

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071819\
 Data File : VX010947.D
 Acq On : 18 Jul 2019 10:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 12:03:20 PM

Quant Time: Jul 18 14:14:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 12:41:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	222830	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	323140	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	301945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161906	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	113682	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
35) Dibromofluoromethane	5.49	113	106875	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
50) Toluene-d8	8.71	98	398936	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
62) 4-Bromofluorobenzene	11.13	95	150222	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	117003	49.250	ug/l	99
3) Chloromethane	1.32	50	102643	50.091	ug/l	98
4) Vinyl Chloride	1.41	62	107613	51.487	ug/l	99
5) Bromomethane	1.64	94	55295	46.947	ug/l	98
6) Chloroethane	1.71	64	64133	48.284	ug/l	98
7) Trichlorofluoromethane	1.93	101	179937	50.858	ug/l	97
8) Diethyl Ether	2.19	74	59249	48.604	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	102483	50.731	ug/l	99
10) Methyl Iodide	2.51	142	126920	47.877	ug/l	97
11) Tert butyl alcohol	3.04	59	116957	211.846	ug/l	98
12) 1,1-Dichloroethene	2.37	96	98749	49.752	ug/l	97
13) Acrolein	2.29	56	69480	217.823	ug/l	100
14) Allyl chloride	2.73	41	142939	49.580	ug/l	97
15) Acrylonitrile	3.14	53	261066	234.016	ug/l	98
16) Acetone	2.44	43	275540	257.354	ug/l	96
17) Carbon Disulfide	2.57	76	250025	49.108	ug/l	100
18) Methyl Acetate	2.77	43	110835	45.463	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	310472	48.591	ug/l	98
20) Methylene Chloride	2.85	84	107310	47.295	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	101907	48.389	ug/l	95
22) Diisopropyl ether	3.85	45	296871	48.824	ug/l	91
23) Vinyl Acetate	3.81	43	1303356	252.985	ug/l	99
24) 1,1-Dichloroethane	3.70	63	169837	48.096	ug/l	100
25) 2-Butanone	4.67	43	382574	248.957	ug/l	100
26) 2,2-Dichloropropane	4.58	77	143165	49.377	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	118260	48.521	ug/l	96
28) Bromochloromethane	5.01	49	80882	48.606	ug/l	94
29) Tetrahydrofuran	5.12	42	230609	236.898	ug/l	98
30) Chloroform	5.21	83	184288	48.283	ug/l	95
31) Cyclohexane	5.57	56	162197	50.392	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	162677	49.263	ug/l	99
36) 1,1-Dichloropropene	5.79	75	136641	51.479	ug/l	97
37) Ethyl Acetate	4.83	43	135000	49.670	ug/l	99
38) Carbon Tetrachloride	5.78	117	144826	52.361	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	180498	52.438	ug/l	97
40) Benzene	6.14	78	414200	50.943	ug/l	100
41) Methacrylonitrile	5.04	41	75392	48.864	ug/l	96
42) 1,2-Dichloroethane	6.18	62	140401	49.664	ug/l	97
43) Isopropyl Acetate	6.44	43	221490	49.560	ug/l	97
44) Trichloroethene	7.21	130	120568	50.097	ug/l	97
45) 1,2-Dichloropropane	7.51	63	103250	49.893	ug/l	100
46) Dibromomethane	7.66	93	75714	51.202	ug/l	95
47) Bromodichloromethane	7.90	83	139207	52.885	ug/l	97
48) Methyl methacrylate	7.76	41	108588	49.877	ug/l	96
49) 1,4-Dioxane	7.73	88	58233	956.220	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	730585	252.184	ug/l	98
52) Toluene	8.78	92	268775	50.320	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	152796	53.985	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	167231	53.099	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	110669	50.321	ug/l	99
56) Ethyl methacrylate	9.18	69	169966	52.834	ug/l	95
57) 1,3-Dichloropropane	9.37	76	175804	50.391	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	408758	266.177	ug/l	99
59) 2-Hexanone	9.49	43	585162	260.420	ug/l	97
60) Dibromochloromethane	9.58	129	123227	48.752	ug/l	99
61) 1,2-Dibromoethane	9.67	107	121064	51.870	ug/l	99
64) Tetrachloroethene	9.34	164	121571	51.180	ug/l	97
65) Chlorobenzene	10.13	112	306309	49.391	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	112310	51.527	ug/l	99
67) Ethyl Benzene	10.25	91	538371	51.001	ug/l	100
68) m/p-Xylenes	10.36	106	416799	102.933	ug/l	98
69) o-Xylene	10.69	106	199395	50.456	ug/l	97
70) Styrene	10.71	104	343243	52.104	ug/l	97
71) Bromoform	10.85	173	92349	46.710	ug/l #	99
73) Isopropylbenzene	11.02	105	547021	50.002	ug/l	98
74) N-amyl acetate	10.90	43	205829	49.241	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	172158	48.087	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	145455m	48.452	ug/l	
77) Bromobenzene	11.25	156	147232	48.791	ug/l	96
78) n-propylbenzene	11.36	91	621446	51.411	ug/l	98
79) 2-Chlorotoluene	11.42	91	360517	49.648	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	464385	50.800	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52043	45.517	ug/l	89
82) 4-Chlorotoluene	11.51	91	424905	50.276	ug/l	99
83) tert-Butylbenzene	11.77	119	450289	50.148	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	471693	51.195	ug/l	99
85) sec-Butylbenzene	11.94	105	541697	51.486	ug/l	99
86) p-Isopropyltoluene	12.06	119	508689	52.297	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	266475	50.885	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	263749	49.081	ug/l	99
89) n-Butylbenzene	12.38	91	444774	53.448	ug/l	99
90) Hexachloroethane	12.60	117	80982	52.785	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	258229	49.754	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36070	48.198	ug/l	89

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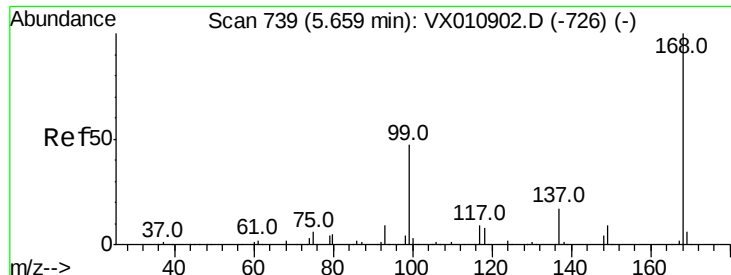
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	181905	51.716	ug/l	99
94) Hexachlorobutadiene	13.78	225	90525	51.935	ug/l	99
95) Naphthalene	13.83	128	529788	51.007	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	181967	51.994	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 222830

Ion Ratio Lower Upper

168 100

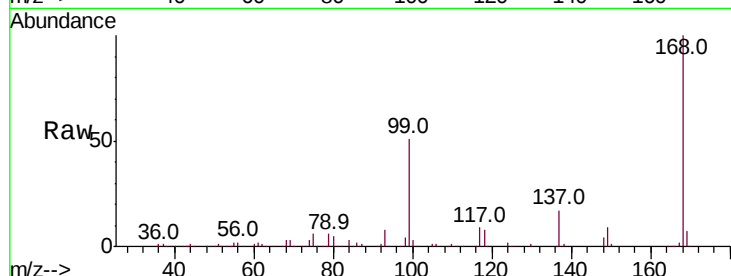
99 51.1 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

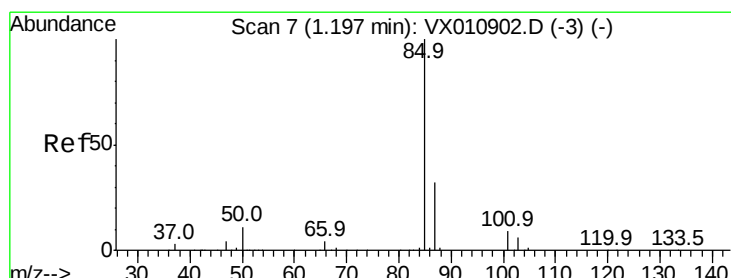
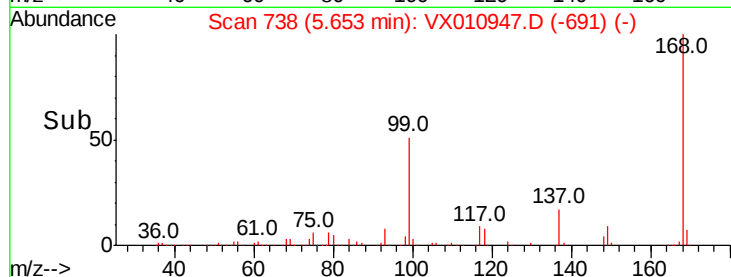
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.250 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010947.D

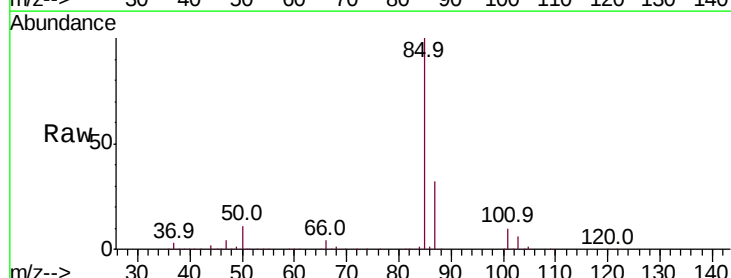
Acq: 18 Jul 2019 10:27

Tgt Ion: 85 Resp: 117003

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

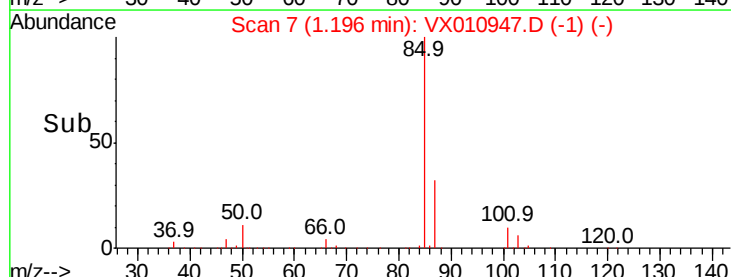
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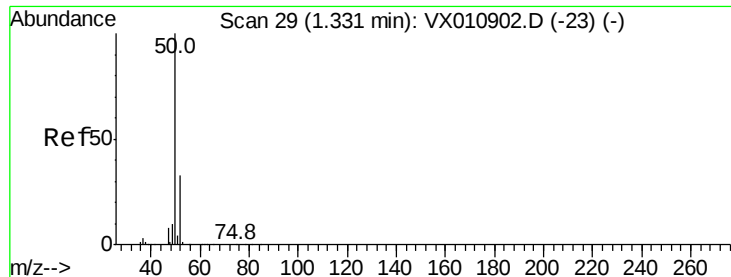
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 50.091 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 102643

Ion Ratio Lower Upper

50 100

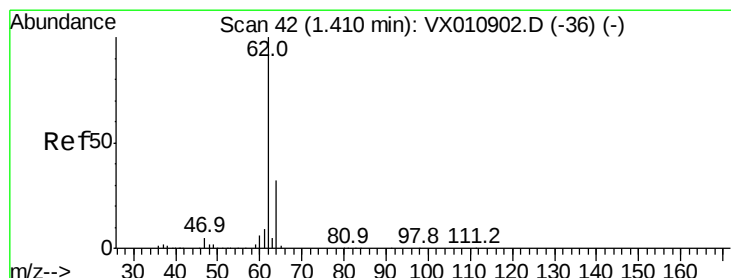
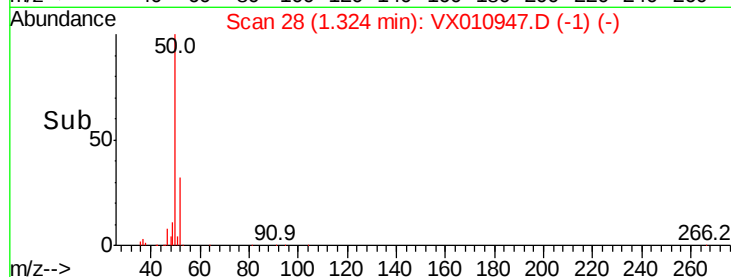
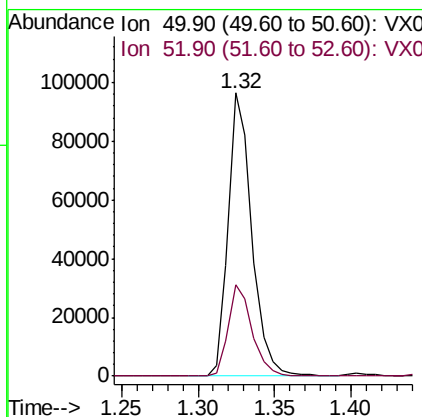
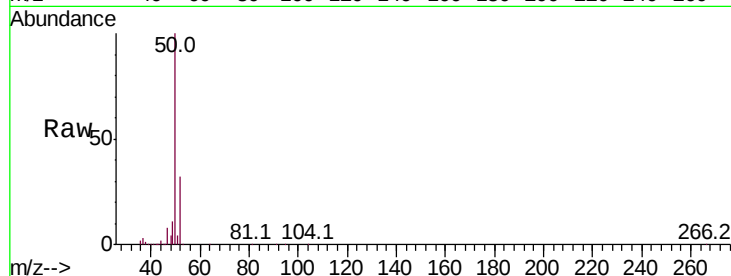
52 32.1 26.5 39.7

