

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080719\
 Data File : VX011353.D
 Acq On : 07 Aug 2019 10:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 10:57:15 AM

Quant Time: Aug 08 07:14:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	178200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	257908	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134528	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	87848	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	5.49	113	78583	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
50) Toluene-d8	8.71	98	297164	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
62) 4-Bromofluorobenzene	11.13	95	113130	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	65441	47.548	ug/l	99
3) Chloromethane	1.32	50	69120	44.722	ug/l	97
4) Vinyl Chloride	1.40	62	77119	45.362	ug/l	99
5) Bromomethane	1.63	94	48271	39.811	ug/l	99
6) Chloroethane	1.71	64	51760	49.132	ug/l	99
7) Trichlorofluoromethane	1.92	101	142729	47.217	ug/l	98
8) Diethyl Ether	2.18	74	48072	44.536	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	80450	49.187	ug/l	98
10) Methyl Iodide	2.50	142	102287	49.604	ug/l	99
11) Tert butyl alcohol	3.04	59	89002	248.713	ug/l	99
12) 1,1-Dichloroethene	2.36	96	77466	47.779	ug/l	89
13) Acrolein	2.29	56	52331	235.287	ug/l	99
14) Allyl chloride	2.71	41	115802	53.576	ug/l	98
15) Acrylonitrile	3.13	53	210331	246.303	ug/l	99
16) Acetone	2.43	43	220471	258.108	ug/l	97
17) Carbon Disulfide	2.56	76	184972	48.617	ug/l	100
18) Methyl Acetate	2.76	43	95724	49.038	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	247079	51.712	ug/l	99
20) Methylene Chloride	2.85	84	85263	45.578	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	81449	47.490	ug/l	91
22) Diisopropyl ether	3.84	45	238990	50.308	ug/l	95
23) Vinyl Acetate	3.81	43	1060859	269.246	ug/l	99
24) 1,1-Dichloroethane	3.68	63	139727	49.881	ug/l	98
25) 2-Butanone	4.66	43	306950	252.619	ug/l	100
26) 2,2-Dichloropropane	4.57	77	120554	55.363	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	95597	48.392	ug/l	97
28) Bromochloromethane	5.01	49	60628	47.476	ug/l	97
29) Tetrahydrofuran	5.12	42	180679	242.516	ug/l	100
30) Chloroform	5.20	83	154606	50.782	ug/l	98
31) Cyclohexane	5.57	56	114967	49.747	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	136966	52.517	ug/l	99
36) 1,1-Dichloropropene	5.79	75	111661	49.588	ug/l	98
37) Ethyl Acetate	4.82	43	110616	48.973	ug/l	98
38) Carbon Tetrachloride	5.77	117	122850	54.228	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	132160	49.515	ug/l	100
40) Benzene	6.13	78	335478	49.926	ug/l	98
41) Methacrylonitrile	5.03	41	60947	49.408	ug/l	98
42) 1,2-Dichloroethane	6.18	62	120294	52.942	ug/l	98
43) Isopropyl Acetate	6.43	43	184008	50.956	ug/l	99
44) Trichloroethene	7.21	130	99776	49.057	ug/l	99
45) 1,2-Dichloropropane	7.51	63	86002	49.420	ug/l	99
46) Dibromomethane	7.65	93	61560	48.457	ug/l	97
47) Bromodichloromethane	7.89	83	117416	54.590	ug/l	99
48) Methyl methacrylate	7.76	41	90751	53.400	ug/l	97
49) 1,4-Dioxane	7.73	88	45532	924.159	ug/l	97
51) 4-Methyl-2-Pentanone	8.63	43	605803	259.946	ug/l	100
52) Toluene	8.78	92	225049	50.656	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	129481	51.595	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	138542	55.141	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	93483	51.177	ug/l	99
56) Ethyl methacrylate	9.17	69	140633	54.026	ug/l	99
57) 1,3-Dichloropropane	9.37	76	145153	50.246	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	358212	279.873	ug/l	99
59) 2-Hexanone	9.49	43	482234	267.148	ug/l	98
60) Dibromochloromethane	9.58	129	103832	55.521	ug/l	98
61) 1,2-Dibromoethane	9.67	107	103021	52.202	ug/l	97
64) Tetrachloroethene	9.33	164	100546	48.774	ug/l	95
65) Chlorobenzene	10.13	112	255348	49.061	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	93560	52.507	ug/l	98
67) Ethyl Benzene	10.25	91	450912	51.731	ug/l	99
68) m/p-Xylenes	10.35	106	347839	103.169	ug/l	98
69) o-Xylene	10.69	106	167047	50.427	ug/l	97
70) Styrene	10.71	104	293051	53.464	ug/l	98
71) Bromoform	10.85	173	78884	49.541	ug/l #	100
73) Isopropylbenzene	11.01	105	462260	50.241	ug/l	99
74) N-amyl acetate	10.90	43	173687	52.244	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	145087	47.319	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	125817m	51.356	ug/l	
77) Bromobenzene	11.25	156	125373	49.140	ug/l	96
78) n-propylbenzene	11.36	91	529395	51.740	ug/l	99
79) 2-Chlorotoluene	11.42	91	306810	50.309	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	394411	51.209	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	45027	49.161	ug/l	100
82) 4-Chlorotoluene	11.51	91	363486	51.143	ug/l	98
83) tert-Butylbenzene	11.77	119	384239	50.866	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	395063	51.519	ug/l	100
85) sec-Butylbenzene	11.94	105	464140	51.141	ug/l	100
86) p-Isopropyltoluene	12.06	119	435775	52.192	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	225797	50.089	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	227876	49.022	ug/l	99
89) n-Butylbenzene	12.38	91	379473	52.754	ug/l	99
90) Hexachloroethane	12.59	117	66953	54.239	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	222915	49.214	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	30766	51.791	ug/l	96

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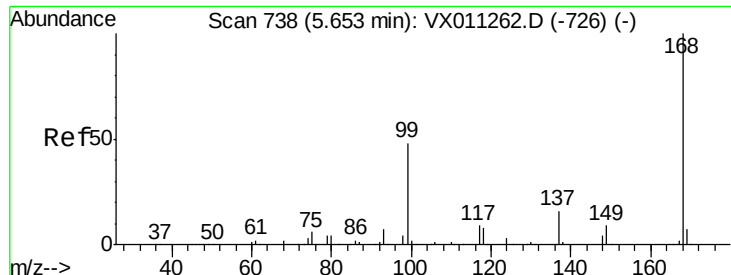
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	157157	52.318	ug/l	99
94) Hexachlorobutadiene	13.78	225	74644	48.978	ug/l	99
95) Naphthalene	13.83	128	460314	52.401	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	156360	51.201	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 178200

Ion Ratio Lower Upper

168 100

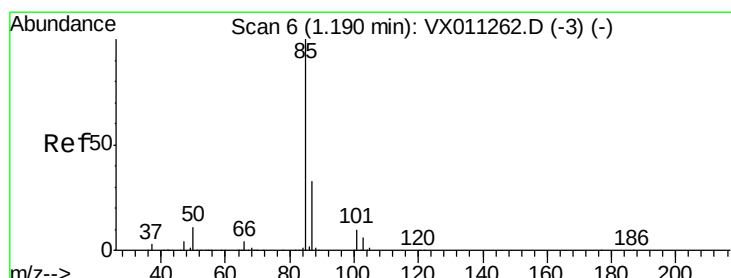
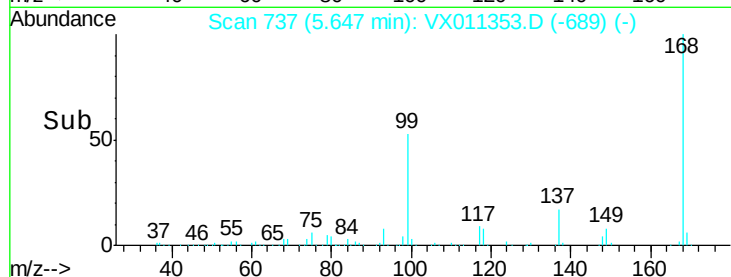
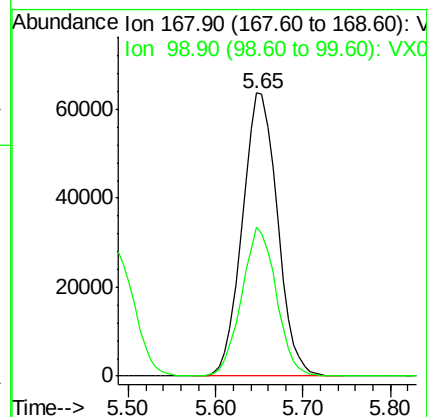
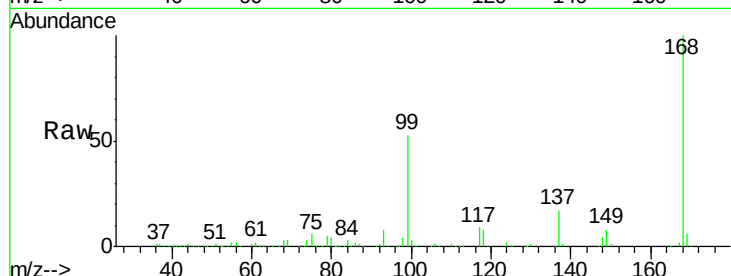
99 52.5 38.5 57.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 47.548 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011353.D

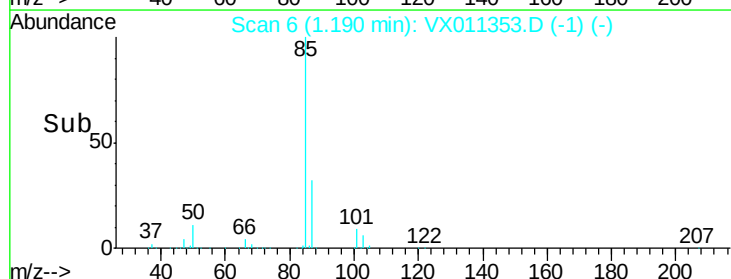
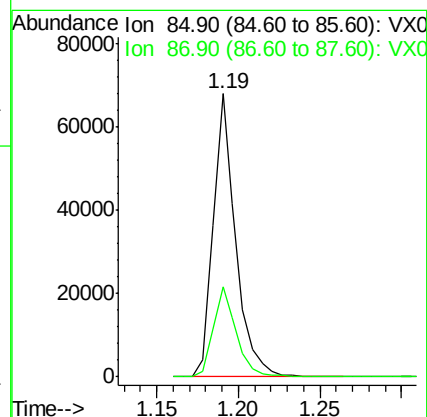
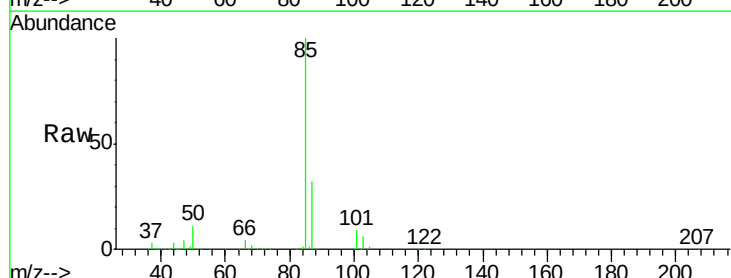
Acq: 07 Aug 2019 10:53

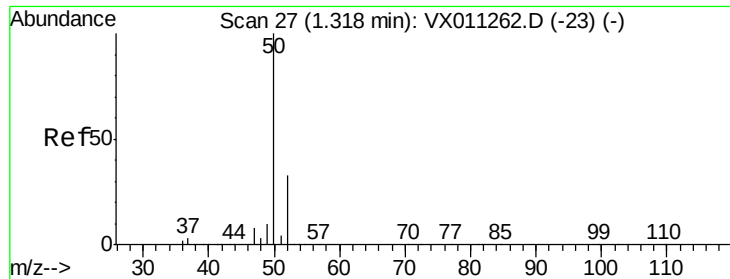
Tgt Ion: 85 Resp: 65441

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.1





#3

Chloromethane

Concen: 44.722 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 69120

Ion Ratio Lower Upper

50 100

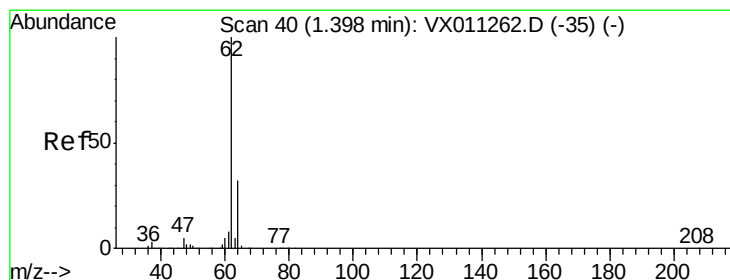
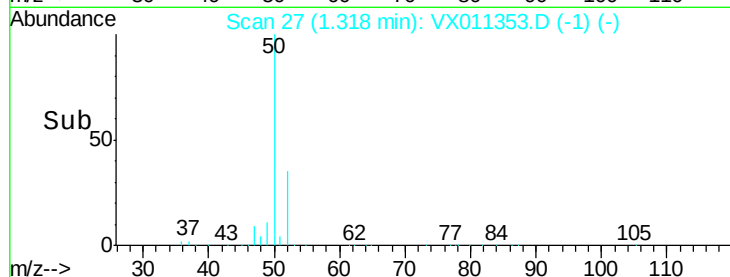
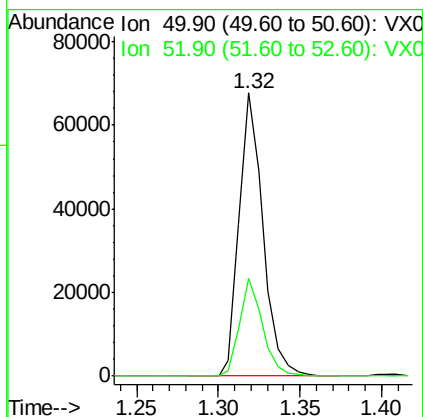
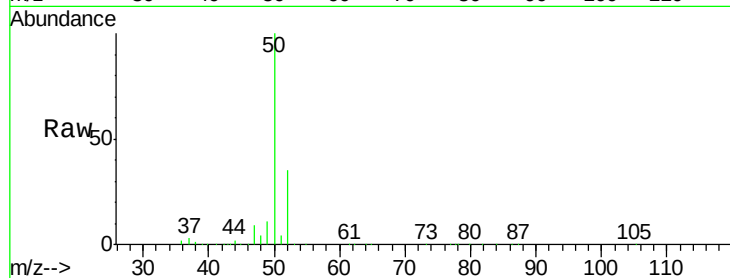
52 34.5 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.362 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011353.D

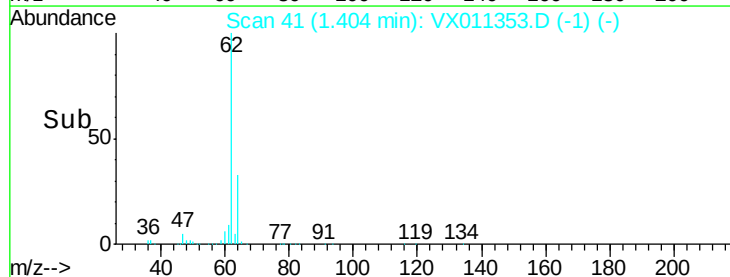
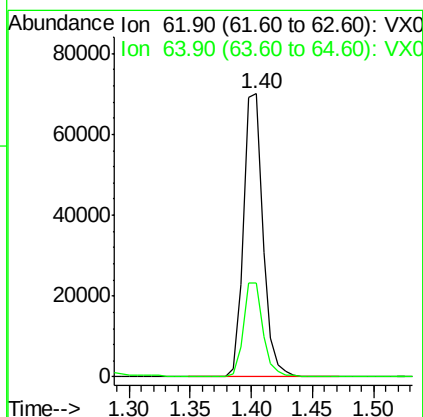
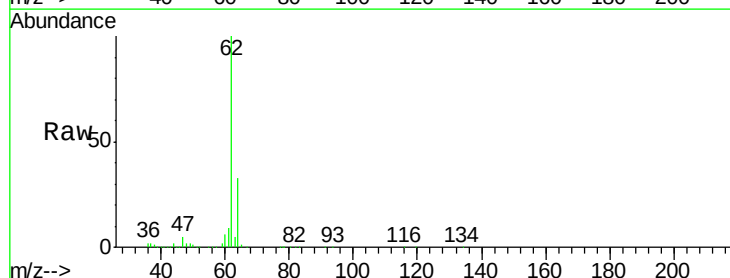
Acq: 07 Aug 2019 10:53

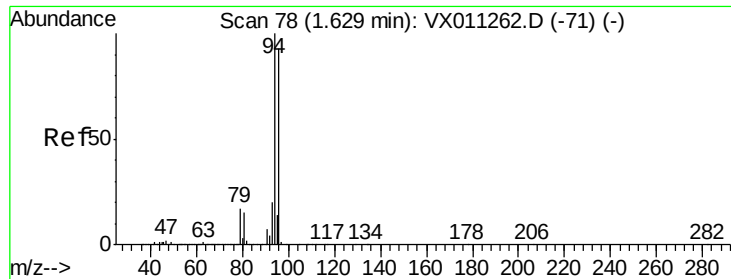
Tgt Ion: 62 Resp: 77119

Ion Ratio Lower Upper

62 100

64 32.8 26.0 39.0





#5

Bromomethane

Concen: 39.811 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 48271

Ion Ratio Lower Upper

94 100

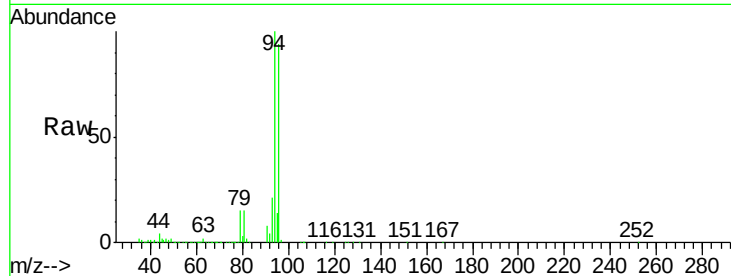
96 94.2 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

60000

50000

40000

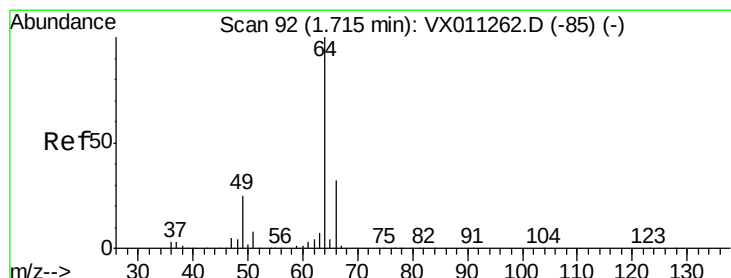
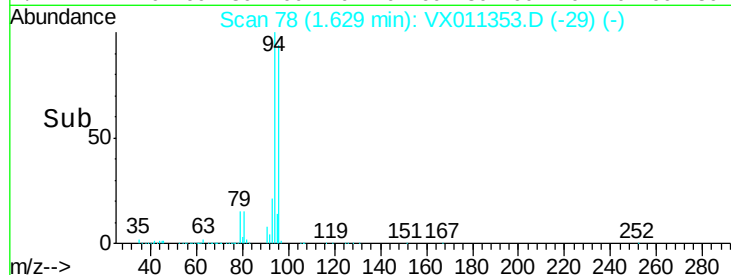
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 49.132 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011353.D

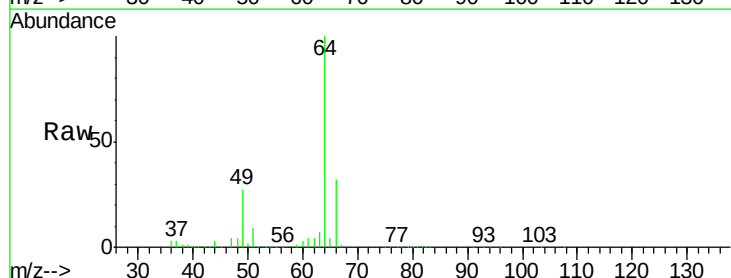
Acq: 07 Aug 2019 10:53

Tgt Ion: 64 Resp: 51760

Ion Ratio Lower Upper

64 100

66 31.7 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

40000

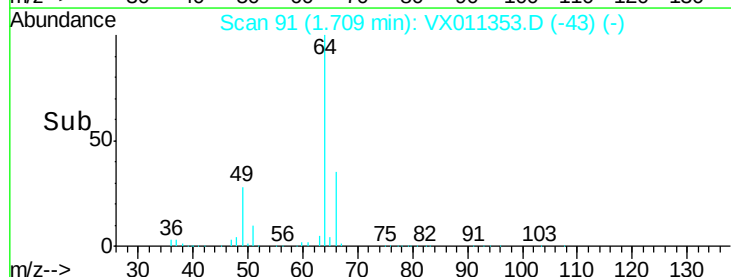
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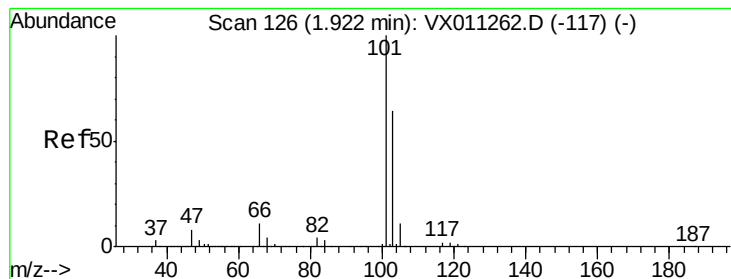
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10000

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Time-->





#7

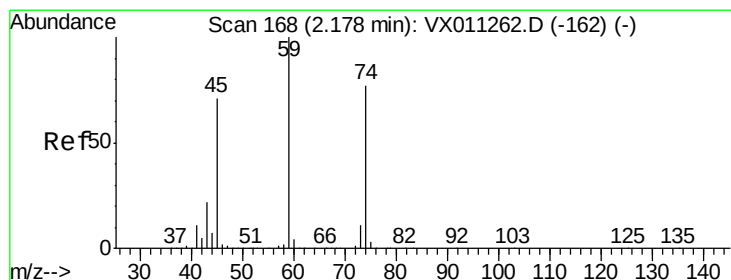
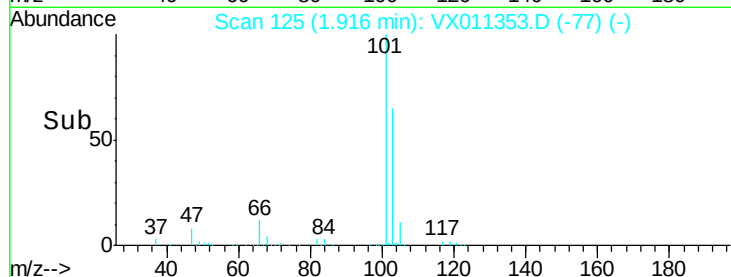
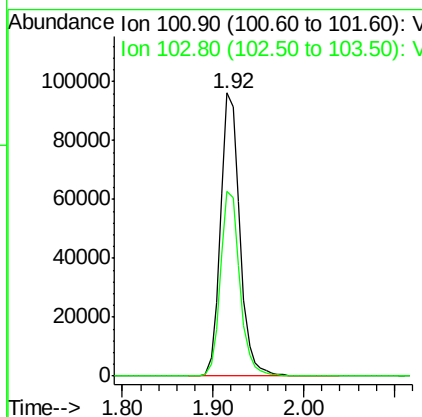
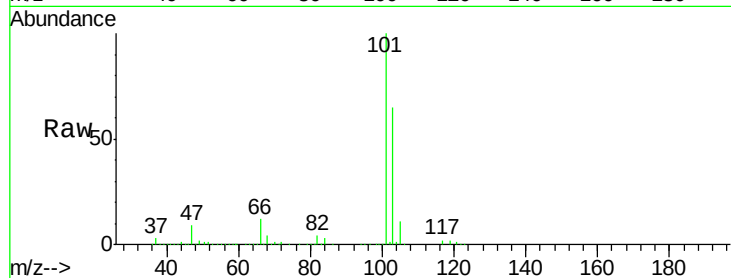
Trichlorofluoromethane
Concen: 47.217 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	50.9	76.3

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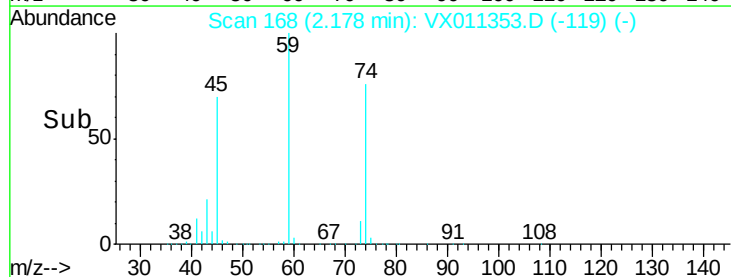
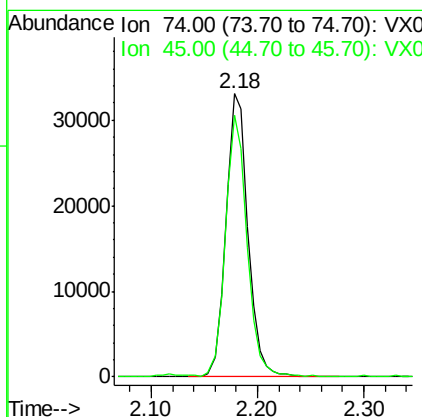
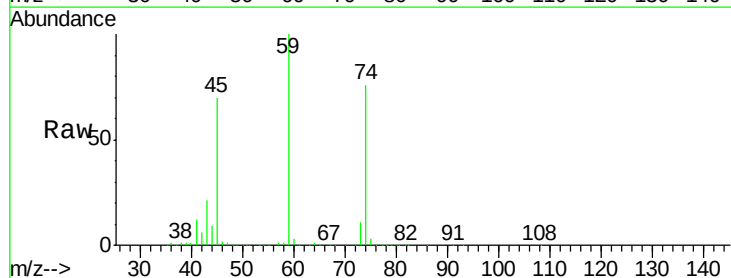
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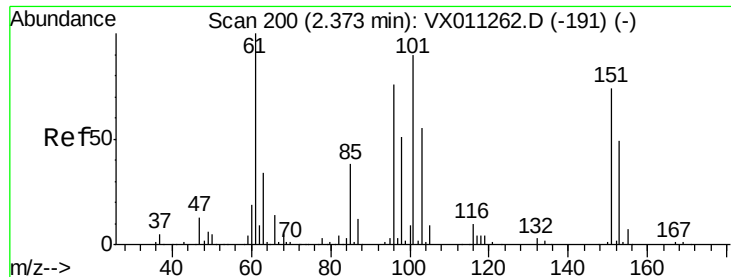


#8

Diethyl Ether
Concen: 44.536 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.5	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.187 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

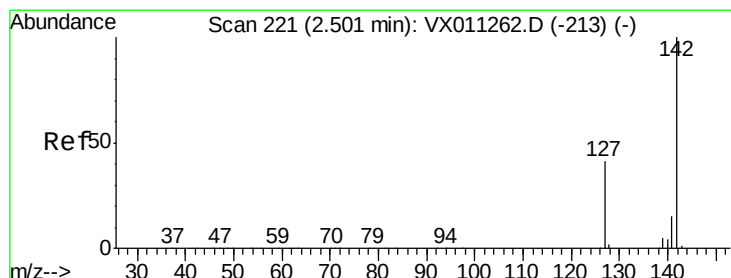
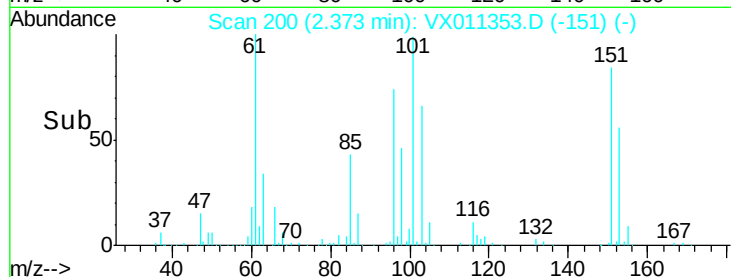
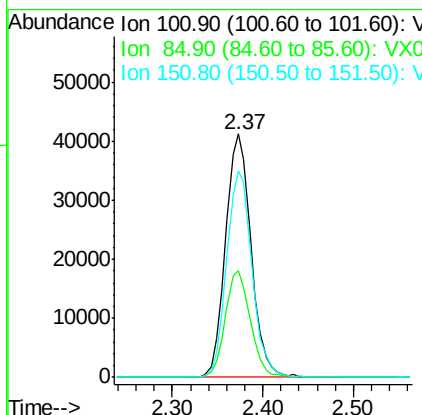
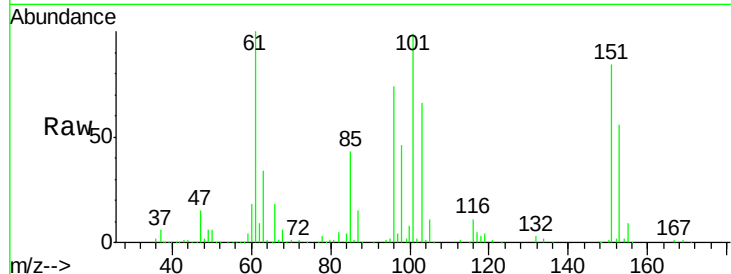
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	80450
Ion Ratio	Lower	Upper	
101	100		
85	43.1	33.8	50.6
151	84.6	69.5	104.3

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8/8/2019 10:57:15 AM



#10

Methyl Iodide

Concen: 49.604 ug/l

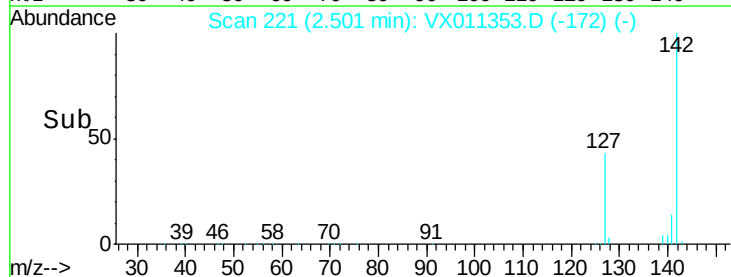
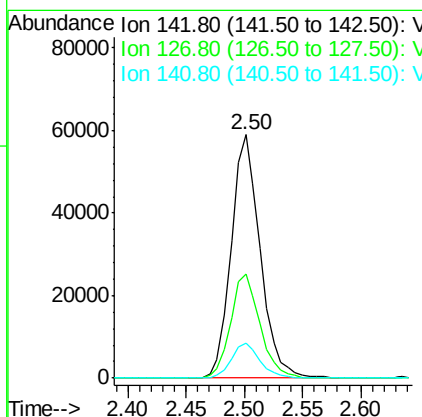
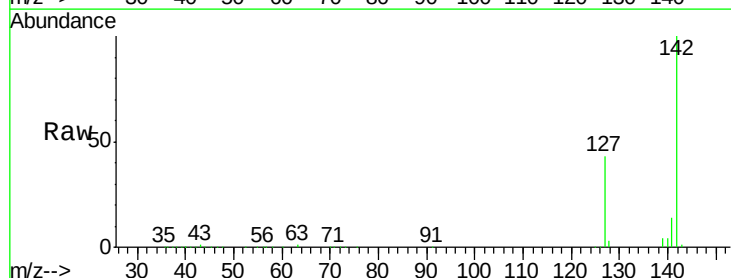
RT: 2.50 min Scan# 221

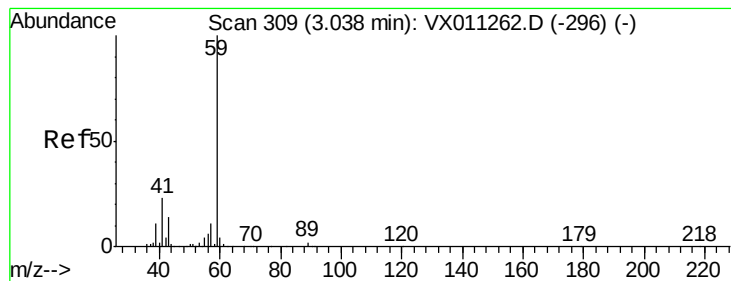
Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Tgt Ion:	142	Resp:	102287
Ion Ratio	Lower	Upper	
142	100		
127	43.4	33.8	50.8
141	14.3	11.4	17.2





