

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080519\
 Data File : VX011339.D
 Acq On : 05 Aug 2019 20:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 4:48:47 PM

Quant Time: Aug 06 04:17:34 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	5.66	168	158316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	233125	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	221965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120954	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	79489	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
35) Dibromofluoromethane	5.49	113	72989	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
50) Toluene-d8	8.71	98	273340	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
62) 4-Bromofluorobenzene	11.13	95	100913	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	55551	45.432	ug/l	100
3) Chloromethane	1.32	50	61596	44.859	ug/l	99
4) Vinyl Chloride	1.40	62	69025	45.700	ug/l	100
5) Bromomethane	1.63	94	44060	40.902	ug/l	100
6) Chloroethane	1.71	64	47456	50.792	ug/l	96
7) Trichlorofluoromethane	1.92	101	127192	47.361	ug/l	97
8) Diethyl Ether	2.18	74	43239	45.090	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	66761	45.944	ug/l	99
10) Methyl Iodide	2.50	142	84374	46.056	ug/l	99
11) Tert butyl alcohol	3.04	59	78571	247.140	ug/l	99
12) 1,1-Dichloroethene	2.37	96	65622	45.557	ug/l	95
13) Acrolein	2.29	56	44695	226.178	ug/l	98
14) Allyl chloride	2.72	41	95815	49.897	ug/l	98
15) Acrylonitrile	3.14	53	192322	253.500	ug/l	99
16) Acetone	2.44	43	159456	210.123	ug/l	99
17) Carbon Disulfide	2.56	76	156329	46.249	ug/l	99
18) Methyl Acetate	2.77	43	88287	50.909	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	210742	49.647	ug/l	99
20) Methylene Chloride	2.85	84	75849	45.638	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	70808	46.471	ug/l	94
22) Diisopropyl ether	3.85	45	208560	49.417	ug/l	99
23) Vinyl Acetate	3.81	43	915555	261.553	ug/l	99
24) 1,1-Dichloroethane	3.69	63	118791	47.734	ug/l	99
25) 2-Butanone	4.67	43	262118	242.816	ug/l	97
26) 2,2-Dichloropropane	4.58	77	85568	44.232	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	82389	46.944	ug/l	99
28) Bromochloromethane	5.01	49	55946	49.312	ug/l	98
29) Tetrahydrofuran	5.12	42	167822	253.550	ug/l	99
30) Chloroform	5.20	83	130840	48.373	ug/l	98
31) Cyclohexane	5.57	56	96068	46.790	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	114138	49.260	ug/l	99
36) 1,1-Dichloropropene	5.79	75	94039	46.202	ug/l	99
37) Ethyl Acetate	4.83	43	102494	50.201	ug/l	99
38) Carbon Tetrachloride	5.78	117	100565	49.110	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	107726	44.651	ug/l	96
40) Benzene	6.13	78	290220	47.782	ug/l	98
41) Methacrylonitrile	5.04	41	53415	47.906	ug/l	97
42) 1,2-Dichloroethane	6.18	62	101938	49.633	ug/l	98
43) Isopropyl Acetate	6.44	43	161617	49.513	ug/l	100
44) Trichloroethene	7.21	130	85254	46.373	ug/l	96
45) 1,2-Dichloropropane	7.51	63	74028	47.062	ug/l	99
46) Dibromomethane	7.66	93	53858	46.902	ug/l	96
47) Bromodichloromethane	7.90	83	100124	51.499	ug/l	98
48) Methyl methacrylate	7.77	41	80289	52.266	ug/l	98
49) 1,4-Dioxane	7.73	88	40297	904.854	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	549299	260.757	ug/l	99
52) Toluene	8.78	92	195386	48.654	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	104844	46.515	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	115407	50.816	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	81928	49.620	ug/l	98
56) Ethyl methacrylate	9.18	69	119959	50.983	ug/l	98
57) 1,3-Dichloropropane	9.37	76	126783	48.553	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	288436	249.314	ug/l	100
59) 2-Hexanone	9.49	43	426511	261.397	ug/l	98
60) Dibromochloromethane	9.58	129	86782	51.337	ug/l	99
61) 1,2-Dibromoethane	9.67	107	88243	49.467	ug/l	99
64) Tetrachloroethene	9.34	164	77398	41.060	ug/l	99
65) Chlorobenzene	10.13	112	220023	46.231	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	81890	50.260	ug/l	98
67) Ethyl Benzene	10.25	91	378529	47.491	ug/l	97
68) m/p-Xylenes	10.36	106	295242	95.765	ug/l	98
69) o-Xylene	10.69	106	144242	47.618	ug/l	99
70) Styrene	10.71	104	248487	49.577	ug/l	99
71) Bromoform	10.85	173	65983	45.559	ug/l	98
73) Isopropylbenzene	11.02	105	388414	46.953	ug/l	100
74) N-amyl acetate	10.90	43	152956	51.172	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	132780	48.165	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	110077m	49.973	ug/l	
77) Bromobenzene	11.25	156	104821	45.696	ug/l	98
78) n-propylbenzene	11.36	91	435286	47.317	ug/l	99
79) 2-Chlorotoluene	11.42	91	257295	46.925	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	327601	47.308	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	36060	44.283	ug/l	99
82) 4-Chlorotoluene	11.51	91	299421	46.856	ug/l	99
83) tert-Butylbenzene	11.77	119	325944	47.991	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	331219	48.040	ug/l	100
85) sec-Butylbenzene	11.94	105	384698	47.144	ug/l	100
86) p-Isopropyltoluene	12.06	119	355895	47.409	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	187147	46.174	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	189741	45.399	ug/l	98
89) n-Butylbenzene	12.38	91	303592	46.942	ug/l	99
90) Hexachloroethane	12.59	117	56477	50.887	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	187433	46.025	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	27948	52.327	ug/l	94

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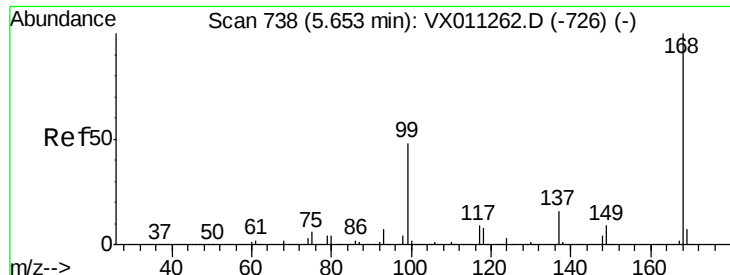
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	126169	46.716	ug/l	100
94) Hexachlorobutadiene	13.78	225	63099	46.049	ug/l	99
95) Naphthalene	13.83	128	390104	49.392	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	128222	46.699	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 158316

Ion Ratio Lower Upper

168 100

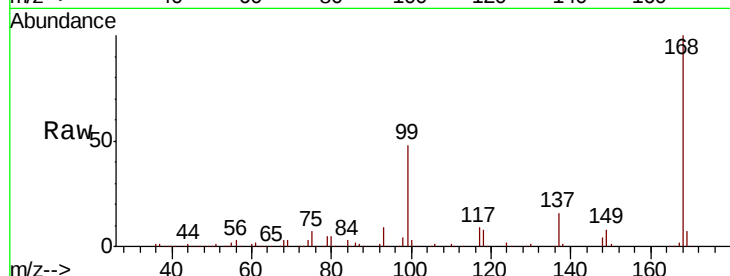
99 48.0 38.5 57.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

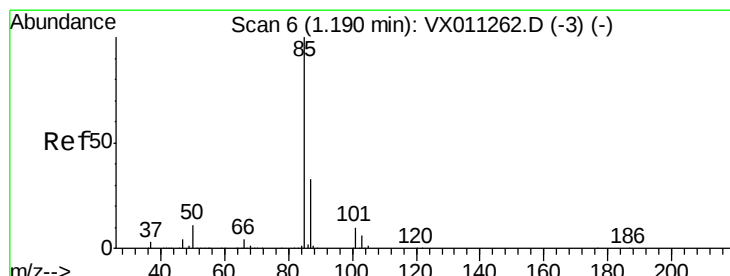
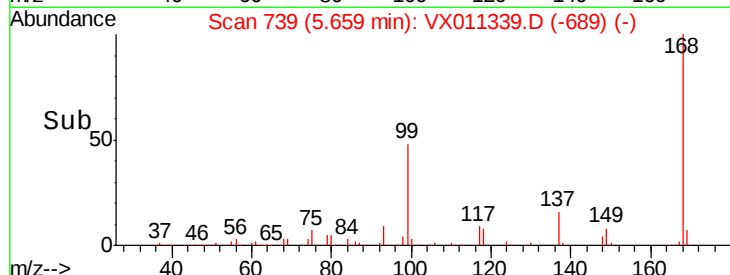
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 45.432 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011339.D

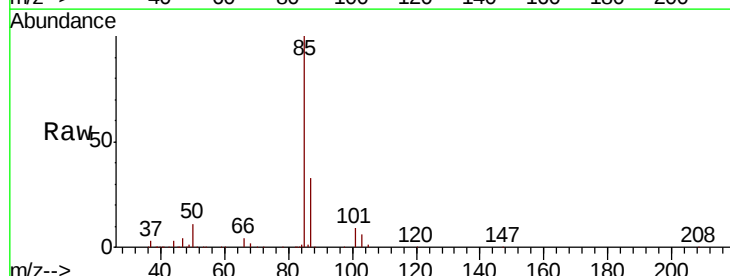
Acq: 05 Aug 2019 20:21

Tgt Ion: 85 Resp: 55551

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

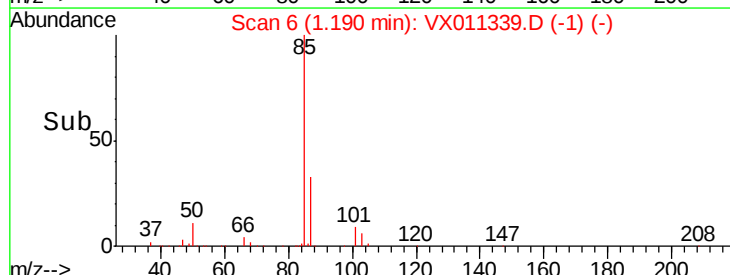
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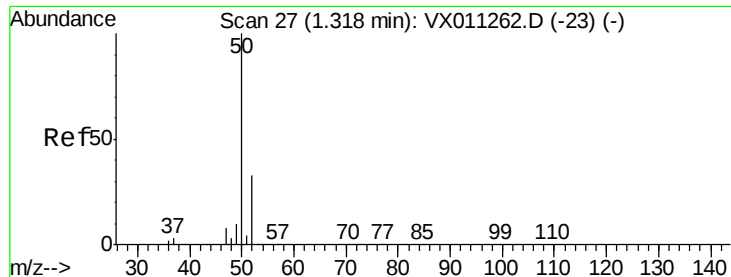
40000

20000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 44.859 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 61596

Ion Ratio Lower Upper

50 100

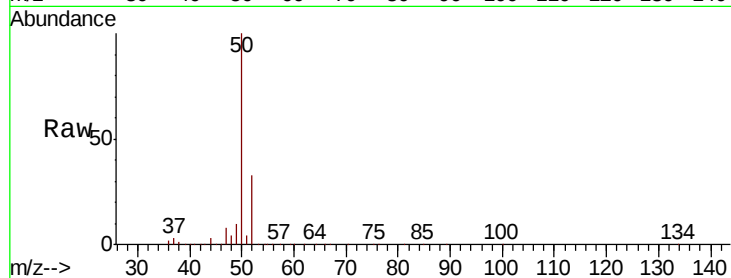
52 32.5 26.4 39.6

Manual Integrations

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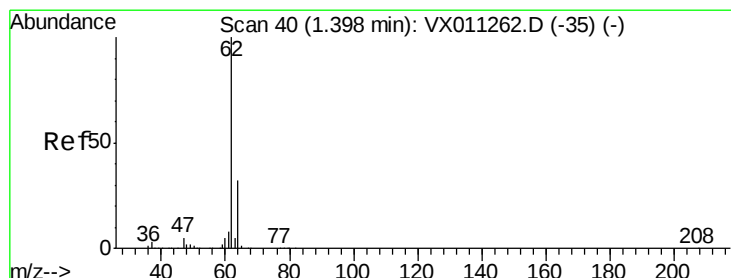
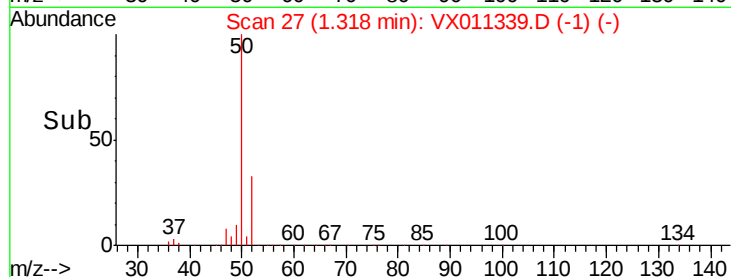
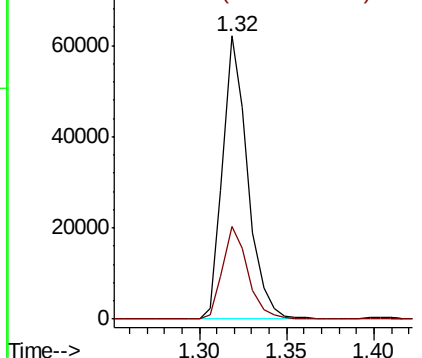
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.700 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011339.D

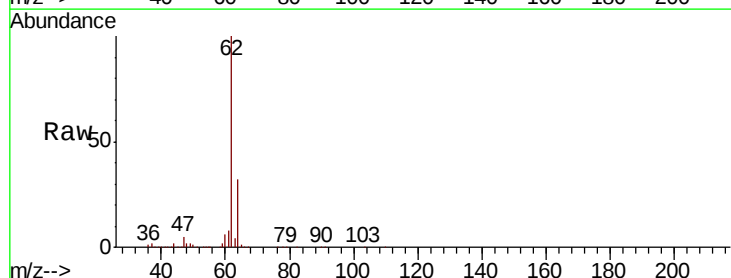
Acq: 05 Aug 2019 20:21

Tgt Ion: 62 Resp: 69025

Ion Ratio Lower Upper

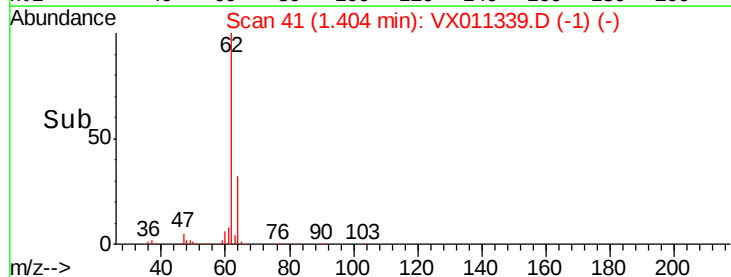
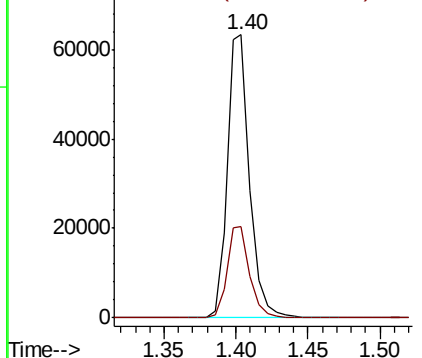
62 100

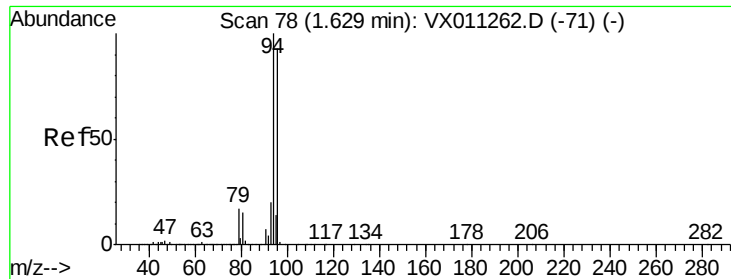
64 32.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 40.902 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 44060

Ion Ratio Lower Upper

94 100

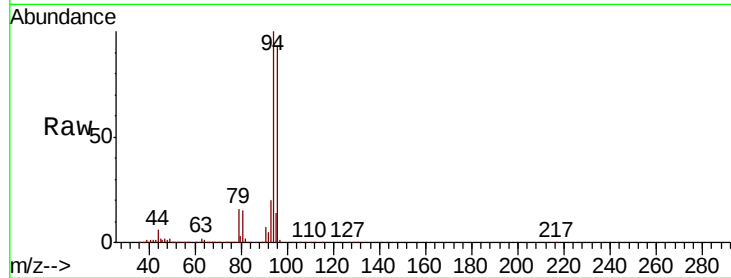
96 93.3 74.6 112.0

Manual Integrations

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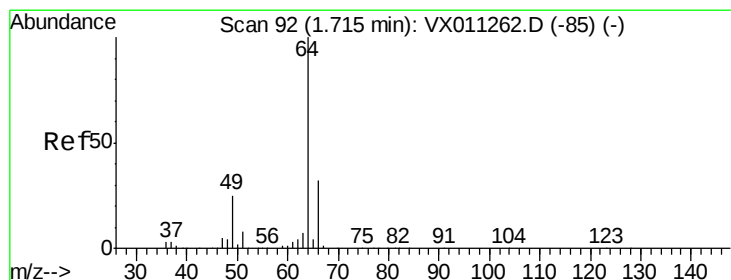
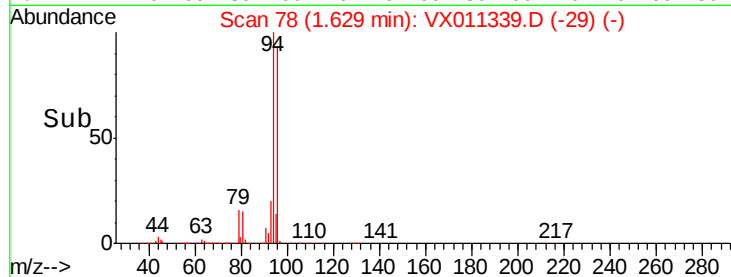
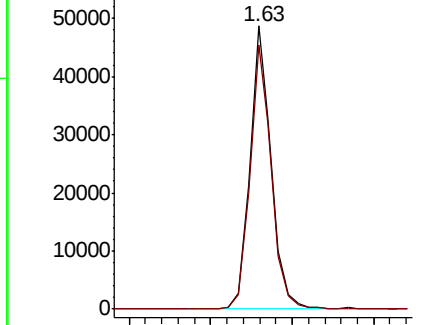
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.792 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011339.D

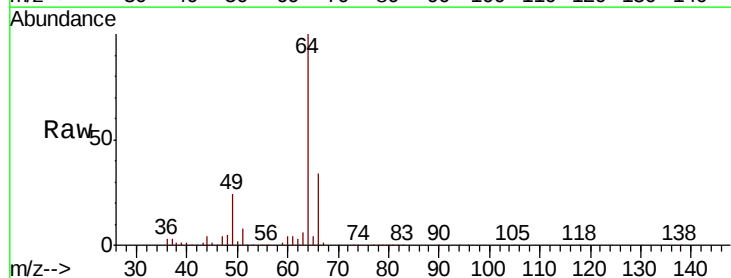
Acq: 05 Aug 2019 20:21

Tgt Ion: 64 Resp: 47456

Ion Ratio Lower Upper

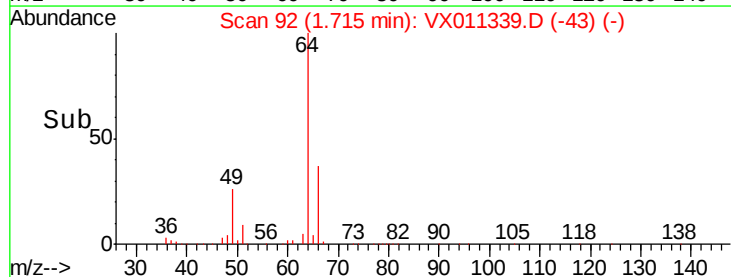
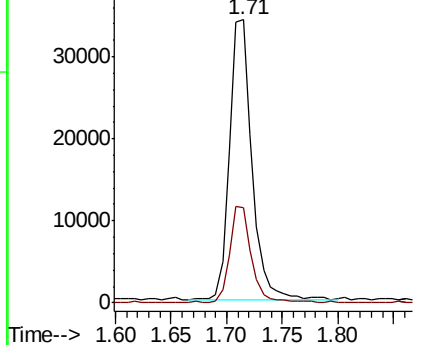
64 100

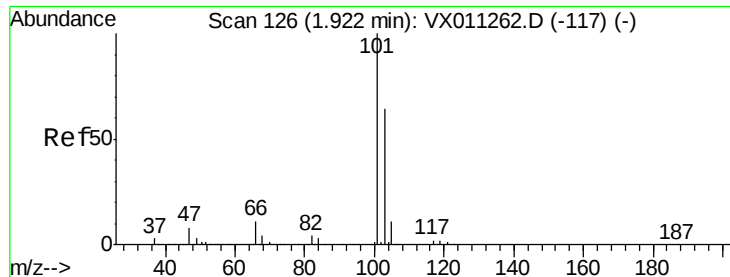
66 33.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

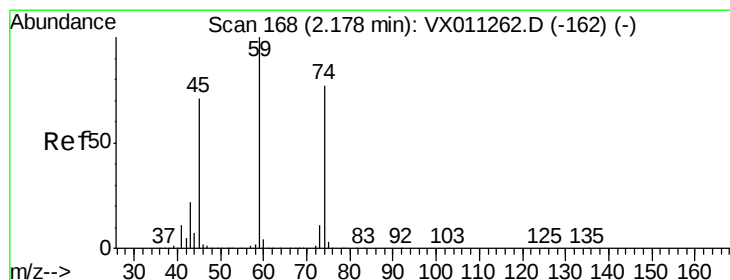
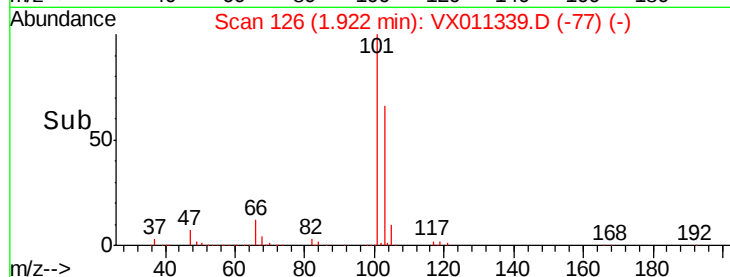
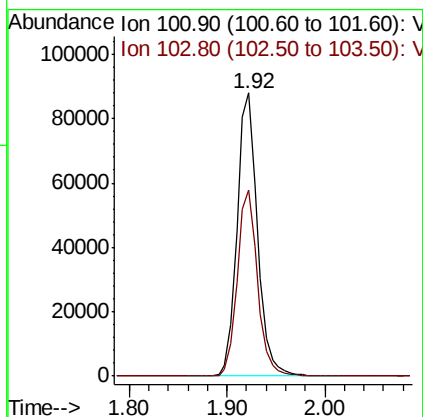
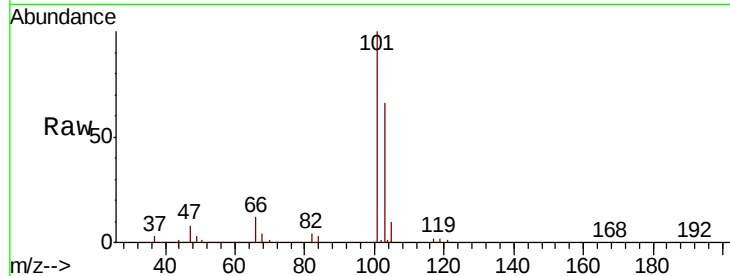
Trichlorofluoromethane
Concen: 47.361 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	50.9	76.3

Manual Integrations
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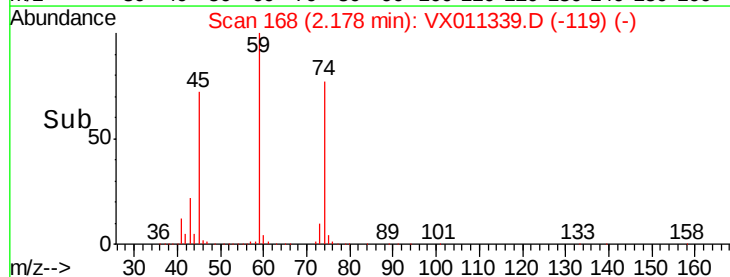
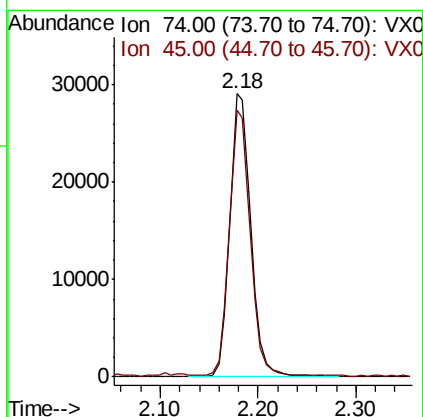
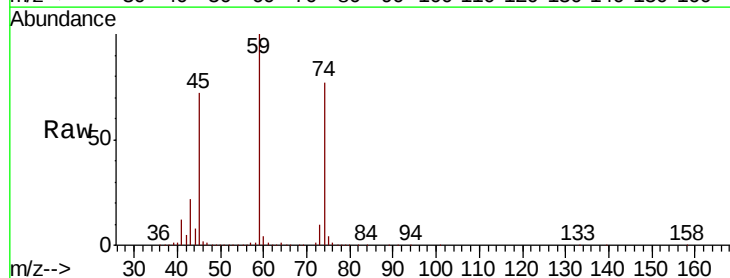
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#8

Diethyl Ether
Concen: 45.090 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.7	46.1	138.3





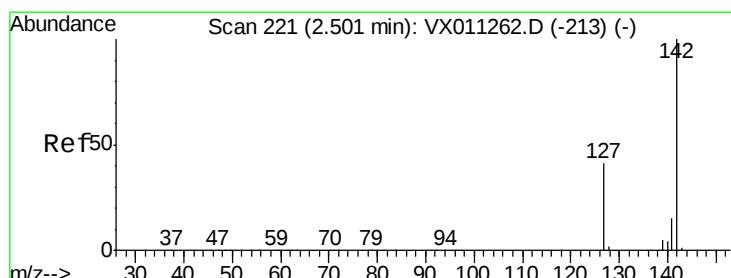
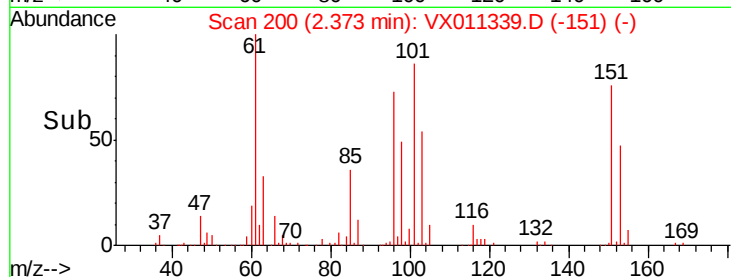
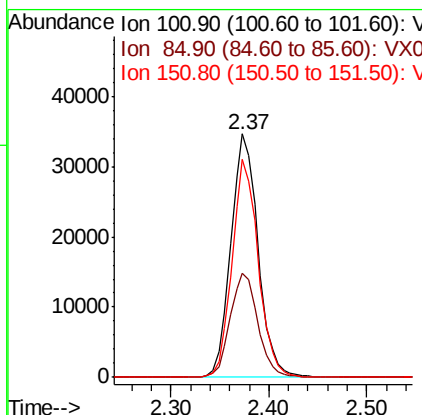
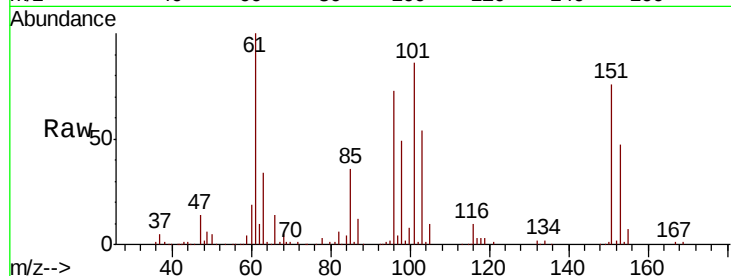
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.944 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.6	33.8	50.6
151	86.1	69.5	104.3

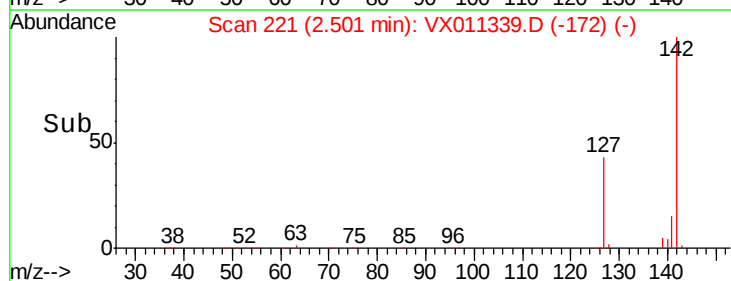
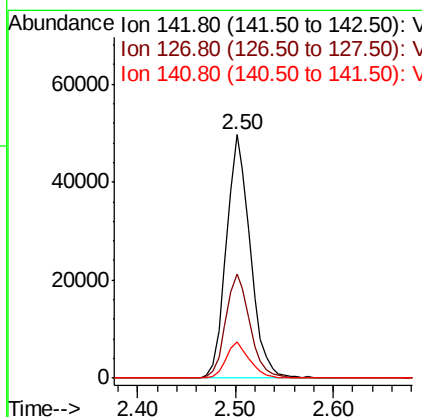
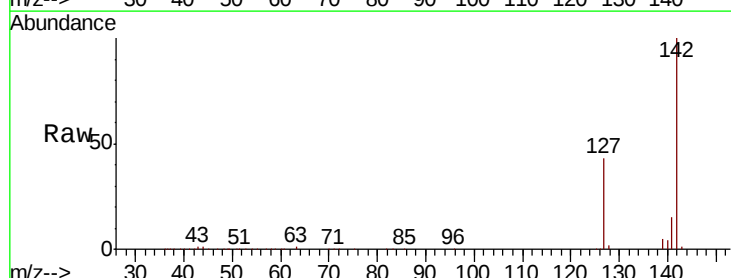
Manual Integrations
 APPROVED

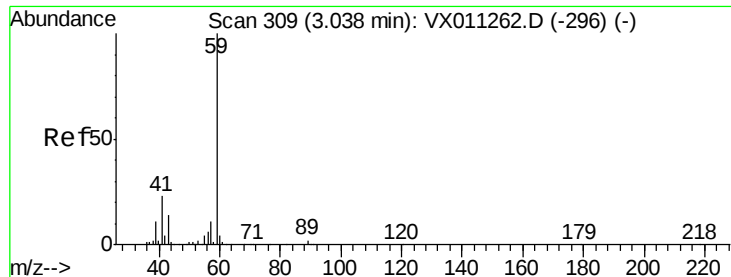
MMDadoda
 8/6/2019 4:48:47 PM



#10
 Methyl Iodide
 Concen: 46.056 ug/l
 RT: 2.50 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.2	33.8	50.8
141	14.4	11.4	17.2