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#4

Vinyl Chloride

Concen: 51.487 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010947.D

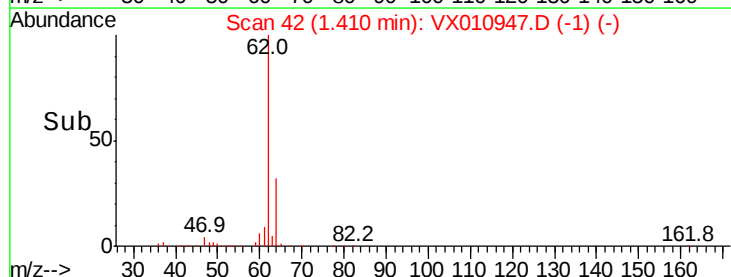
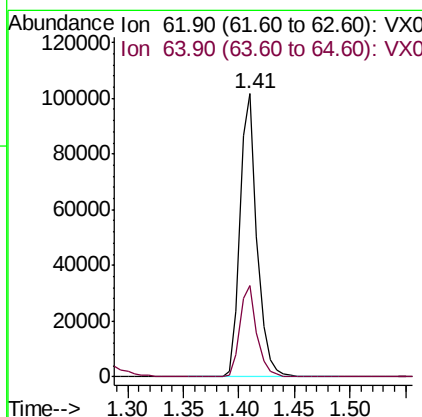
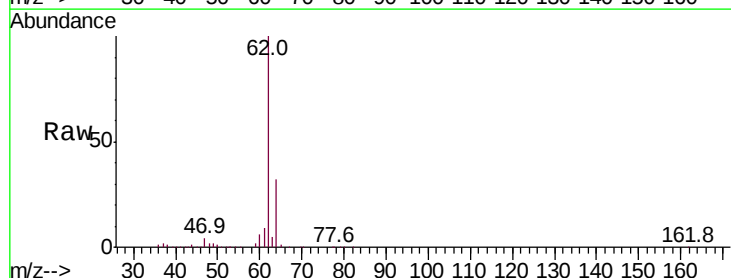
Acq: 18 Jul 2019 10:27

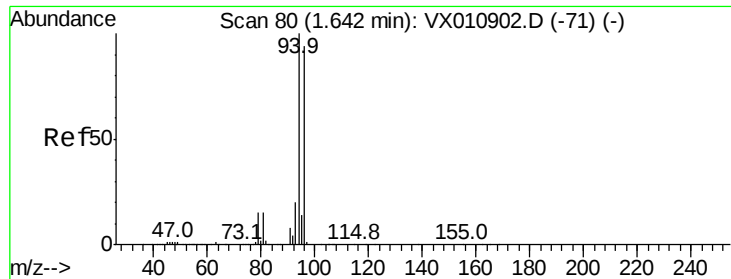
Tgt Ion: 62 Resp: 107613

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.4





#5

Bromomethane

Concen: 46.947 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 55295

Ion Ratio Lower Upper

94 100

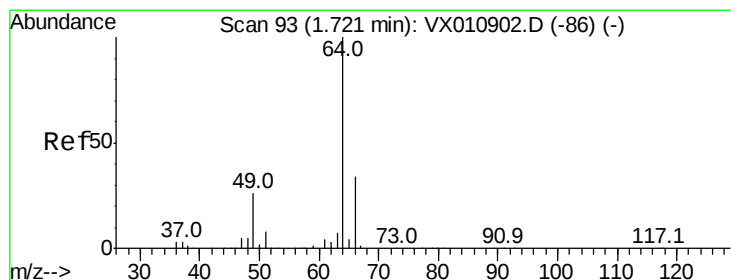
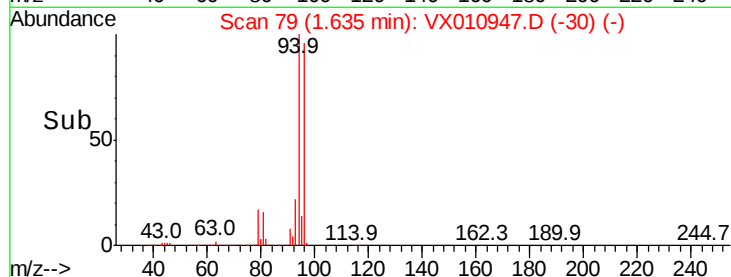
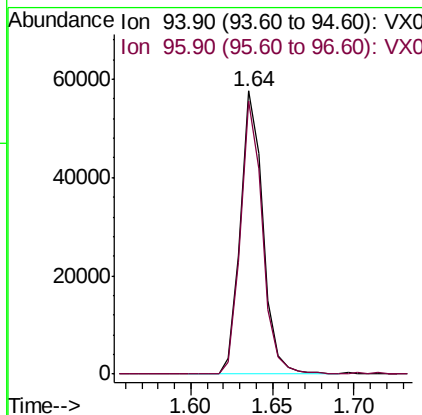
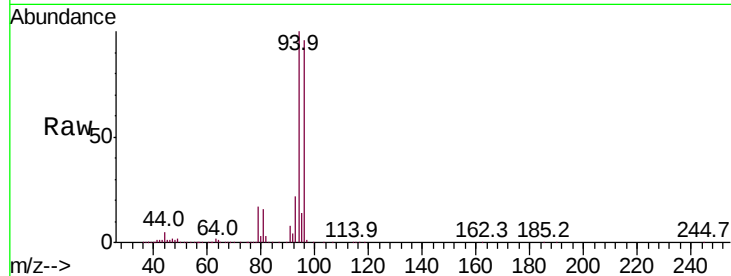
96 96.4 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 48.284 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010947.D

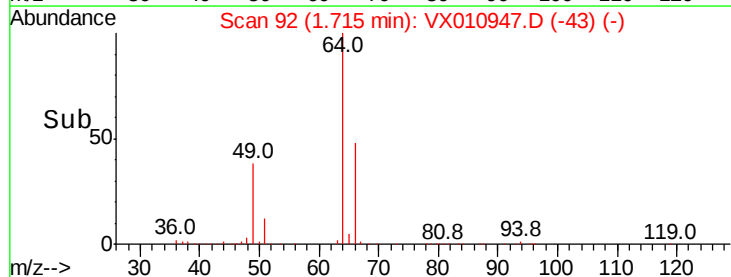
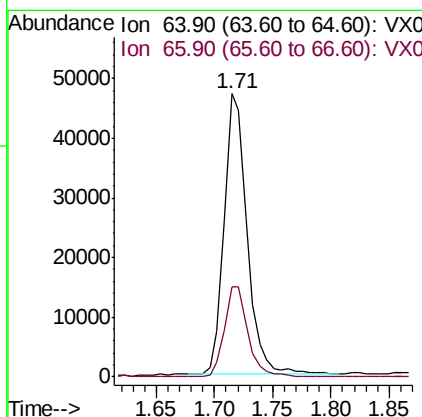
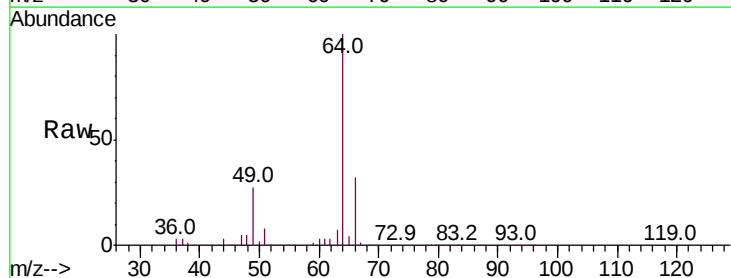
Acq: 18 Jul 2019 10:27

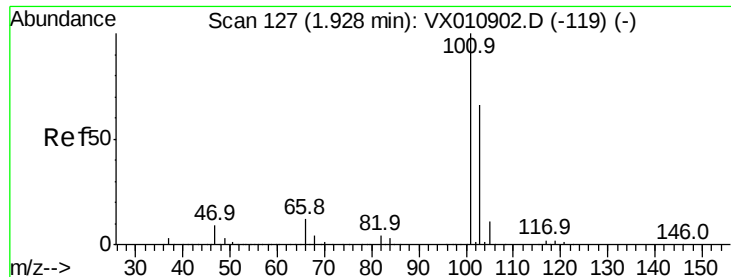
Tgt Ion: 64 Resp: 64133

Ion Ratio Lower Upper

64 100

66 32.0 26.6 40.0





#7

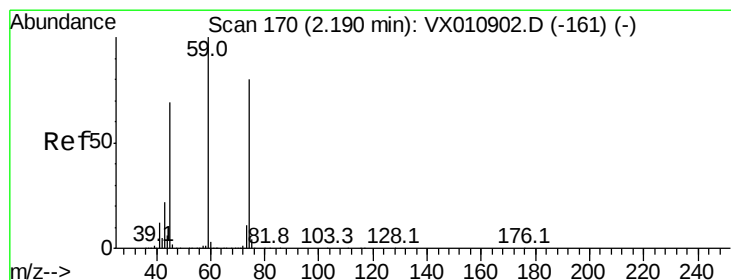
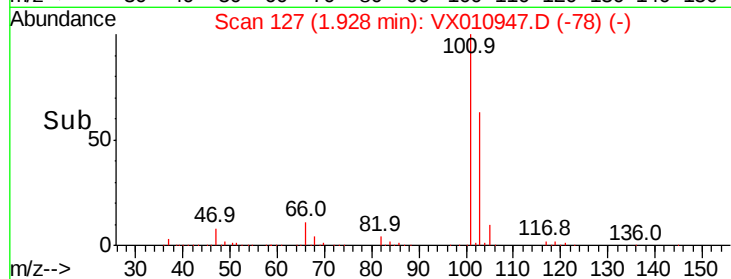
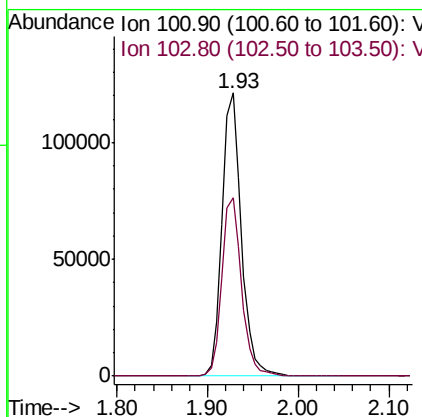
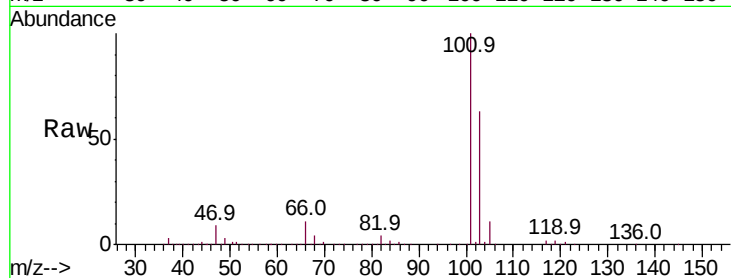
Trichlorofluoromethane
Concen: 50.858 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.3	78.5