#11

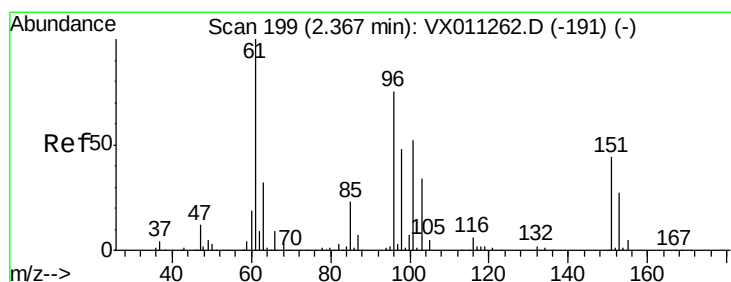
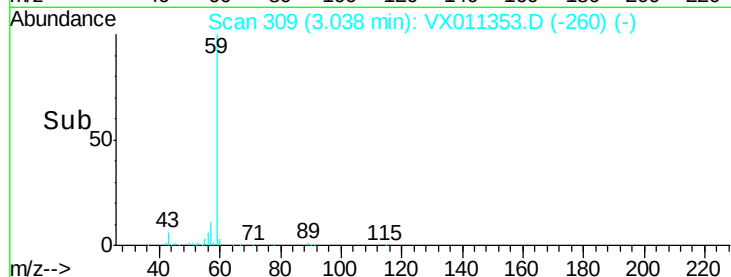
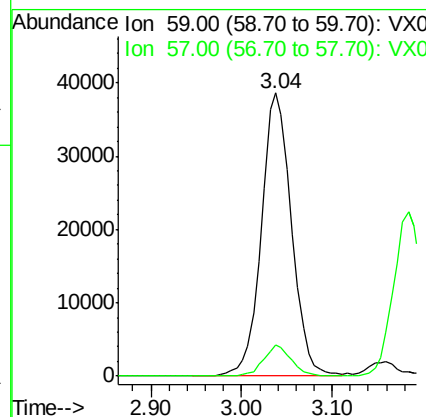
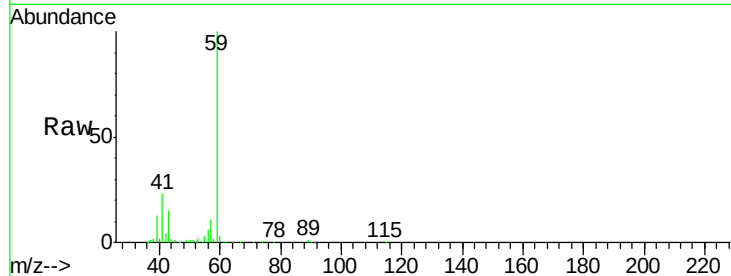
Tert butyl alcohol
Concen: 248.713 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

Manual Integrations
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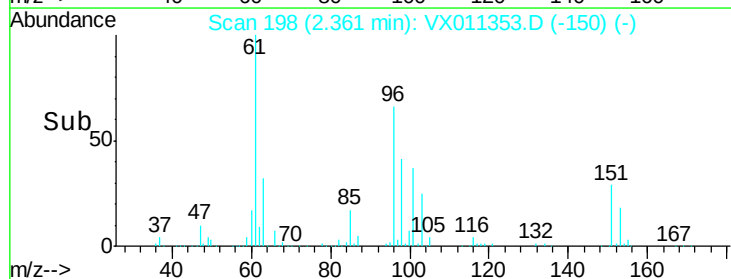
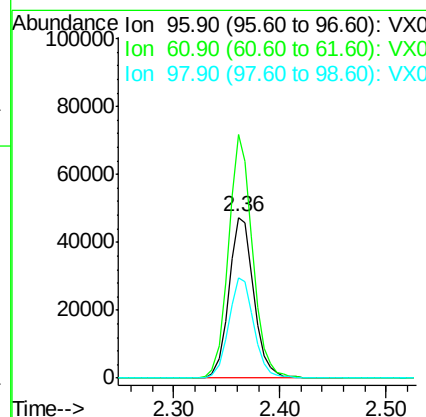
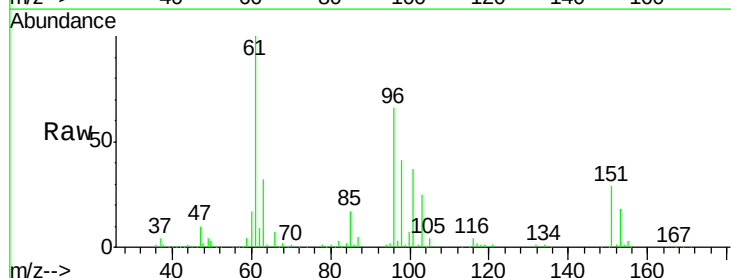
MMDadoda
8/8/2019 10:57:15 AM

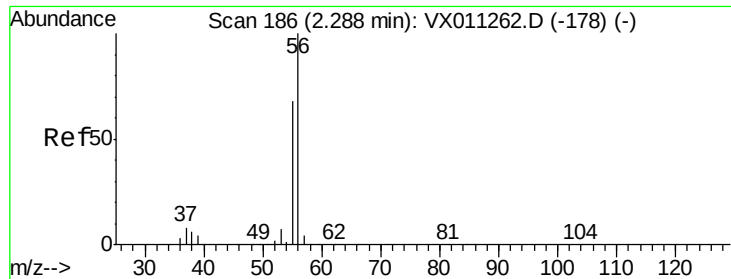


#12

1,1-Dichloroethene
Concen: 47.779 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.8	106.2	159.2
98	62.6	50.6	75.8





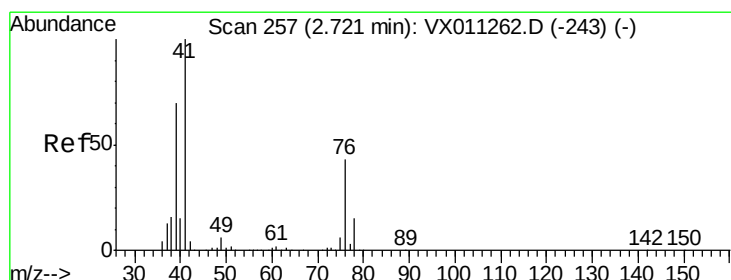
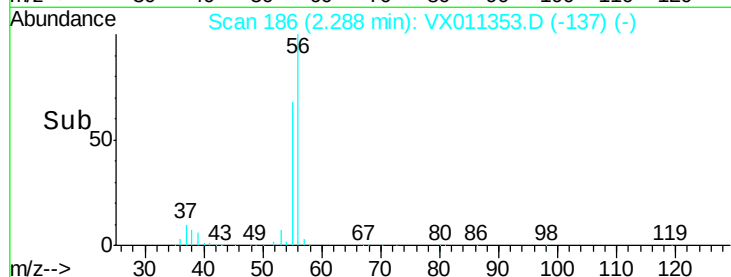
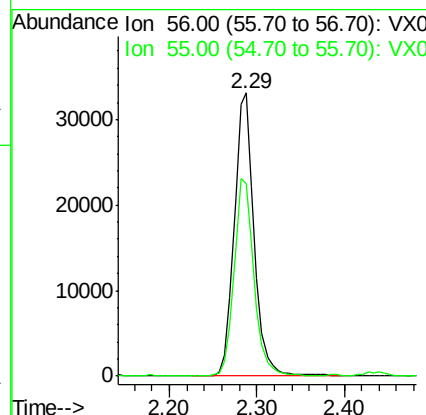
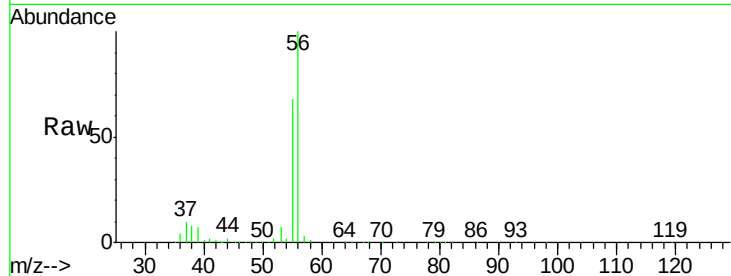
#13
Acrolein
Concen: 235.287 ug/l
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.1	56.0	84.0

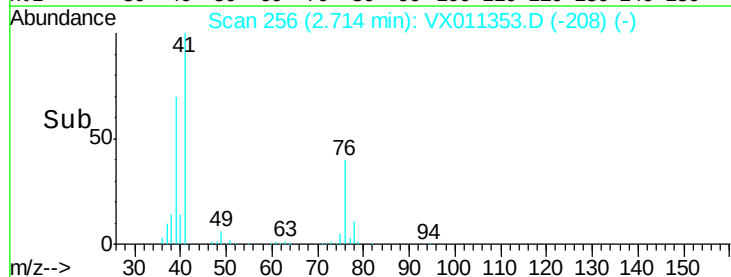
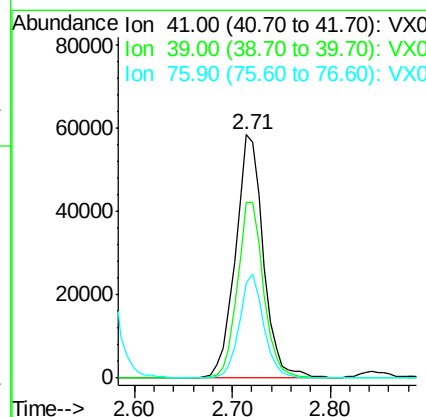
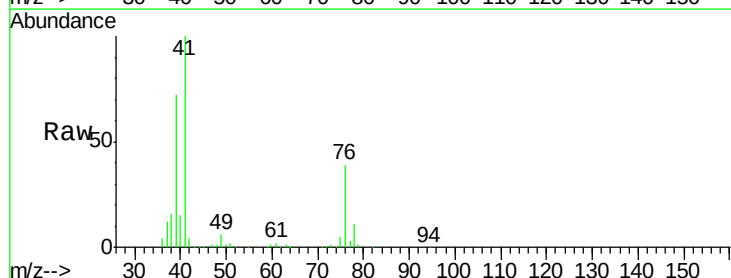
Manual Integrations
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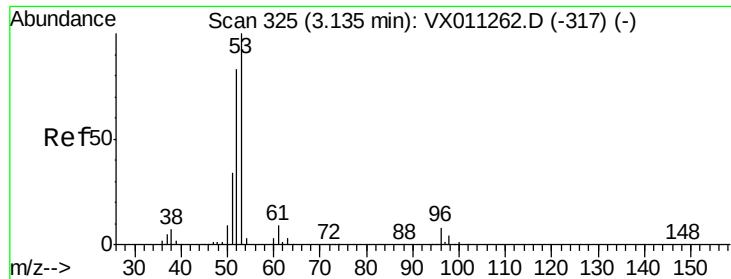
MMDadoda
8/8/2019 10:57:15 AM



#14
Allyl chloride
Concen: 53.576 ug/l
RT: 2.71 min Scan# 256
Delta R.T. -0.01 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.0	52.8	79.2
76	37.4	31.1	46.7





#15

Acrylonitrile

Concen: 246.303 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

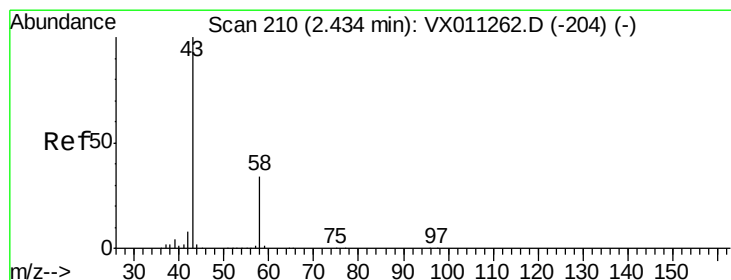
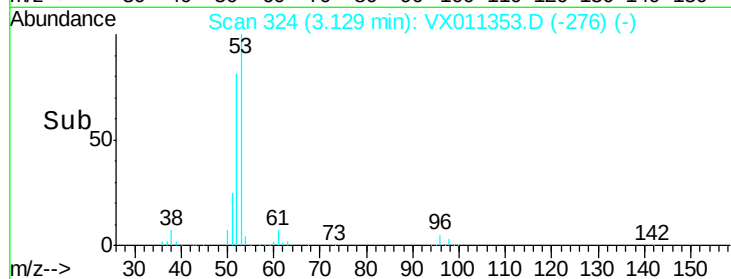
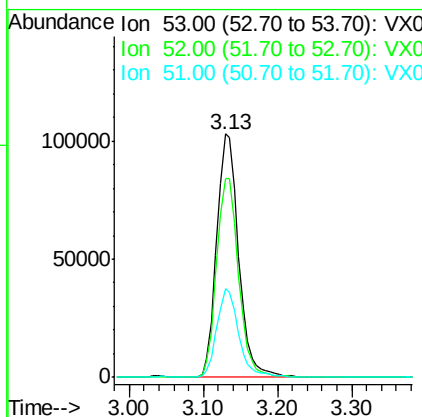
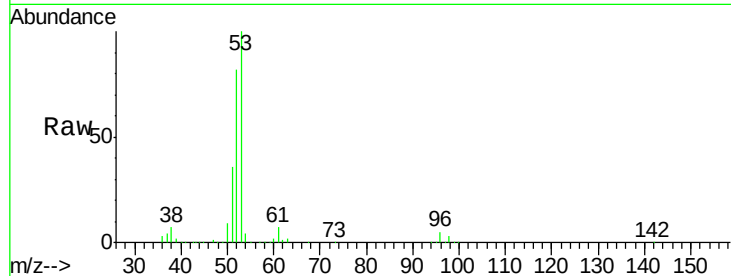
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	210331
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.5	98.3
51	36.1	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 258.108 ug/l

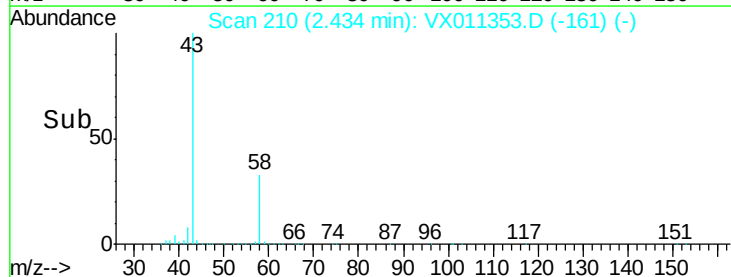
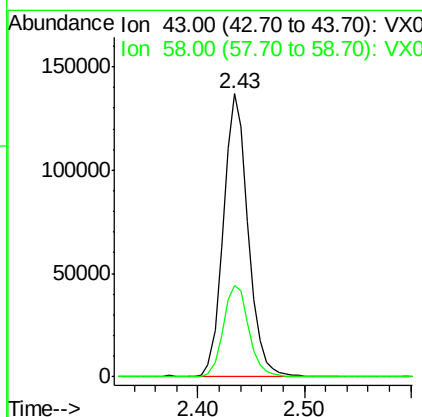
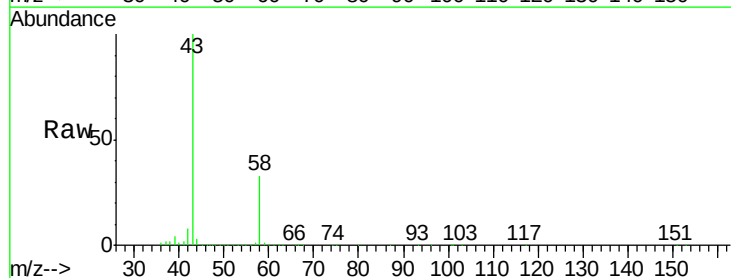
RT: 2.43 min Scan# 210

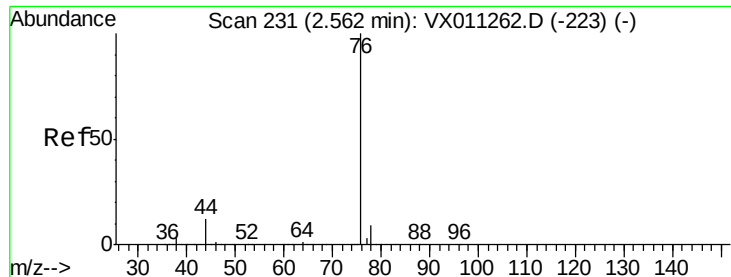
Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Tgt Ion:	43	Resp:	220471
Ion Ratio	Lower	Upper	
43	100		
58	32.5	27.4	41.0





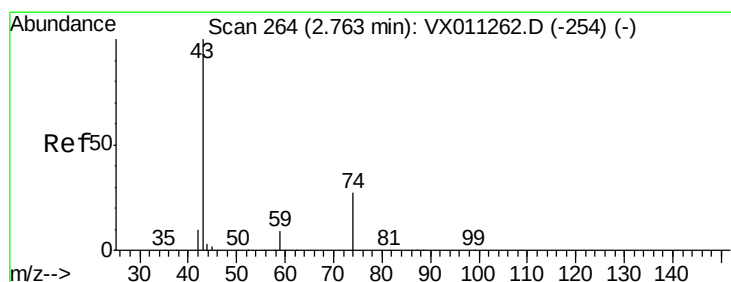
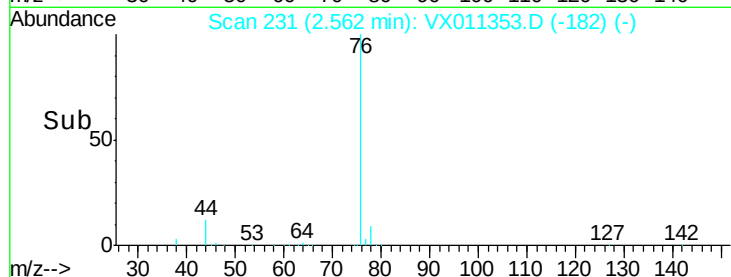
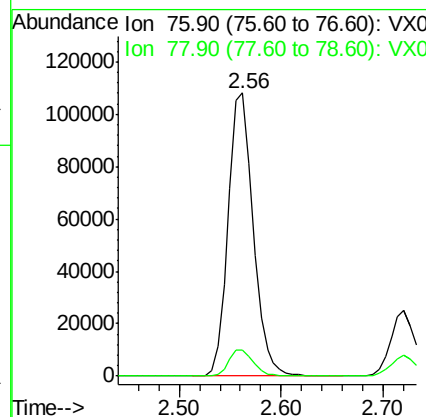
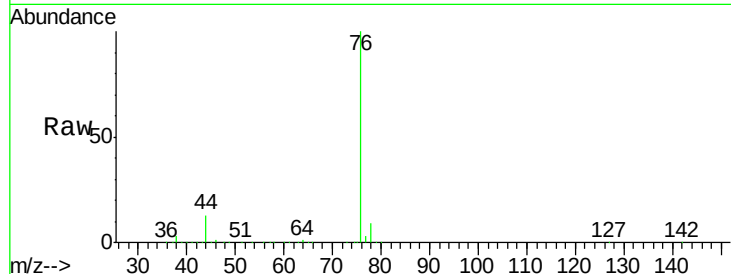
#17
Carbon Disulfide
Concen: 48.617 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

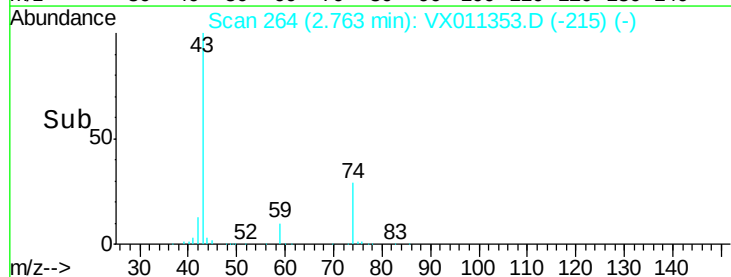
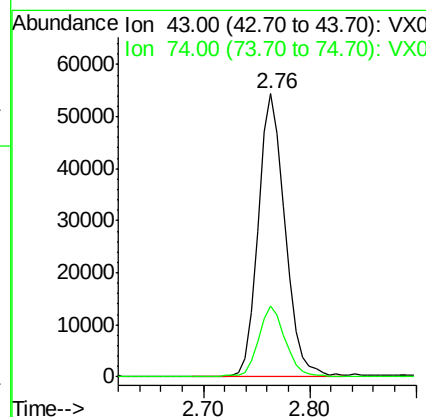
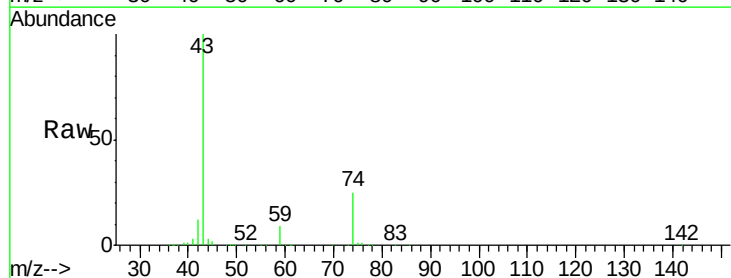
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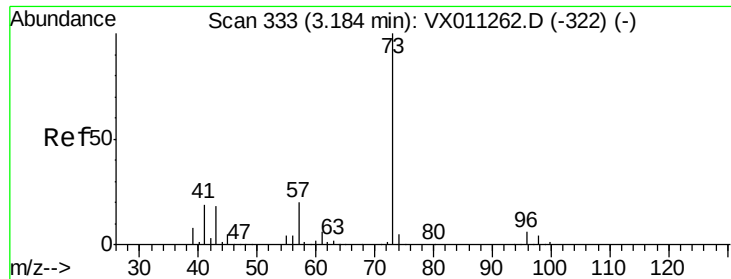
MMDadoda
8/8/2019 10:57:15 AM



#18
Methyl Acetate
Concen: 49.038 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	21.0	31.6





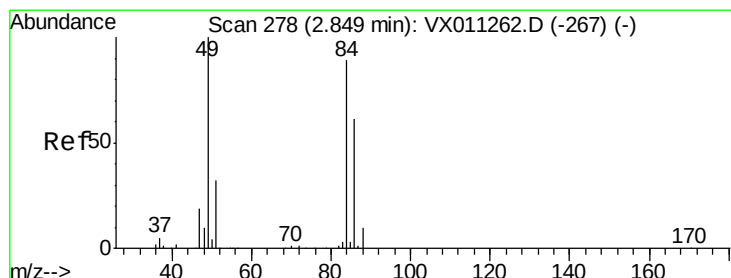
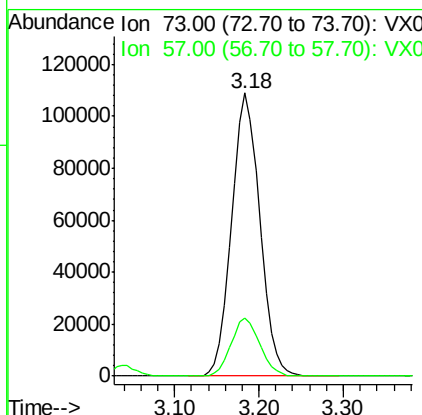
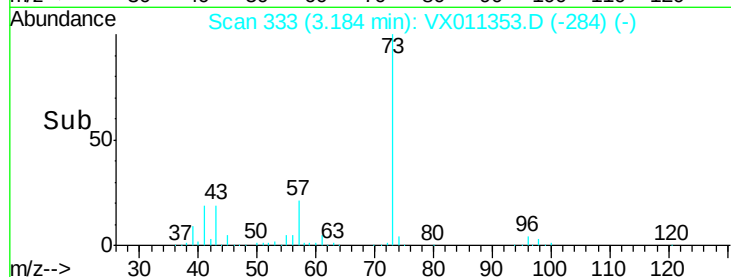
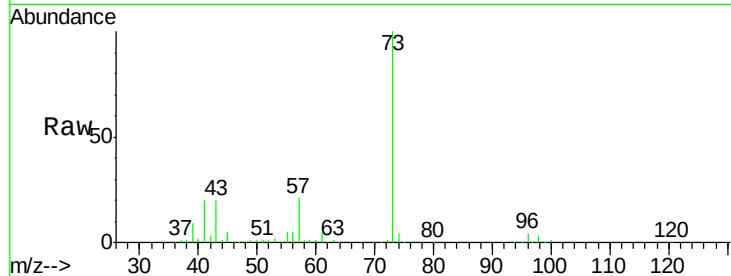
#19
Methyl tert-butyl Ether
Concen: 51.712 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	16.2	24.2

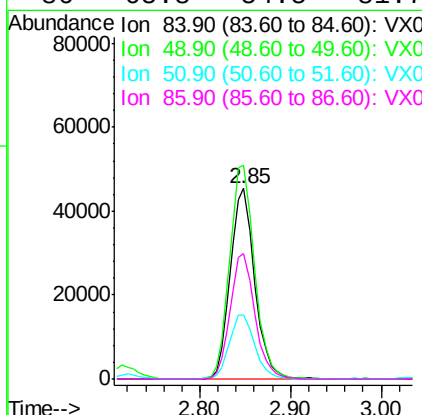
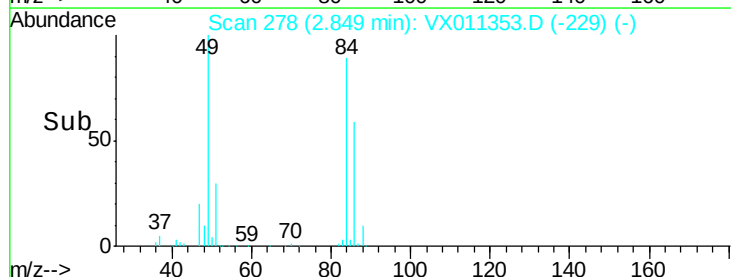
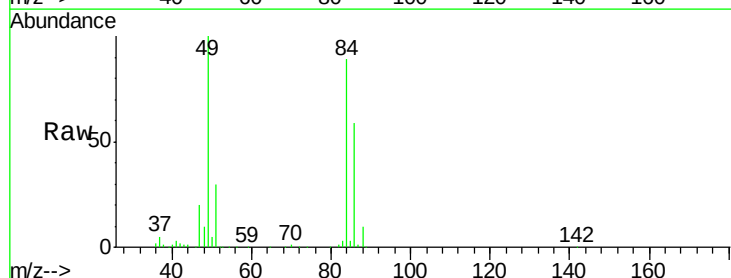
Manual Integrations
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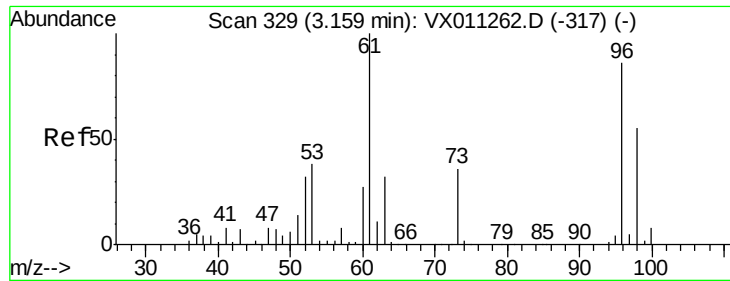
MMDadoda
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#20
Methylene Chloride
Concen: 45.578 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.0	89.3	133.9
51	33.7	28.3	42.5
86	65.8	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 47.490 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 81449

Ion Ratio Lower Upper

96 100

61 130.8 92.8 139.2

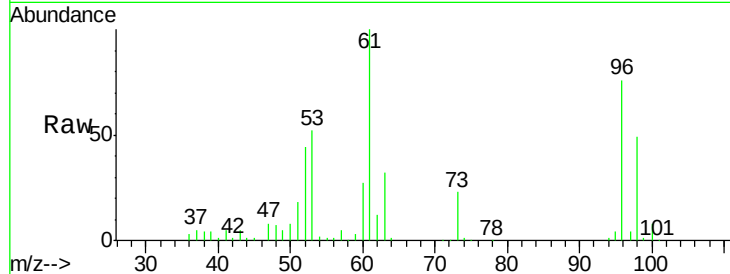
98 64.0 51.2 76.8

Manual Integrations

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MMDadoda

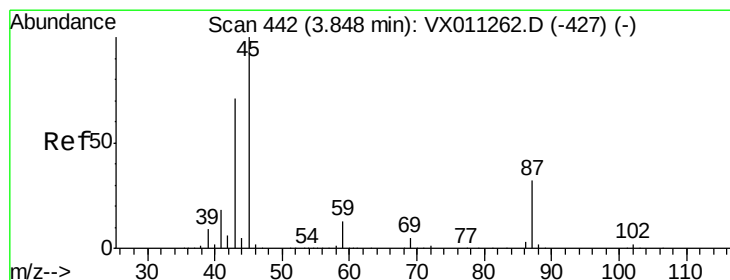
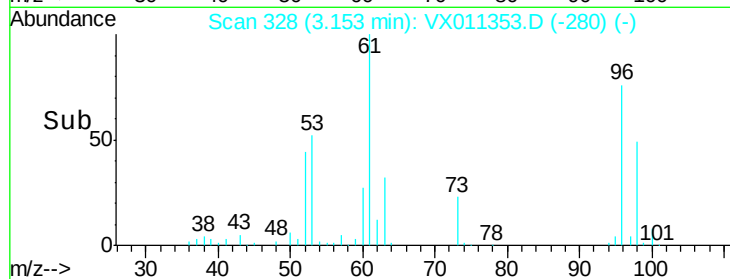
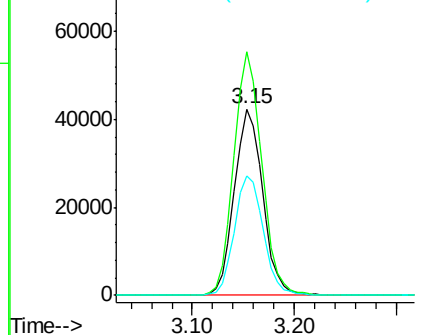
8/8/2019 10:57:15 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.308 ug/l

RT: 3.84 min Scan# 441

Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Tgt Ion: 45 Resp: 238990

Ion Ratio Lower Upper

45 100

43 77.3 56.8 85.2

87 32.4 25.8 38.6

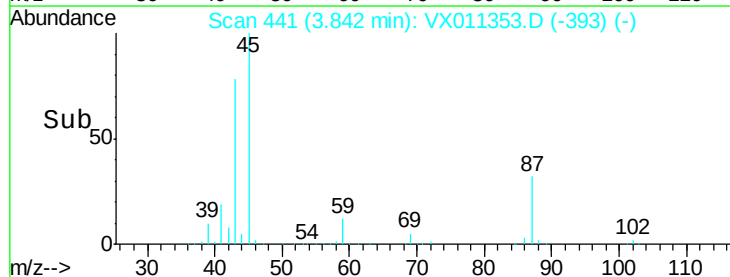
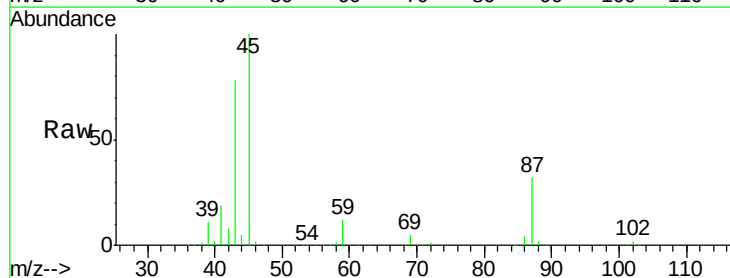
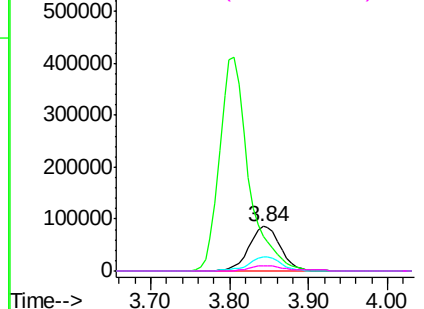
59 12.4 10.3 15.5

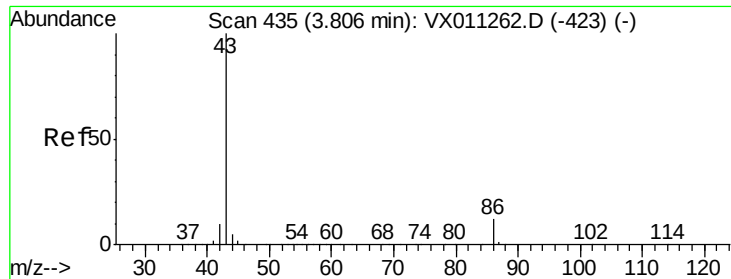
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





