68.5 57.1 85.7

87 22.8 18.8 28.2

59 11.1 8.7 13.1





#23

Vinyl Acetate

Concen: 79.122 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion: 43 Resp: 694253

Ion Ratio Lower Upper

43 100

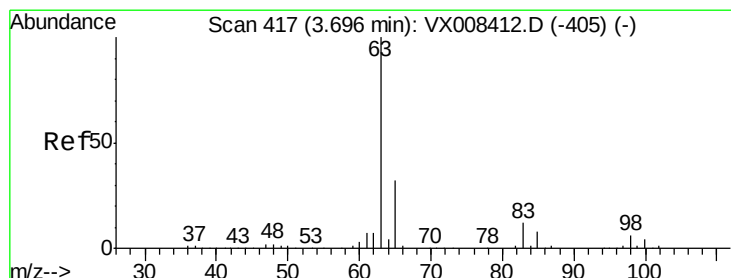
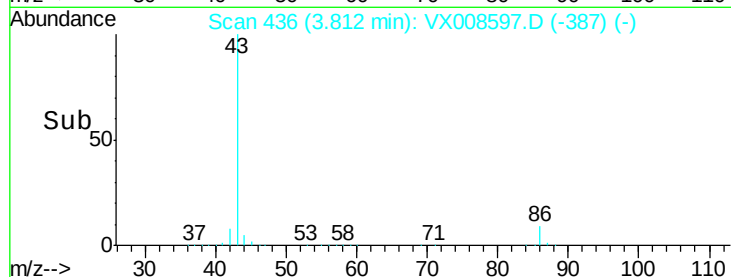
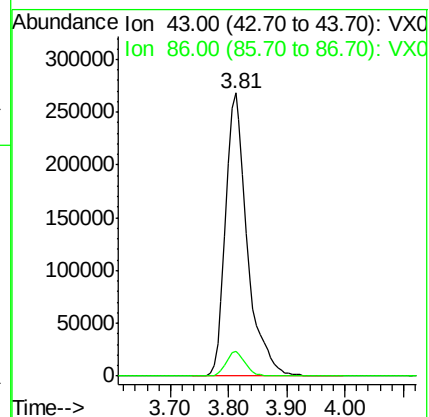
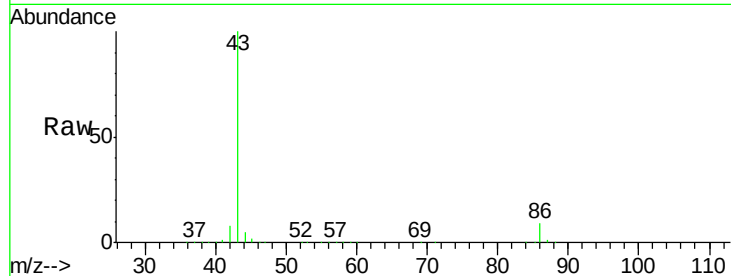
86 8.7 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 15.243 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

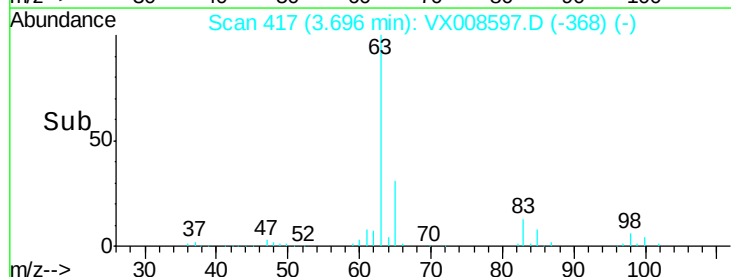
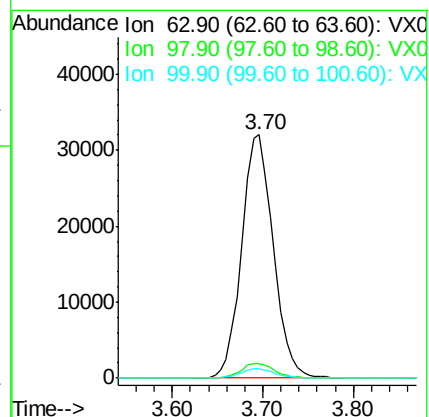
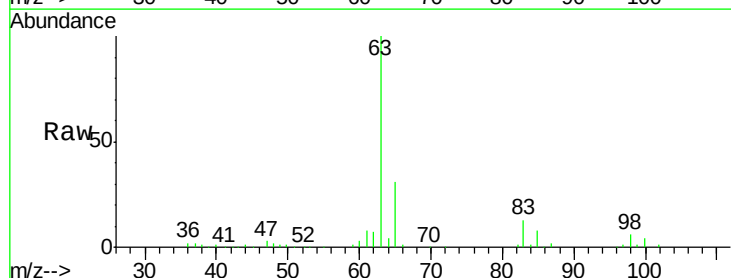
Tgt Ion: 63 Resp: 77394

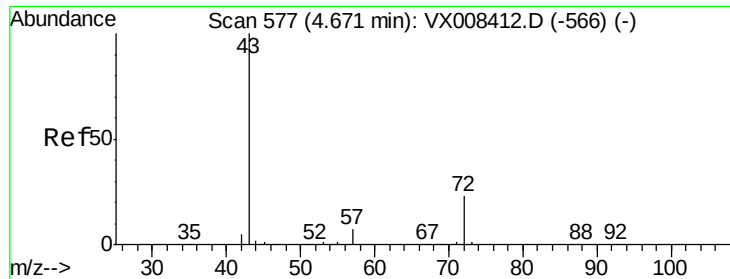
Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

100 3.8 2.0 5.8





#25

2-Butanone

Concen: 81.422 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampled :

VX0402WBS02

Tot Ion: 43 Resp: 206118

Ion Ratio Lower Upper

43 100

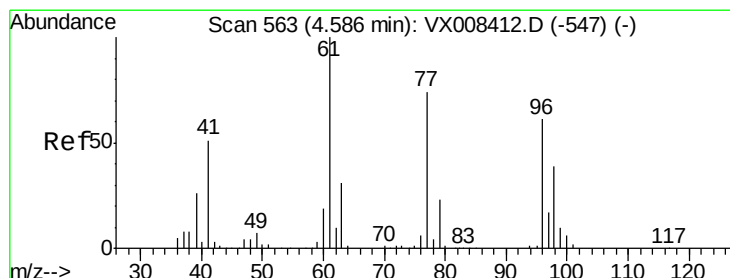
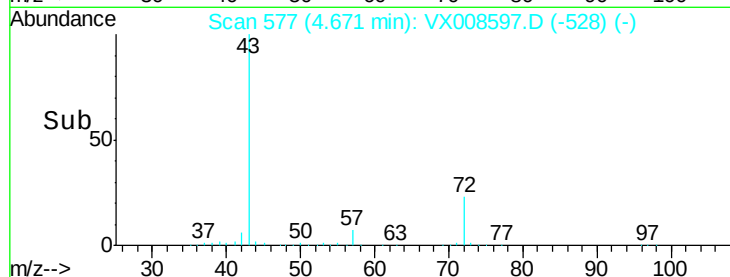
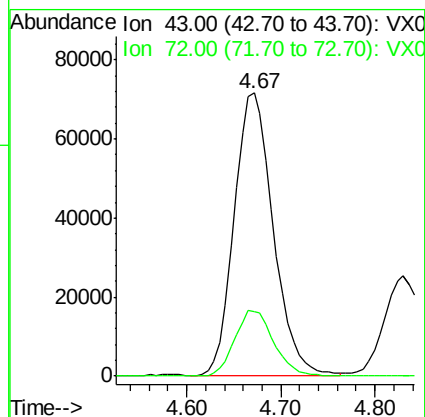
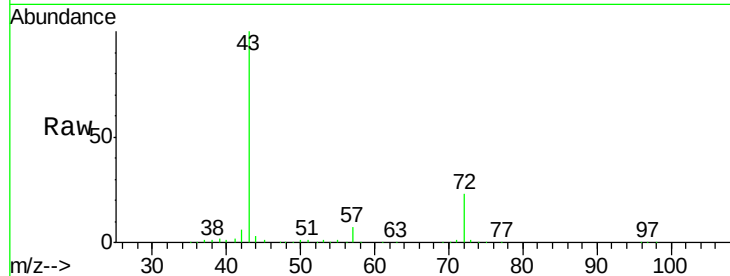
72 22.7 18.6 28.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.181 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008597.D

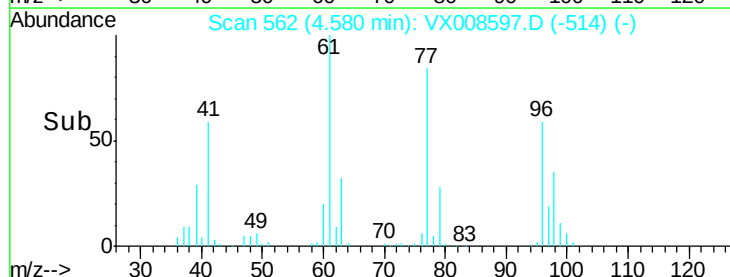
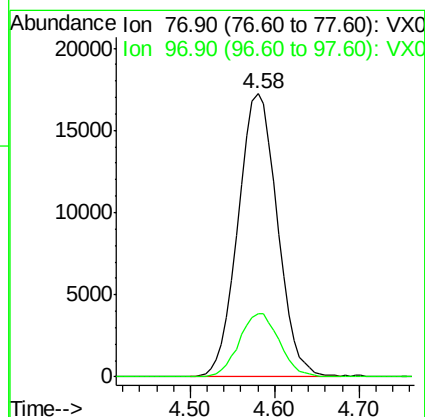
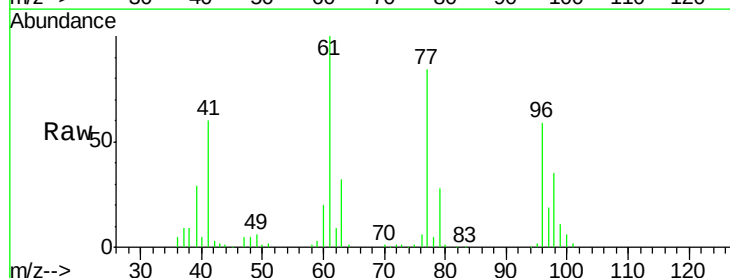
Acq: 02 Apr 2019 17:52

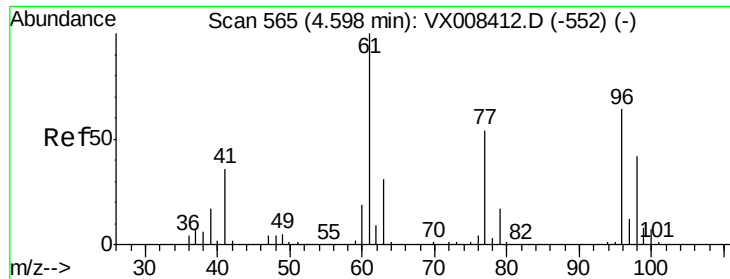
Tgt Ion: 77 Resp: 54645

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.6





#27

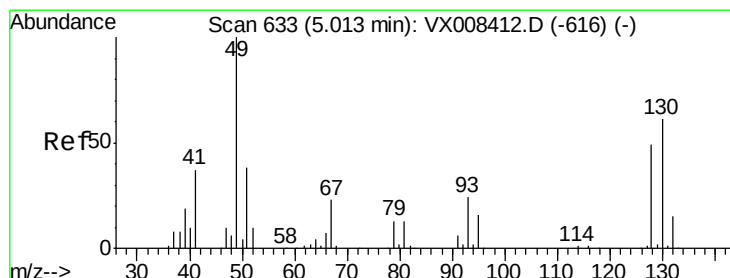
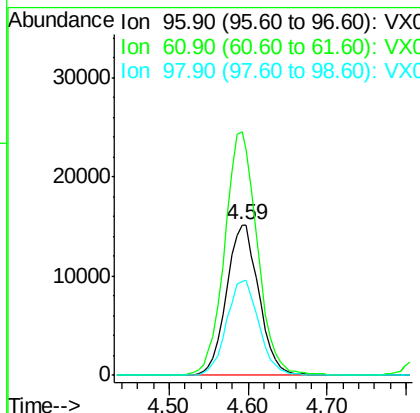
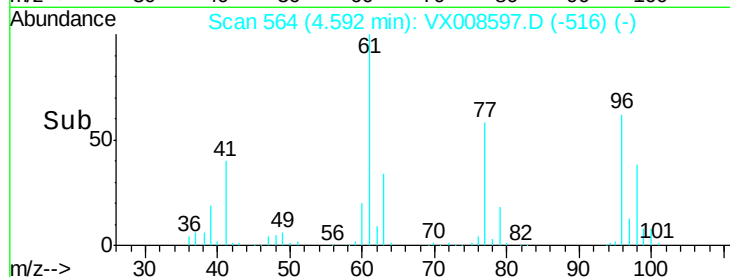
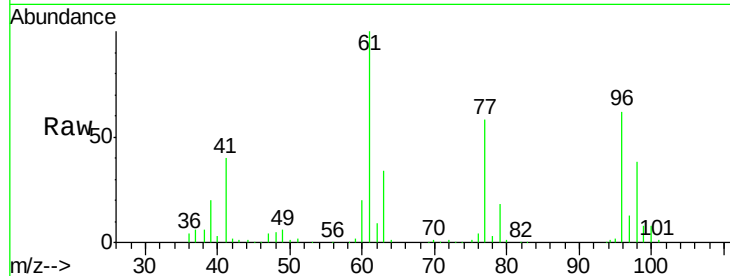
cis-1,2-Dichloroethene
Concen: 15.265 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	43276		
61	163.5	0.0	325.6	
98	63.2	0.0	130.0	

Manual Integrations
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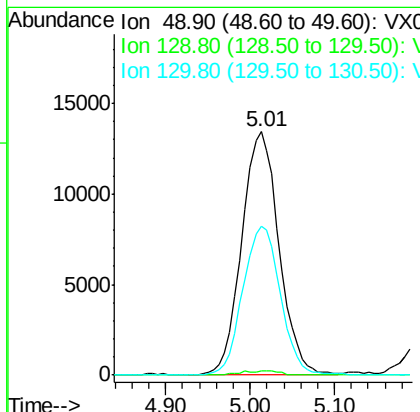
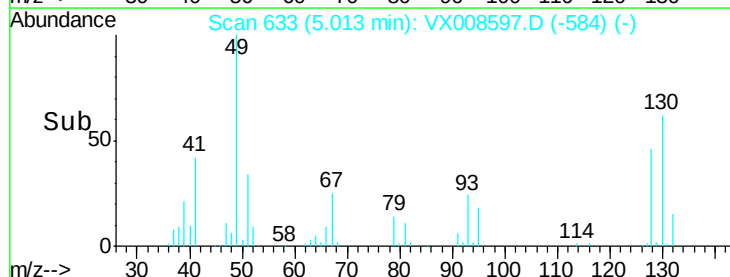
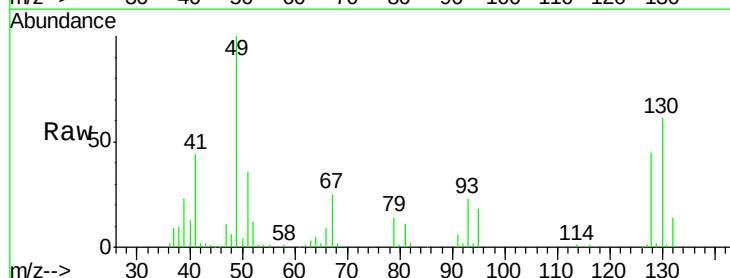
MMDadoda
4/3/2019 10:51:26 AM

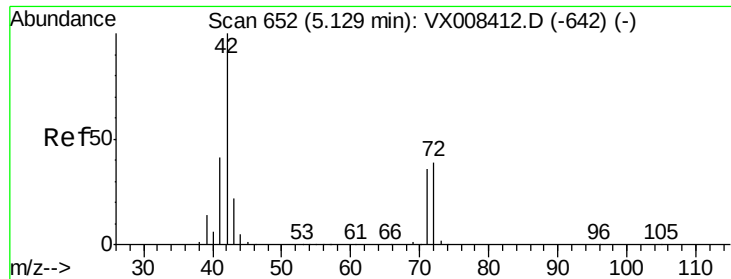


#28

Bromochloromethane
Concen: 16.121 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	40439		
129	1.7	0.0	3.4	
130	61.3	49.8	74.6	





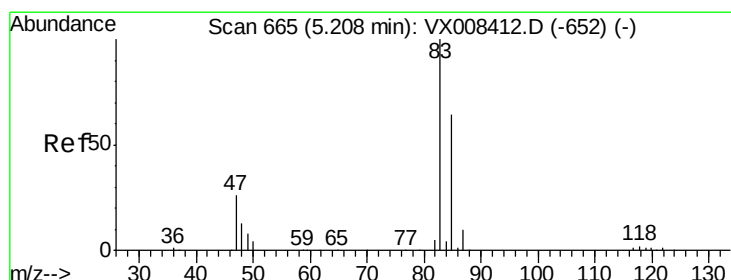
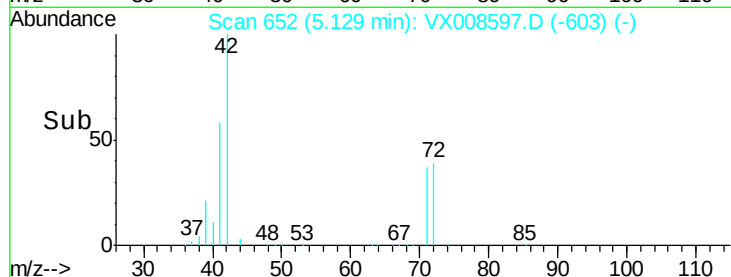
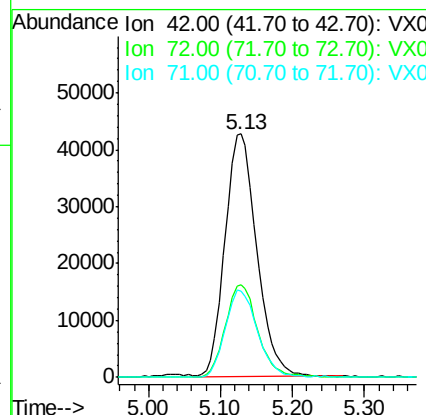
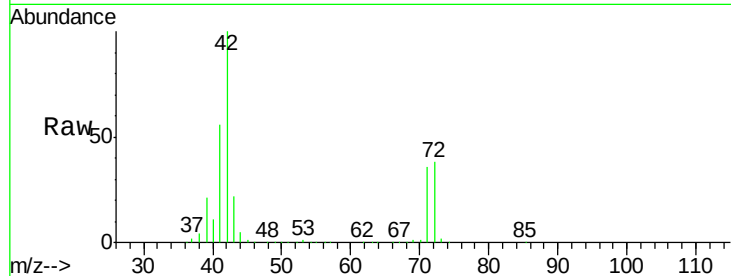
#29
Tetrahydrofuran
Concen: 78.586 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampled :
VX0402WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	31.4	47.2
71	36.2	29.4	44.2

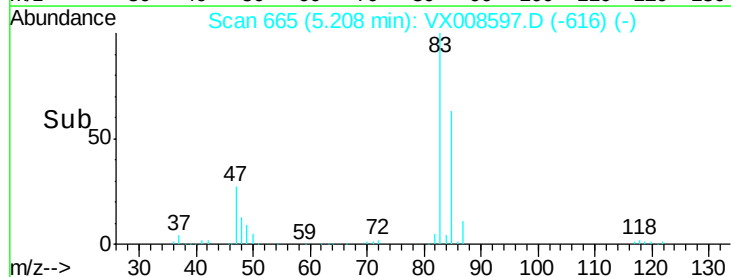
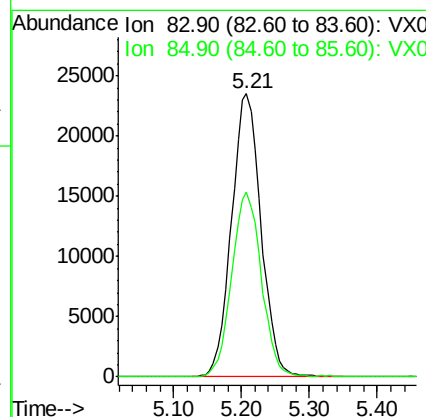
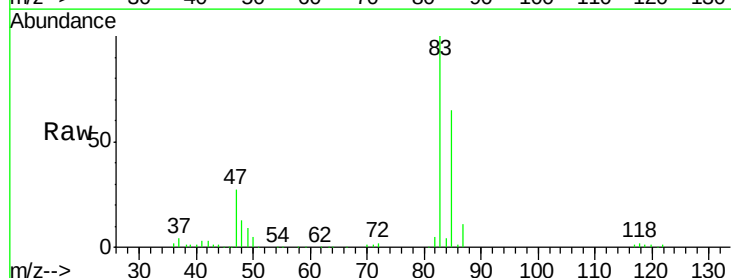
Manual Integrations
APPROVED

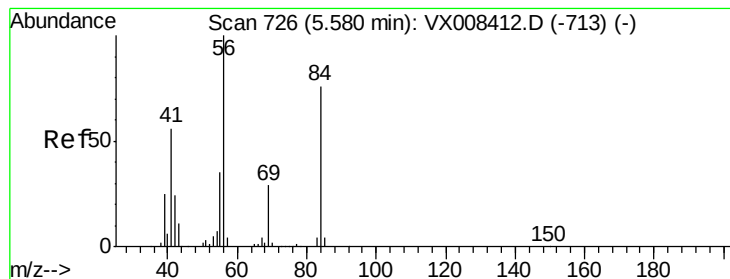
MMDadoda
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#30
Chloroform
Concen: 15.445 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.4	77.2





#31

Cyclohexane

Concen: 15.117 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

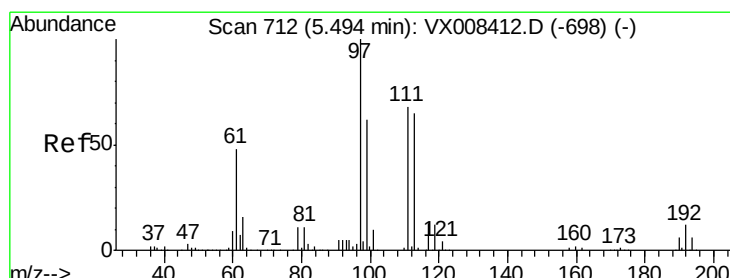
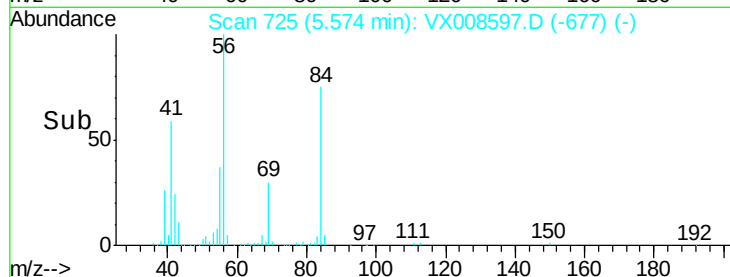
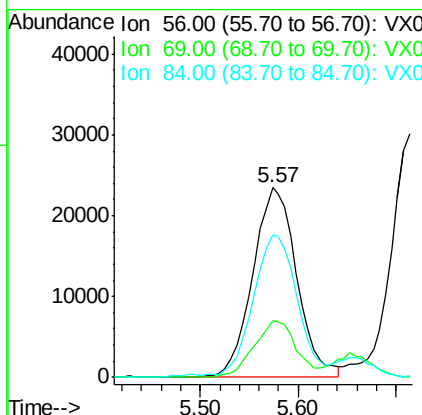
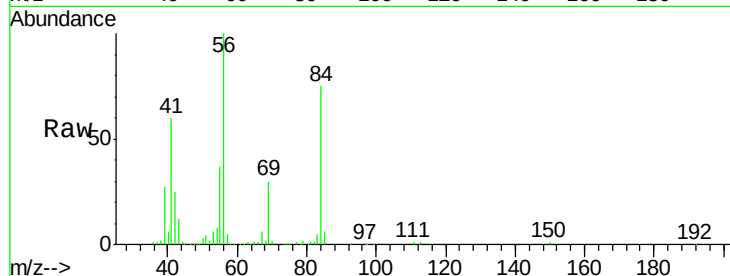
ClientSampleId :

VX0402WBS02

Tot Ion:	56	Resp:	73205
Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.2	34.8
84	73.8	60.7	91.1