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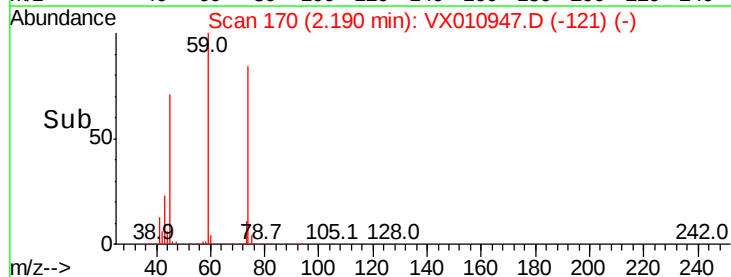
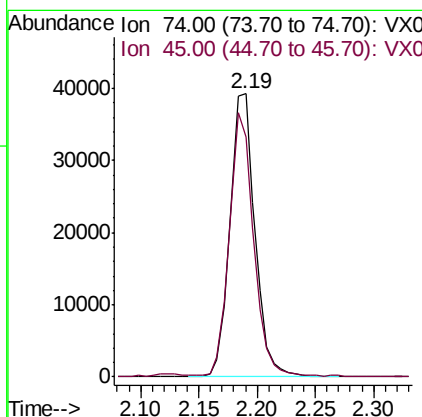
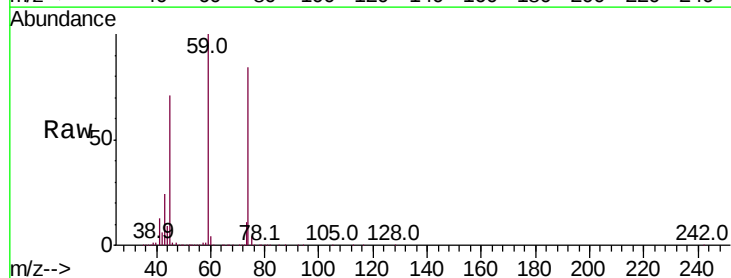
MMDadoda
7/22/2019 12:03:20 PM

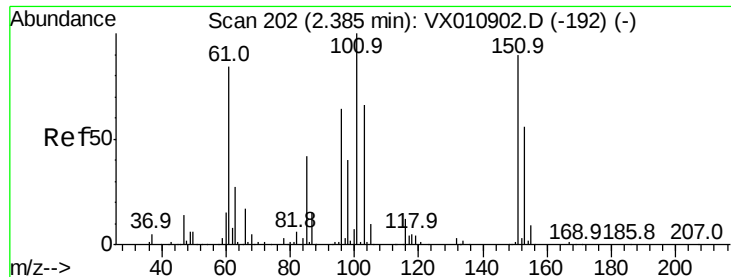


#8

Diethyl Ether
Concen: 48.604 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.4	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.731 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

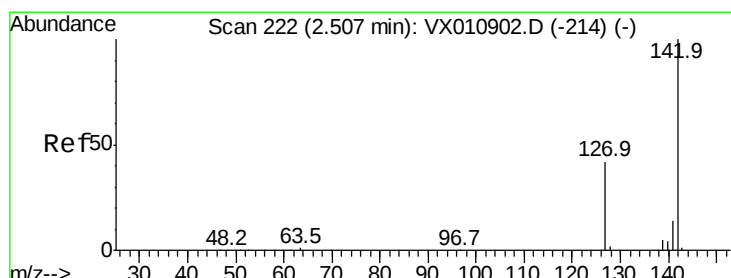
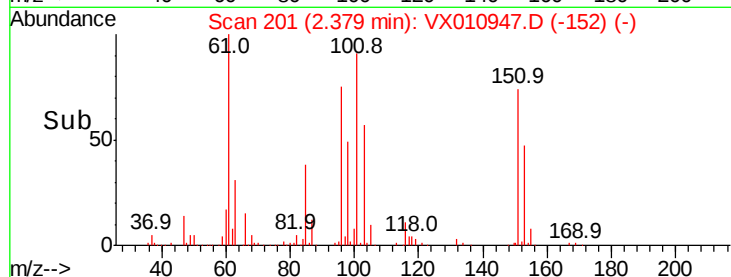
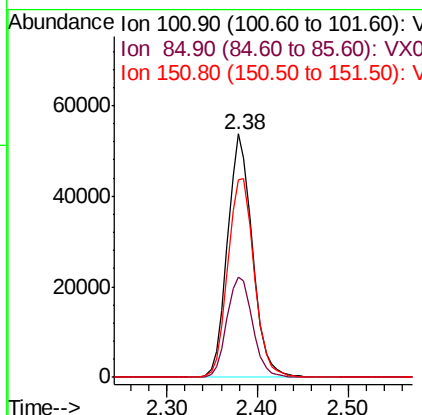
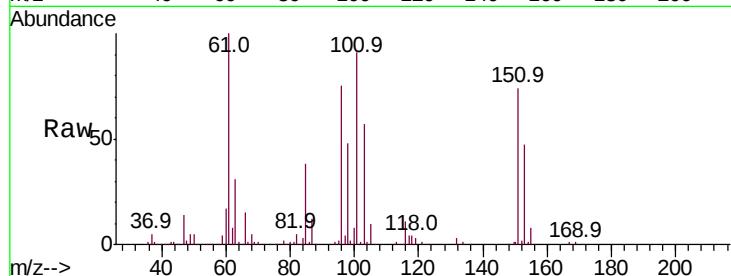
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	102483
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.7	50.5
151	86.5	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 47.877 ug/l

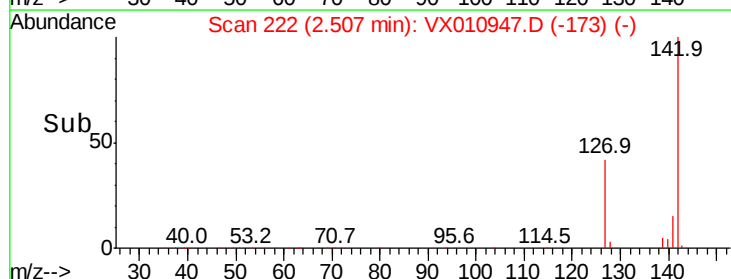
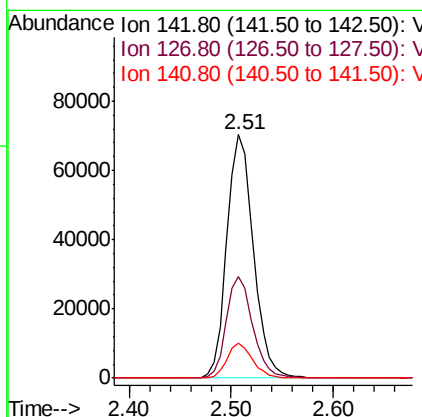
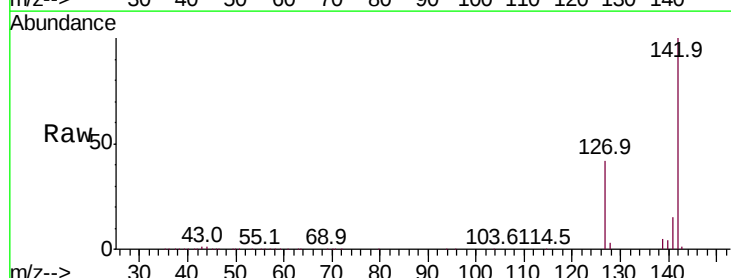
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Tgt Ion:	142	Resp:	126920
Ion Ratio	Lower	Upper	
142	100		
127	41.7	31.1	46.7
141	13.9	11.2	16.8





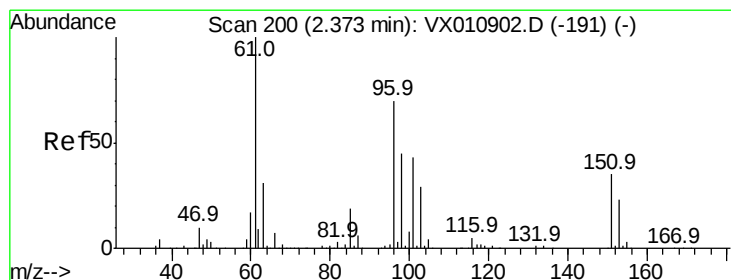
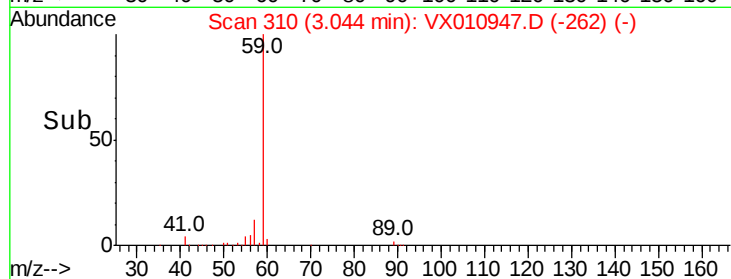
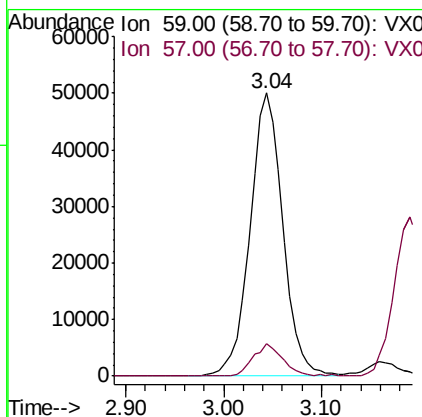
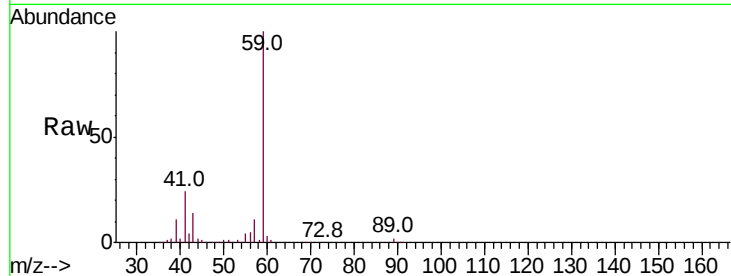
#11
Tert butyl alcohol
Concen: 211.846 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 116957
Ion Ratio Lower Upper
59 100
57 10.4 7.7 11.5

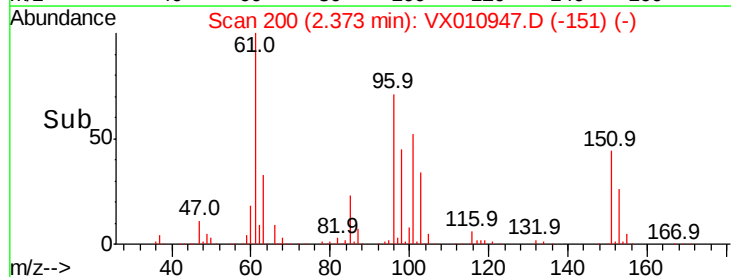
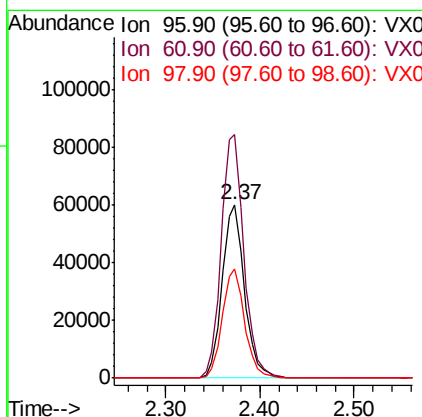
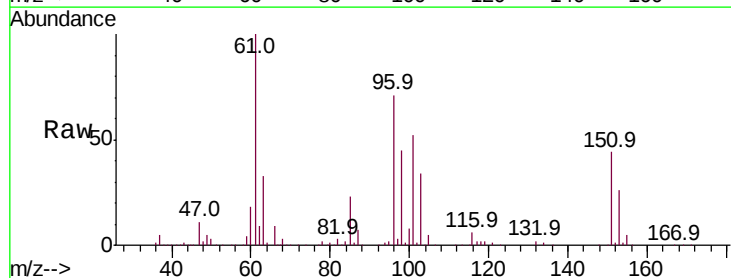
Manual Integrations
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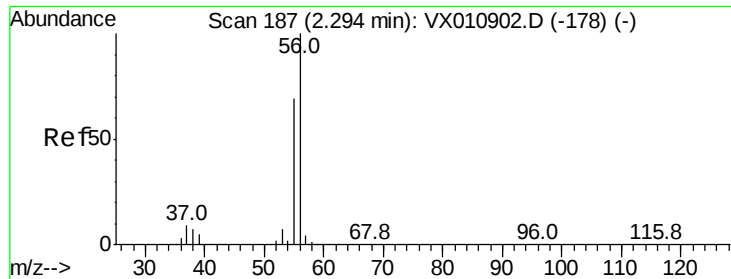
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.752 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion: 96 Resp: 98749
Ion Ratio Lower Upper
96 100
61 140.4 109.2 163.8
98 63.0 51.1 76.7