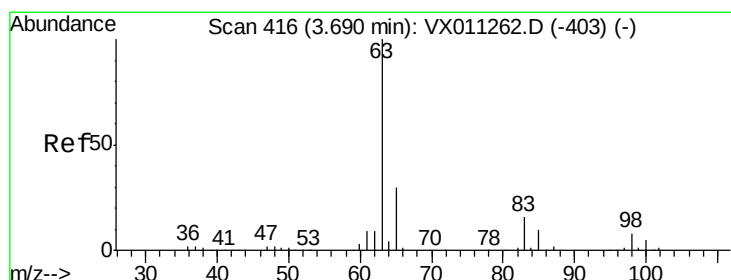
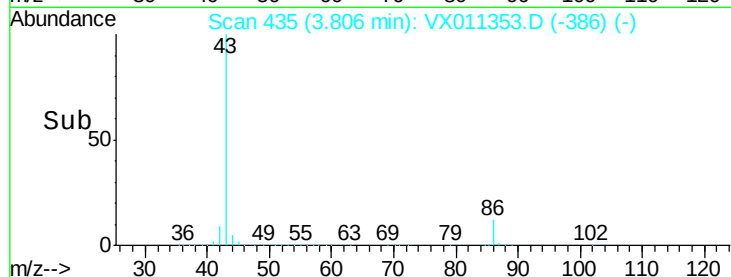
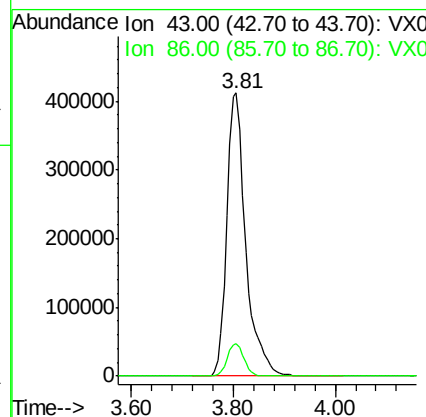
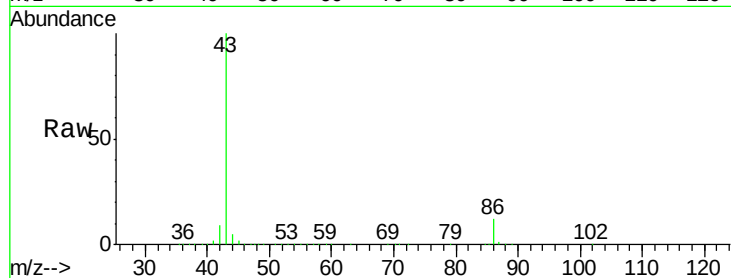
#23
 Vinyl Acetate
 Concen: 269.246 ug/l
 RT: 3.81 min Scan# 435
 Delta R.T. 0.00 min
 Lab File: VX011353.D
 Acq: 07 Aug 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1060859
 Ion Ratio Lower Upper
 43 100
 86 11.6 9.6 14.4

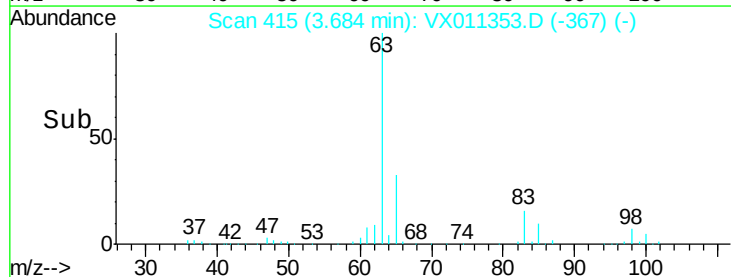
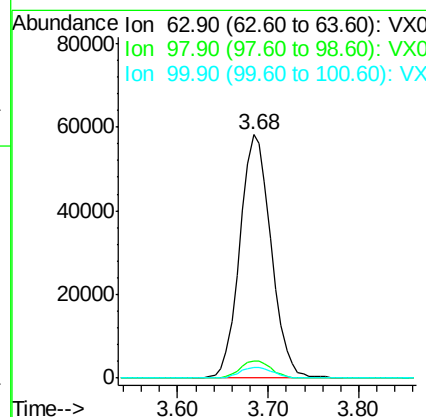
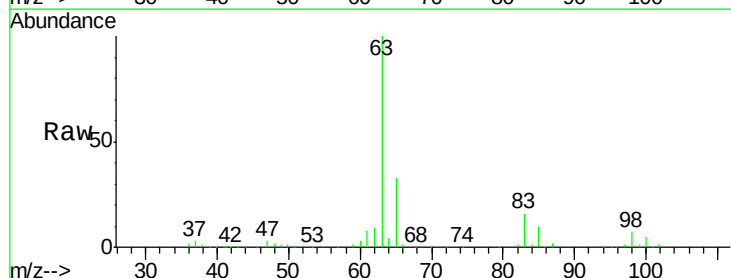
Manual Integrations
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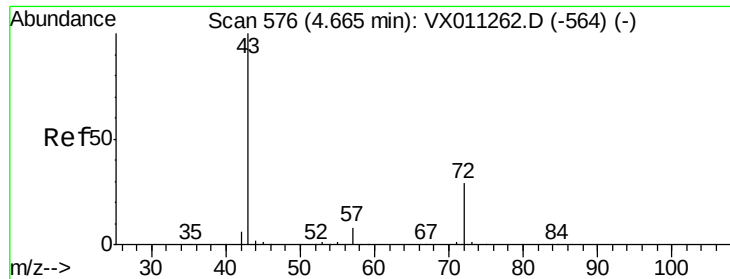
MMDadoda
 8/8/2019 10:57:15 AM



#24
 1,1-Dichloroethane
 Concen: 49.881 ug/l
 RT: 3.68 min Scan# 415
 Delta R.T. -0.01 min
 Lab File: VX011353.D
 Acq: 07 Aug 2019 10:53

Tgt Ion: 63 Resp: 139727
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.9 11.5
 100 4.6 2.7 8.1





#25

2-Butanone

Concen: 252.619 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 306950

Ion Ratio Lower Upper

43 100

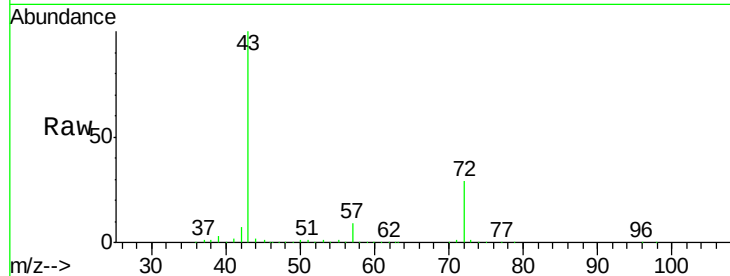
72 29.3 23.2 34.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

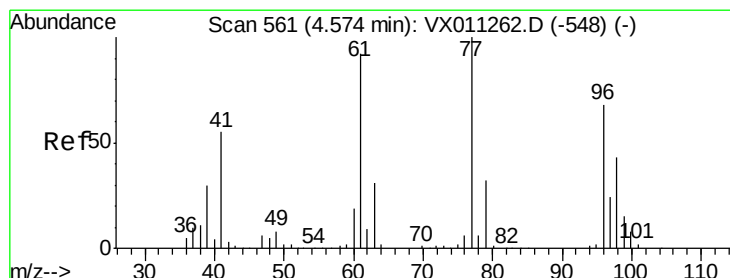
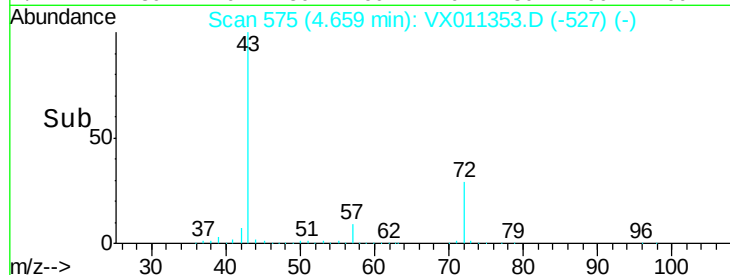
20000

0

4.66

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 55.363 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011353.D

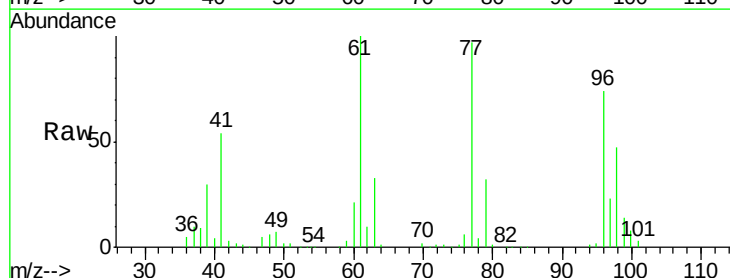
Acq: 07 Aug 2019 10:53

Tgt Ion: 77 Resp: 120554

Ion Ratio Lower Upper

77 100

97 24.5 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

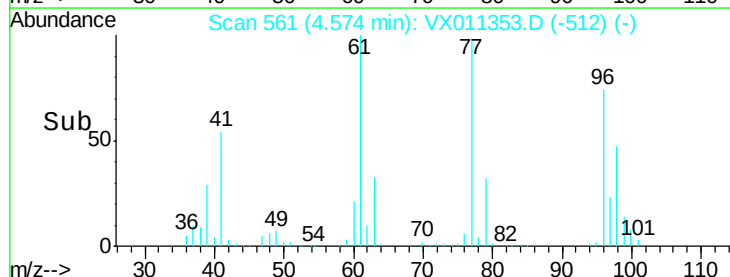
10000

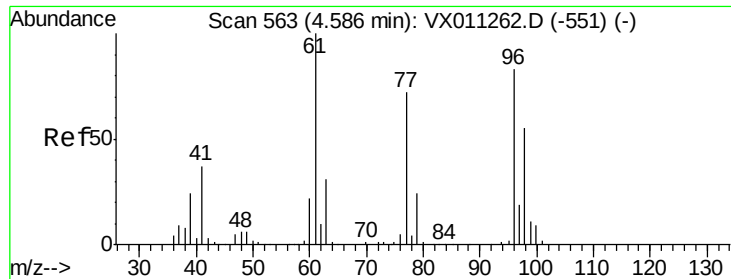
0

4.57

4.40 4.50 4.60 4.70

Time-->





#27

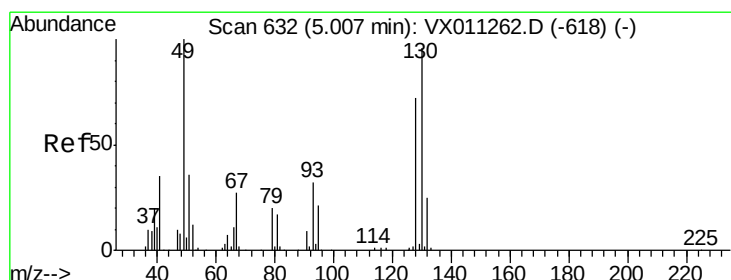
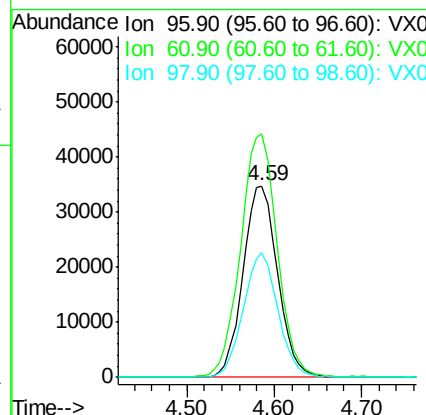
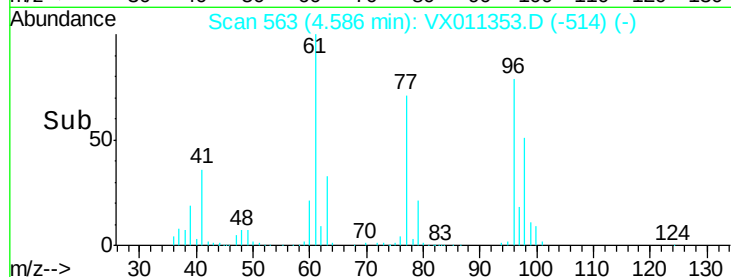
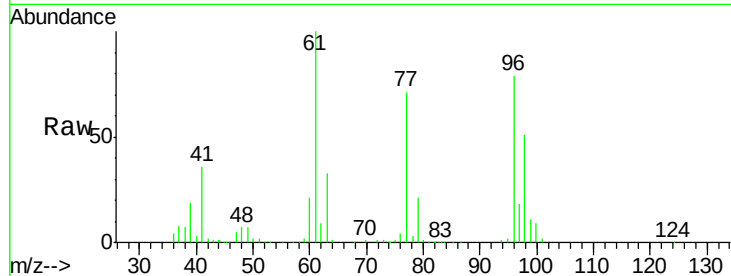
cis-1,2-Dichloroethene
Concen: 48.392 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.6	0.0	260.2
98	65.3	0.0	133.2

Manual Integrations
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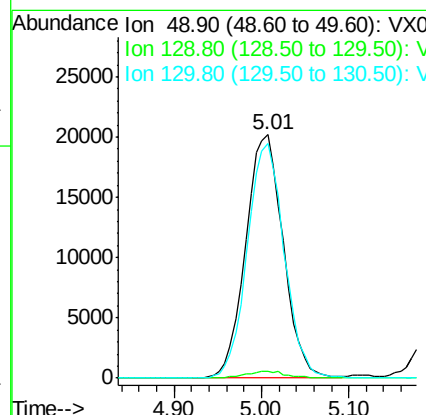
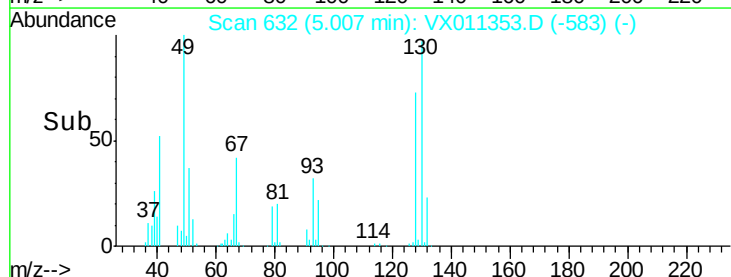
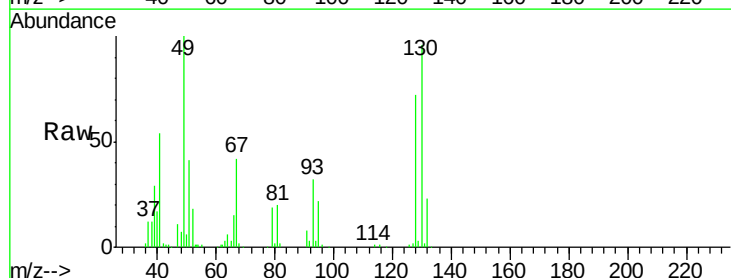
MMDadoda
8/8/2019 10:57:15 AM

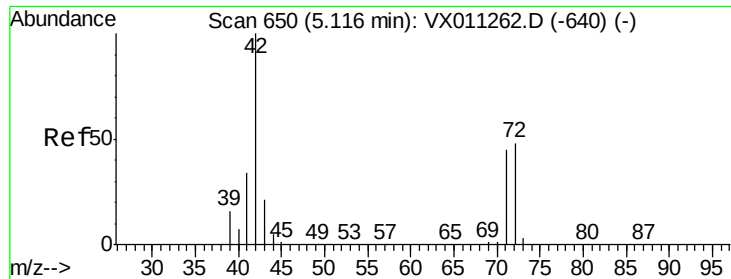


#28

Bromochloromethane
Concen: 47.476 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.8
130	94.5	77.9	116.9





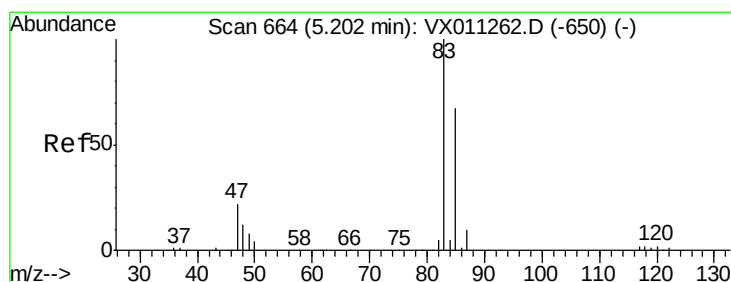
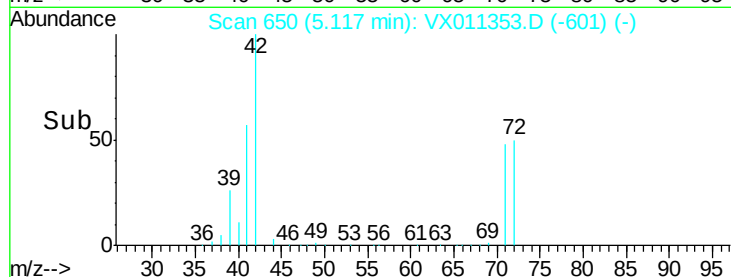
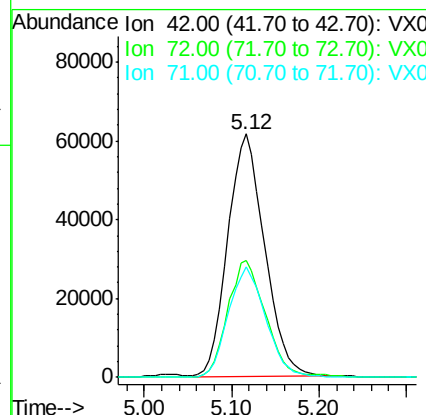
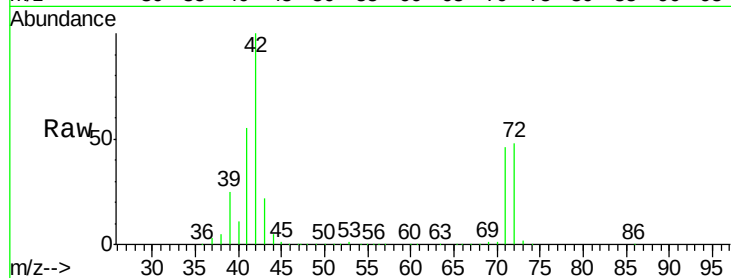
#29
Tetrahydrofuran
Concen: 242.516 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.5	39.9	59.9
71	46.2	36.9	55.3

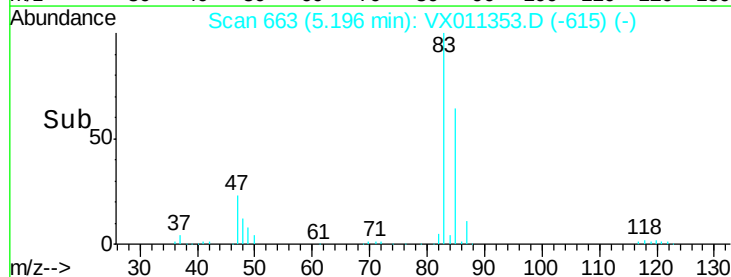
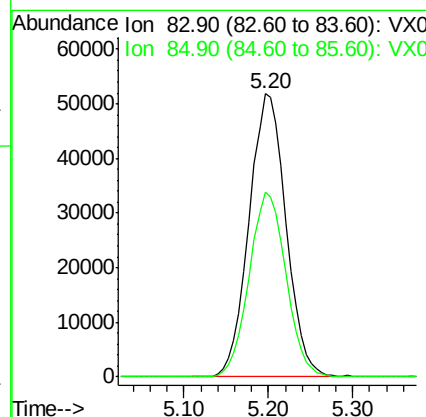
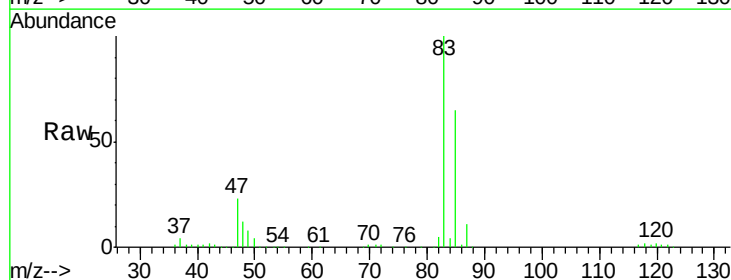
Manual Integrations
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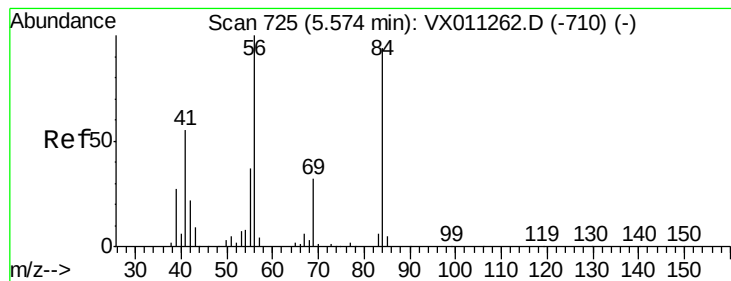
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#30
Chloroform
Concen: 50.782 ug/l
RT: 5.20 min Scan# 663
Delta R.T. -0.01 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.4	80.0





#31

Cyclohexane

Concen: 49.747 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

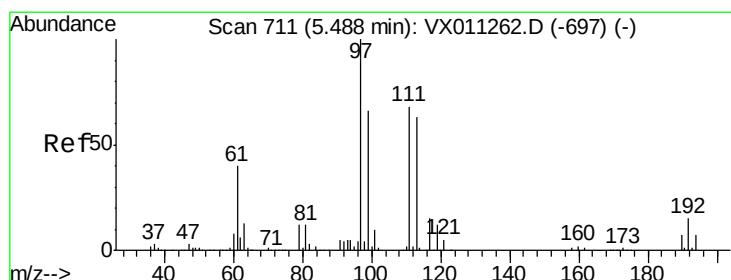
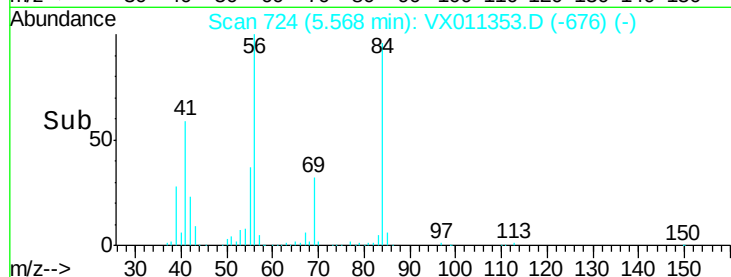
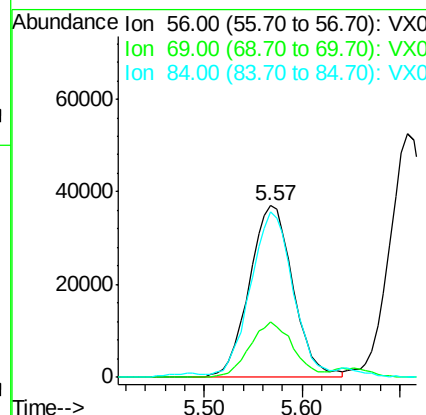
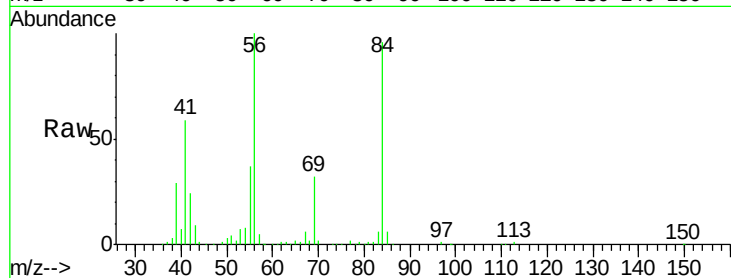
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	114967
Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.5	38.3
84	94.3	75.0	112.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.517 ug/l

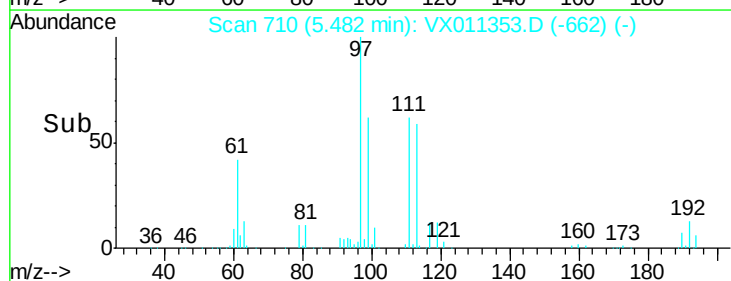
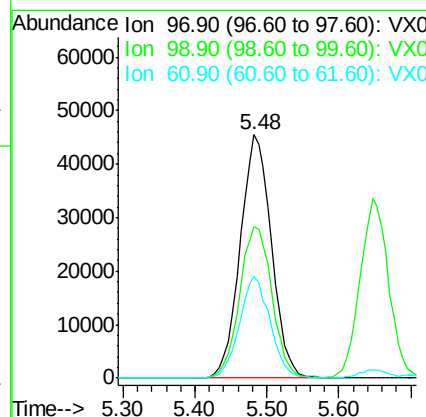
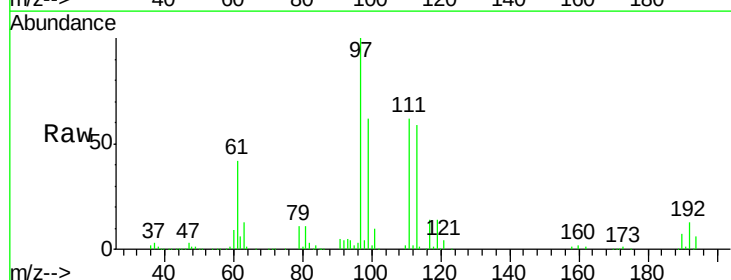
RT: 5.48 min Scan# 710

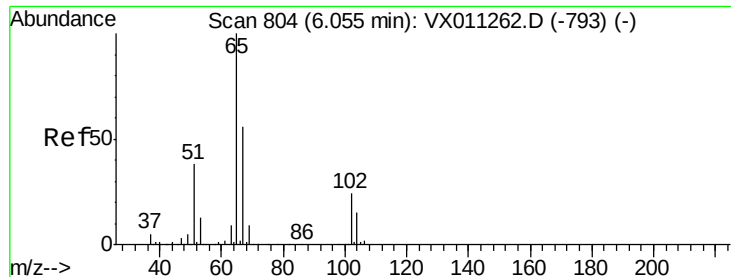
Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Tgt Ion:	97	Resp:	136966
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	41.2	32.3	48.5





#33

1,2-Dichloroethane-d4

Concen: 48.952 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 87848

Ion Ratio Lower Upper

65 100

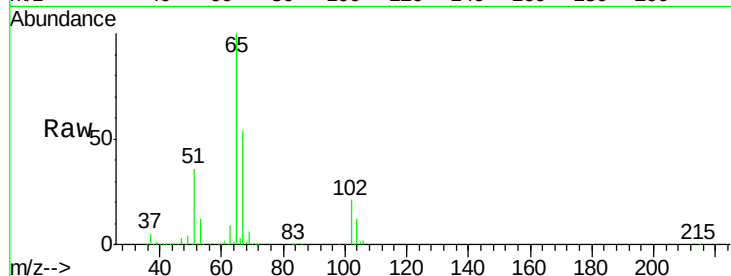
67 52.9 0.0 110.6

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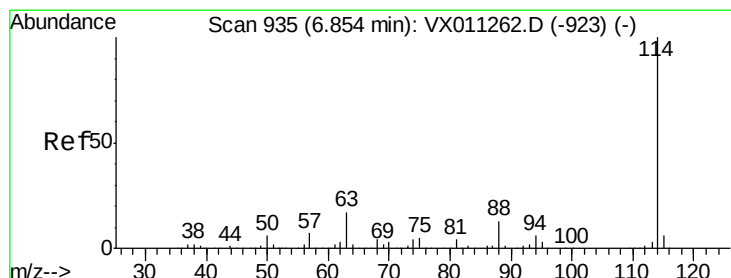
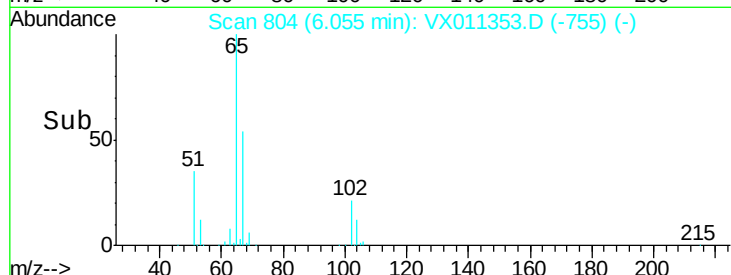
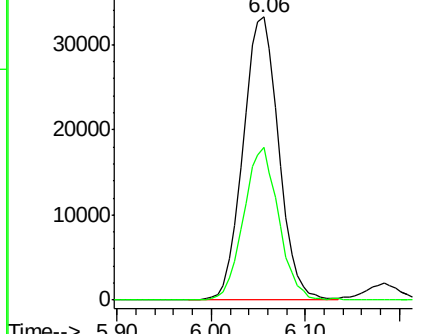
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

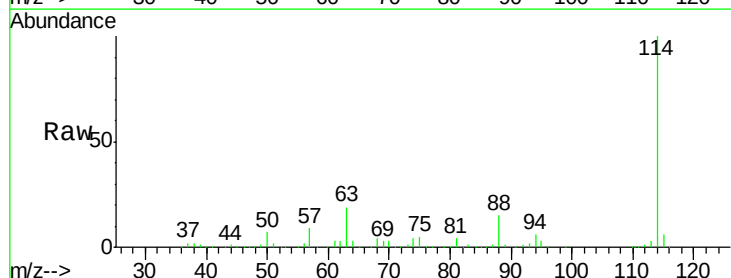
Tgt Ion: 114 Resp: 257908

Ion Ratio Lower Upper

114 100

63 18.9 0.0 34.0

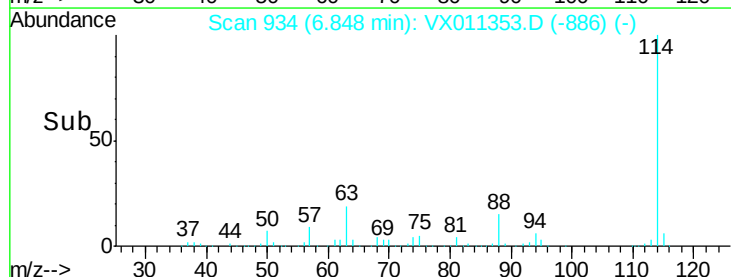
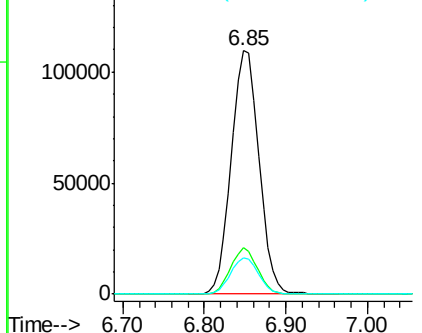
88 15.1 0.0 26.4

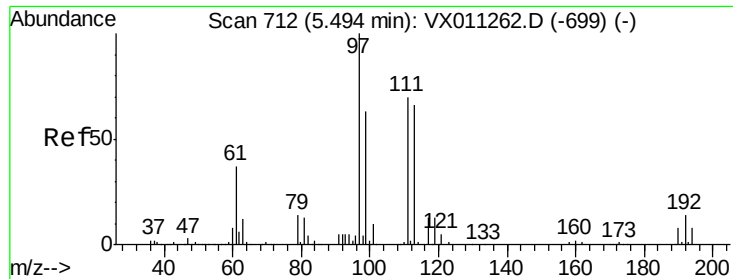


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.669 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