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:51:26 AM



#32

1,1,1-Trichloroethane

Concen: 15.638 ug/l

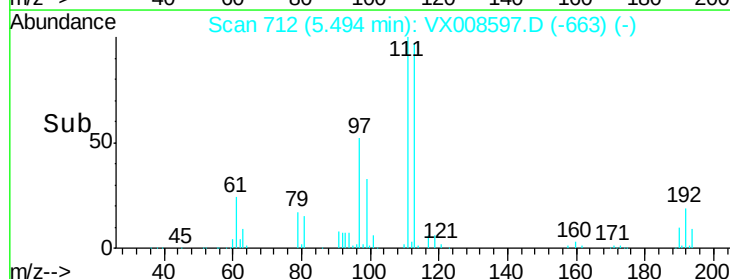
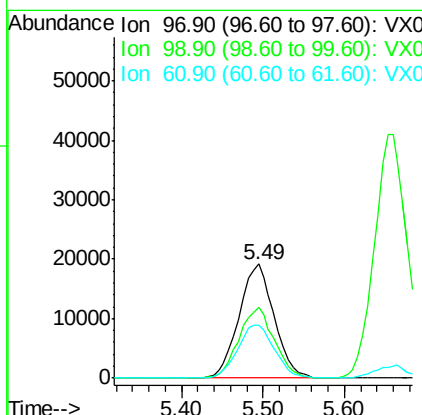
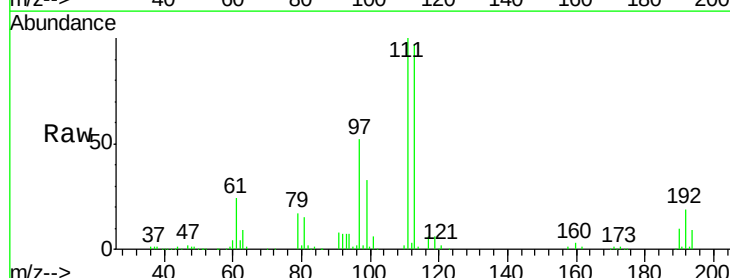
RT: 5.49 min Scan# 712

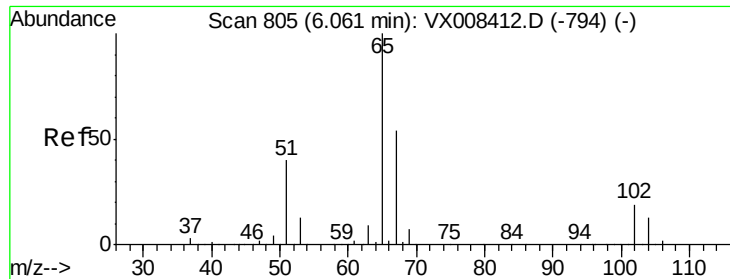
Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Tgt Ion:	97	Resp:	57276
Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.5	77.3
61	49.2	38.8	58.2





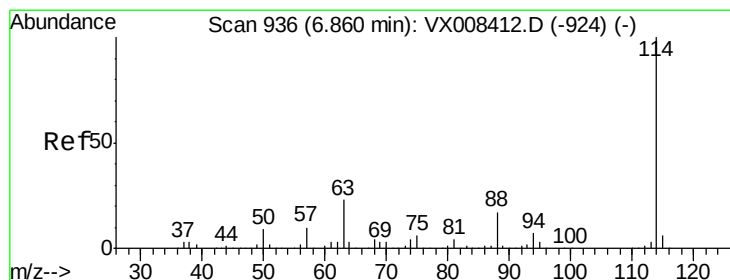
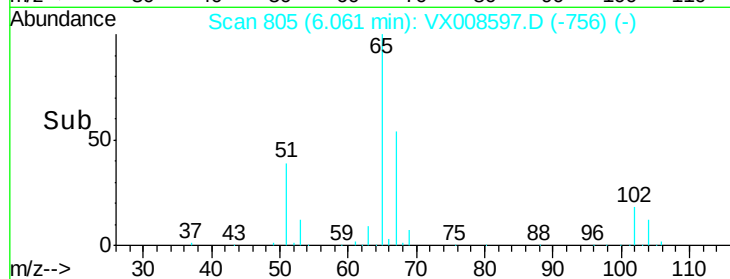
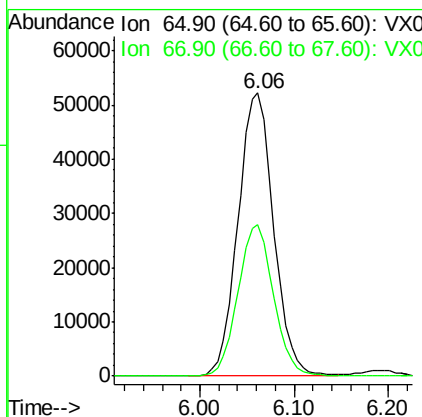
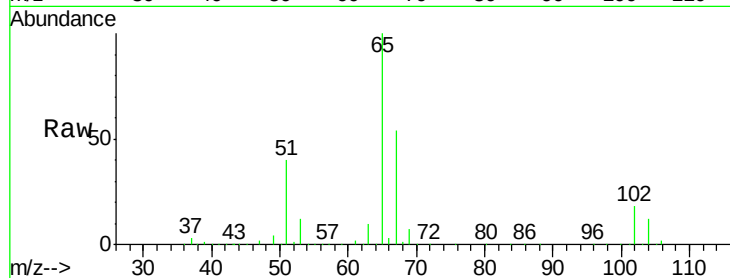
#33
 1,2-Dichloroethane-d4
 Concen: 45.690 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.5	0.0	109.4	

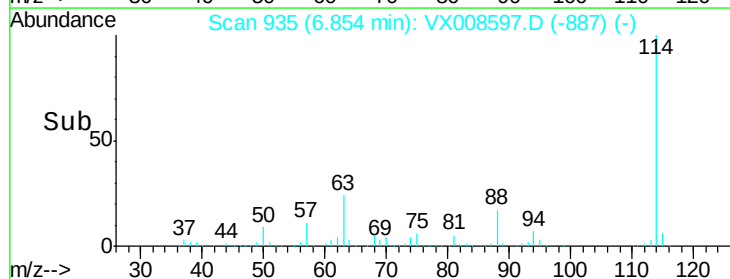
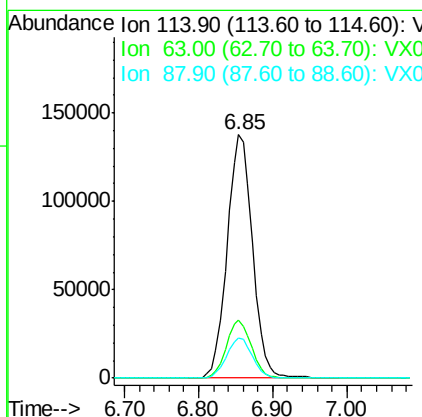
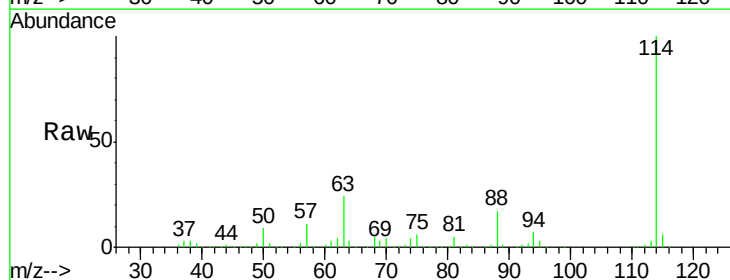
Manual Integrations
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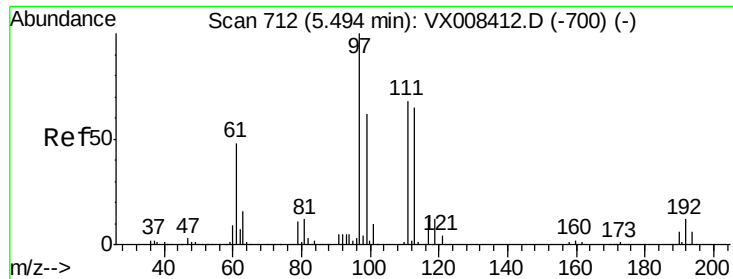
MMDadoda
 4/3/2019 10:51:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.7	0.0	46.4	
88	16.6	0.0	33.2	





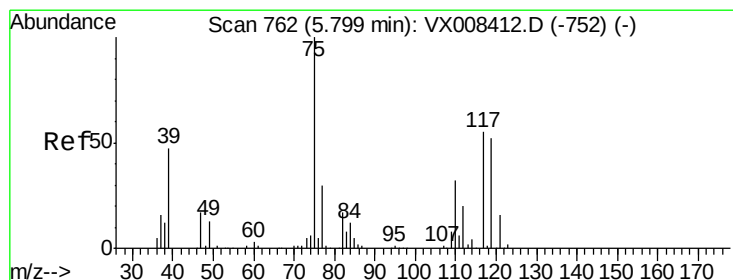
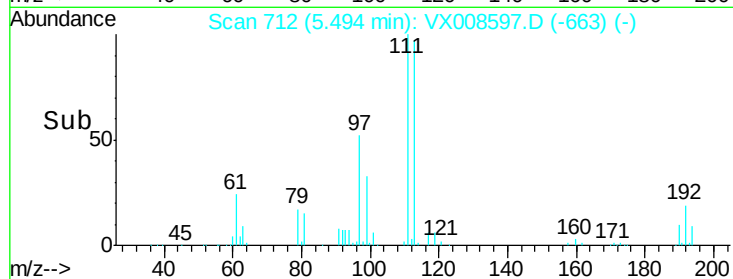
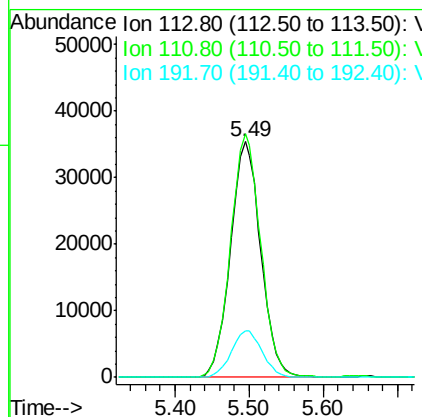
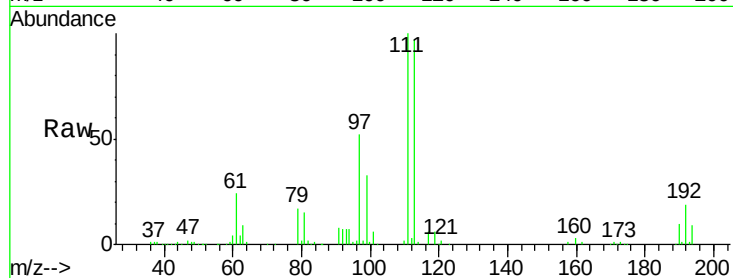
#35
 Dibromofluoromethane
 Concen: 47.223 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Instrument :
 MSVOA_X
 ClientSampled :
 VX0402WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100976		
111	102.8	83.0	124.4	
192	20.3	15.6	23.4	

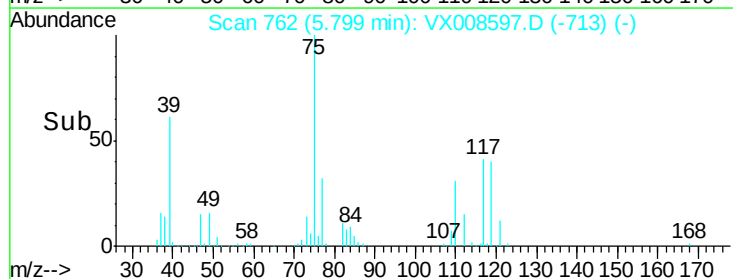
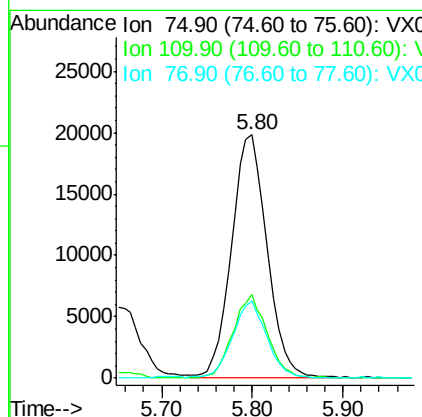
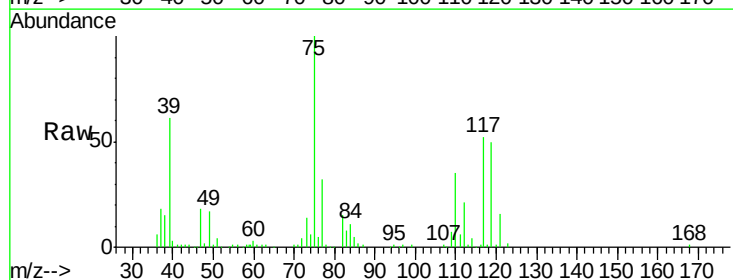
Manual Integrations
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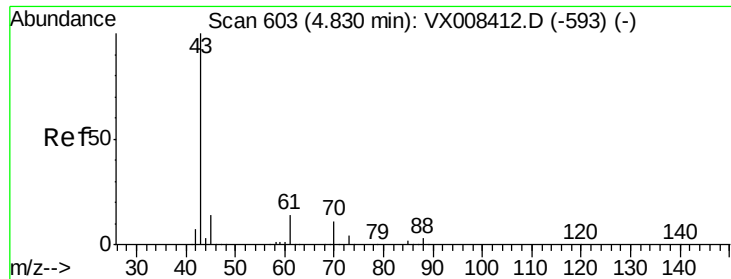
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 15.282 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	53433		
110	33.2	16.6	49.7	
77	31.0	24.2	36.2	





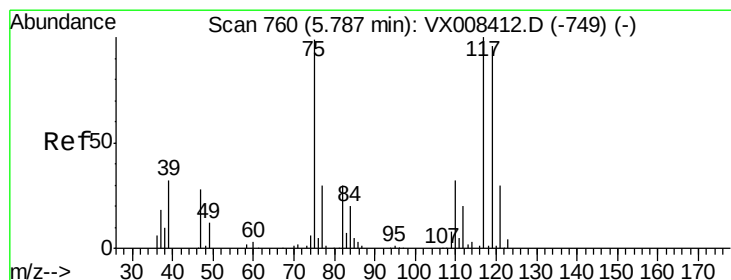
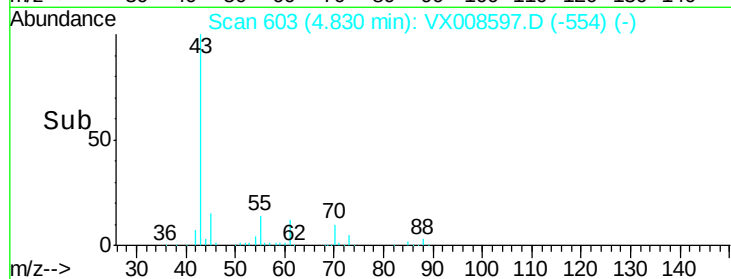
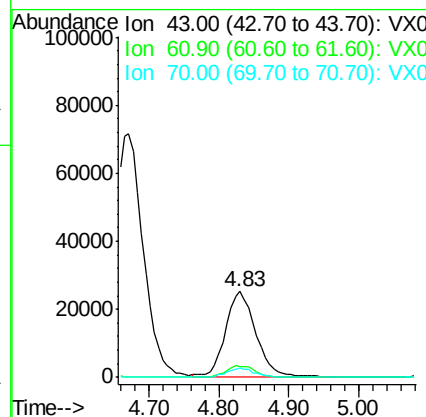
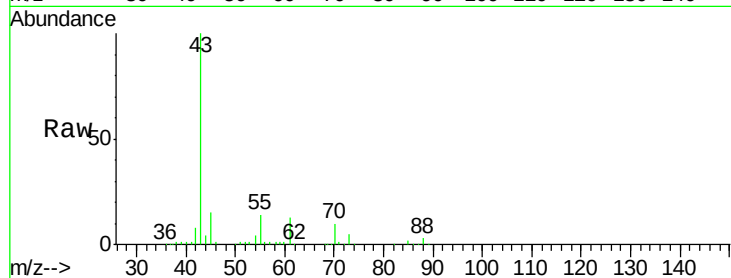
#37
Ethyl Acetate
Concen: 16.684 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion	43	Resp	75571
Ion Ratio	100	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	10.2	7.8	11.8

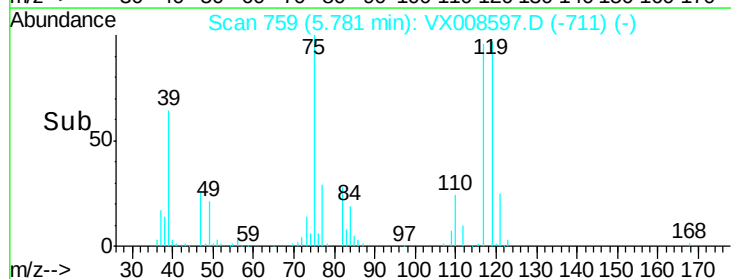
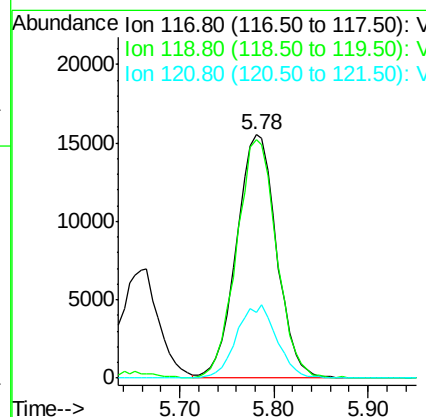
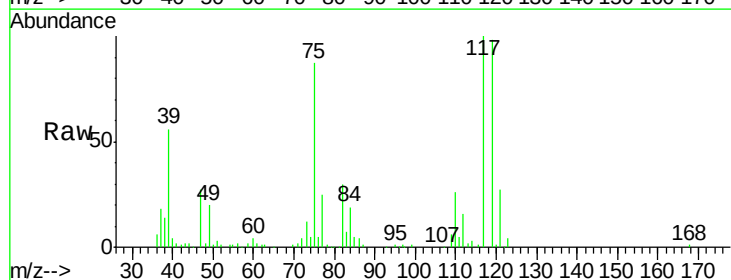
Manual Integrations
APPROVED

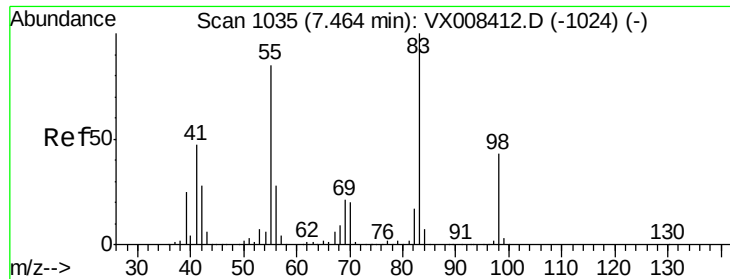
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4/3/2019 10:51:26 AM



#38
Carbon Tetrachloride
Concen: 15.775 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion	117	Resp	46032
Ion Ratio	100	Lower	Upper
117	100		
119	97.7	76.7	115.1
121	27.0	24.3	36.5





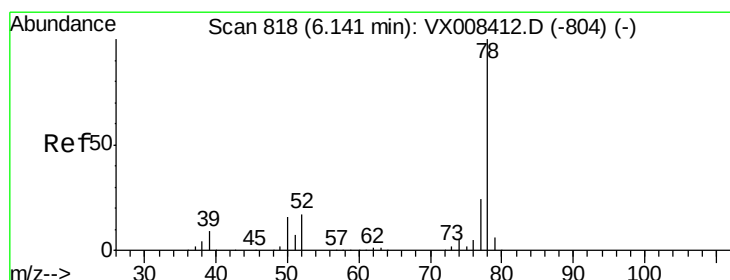
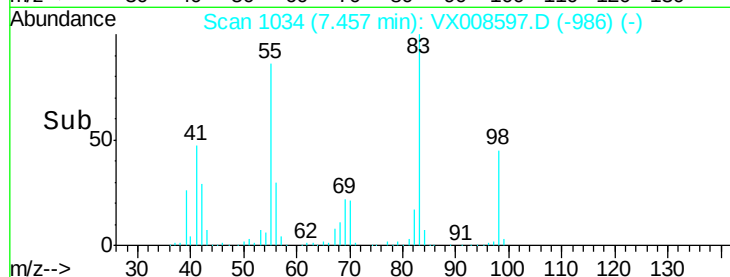
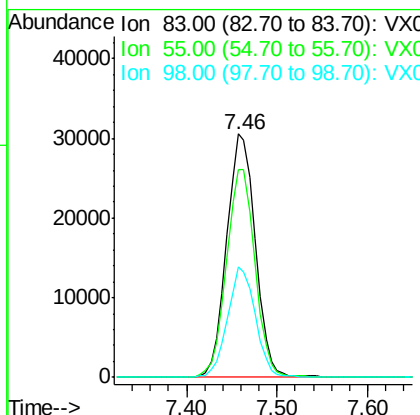
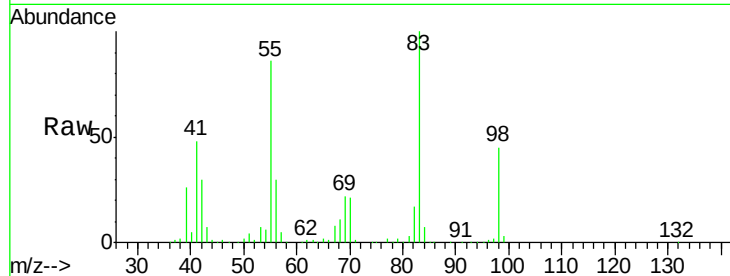
#39
Methylvlcyclohexane
Concen: 16.077 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	68.2	102.4
98	45.2	34.2	51.4

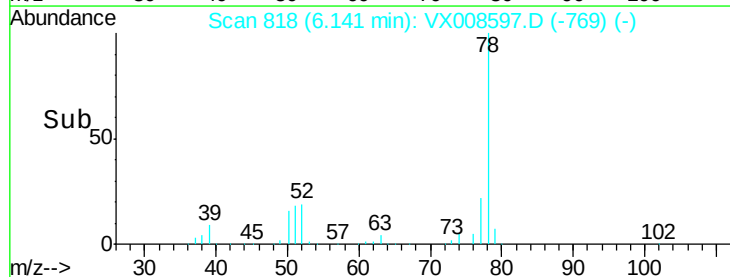
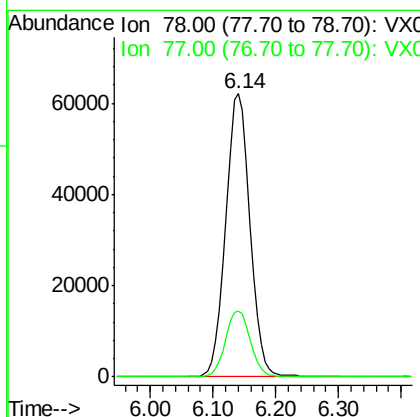
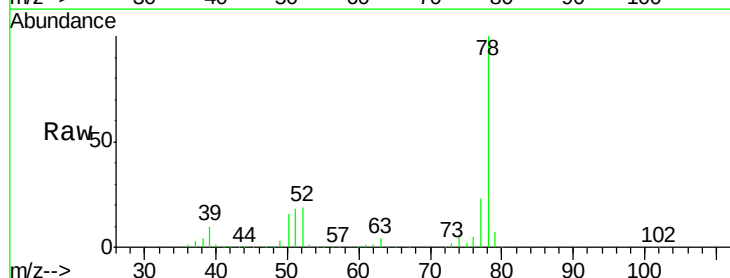
Manual Integrations
APPROVED

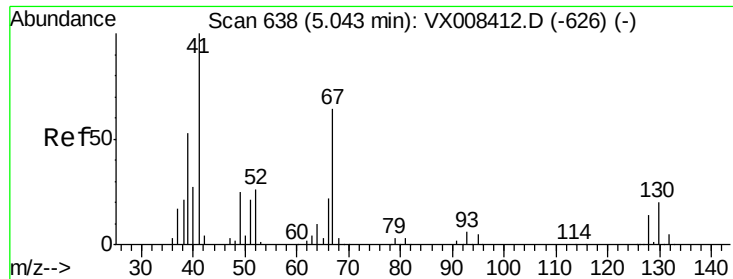
MMDadoda
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#40
Benzene
Concen: 15.879 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.3	28.9





#41

Methacrylonitrile

Concen: 16.636 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion: 41 Resp: 42348