#13

Acrolein

Concen: 217.823 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 69480

Ion Ratio Lower Upper

56 100

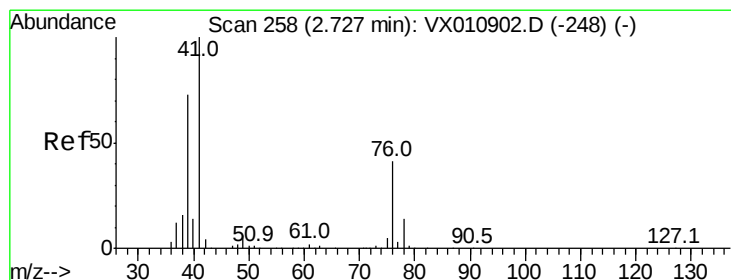
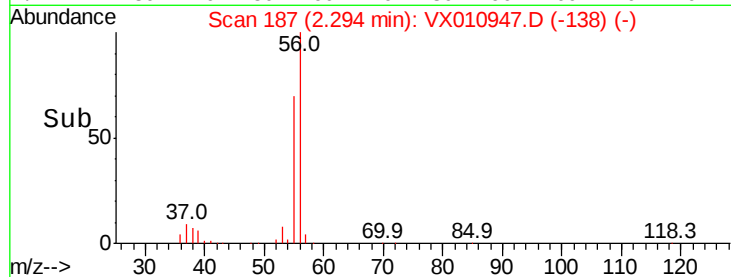
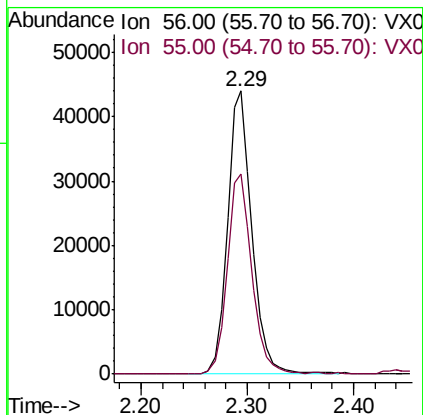
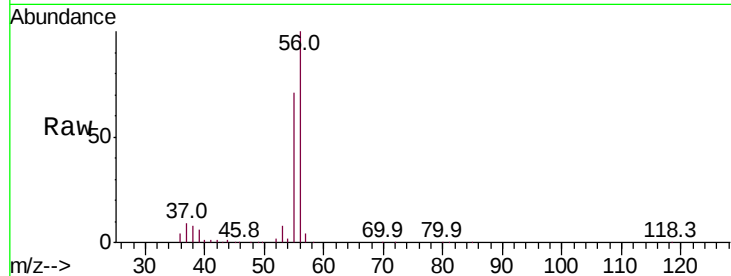
55 71.3 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 49.580 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

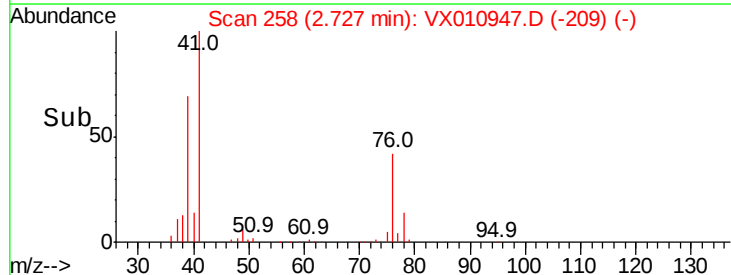
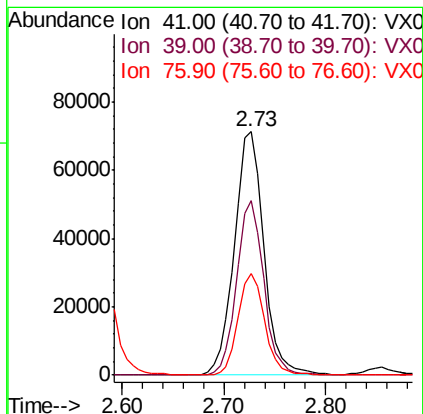
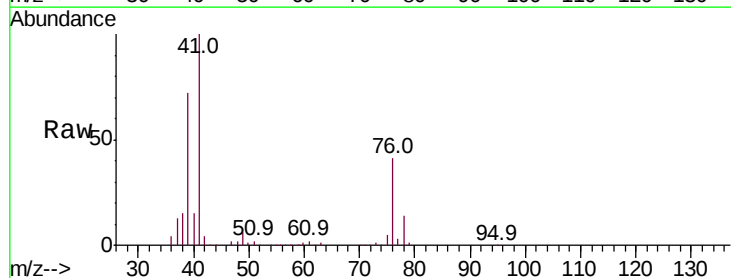
Tgt Ion: 41 Resp: 142939

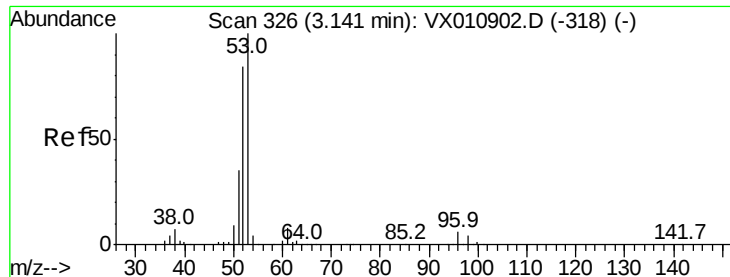
Ion Ratio Lower Upper

41 100

39 65.2 50.3 75.5

76 37.4 31.3 46.9





#15

Acrylonitrile

Concen: 234.016 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

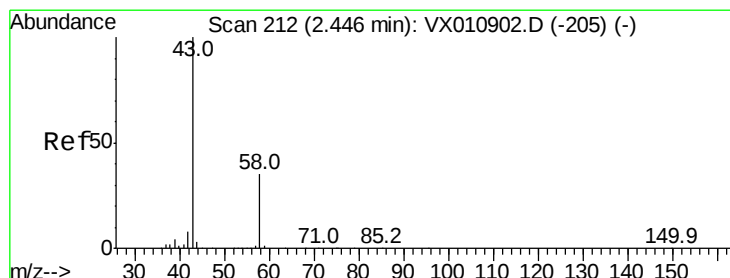
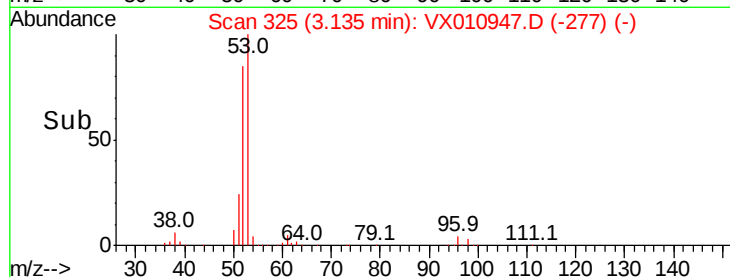
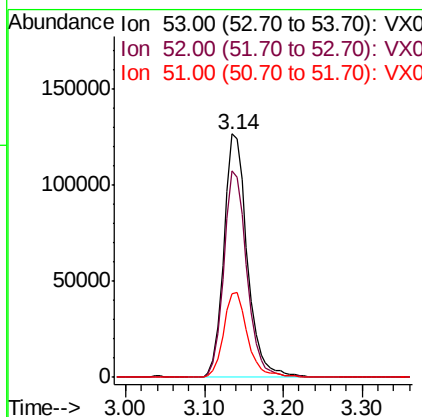
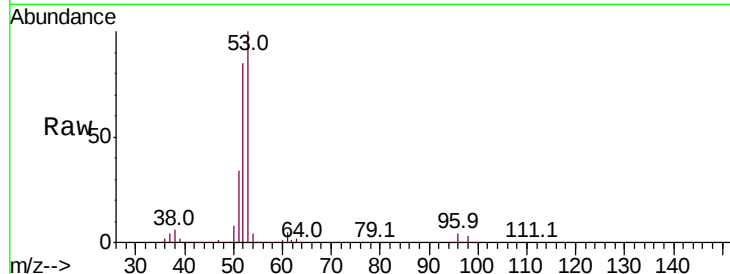
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	261066
Ion Ratio	Lower	Upper	
53	100		
52	83.8	65.5	98.3
51	35.7	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 257.354 ug/l

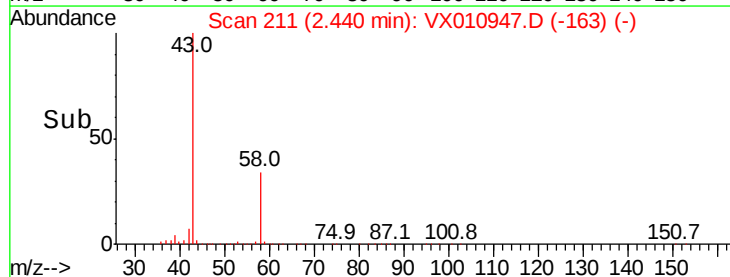
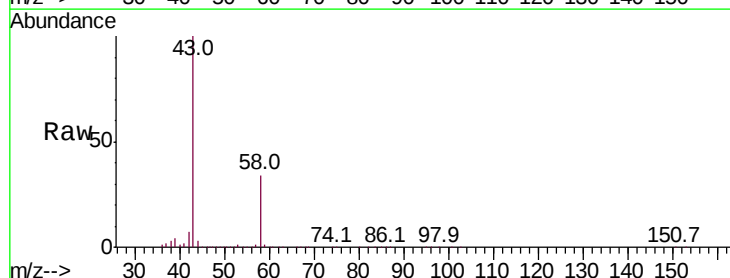
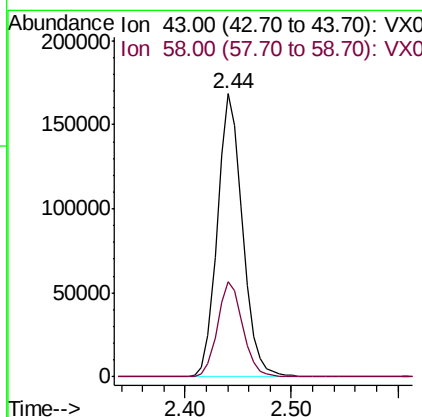
RT: 2.44 min Scan# 211

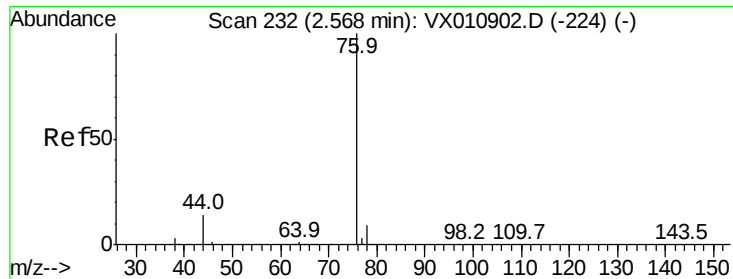
Delta R.T. -0.01 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Tgt Ion:	43	Resp:	275540
Ion Ratio	Lower	Upper	
43	100		
58	33.6	28.9	43.3