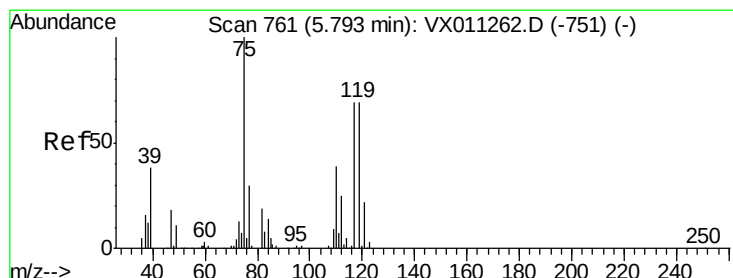
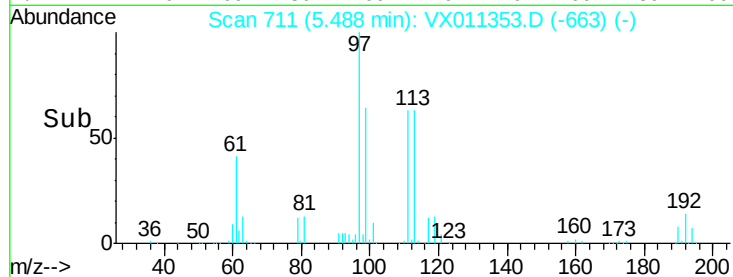
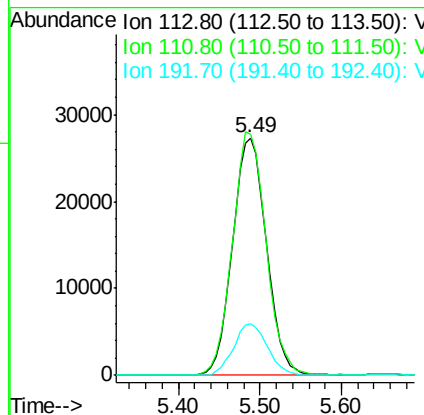
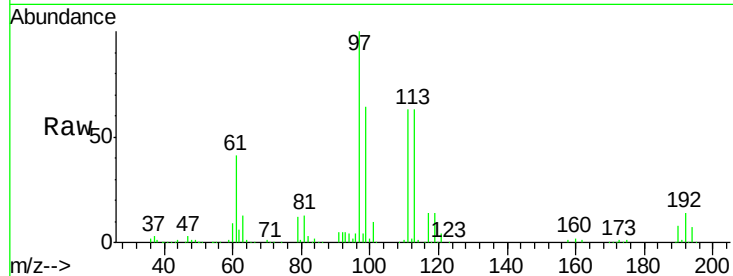
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	78583
Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.9	122.9
192	21.8	17.8	26.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.588 ug/l

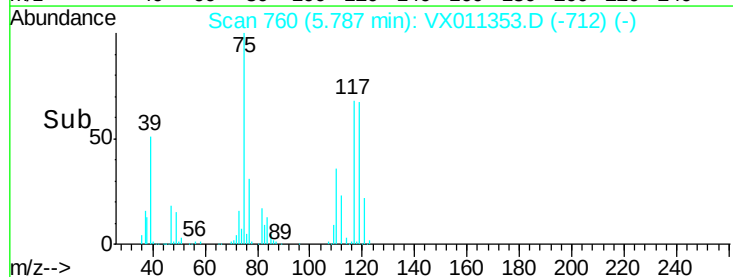
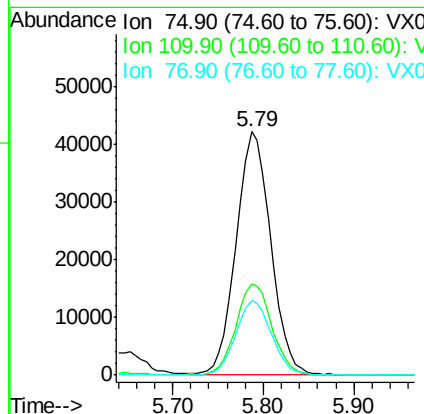
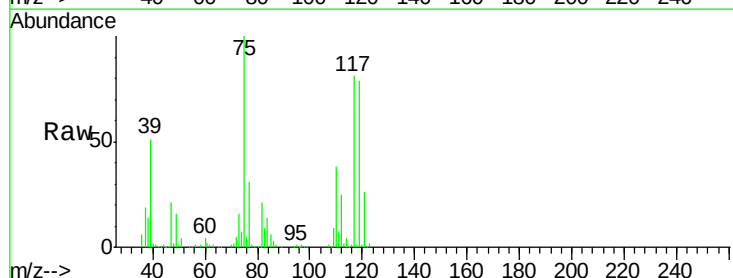
RT: 5.79 min Scan# 760

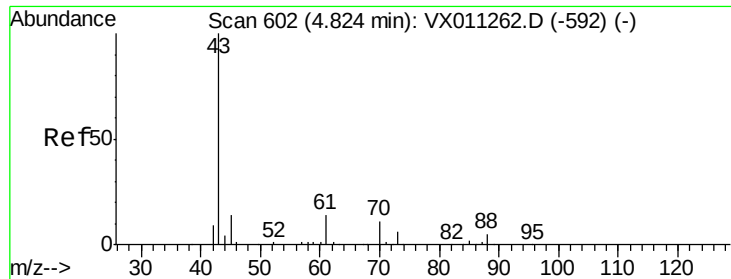
Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Tgt Ion:	75	Resp:	111661
Ion	Ratio	Lower	Upper
75	100		
110	38.8	20.0	59.9
77	31.7	24.8	37.2





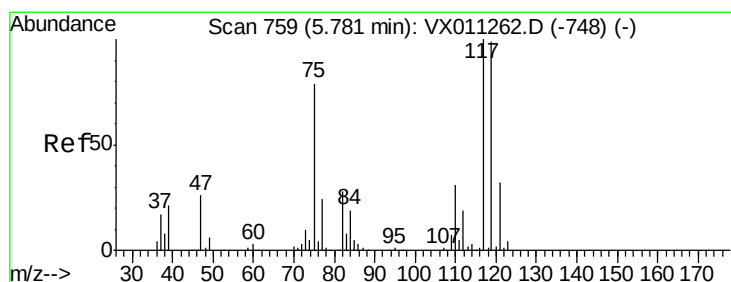
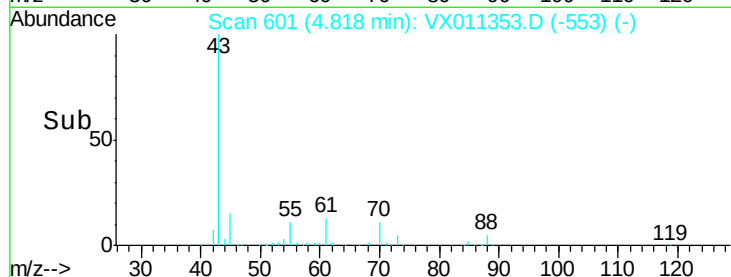
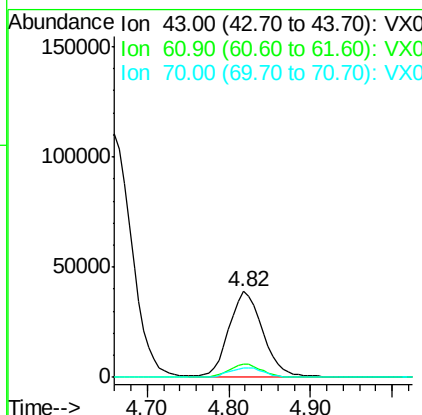
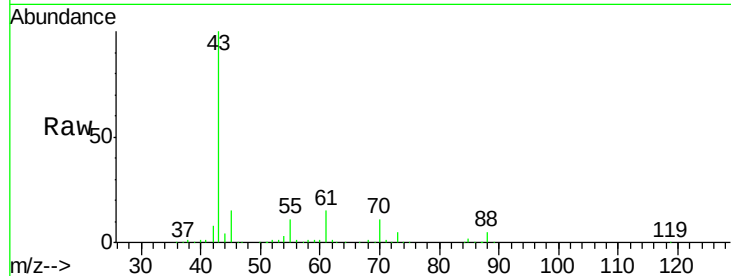
#37
Ethyl Acetate
Concen: 48.973 ug/l
RT: 4.82 min Scan# 601
Delta R.T. -0.01 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	110616
Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.6	18.8
70	11.8	9.1	13.7

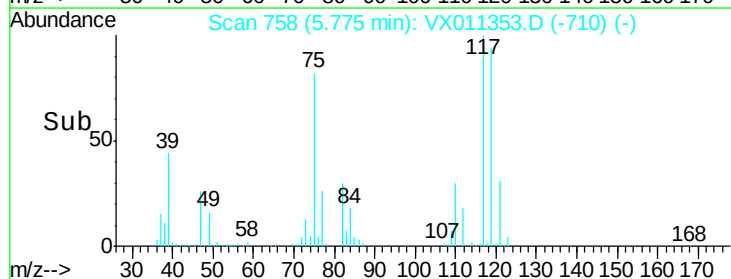
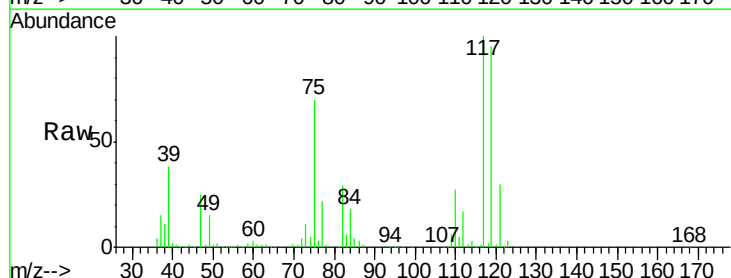
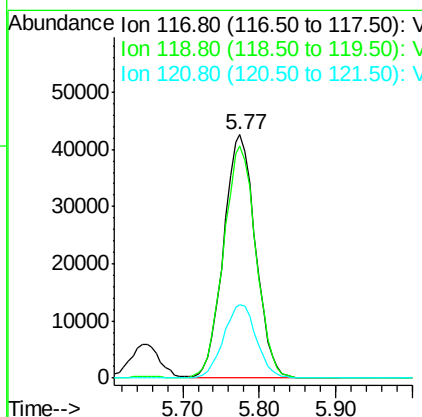
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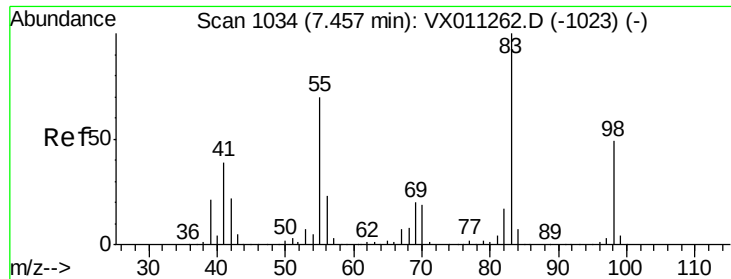
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#38
Carbon Tetrachloride
Concen: 54.228 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Tgt Ion:	117	Resp:	122850
Ion	Ratio	Lower	Upper
117	100		
119	95.2	79.0	118.4
121	30.1	25.9	38.9





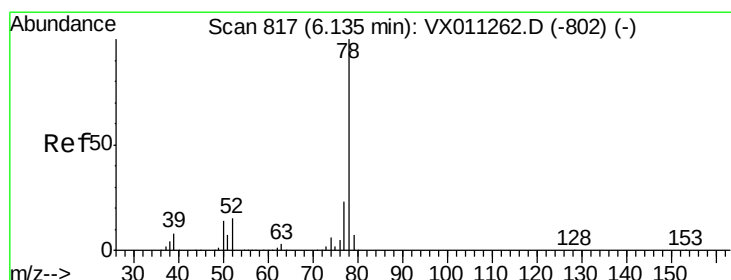
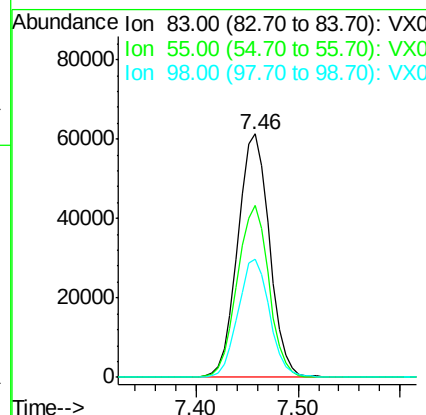
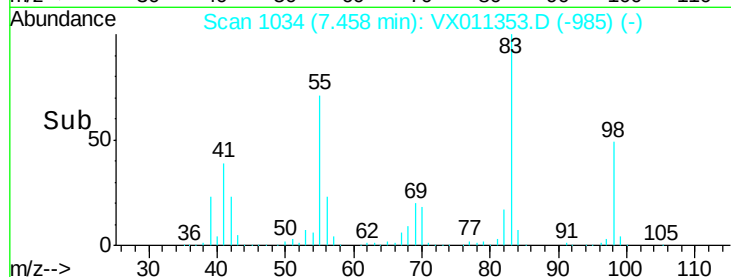
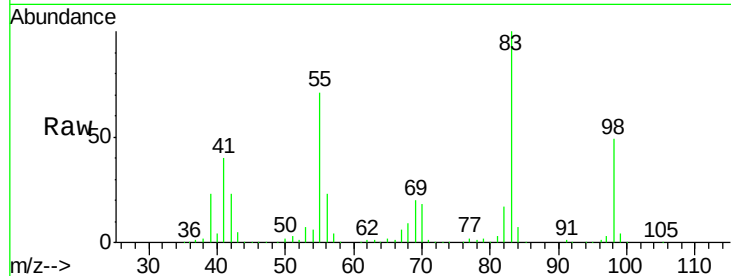
#39
Methylvlcyclohexane
Concen: 49.515 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	70.6	56.1	84.1	
98	48.6	39.0	58.4	

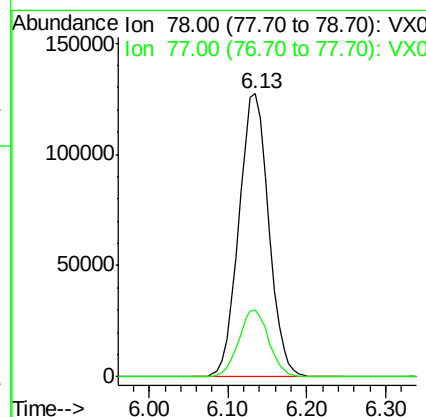
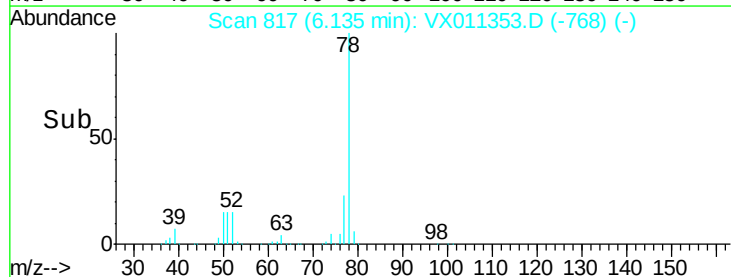
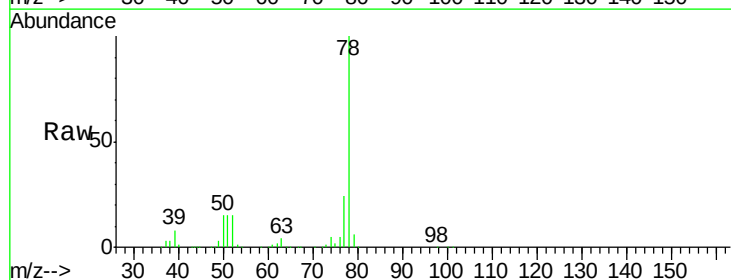
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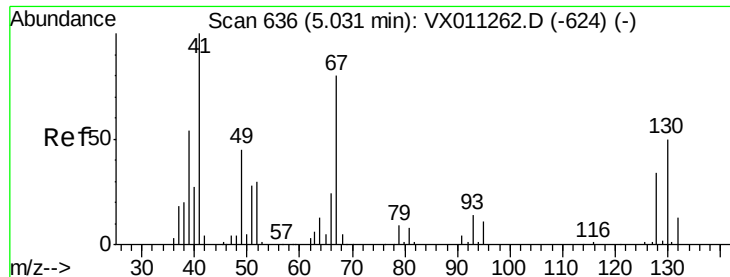
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#40
Benzene
Concen: 49.926 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.2	27.2	





#41

Methacrylonitrile

Concen: 49.408 ug/l

RT: 5.03 min Scan# 635

Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

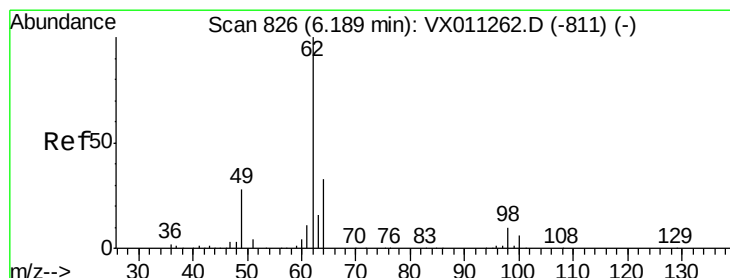
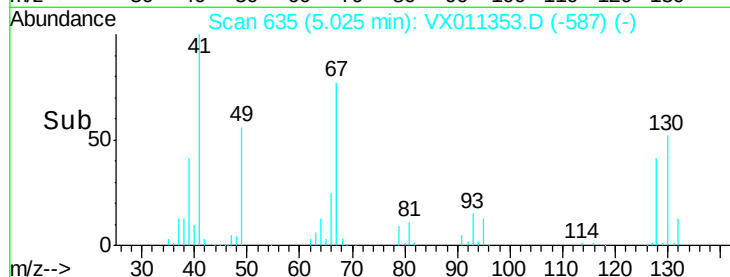
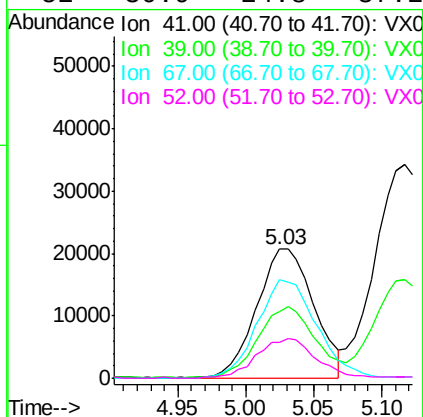
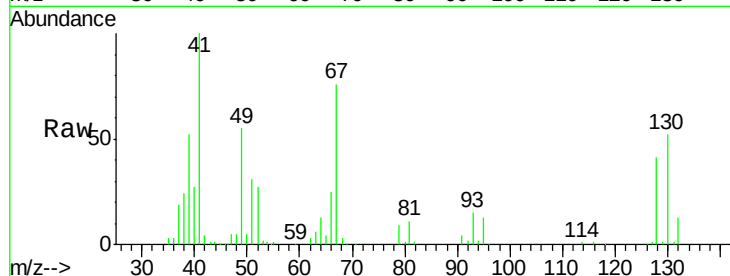
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.7	43.0	64.6	
67	79.3	65.1	97.7	
52	30.9	24.8	37.2	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 52.942 ug/l

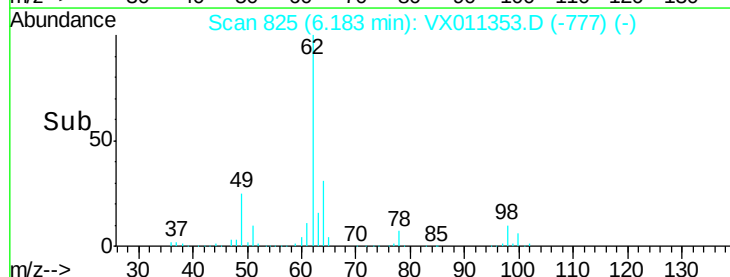
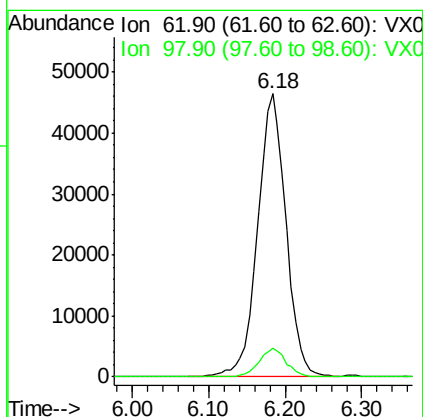
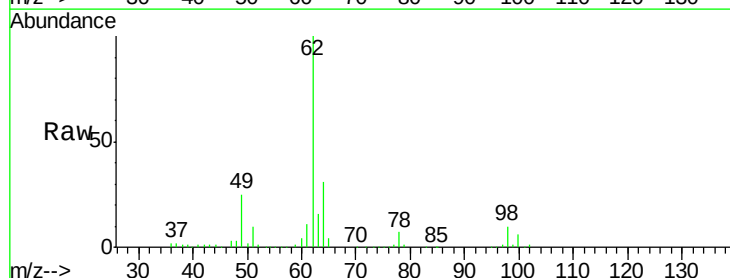
RT: 6.18 min Scan# 825

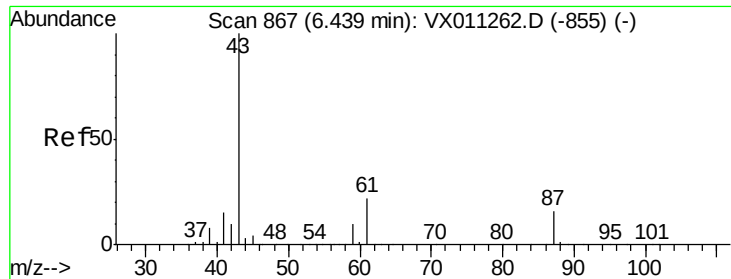
Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	20.6	





#43

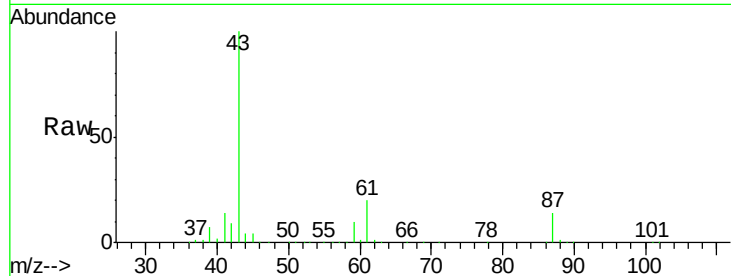
Isopropyl Acetate
 Concen: 50.956 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX011353.D
 Acq: 07 Aug 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

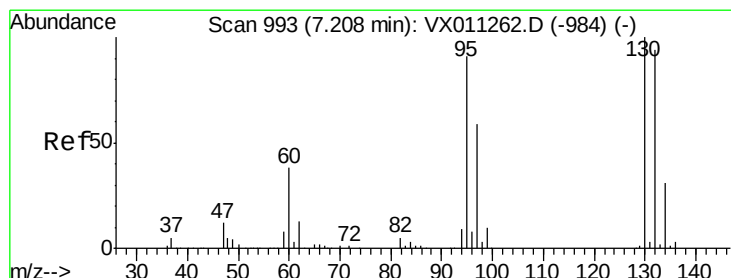
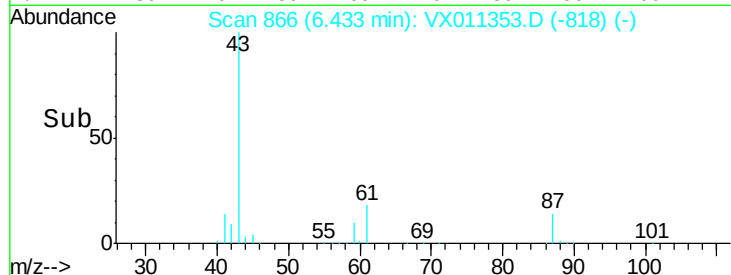
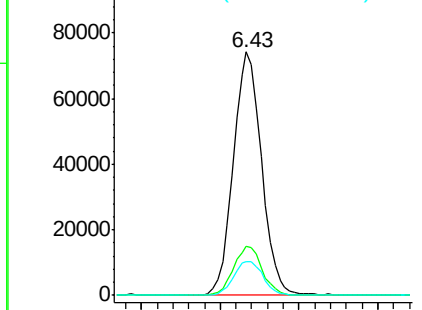
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.5	24.7
87	14.7	12.1	18.1

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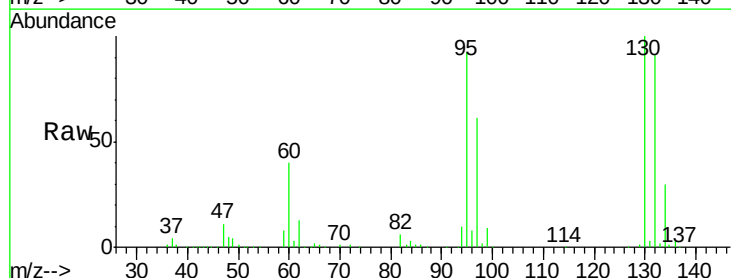
Abundance Ion 43.00 (42.70 to 43.70): VX011262.D (-855) (-)



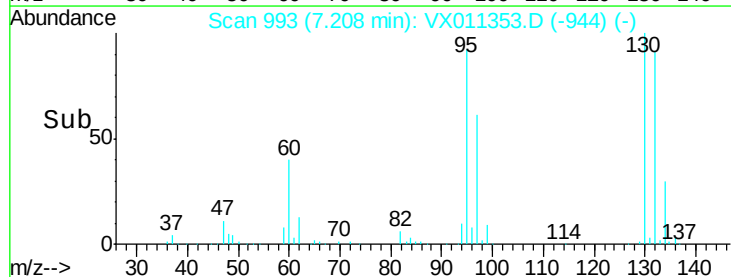
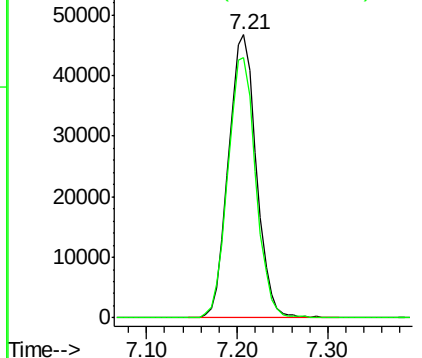
#44

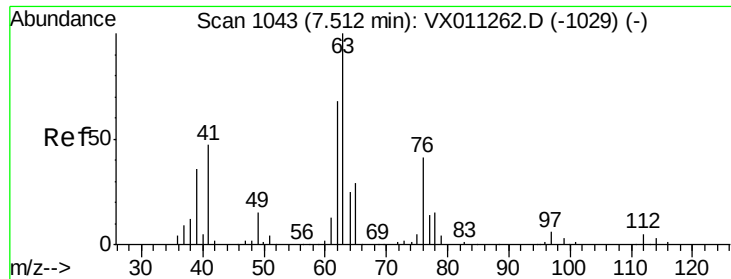
Trichloroethene
 Concen: 49.057 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011353.D
 Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	182.6



Abundance Ion 129.80 (129.50 to 130.50): VX011262.D (-984) (-)





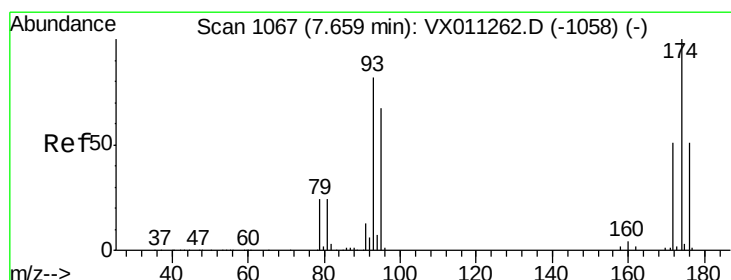
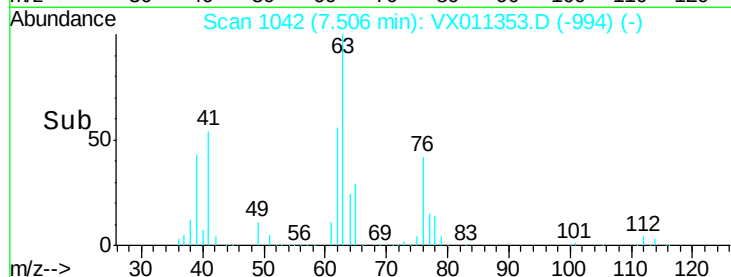
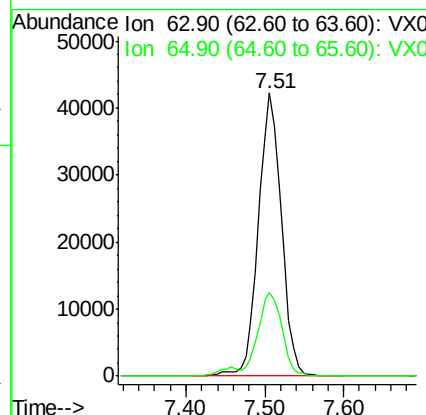
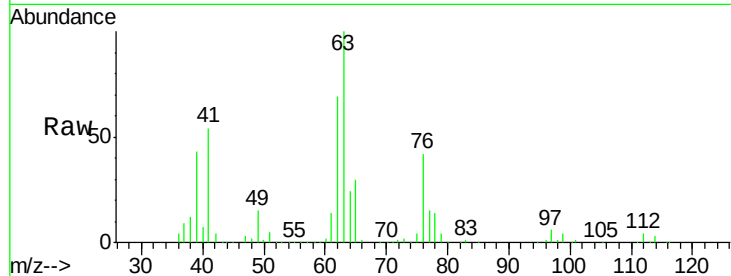
#45
 1,2-Dichloropropane
 Concen: 49.420 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011353.D
 Acq: 07 Aug 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 86002
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.3 34.9

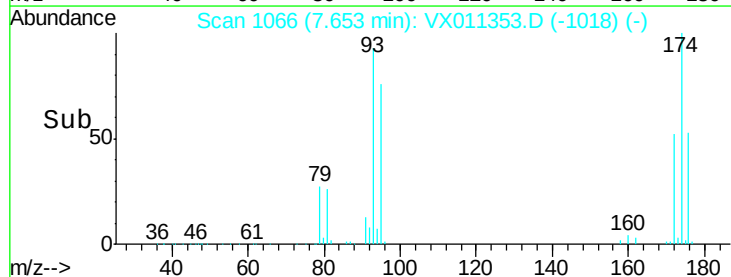
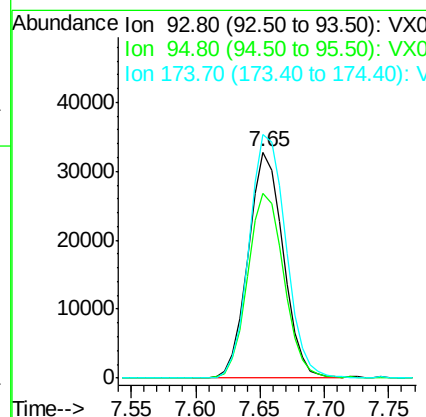
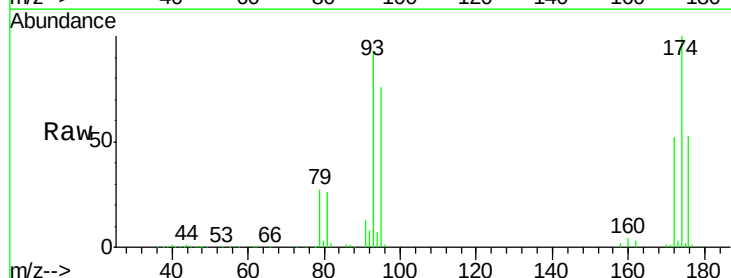
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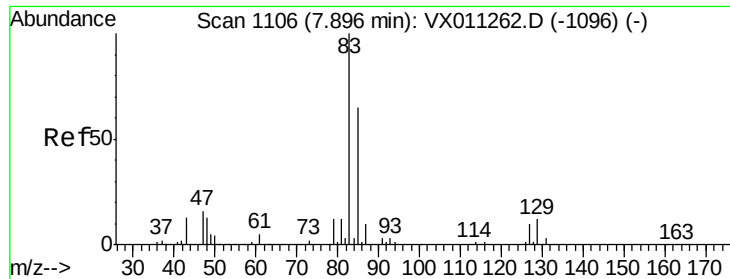
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#46
 Dibromomethane
 Concen: 48.457 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX011353.D
 Acq: 07 Aug 2019 10:53

Tgt Ion: 93 Resp: 61560
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.4 99.6
 174 113.1 93.4 140.2