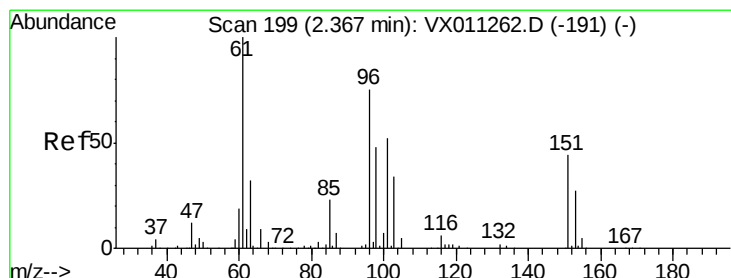
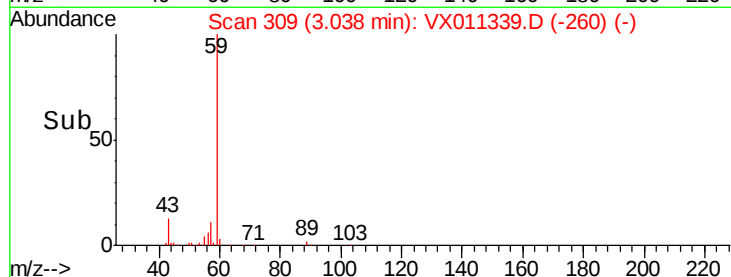
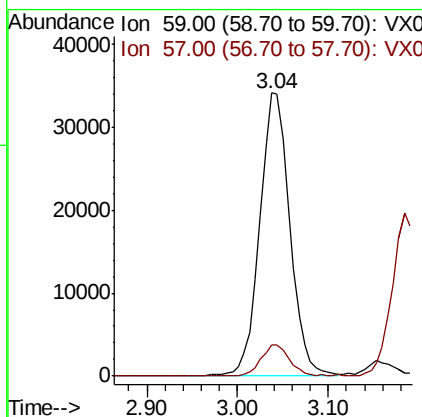
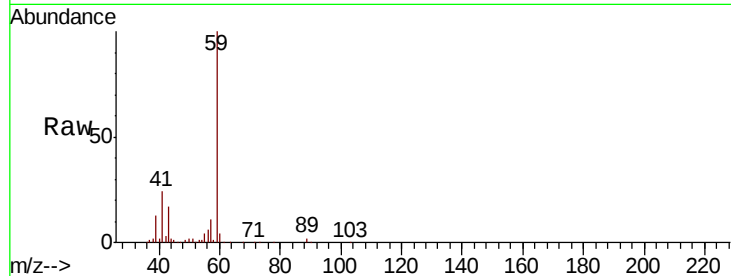
#11
Tert butyl alcohol
Concen: 247.140 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	78571
Ion Ratio	100	Lower	Upper
57	10.7	8.3	12.5

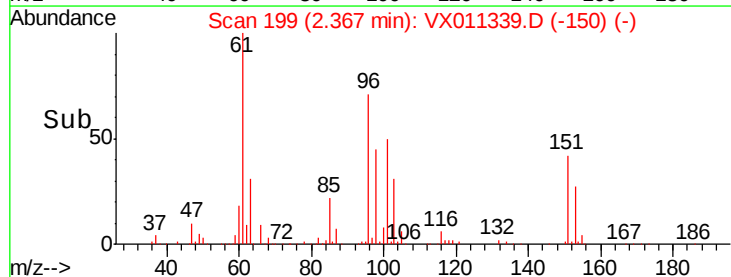
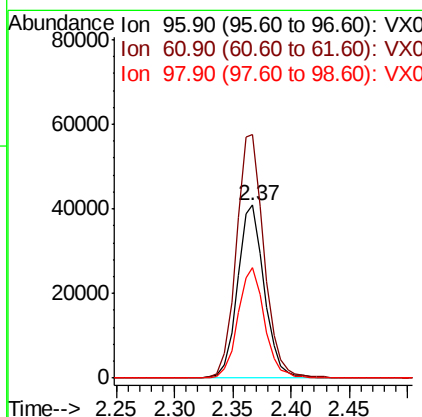
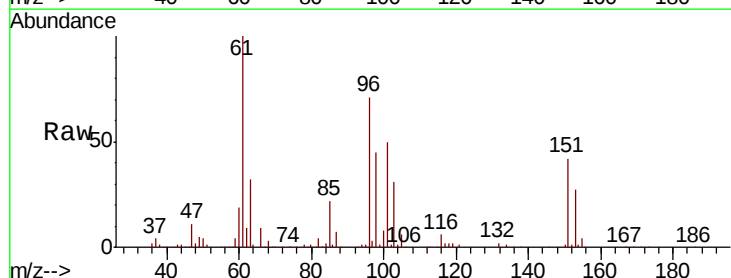
Manual Integrations
APPROVED

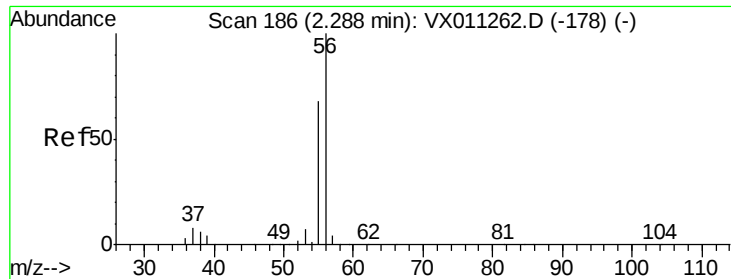
MMDadoda
8/6/2019 4:48:47 PM



#12
1,1-Dichloroethene
Concen: 45.557 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion	96	Resp	65622
Ion Ratio	100	Lower	Upper
61	140.8	106.2	159.2
98	63.7	50.6	75.8





#13

Acrolein

Concen: 226.178 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 44695

Ion Ratio Lower Upper

56 100

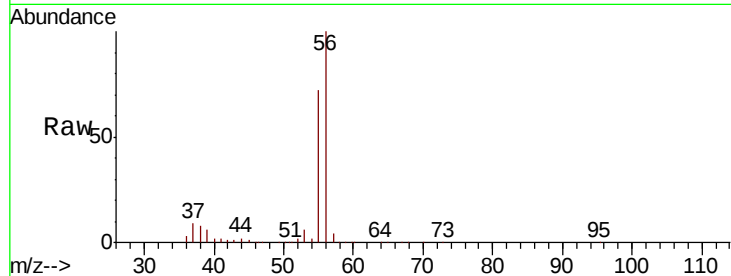
55 68.7 56.0 84.0

Manual Integrations

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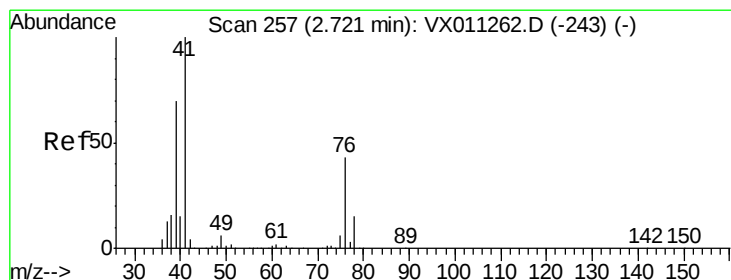
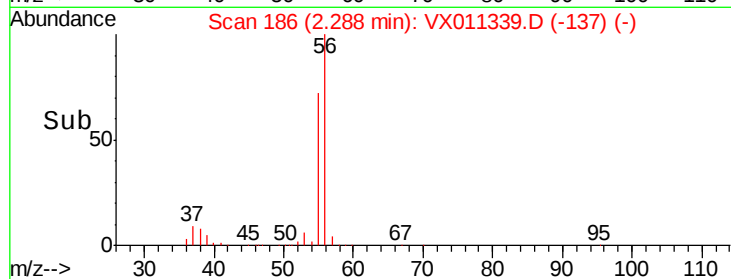
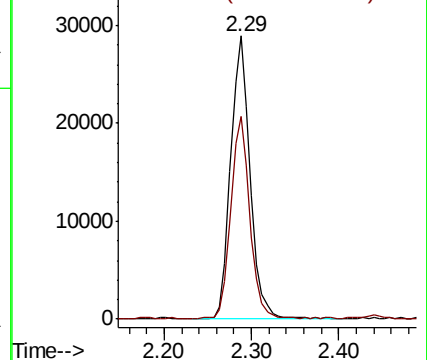
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 49.897 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

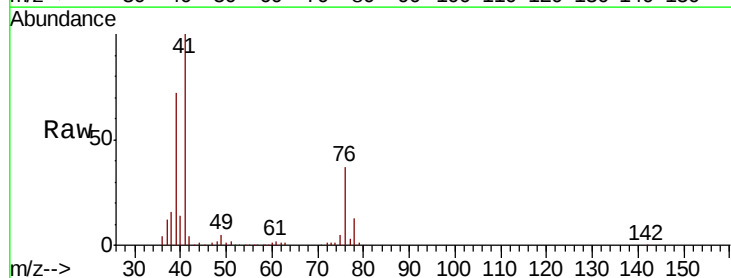
Tgt Ion: 41 Resp: 95815

Ion Ratio Lower Upper

41 100

39 66.8 52.8 79.2

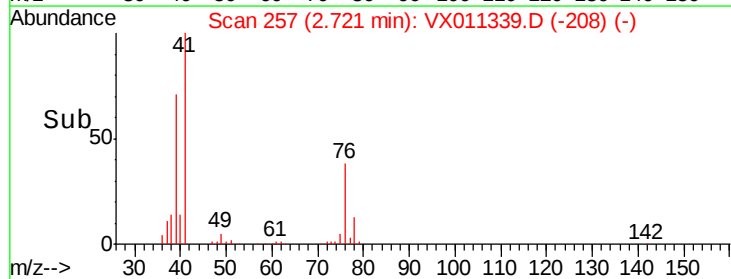
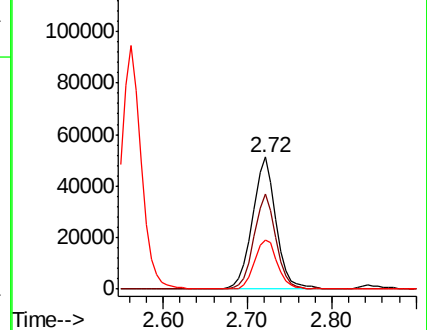
76 36.6 31.1 46.7



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





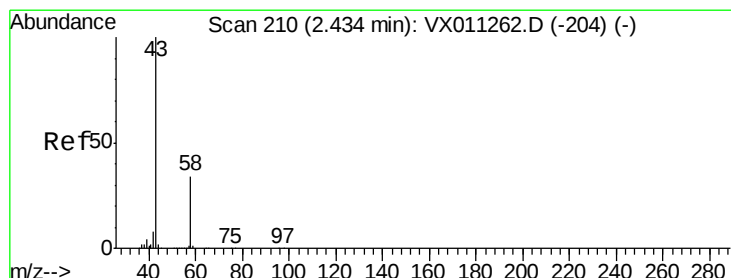
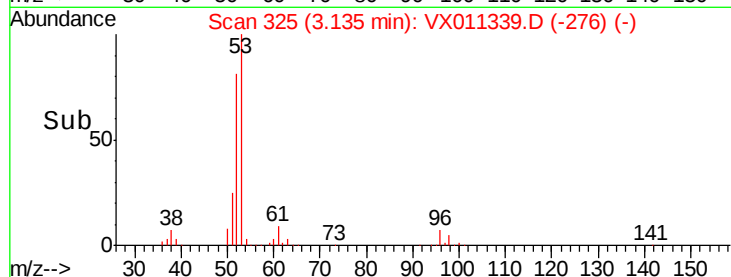
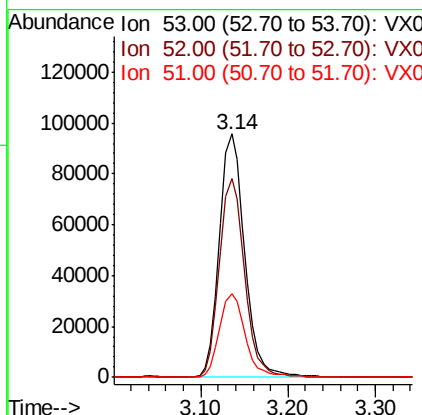
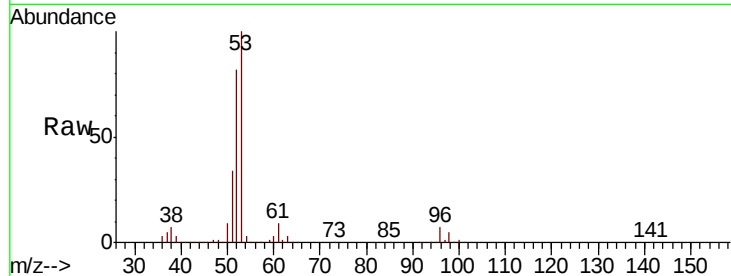
#15
 Acrylonitrile
 Concen: 253.500 ug/l
 RT: 3.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	192322
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.5	98.3
51	35.6	27.9	41.9

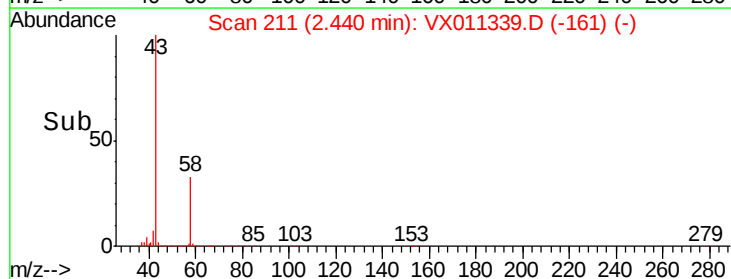
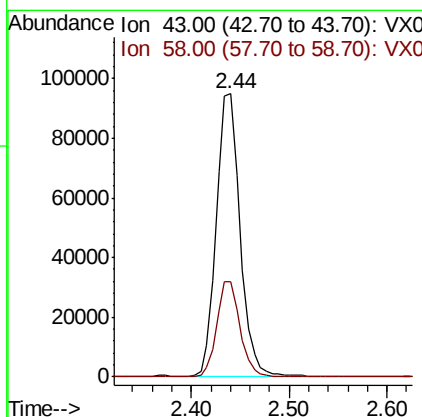
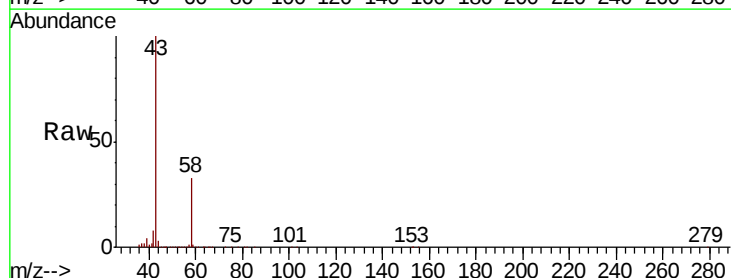
Manual Integrations
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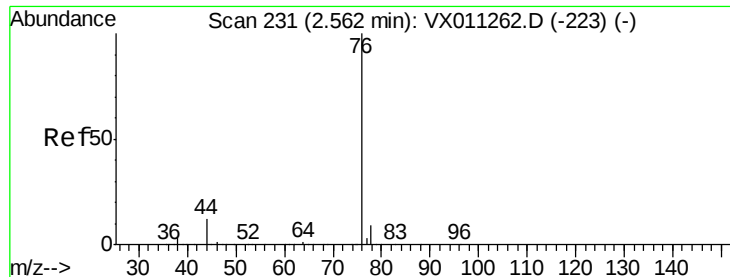
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#16
 Acetone
 Concen: 210.123 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. 0.01 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Tgt Ion:	43	Resp:	159456
Ion Ratio	Lower	Upper	
43	100		
58	33.5	27.4	41.0





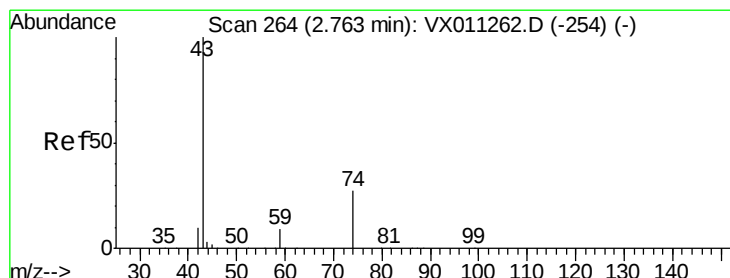
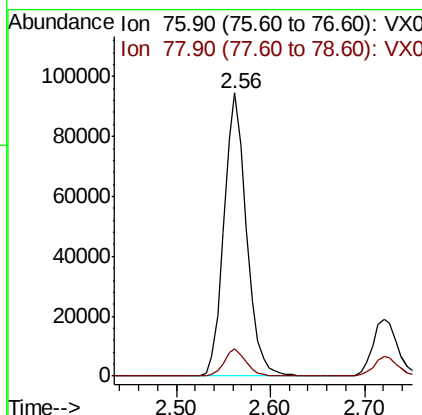
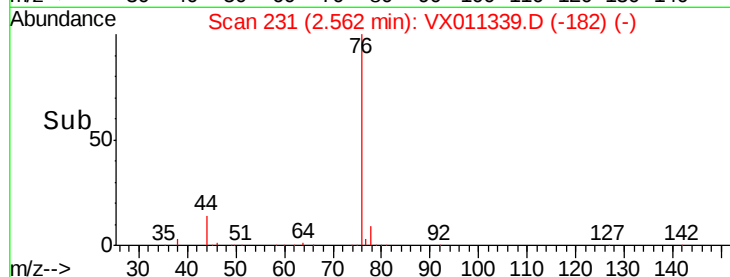
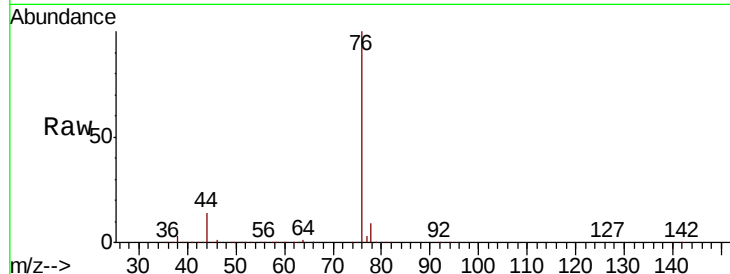
#17
Carbon Disulfide
Concen: 46.249 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

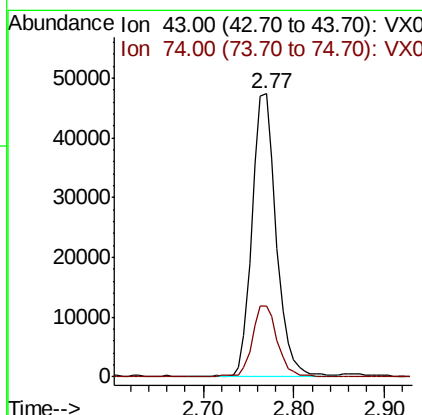
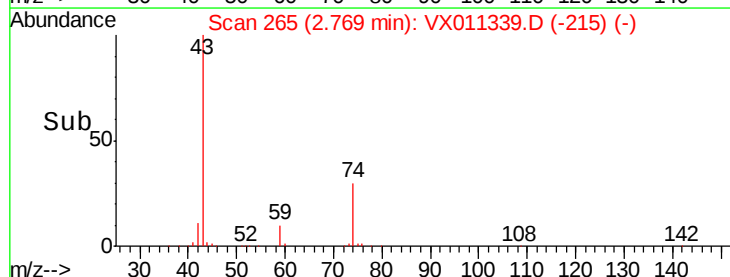
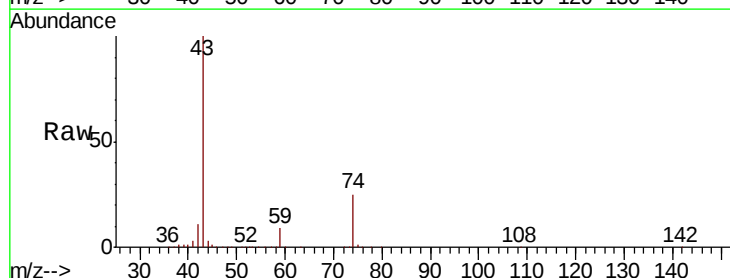
Manual Integrations
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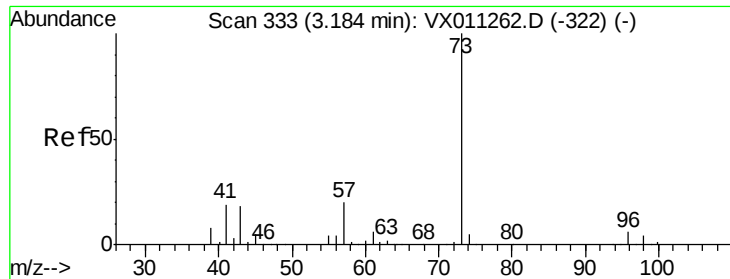
MMDadoda
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#18
Methyl Acetate
Concen: 50.909 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.2	21.0	31.6





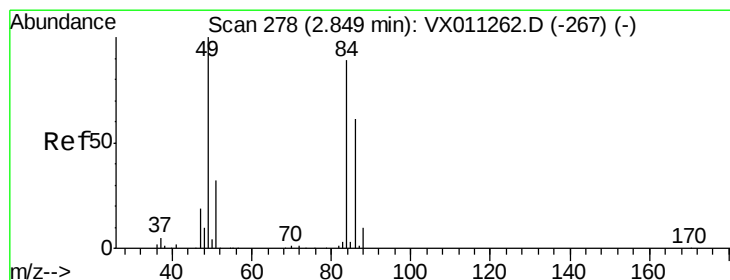
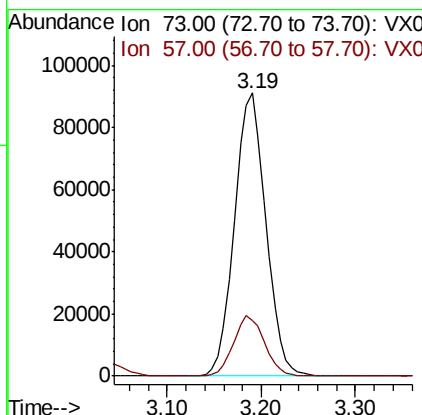
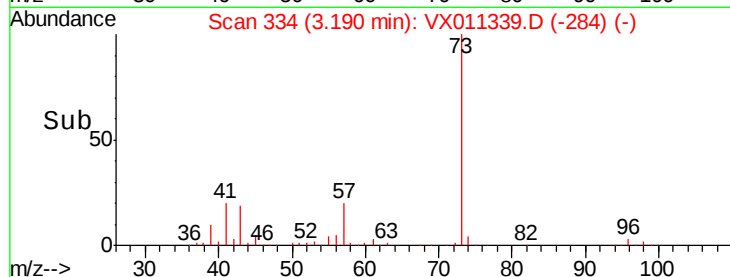
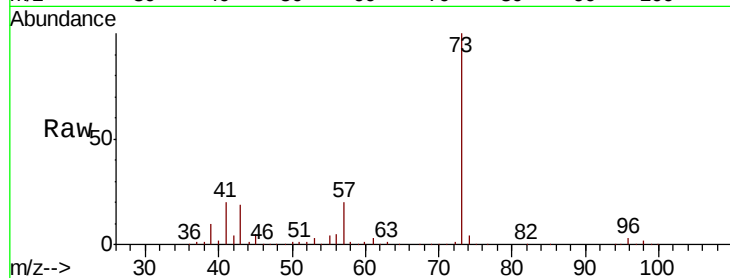
#19
Methvl tert-butvl Ether
Concen: 49.647 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 210742
Ion Ratio Lower Upper
73 100
57 19.7 16.2 24.2

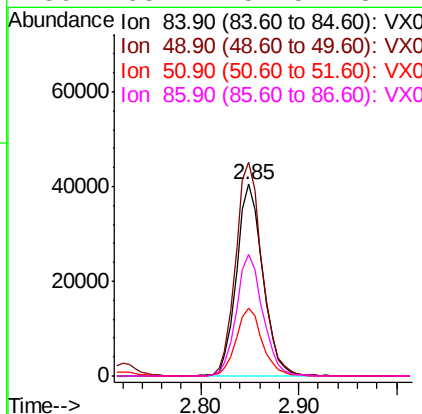
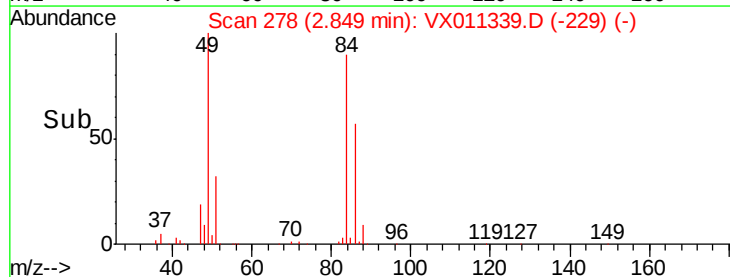
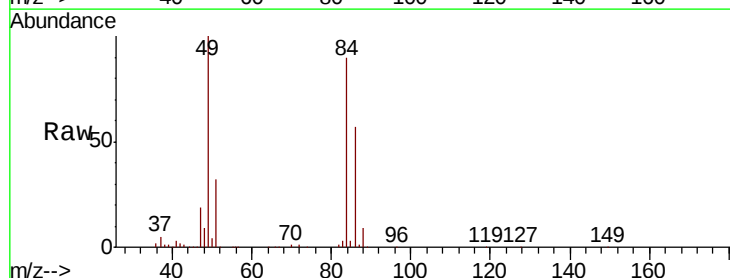
Manual Integrations
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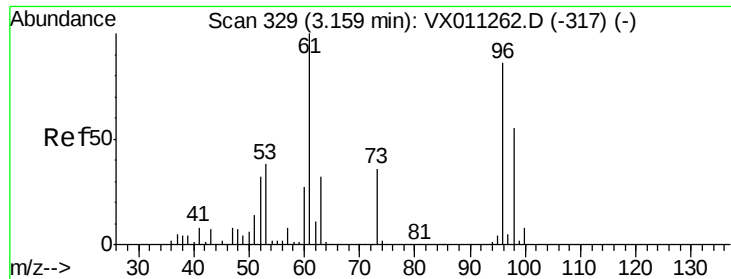
MMDadoda
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#20
Methylene Chloride
Concen: 45.638 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion: 84 Resp: 75849
Ion Ratio Lower Upper
84 100
49 111.1 89.3 133.9
51 34.9 28.3 42.5
86 63.1 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 46.471 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

Instrument :

MSVOA_X

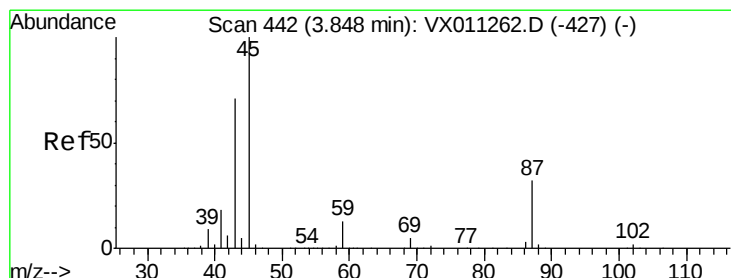
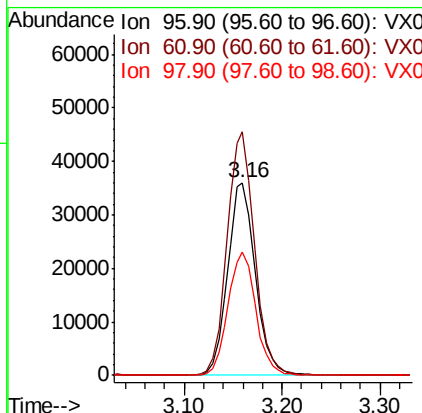
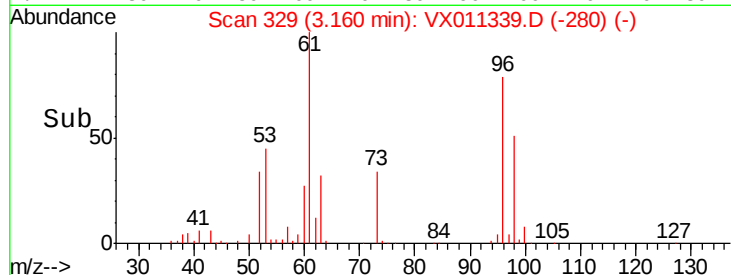
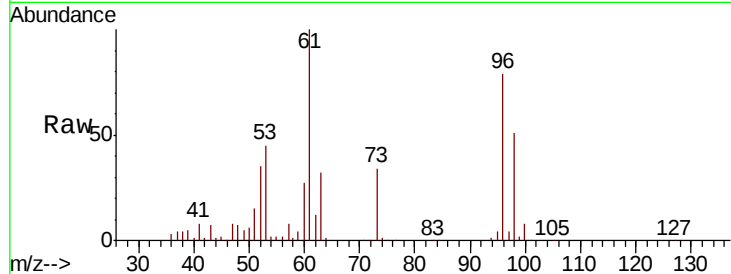
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	70808
Ion	Ratio	Lower	Upper
96	100		
61	125.9	92.8	139.2
98	64.0	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.417 ug/l

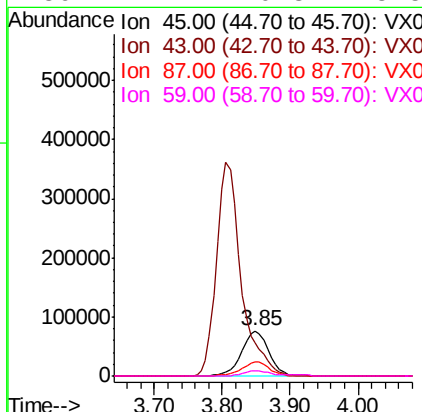
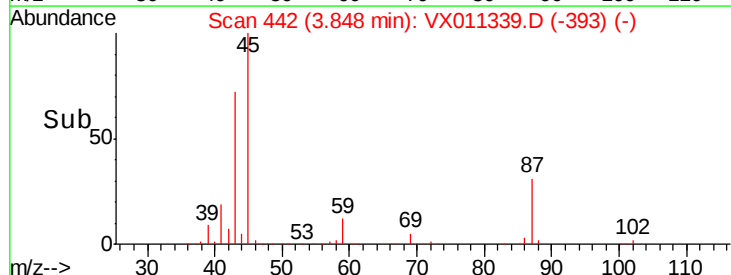
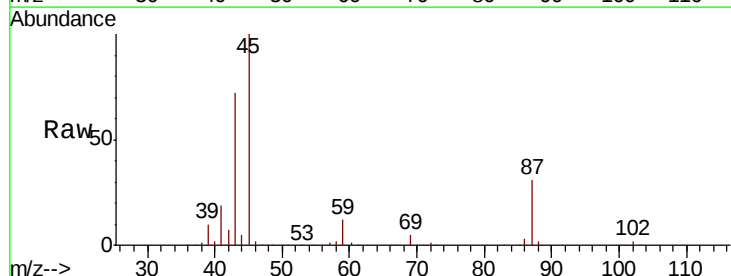
RT: 3.85 min Scan# 442

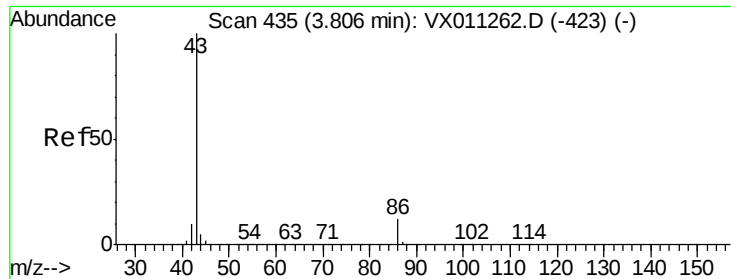
Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

Tgt Ion:	45	Resp:	208560
Ion	Ratio	Lower	Upper
45	100		
43	71.9	56.8	85.2
87	31.1	25.8	38.6
59	12.2	10.3	15.5