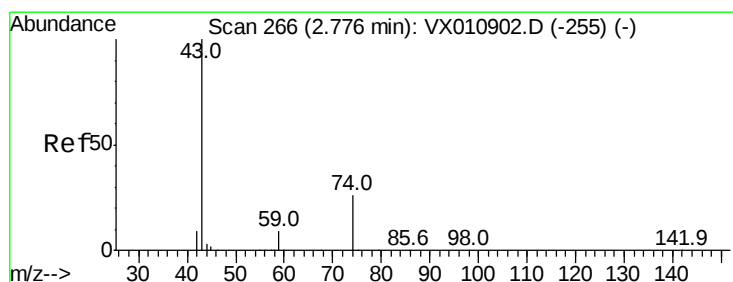
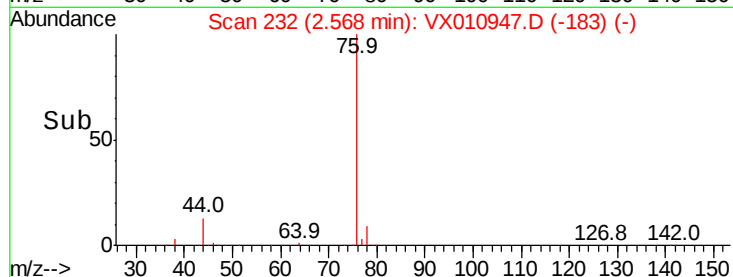
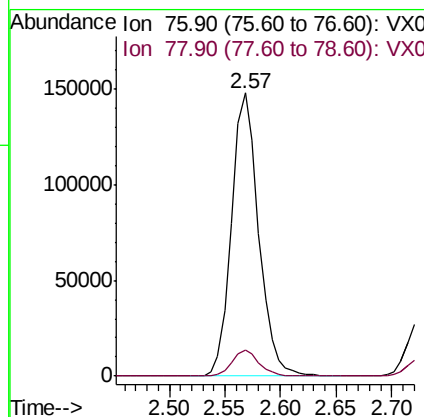
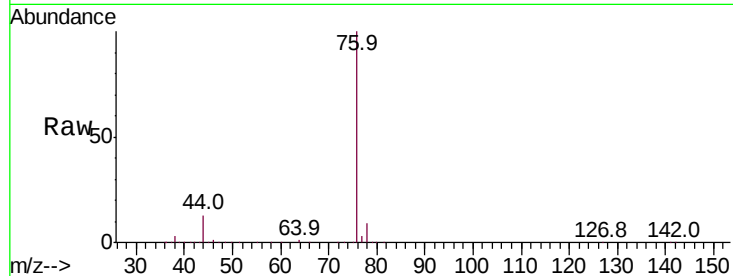
#17
Carbon Disulfide
Concen: 49.108 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

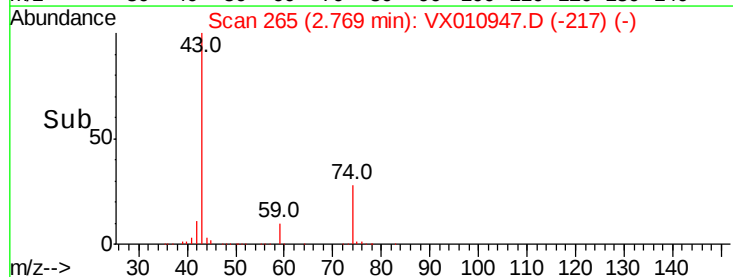
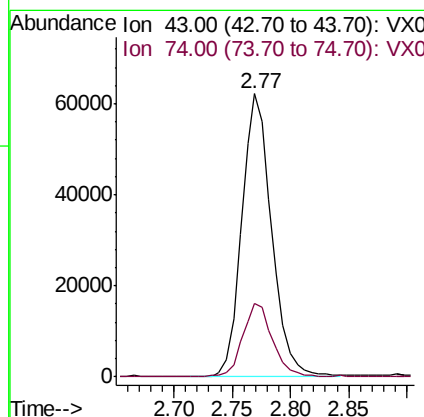
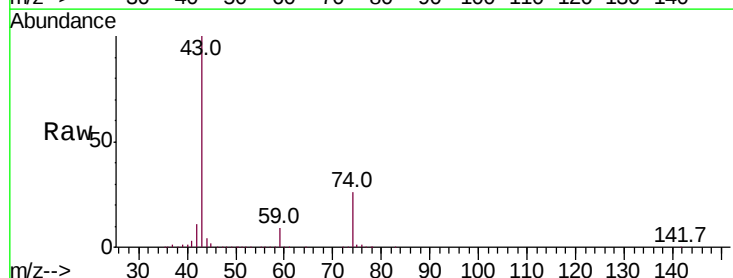
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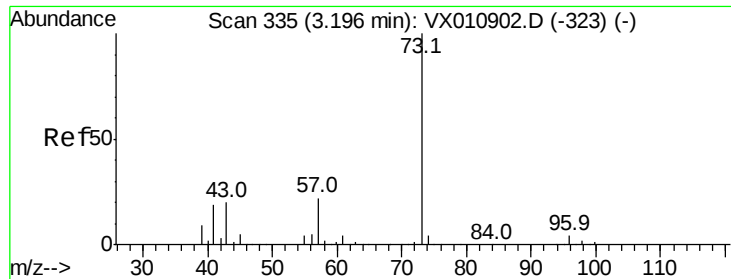
MMDadoda
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#18
Methyl Acetate
Concen: 45.463 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.6	21.3	31.9





#19

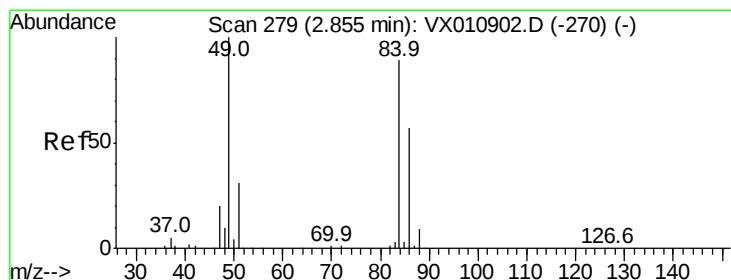
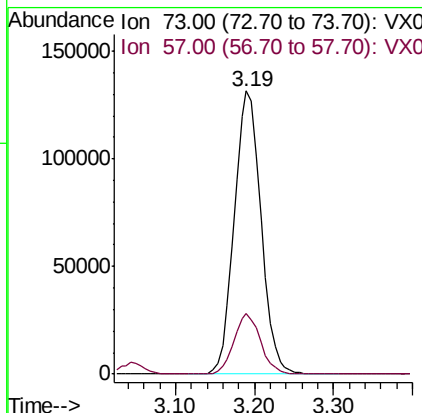
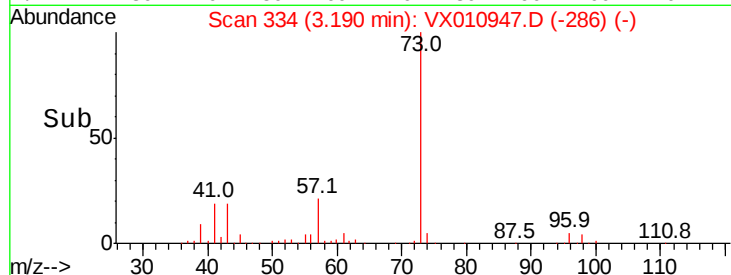
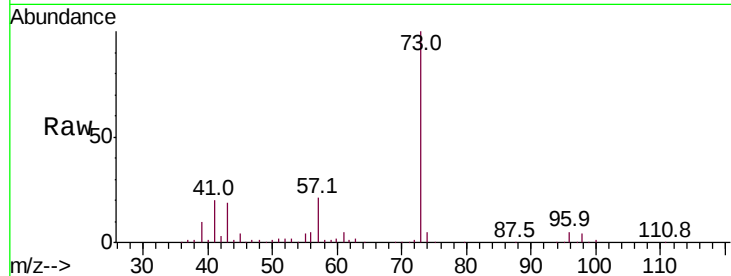
Methyl tert-butyl Ether
 Concen: 48.591 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX010947.D
 Acq: 18 Jul 2019 10:27

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	16.4	24.6

Manual Integrations
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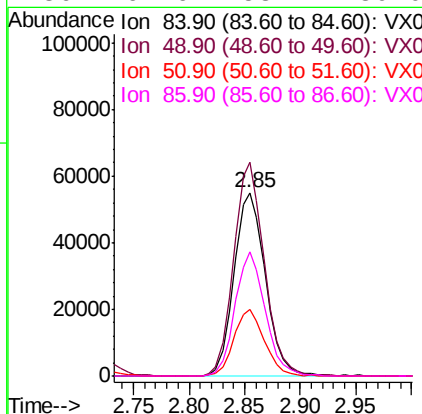
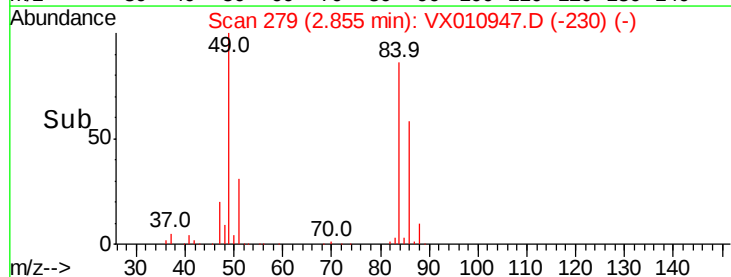
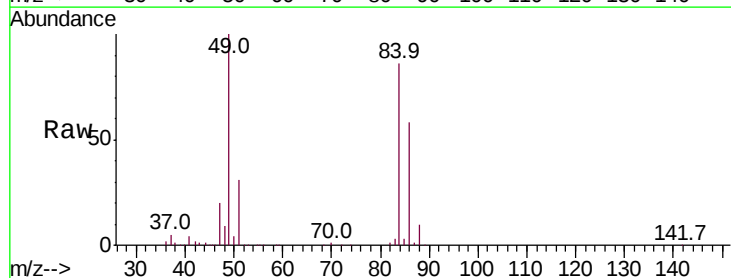
MMDadoda
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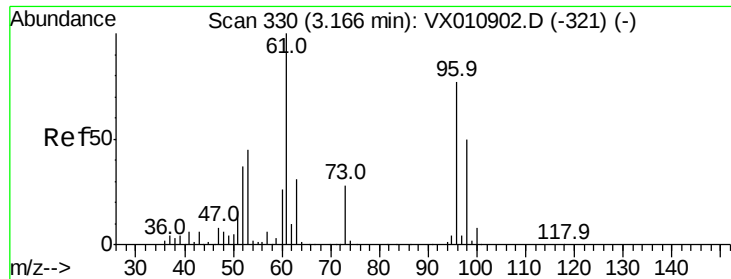


#20

Methylene Chloride
 Concen: 47.295 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX010947.D
 Acq: 18 Jul 2019 10:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.4	87.5	131.3
51	36.0	27.7	41.5
86	67.6	53.4	80.0





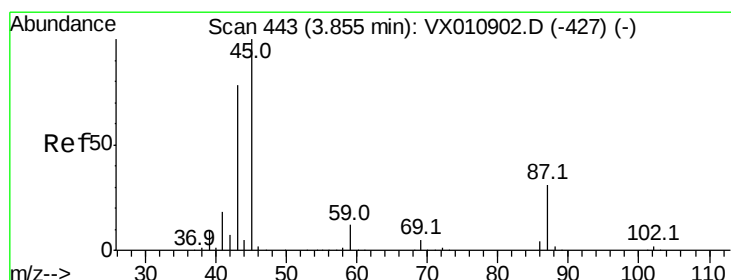
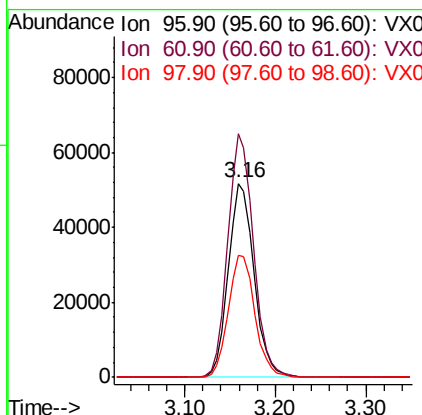
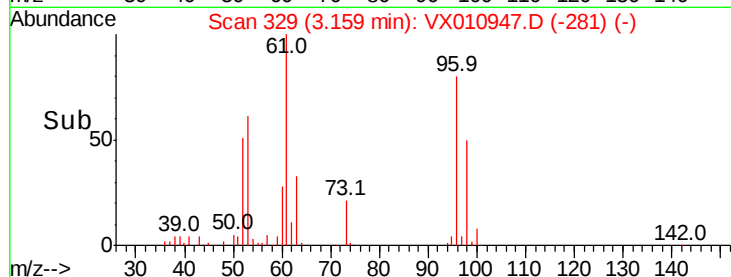
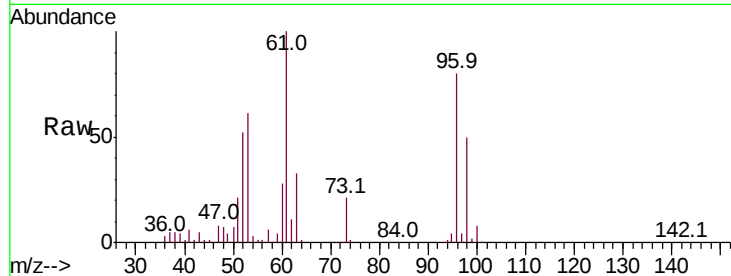
#21
trans-1,2-Dichloroethene
Concen: 48.389 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.5	95.6	143.4
98	62.9	52.5	78.7