Ion Ratio Lower Upper

41 100

39 52.2 42.6 64.0

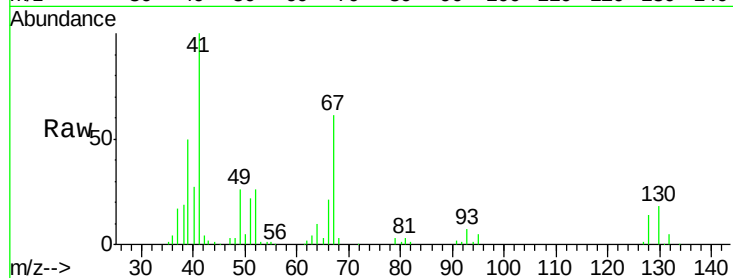
67 64.2 52.2 78.4

52 28.9 21.4 32.0

Manual Integrations
APPROVED

MMDadoda

4/3/2019 10:51:26 AM

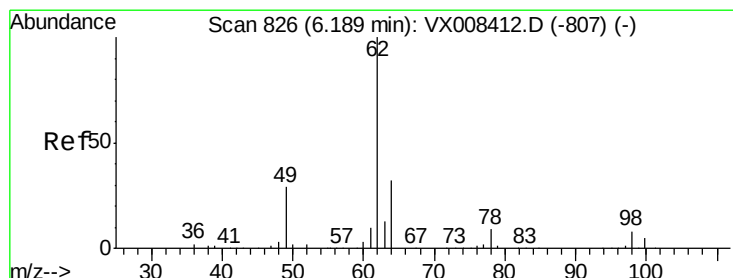
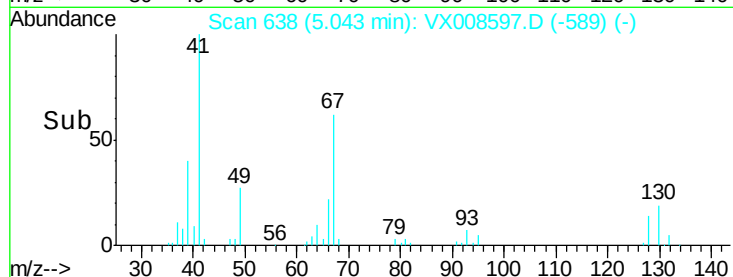
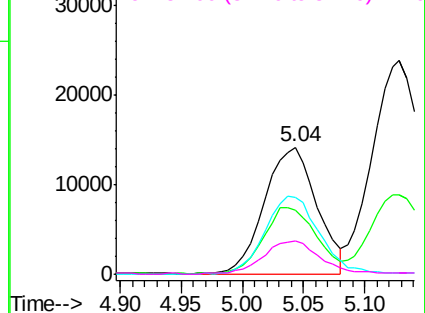


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 15.670 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX008597.D

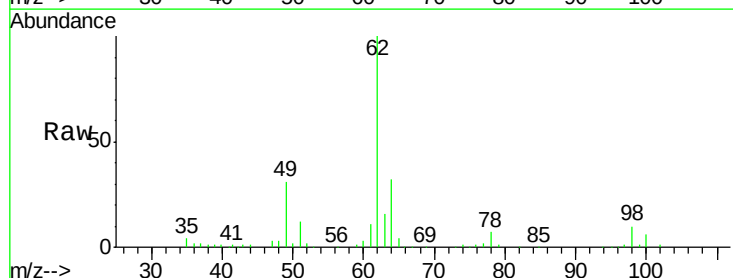
Acq: 02 Apr 2019 17:52

Tgt Ion: 62 Resp: 60055

Ion Ratio Lower Upper

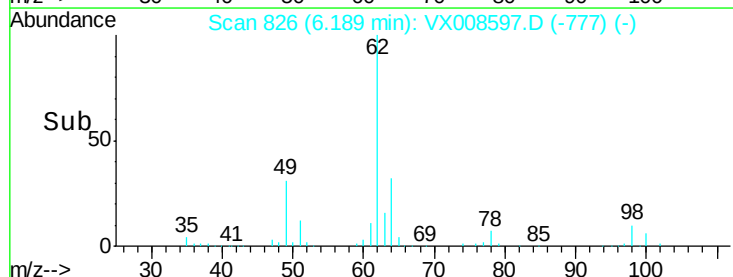
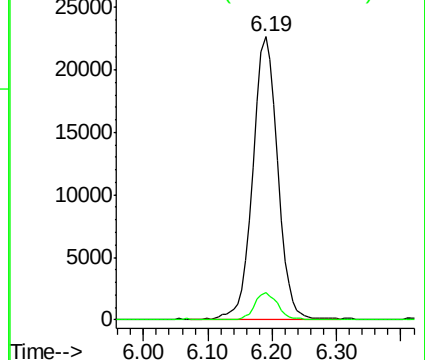
62 100

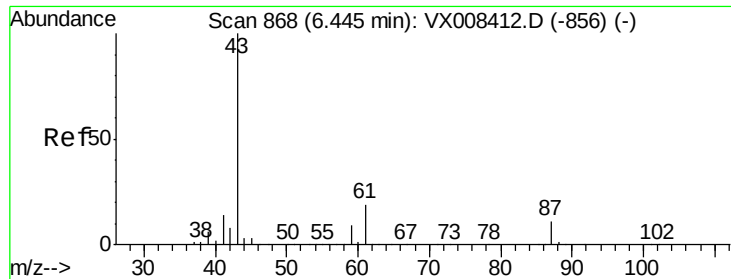
98 9.1 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

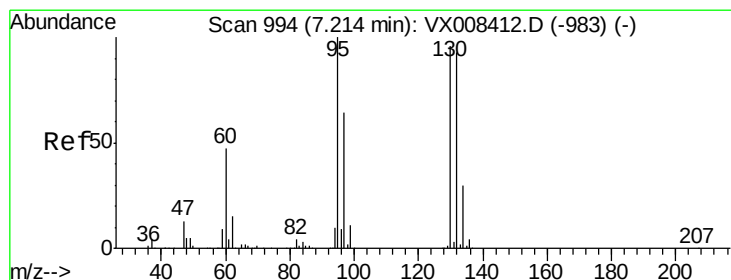
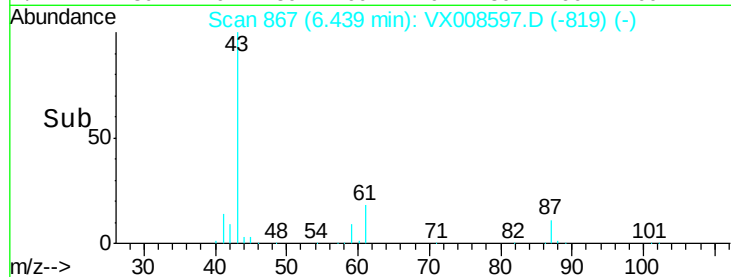
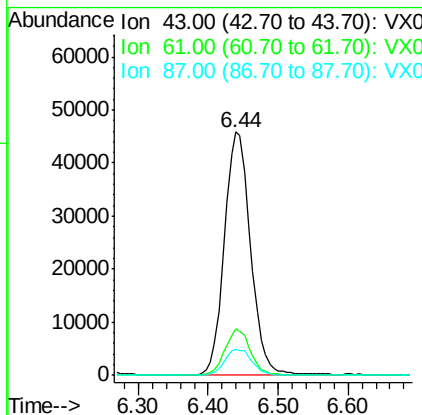
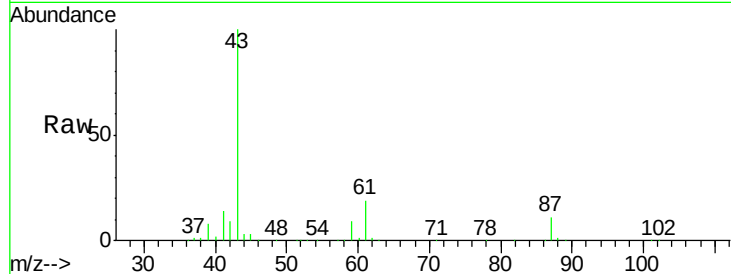
Isopropyl Acetate
 Concen: 16.385 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.4	23.2
87	11.2	9.1	13.7

Manual Integrations
 APPROVED

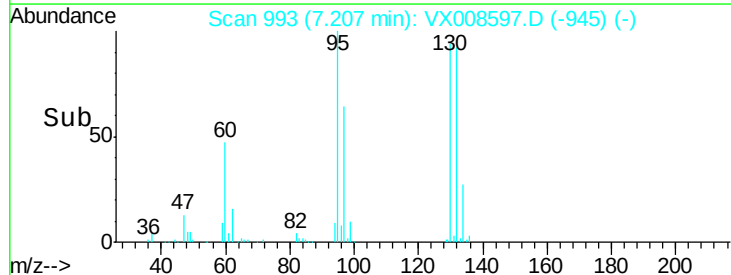
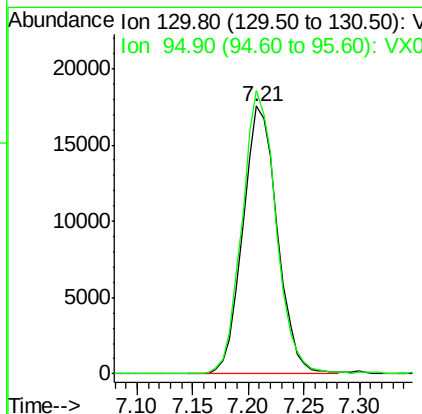
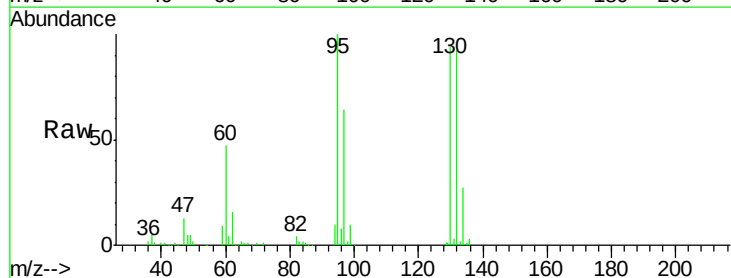
MMDadoda
 4/3/2019 10:51:26 AM

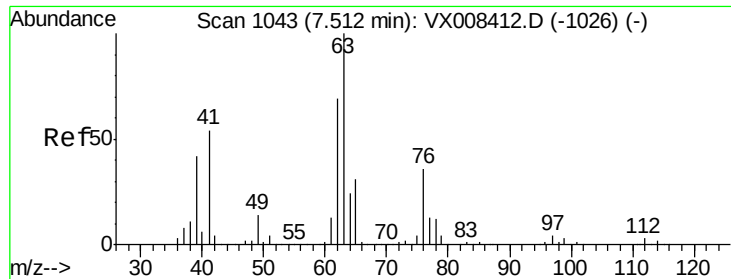


#44

Trichloroethene
 Concen: 15.394 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	208.8





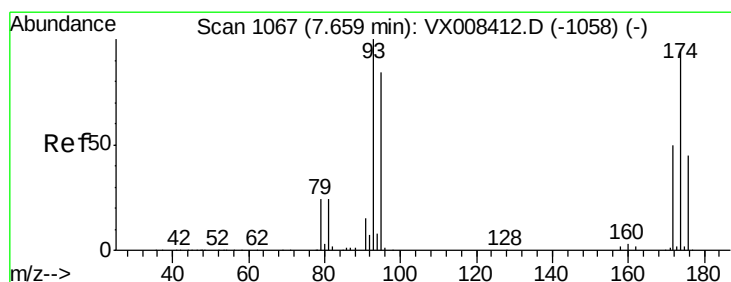
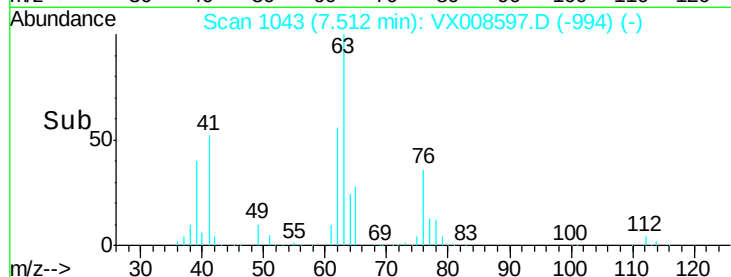
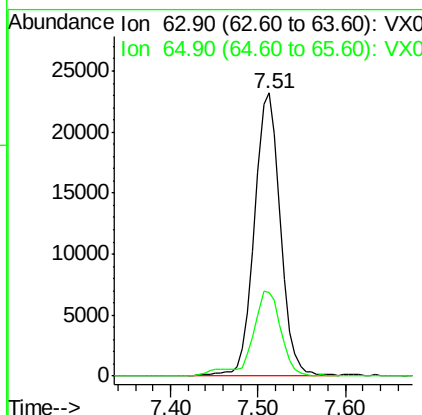
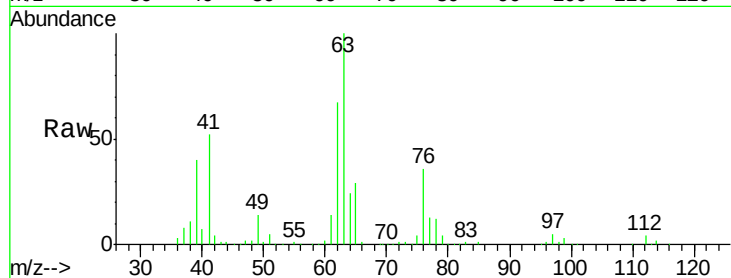
#45
 1,2-Dichloropropane
 Concen: 16.148 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Instrument :
 MSVOA_X
 ClientSampled :
 VX0402WBS02

Tot Ion: 63 Resp: 48044
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.1 37.7

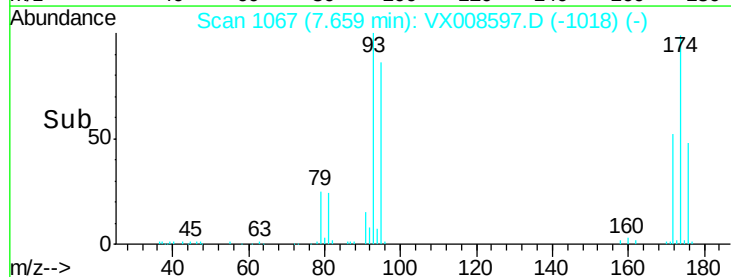
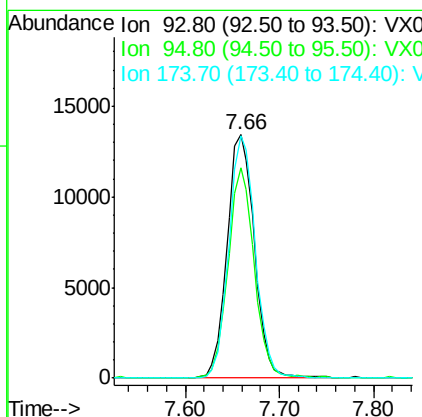
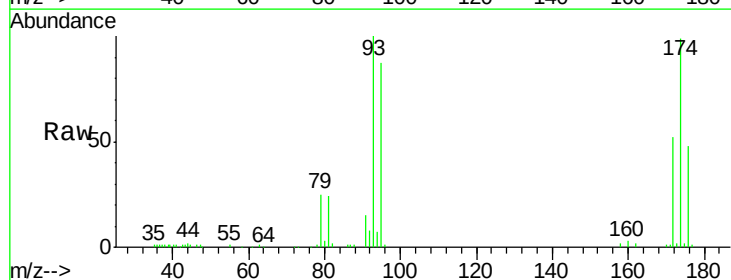
Manual Integrations
 APPROVED

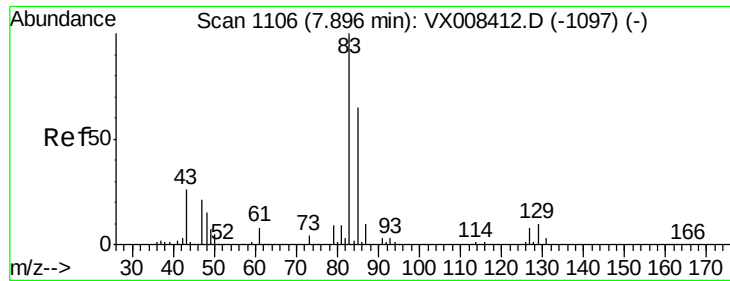
MMDadoda
 4/3/2019 10:51:26 AM



#46
 Dibromomethane
 Concen: 15.543 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion: 93 Resp: 27005
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.0 100.6
 174 96.4 76.0 114.0





#47

Bromodichloromethane

Concen: 16.154 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

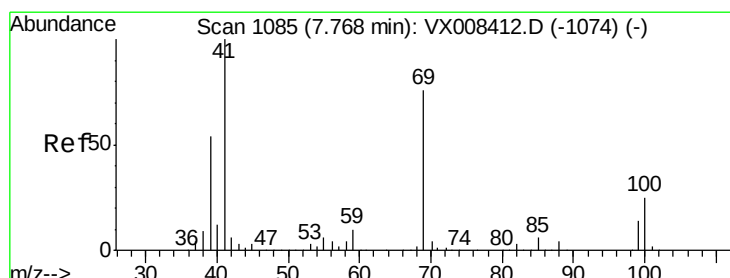
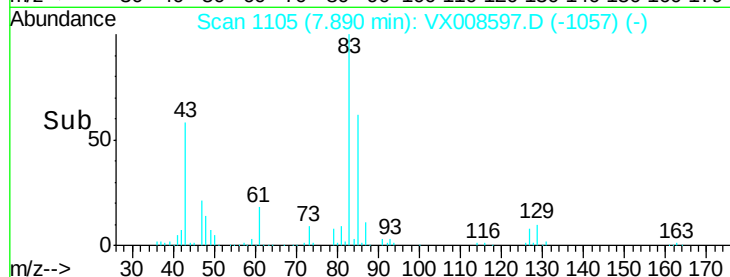
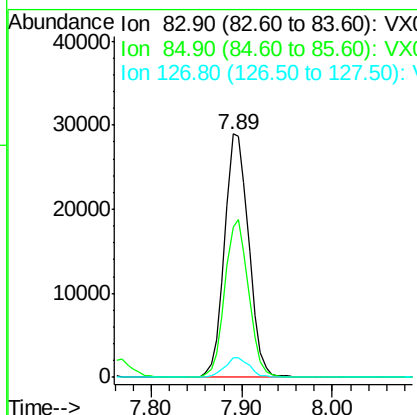
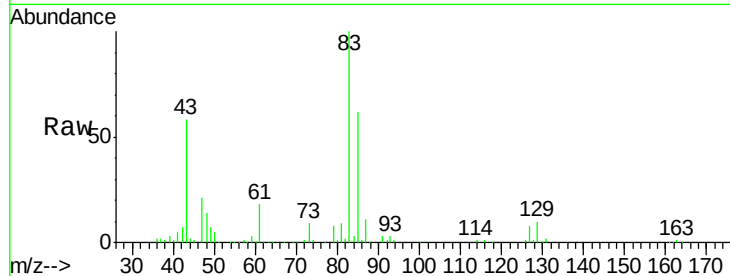
ClientSampleId :

VX0402WBS02

Tot Ion:	83	Resp:	53723
Ion Ratio	Lower	Upper	
83	100		
85	61.6	52.0	78.0
127	8.1	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:51:26 AM



#48

Methyl methacrylate

Concen: 16.530 ug/l

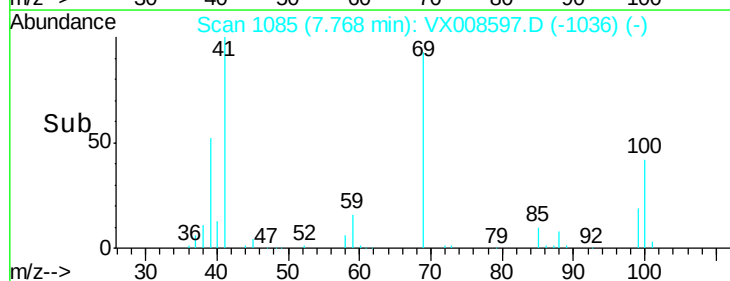
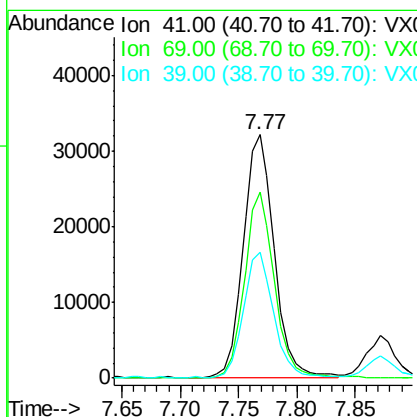
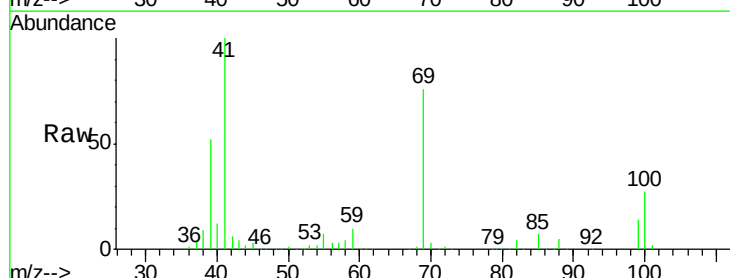
RT: 7.77 min Scan# 1085

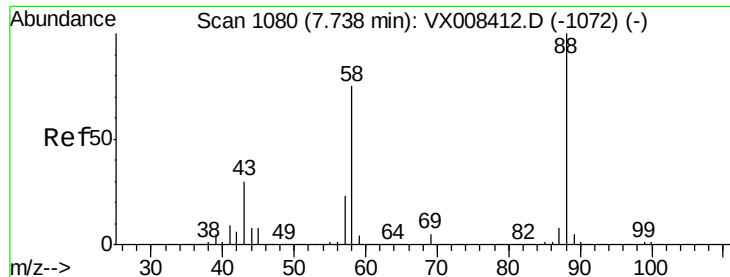
Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Tgt Ion:	41	Resp:	59925
Ion Ratio	Lower	Upper	
41	100		
69	73.1	60.8	91.2
39	49.6	42.3	63.5





#49

1,4-Dioxane

Concen: 342.000 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

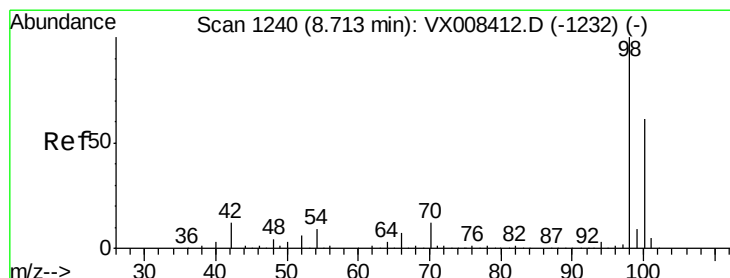
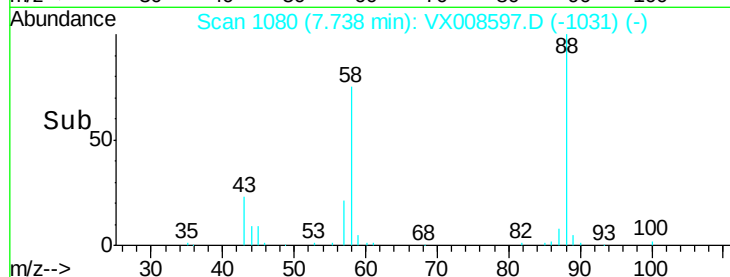
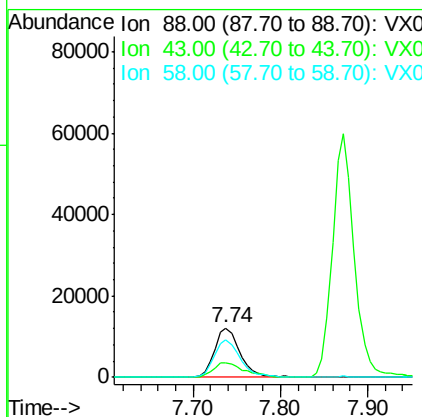
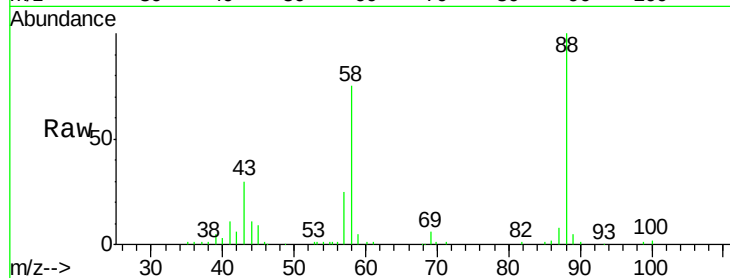
ClientSampled :

VX0402WBS02

Tot Ion:	88	Resp:	24652
Ion	Ratio	Lower	Upper
88	100		
43	35.1	28.6	43.0
58	78.0	63.0	94.4