#47

Bromodichloromethane

Concen: 54.590 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 117416

Ion Ratio Lower Upper

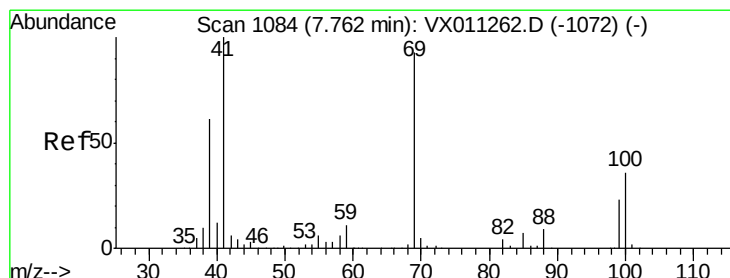
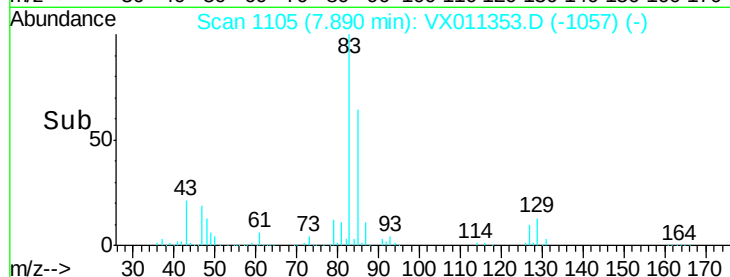
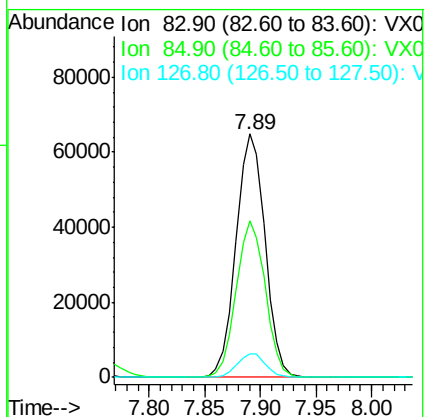
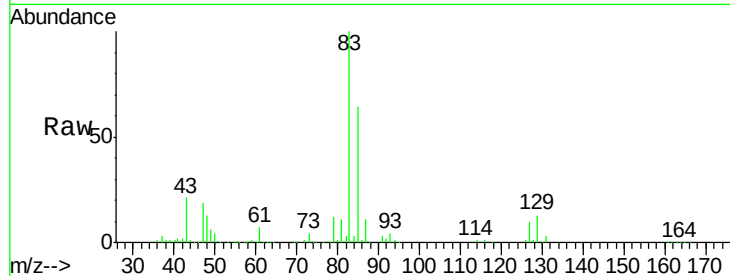
83 100

85 64.2 52.2 78.2

127 9.7 7.8 11.8

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#48

Methyl methacrylate

Concen: 53.400 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

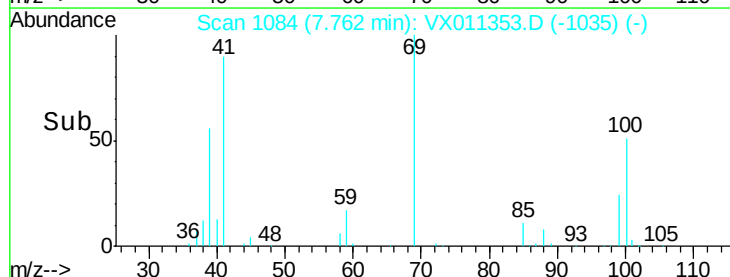
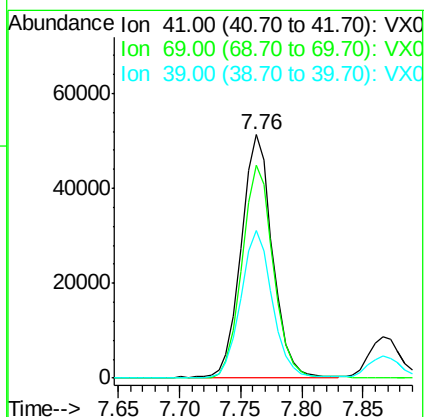
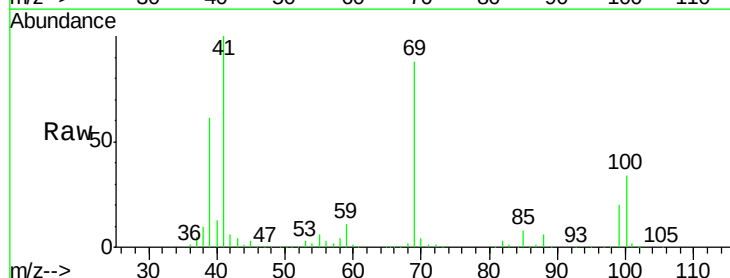
Tgt Ion: 41 Resp: 90751

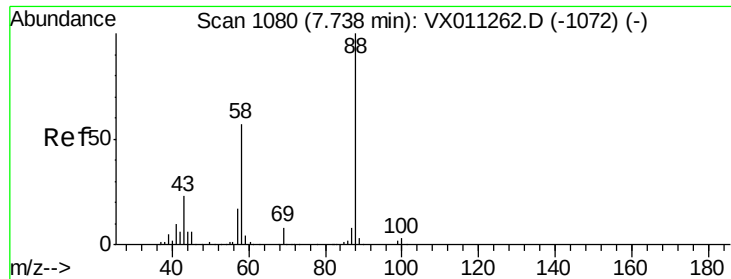
Ion Ratio Lower Upper

41 100

69 88.5 74.5 111.7

39 60.7 48.6 72.8





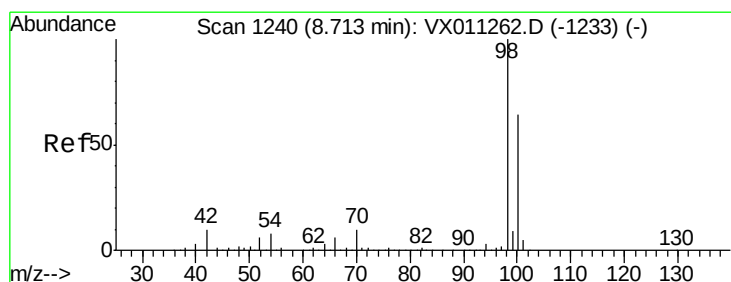
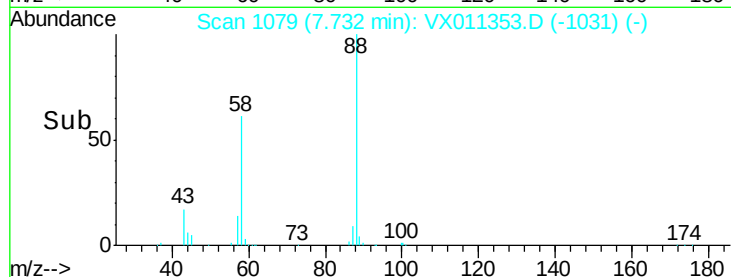
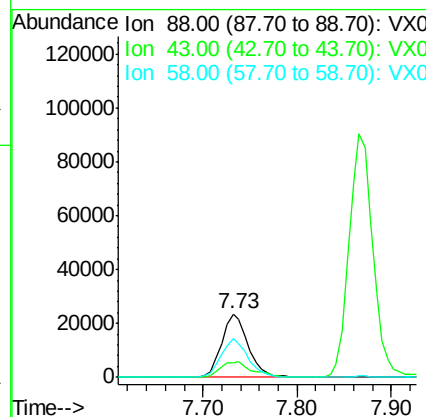
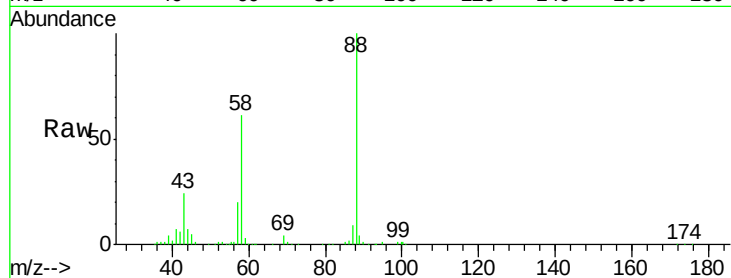
#49
1,4-Dioxane
Concen: 924.159 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.4	22.2	33.2
58	62.2	47.8	71.8

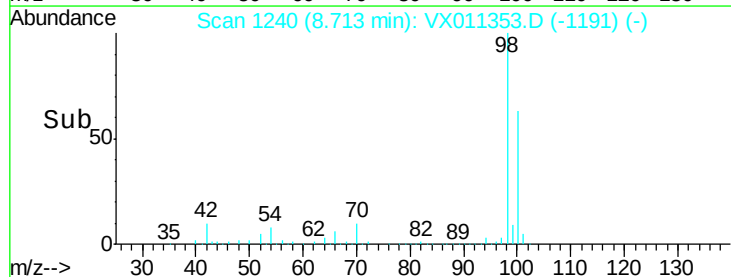
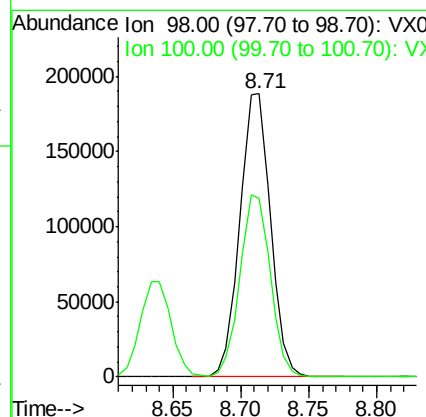
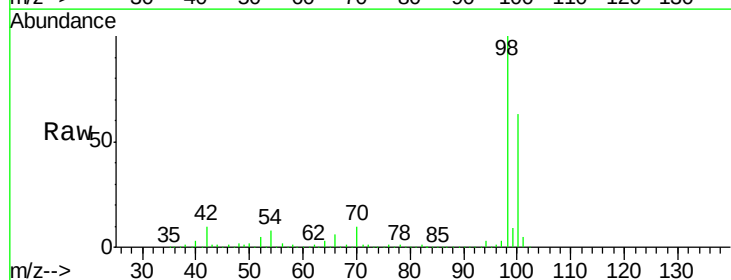
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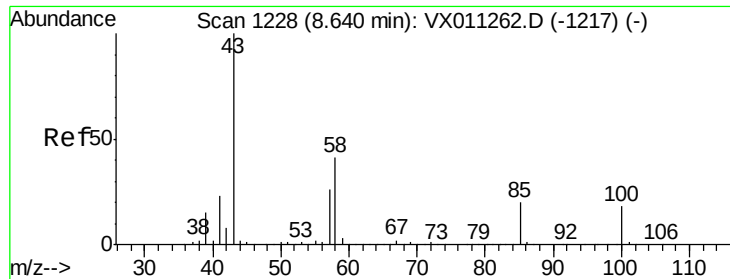
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#50
Toluene-d8
Concen: 46.754 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 259.946 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 605803

Ion Ratio Lower Upper

43 100

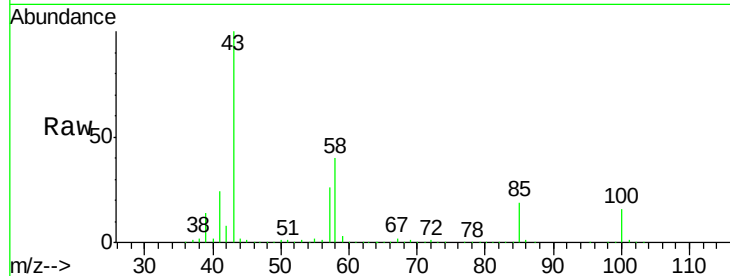
58 40.3 32.3 48.5

Manual Integrations

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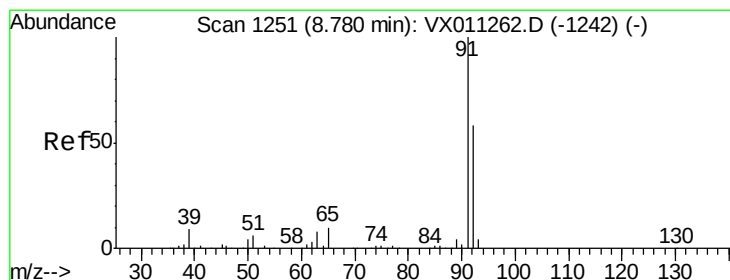
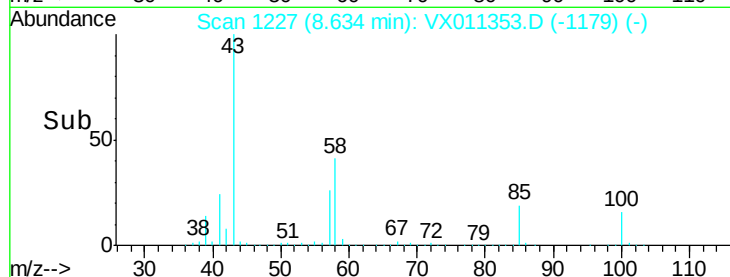
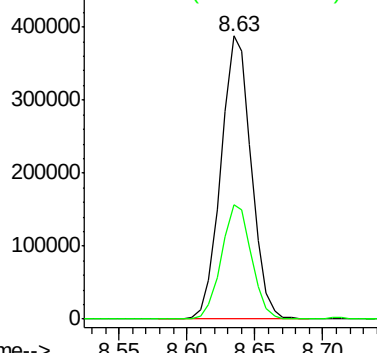
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.656 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011353.D

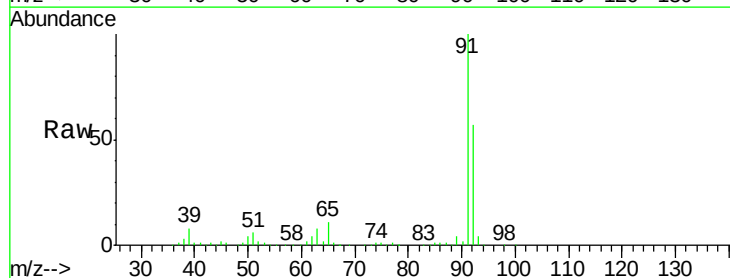
Acq: 07 Aug 2019 10:53

Tgt Ion: 92 Resp: 225049

Ion Ratio Lower Upper

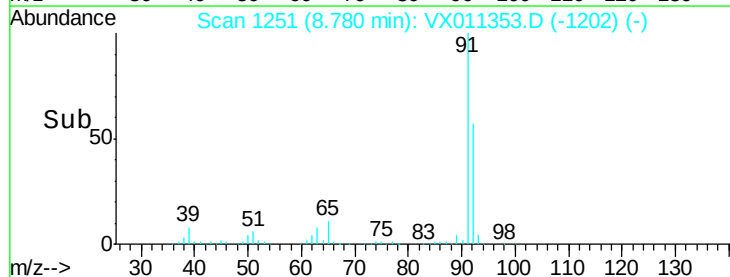
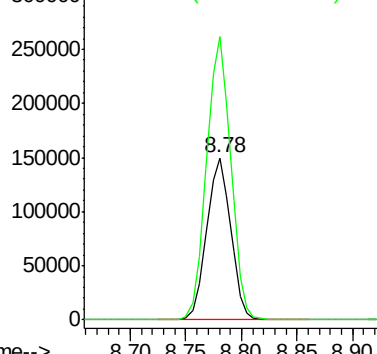
92 100

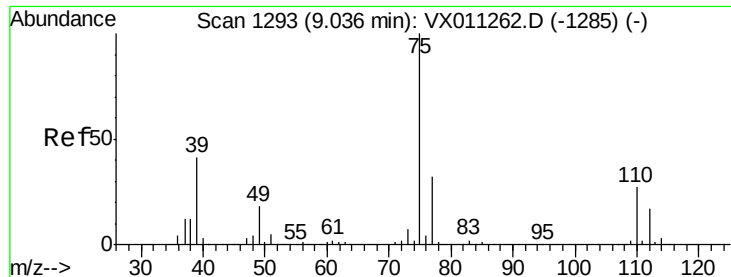
91 175.3 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





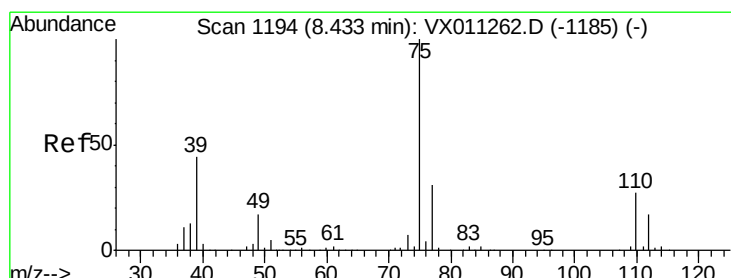
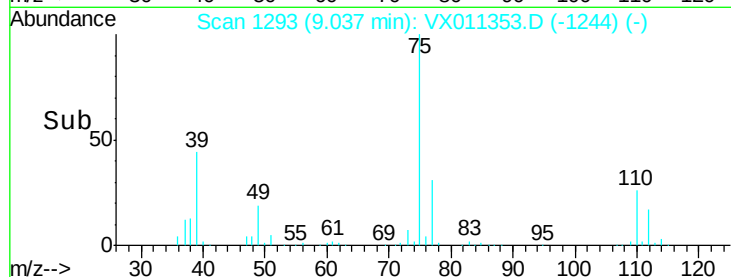
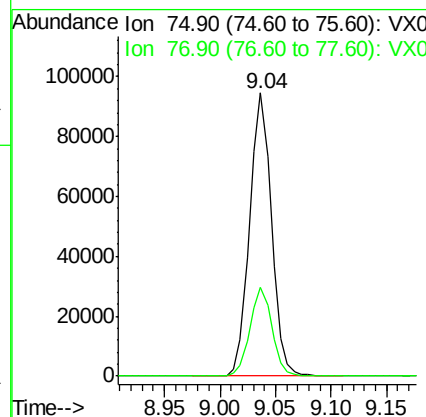
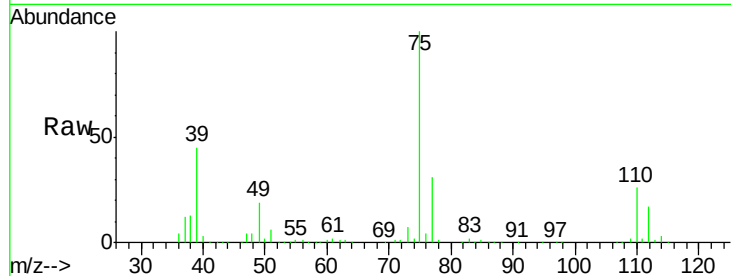
#53
t-1,3-Dichloropropene
Concen: 51.595 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0

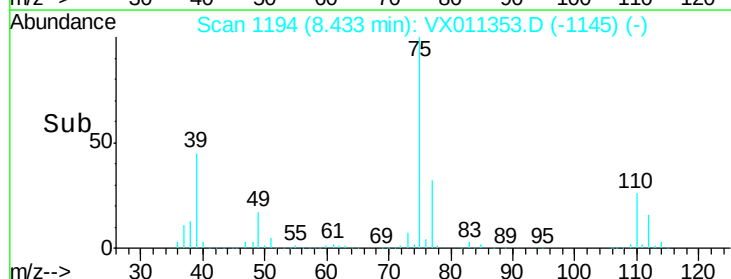
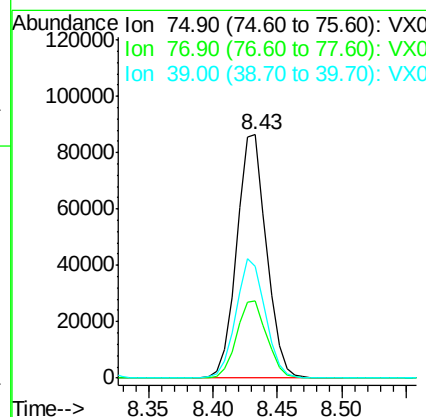
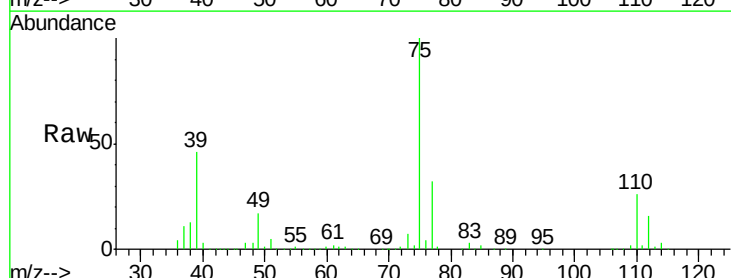
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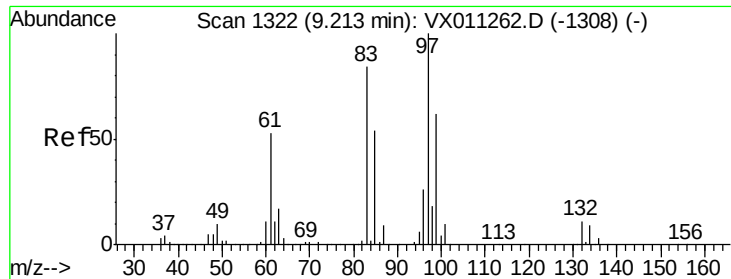
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 55.141 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.6
39	45.6	35.3	52.9





#55

1,1,2-Trichloroethane

Concen: 51.177 ug/l

RT: 9.21 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

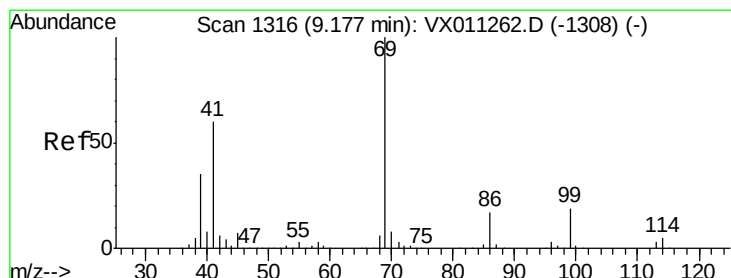
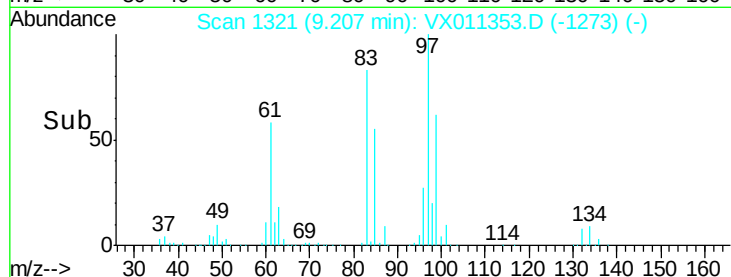
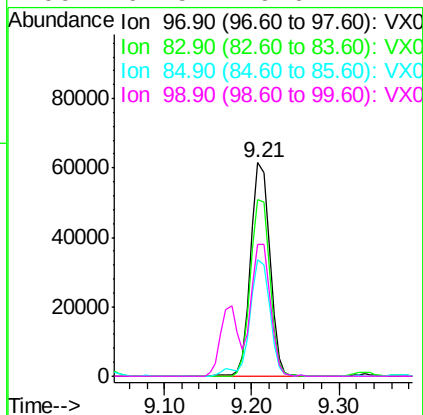
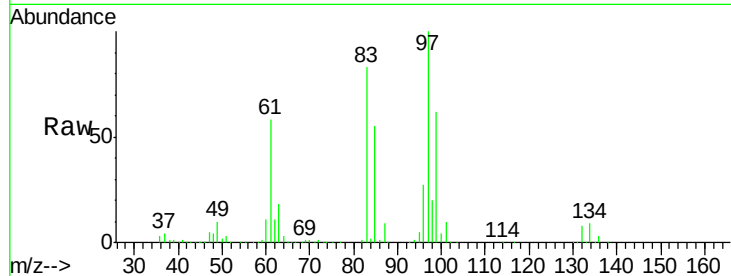
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	93483
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.6	101.4
85	54.6	43.4	65.0
99	61.5	49.6	74.4

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#56

Ethyl methacrylate

Concen: 54.026 ug/l

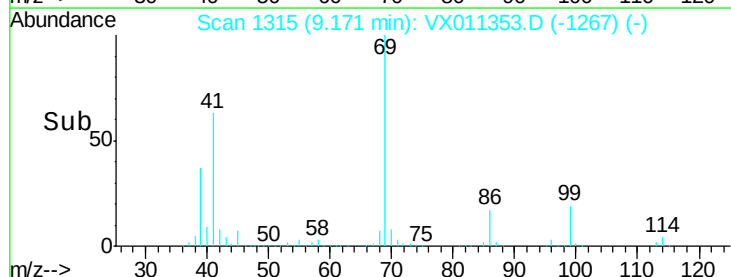
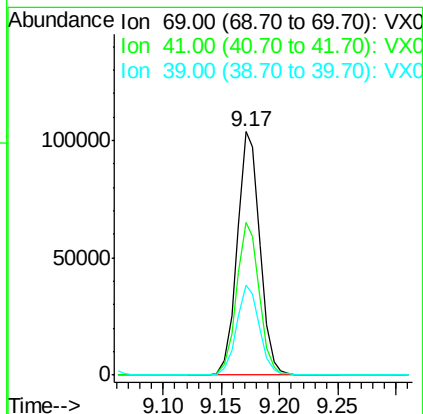
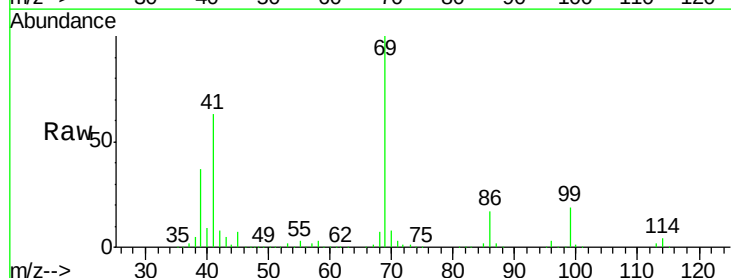
RT: 9.17 min Scan# 1315

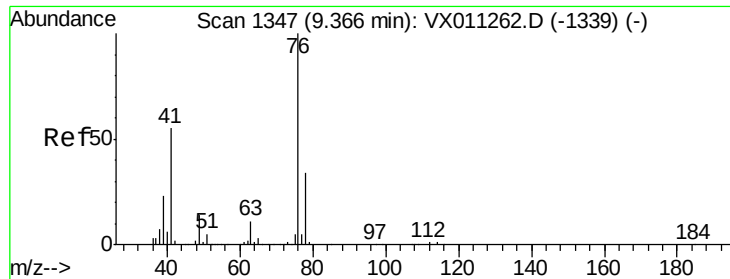
Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Tgt Ion:	69	Resp:	140633
Ion	Ratio	Lower	Upper
69	100		
41	62.3	48.6	73.0
39	36.9	29.4	44.2





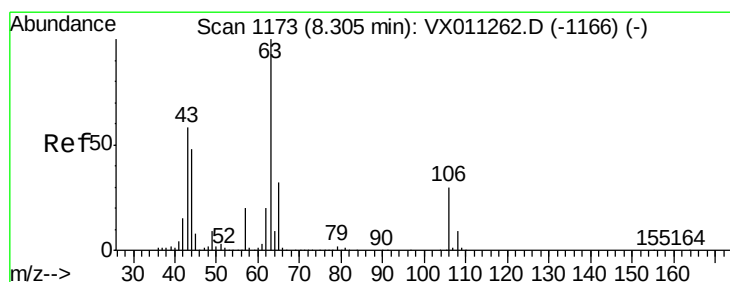
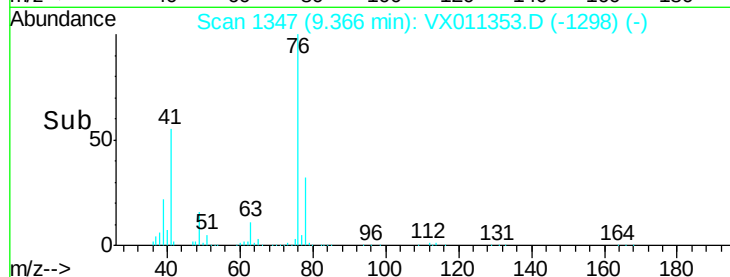
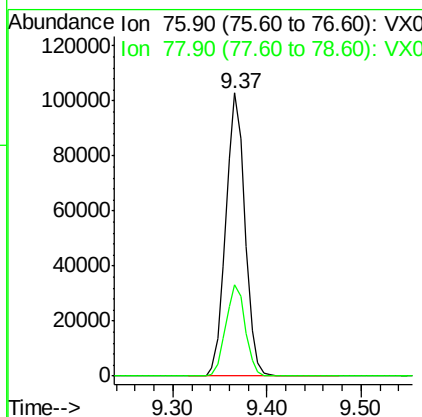
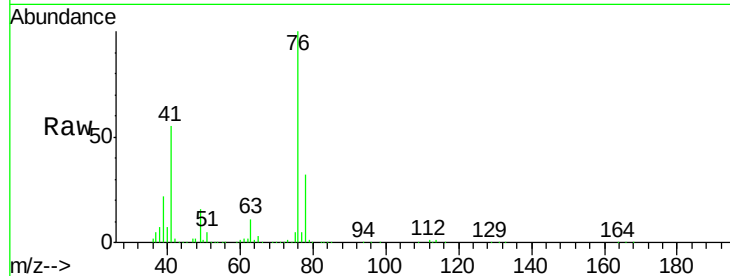
#57
 1,3-Dichloropropane
 Concen: 50.246 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011353.D
 Acq: 07 Aug 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 145153
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.6 40.0

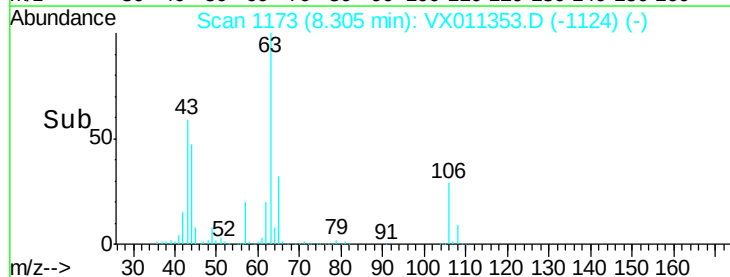
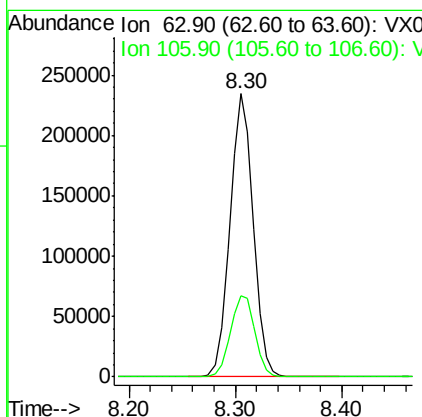
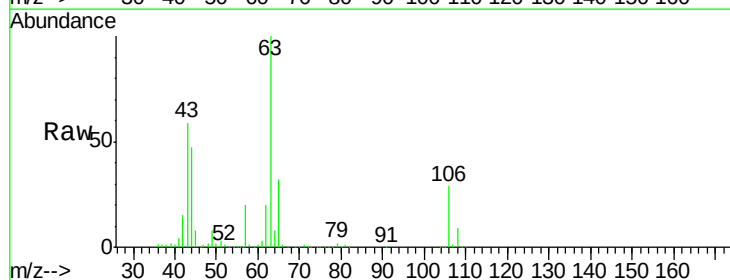
Manual Integrations
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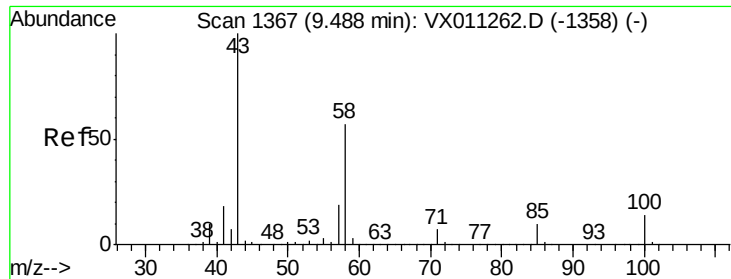
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#58
 2-Chloroethyl Vinyl ether
 Concen: 279.873 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011353.D
 Acq: 07 Aug 2019 10:53

Tgt Ion: 63 Resp: 358212
 Ion Ratio Lower Upper
 63 100
 106 30.0 24.4 36.6





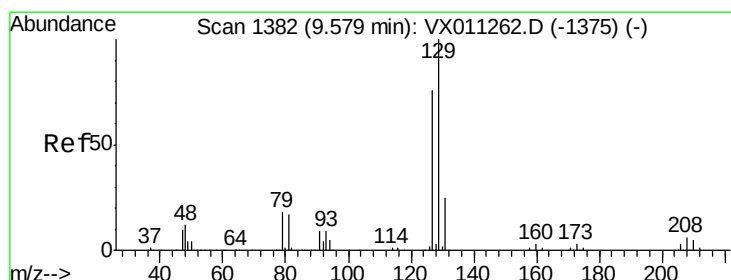
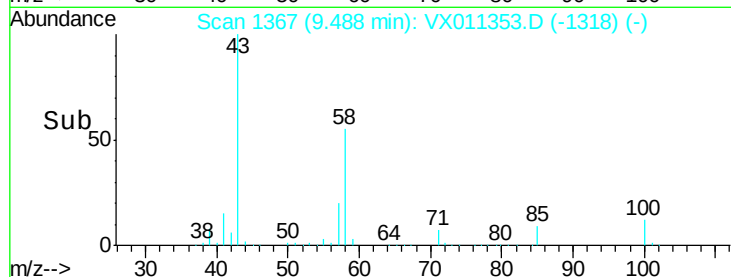
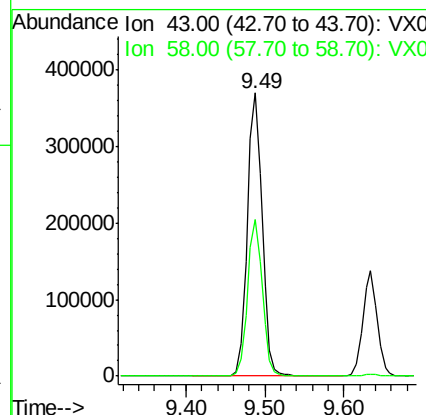
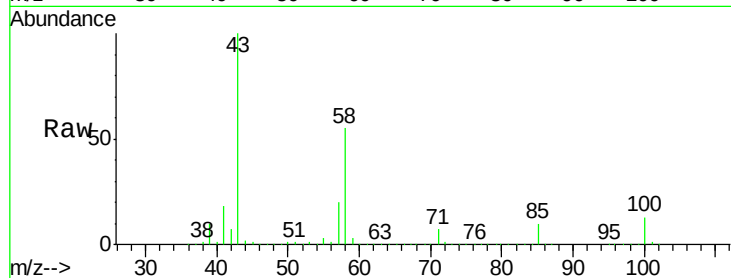
#59
2-Hexanone
Concen: 267.148 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 482234
Ion Ratio Lower Upper
43 100
58 55.3 28.2 84.6