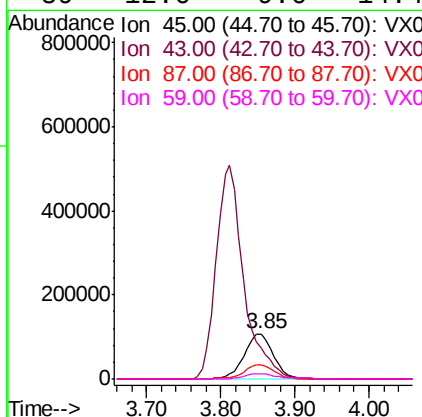
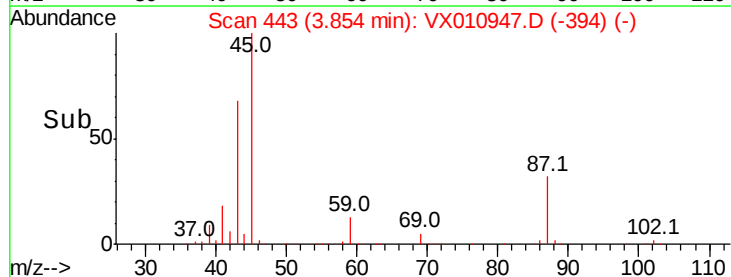
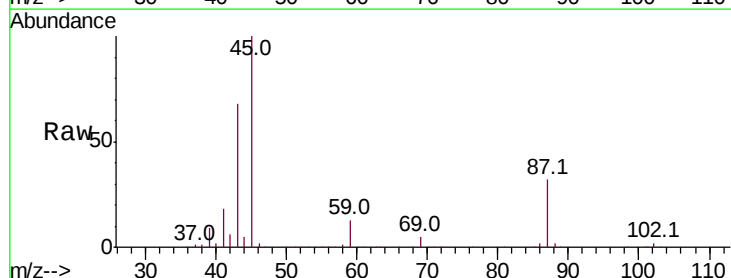
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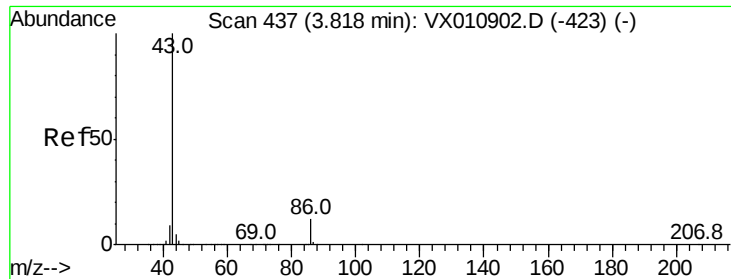
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#22
Diisopropyl ether
Concen: 48.824 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.5	63.3	94.9
87	32.1	25.8	38.8
59	12.6	9.6	14.4





#23

Vinyl Acetate

Concen: 252.985 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1303356

Ion Ratio Lower Upper

43 100

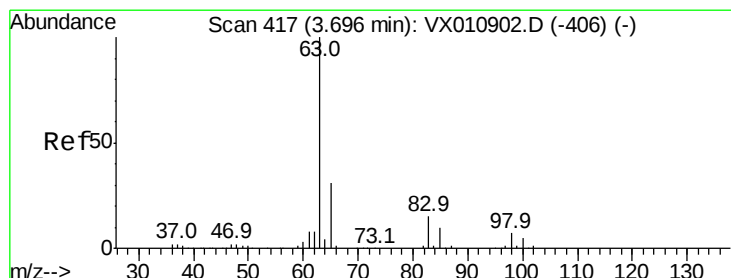
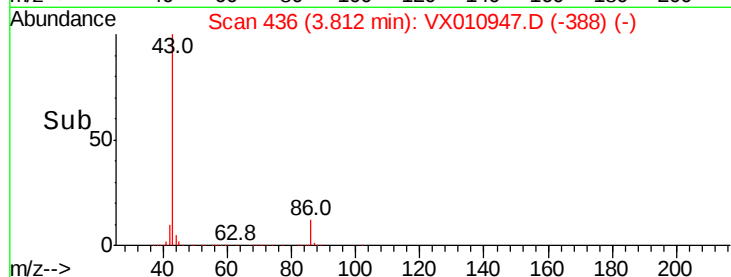
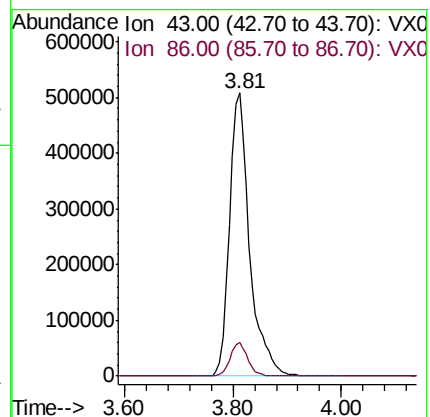
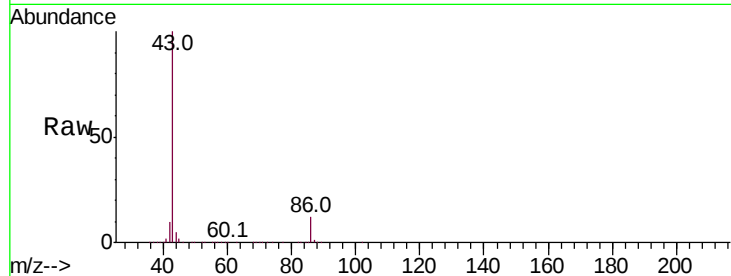
86 11.8 9.9 14.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.096 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

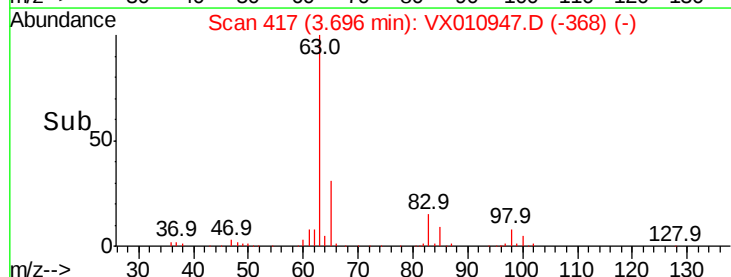
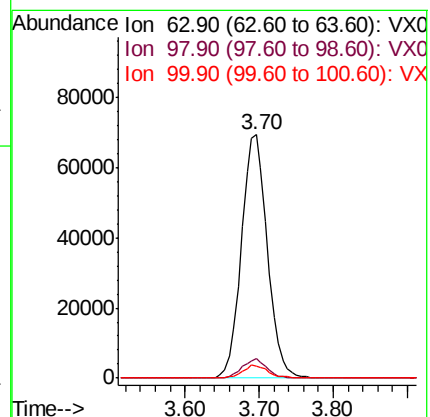
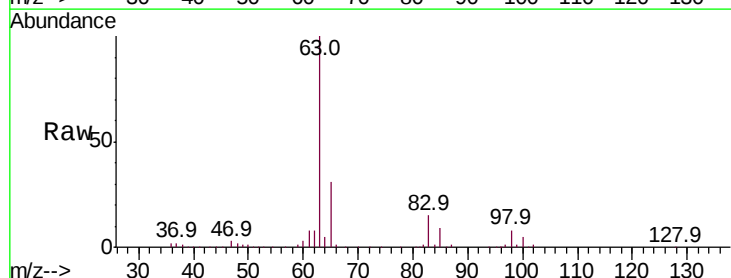
Tgt Ion: 63 Resp: 169837

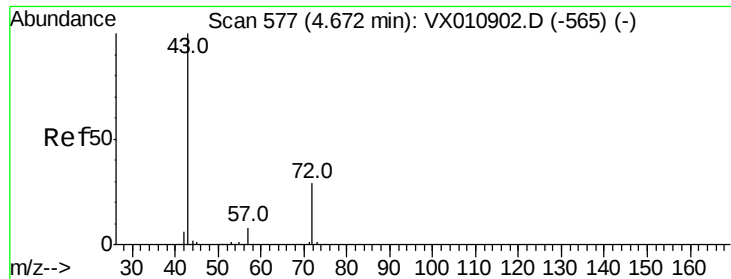
Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.7

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 248.957 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 382574

Ion Ratio Lower Upper

43 100

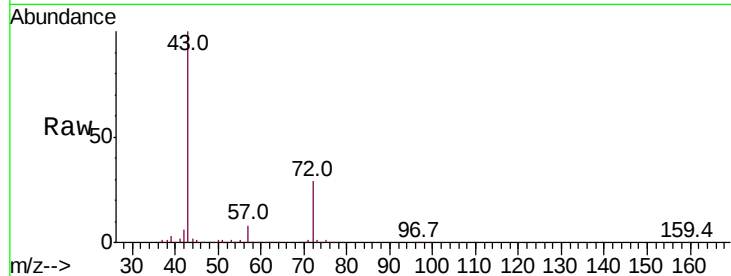
72 29.1 23.3 34.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

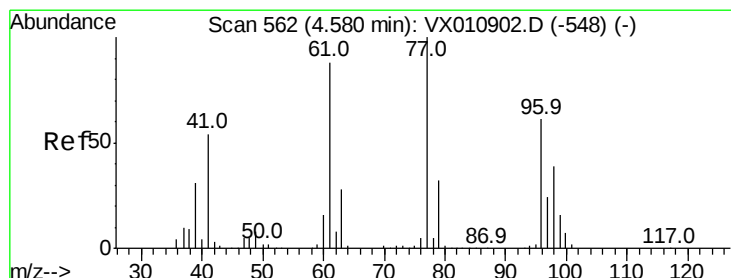
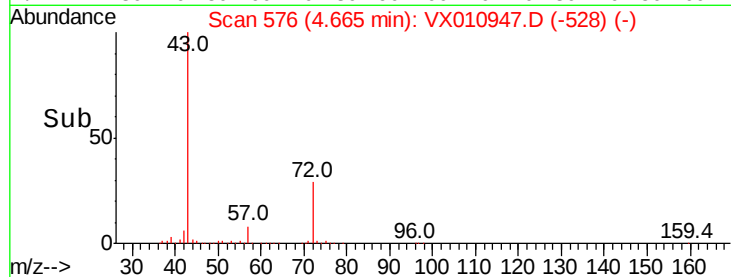
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 49.377 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010947.D

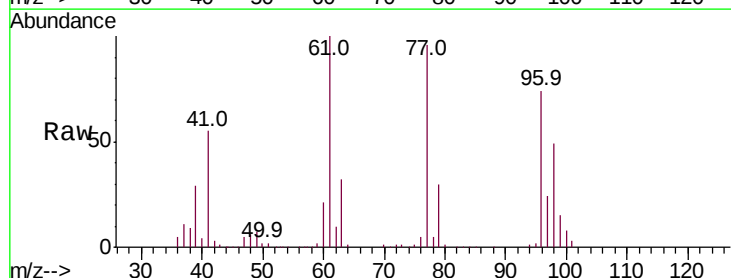
Acq: 18 Jul 2019 10:27

Tgt Ion: 77 Resp: 143165

Ion Ratio Lower Upper

77 100

97 25.6 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

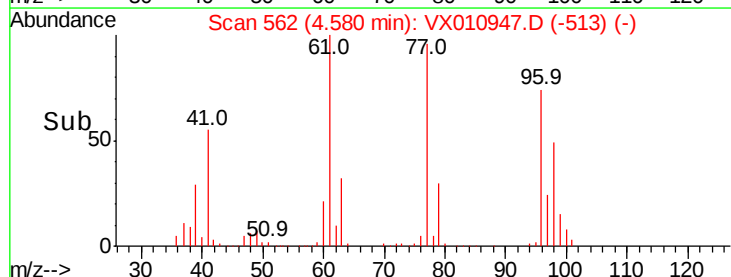
20000

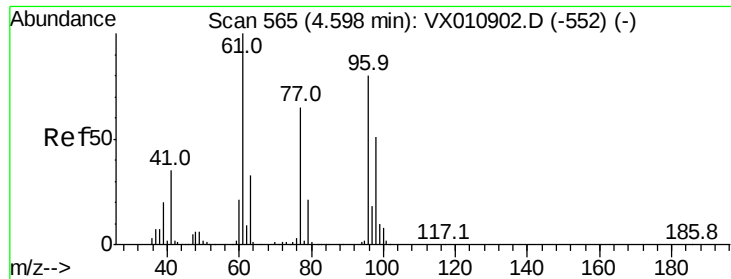
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