#23

Vinyl Acetate

Concen: 261.553 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 91555

Ion Ratio Lower Upper

43 100

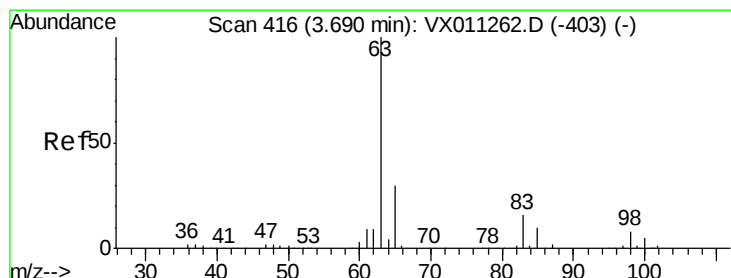
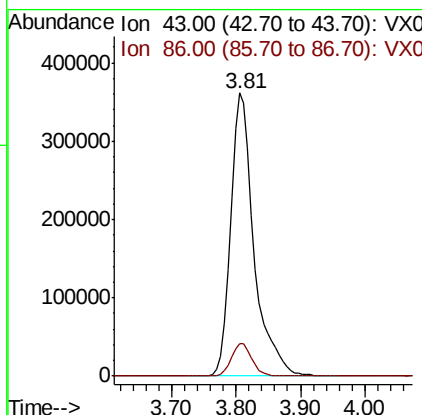
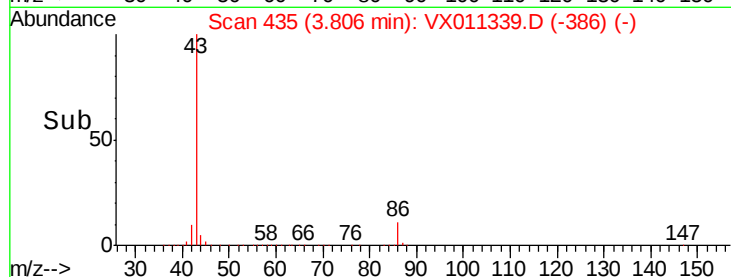
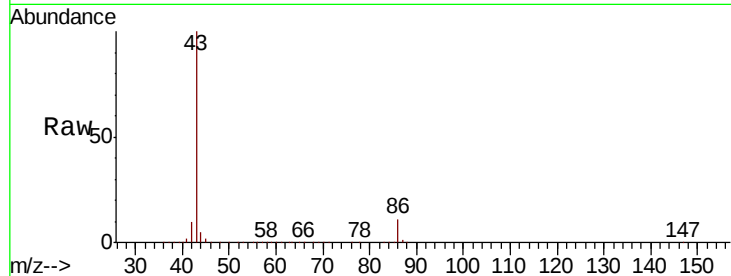
86 11.5 9.6 14.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.734 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

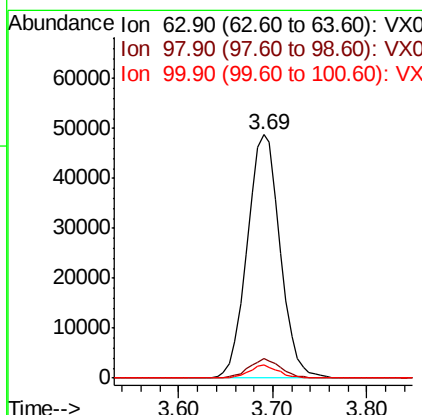
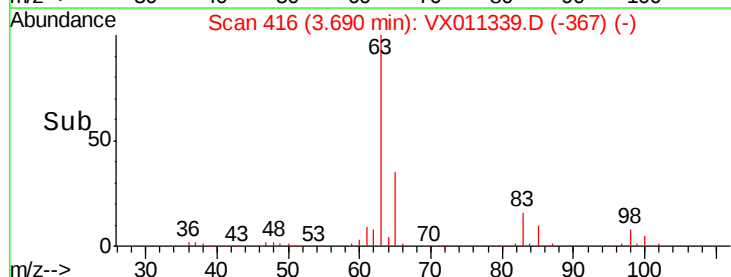
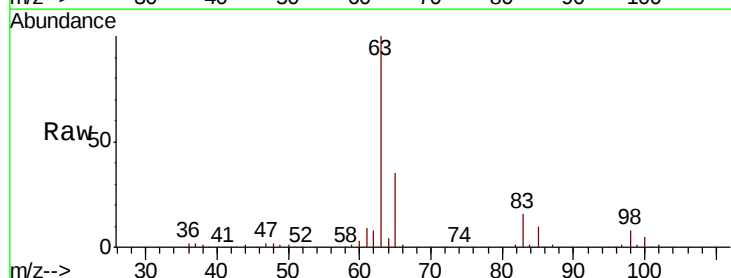
Tgt Ion: 63 Resp: 118791

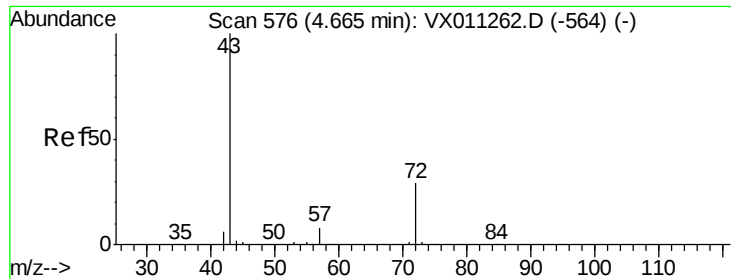
Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.5

100 5.5 2.7 8.1





#25

2-Butanone

Concen: 242.816 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 262118

Ion Ratio Lower Upper

43 100

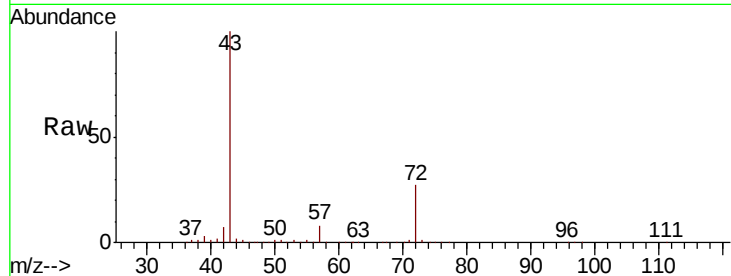
72 27.3 23.2 34.8

Manual Integrations

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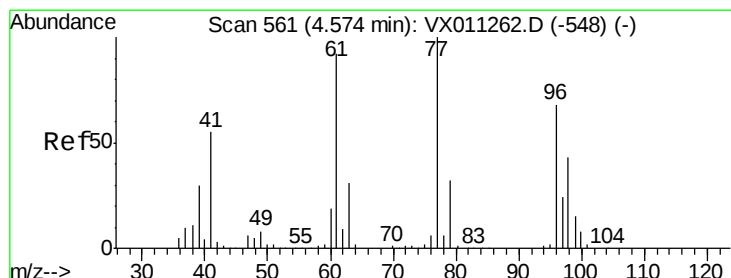
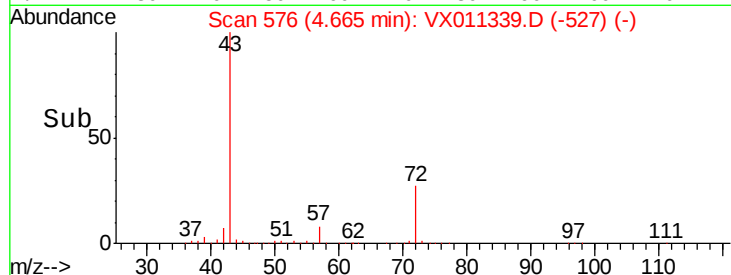
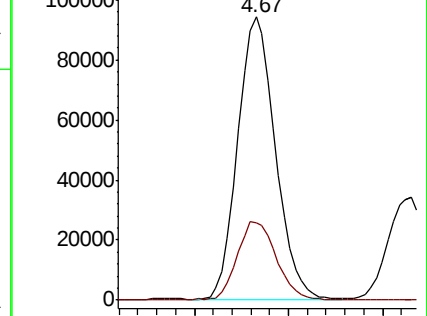
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 44.232 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX011339.D

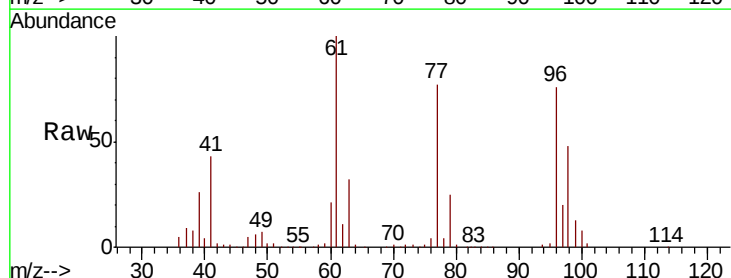
Acq: 05 Aug 2019 20:21

Tgt Ion: 77 Resp: 85568

Ion Ratio Lower Upper

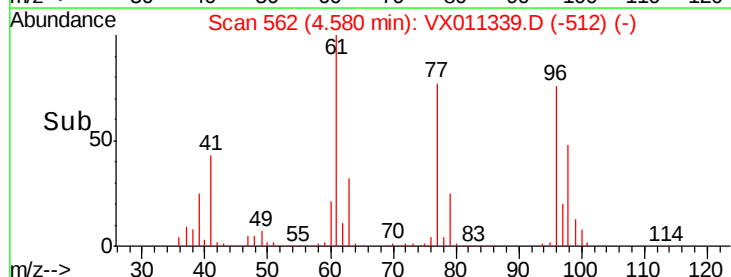
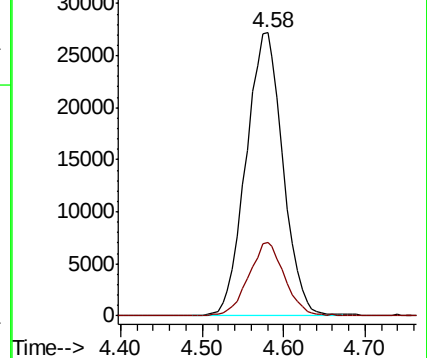
77 100

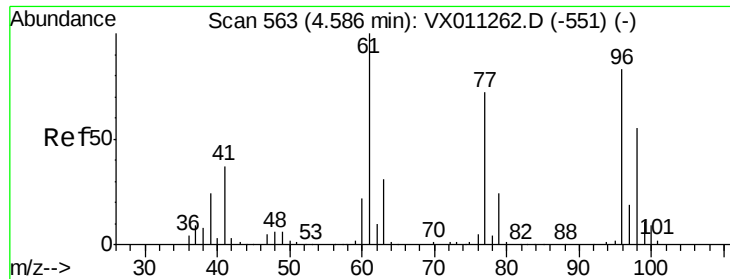
97 25.3 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

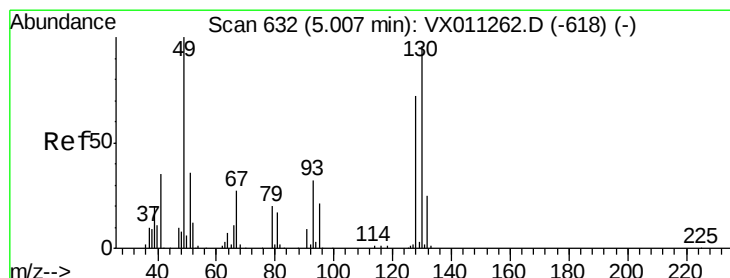
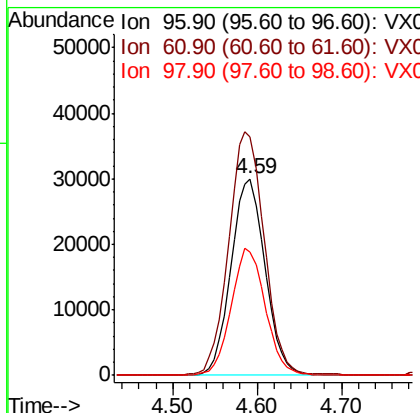
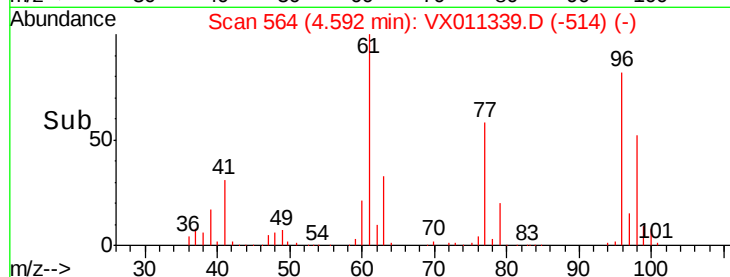
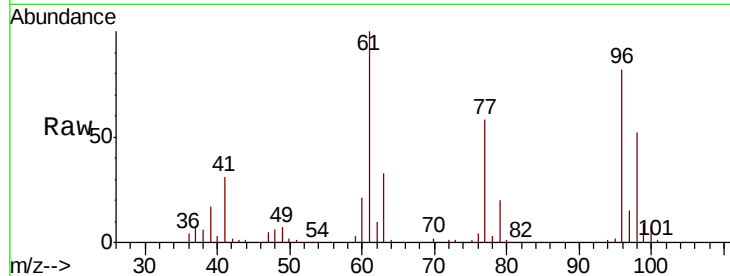
cis-1,2-Dichloroethene
Concen: 46.944 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.5	0.0	260.2
98	64.3	0.0	133.2

Manual Integrations
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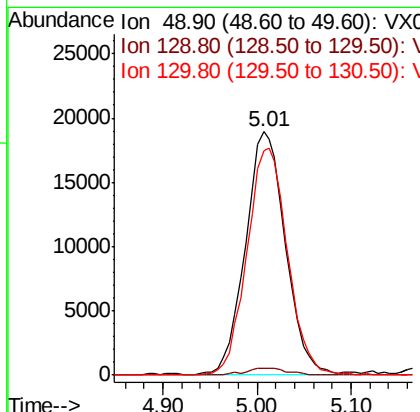
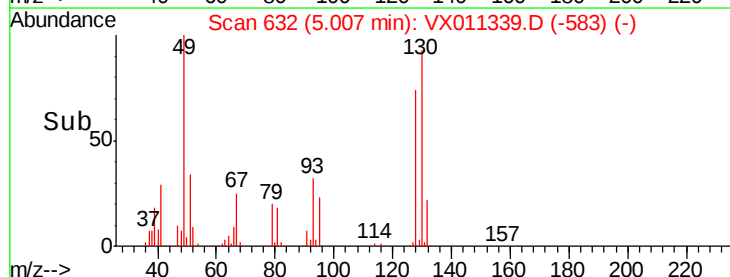
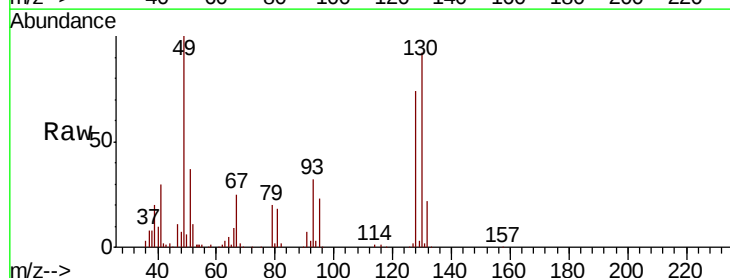
MMDadoda
8/6/2019 4:48:47 PM

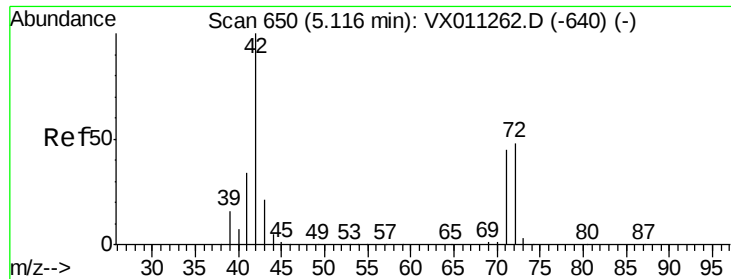


#28

Bromochloromethane
Concen: 49.312 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.8
130	95.0	77.9	116.9





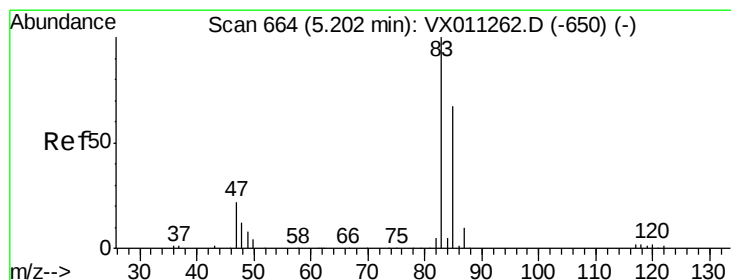
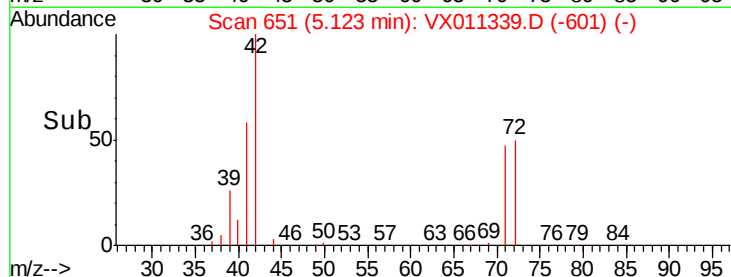
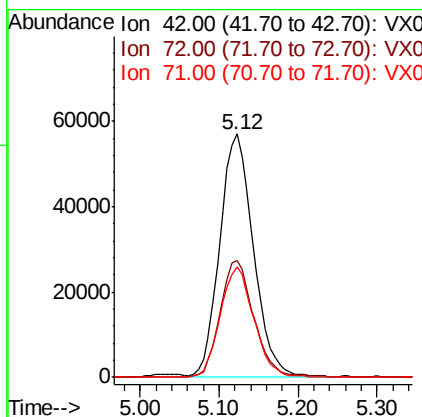
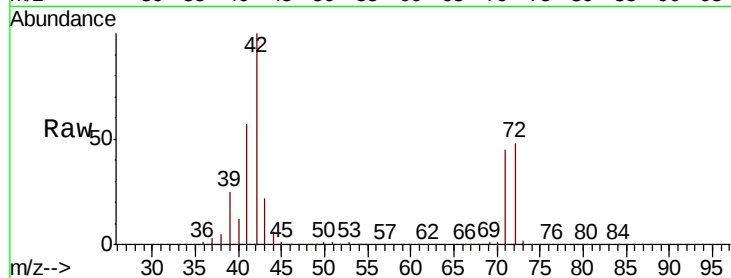
#29
Tetrahydrofuran
Concen: 253.550 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	39.9	59.9
71	45.6	36.9	55.3

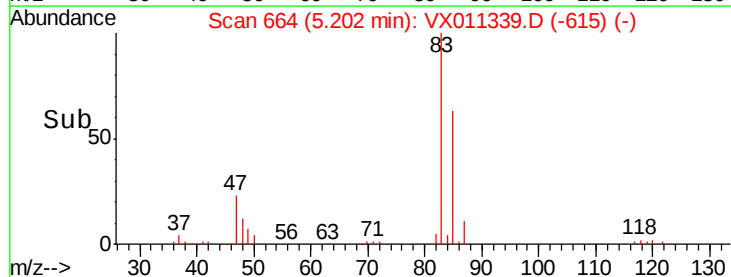
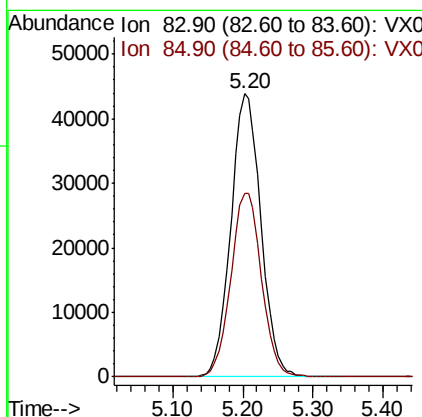
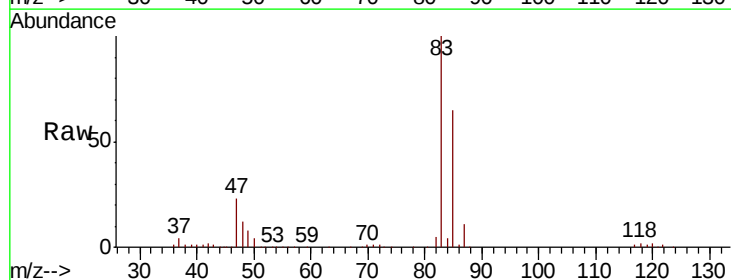
Manual Integrations
APPROVED

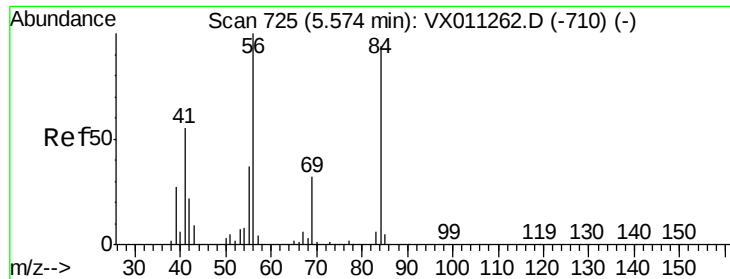
MMDadoda
8/6/2019 4:48:47 PM



#30
Chloroform
Concen: 48.373 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.4	80.0





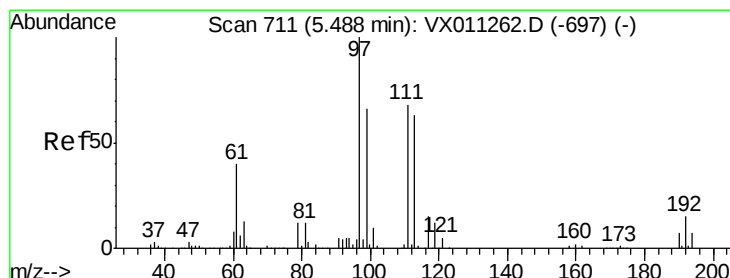
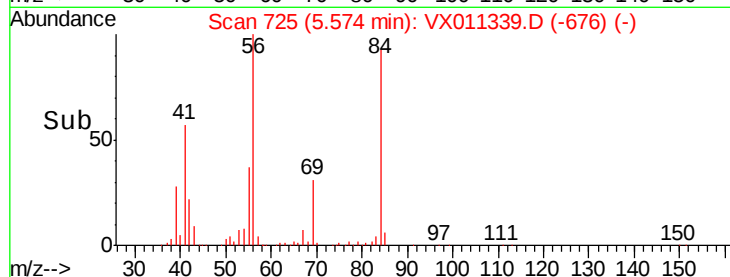
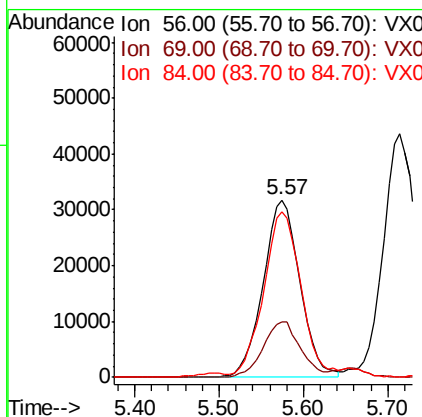
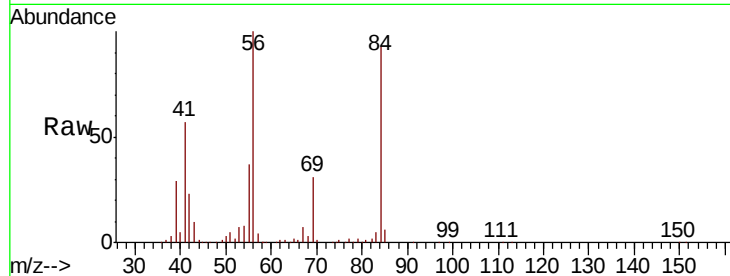
#31
Cyclohexane
Concen: 46.790 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.5	38.3
84	92.3	75.0	112.4

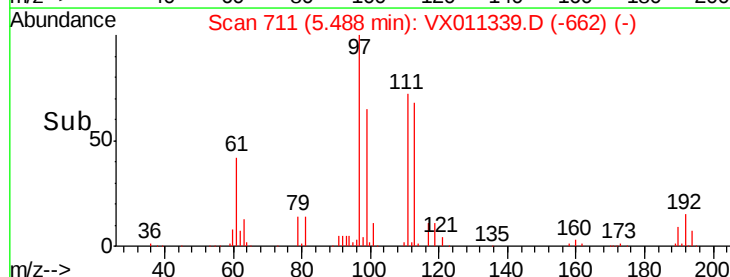
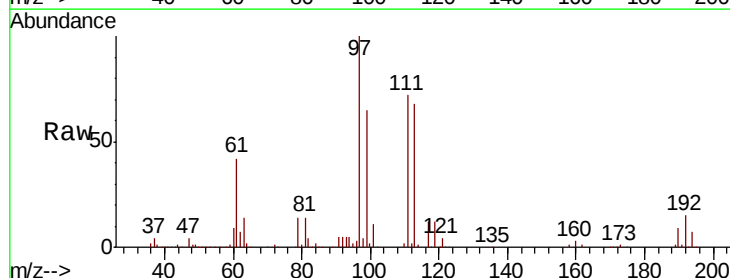
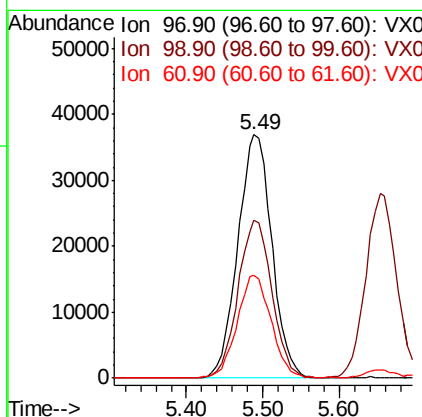
Manual Integrations
APPROVED

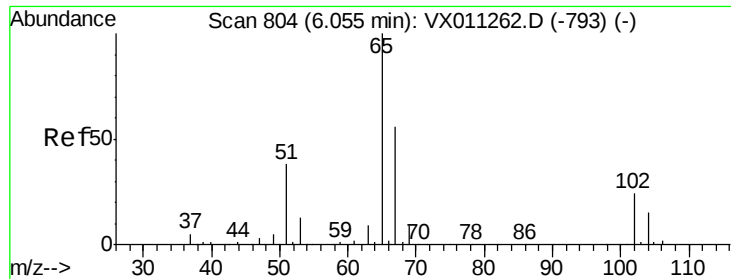
MMDadoda
8/6/2019 4:48:47 PM



#32
1,1,1-Trichloroethane
Concen: 49.260 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	42.2	32.3	48.5





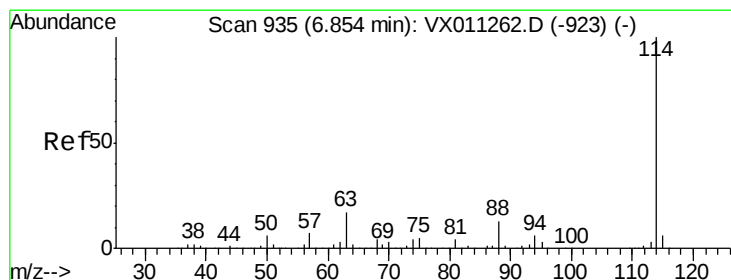
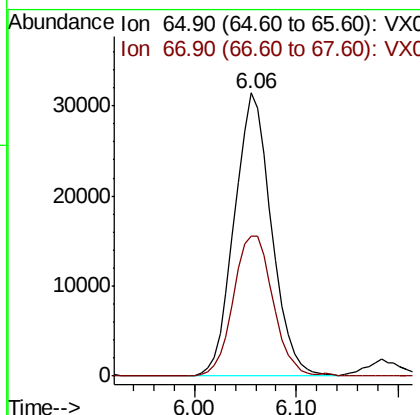
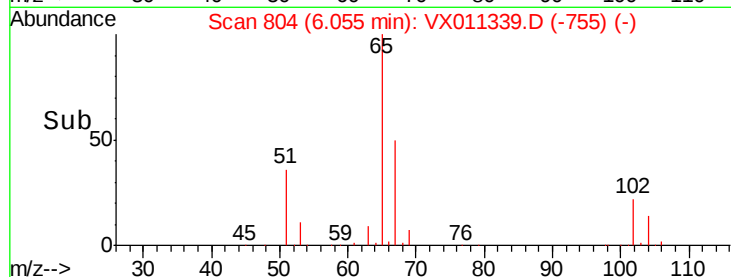
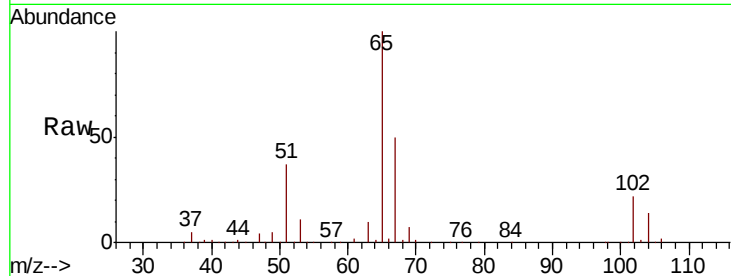
#33
 1,2-Dichloroethane-d4
 Concen: 49.857 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	110.6

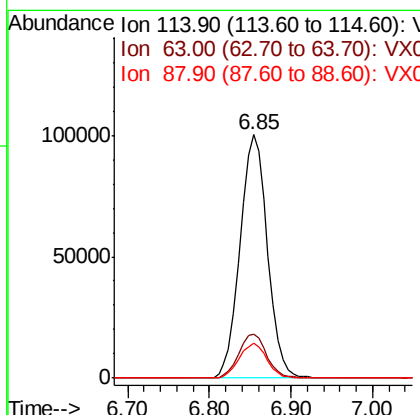
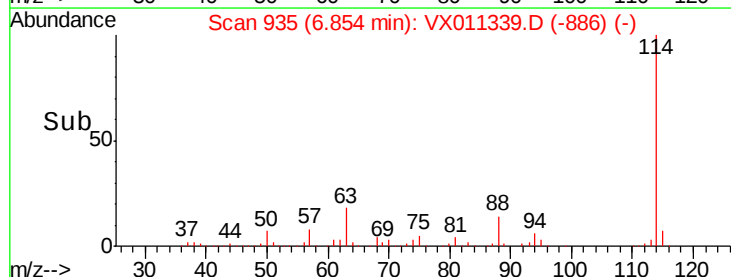
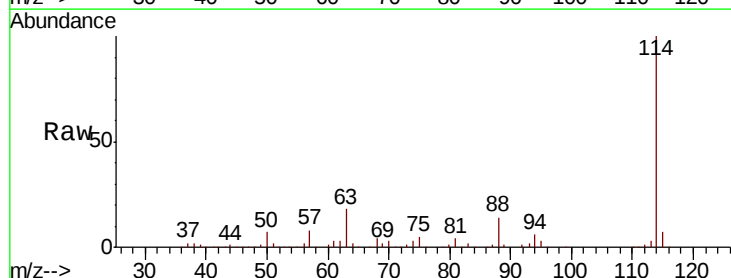
Manual Integrations
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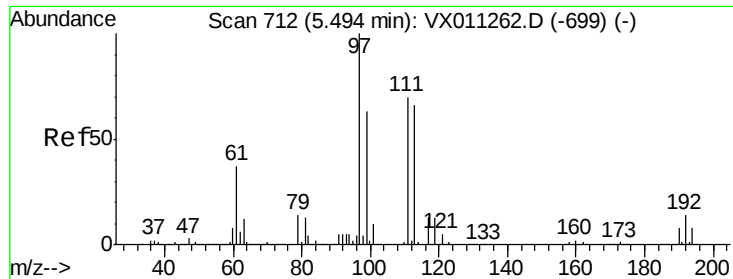
MMDadoda
 8/6/2019 4:48:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	34.0
88	14.3	0.0	26.4