Manual Integrations
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#50

Toluene-d8

Concen: 47.682 ug/l

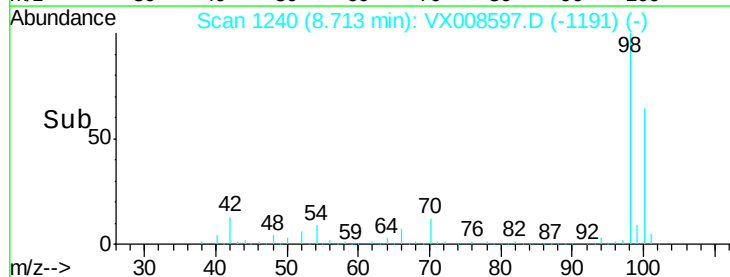
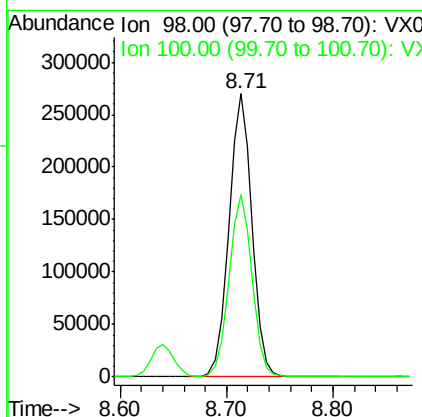
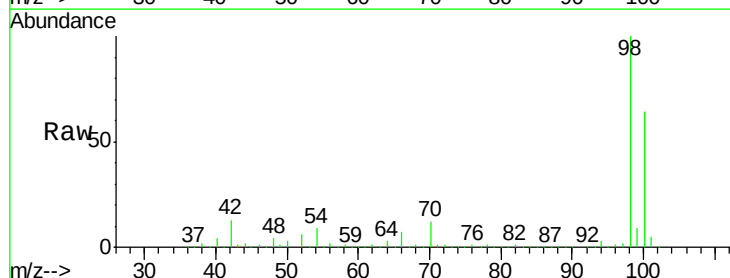
RT: 8.71 min Scan# 1240

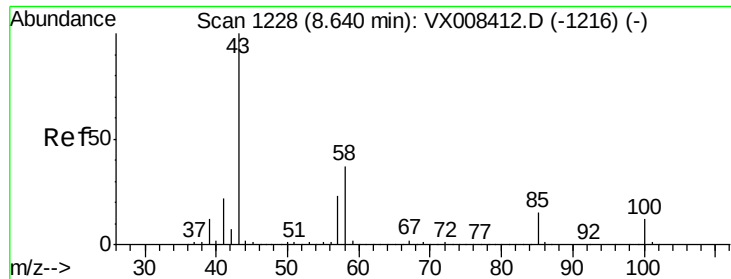
Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Tgt Ion:	98	Resp:	407684
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 83.744 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion: 43 Resp: 394086

Ion Ratio Lower Upper

43 100

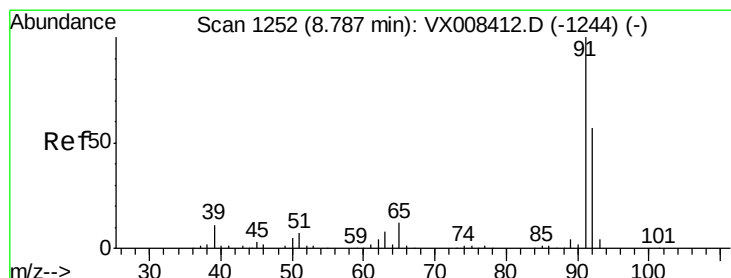
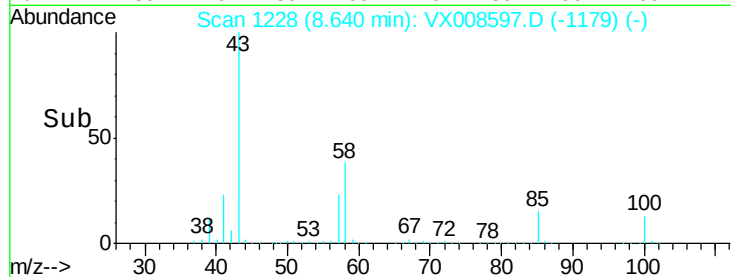
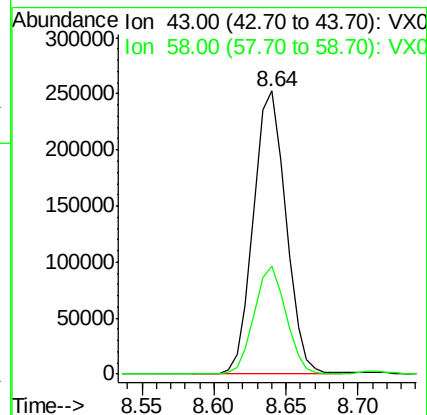
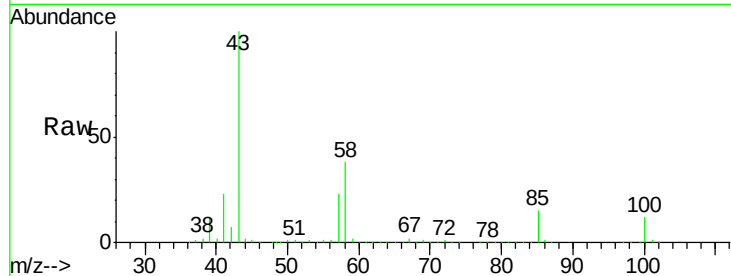
58 37.2 29.8 44.8

Manual Integrations

APPROVED

MMDadoda

4/3/2019 10:51:26 AM



#52

Toluene

Concen: 15.917 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008597.D

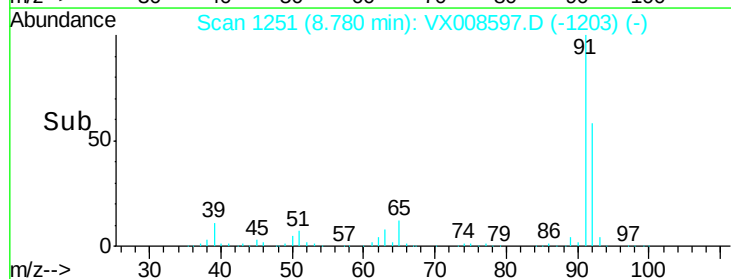
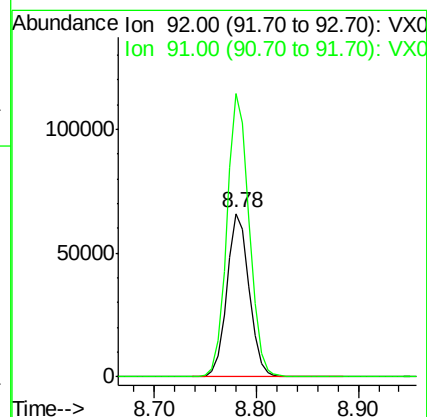
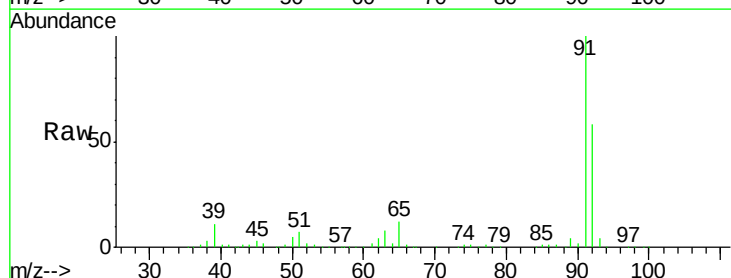
Acq: 02 Apr 2019 17:52

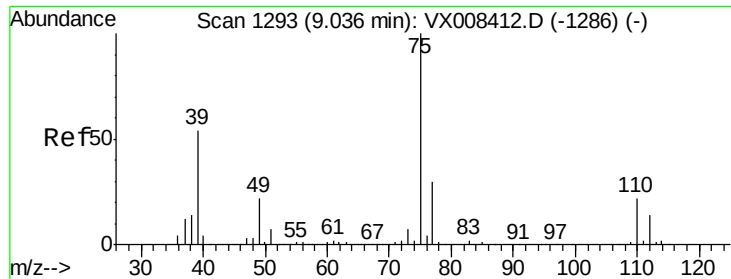
Tgt Ion: 92 Resp: 99626

Ion Ratio Lower Upper

92 100

91 173.4 140.2 210.4





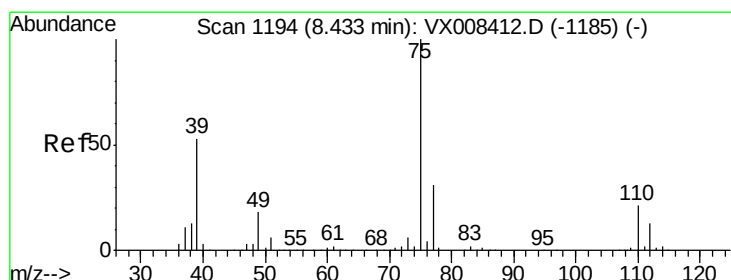
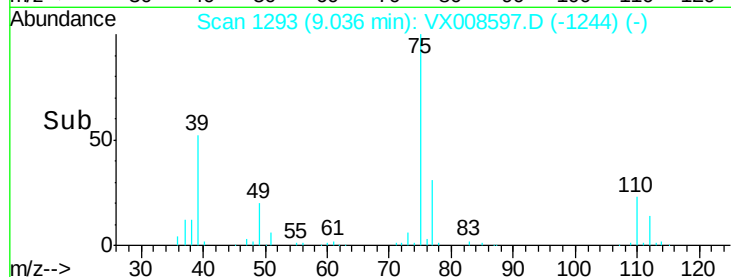
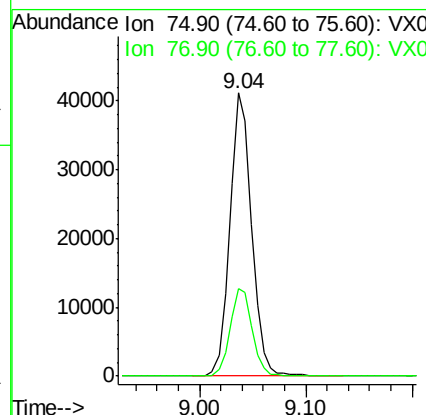
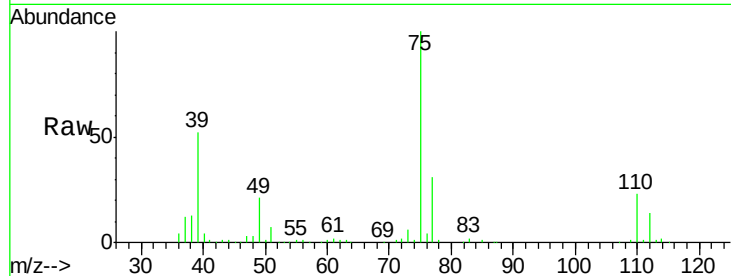
#53
t-1,3-Dichloropropene
Concen: 16.182 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.3	36.5

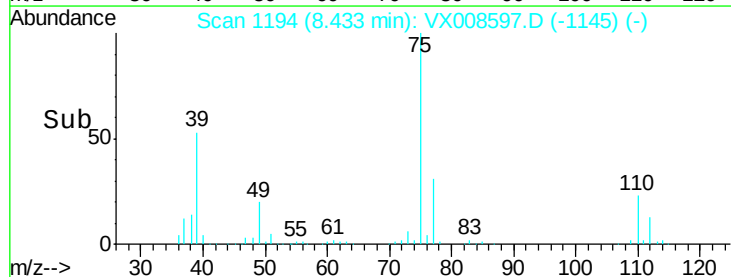
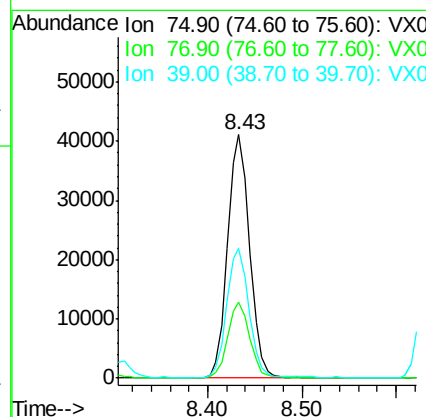
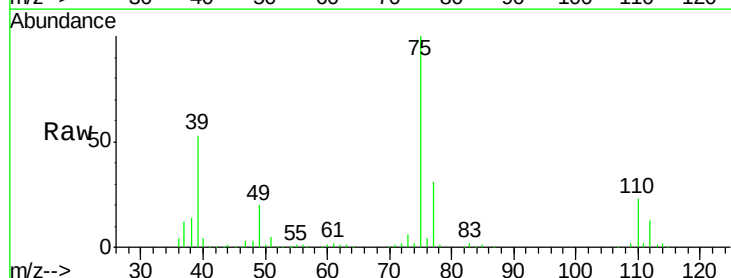
Manual Integrations
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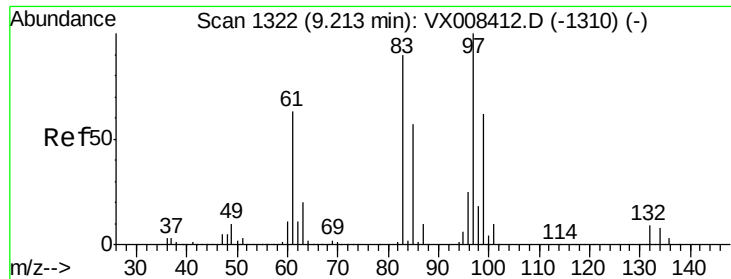
MMDadoda
4/3/2019 10:51:26 AM



#54
cis-1,3-Dichloropropene
Concen: 16.108 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.7	37.1
39	53.0	42.4	63.6





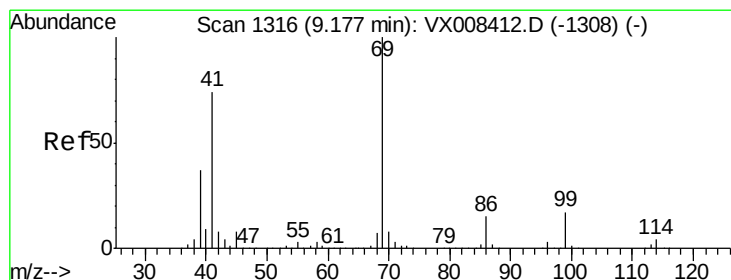
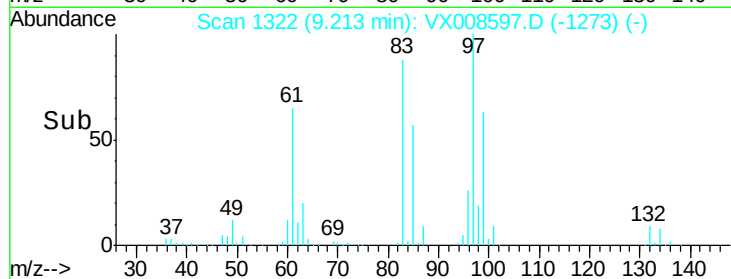
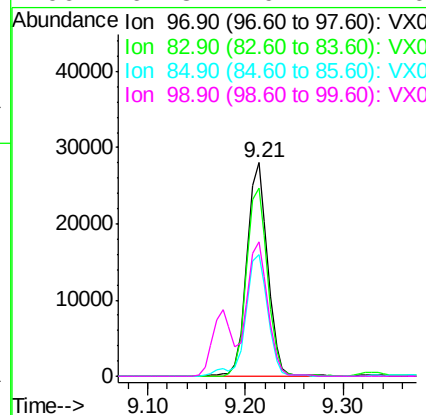
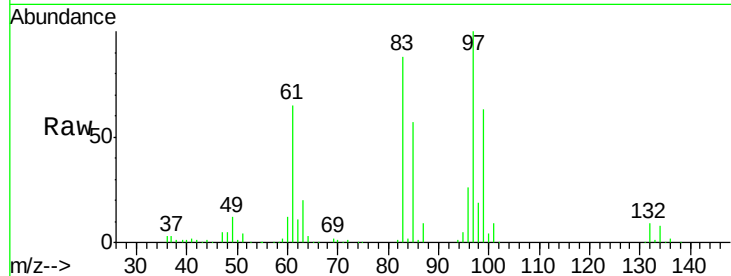
#55
 1,1,2-Trichloroethane
 Concen: 16.134 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

Tot Ion:	97	Resp:	41106
Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.8	107.6
85	57.2	45.9	68.9
99	62.8	49.4	74.0

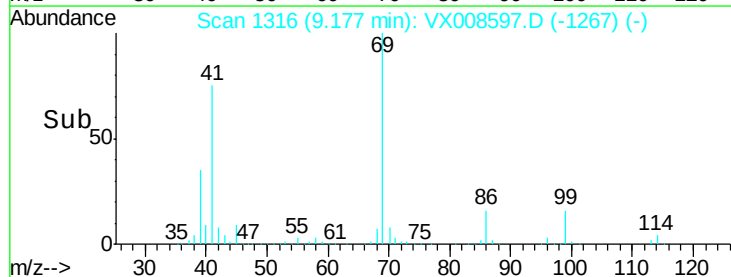
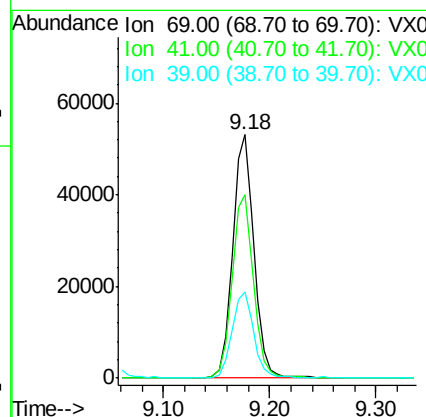
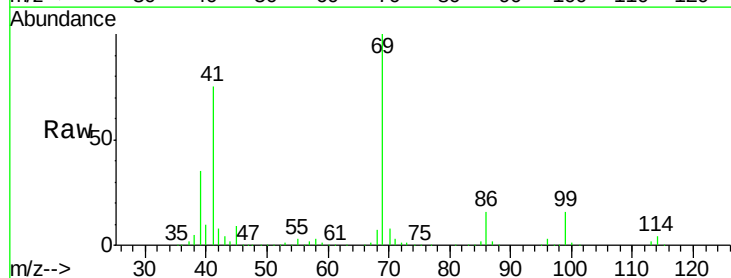
Manual Integrations
 APPROVED

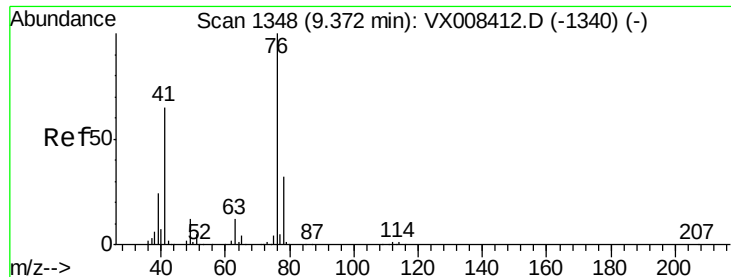
MMDadoda
 4/3/2019 10:51:26 AM



#56
 Ethyl methacrylate
 Concen: 16.143 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion:	69	Resp:	74243
Ion	Ratio	Lower	Upper
69	100		
41	74.8	59.5	89.3
39	35.4	29.3	43.9





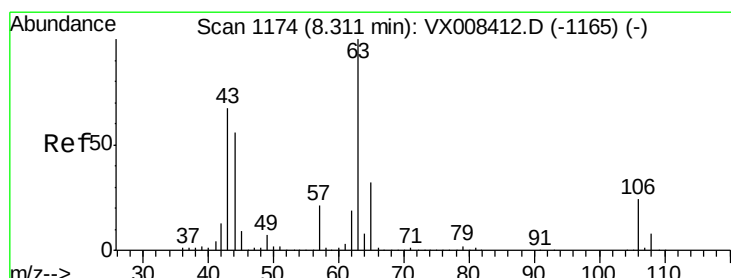
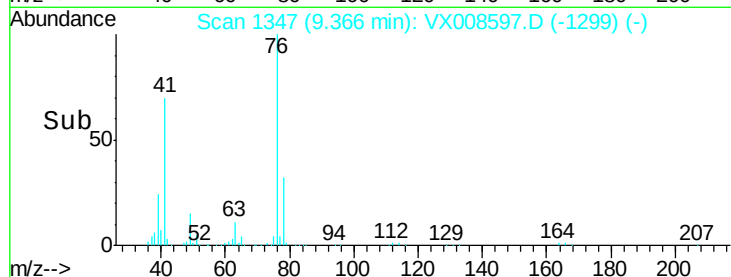
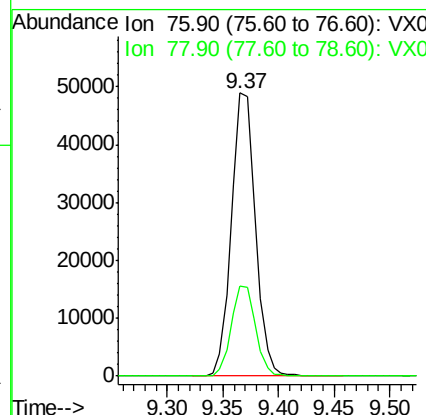
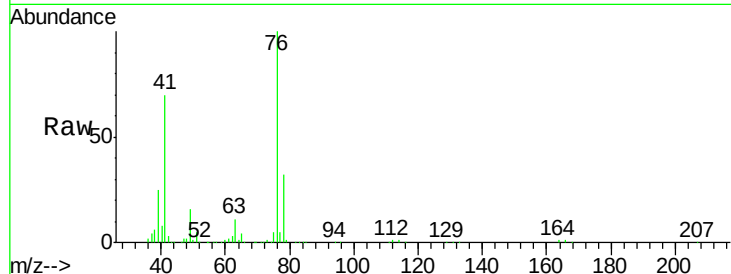
#57
 1,3-Dichloropropane
 Concen: 16.056 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Instrument :
 MSVOA_X
 ClientSampled :
 VX0402WBS02

Tot Ion: 76 Resp: 73345
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

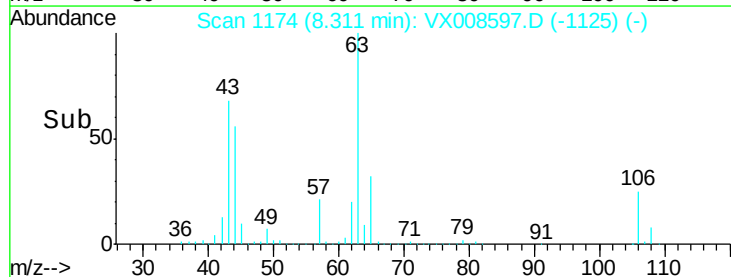
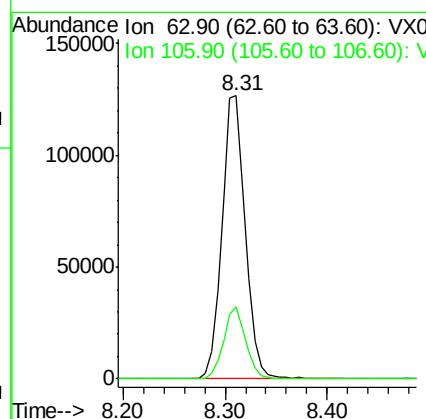
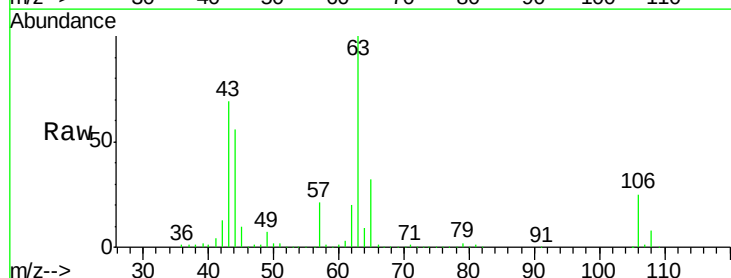
Manual Integrations
 APPROVED

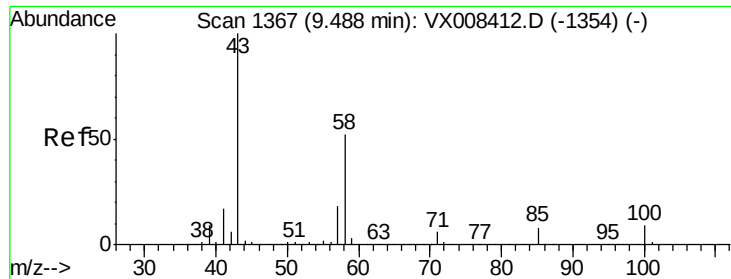
MMDadoda
 4/3/2019 10:51:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.277 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion: 63 Resp: 202730
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.0 28.6