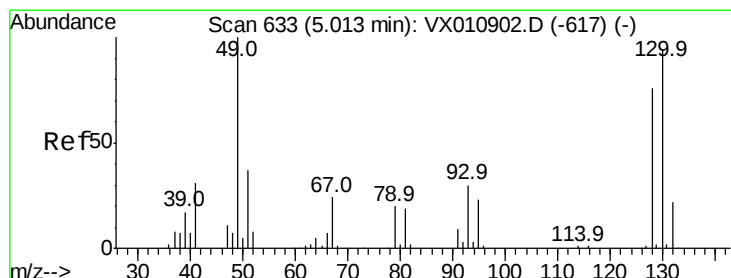
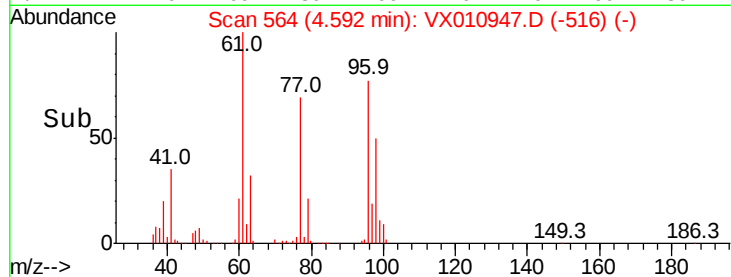
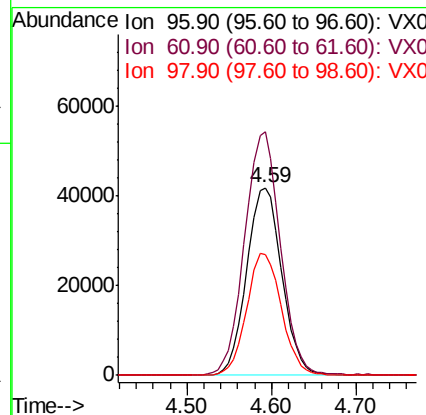
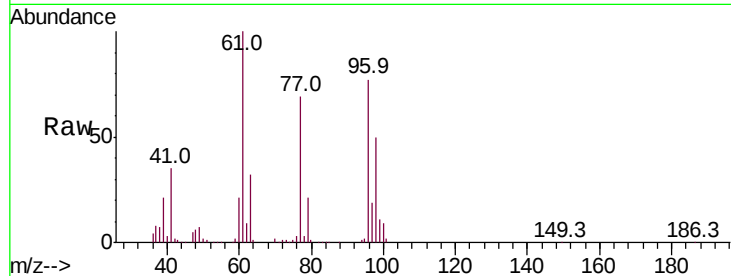
cis-1,2-Dichloroethene
 Concen: 48.521 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX010947.D
 Acq: 18 Jul 2019 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.4	0.0	251.8	
98	64.3	0.0	129.4	

Manual Integrations
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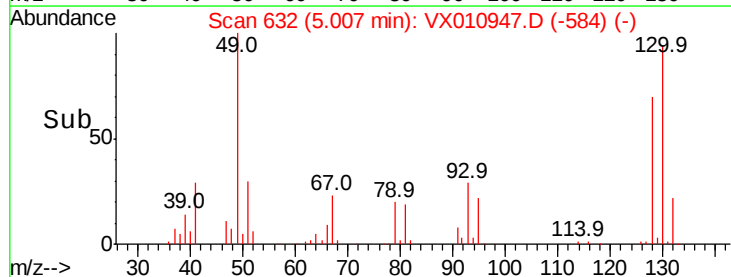
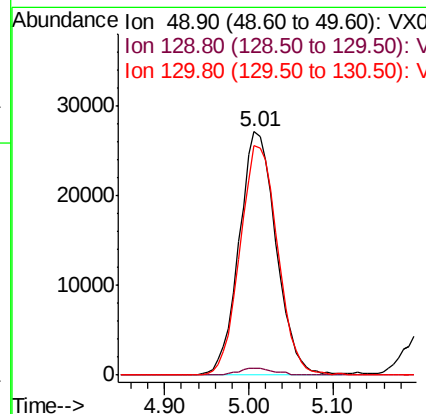
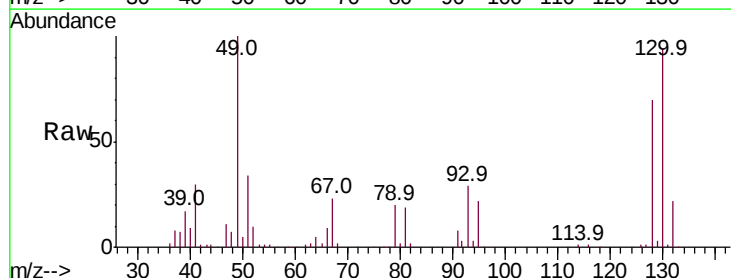
MMDadoda
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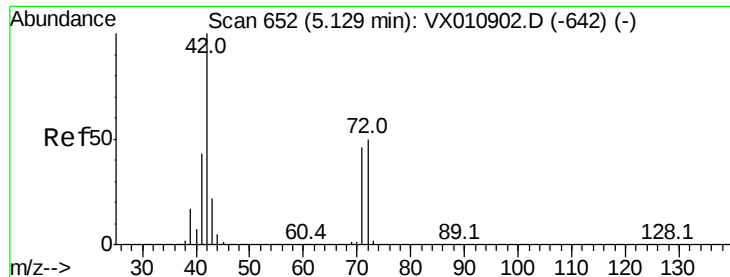


#28

Bromochloromethane
 Concen: 48.606 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX010947.D
 Acq: 18 Jul 2019 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.7	0.0	5.6	
130	95.8	81.4	122.0	





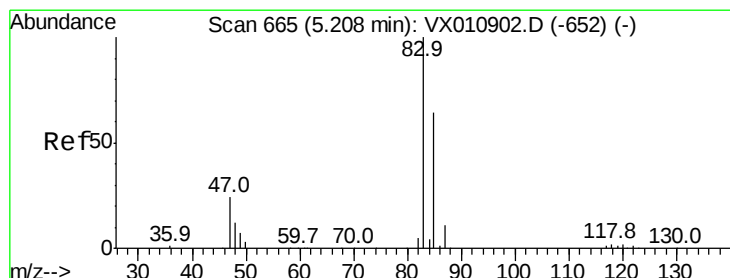
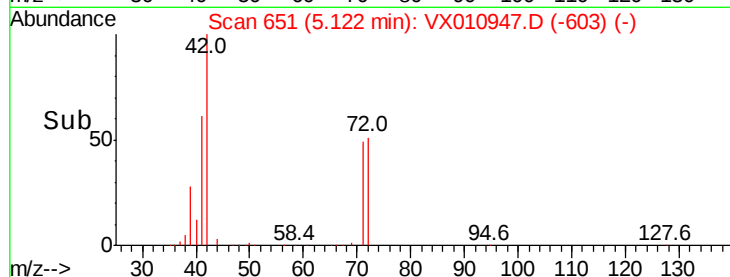
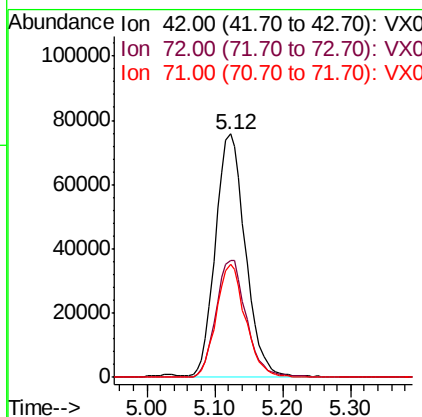
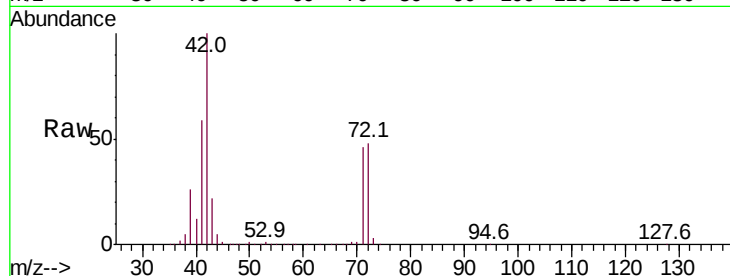
#29
Tetrahydrofuran
Concen: 236.898 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.3	40.6	60.8
71	45.4	37.8	56.8

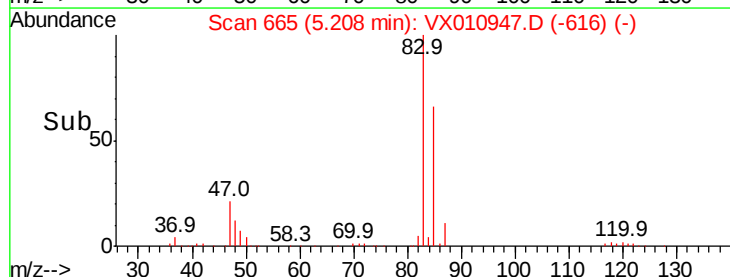
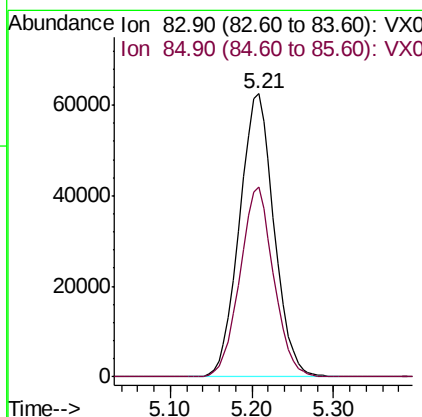
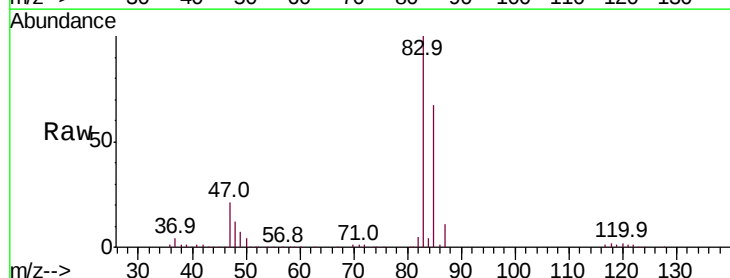
Manual Integrations
APPROVED

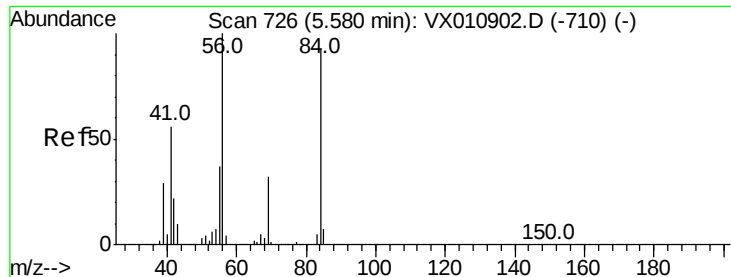
MMDadoda
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#30
Chloroform
Concen: 48.283 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	50.9	76.3