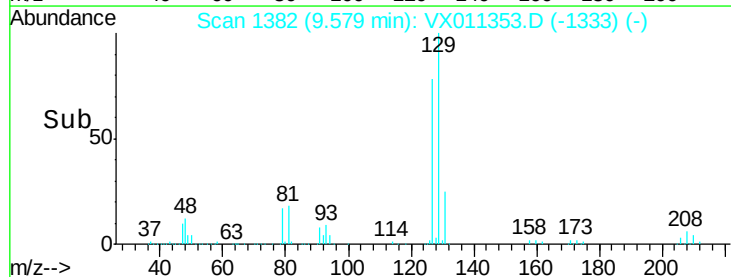
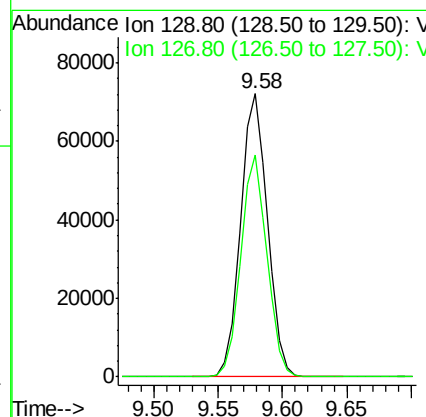
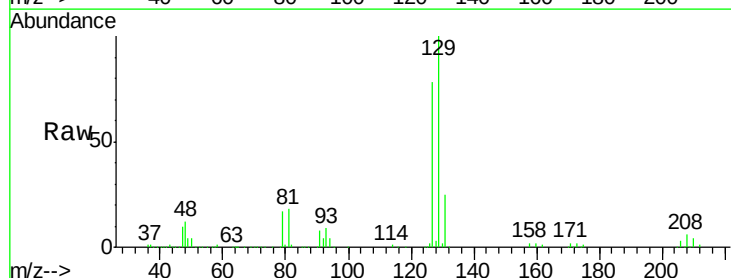
Manual Integrations
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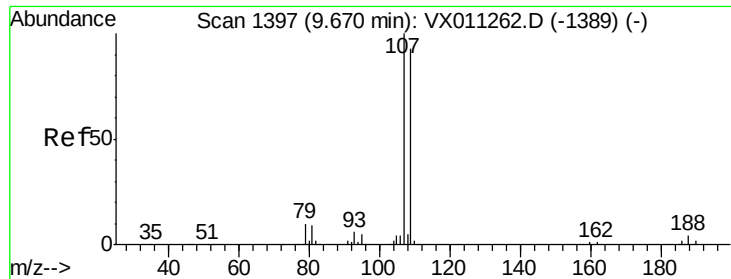
MMDadoda
8/8/2019 10:57:15 AM



#60
Dibromochloromethane
Concen: 55.521 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Tgt Ion: 129 Resp: 103832
Ion Ratio Lower Upper
129 100
127 76.7 39.2 117.6





#61

1,2-Dibromoethane

Concen: 52.202 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 103021

Ion Ratio Lower Upper

107 100

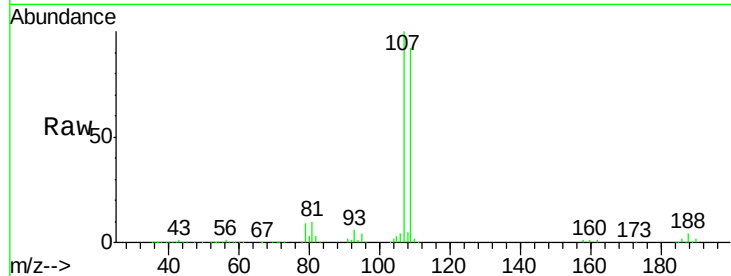
109 92.6 76.6 114.8

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8/8/2019 10:57:15 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

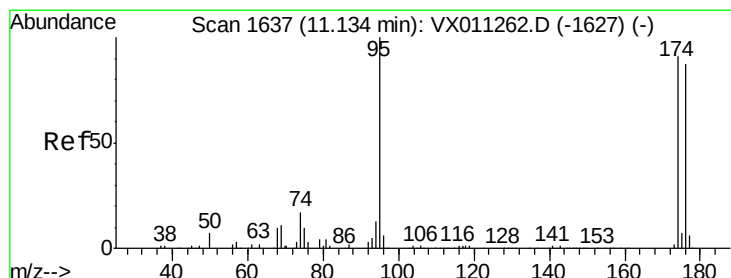
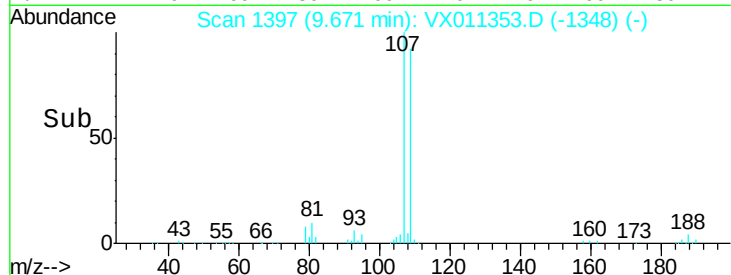
40000

20000

0

Time-->

9.60 9.65 9.70 9.75 9.80



#62

4-Bromofluorobenzene

Concen: 49.854 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

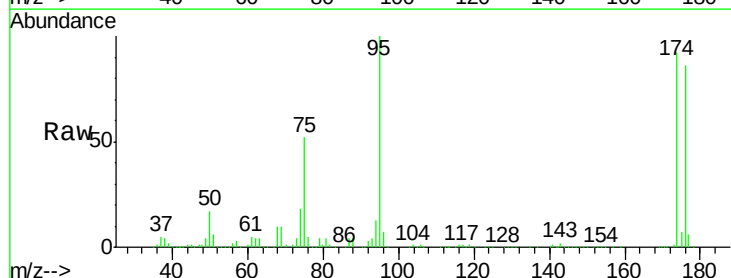
Tgt Ion: 95 Resp: 113130

Ion Ratio Lower Upper

95 100

174 92.6 0.0 191.2

176 87.6 0.0 184.8



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

11.13

120000

100000

80000

60000

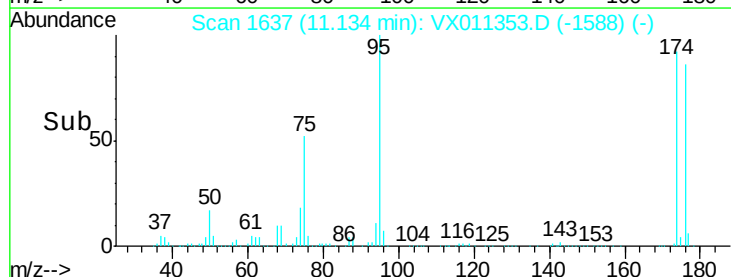
40000

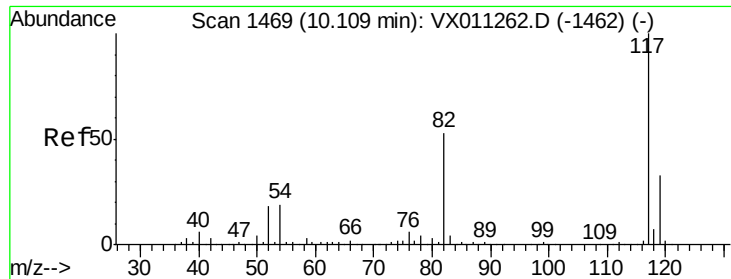
20000

0

Time-->

11.10 11.20





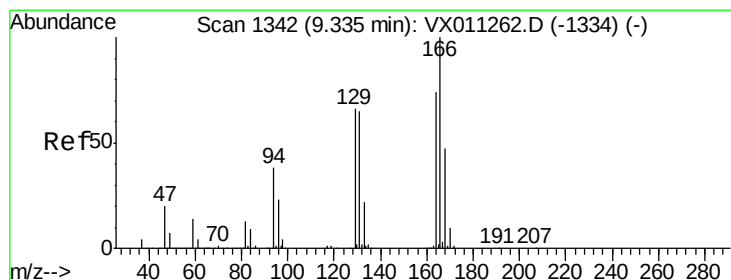
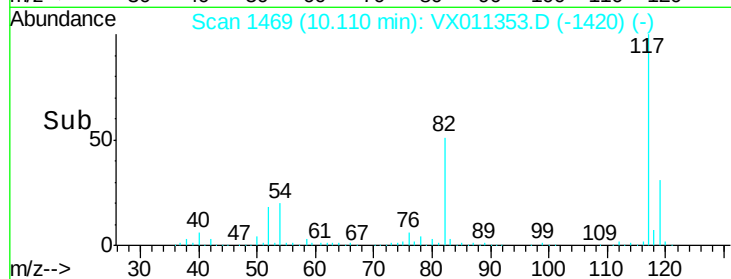
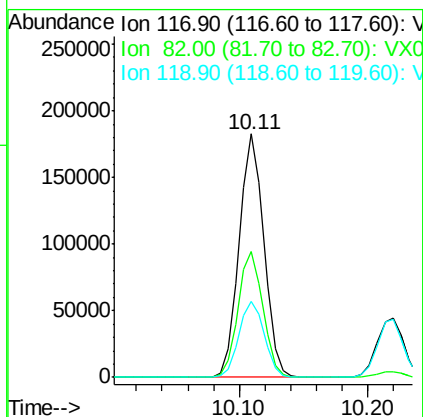
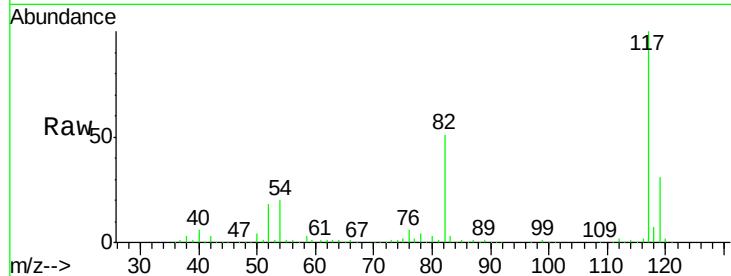
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.2	63.2
119	31.4	26.6	39.8

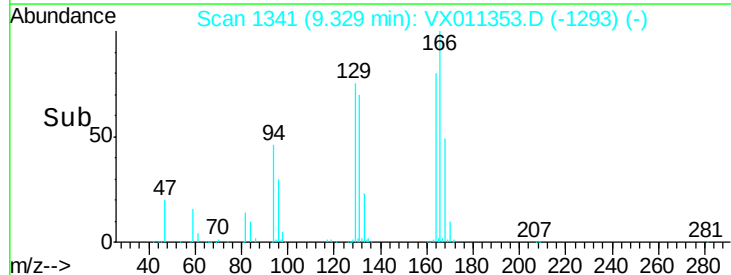
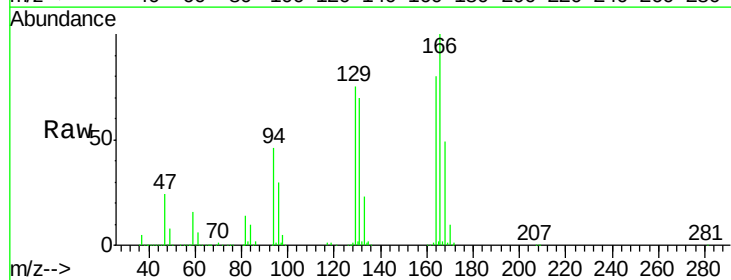
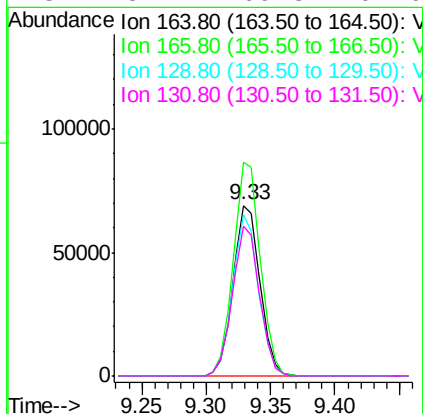
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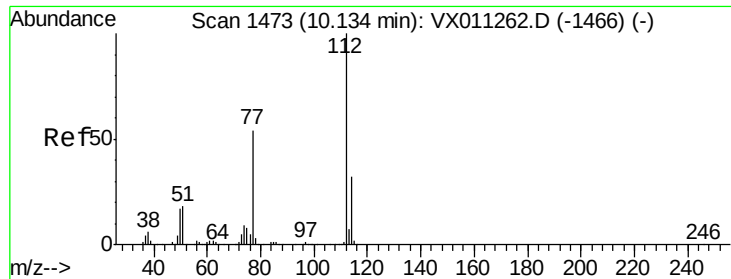
MMDadoda
8/8/2019 10:57:15 AM



#64
Tetrachloroethene
Concen: 48.774 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	107.5	161.3
129	94.2	71.0	106.4
131	87.7	69.8	104.6





#65

Chlorobenzene

Concen: 49.061 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 255348

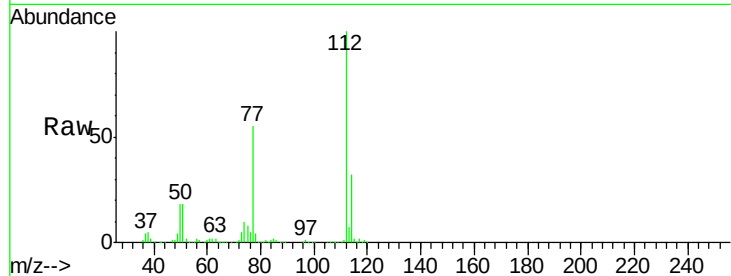
Ion Ratio Lower Upper

112 100

114 32.1 25.9 38.9

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8/8/2019 10:57:15 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

200000

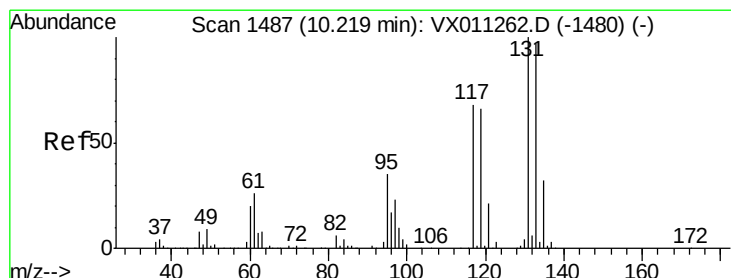
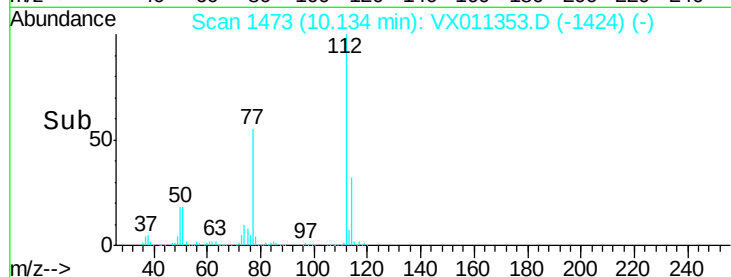
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 52.507 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

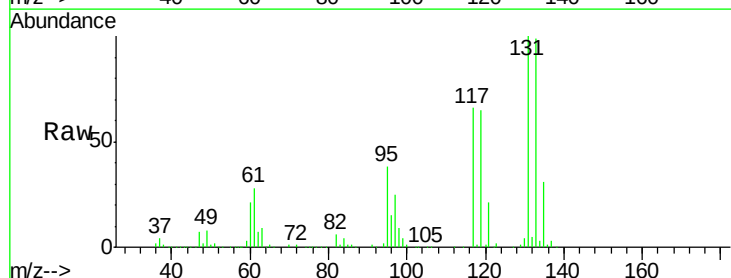
Tgt Ion:131 Resp: 93560

Ion Ratio Lower Upper

131 100

133 97.9 47.7 143.1

119 64.6 32.8 98.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

80000

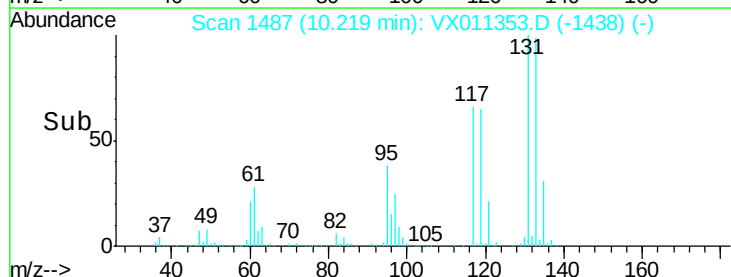
60000

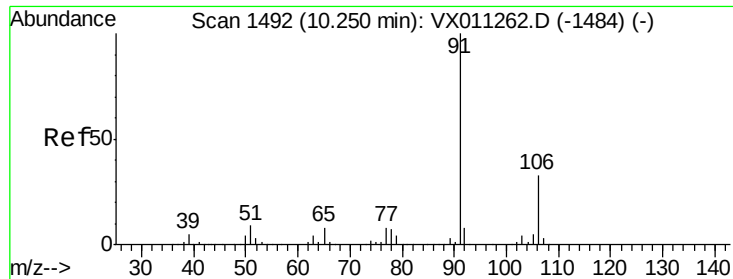
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 51.731 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 450912

Ion Ratio Lower Upper

91 100

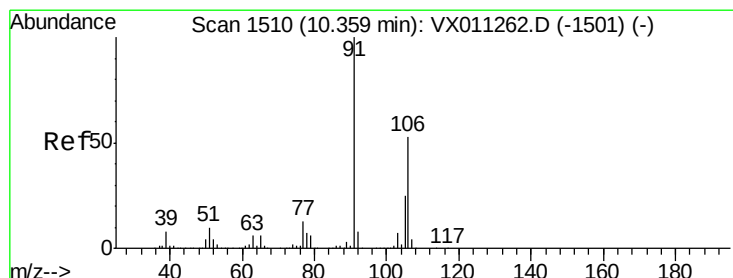
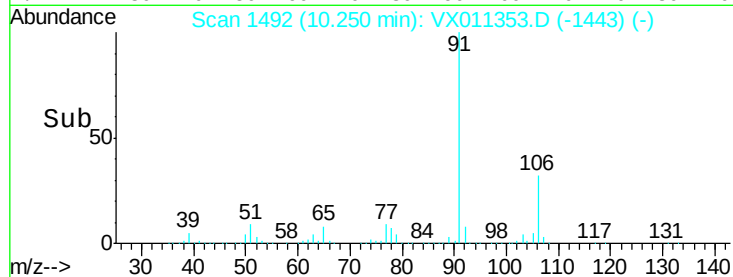
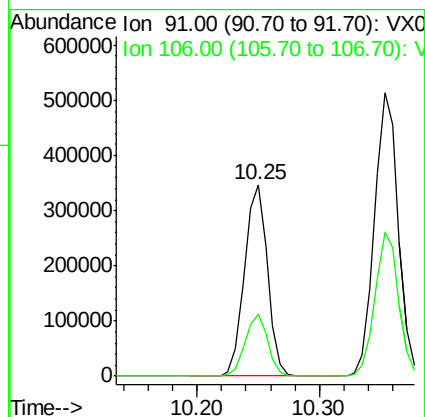
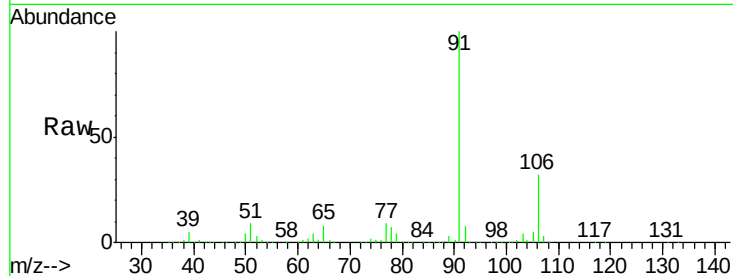
106 32.4 26.2 39.4

Manual Integrations

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MMDadoda

8/8/2019 10:57:15 AM



#68

m/p-Xylenes

Concen: 103.169 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011353.D

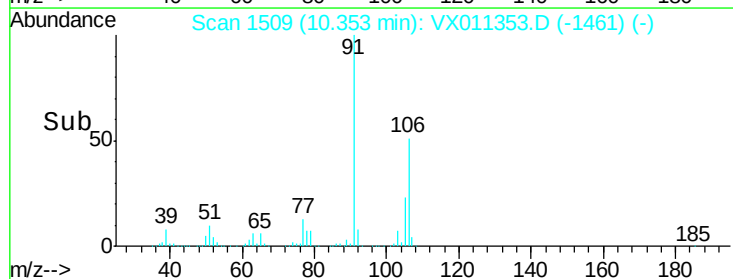
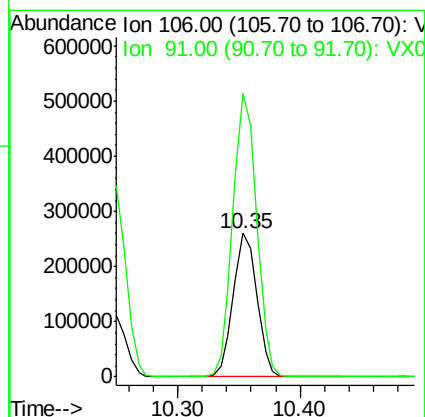
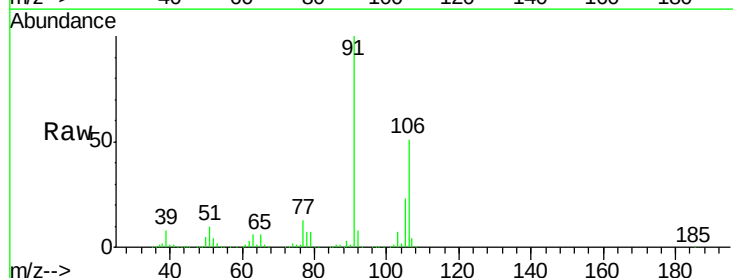
Acq: 07 Aug 2019 10:53

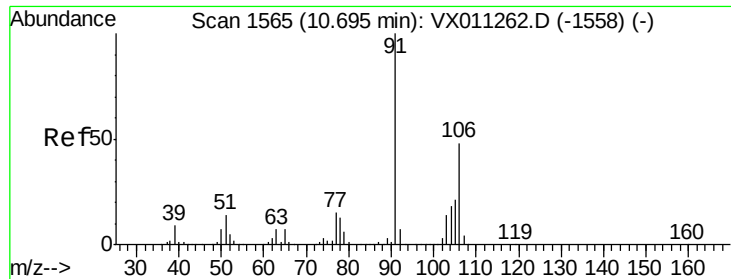
Tgt Ion: 106 Resp: 347839

Ion Ratio Lower Upper

106 100

91 198.6 155.9 233.9





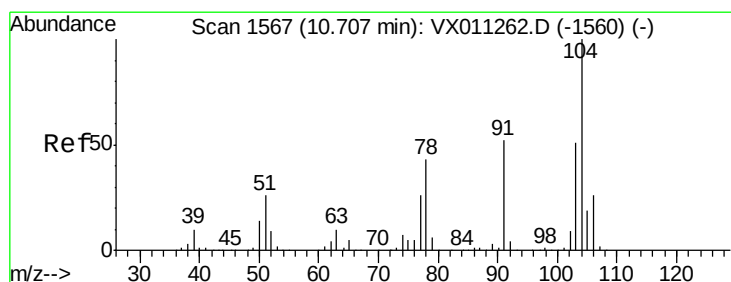
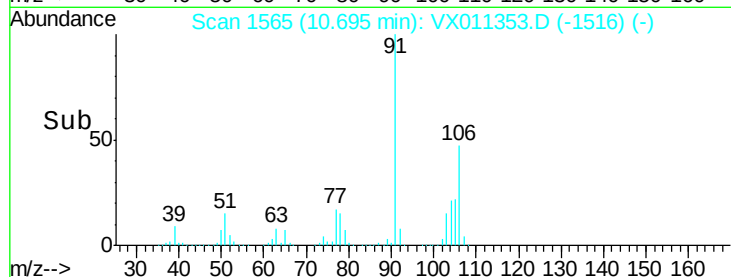
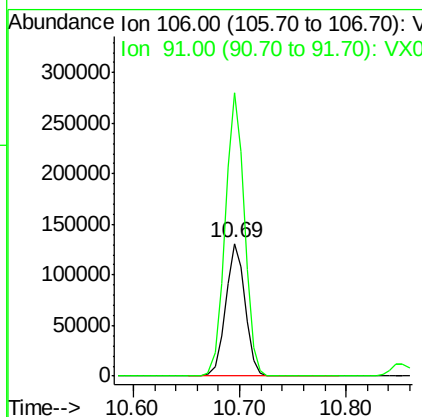
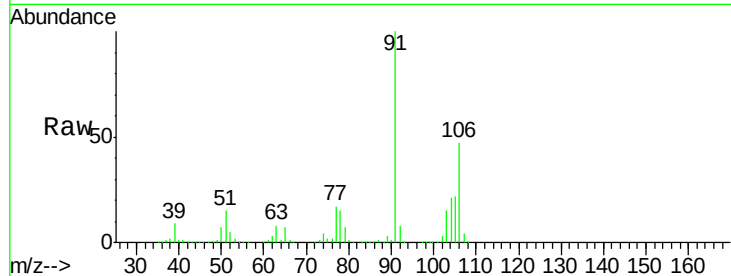
#69
o-Xylene
Concen: 50.427 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.7	103.8	311.3

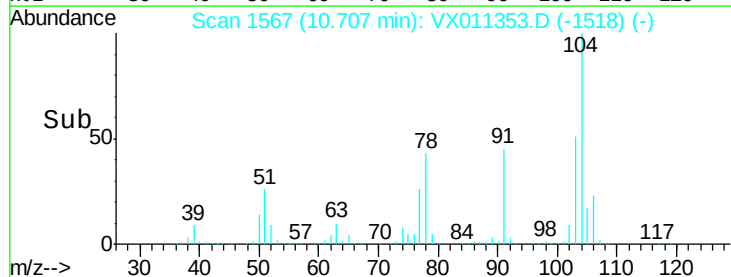
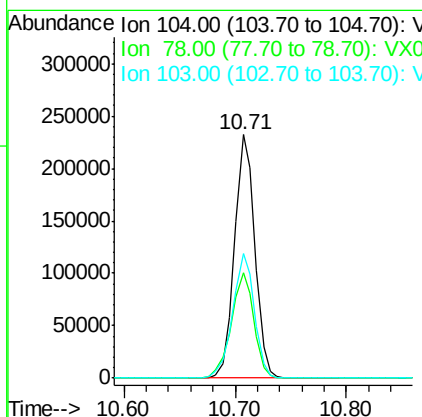
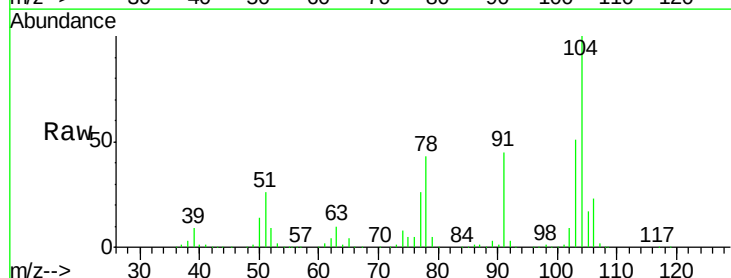
Manual Integrations
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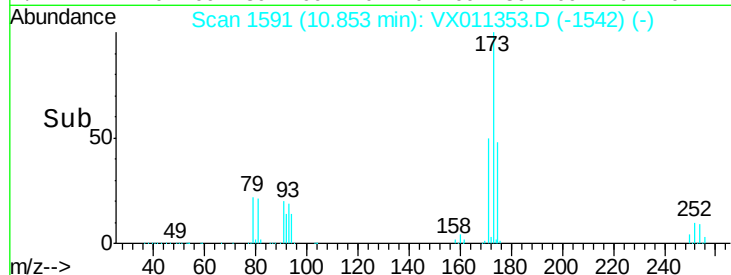
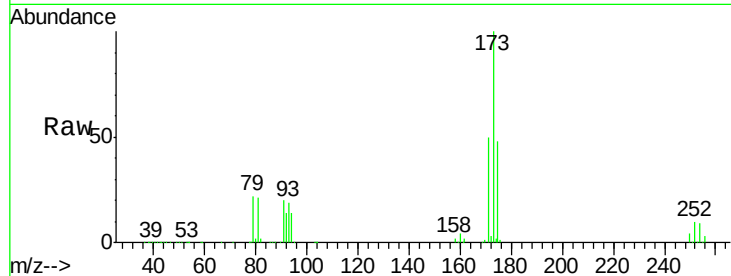
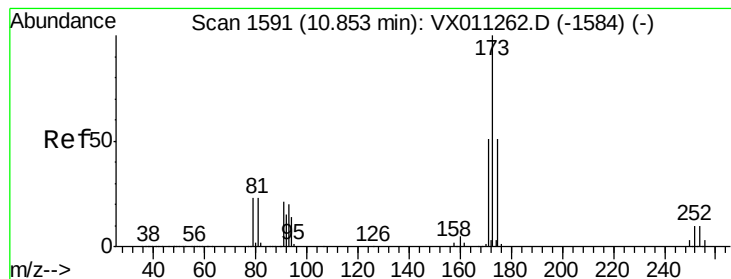
MMDadoda
8/8/2019 10:57:15 AM



#70
Styrene
Concen: 53.464 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	36.9	55.3
103	55.0	44.4	66.6





#71

Bromoform

Concen: 49.541 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.4
254	0.1	0.2	0.2

Instrument :

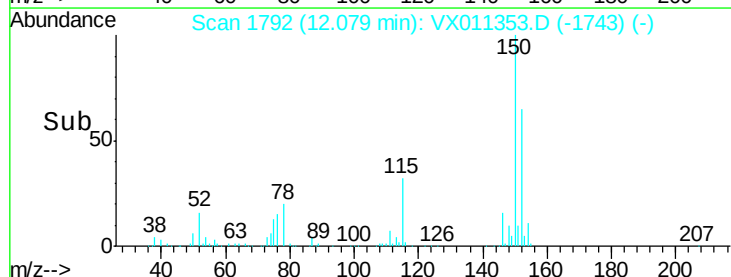
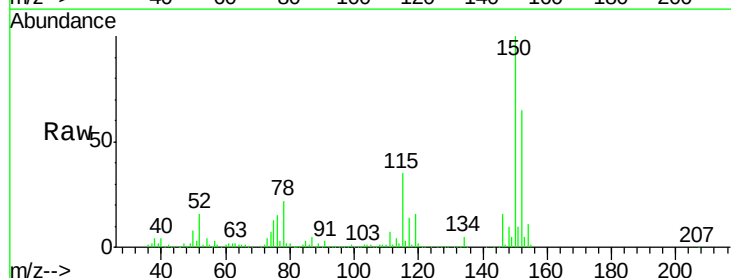
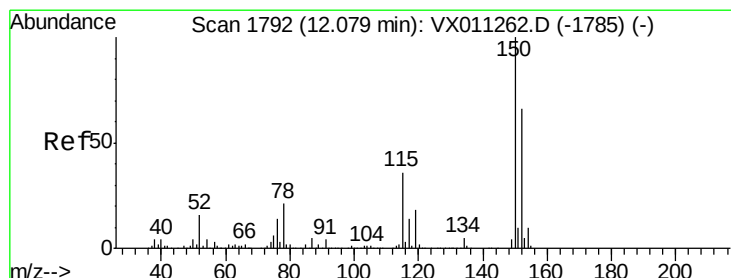
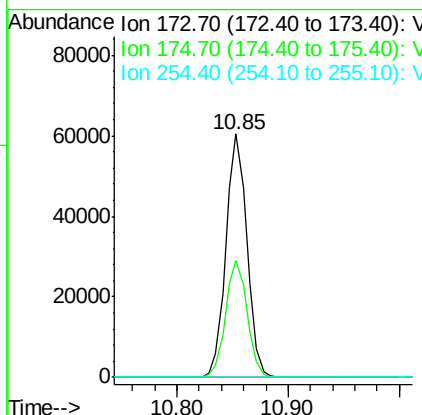
MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
8/8/2019 10:57:15 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