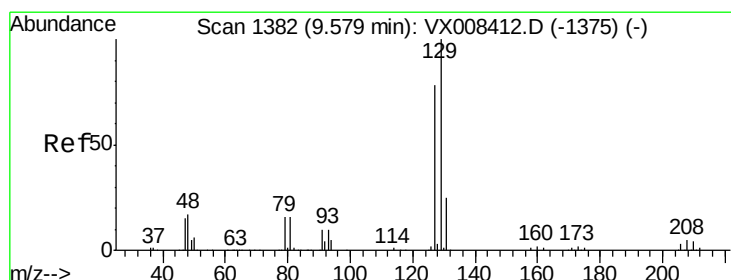
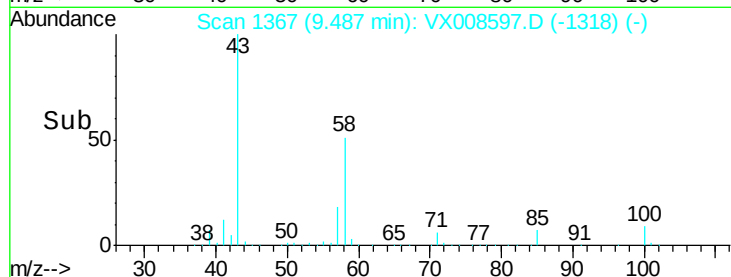
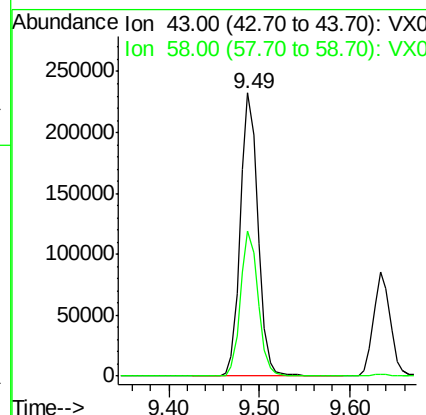
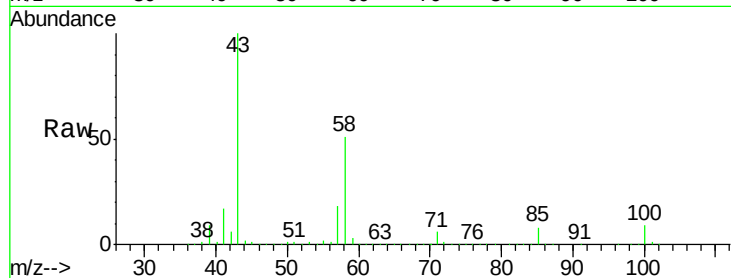
#59
2-Hexanone
Concen: 85.821 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampled :
VX0402WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.4	26.3	78.9

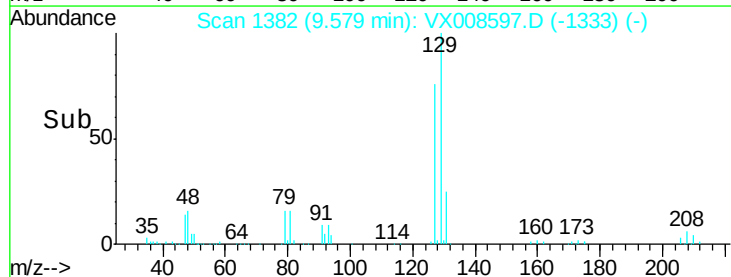
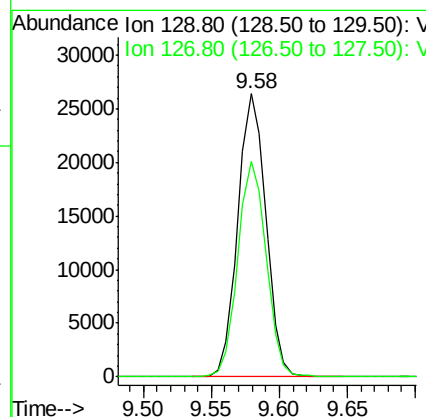
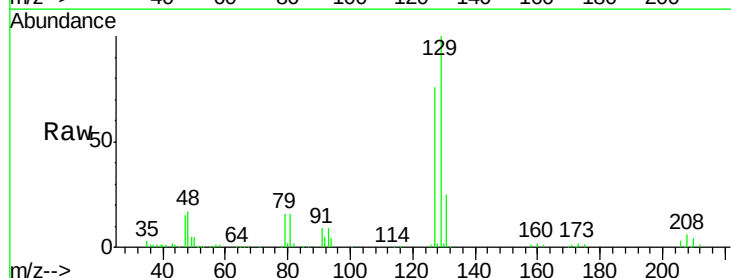
Manual Integrations
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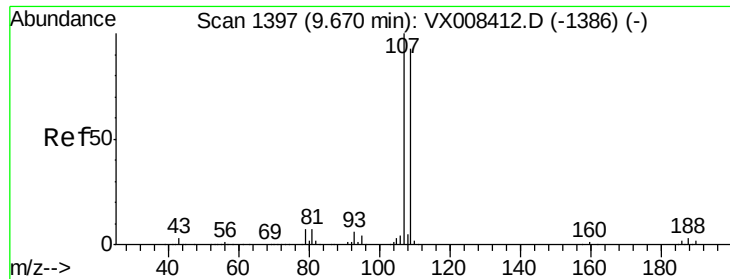
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#60
Dibromochloromethane
Concen: 15.729 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.1	114.3





#61

1,2-Dibromoethane

Concen: 15.881 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion:107 Resp: 41293

Ion Ratio Lower Upper

107 100

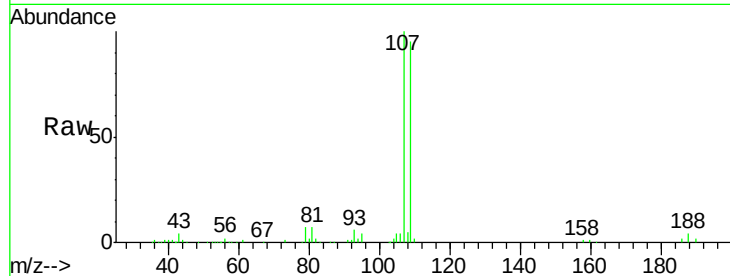
109 95.6 74.6 111.8

Manual Integrations

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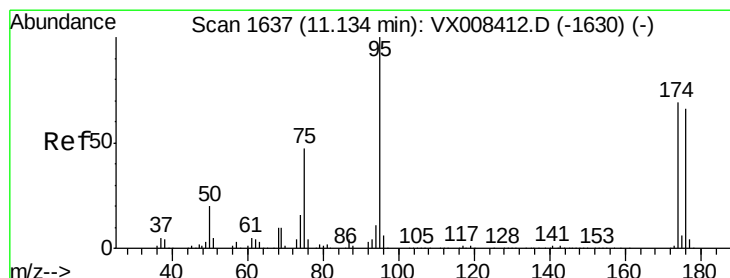
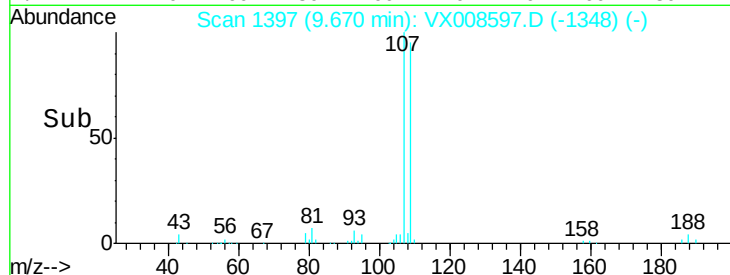
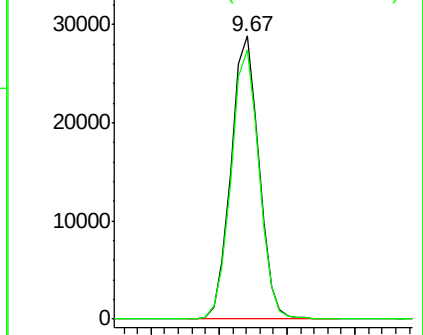
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.435 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

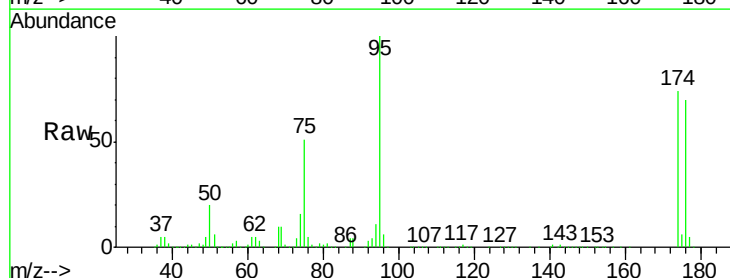
Tgt Ion: 95 Resp: 150291

Ion Ratio Lower Upper

95 100

174 76.2 0.0 147.2

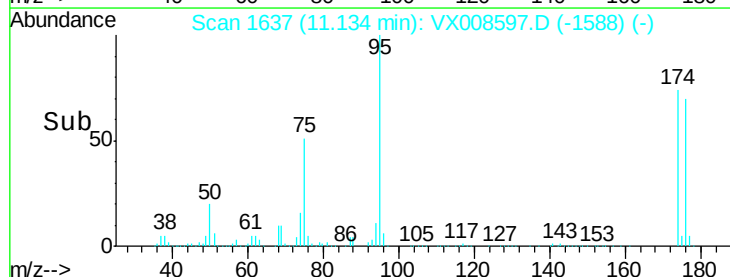
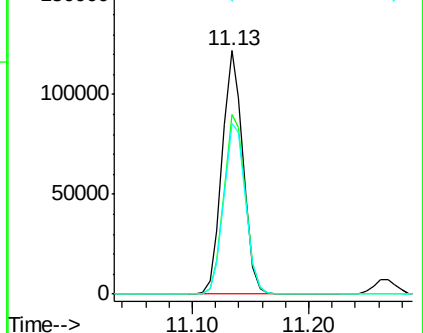
176 73.3 0.0 142.4

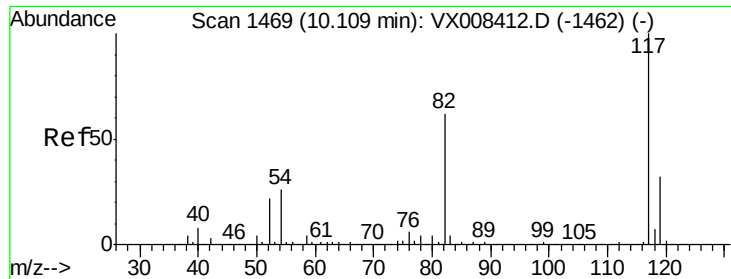


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

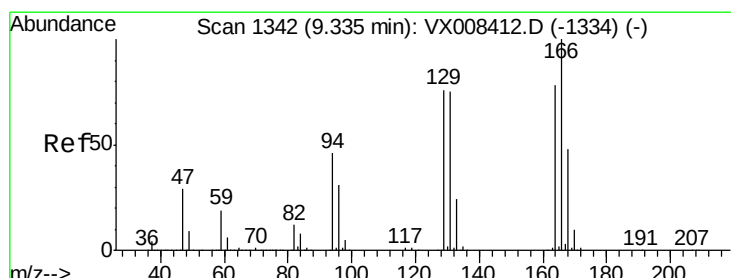
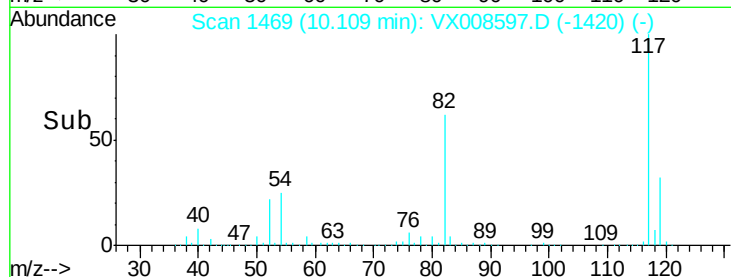
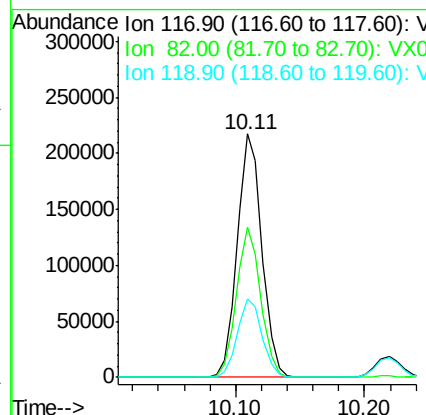
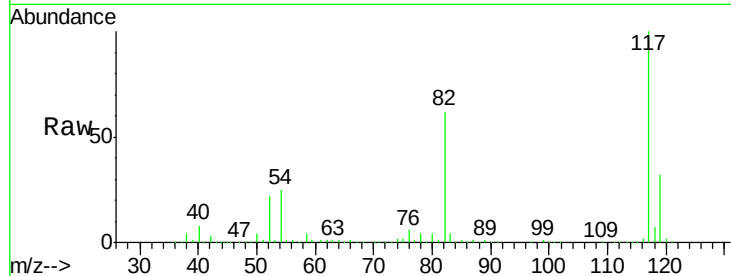
ClientSampleId :

VX0402WBS02

Tot Ion:	117	Resp:	290502
Ion Ratio	Lower	Upper	
117	100		
82	61.5	49.4	74.2
119	32.1	25.4	38.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 16.562 ug/l

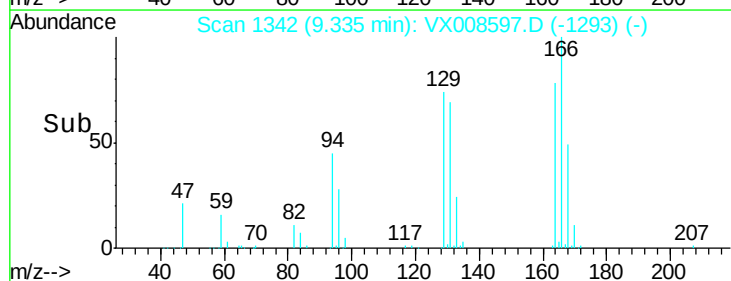
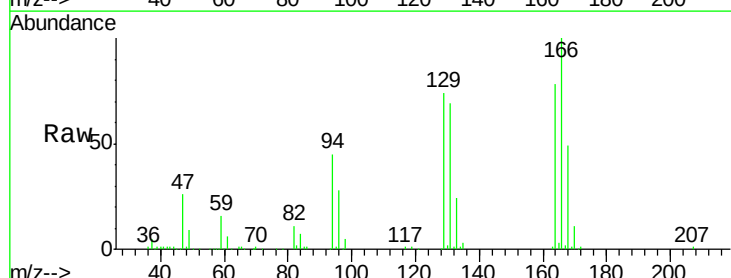
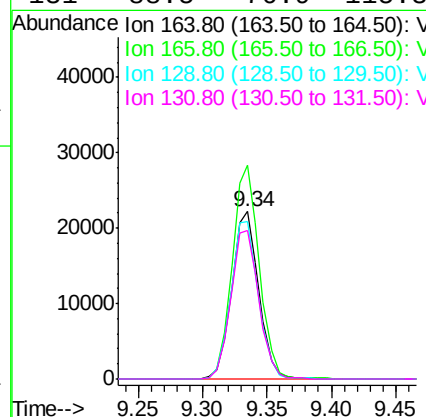
RT: 9.34 min Scan# 1342

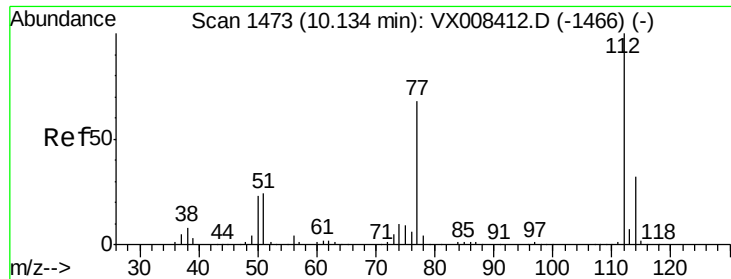
Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Tgt Ion:	164	Resp:	32573
Ion Ratio	Lower	Upper	
164	100		
166	127.6	102.5	153.7
129	94.2	77.8	116.8
131	88.5	76.9	115.3





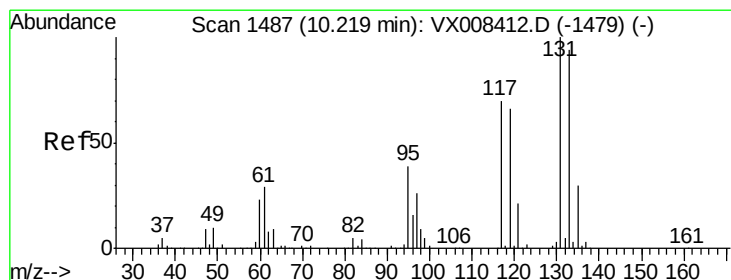
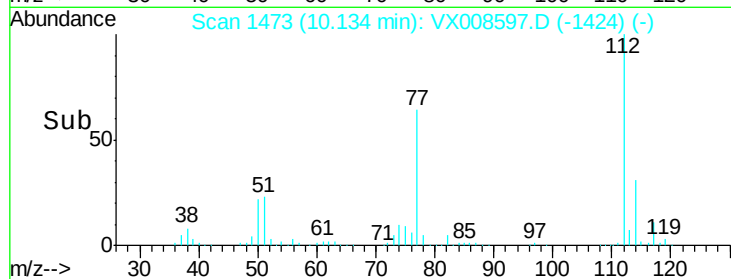
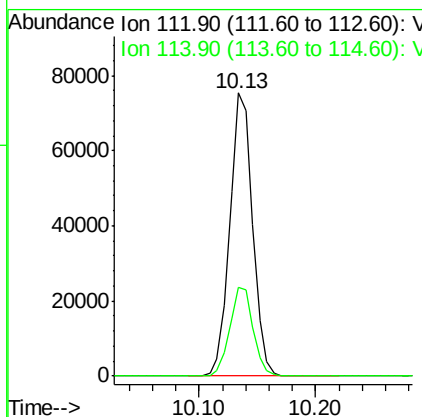
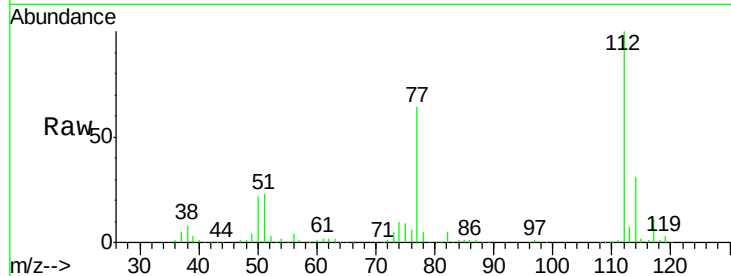
#65
Chlorobenzene
Concen: 16.249 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion:112 Resp: 102656
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.2

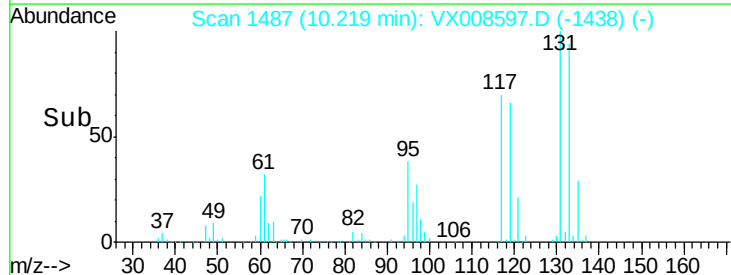
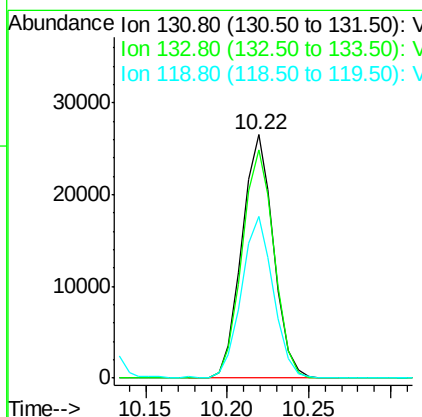
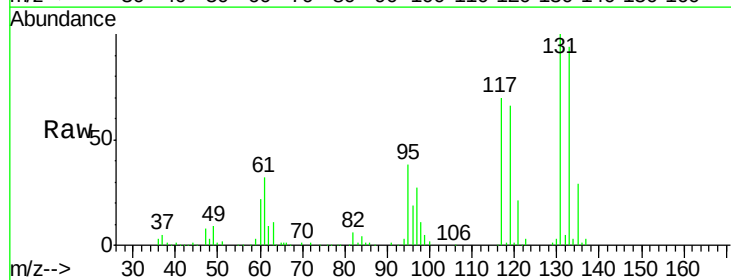
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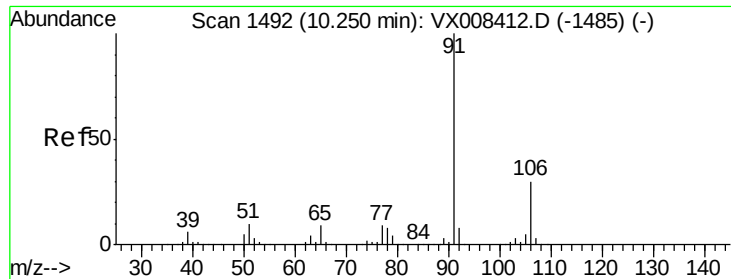
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#66
1,1,1,2-Tetrachloroethane
Concen: 16.443 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion:131 Resp: 35840
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.8
119 67.2 33.6 100.6





#67

Ethyl Benzene

Concen: 16.103 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampled :

VX0402WBS02

Tot Ion: 91 Resp: 191998

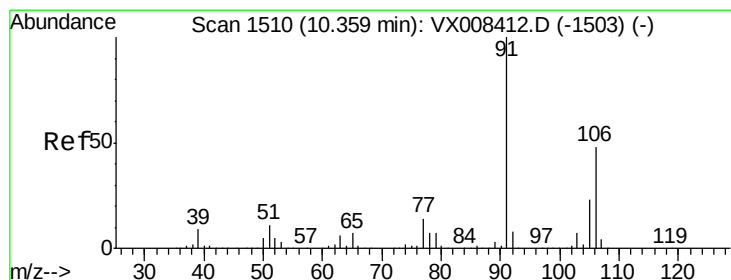
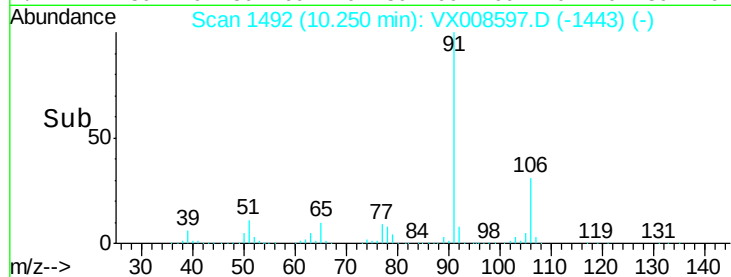
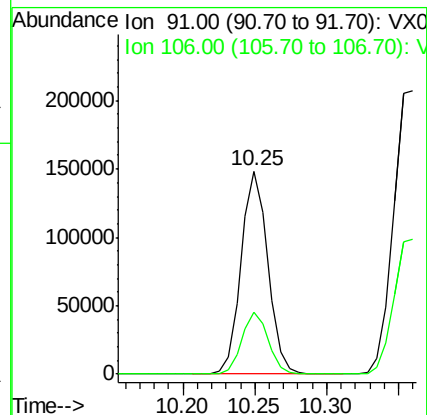
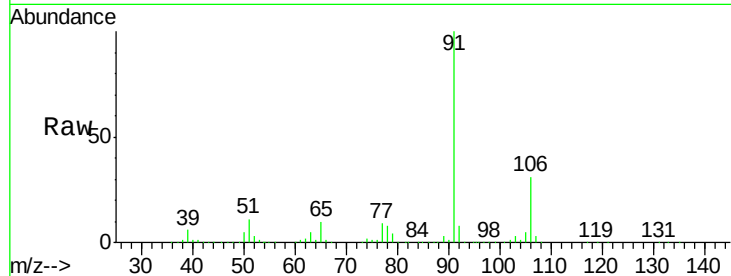
Ion Ratio Lower Upper