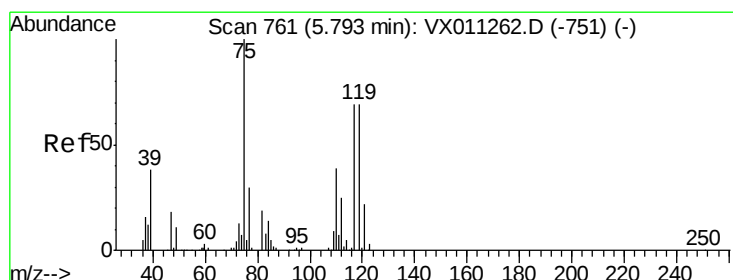
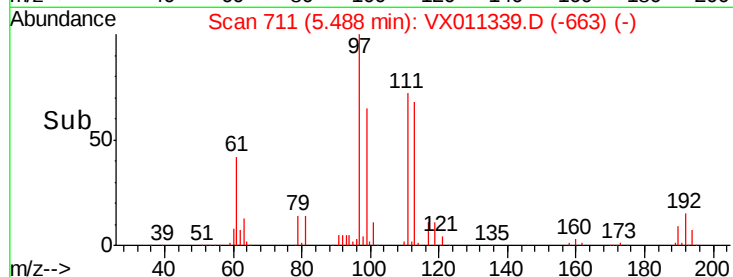
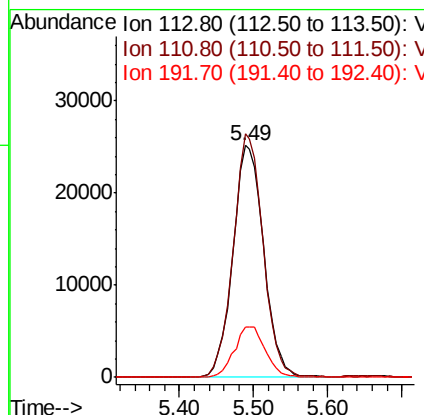
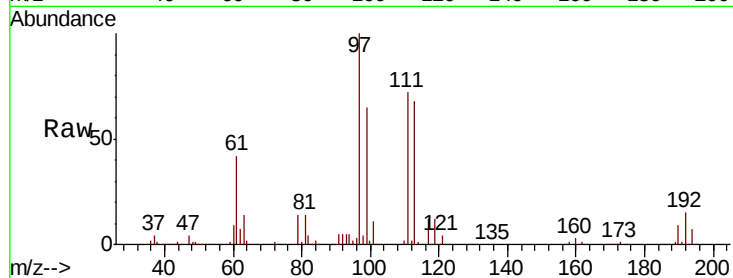
#35
 Dibromofluoromethane
 Concen: 47.955 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	72989		
111	101.3	81.9	122.9	
192	22.1	17.8	26.8	

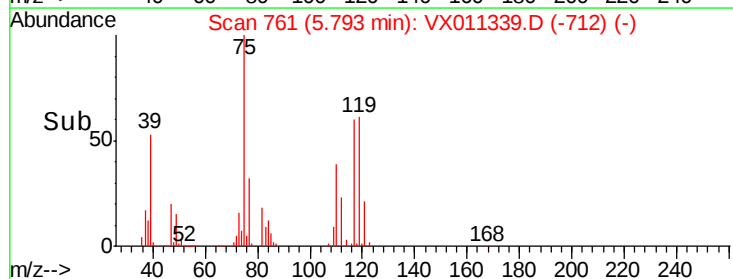
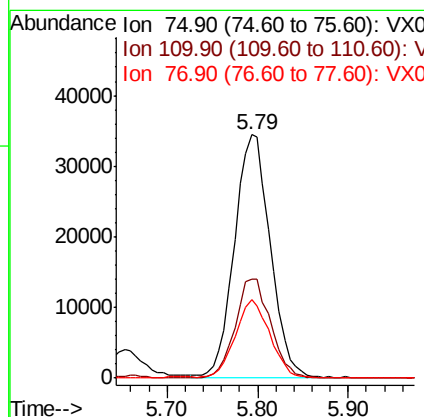
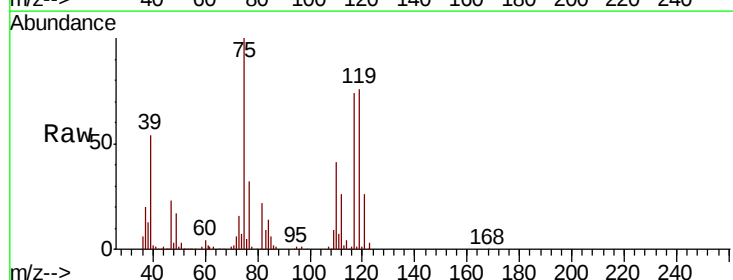
Manual Integrations
 APPROVED

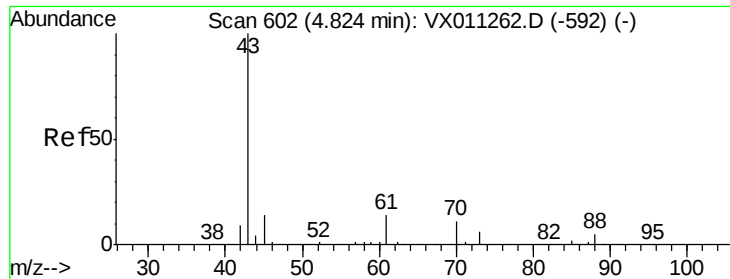
MMDadoda
 8/6/2019 4:48:47 PM



#36
 1,1-Dichloropropene
 Concen: 46.202 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	94039		
110	40.5	20.0	59.9	
77	31.0	24.8	37.2	





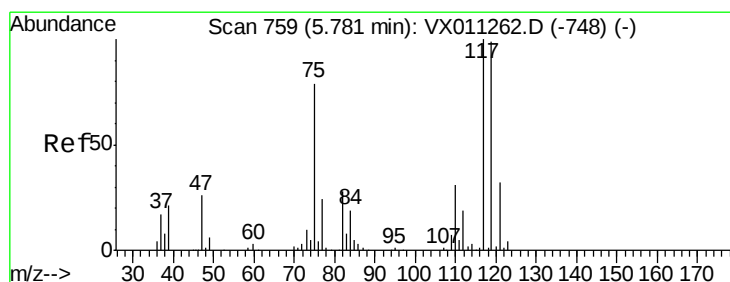
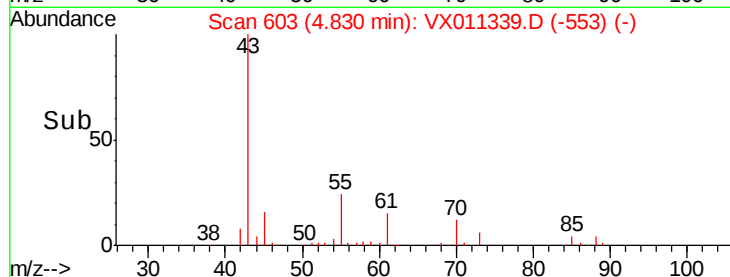
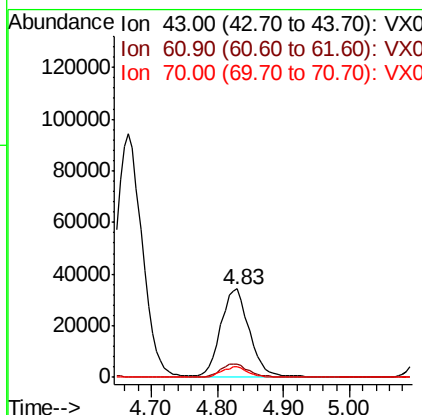
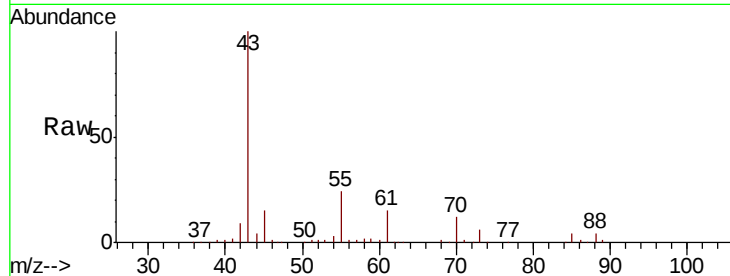
#37
Ethyl Acetate
Concen: 50.201 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.01 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.6	18.8
70	11.1	9.1	13.7

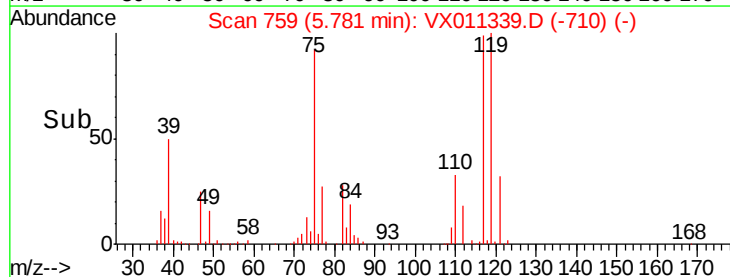
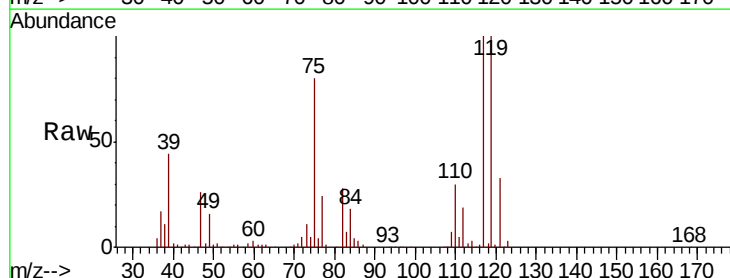
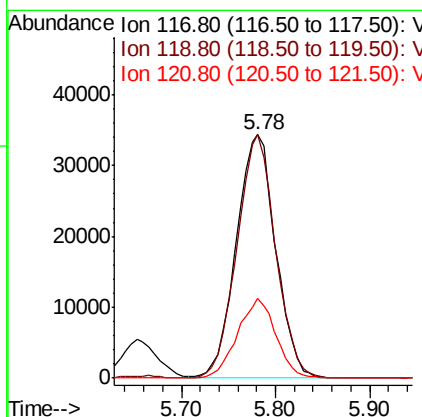
Manual Integrations
APPROVED

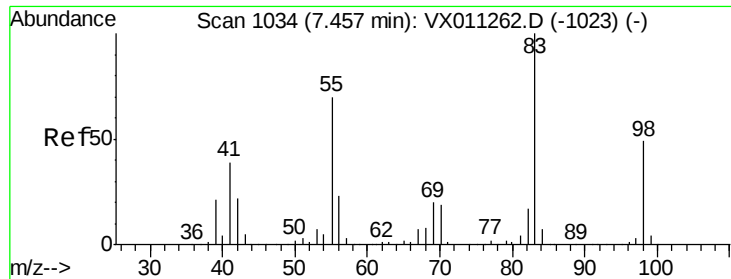
MMDadoda
8/6/2019 4:48:47 PM



#38
Carbon Tetrachloride
Concen: 49.110 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.9	79.0	118.4
121	32.8	25.9	38.9





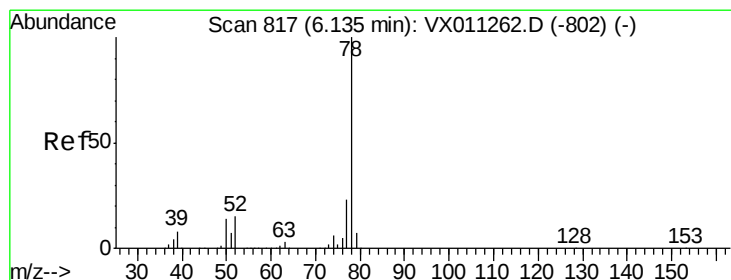
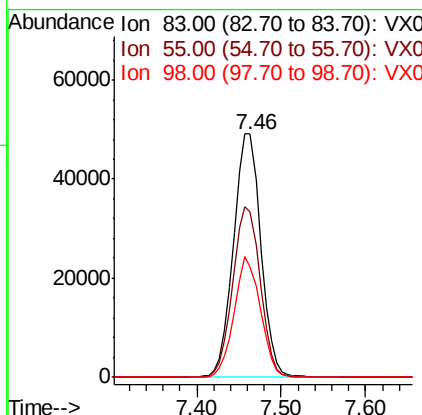
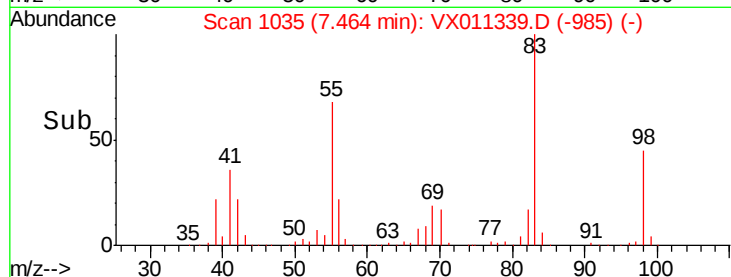
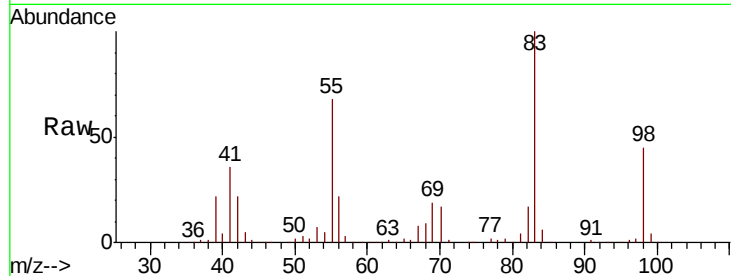
#39
Methvlcvclohexane
Concen: 44.651 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.8	56.1	84.1
98	45.4	39.0	58.4

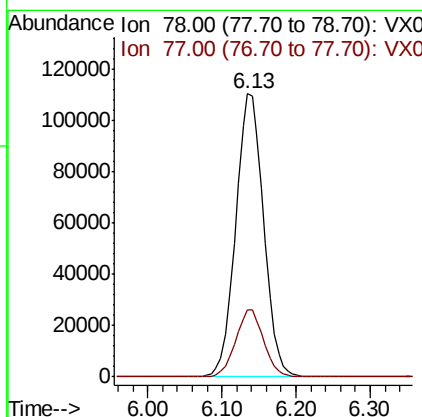
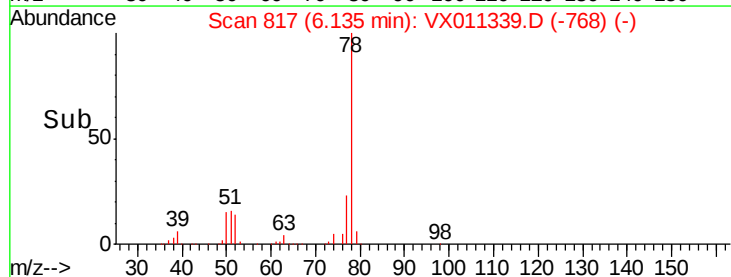
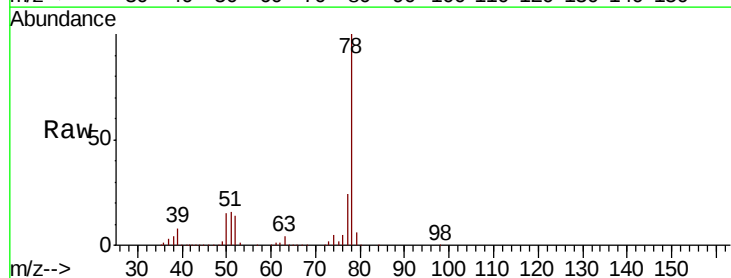
Manual Integrations
APPROVED

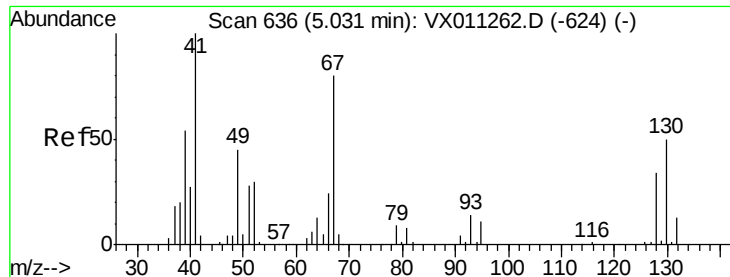
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8/6/2019 4:48:47 PM



#40
Benzene
Concen: 47.782 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.2	27.2





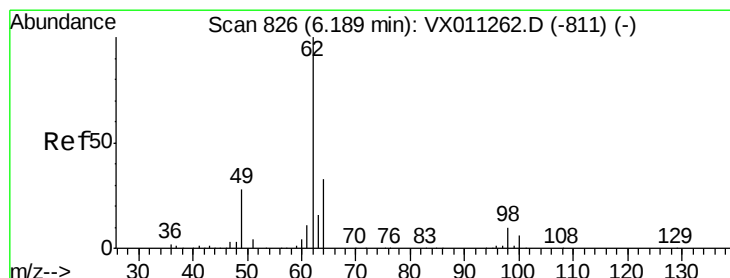
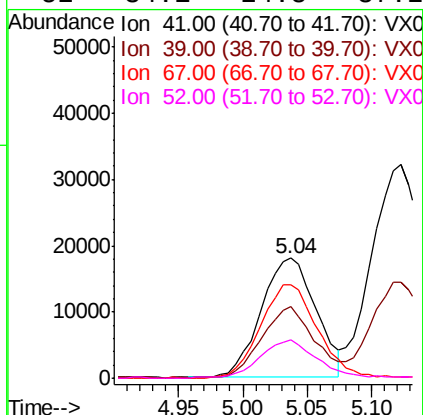
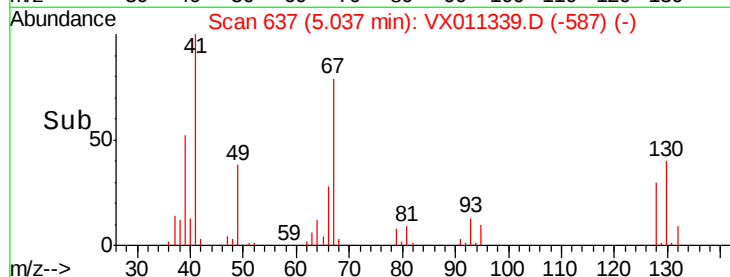
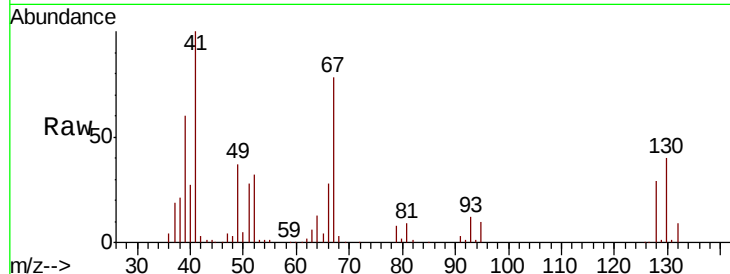
#41
Methacrylonitrile
Concen: 47.906 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.9	43.0	64.6	
67	82.0	65.1	97.7	
52	34.1	24.8	37.2	

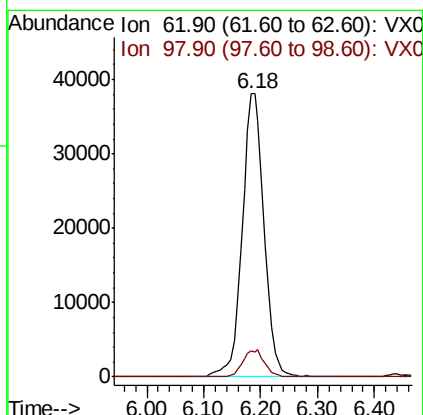
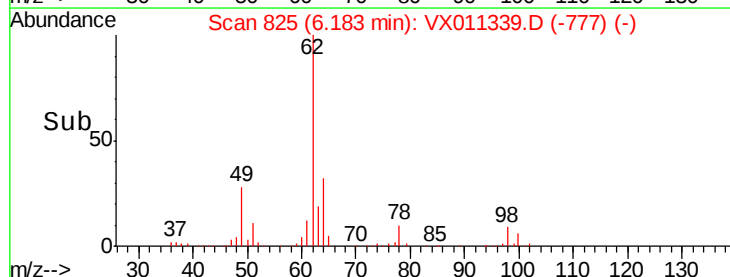
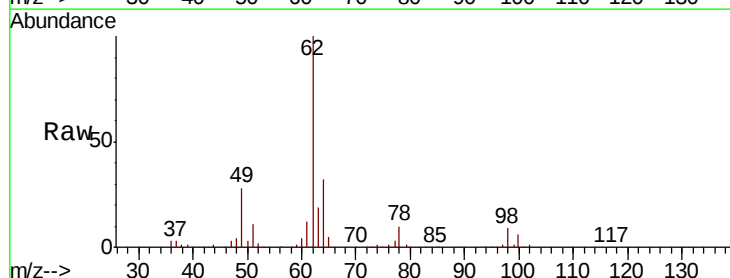
Manual Integrations
APPROVED

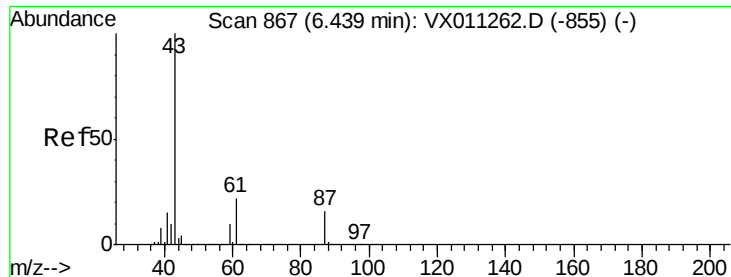
MMDadoda
8/6/2019 4:48:47 PM



#42
1,2-Dichloroethane
Concen: 49.633 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

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





#43

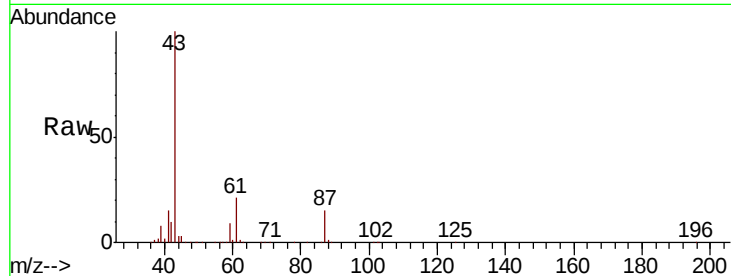
Isopropyl Acetate
 Concen: 49.513 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

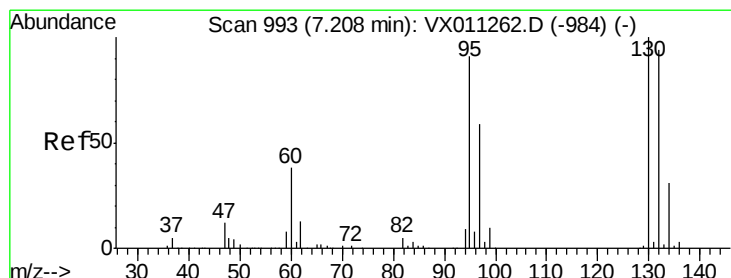
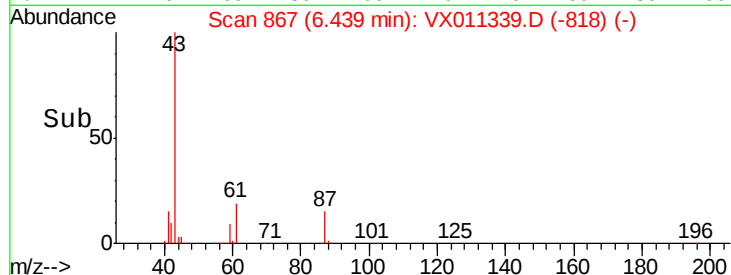
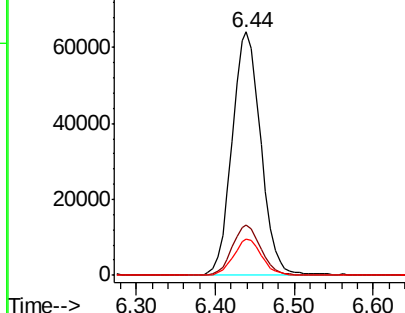
Tot Ion	43	Resp	161617
Ion Ratio	Lower	Upper	
43	100		
61	20.7	16.5	24.7
87	14.9	12.1	18.1

Manual Integrations
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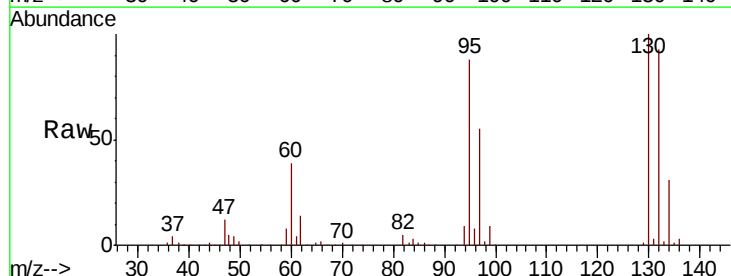
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



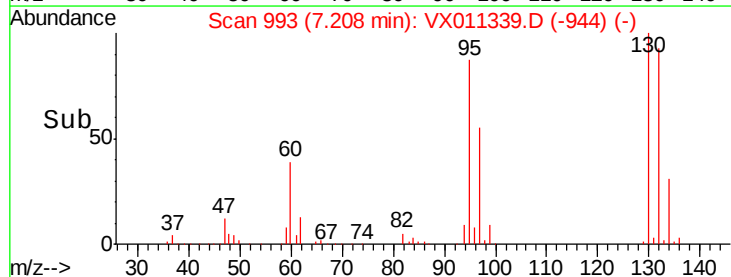
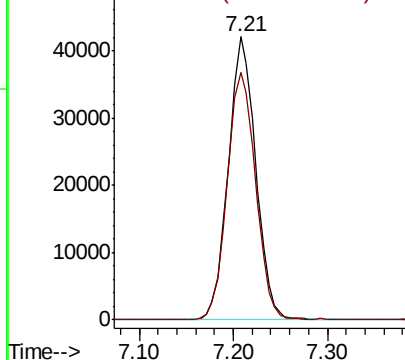
#44

Trichloroethene
 Concen: 46.373 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Tgt Ion	130	Resp	85254
Ion Ratio	Lower	Upper	
130	100		
95	87.5	0.0	182.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 47.062 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 74028

Ion Ratio Lower Upper

63 100

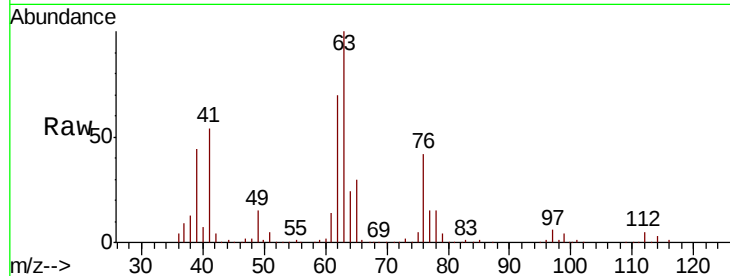
65 29.7 23.3 34.9

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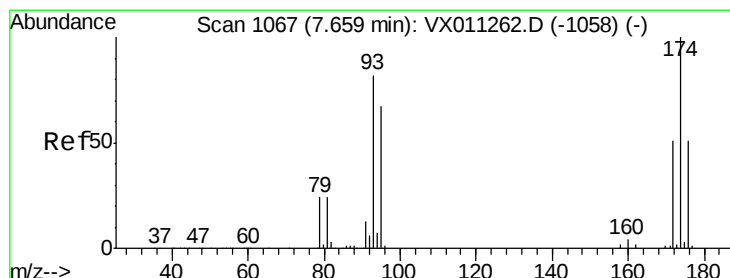
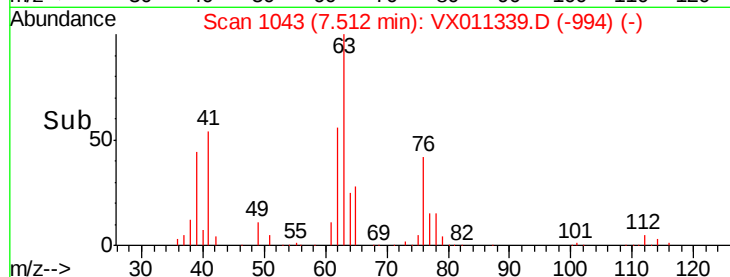
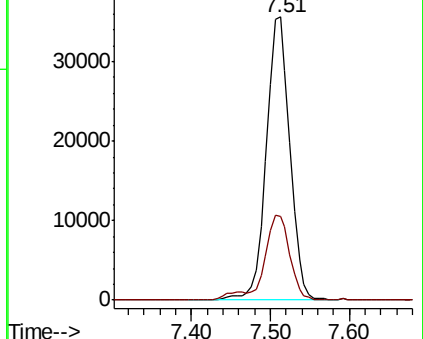
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 46.902 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

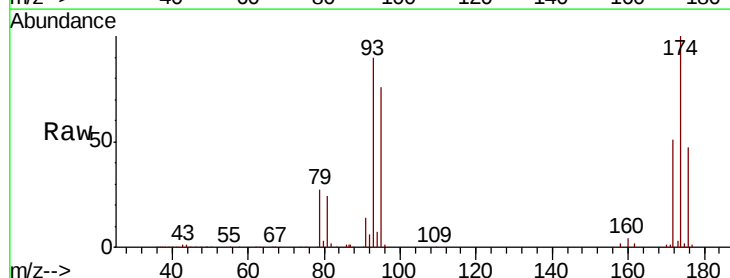
Tgt Ion: 93 Resp: 53858

Ion Ratio Lower Upper

93 100

95 87.1 66.4 99.6

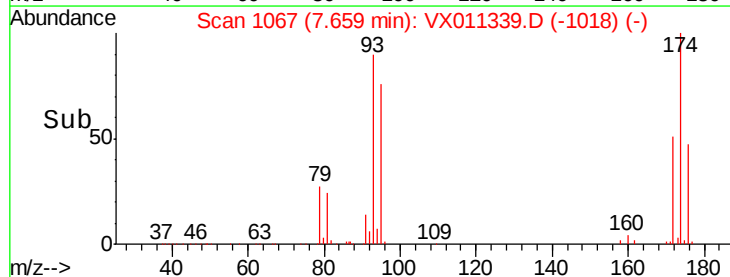
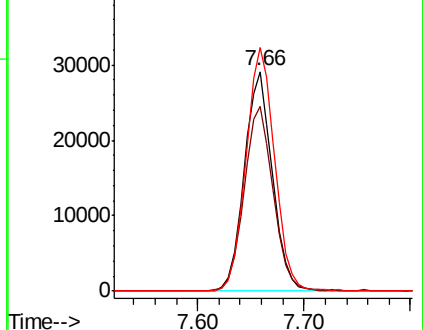
174 113.6 93.4 140.2