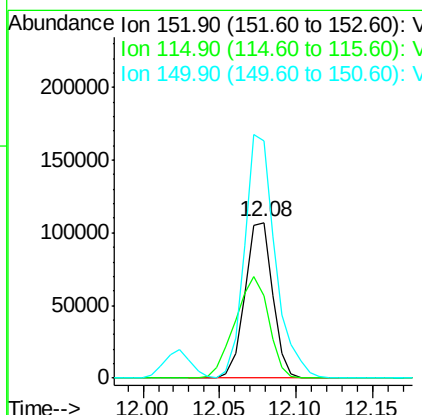
RT: 12.08 min Scan# 1792

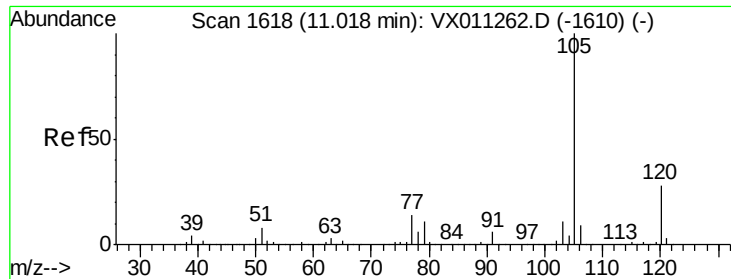
Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.8	40.0	119.9
150	172.6	0.0	350.4





#73

Isopropylbenzene

Concen: 50.241 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 462260

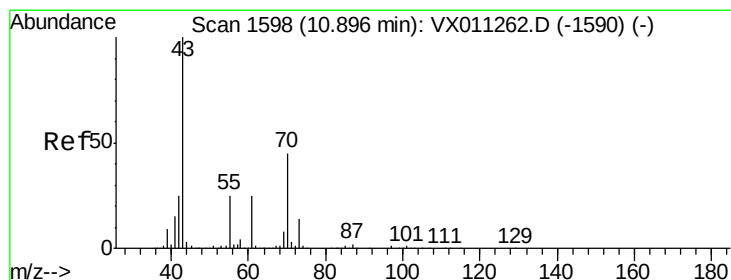
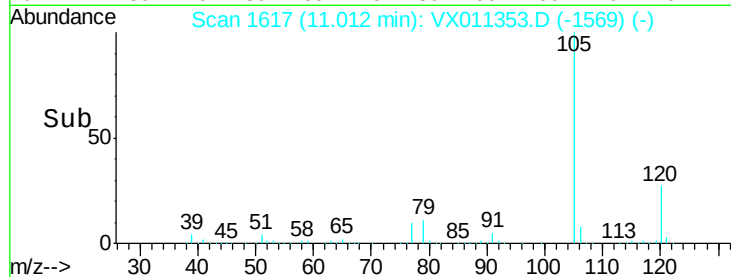
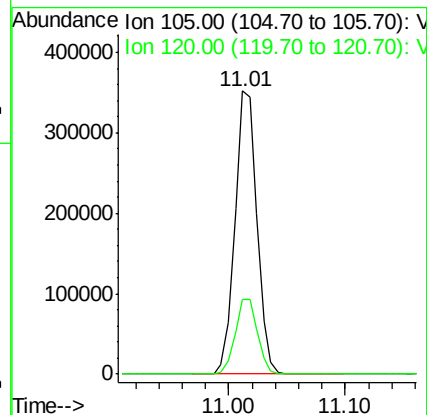
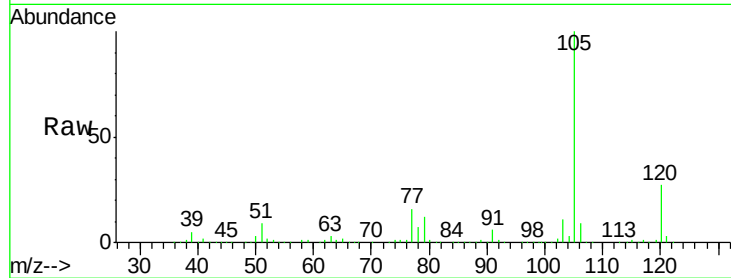
Ion Ratio Lower Upper

105 100

120 27.0 13.7 41.1

Manual Integrations
APPROVED

MMDadoda
8/8/2019 10:57:15 AM



#74

N-ethyl acetate

Concen: 52.244 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Tgt Ion: 43 Resp: 173687

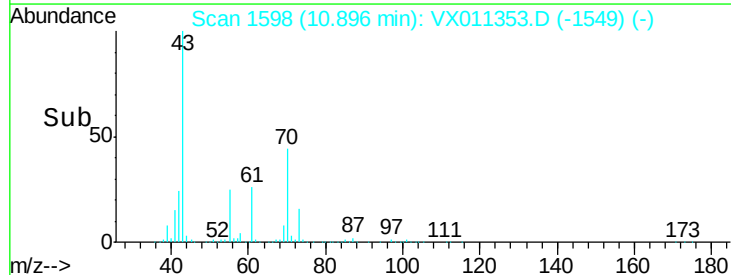
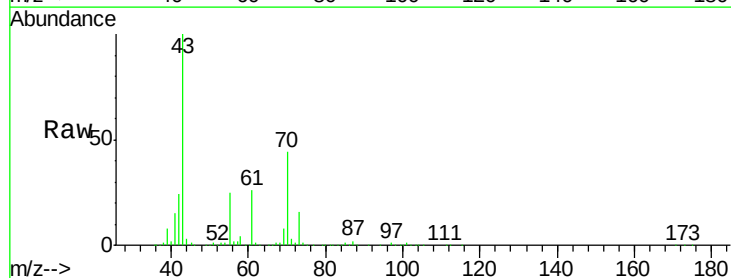
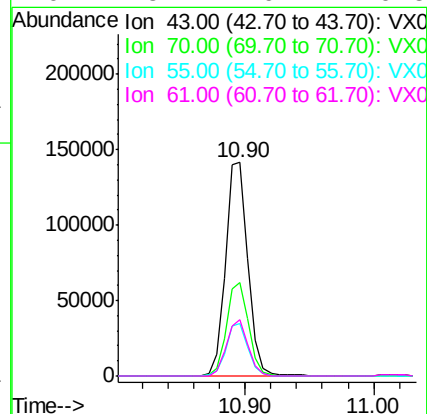
Ion Ratio Lower Upper

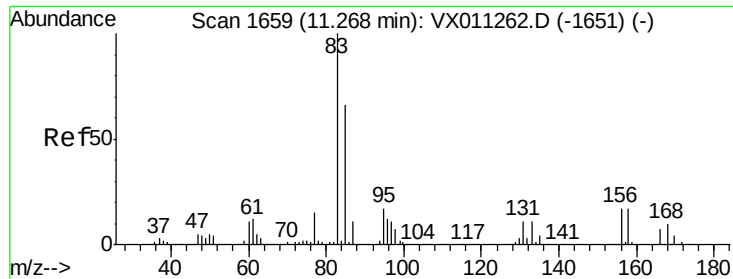
43 100

70 43.5 35.9 53.9

55 24.3 19.8 29.6

61 25.4 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.319 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

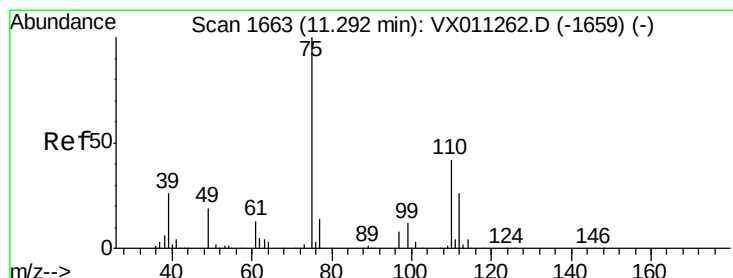
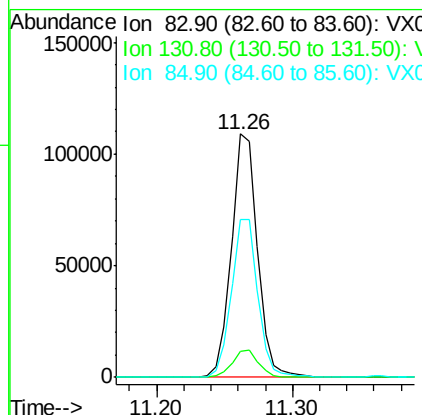
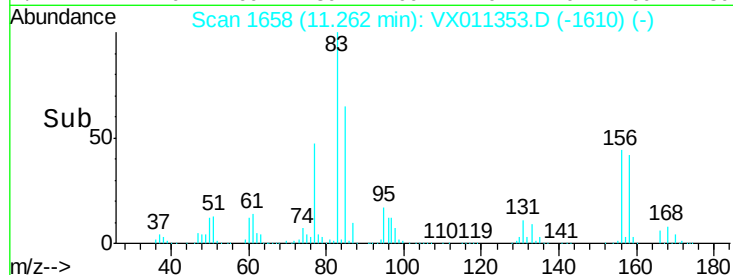
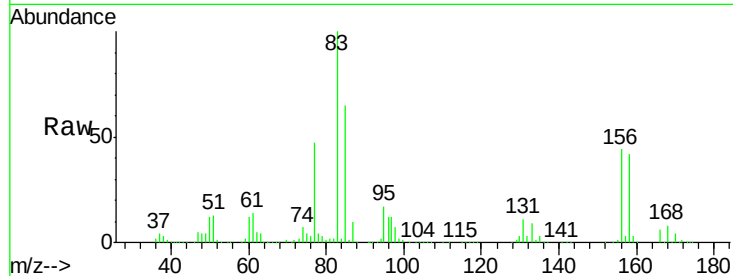
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	145087
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	66.1	32.1	96.5

Manual Integrations
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8/8/2019 10:57:15 AM



#76

1,2,3-Trichloropropane

Concen: 51.356 ug/l m

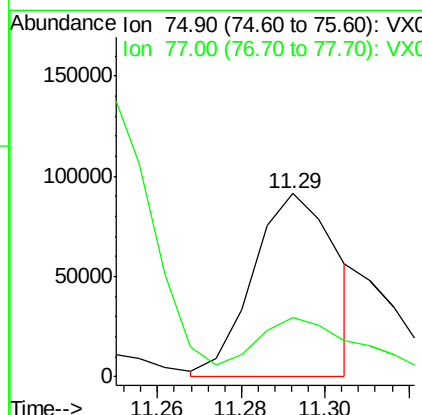
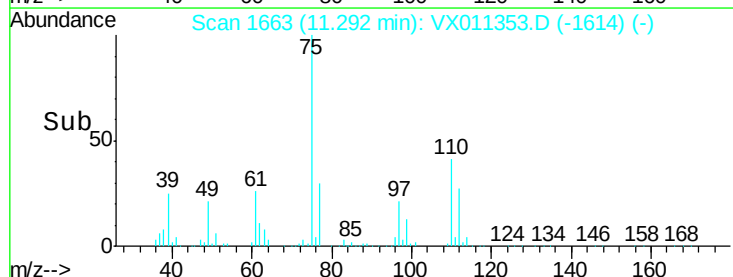
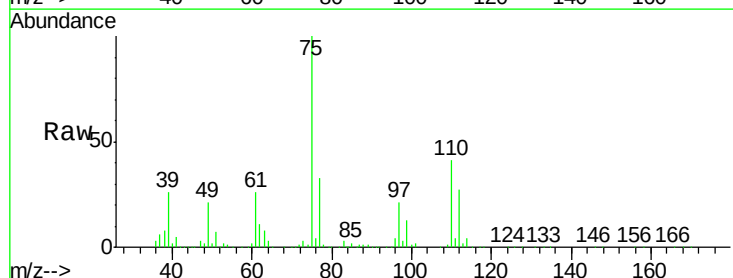
RT: 11.29 min Scan# 1663

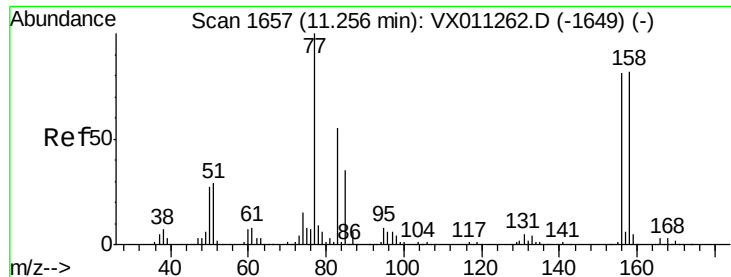
Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Tgt Ion:	75	Resp:	125817
Ion Ratio	Lower	Upper	
75	100		
77	41.4	21.1	63.4





#77

Bromobenzene

Concen: 49.140 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

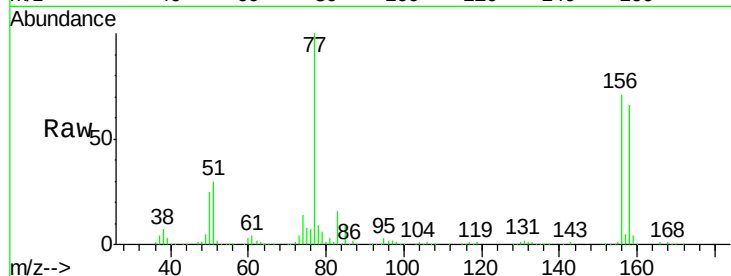
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	125373
Ion Ratio	Lower	Upper	
156	100		
77	138.2	66.2	198.6
158	95.5	49.1	147.3

Manual Integrations
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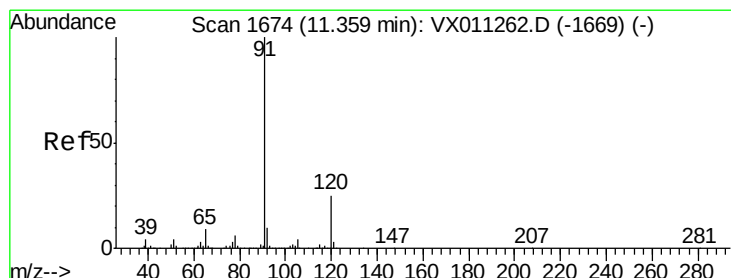
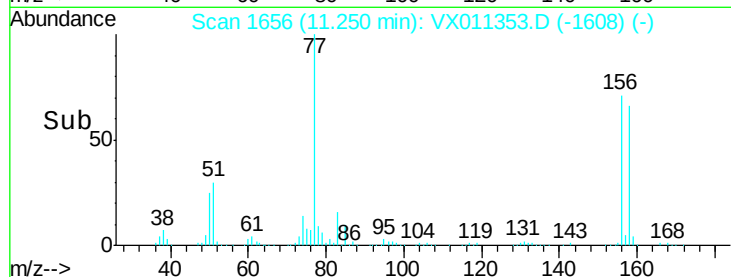
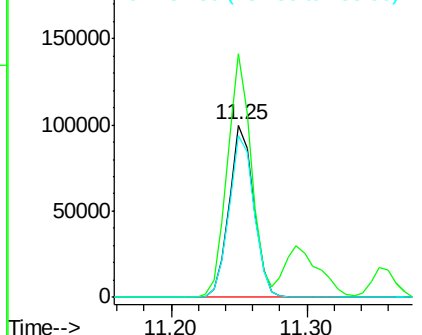
MMDadoda
8/8/2019 10:57:15 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.740 ug/l

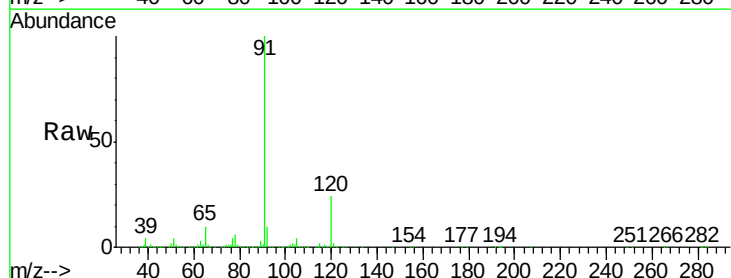
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011353.D

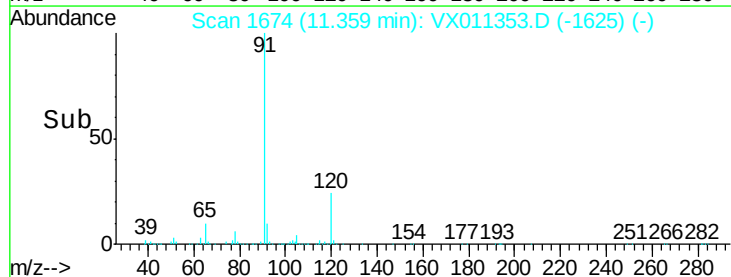
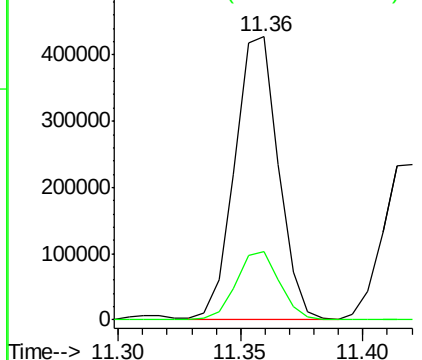
Acq: 07 Aug 2019 10:53

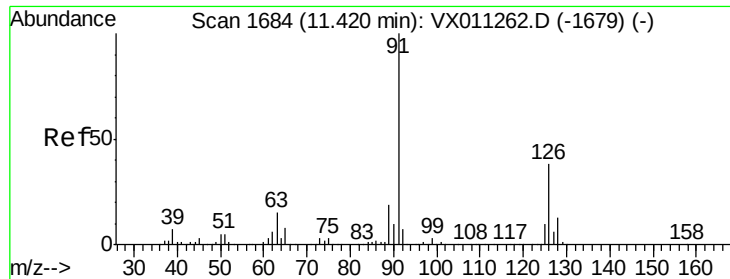
Tgt Ion:	91	Resp:	529395
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.4	37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





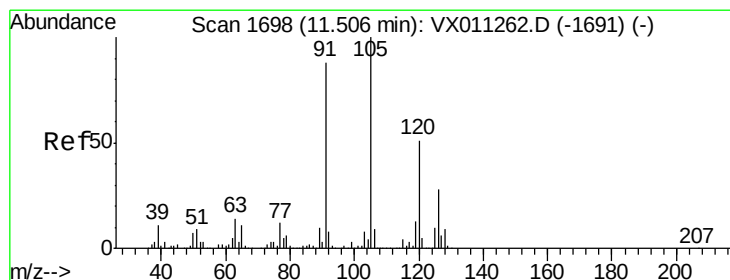
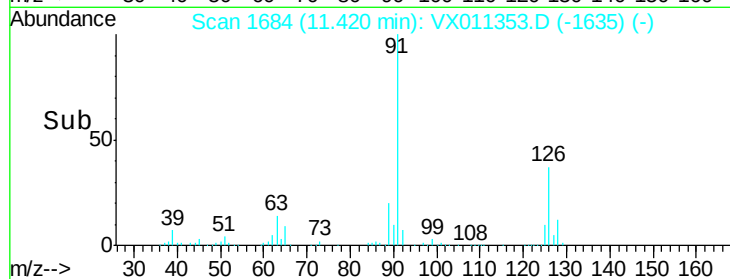
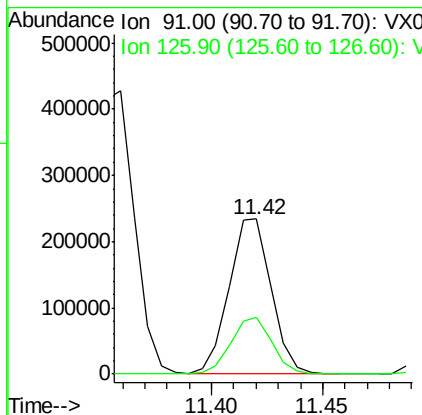
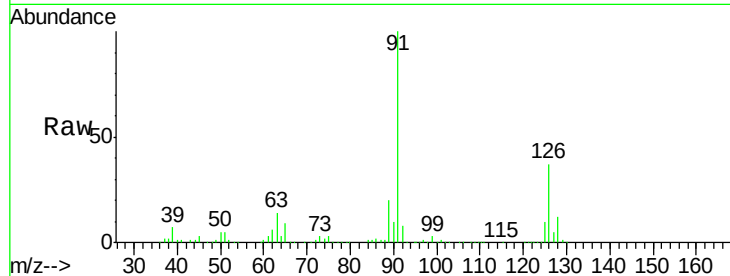
#79
 2-Chlorotoluene
 Concen: 50.309 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX011353.D
 Acq: 07 Aug 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	306810		
126	36.1	18.5	55.5	

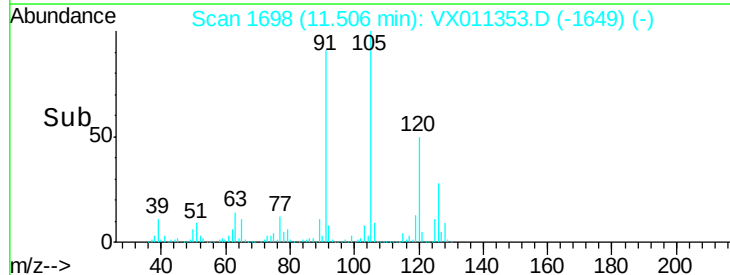
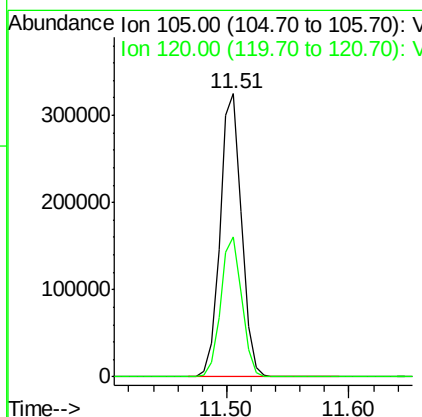
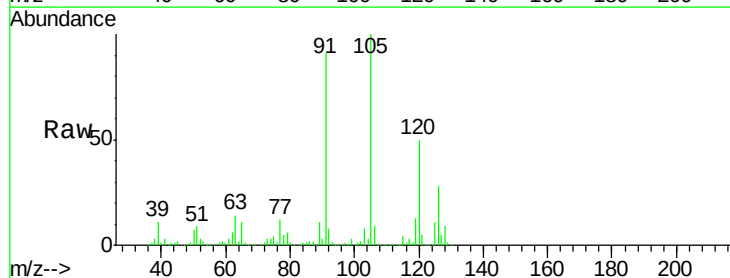
Manual Integrations
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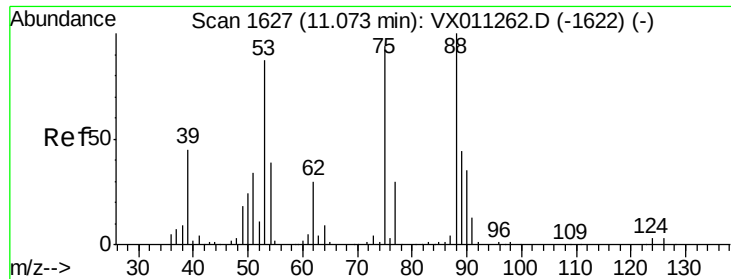
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 8/8/2019 10:57:15 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.209 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011353.D
 Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	394411		
120	49.0	25.1	75.2	





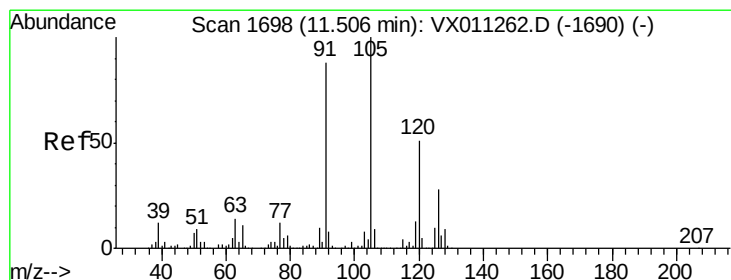
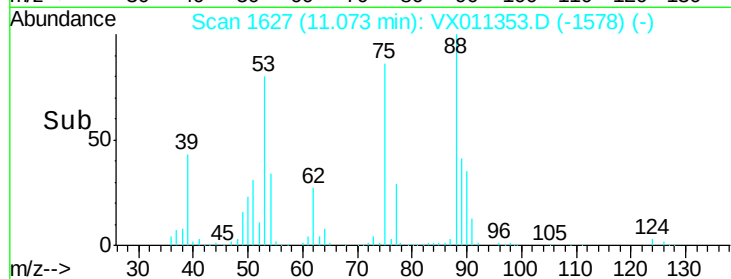
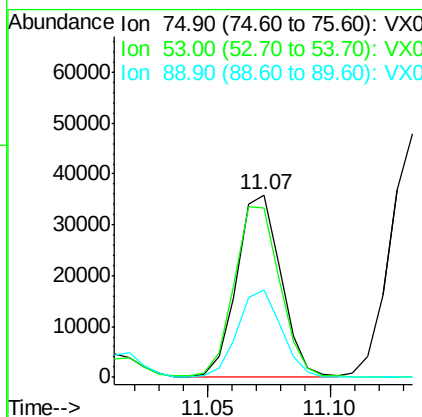
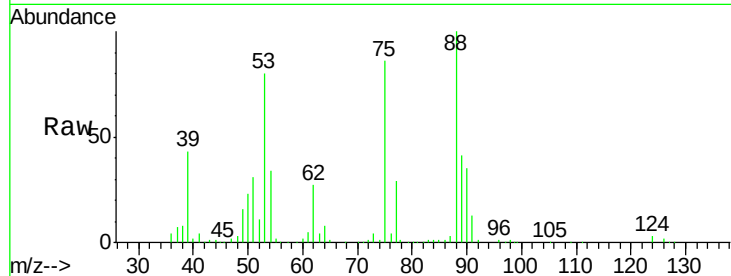
#81
trans-1,4-Dichloro-2-butene
Concen: 49.161 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.6	78.2	117.4
89	47.8	37.9	56.9

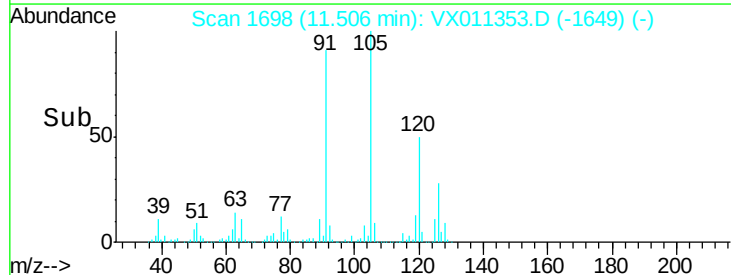
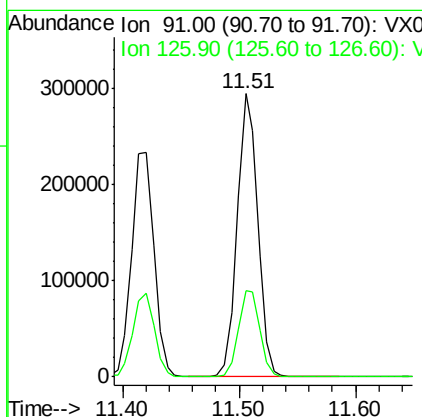
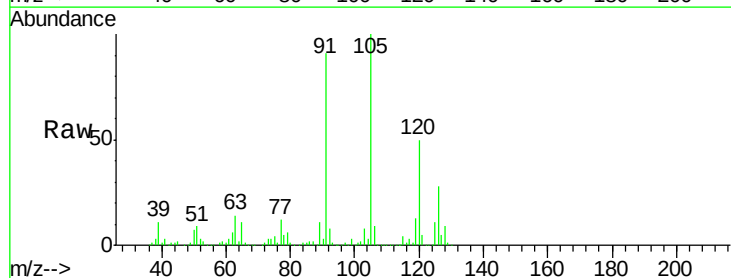
Manual Integrations
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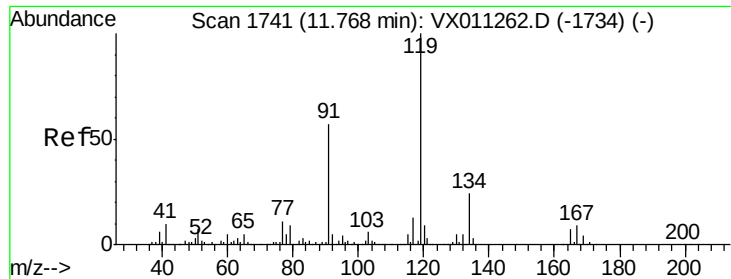
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#82
4-Chlorotoluene
Concen: 51.143 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.4	49.2





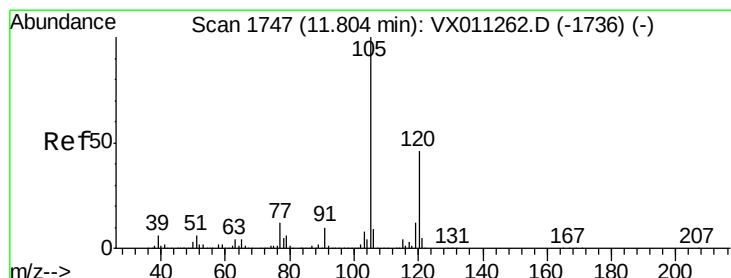
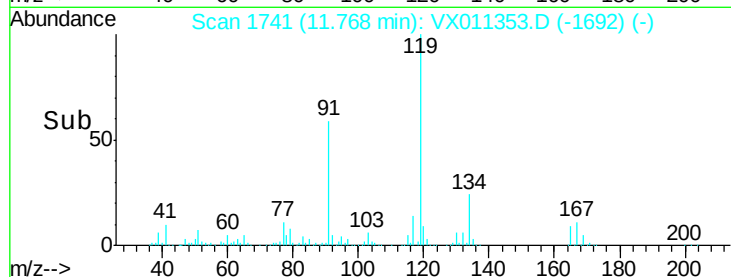
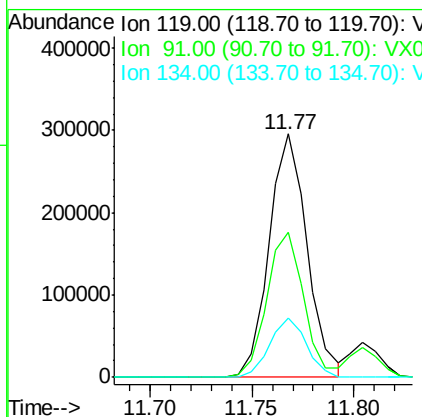
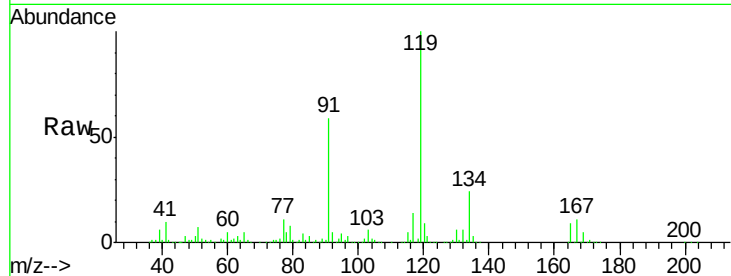
#83
 tert-Butylbenzene
 Concen: 50.866 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011353.D
 Acq: 07 Aug 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	384239		
91	58.1	28.0	84.0	
134	23.4	11.9	35.5	