91 100

106 30.6 24.0 36.0

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#68

m/p-Xylenes

Concen: 32.303 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008597.D

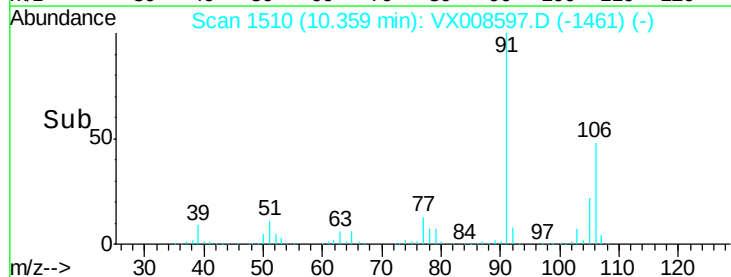
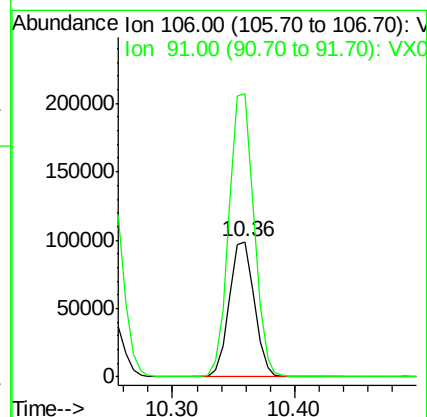
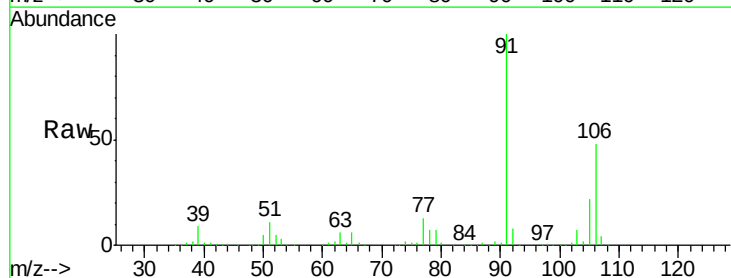
Acq: 02 Apr 2019 17:52

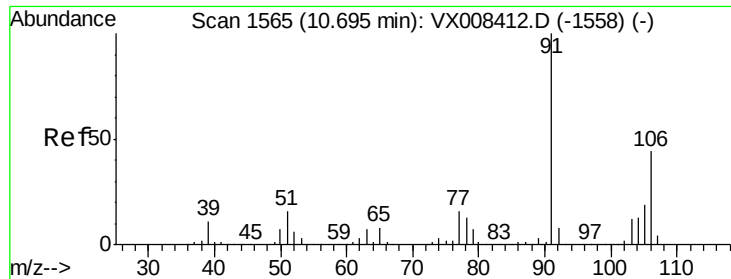
Tgt Ion: 106 Resp: 140116

Ion Ratio Lower Upper

106 100

91 209.6 168.6 253.0





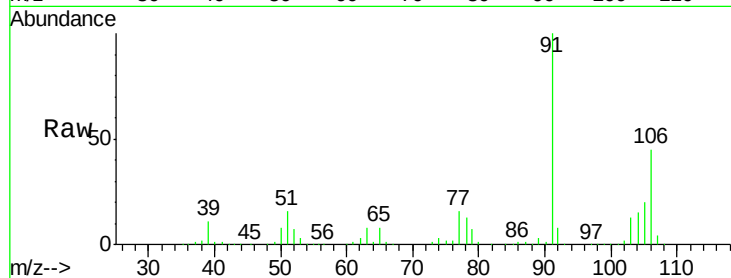
#69
o-Xylene
Concen: 16.230 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampled :
VX0402WBS02

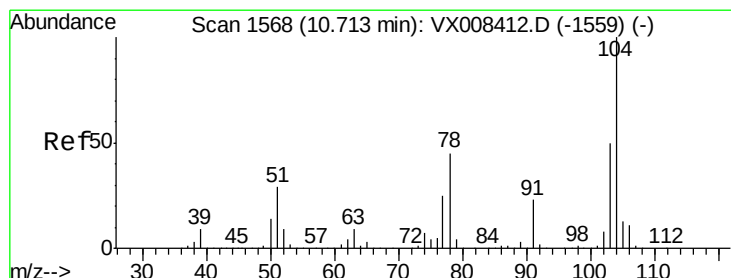
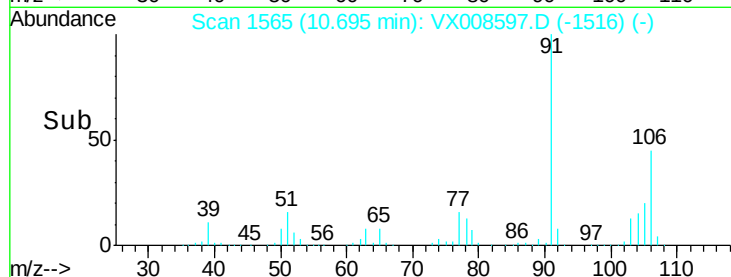
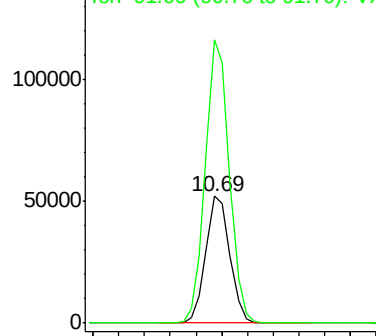
Tot Ion:106 Resp: 68318
Ion Ratio Lower Upper
106 100
91 221.1 111.4 334.2

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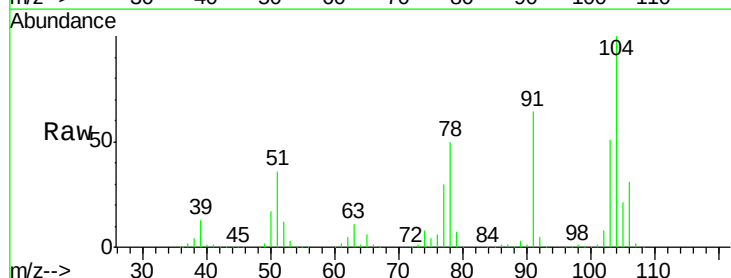


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

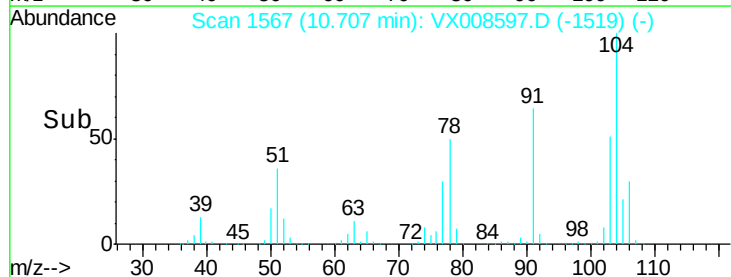
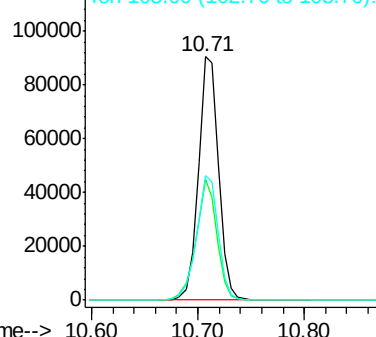


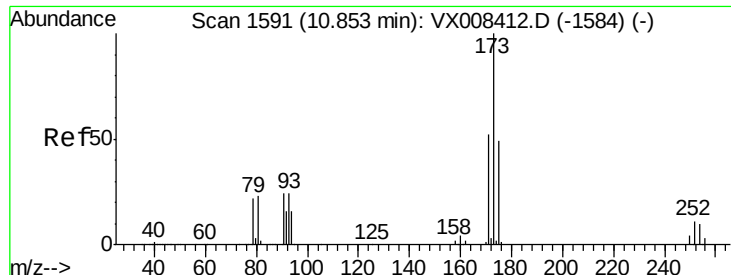
#70
Styrene
Concen: 16.537 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion:104 Resp: 120238
Ion Ratio Lower Upper
104 100
78 51.1 42.5 63.7
103 54.7 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 15.670 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampled :

VX0402WBS02

Tot Ion:173 Resp: 26973

Ion Ratio Lower Upper

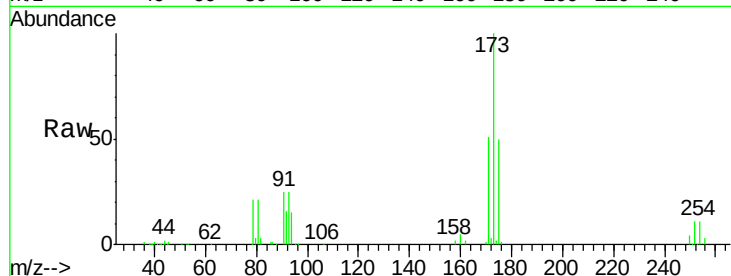
173 100

175 48.8 24.3 72.8

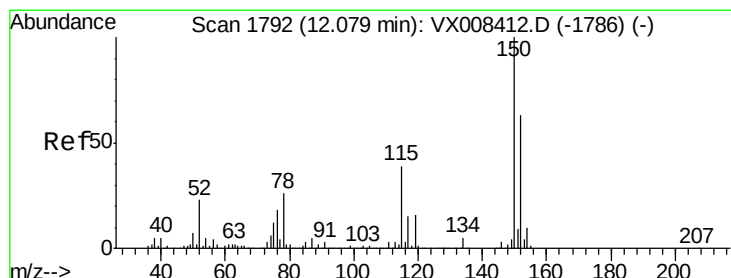
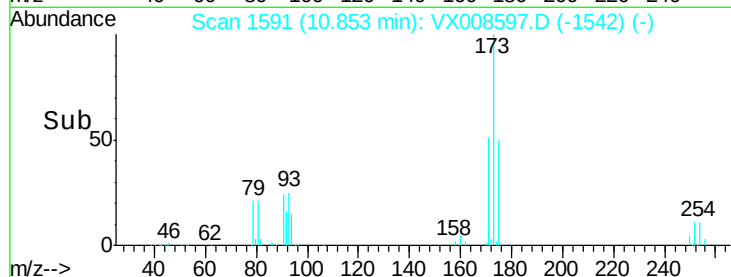
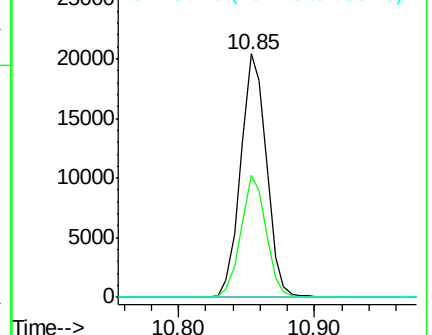
254 0.0 0.2 0.2#

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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: VX008597.D

Acq: 02 Apr 2019 17:52

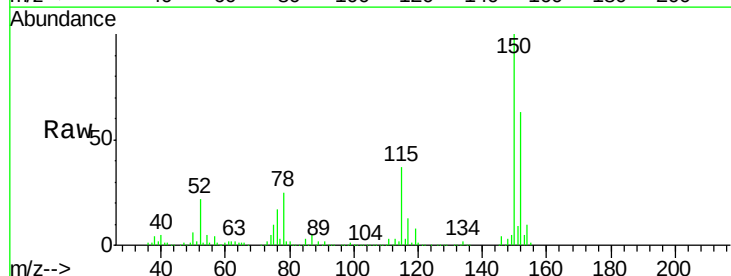
Tgt Ion:152 Resp: 138535

Ion Ratio Lower Upper

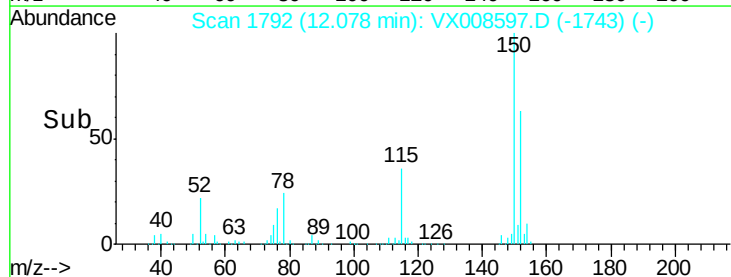
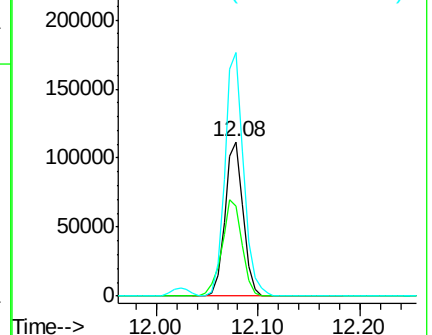
152 100

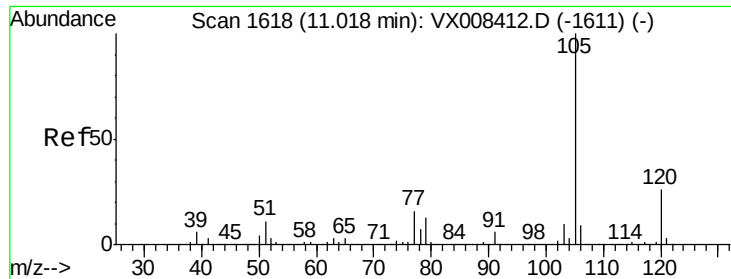
115 69.0 43.5 130.5

150 163.1 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: 16.298 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion: 105 Resp: 183688

Ion Ratio Lower Upper

105 100

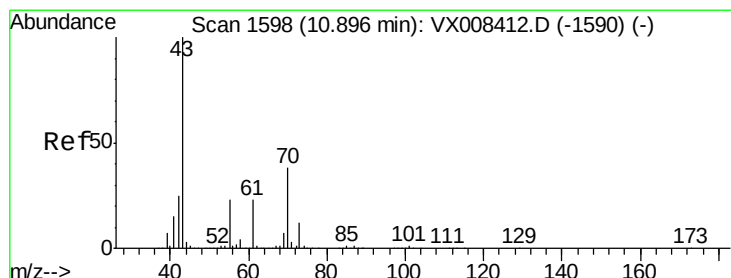
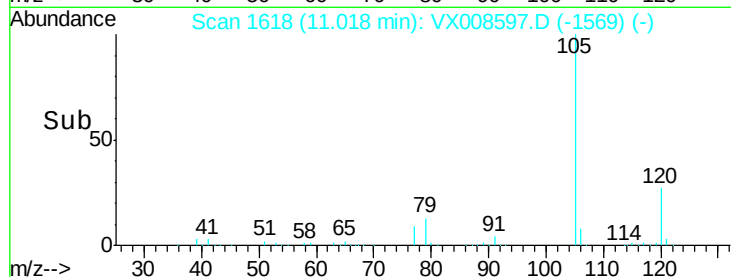
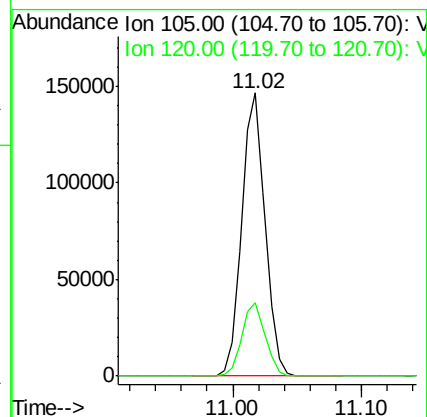
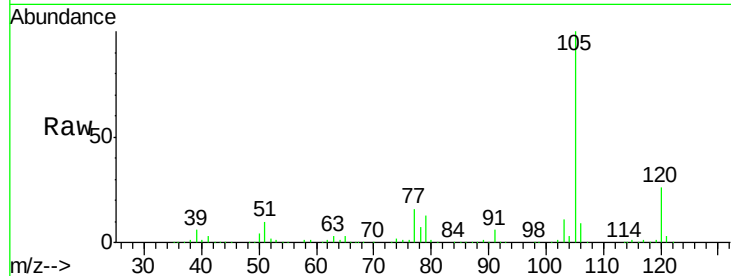
120 26.0 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 16.169 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Tgt Ion: 43 Resp: 105479

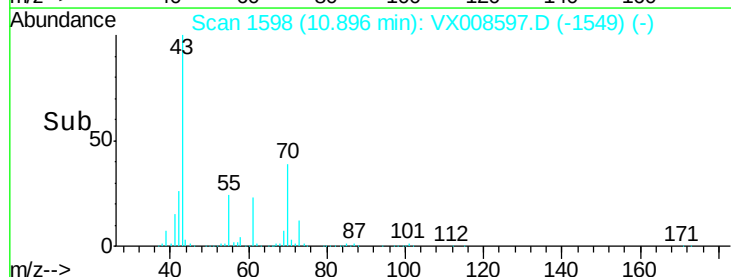
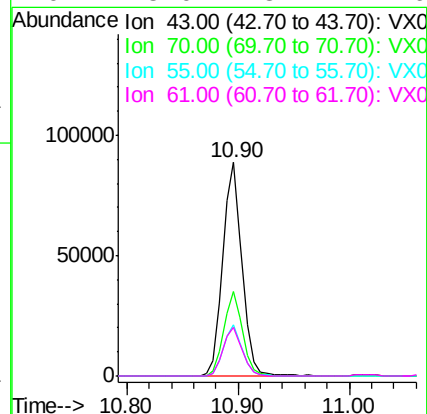
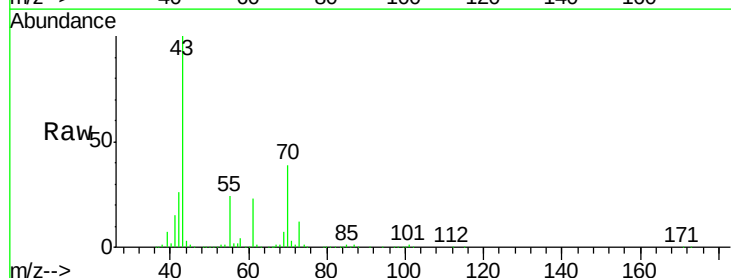
Ion Ratio Lower Upper

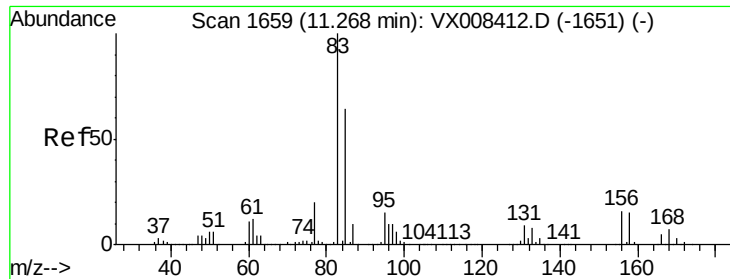
43 100

70 38.7 30.5 45.7

55 23.4 18.2 27.2

61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 15.972 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

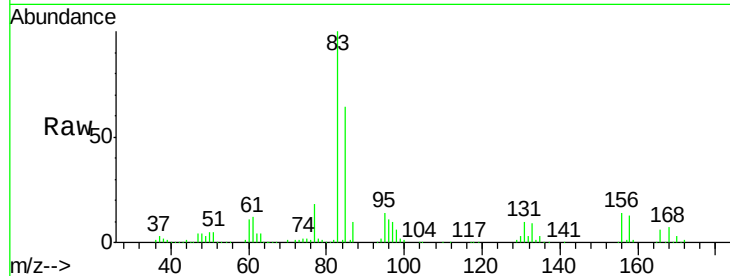
ClientSampled :

VX0402WBS02

Tot Ion:	83	Resp:	69845
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.4
85	64.0	31.9	95.9

Manual Integrations
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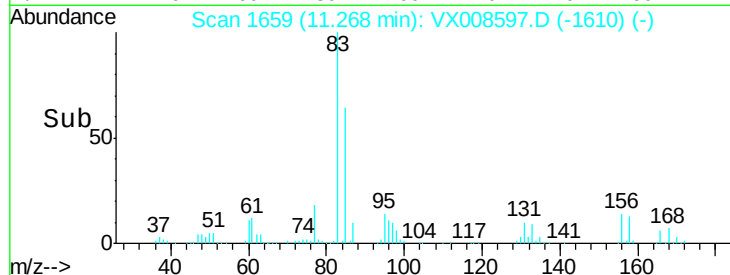


Abundance Ion 82.90 (82.60 to 83.60): VX0

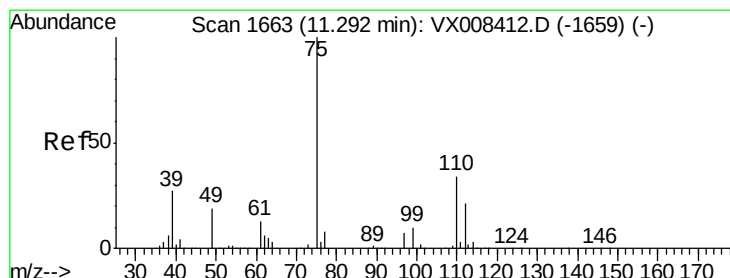
Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 14.494 ug/l m

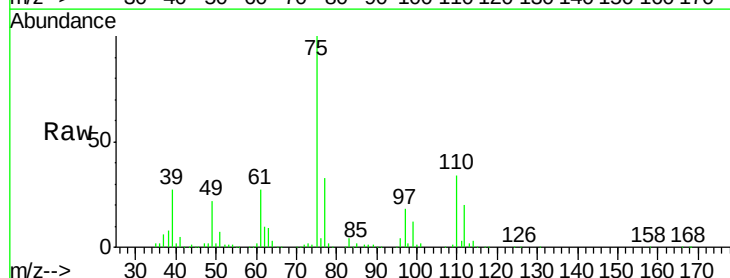
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

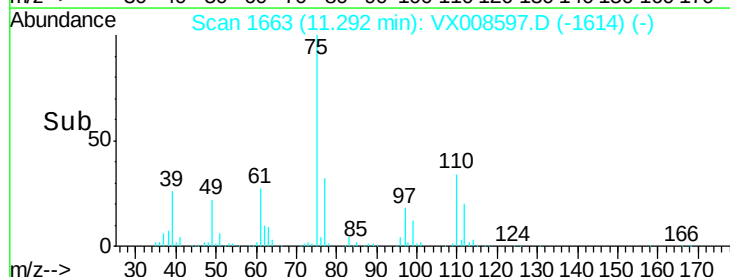
Tgt Ion:	75	Resp:	59694
Ion Ratio	Lower	Upper	
75	100		
77	42.8	21.9	65.7



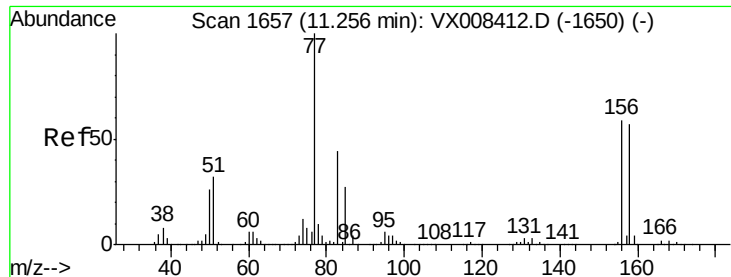
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

Time-->



Time-->



#77

Bromobenzene

Concen: 15.886 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

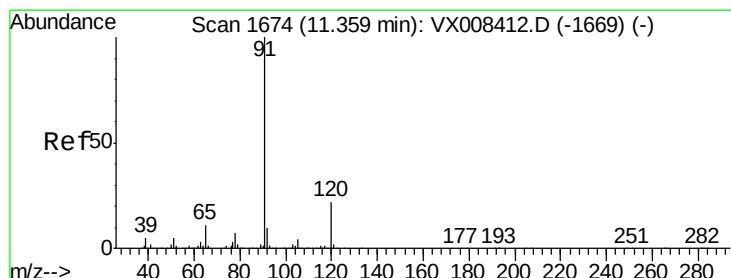
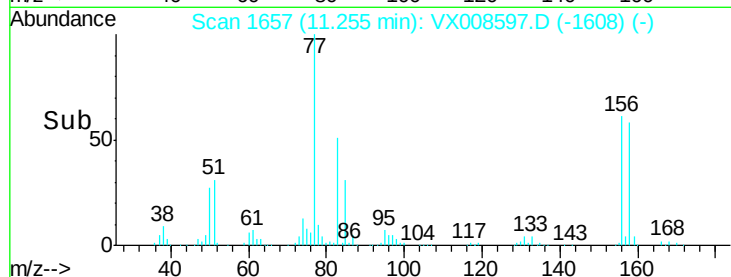
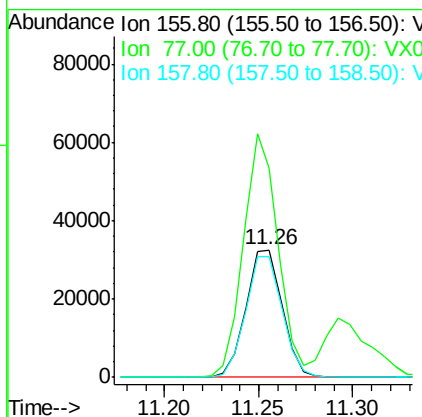
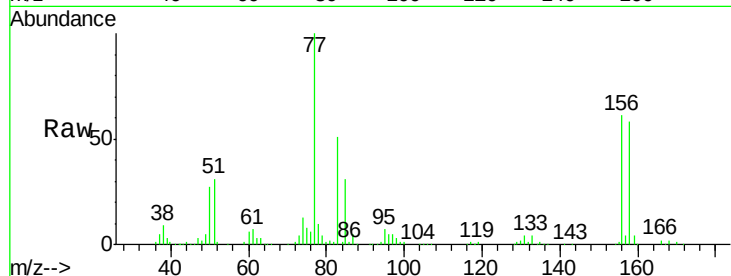
ClientSampleId :