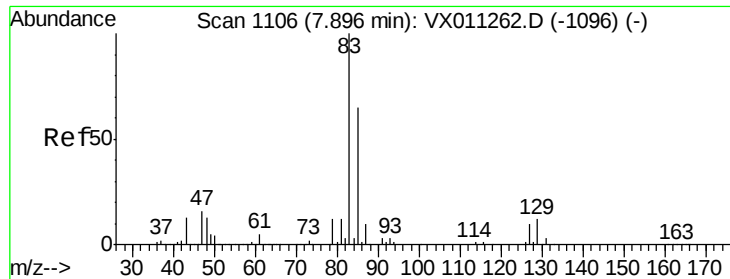


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





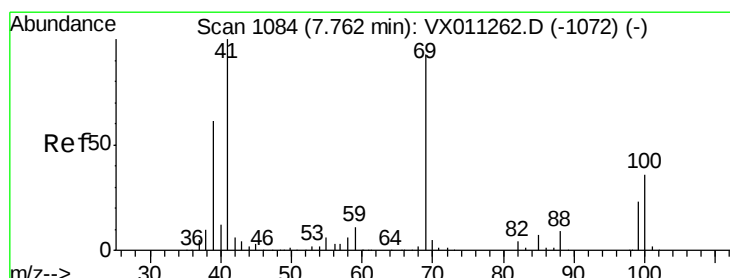
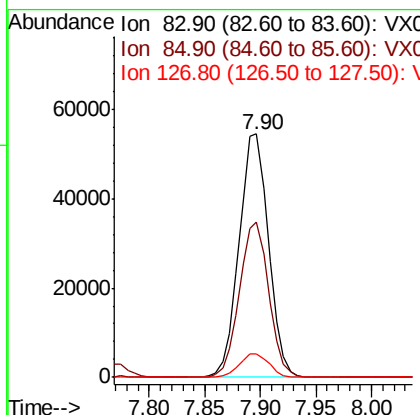
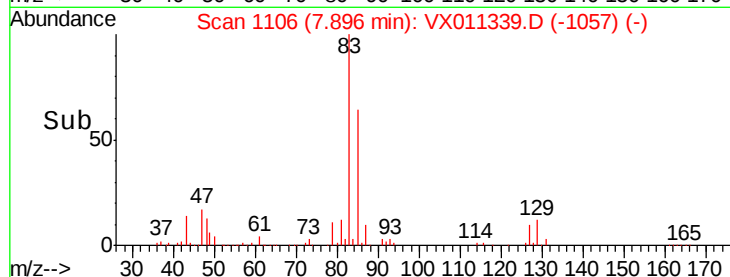
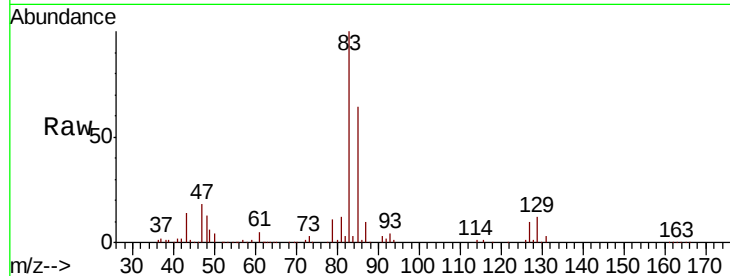
#47
 Bromodichloromethane
 Concen: 51.499 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.2	78.2
127	9.5	7.8	11.8

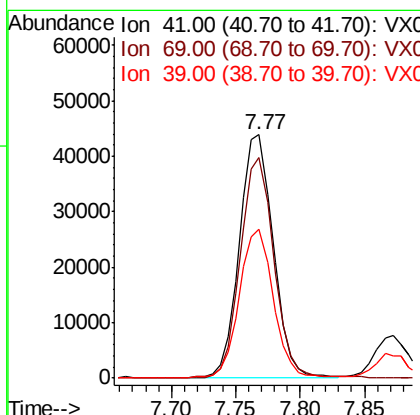
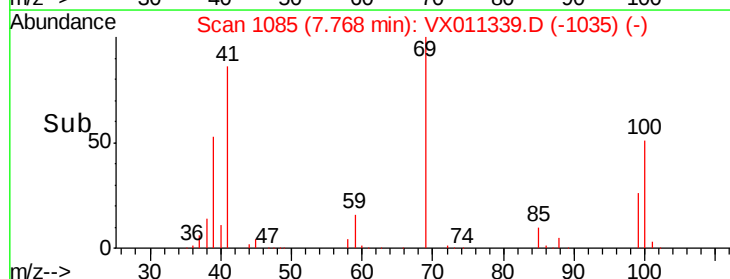
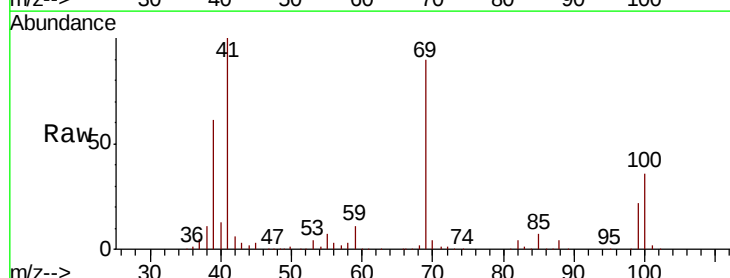
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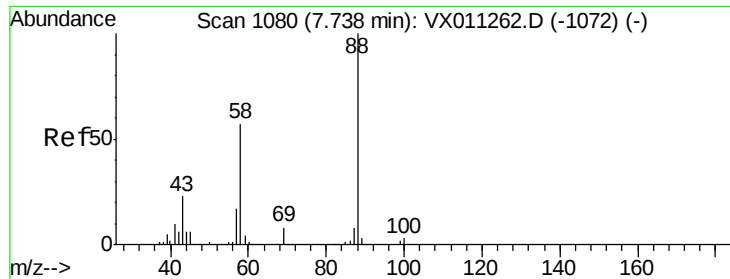
MMDadoda
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#48
 Methyl methacrylate
 Concen: 52.266 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.01 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.7	74.5	111.7
39	60.9	48.6	72.8





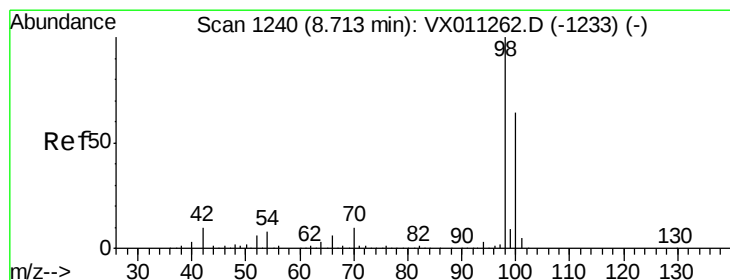
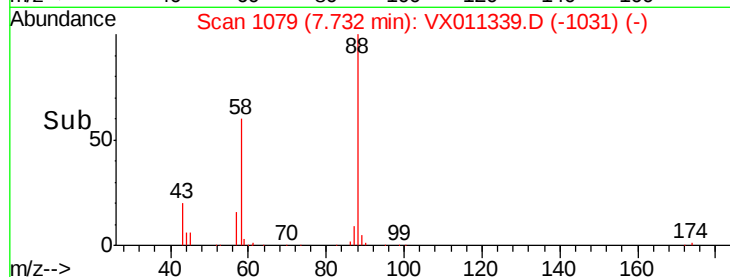
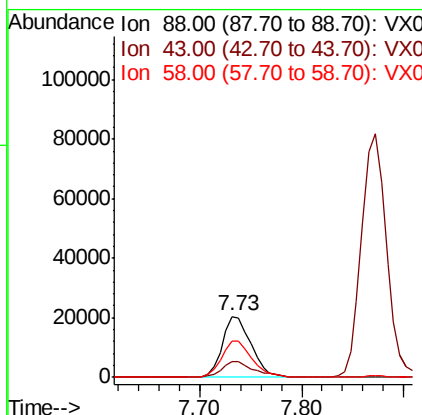
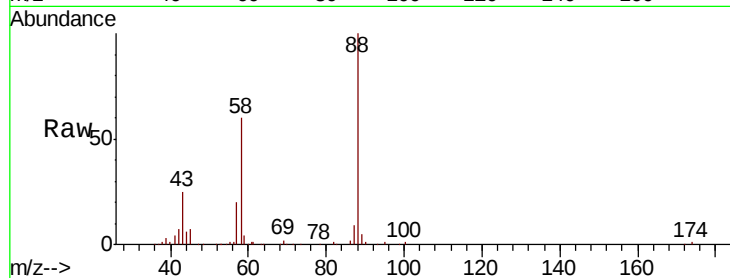
#49
1,4-Dioxane
Concen: 904.854 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	40297
Ion	Ratio	Lower	Upper
88	100		
43	28.8	22.2	33.2
58	63.3	47.8	71.8

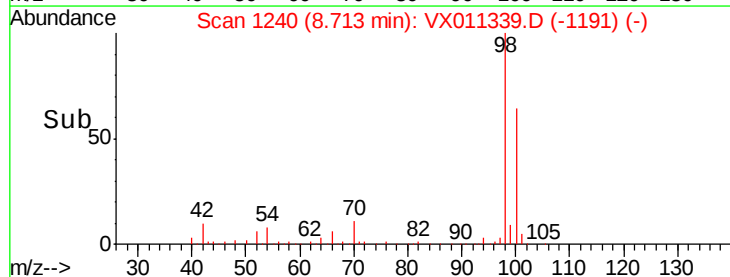
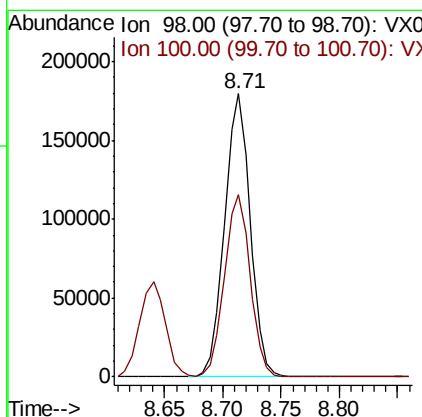
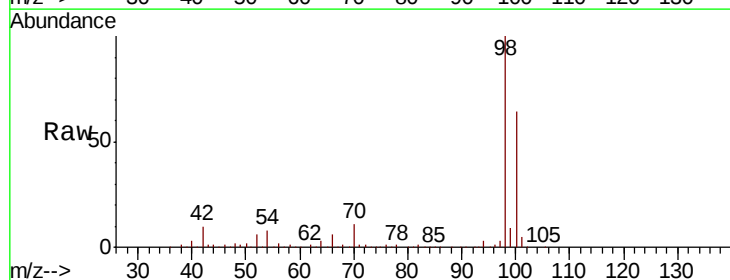
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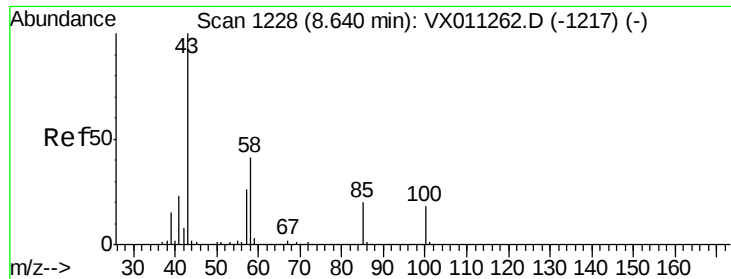
MMDadoda
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#50
Toluene-d8
Concen: 47.577 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion	98	Resp	273340
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 260.757 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 549299

Ion Ratio Lower Upper

43 100

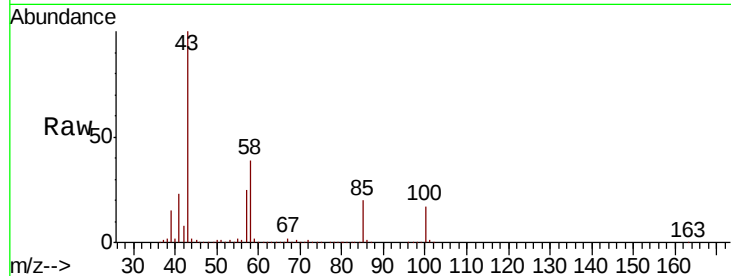
58 39.9 32.3 48.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

400000

300000

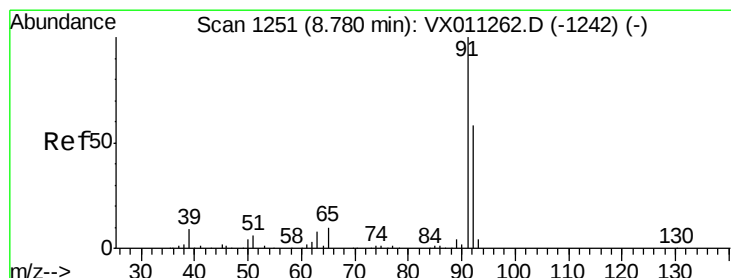
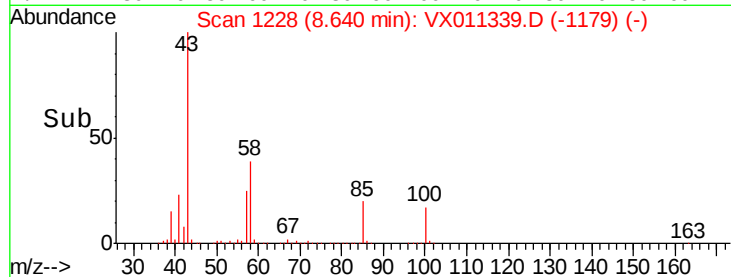
200000

100000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 48.654 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011339.D

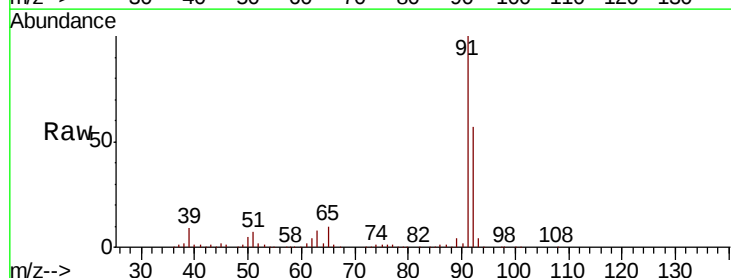
Acq: 05 Aug 2019 20:21

Tgt Ion: 92 Resp: 195386

Ion Ratio Lower Upper

92 100

91 174.0 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

250000

200000

150000

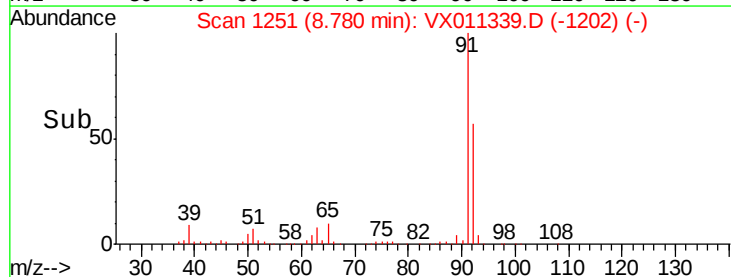
100000

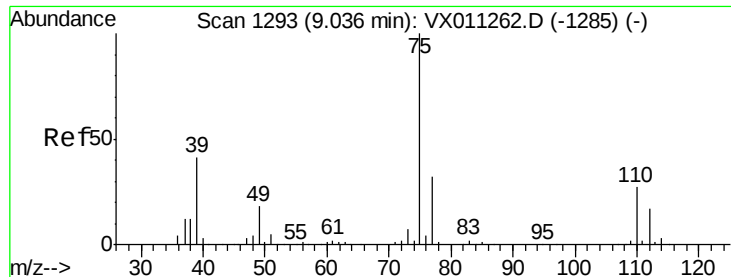
50000

0

8.70 8.80 8.90

Time-->





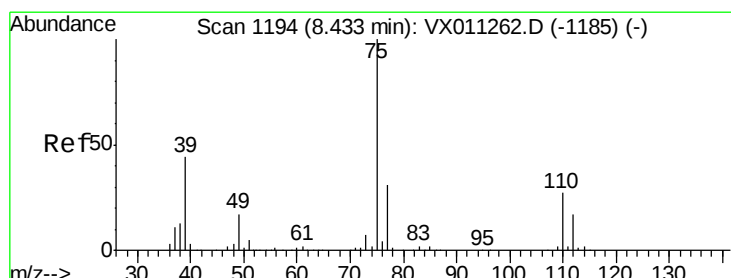
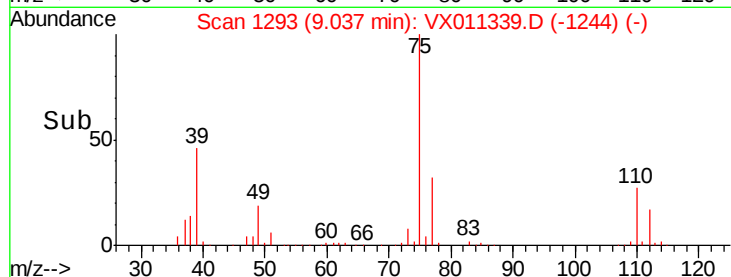
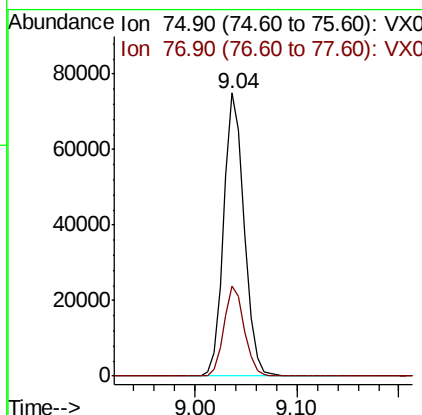
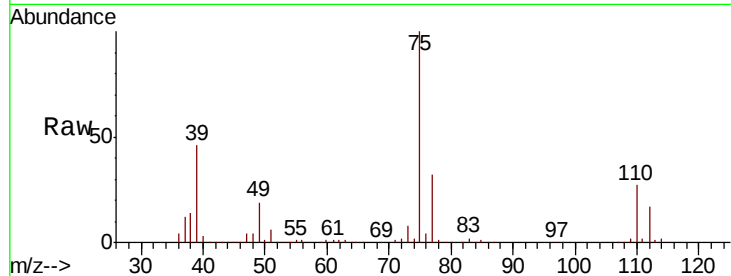
#53
t-1,3-Dichloropropene
Concen: 46.515 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 104844
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0

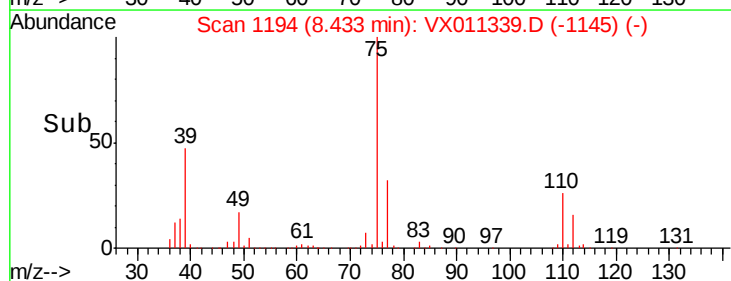
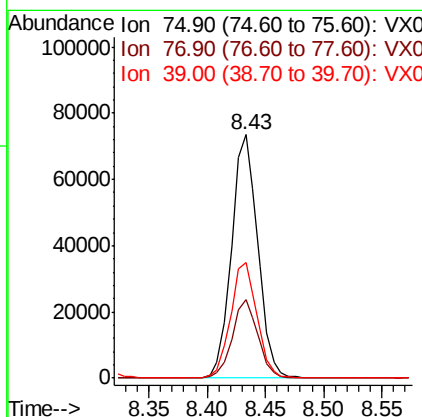
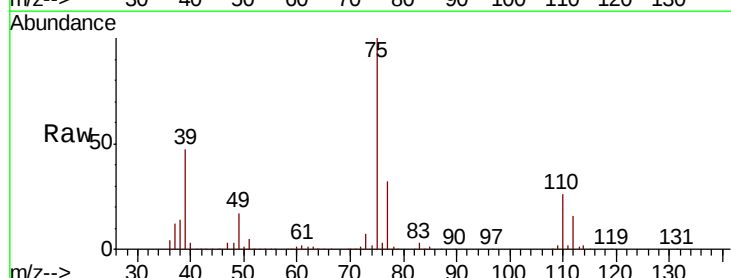
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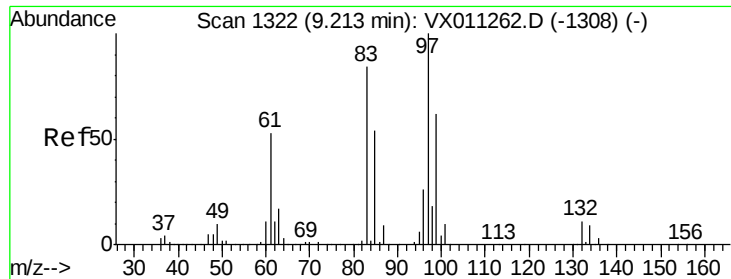
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#54
cis-1,3-Dichloropropene
Concen: 50.816 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion: 75 Resp: 115407
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.6
39 47.2 35.3 52.9





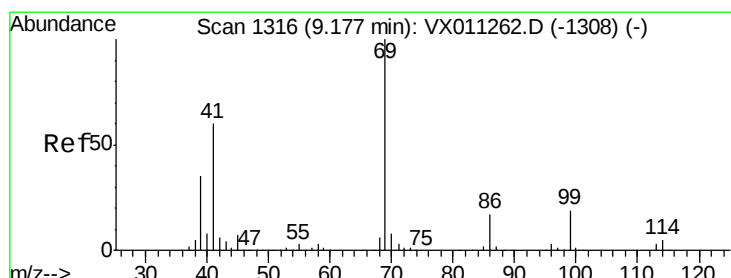
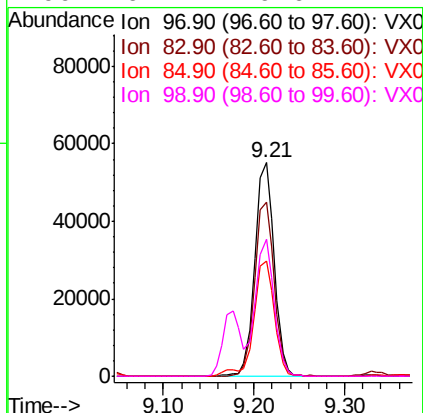
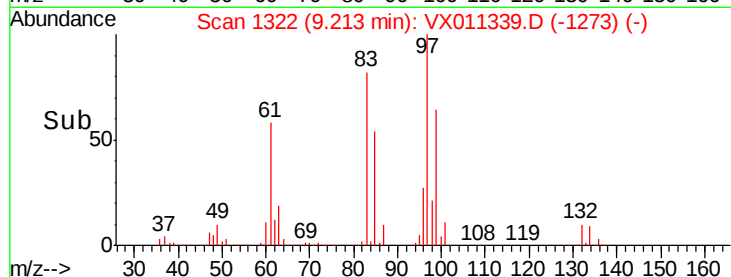
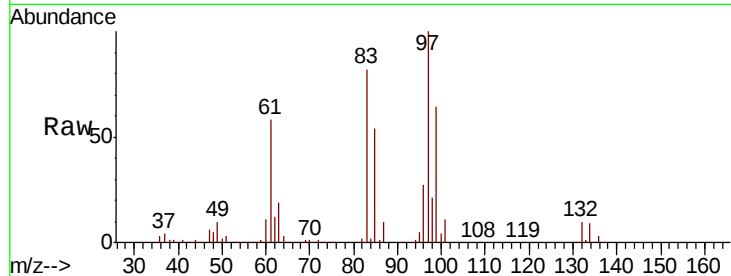
#55
 1,1,2-Trichloroethane
 Concen: 49.620 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	81928
Ion	Ratio	Lower	Upper
97	100		
83	81.6	67.6	101.4
85	54.2	43.4	65.0
99	64.2	49.6	74.4

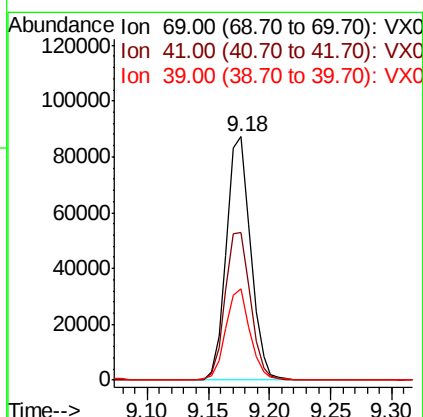
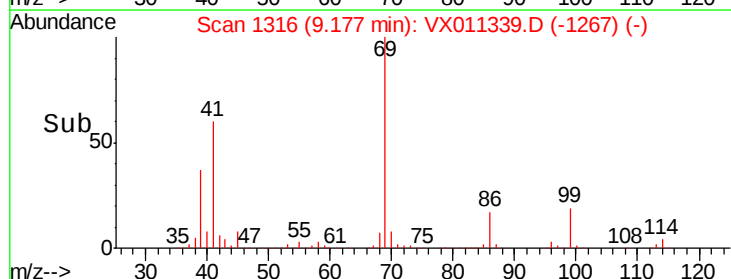
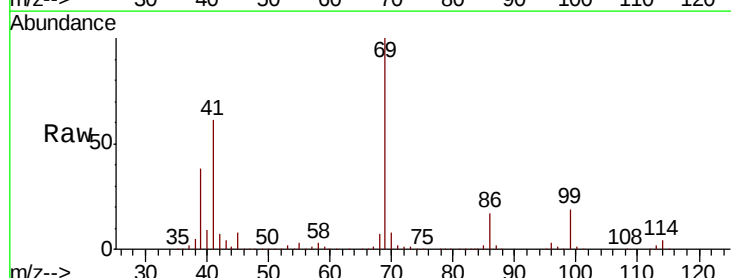
Manual Integrations
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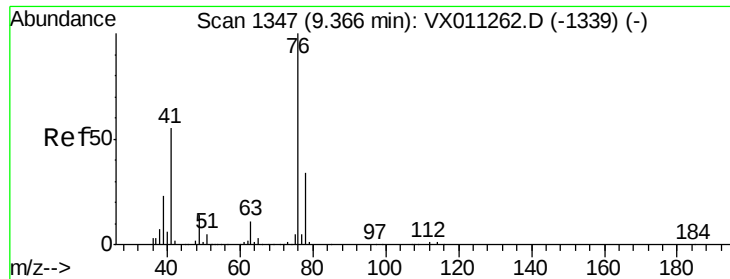
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#56
 Ethyl methacrylate
 Concen: 50.983 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Tgt Ion:	69	Resp:	119959
Ion	Ratio	Lower	Upper
69	100		
41	62.8	48.6	73.0
39	37.4	29.4	44.2





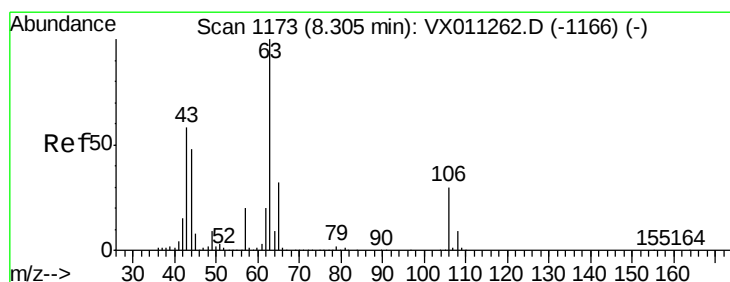
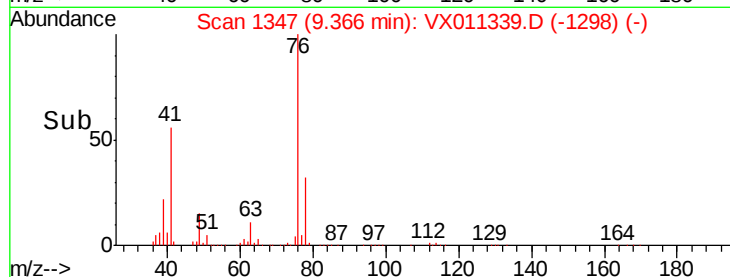
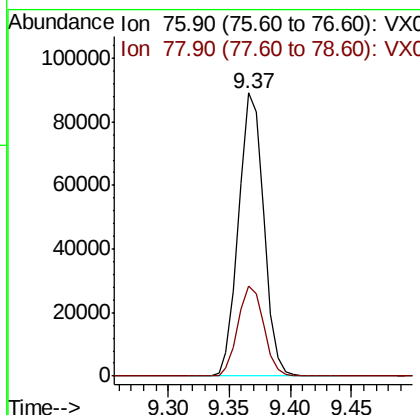
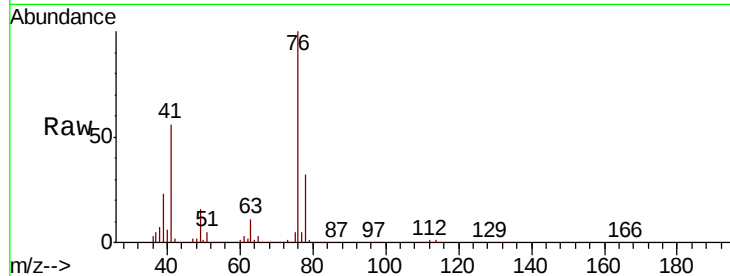
#57
 1,3-Dichloropropane
 Concen: 48.553 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.6	40.0

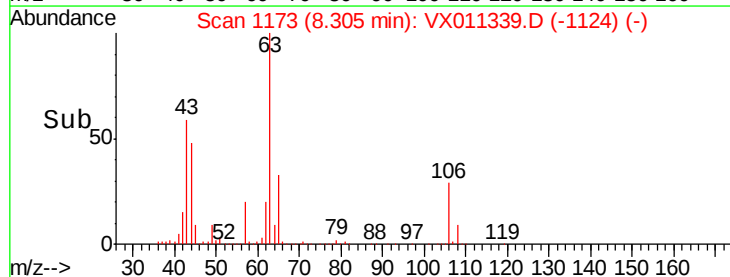
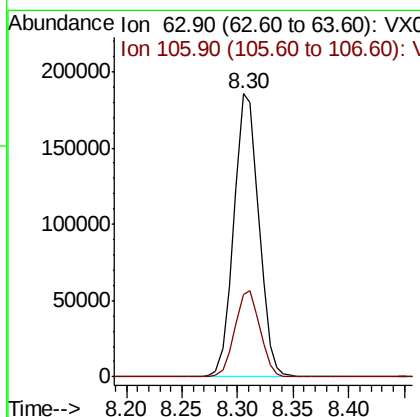
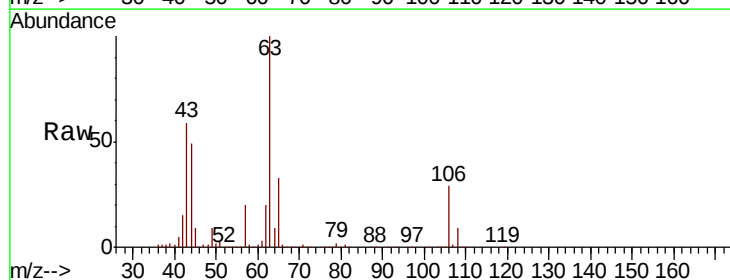
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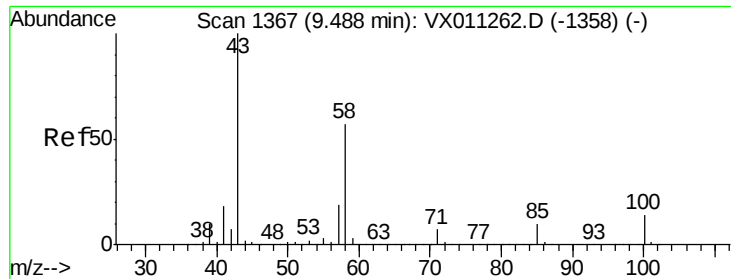
MMDadoda
 8/6/2019 4:48:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.314 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	24.4	36.6