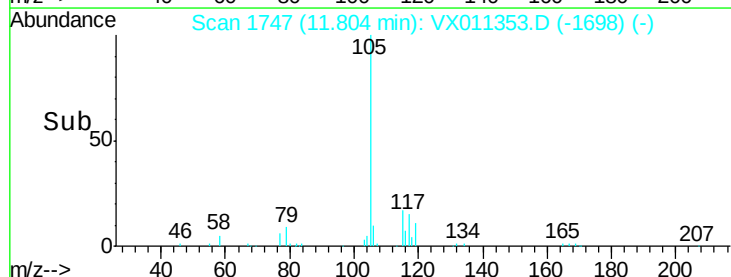
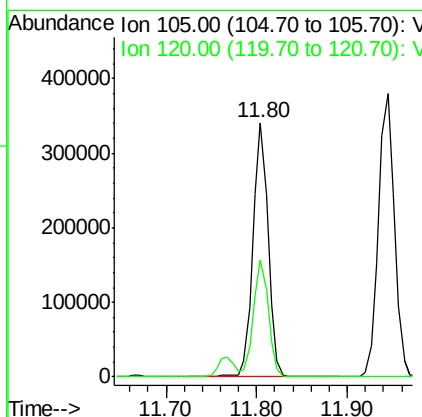
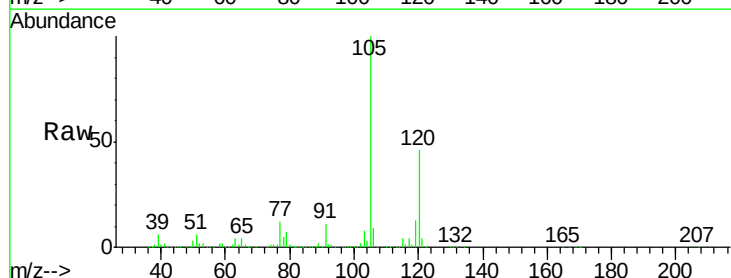
Manual Integrations
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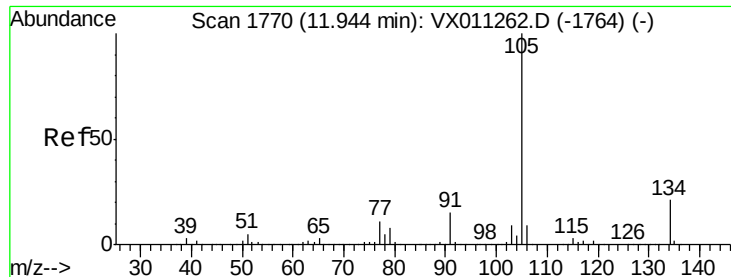
MMDadoda
 8/8/2019 10:57:15 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.519 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011353.D
 Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	395063		
120	45.8	23.0	69.0	





#85

sec-Butylbenzene

Concen: 51.141 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 464140

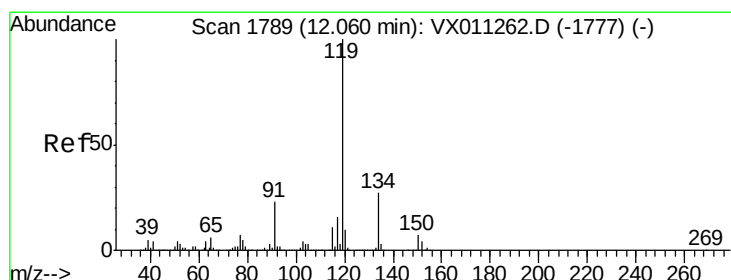
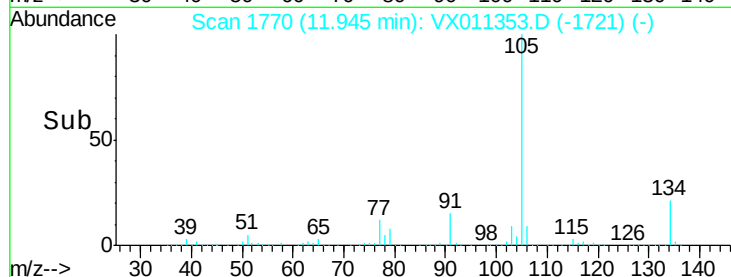
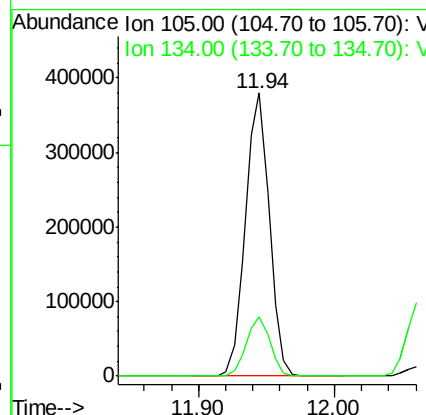
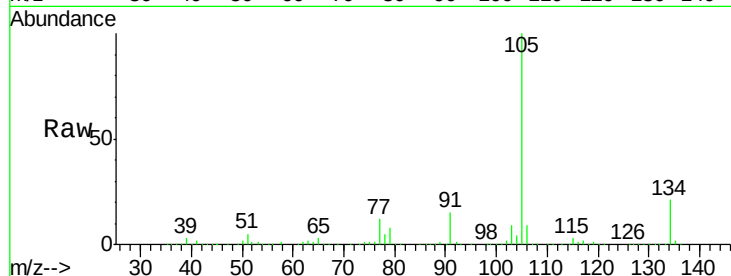
Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.4

Manual Integrations
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8/8/2019 10:57:15 AM



#86

p-Isopropyltoluene

Concen: 52.192 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

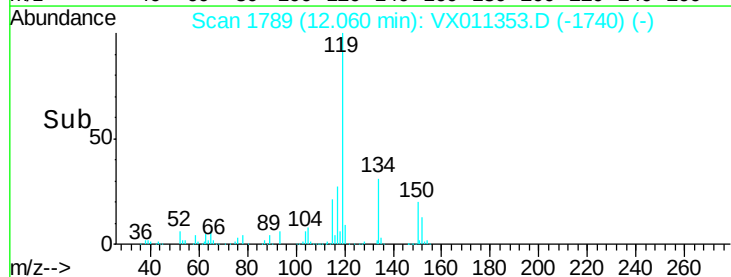
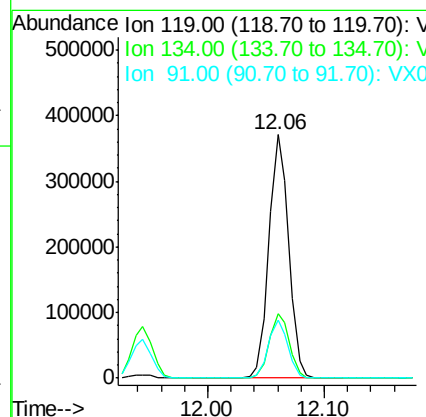
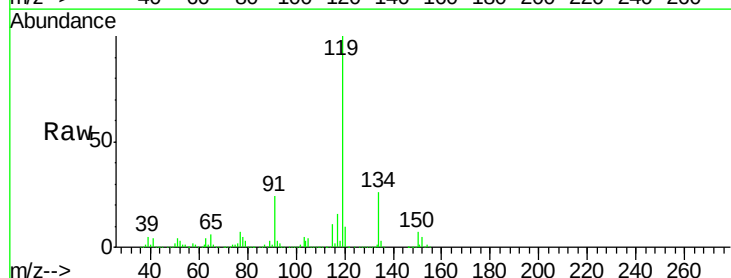
Tgt Ion:119 Resp: 435775

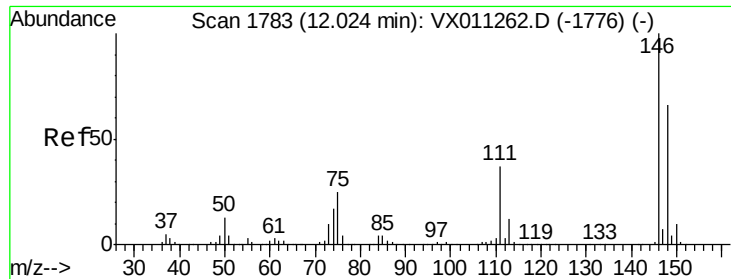
Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.0

91 23.7 11.4 34.2





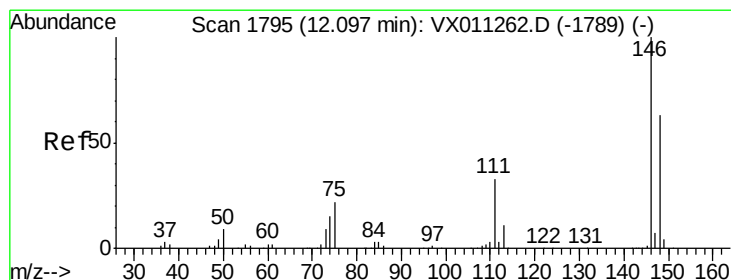
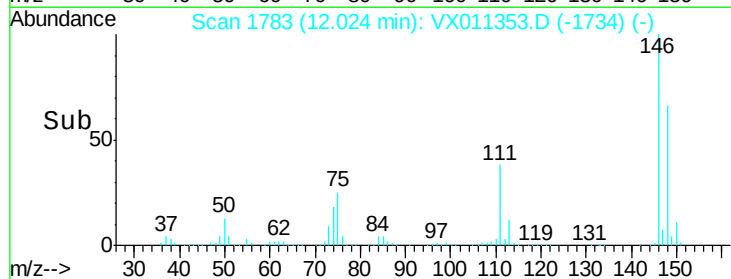
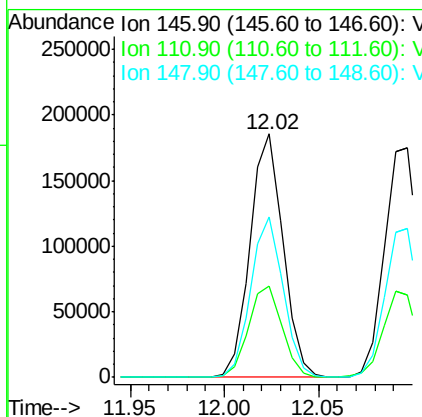
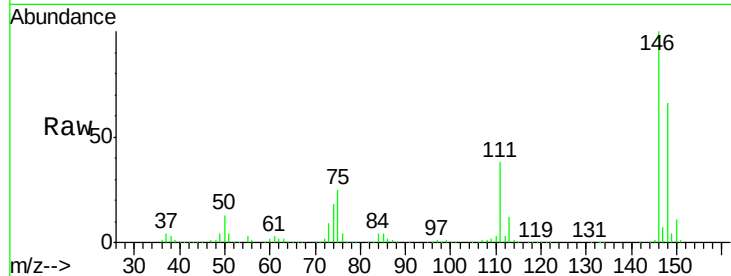
#87
 1,3-Dichlorobenzene
 Concen: 50.089 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011353.D
 Acq: 07 Aug 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	55.8
148	65.0	32.5	97.5

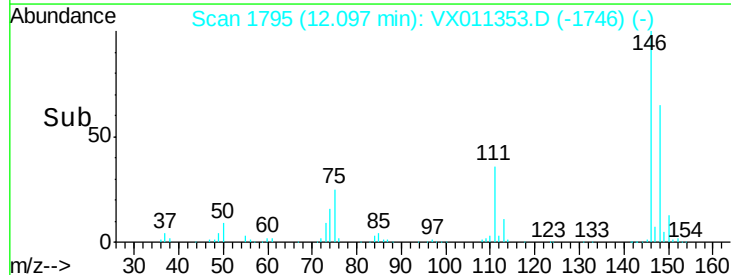
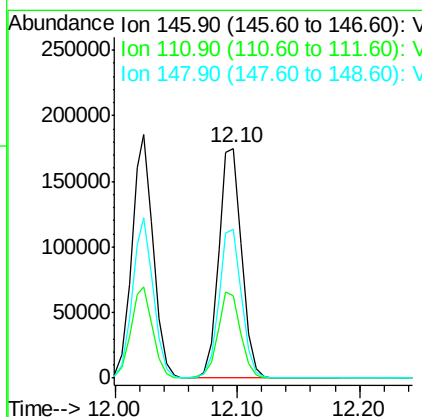
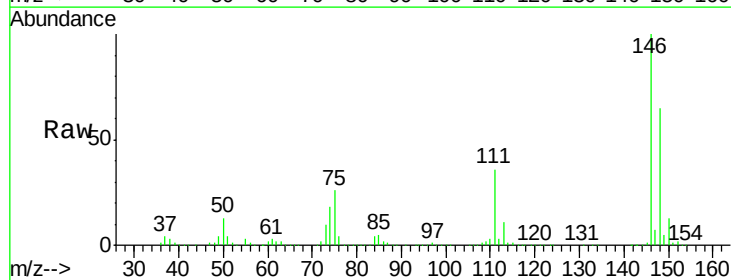
Manual Integrations
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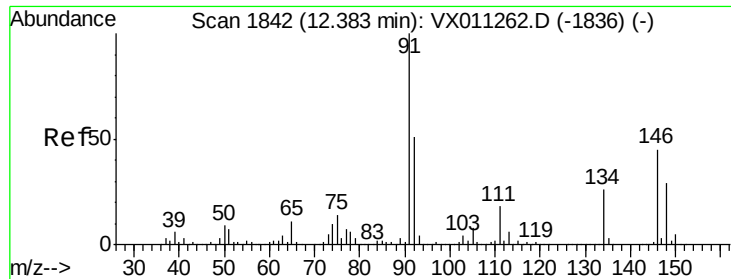
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#88
 1,4-Dichlorobenzene
 Concen: 49.022 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011353.D
 Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	17.8	53.4
148	63.8	31.8	95.3





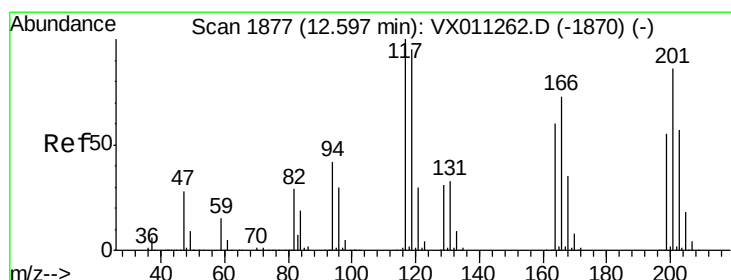
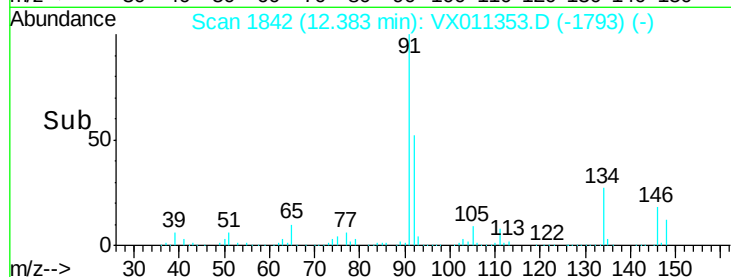
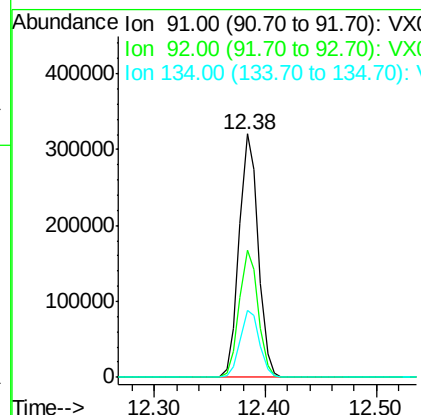
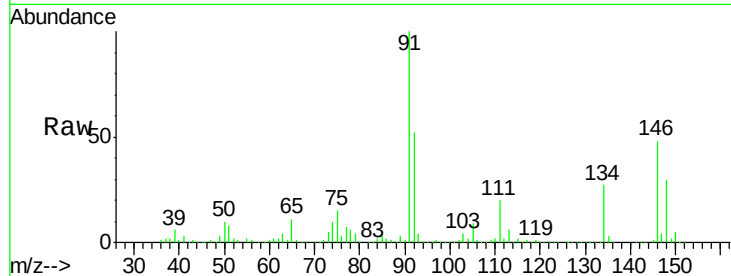
#89
n-Butylbenzene
Concen: 52.754 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		379473		
92	52.3	25.8	77.3		
134	28.0	13.7	41.0		

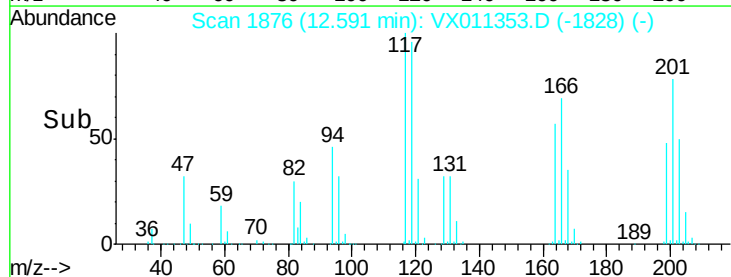
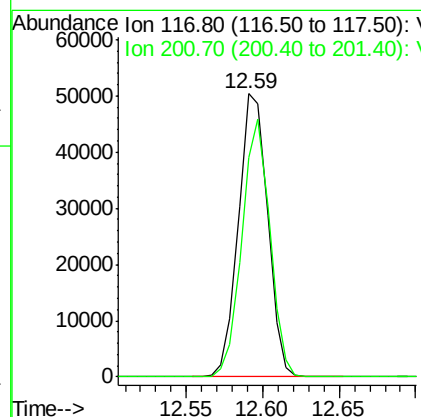
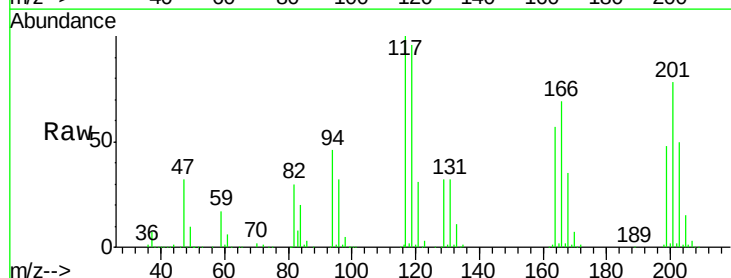
Manual Integrations
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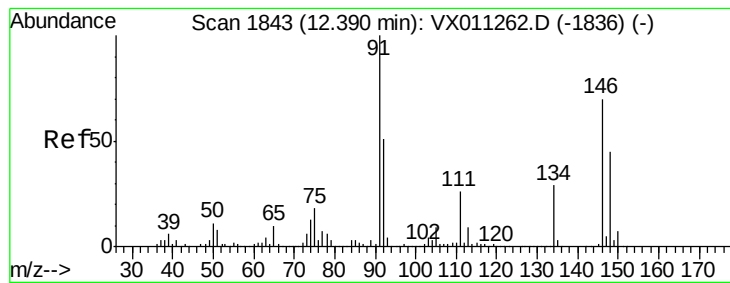
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#90
Hexachloroethane
Concen: 54.239 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		66953		
201	86.7	41.8	125.4		





#91

1,2-Dichlorobenzene

Concen: 49.214 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Instrument :

MSVOA_X

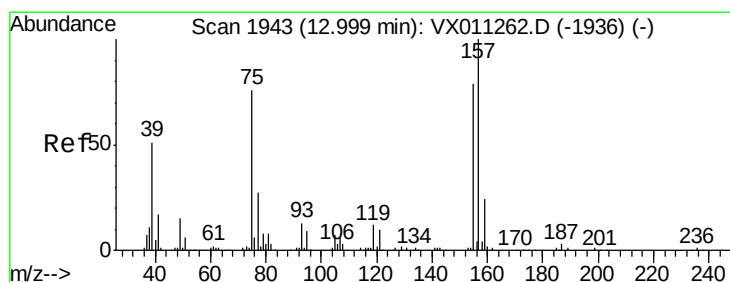
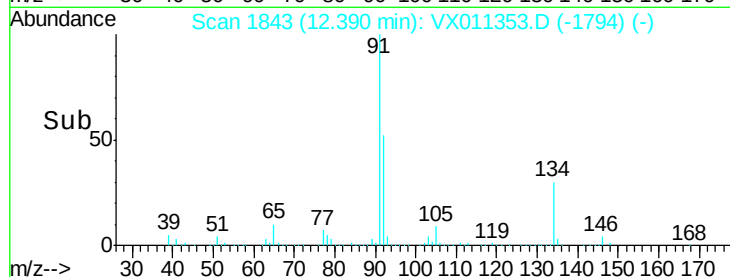
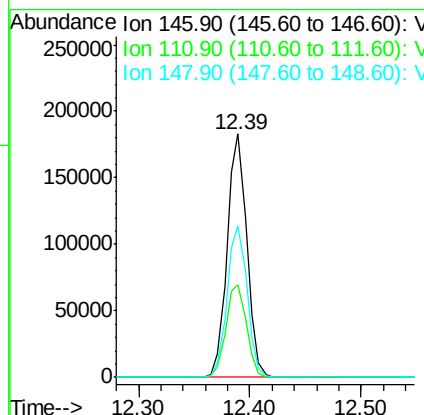
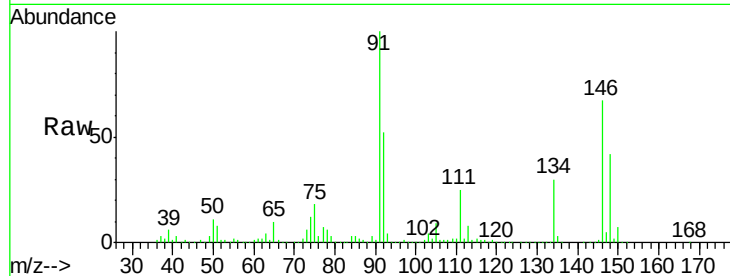
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	222915
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.1	57.1
148	63.4	32.3	96.8

Manual Integrations
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8/8/2019 10:57:15 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.791 ug/l

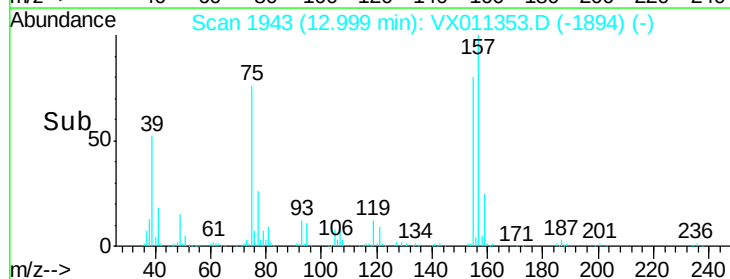
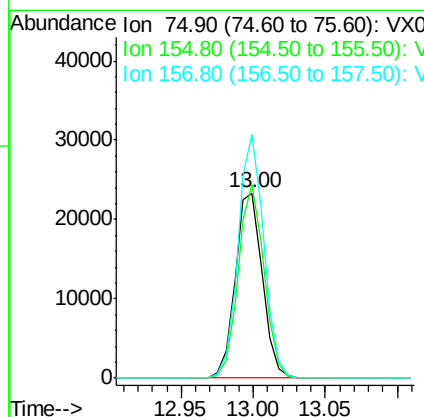
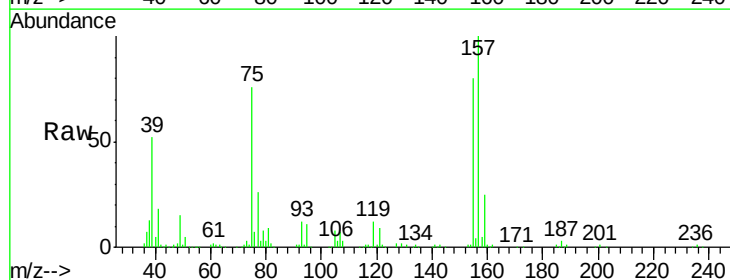
RT: 13.00 min Scan# 1943

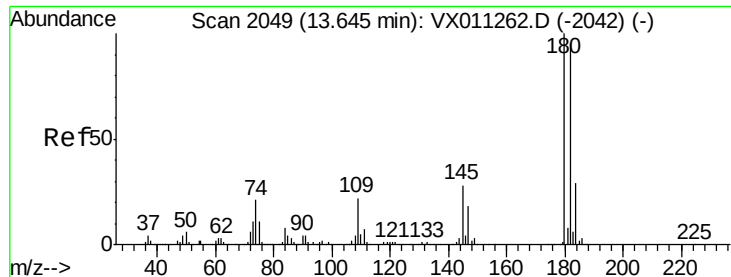
Delta R.T. 0.00 min

Lab File: VX011353.D

Acq: 07 Aug 2019 10:53

Tgt Ion:	75	Resp:	30766
Ion Ratio	Lower	Upper	
75	100		
155	98.7	51.9	155.8
157	123.9	64.3	192.7





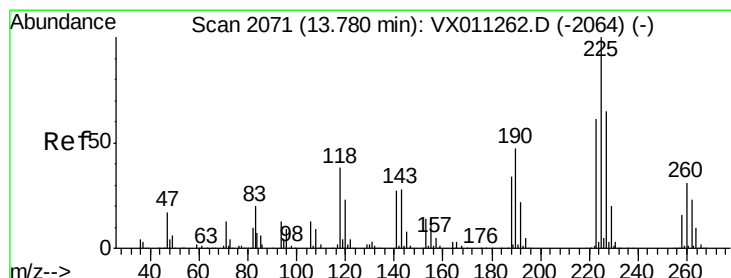
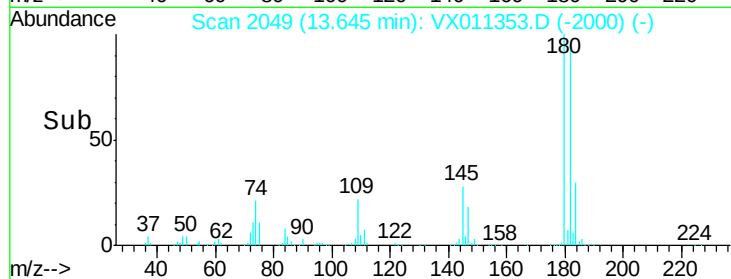
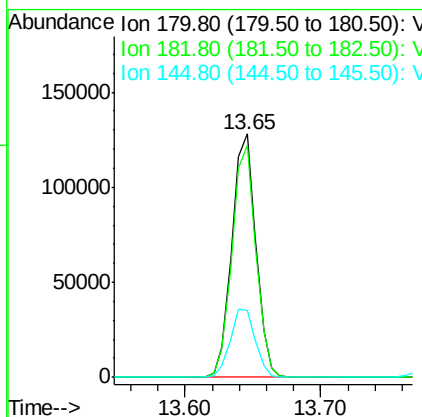
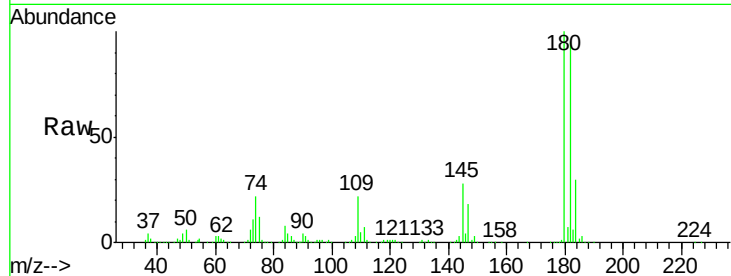
#93
 1,2,4-Trichlorobenzene
 Concen: 52.318 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011353.D
 Acq: 07 Aug 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	157157
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.8	143.4
145	29.4	14.8	44.3

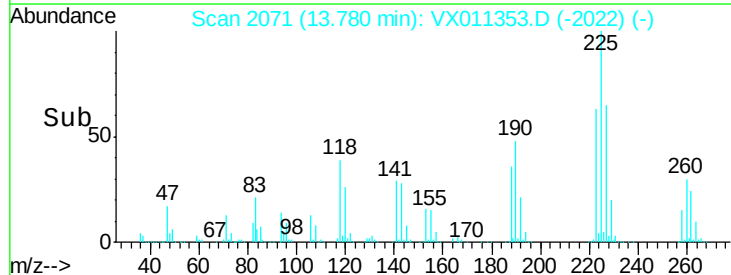
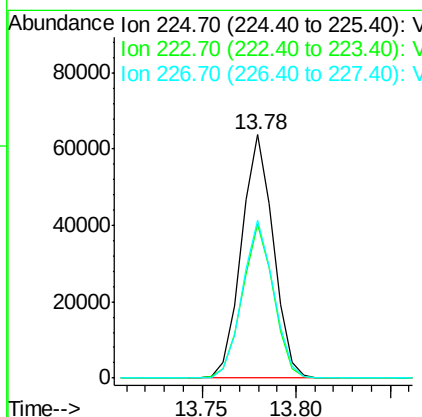
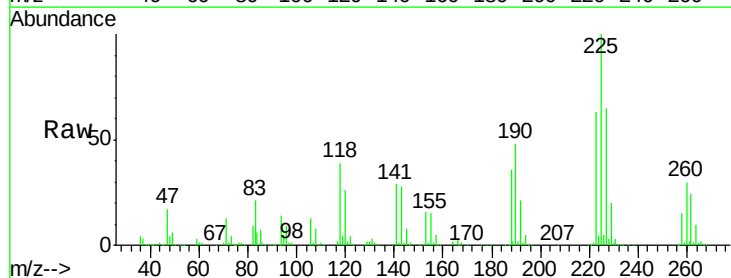
Manual Integrations
 APPROVED

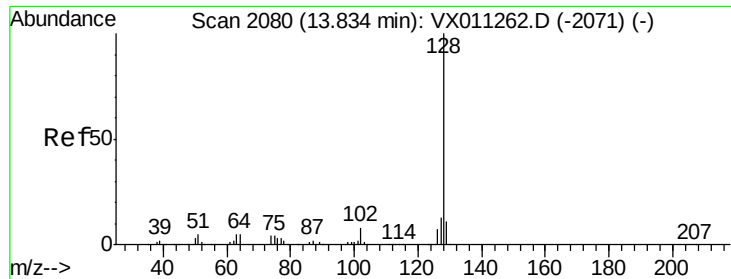
MMDadoda
 8/8/2019 10:57:15 AM



#94
 Hexachlorobutadiene
 Concen: 48.978 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011353.D
 Acq: 07 Aug 2019 10:53

Tgt Ion:	225	Resp:	74644
Ion Ratio	Lower	Upper	
225	100		
223	61.8	31.0	93.0
227	63.6	32.2	96.6





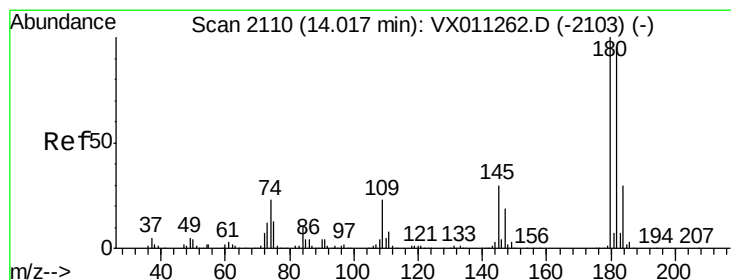
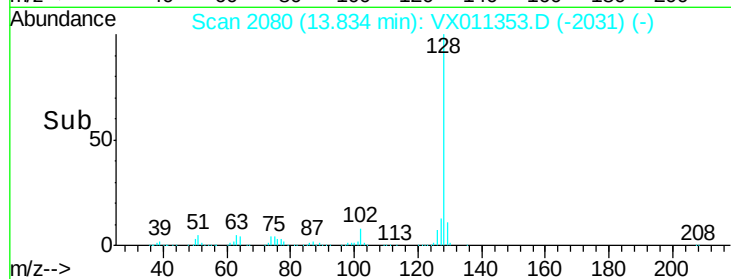
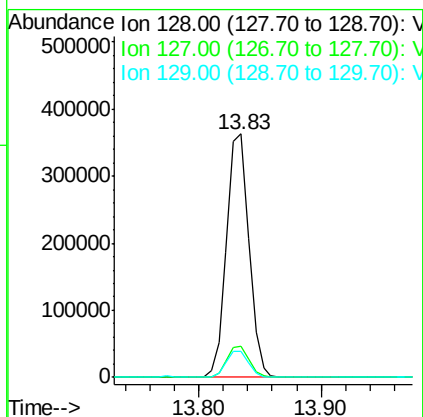
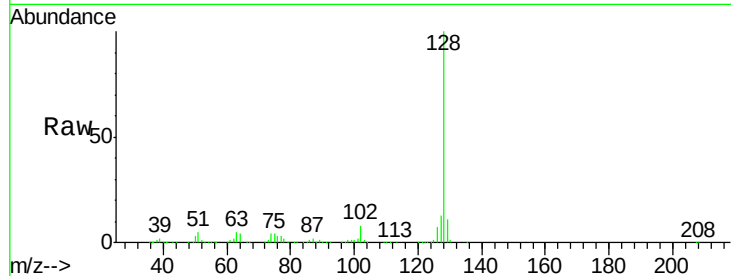
#95
Naphthalene
Concen: 52.401 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	460314		
127	12.8		10.4	15.6
129	10.9		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/8/2019 10:57:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.201 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011353.D
Acq: 07 Aug 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	156360		
182	95.3		47.4	142.3
145	31.2		15.2	45.6