VX0402WBS02

Tot Ion:	156	Resp:	43454
Ion	Ratio	Lower	Upper
156	100		
77	181.8	91.1	273.3
158	96.2	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 16.248 ug/l

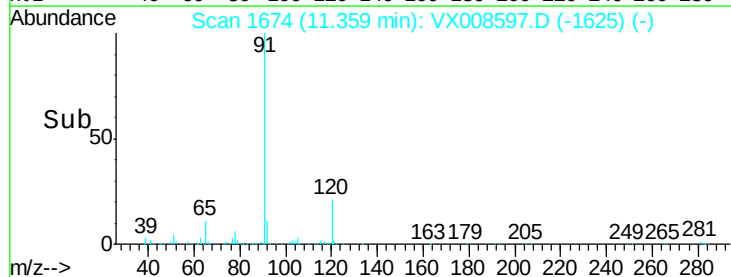
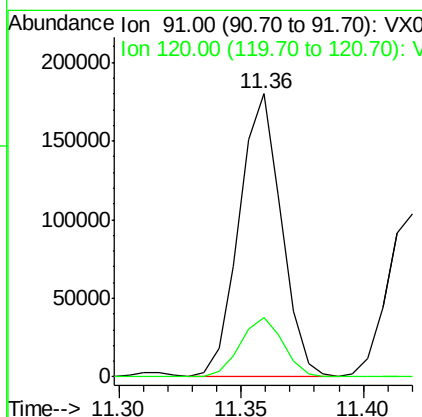
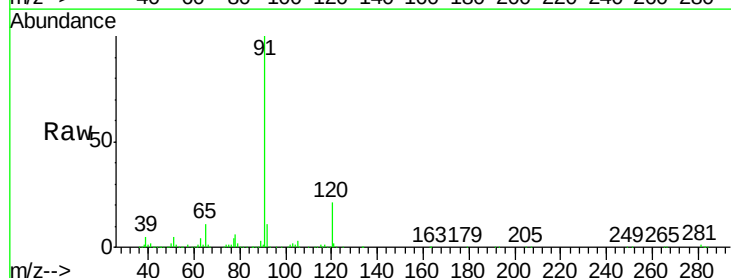
RT: 11.36 min Scan# 1674

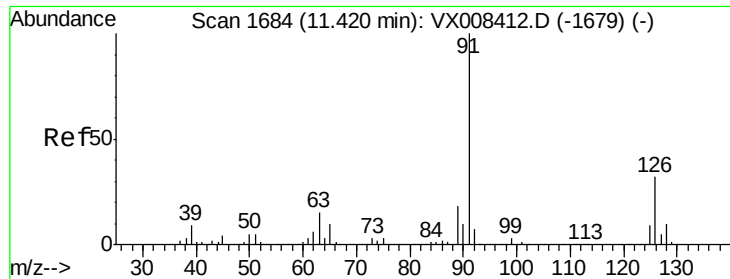
Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Tgt Ion:	91	Resp:	214515
Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.4





#79

2-Chlorotoluene

Concen: 15.846 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampled :

VX0402WBS02

Tot Ion: 91 Resp: 127251

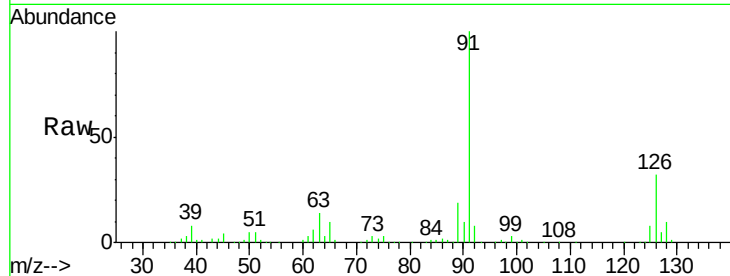
Ion Ratio Lower Upper

91 100

126 31.8 15.7 47.1

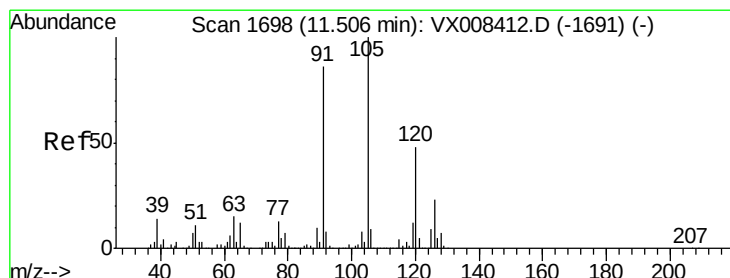
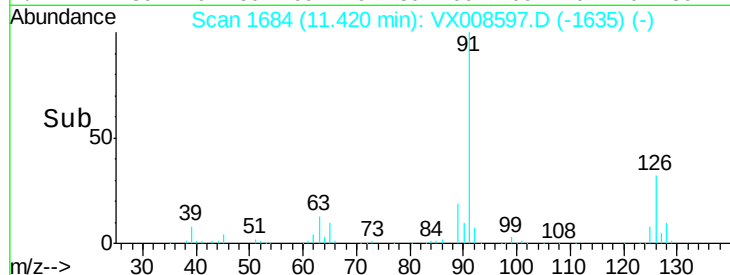
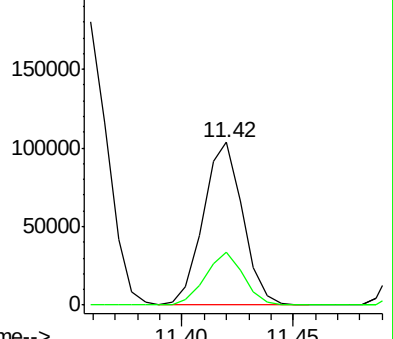
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Abundance Ion 91.00 (90.70 to 91.70): VX008412.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008412.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 16.281 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008597.D

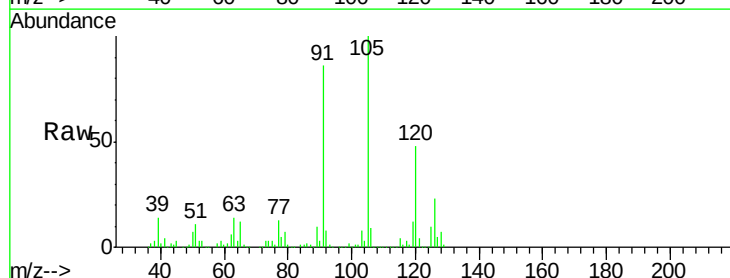
Acq: 02 Apr 2019 17:52

Tgt Ion: 105 Resp: 155127

Ion Ratio Lower Upper

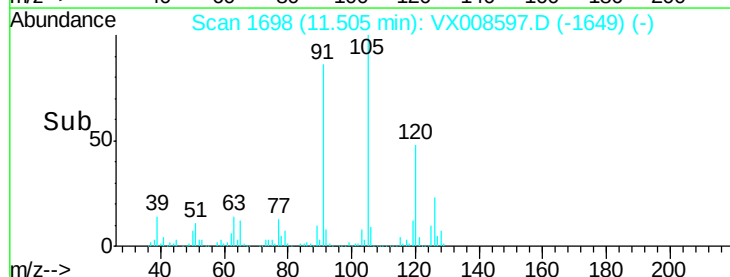
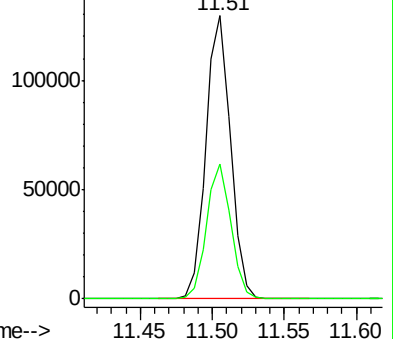
105 100

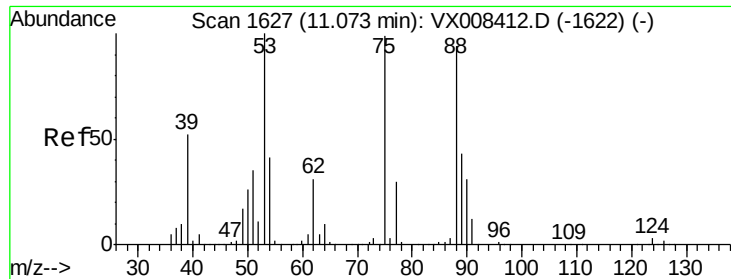
120 47.4 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): VX008412.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX008412.D (-1691) (-)





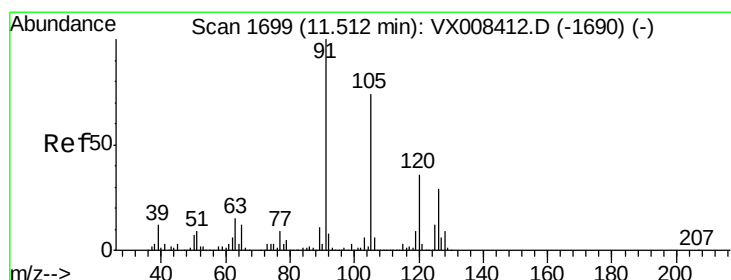
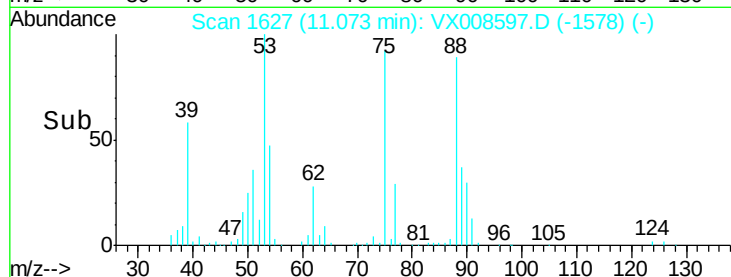
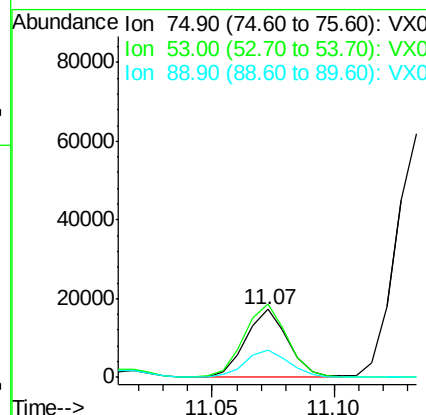
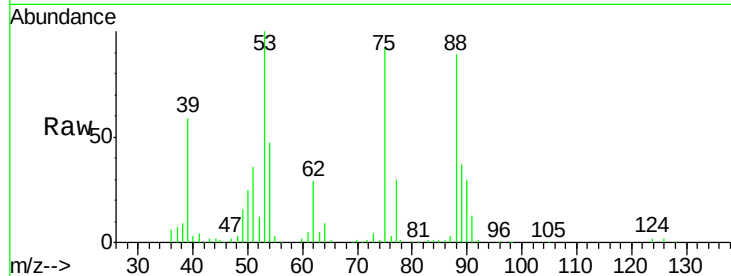
#81
trans-1,4-Dichloro-2-butene
Concen: 15.933 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.0	82.1	123.1
89	42.3	34.6	52.0

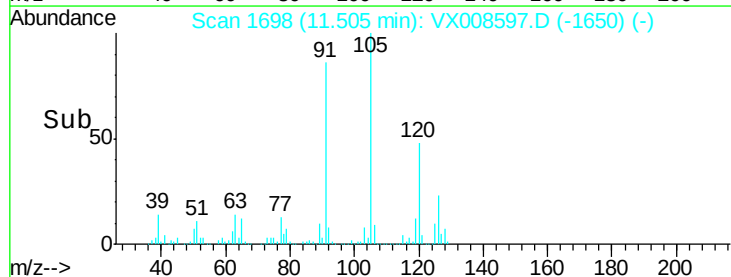
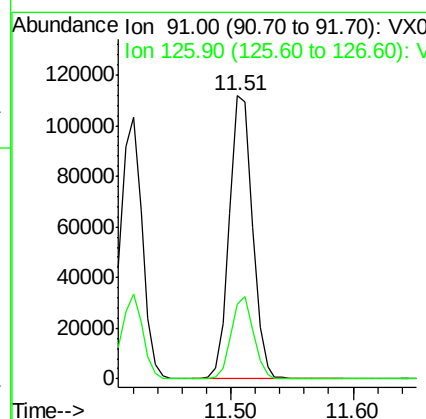
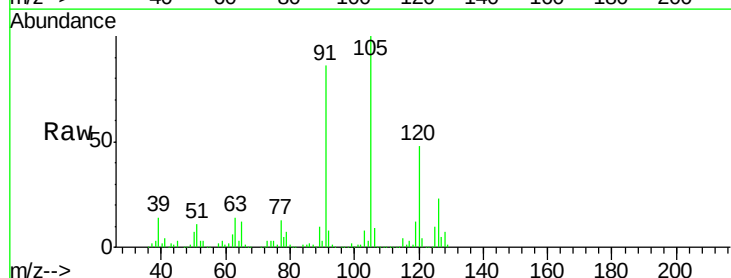
Manual Integrations
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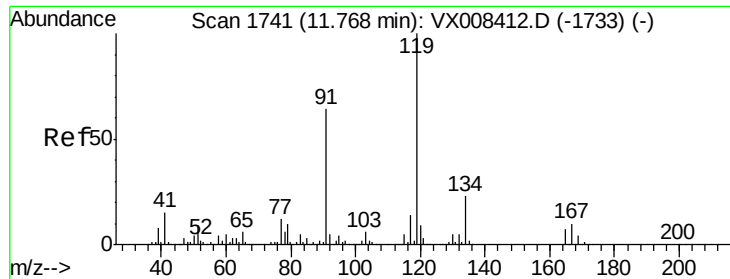
MMDadoda
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#82
4-Chlorotoluene
Concen: 15.774 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.9	13.9	41.7





#83

tert-Butylbenzene

Concen: 16.047 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

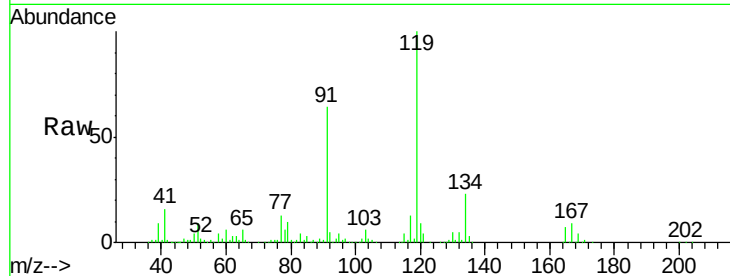
ClientSampled :

VX0402WBS02

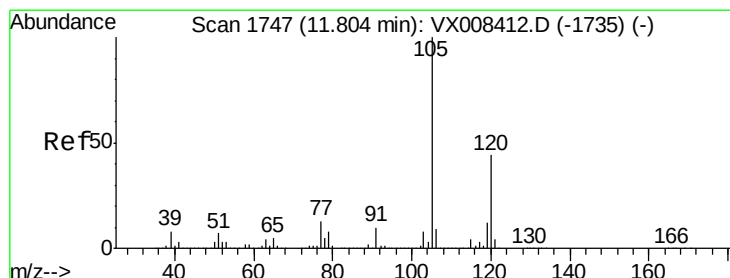
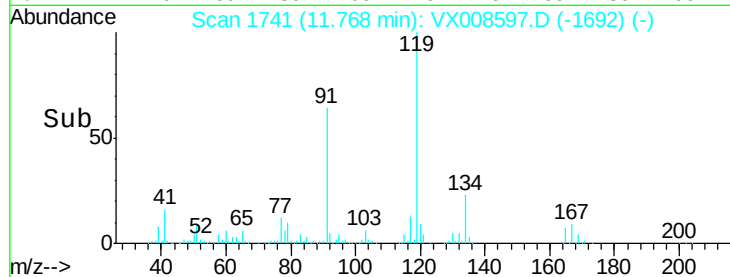
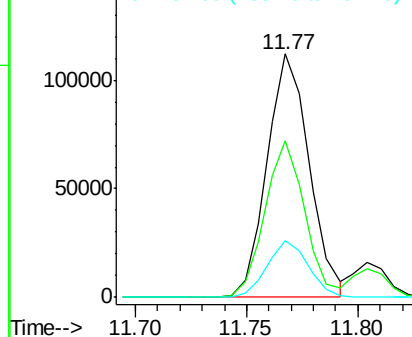
Tot Ion:	119	Resp:	147523
Ion Ratio	Lower	Upper	
119	100		
91	60.9	30.1	90.3
134	22.6	10.9	32.9

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 16.221 ug/l

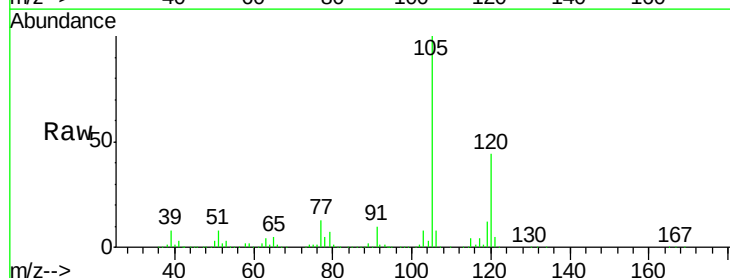
RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

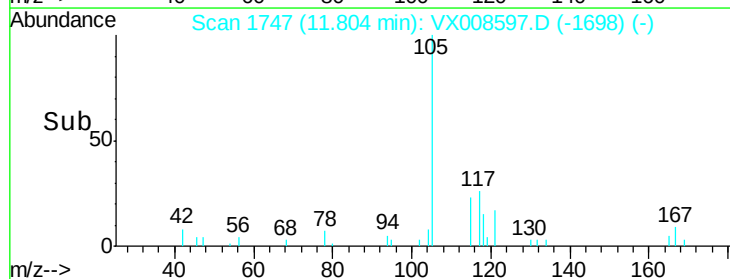
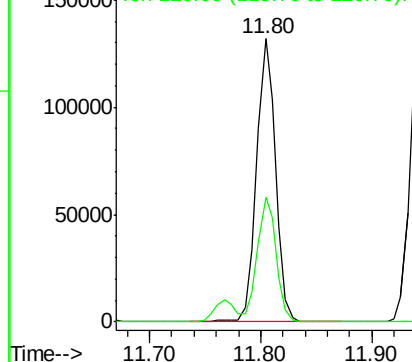
Lab File: VX008597.D

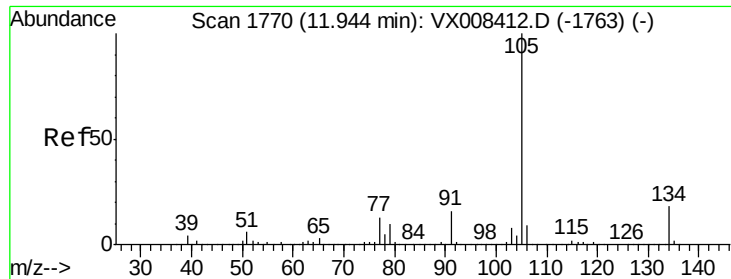
Acq: 02 Apr 2019 17:52

Tgt Ion:	105	Resp:	156332
Ion Ratio	Lower	Upper	
105	100		
120	44.1	21.6	65.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 16.556 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBS02

Tot Ion:105 Resp: 181245

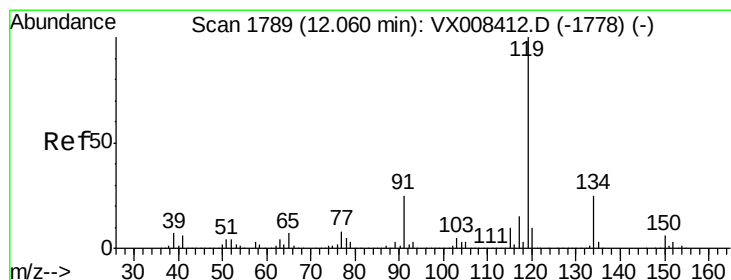
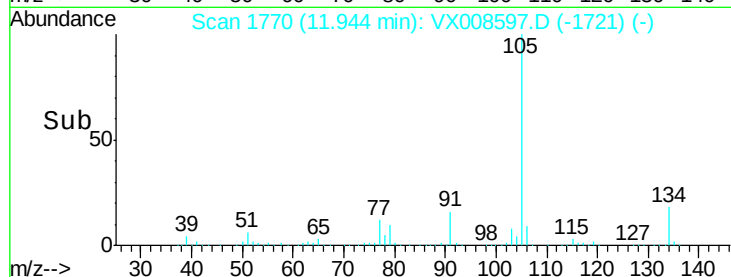
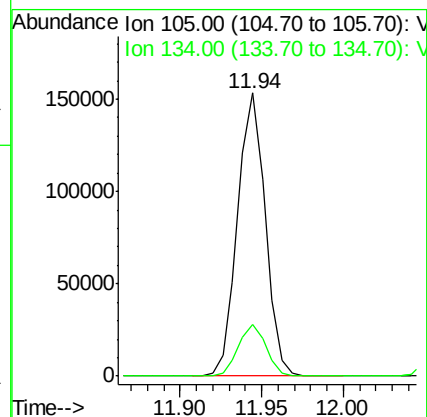
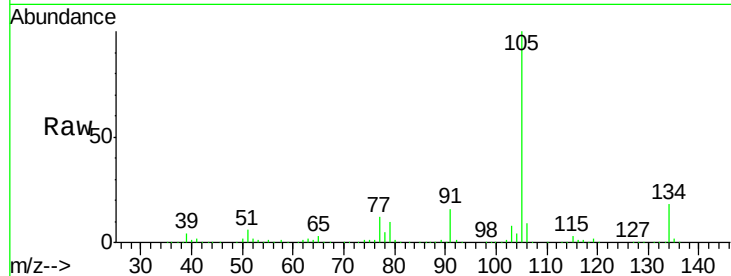
Ion Ratio Lower Upper

105 100

134 18.4 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 16.653 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

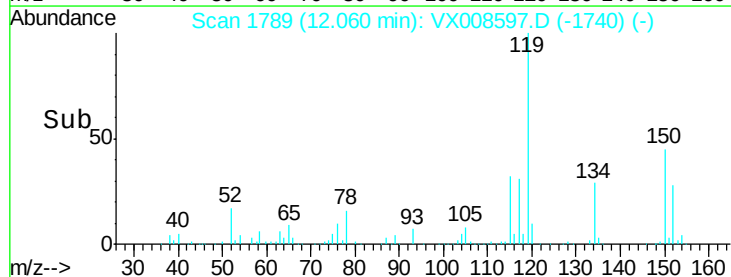
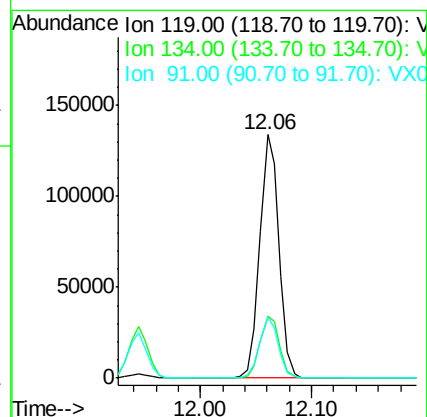
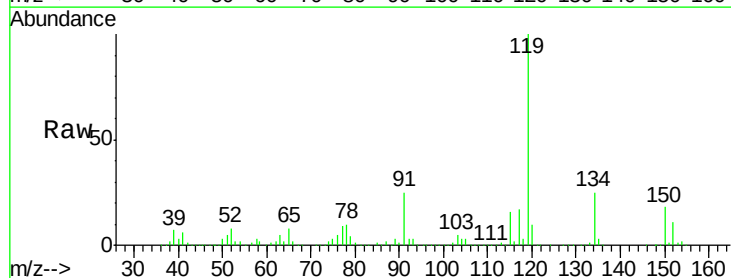
Tgt Ion:119 Resp: 160867

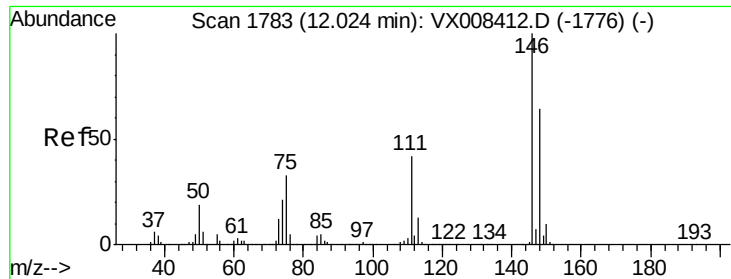
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.5 12.4 37.0