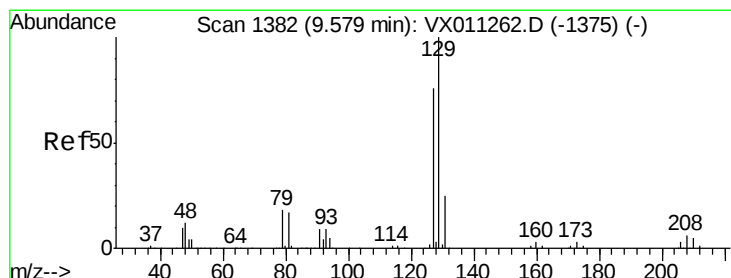
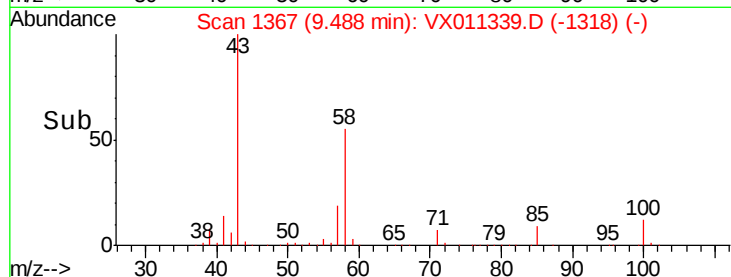
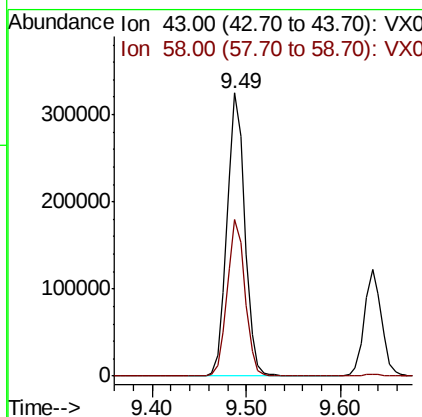
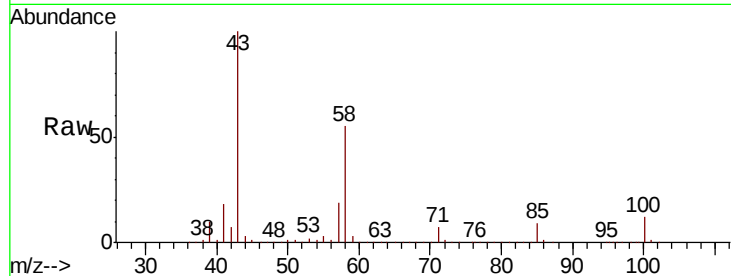
#59
2-Hexanone
Concen: 261.397 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	28.2	84.6

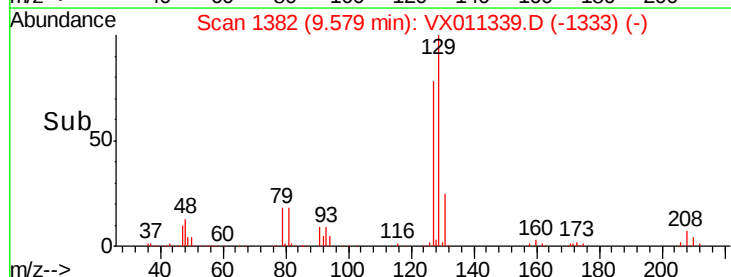
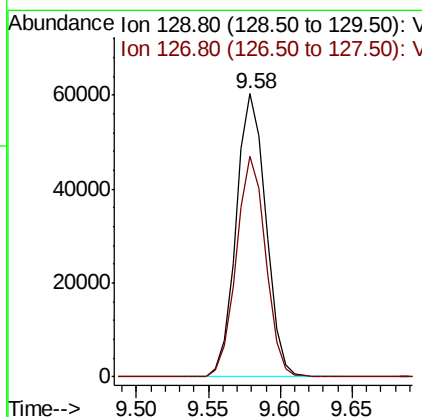
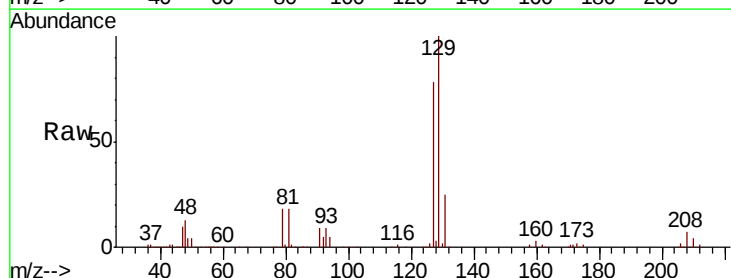
Manual Integrations
APPROVED

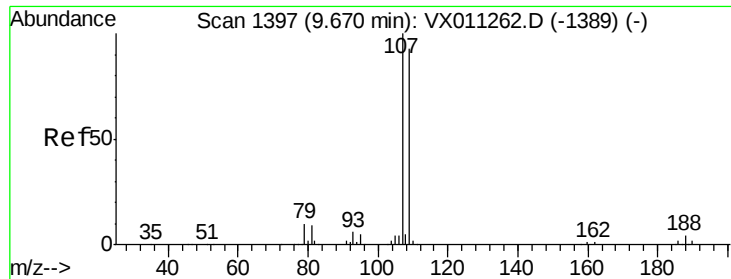
MMDadoda
8/6/2019 4:48:47 PM



#60
Dibromochloromethane
Concen: 51.337 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.2	117.6





#61

1,2-Dibromoethane

Concen: 49.467 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 88243

Ion Ratio Lower Upper

107 100

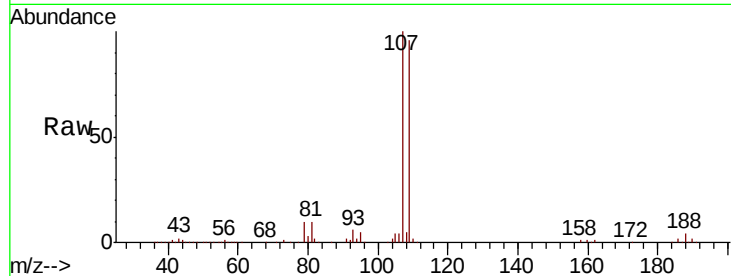
109 94.9 76.6 114.8

Manual Integrations

APPROVED

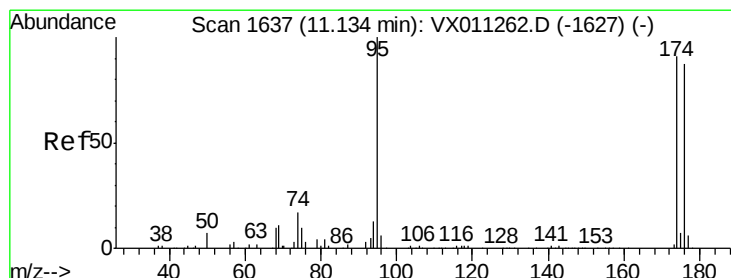
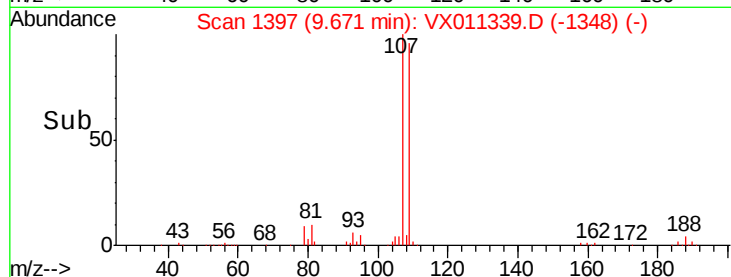
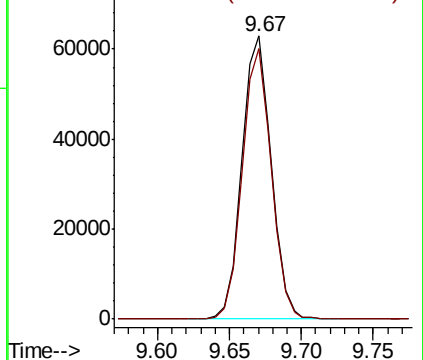
MMDadoda

8/6/2019 4:48:47 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.197 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

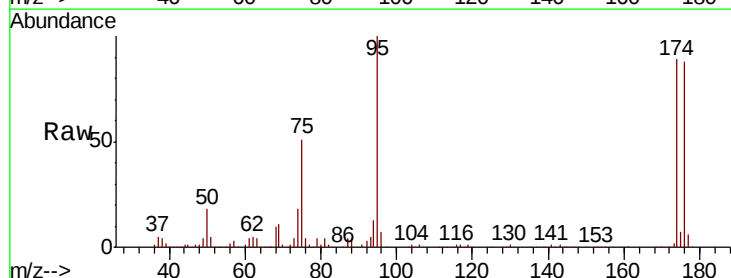
Tgt Ion: 95 Resp: 100913

Ion Ratio Lower Upper

95 100

174 93.4 0.0 191.2

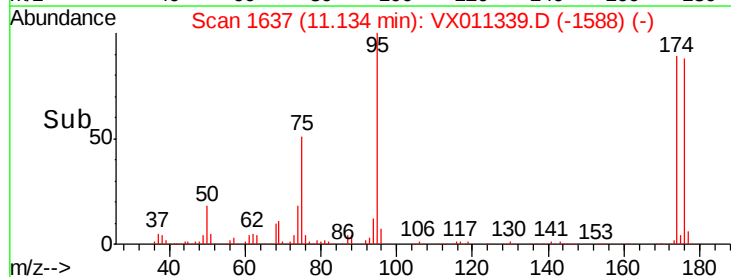
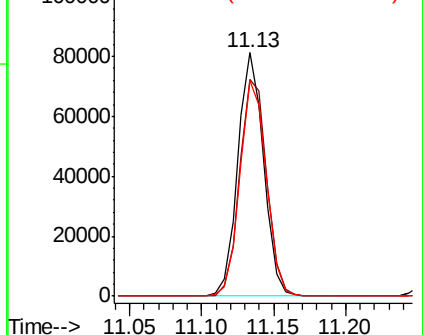
176 90.1 0.0 184.8

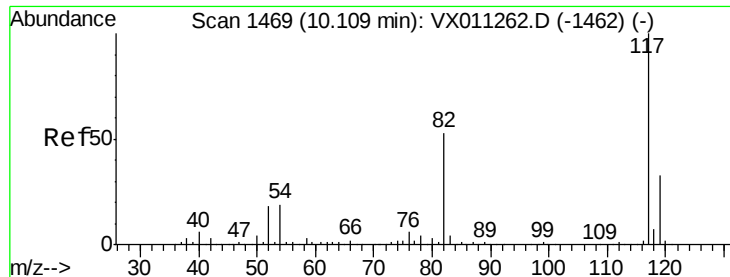


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





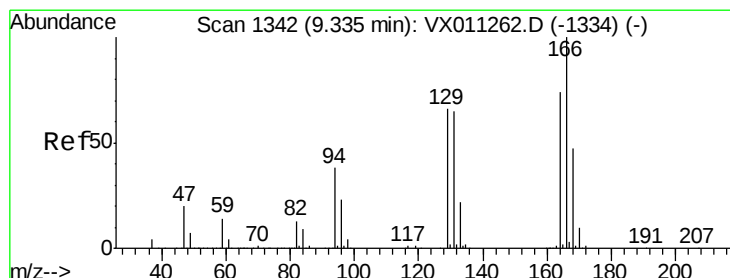
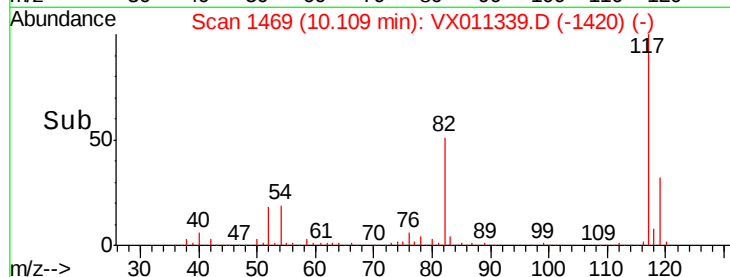
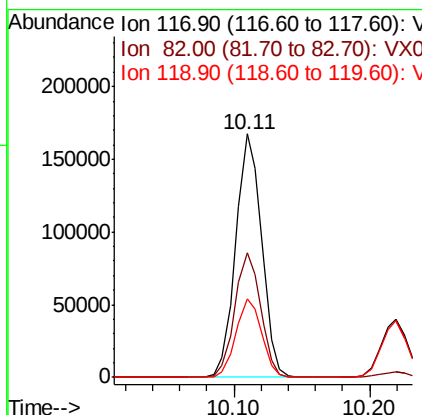
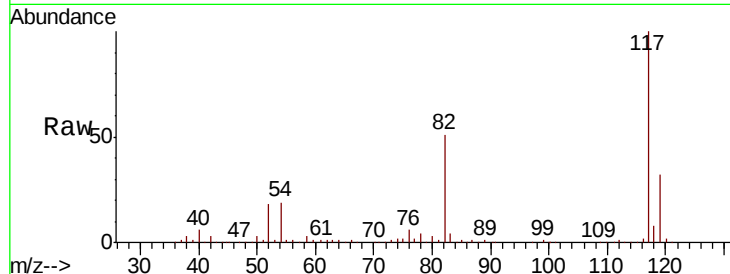
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.2	63.2
119	32.1	26.6	39.8

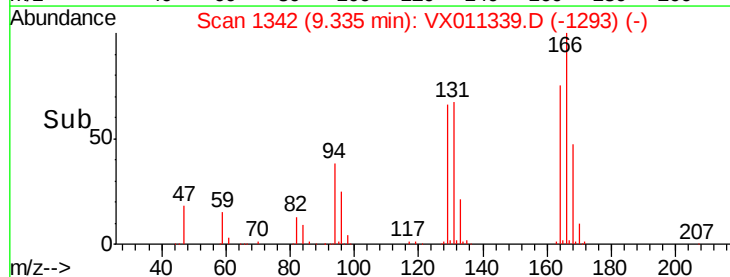
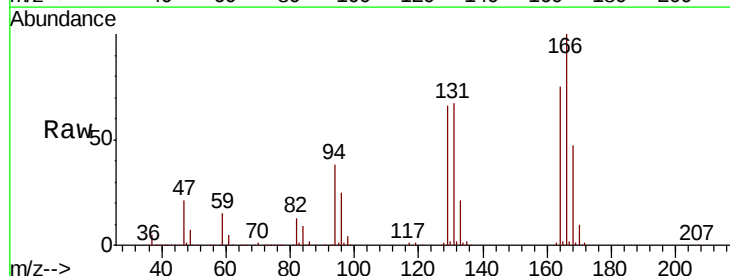
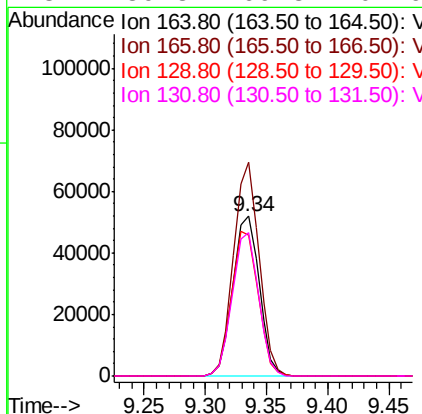
Manual Integrations
APPROVED

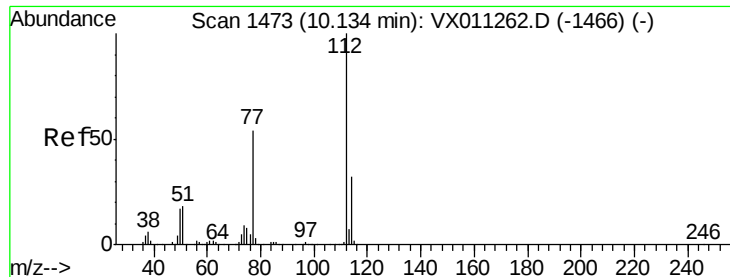
MMDadoda
8/6/2019 4:48:47 PM



#64
Tetrachloroethene
Concen: 41.060 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.6	107.5	161.3
129	88.5	71.0	106.4
131	89.3	69.8	104.6





#65

Chlorobenzene

Concen: 46.231 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 220023

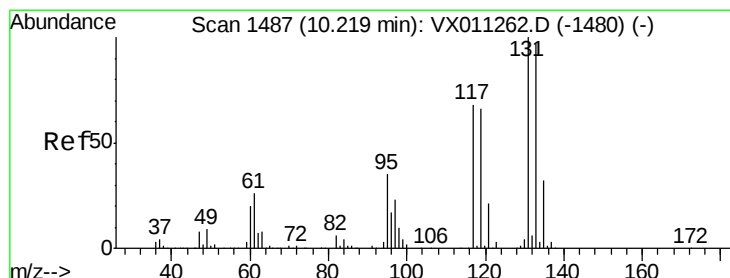
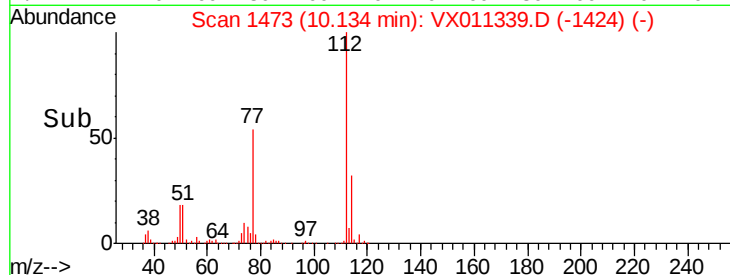
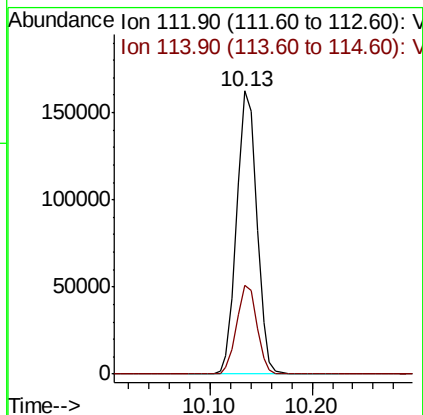
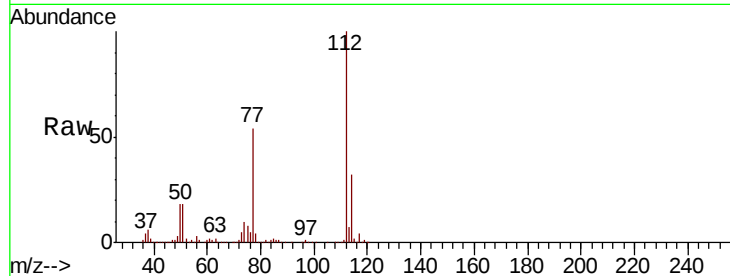
Ion Ratio Lower Upper

112 100

114 31.5 25.9 38.9

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 50.260 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

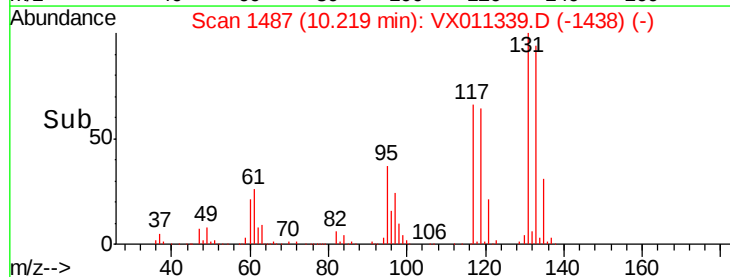
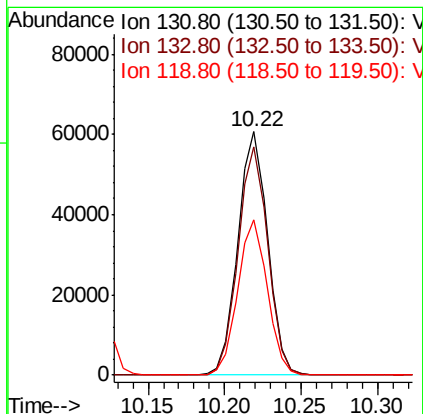
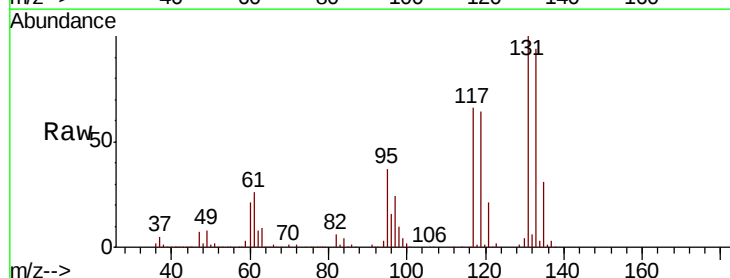
Tgt Ion:131 Resp: 81890

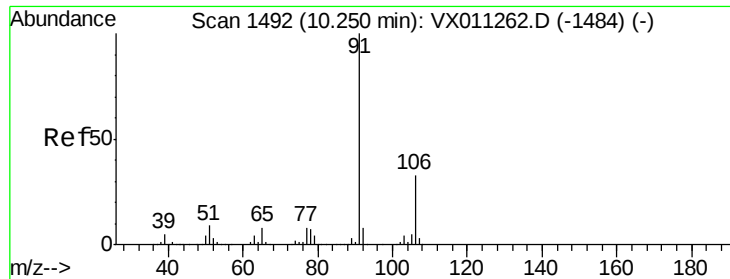
Ion Ratio Lower Upper

131 100

133 93.6 47.7 143.1

119 63.2 32.8 98.3





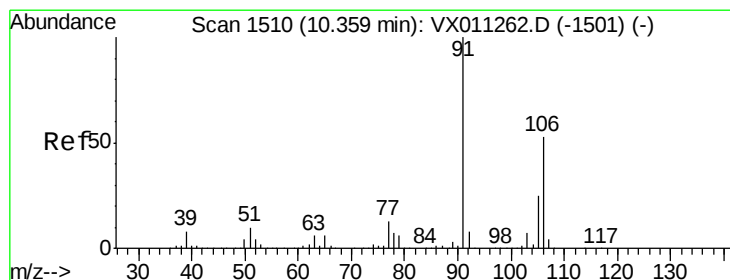
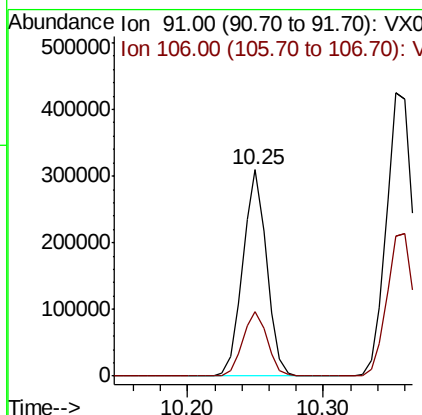
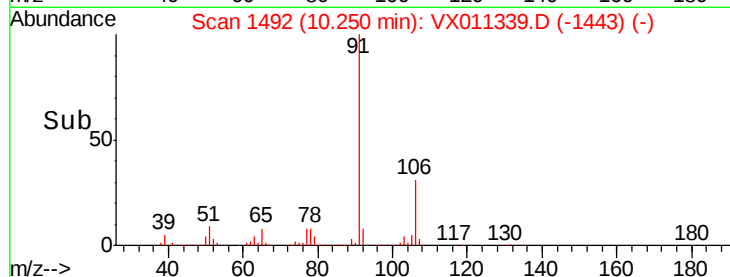
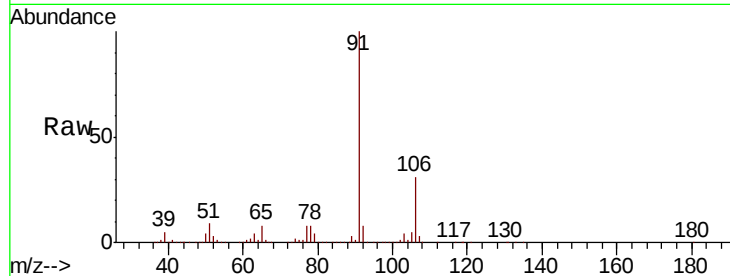
#67
Ethyl Benzene
Concen: 47.491 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 378529
Ion Ratio Lower Upper
91 100
106 31.4 26.2 39.4

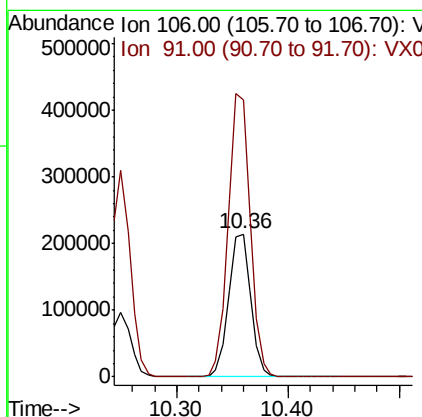
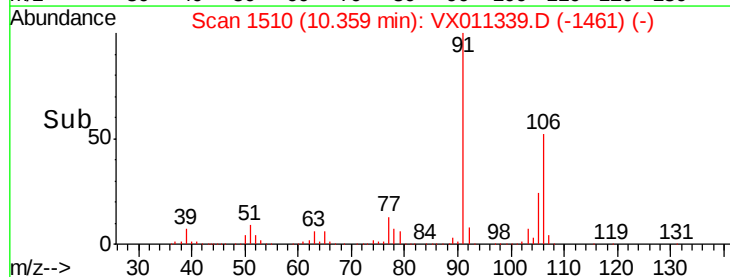
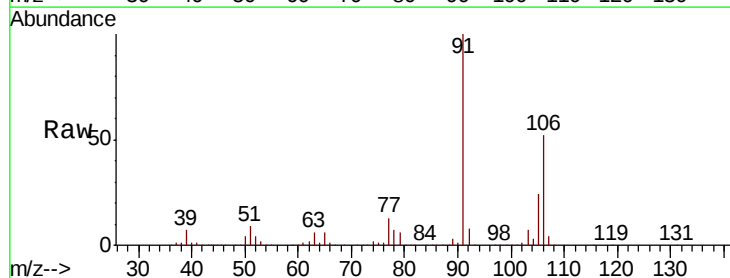
Manual Integrations
APPROVED

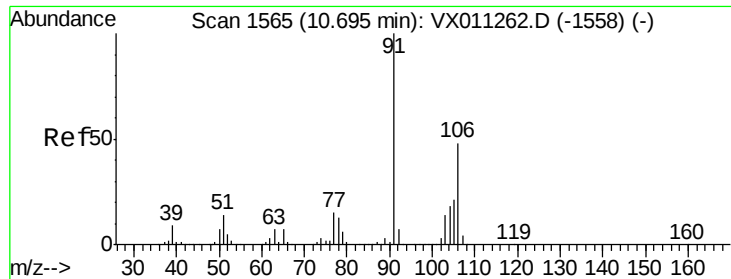
MMDadoda
8/6/2019 4:48:47 PM



#68
m/p-Xylenes
Concen: 95.765 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion: 106 Resp: 295242
Ion Ratio Lower Upper
106 100
91 197.2 155.9 233.9





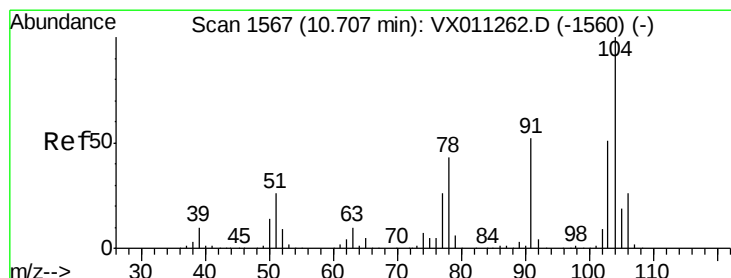
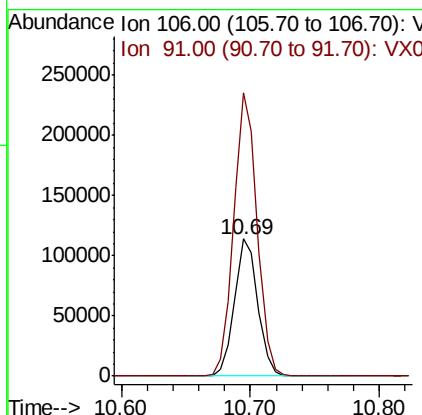
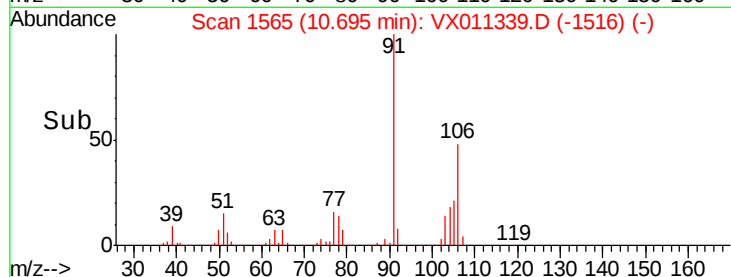
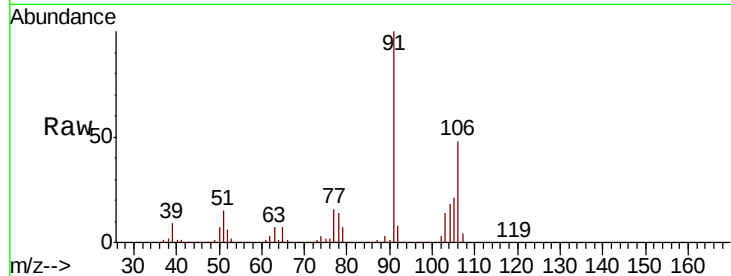
#69
o-Xylene
Concen: 47.618 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	206.2	103.8	311.3		

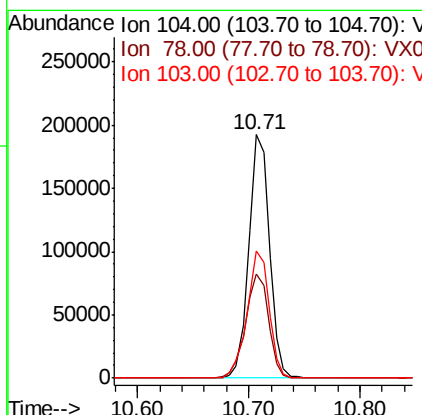
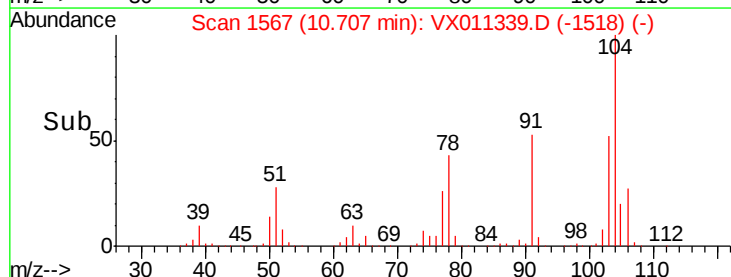
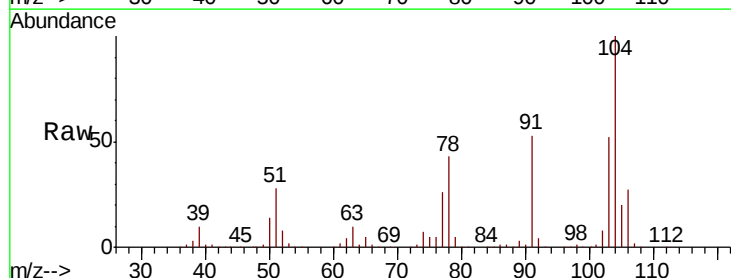
Manual Integrations
APPROVED

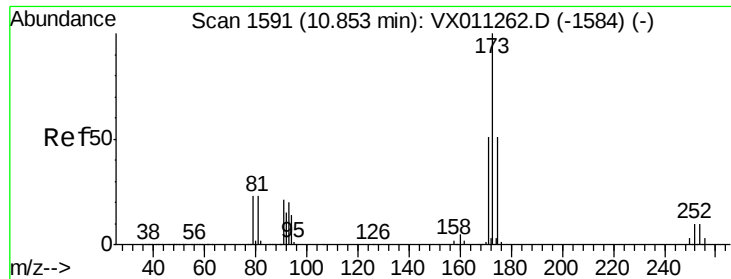
MMDadoda
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#70
Styrene
Concen: 49.577 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.8	36.9	55.3		
103	55.5	44.4	66.6		





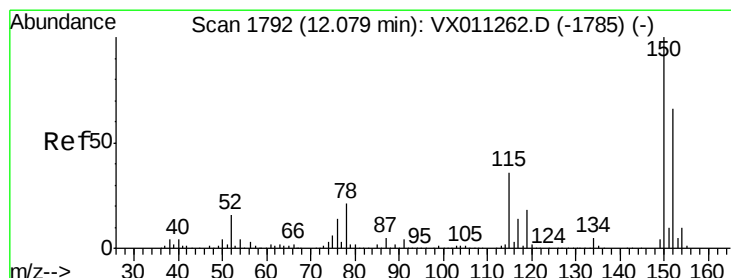
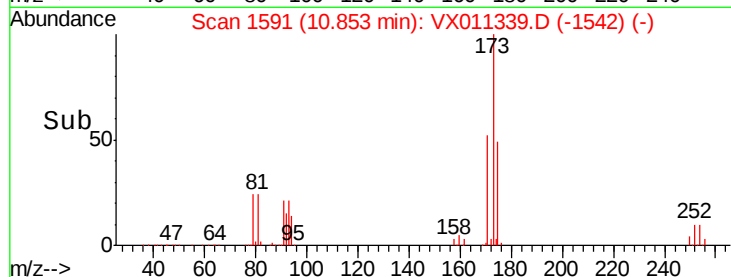
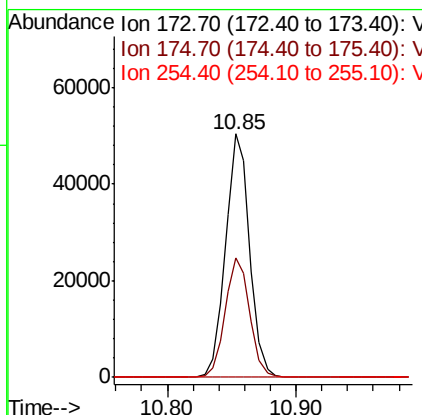
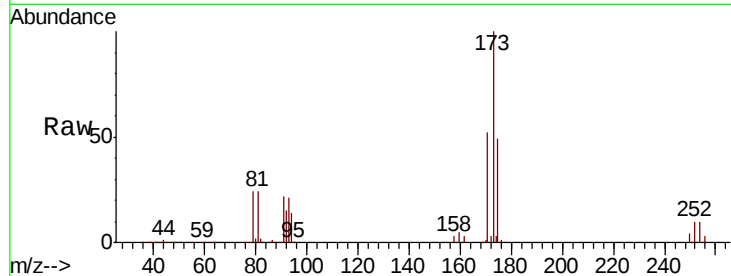
#71
Bromoform
Concen: 45.559 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.4	73.4
254	0.2	0.2	0.2

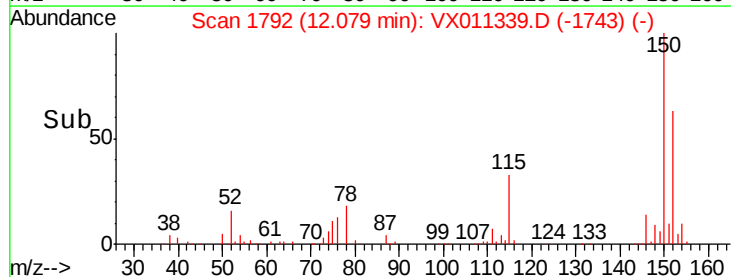
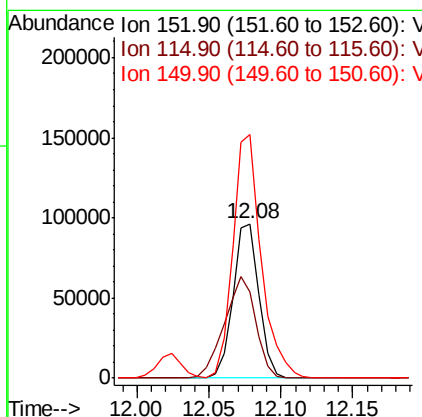
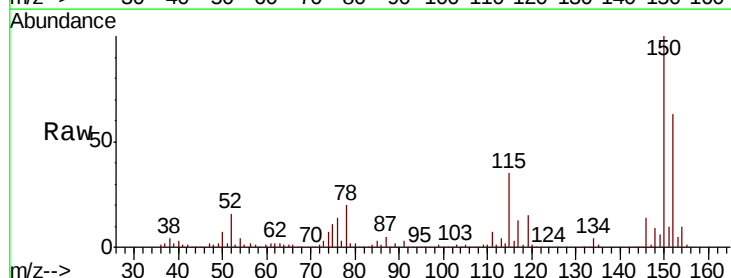
Manual Integrations
APPROVED

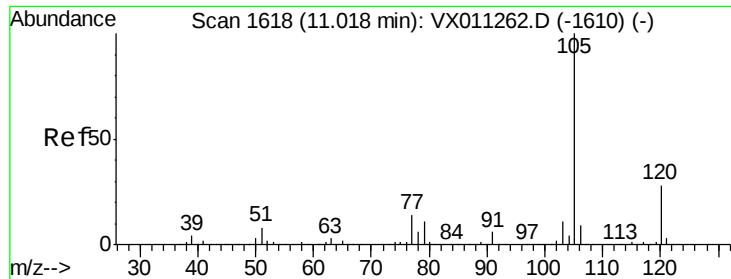
MMDadoda
8/6/2019 4:48:47 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.3	40.0	119.9
150	172.5	0.0	350.4





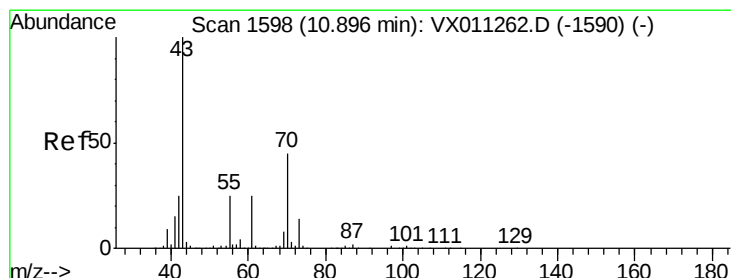
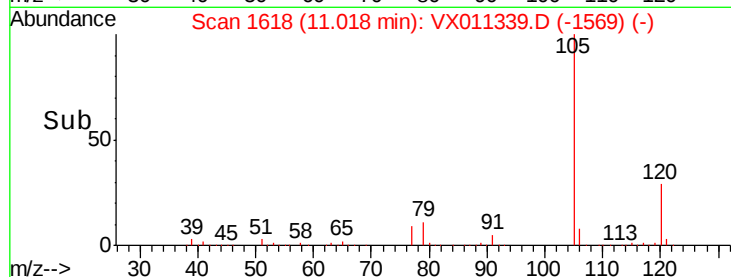
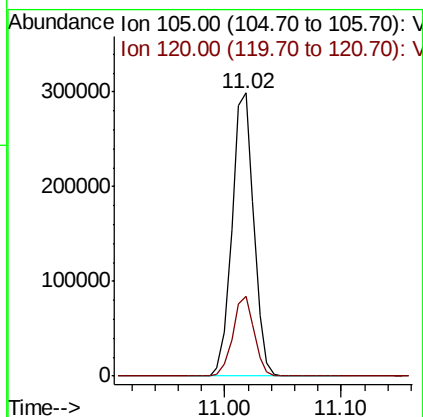
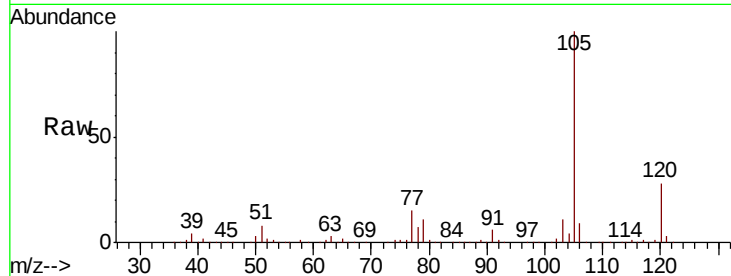
#73
Isopropylbenzene
Concen: 46.953 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 388414
Ion Ratio Lower Upper
105 100
120 27.5 13.7 41.1

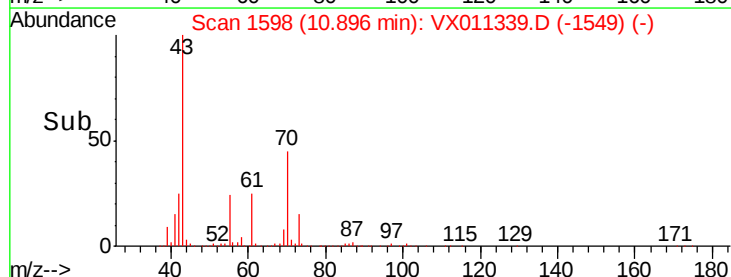
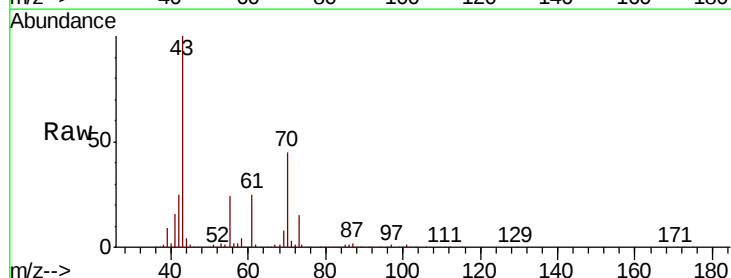
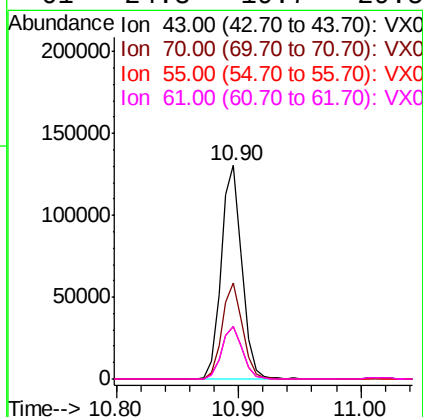
Manual Integrations
APPROVED

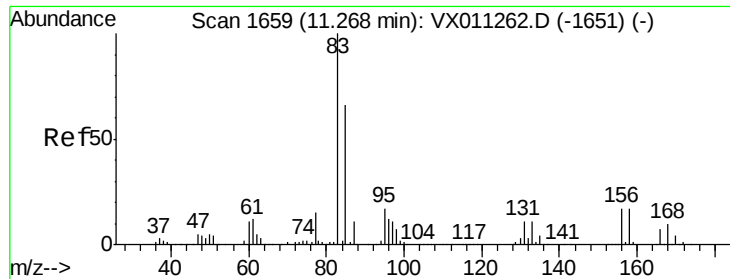
MMDadoda
8/6/2019 4:48:47 PM



#74
N-ethyl acetate
Concen: 51.172 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion: 43 Resp: 152956
Ion Ratio Lower Upper
43 100
70 44.5 35.9 53.9
55 25.1 19.8 29.6
61 24.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.165 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

Instrument :

MSVOA_X

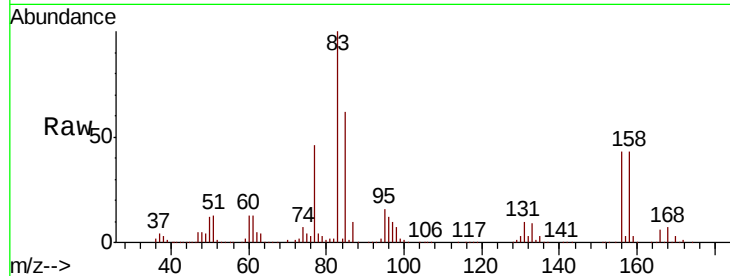
ClientSampleId :

VSTDCCC050EC

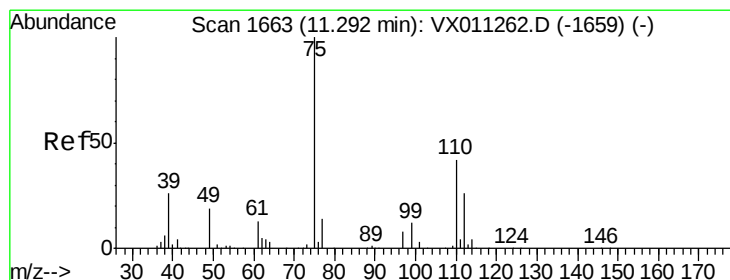
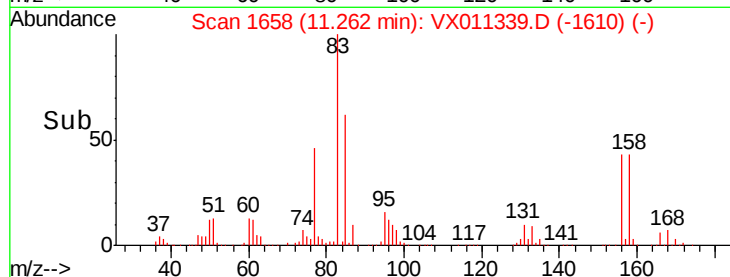
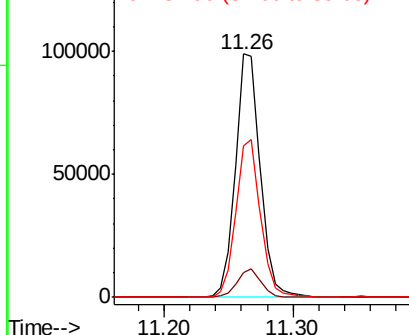
Tot Ion:	83	Resp:	132780
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.6	16.8
85	64.3	32.1	96.5

Manual Integrations
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8/6/2019 4:48:47 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 49.973 ug/l m

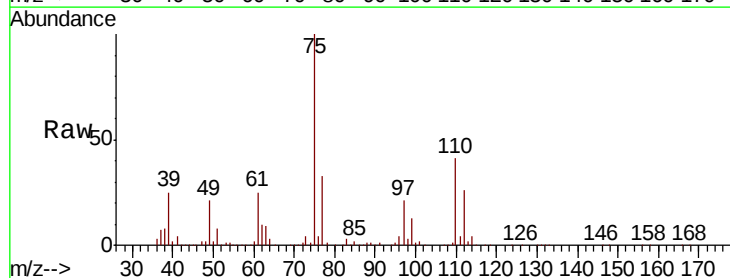
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

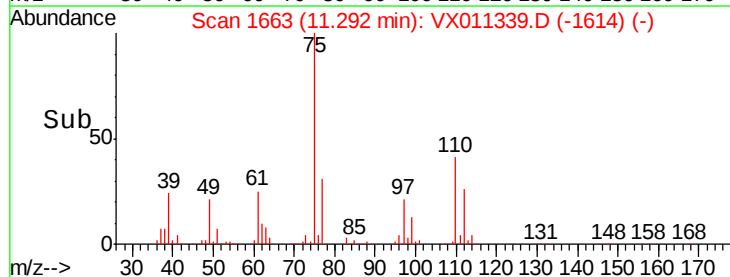
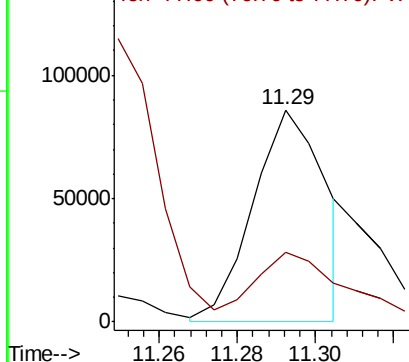
Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

Tgt Ion:	75	Resp:	110077
Ion Ratio	Lower	Upper	
75	100		
77	41.6	21.1	63.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





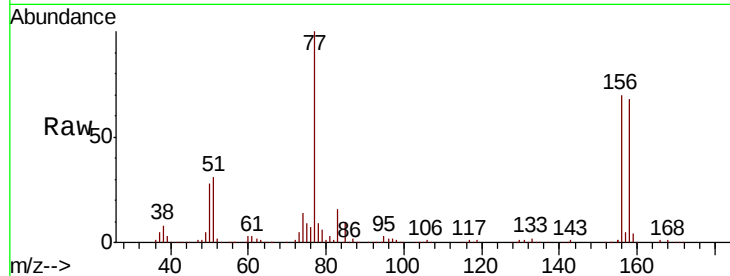
#77
Bromobenzene
Concen: 45.696 ug/l
RT: 11.25 min Scan# 1656
Delta R.T. -0.01 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.7	66.2	198.6
158	97.8	49.1	147.3

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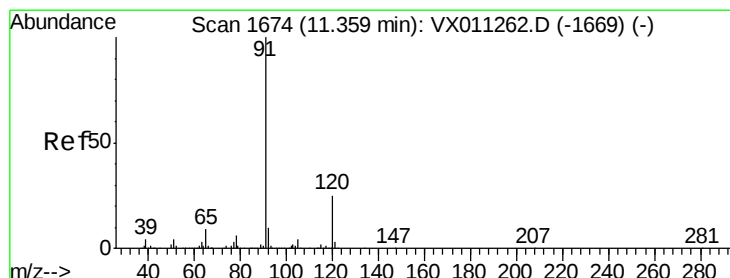
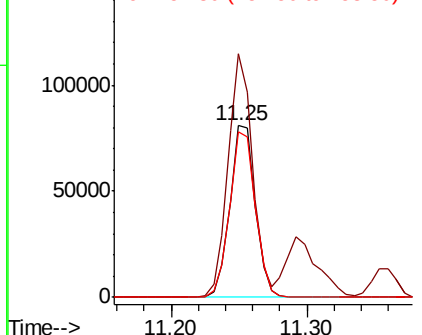
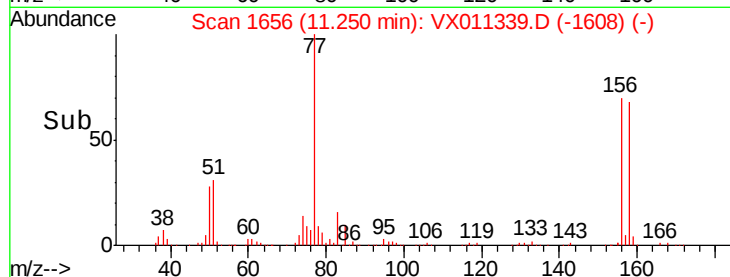


Abundance

Ion 155.80 (155.50 to 156.50): V

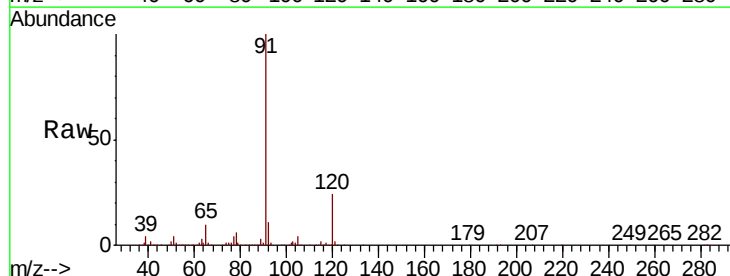
Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78
n-propylbenzene
Concen: 47.317 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

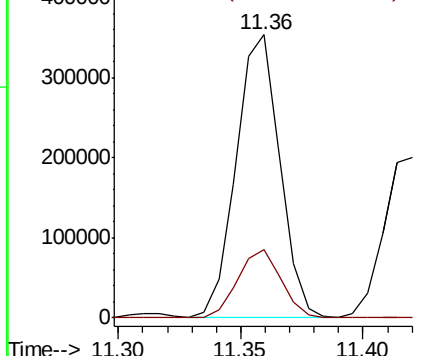
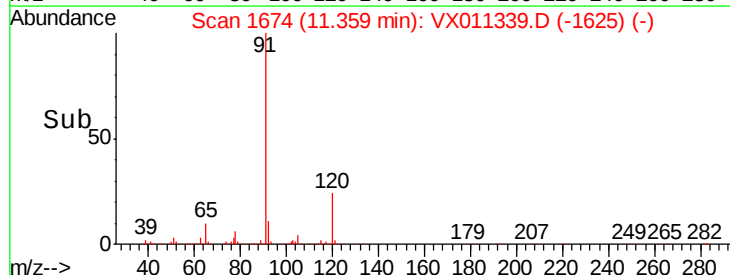
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.4	37.0



Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





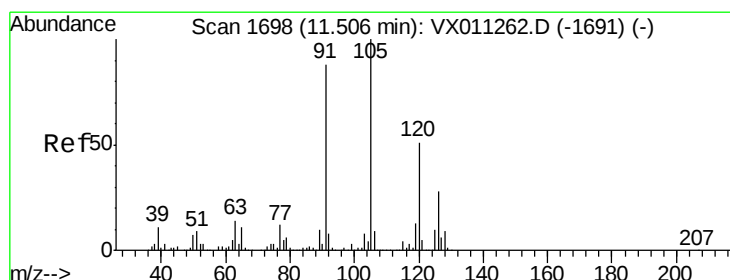
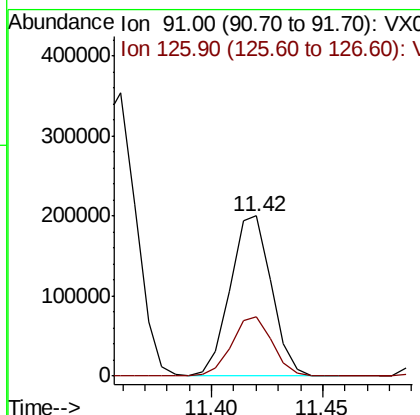
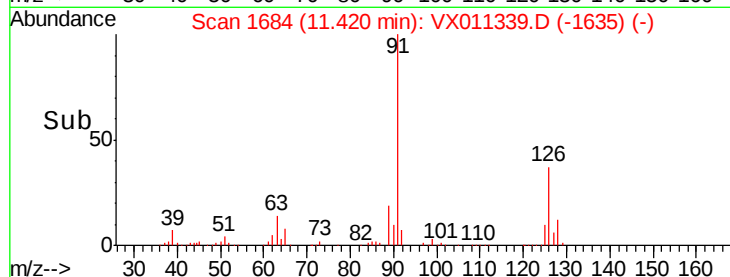
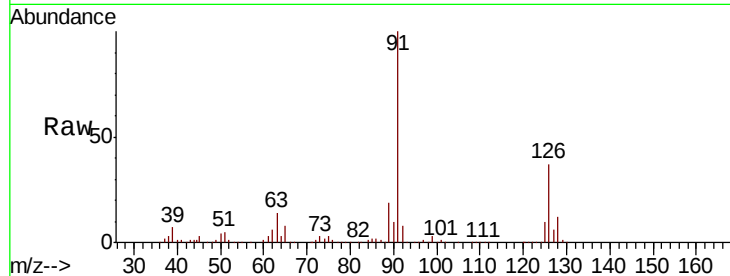
#79
 2-Chlorotoluene
 Concen: 46.925 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 257295
 Ion Ratio Lower Upper
 91 100
 126 36.5 18.5 55.5

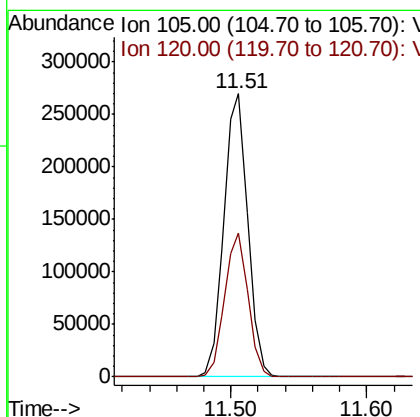
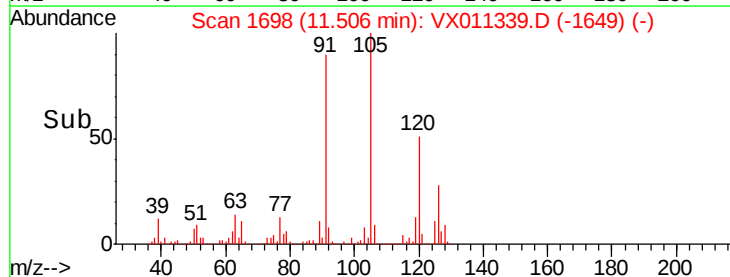
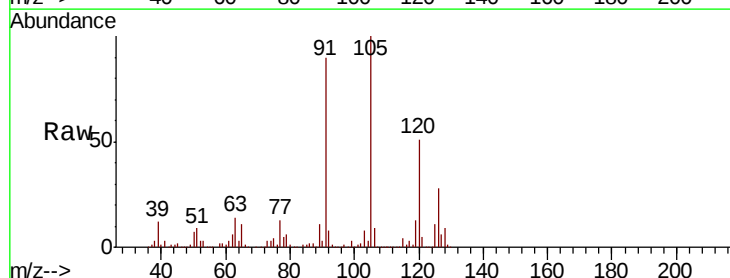
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#80
 1,3,5-Trimethylbenzene
 Concen: 47.308 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Tgt Ion: 105 Resp: 327601
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.1 75.2





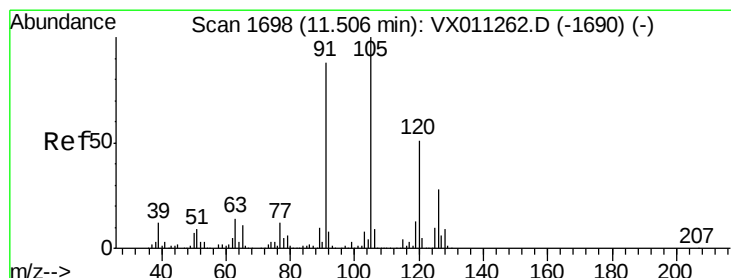
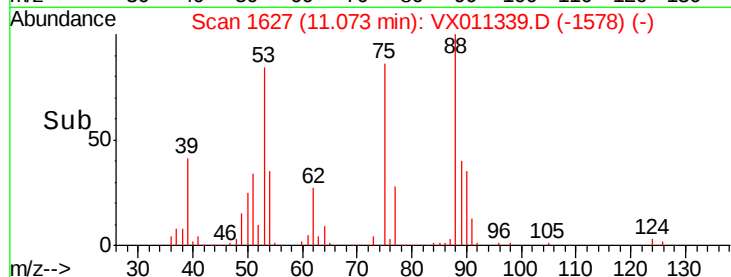
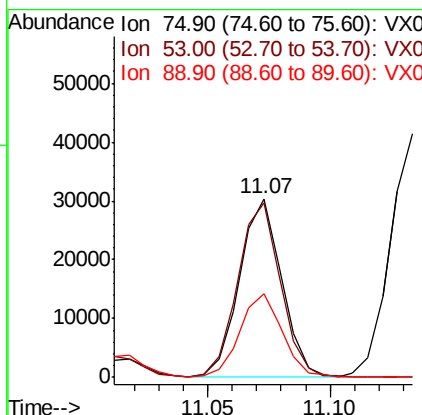
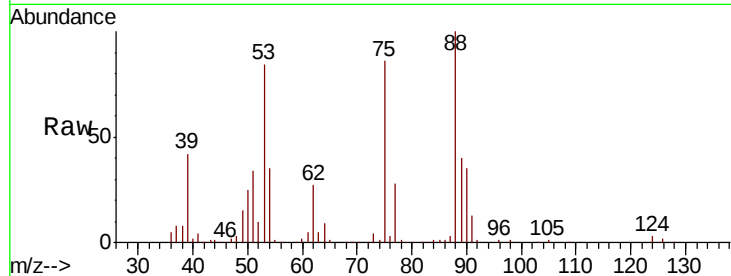
#81
trans-1,4-Dichloro-2-butene
Concen: 44.283 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.8	78.2	117.4
89	47.5	37.9	56.9

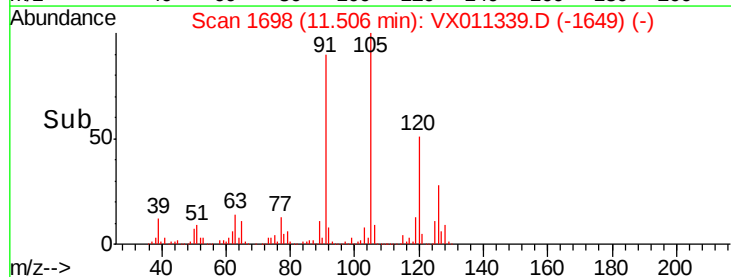
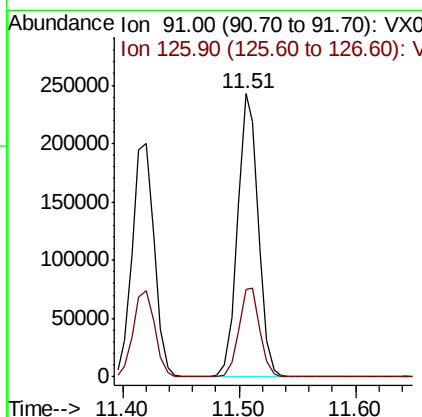
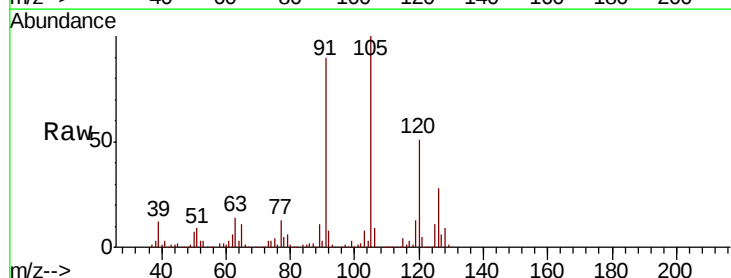
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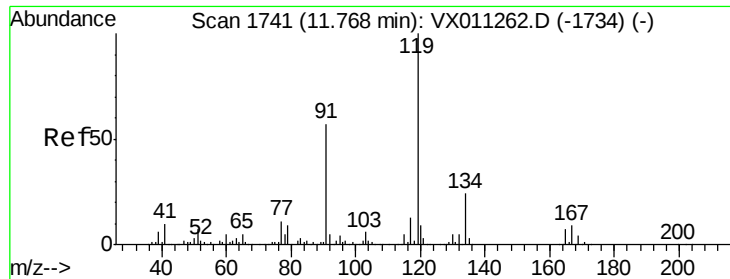
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#82
4-Chlorotoluene
Concen: 46.856 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.2





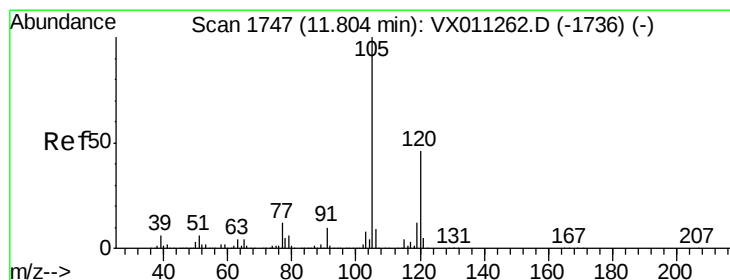
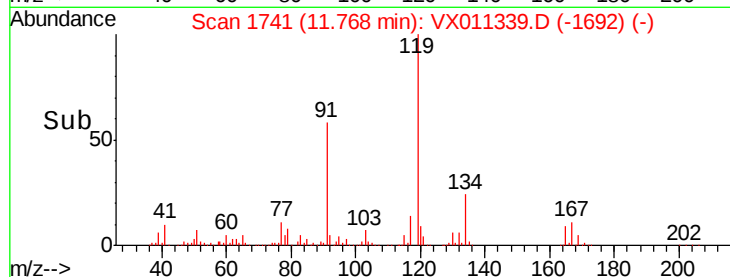
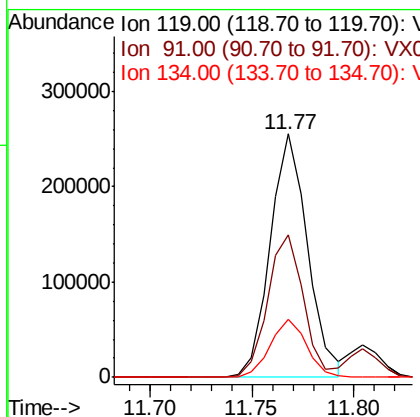
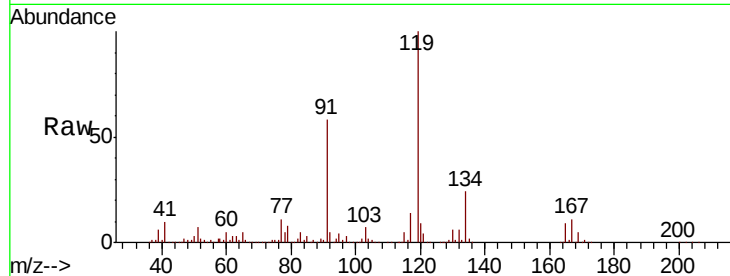
#83
tert-Butylbenzene
Concen: 47.991 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.7	28.0	84.0
134	23.1	11.9	35.5