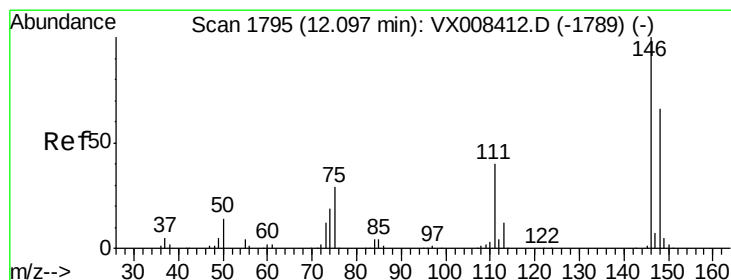
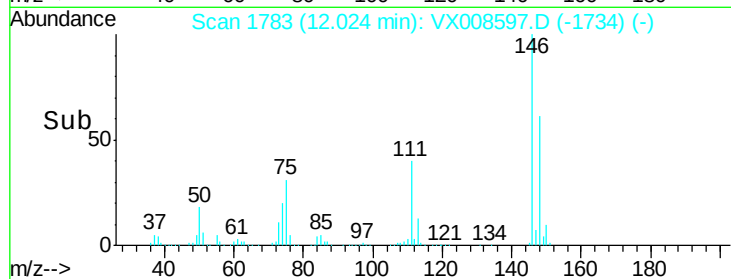
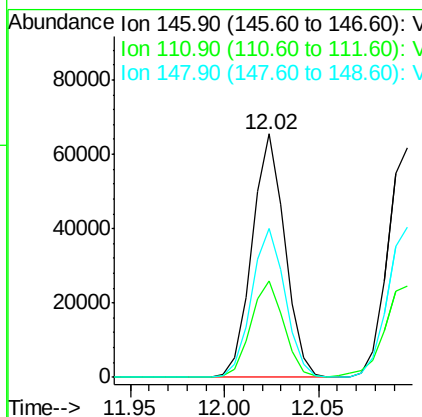
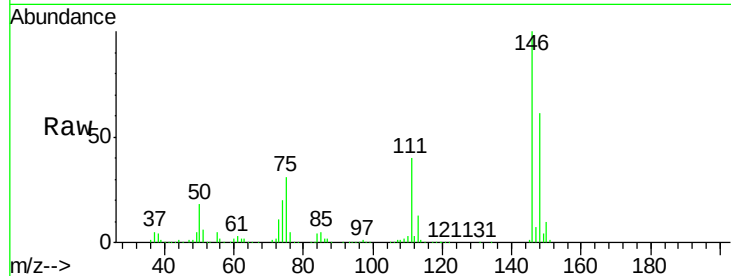
#87
 1,3-Dichlorobenzene
 Concen: 16.151 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Instrument :
 MSVOA_X
 ClientSampled :
 VX0402WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.8	62.5
148	62.6	32.0	96.0

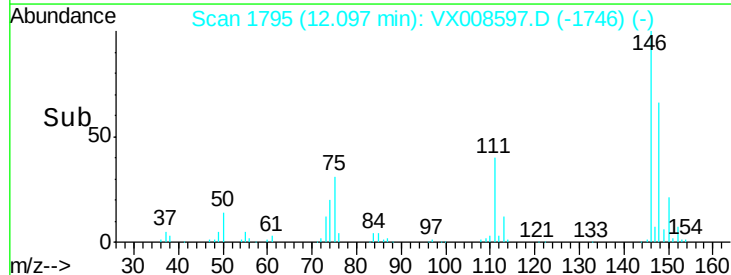
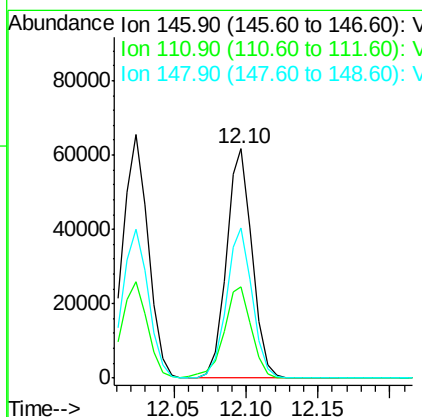
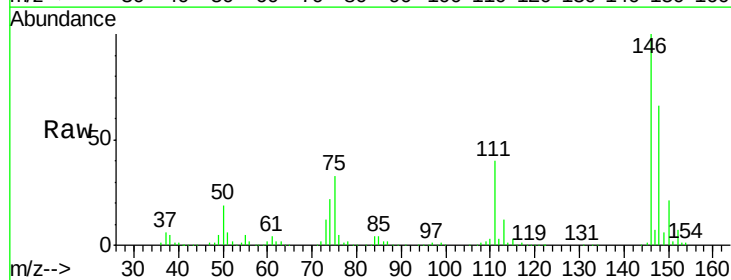
Manual Integrations
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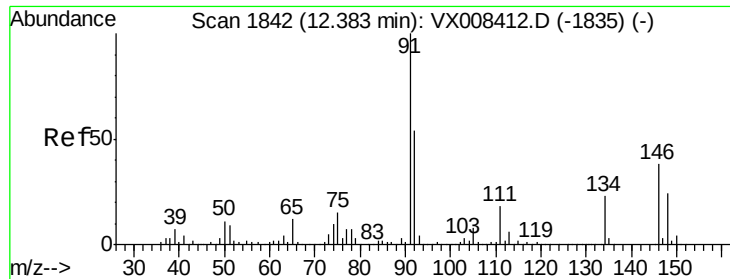
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#88
 1,4-Dichlorobenzene
 Concen: 15.690 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.3	61.0
148	65.6	32.1	96.5





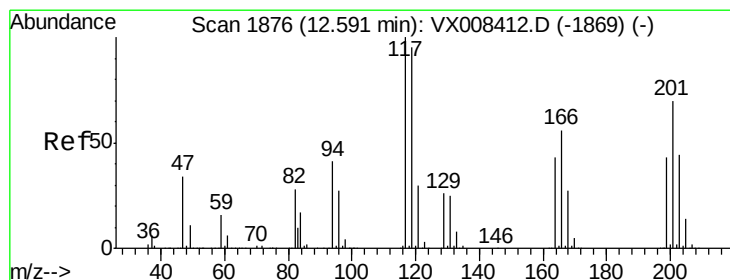
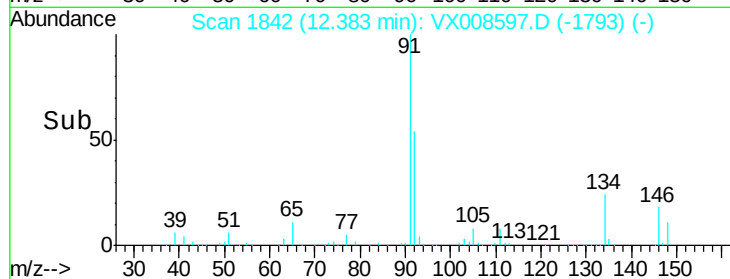
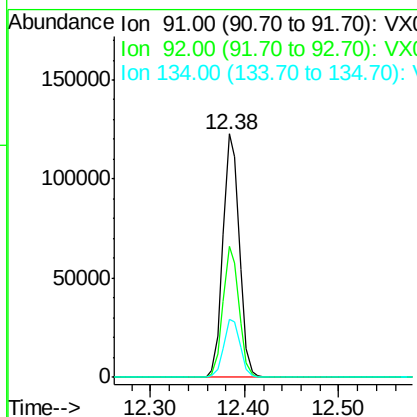
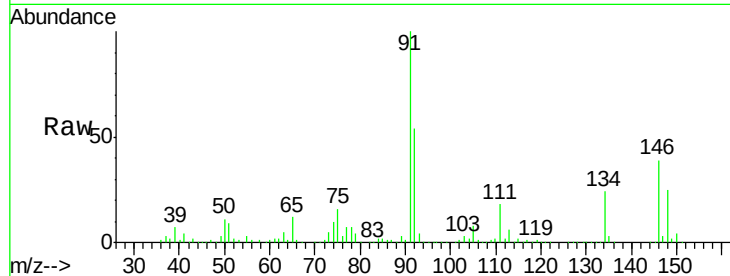
#89
n-Butylbenzene
Concen: 16.192 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.5	79.5
134	23.9	11.8	35.4

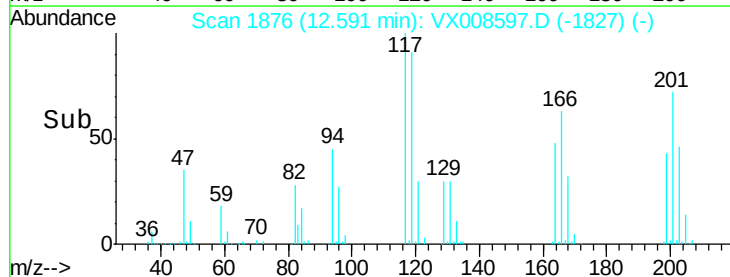
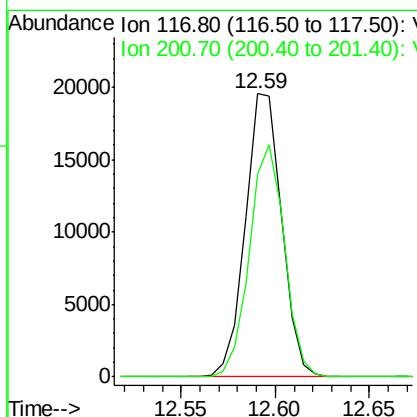
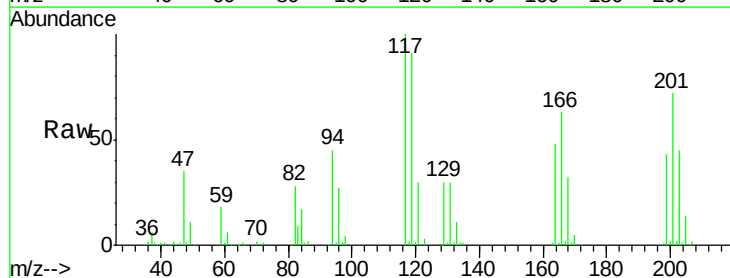
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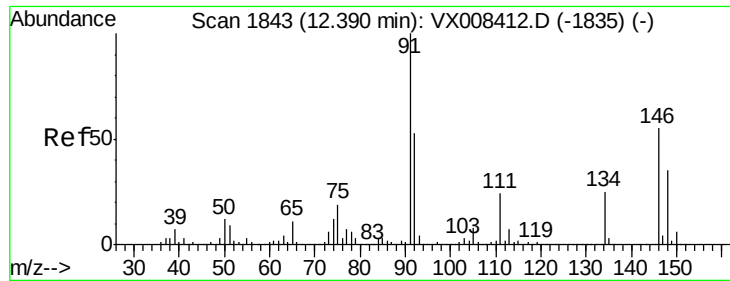
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#90
Hexachloroethane
Concen: 16.242 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX008597.D
Acq: 02 Apr 2019 17:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.8	39.4	118.1





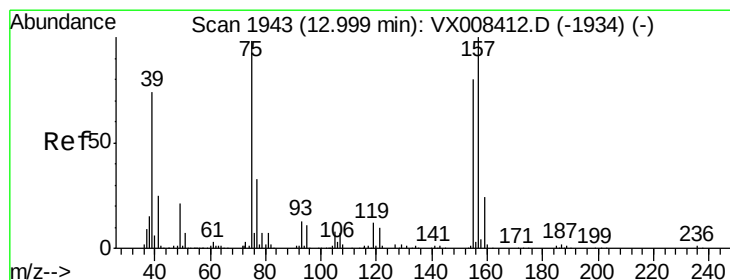
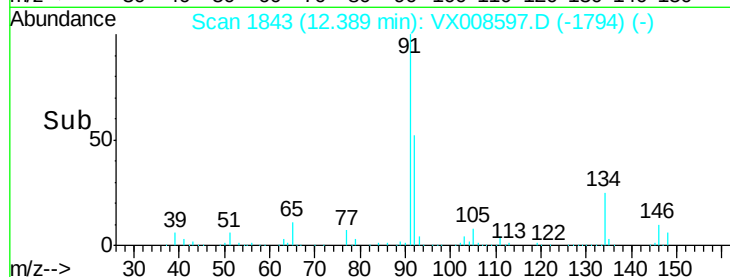
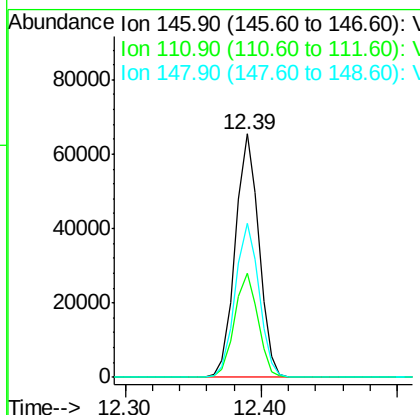
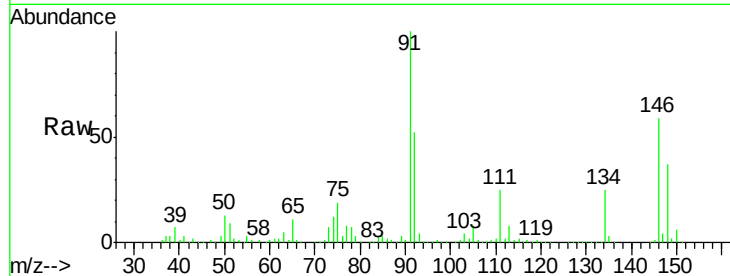
#91
 1,2-Dichlorobenzene
 Concen: 16.174 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Instrument :
 MSVOA_X
 ClientSampled :
 VX0402WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.6	64.6
148	64.1	31.9	95.7

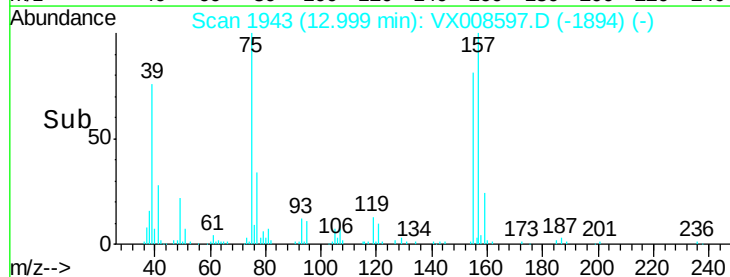
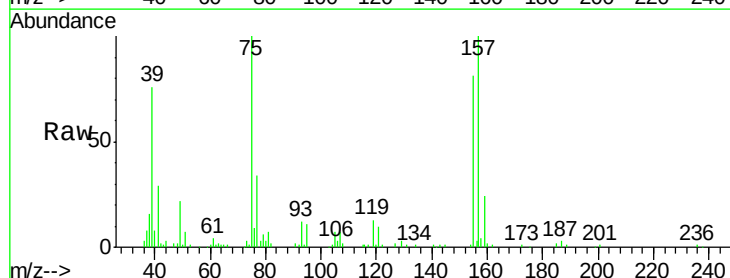
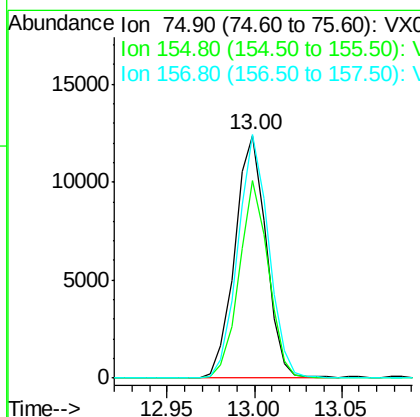
Manual Integrations
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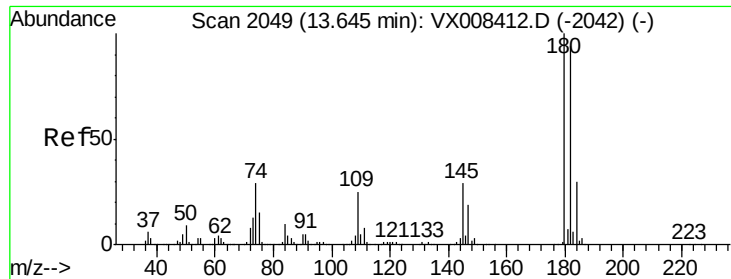
MMDadoda
 4/3/2019 10:51:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.087 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.5	39.5	118.5
157	99.0	49.9	149.7





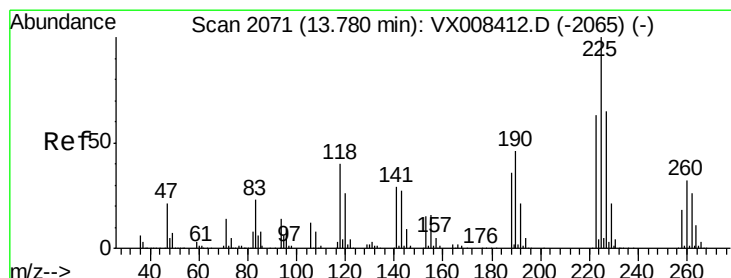
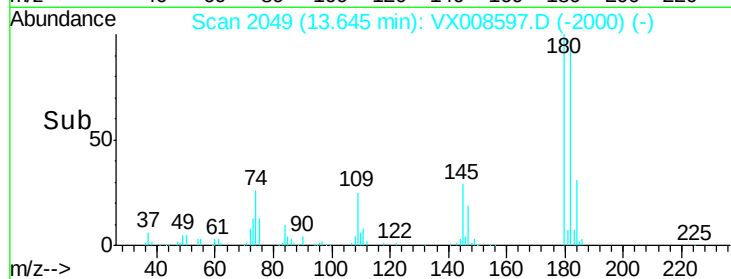
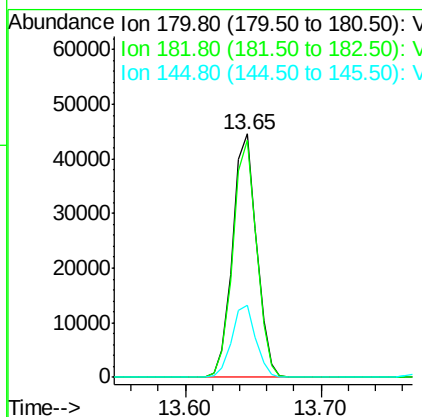
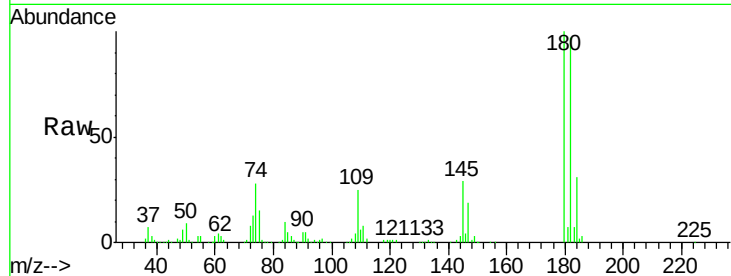
#93
 1,2,4-Trichlorobenzene
 Concen: 16.627 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS02

Tot Ion:	180	Resp:	54787
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.3	142.0
145	29.7	15.3	45.8

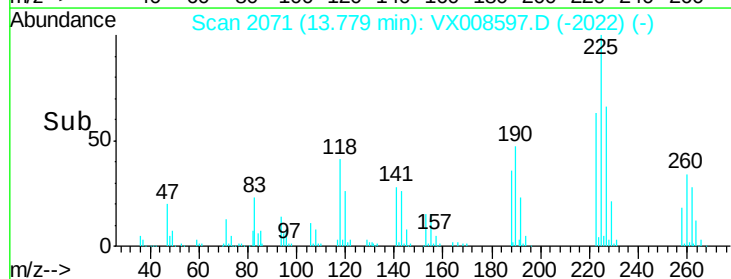
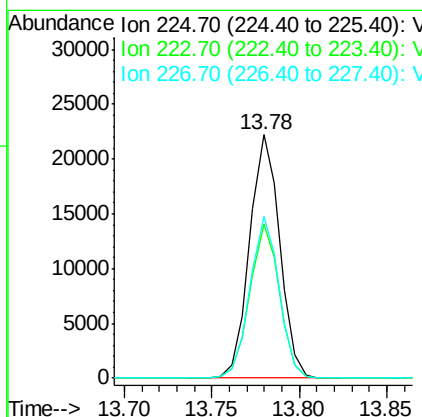
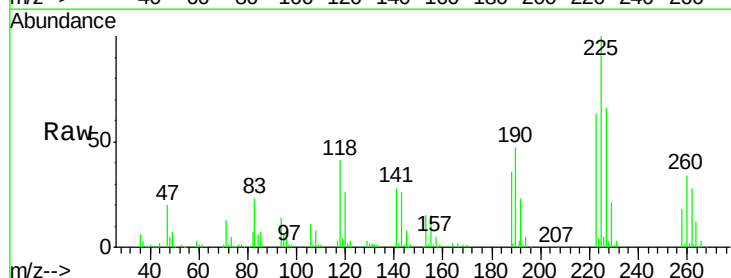
Manual Integrations
 APPROVED

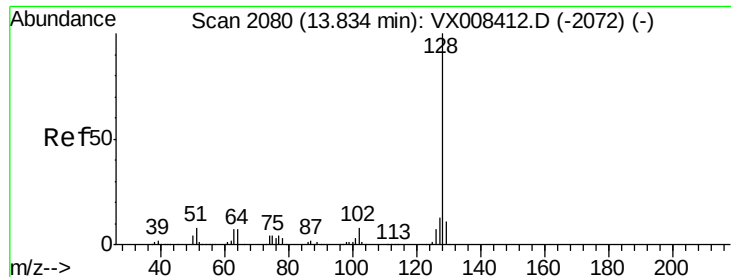
MMDadoda
 4/3/2019 10:51:26 AM



#94
 Hexachlorobutadiene
 Concen: 17.062 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008597.D
 Acq: 02 Apr 2019 17:52

Tgt Ion:	225	Resp:	26695
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.4	94.0
227	64.6	31.9	95.9





#95

Naphthalene

Concen: 16.639 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Instrument :

MSVOA_X

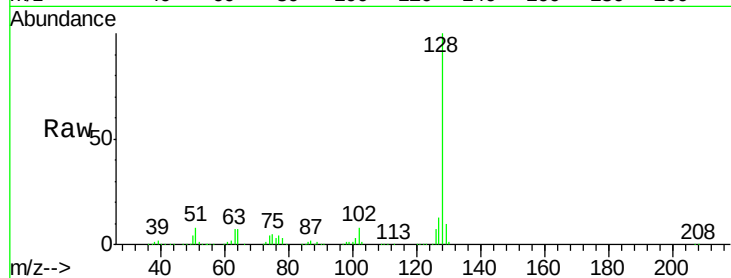
ClientSampleId :

VX0402WBS02

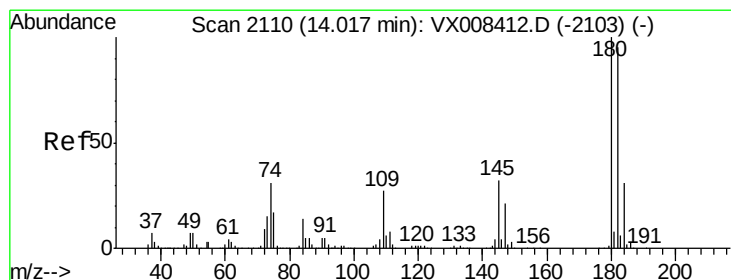
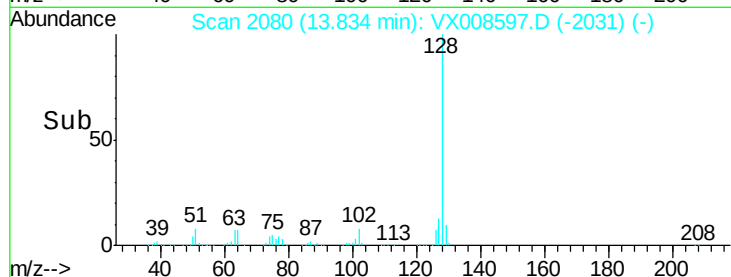
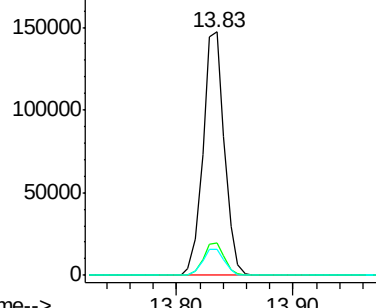
Tot Ion:	128	Resp:	187966
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/3/2019 10:51:26 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.850 ug/l

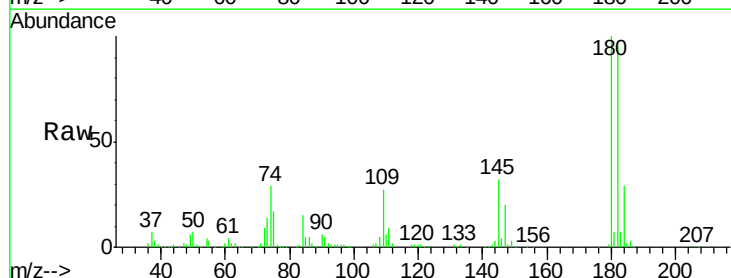
RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008597.D

Acq: 02 Apr 2019 17:52

Tgt Ion:	180	Resp:	55791
Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.3	142.0
145	32.1	16.2	48.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