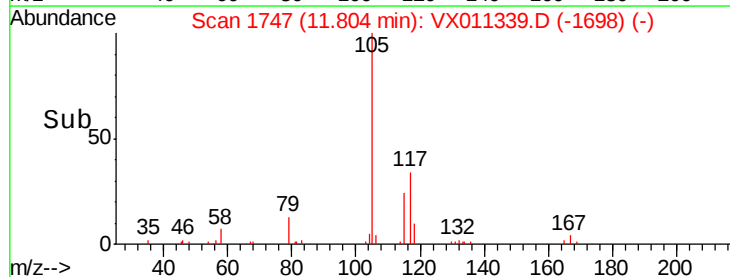
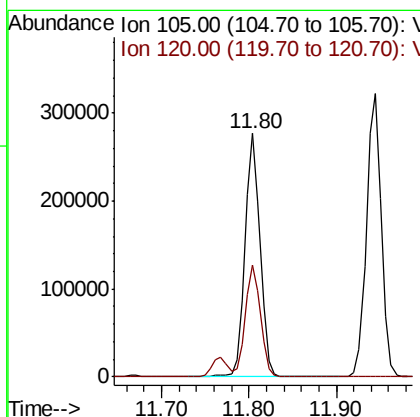
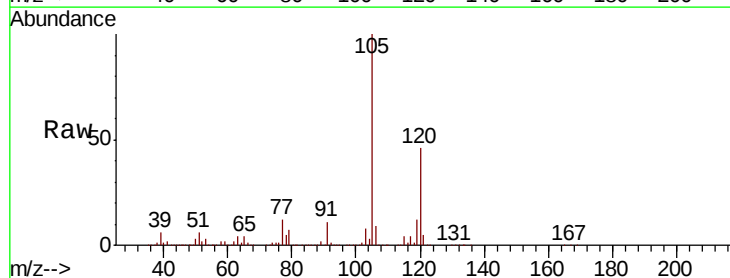
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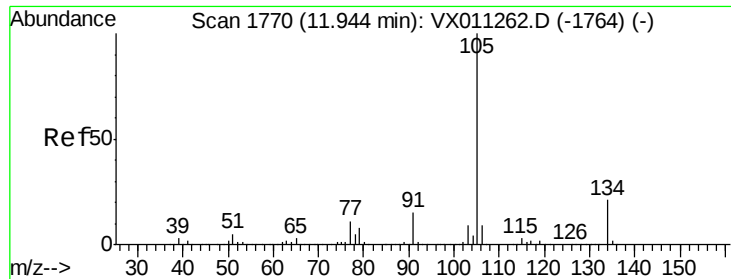
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#84
1,2,4-Trimethylbenzene
Concen: 48.040 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.0	69.0





#85

sec-Butylbenzene

Concen: 47.144 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 384698

Ion Ratio Lower Upper

105 100

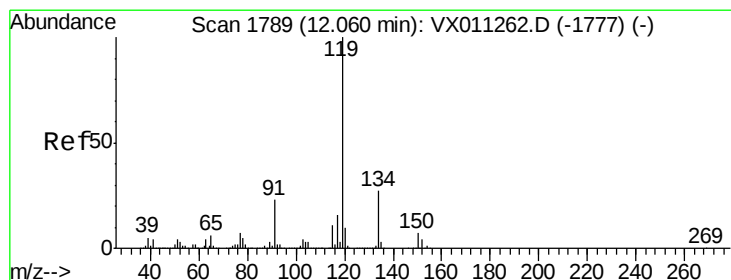
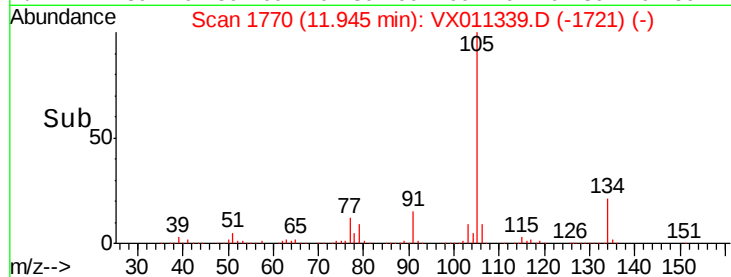
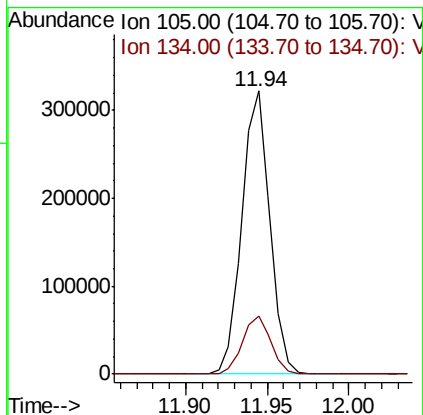
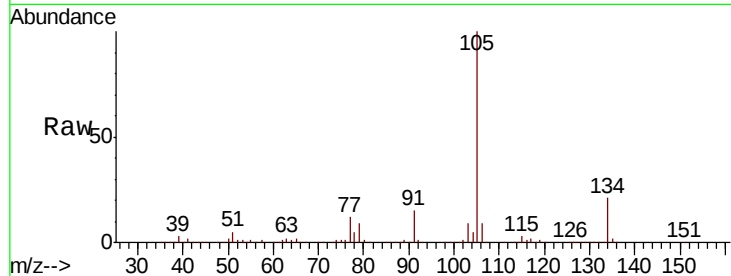
134 20.9 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 47.409 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011339.D

Acq: 05 Aug 2019 20:21

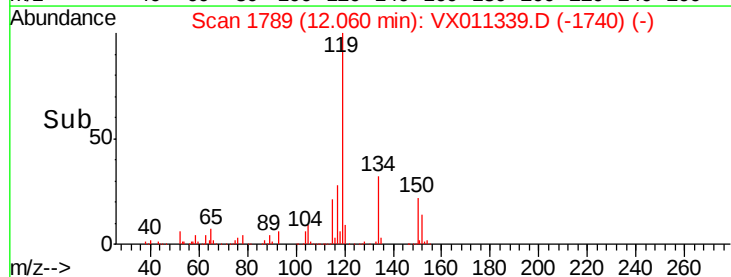
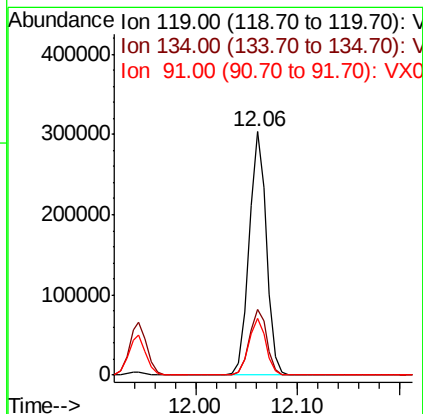
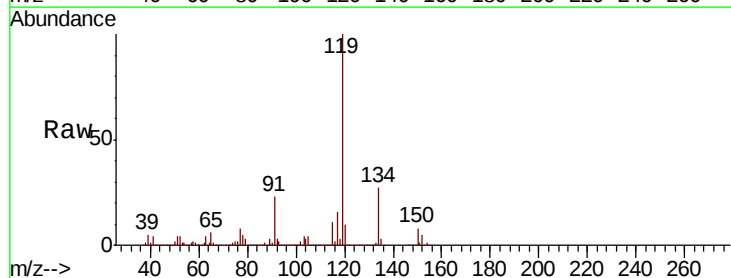
Tgt Ion:119 Resp: 355895

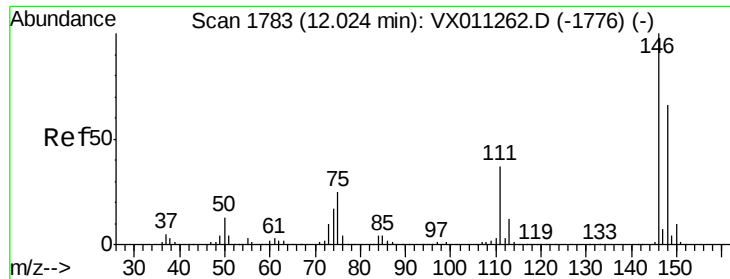
Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.0

91 23.2 11.4 34.2





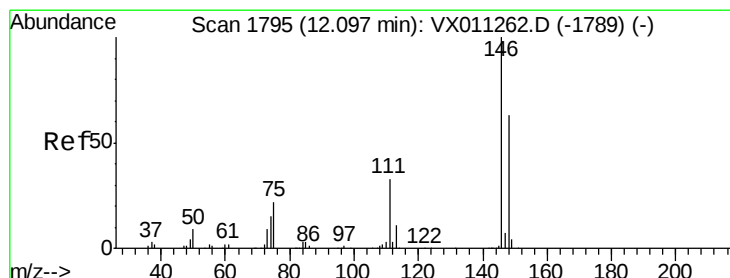
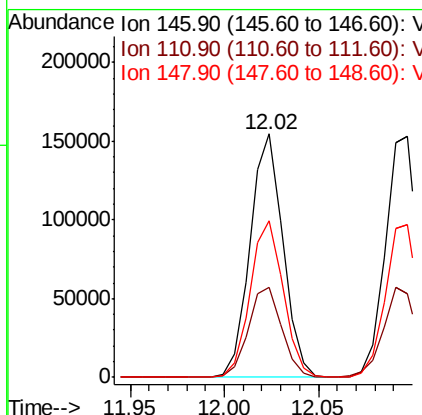
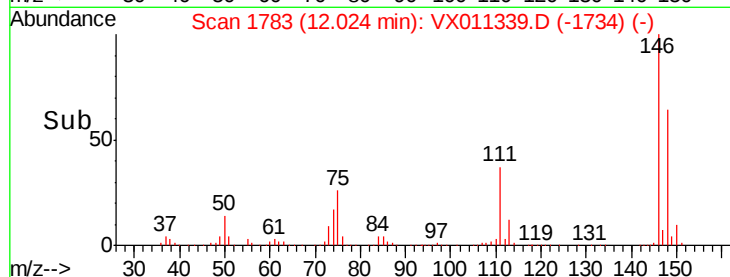
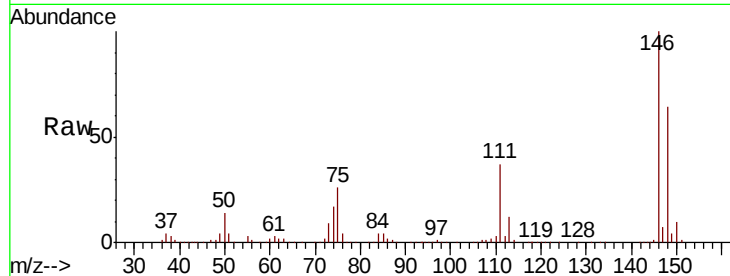
#87
 1,3-Dichlorobenzene
 Concen: 46.174 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.5	32.5	97.5

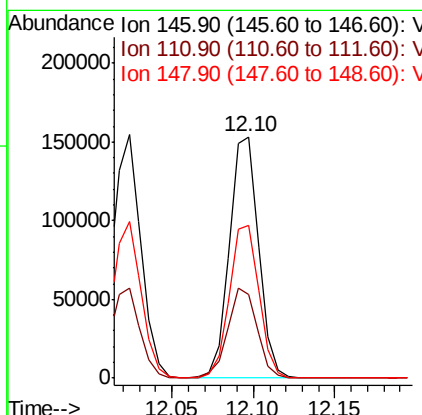
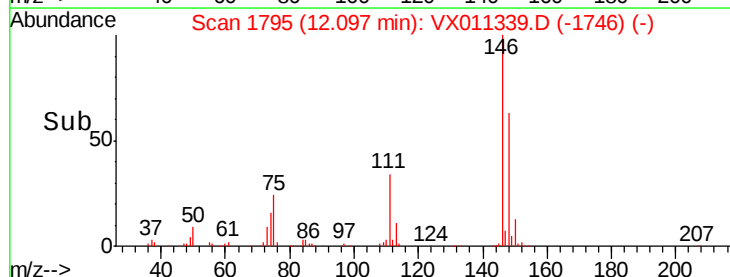
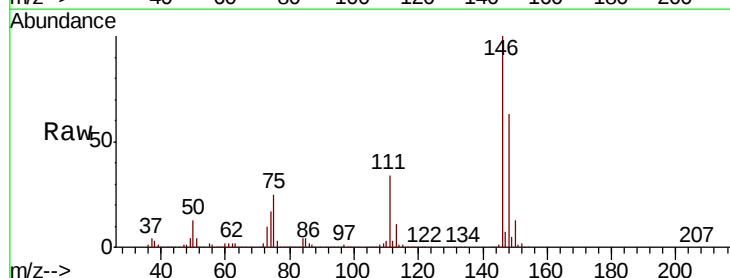
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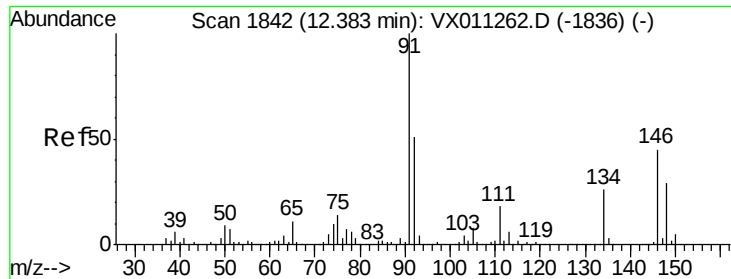
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#88
 1,4-Dichlorobenzene
 Concen: 45.399 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	17.8	53.4
148	64.5	31.8	95.3





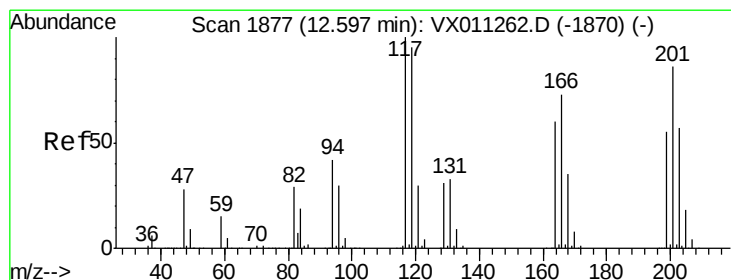
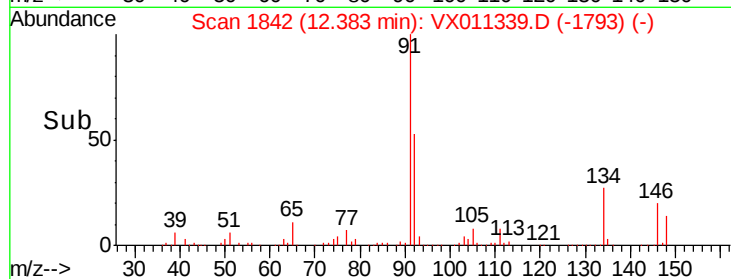
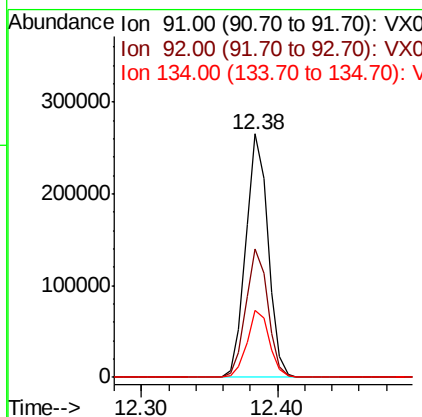
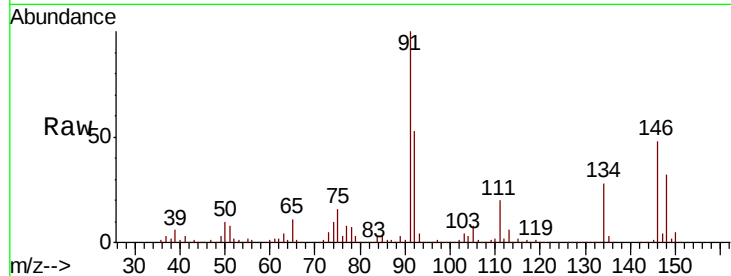
#89
n-Butylbenzene
Concen: 46.942 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.8	77.3
134	27.8	13.7	41.0

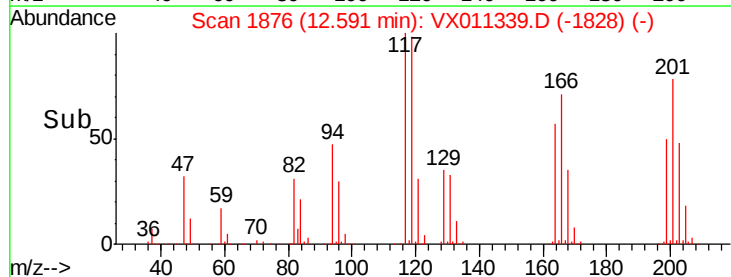
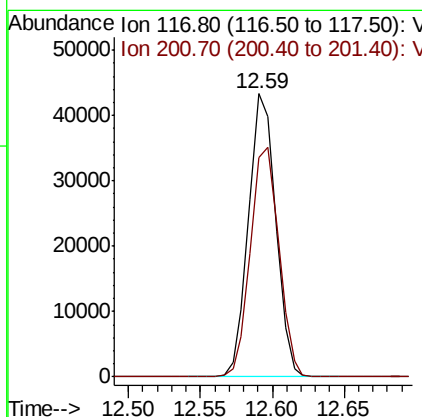
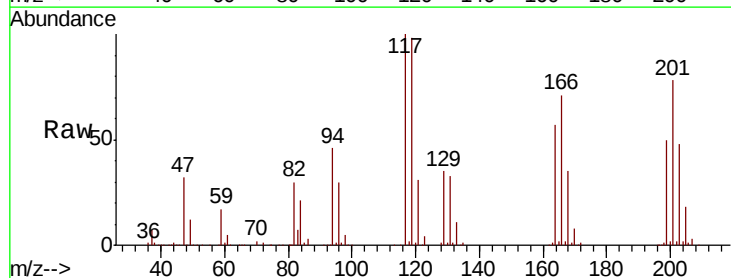
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#90
Hexachloroethane
Concen: 50.887 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	41.8	125.4





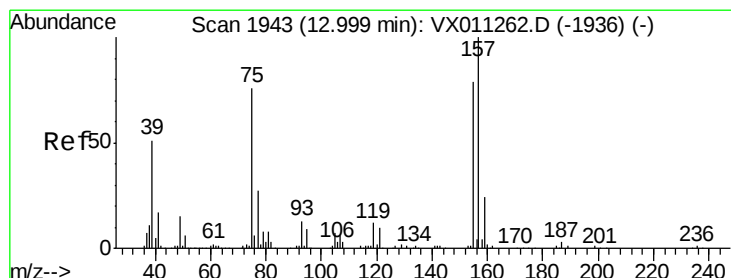
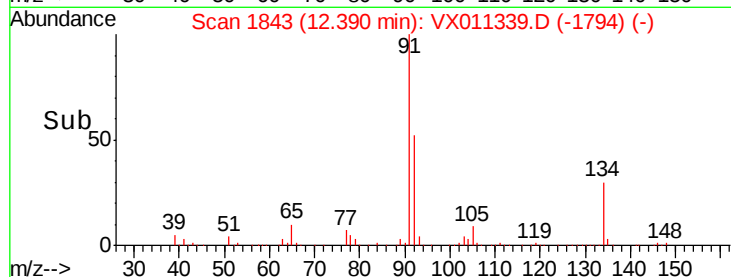
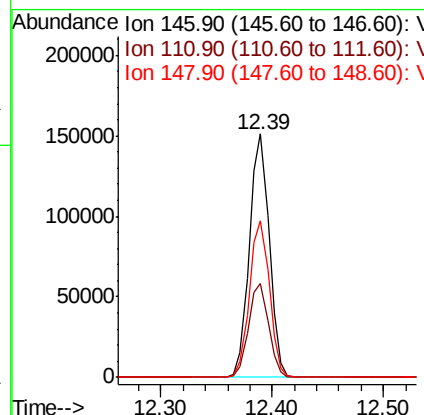
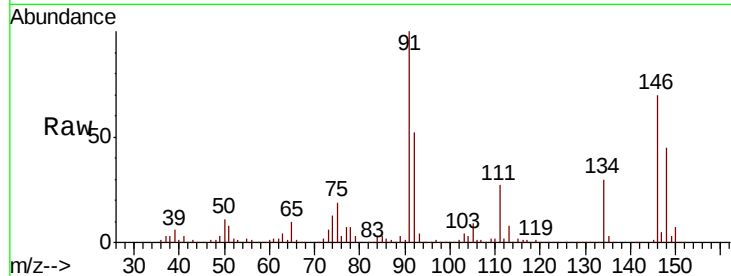
#91
 1,2-Dichlorobenzene
 Concen: 46.025 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.1
148	64.7	32.3	96.8

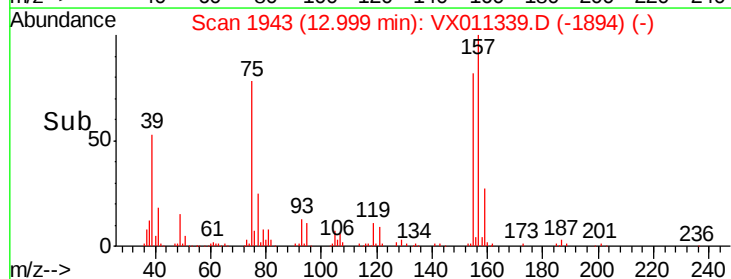
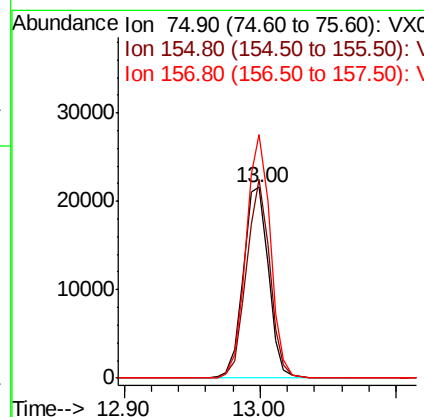
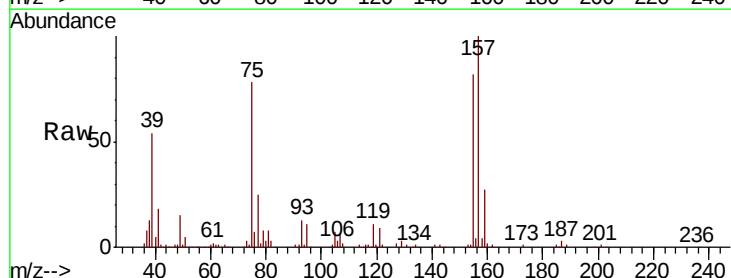
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.327 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	51.9	155.8
157	122.3	64.3	192.7





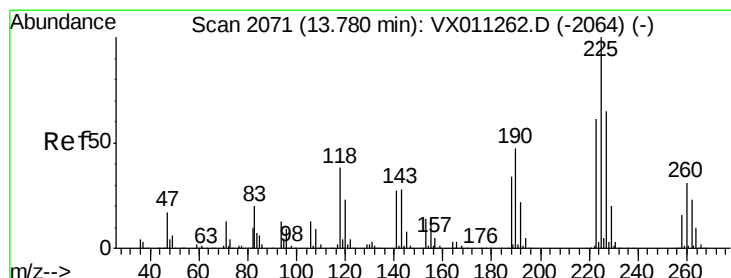
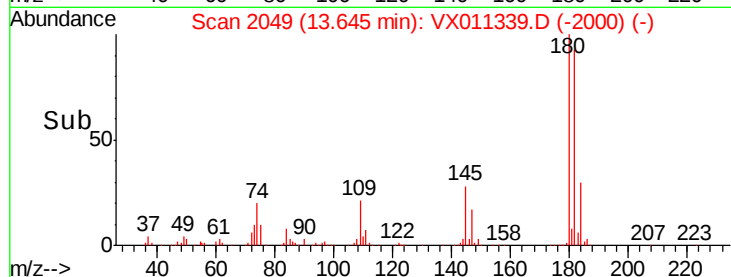
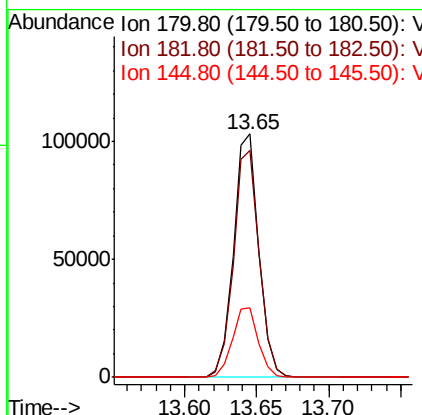
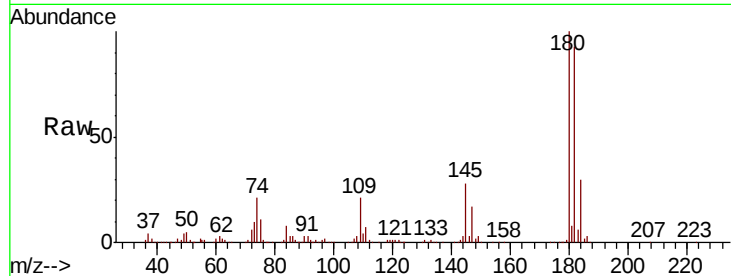
#93
 1,2,4-Trichlorobenzene
 Concen: 46.716 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	126169		
182	95.0	47.8	143.4	
145	29.5	14.8	44.3	

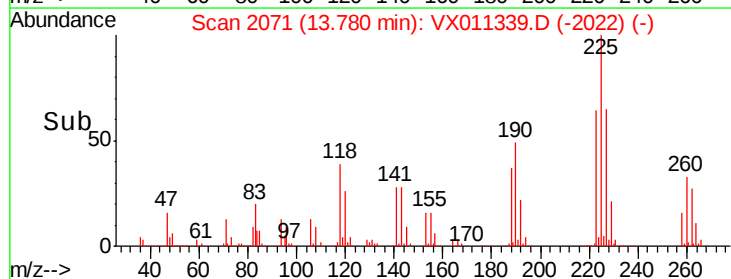
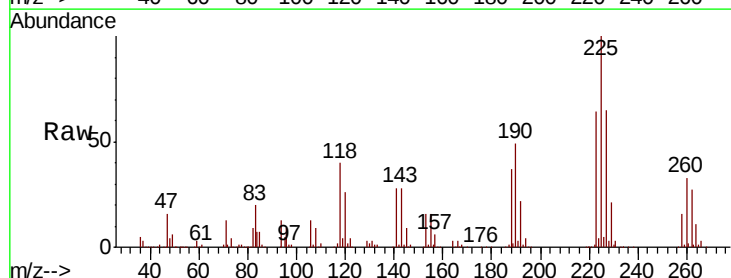
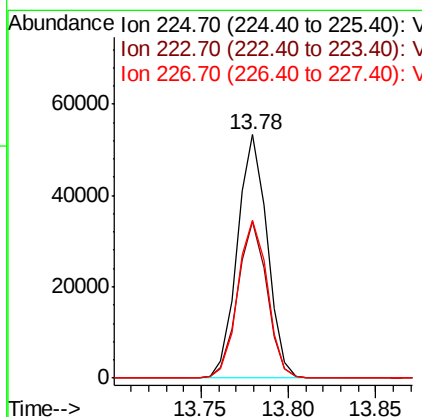
Manual Integrations
 APPROVED

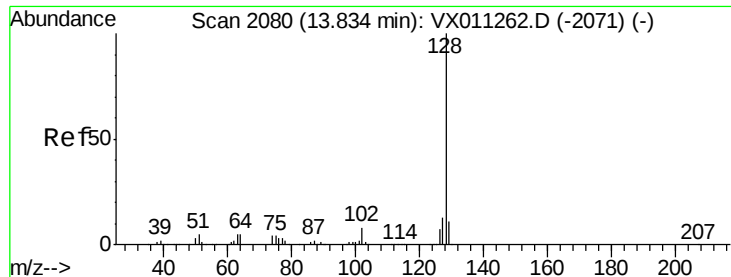
MMDadoda
 8/6/2019 4:48:47 PM



#94
 Hexachlorobutadiene
 Concen: 46.049 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011339.D
 Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63099		
223	63.4	31.0	93.0	
227	64.9	32.2	96.6	





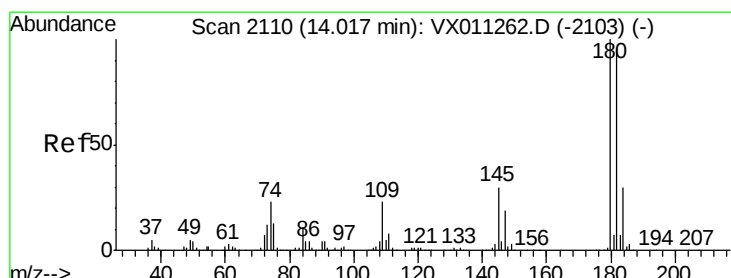
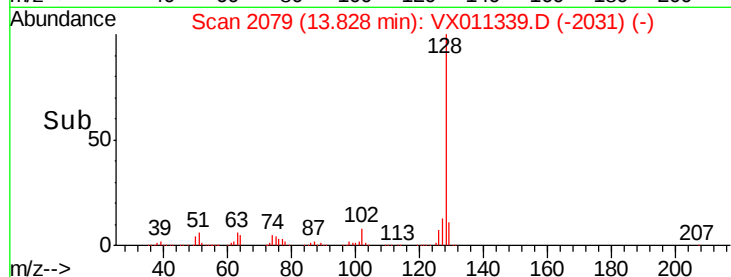
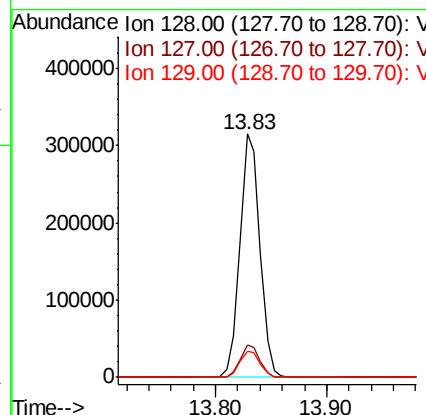
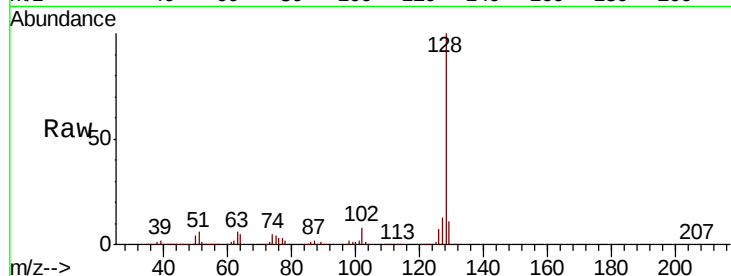
#95
Naphthalene
Concen: 49.392 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.699 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011339.D
Acq: 05 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.4	142.3
145	31.3	15.2	45.6