#31

Cvclohexane

Concen: 50.392 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 162197

Ion Ratio Lower Upper

56 100

69 32.4 25.9 38.9

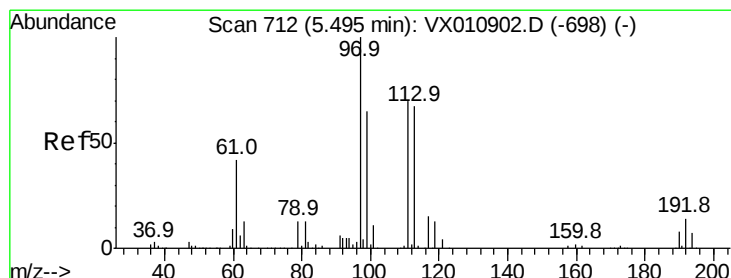
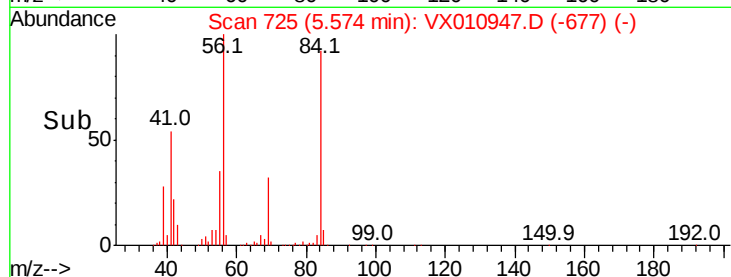
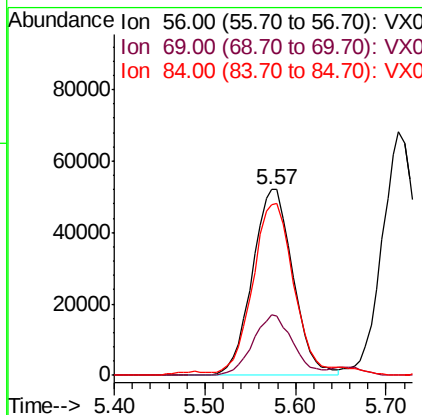
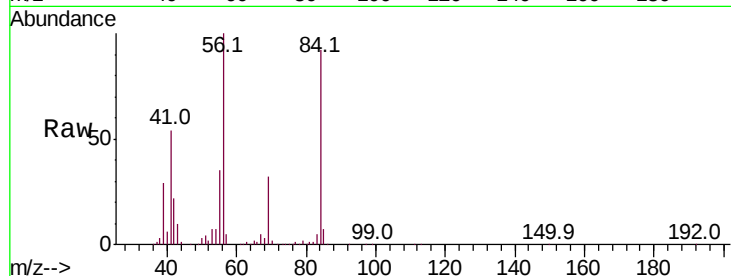
84 90.4 78.0 117.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 49.263 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

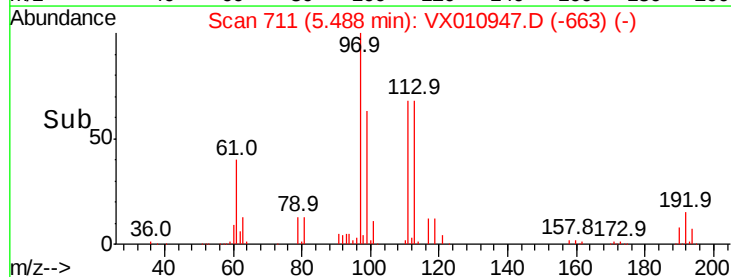
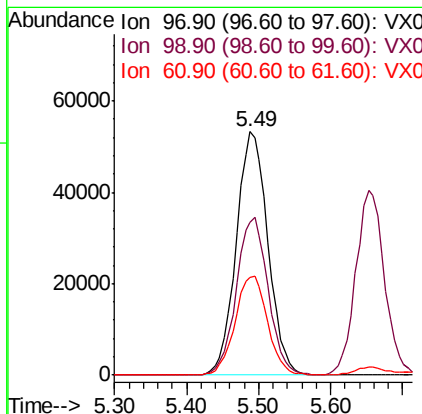
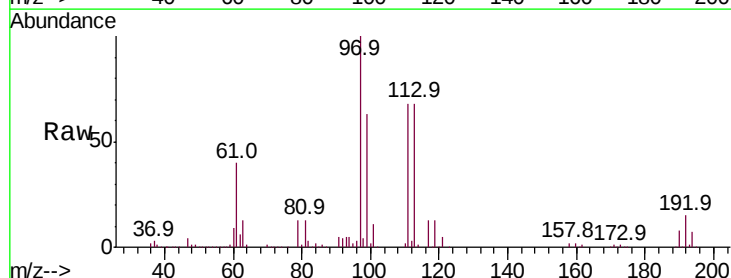
Tgt Ion: 97 Resp: 162677

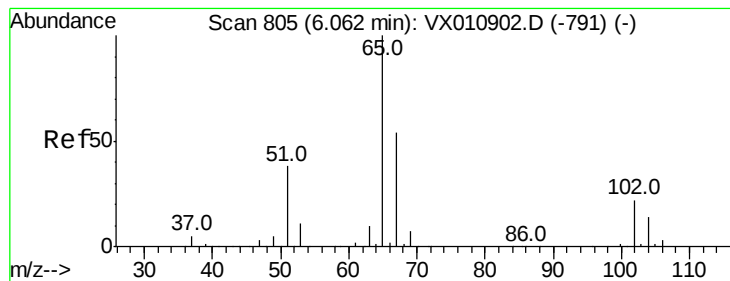
Ion Ratio Lower Upper

97 100

99 65.0 51.8 77.8

61 41.8 32.1 48.1





#33

1,2-Dichloroethane-d4

Concen: 47.956 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Tot Ion: 65 Resp: 113682

Ion Ratio Lower Upper

65 100

67 54.1 0.0 110.2

Instrument :

MSVOA_X

ClientSampleId :

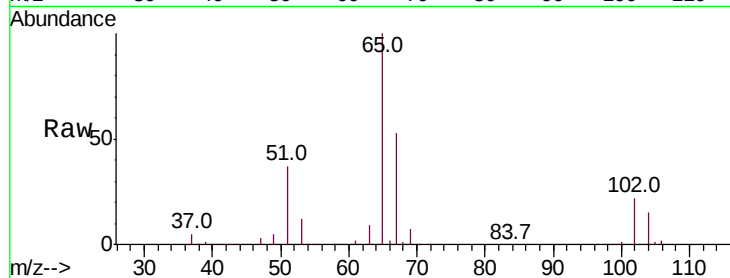
VSTDCCC050

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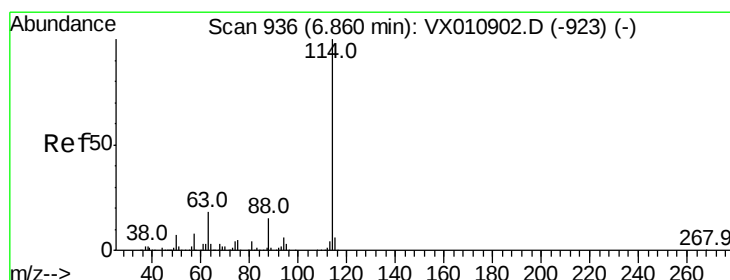
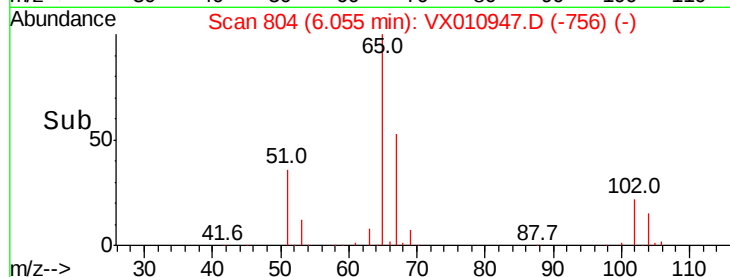


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

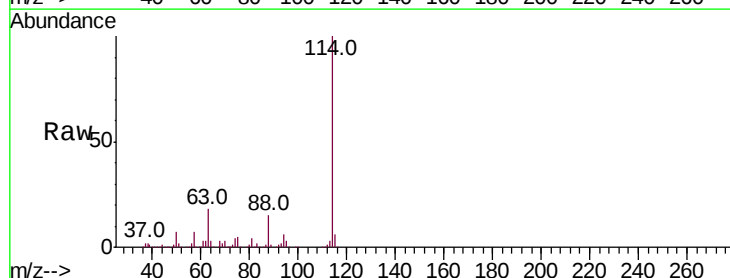
Tgt Ion:114 Resp: 323140

Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.8

88 14.7 0.0 27.6



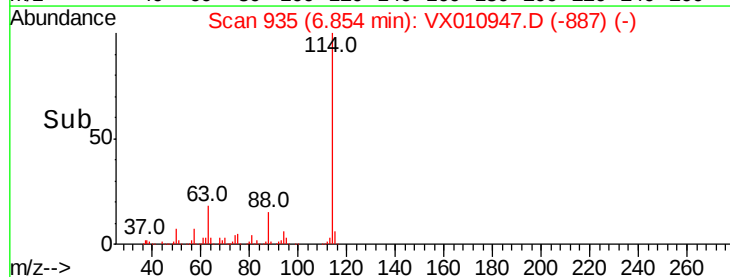
Abundance Ion 113.90 (113.60 to 114.60): V

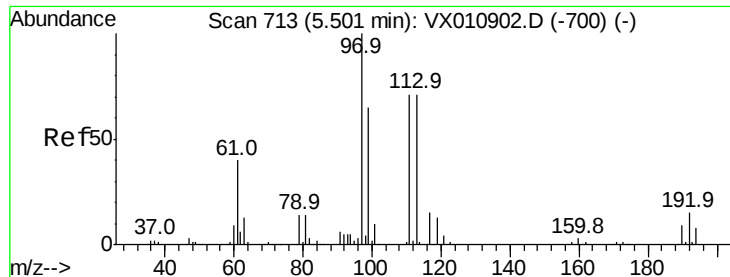
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

Time-->





#35

Dibromofluoromethane

Concen: 52.108 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 106875

Ion Ratio Lower Upper

113 100

111 100.5 81.2 121.8

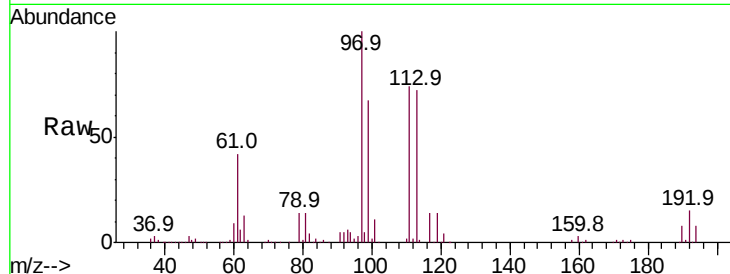
192 22.0 18.6 27.8

Manual Integrations

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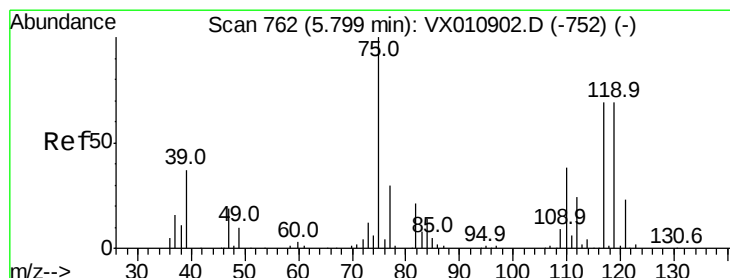
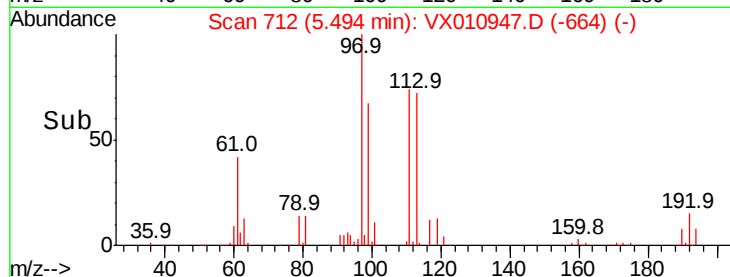
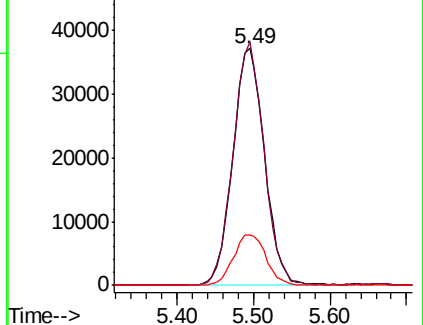
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.479 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

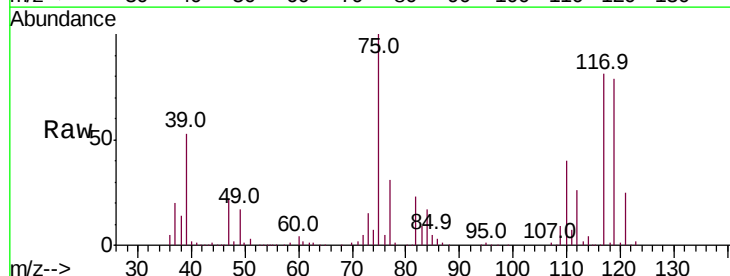
Tgt Ion: 75 Resp: 136641

Ion Ratio Lower Upper

75 100

110 38.9 20.8 62.2

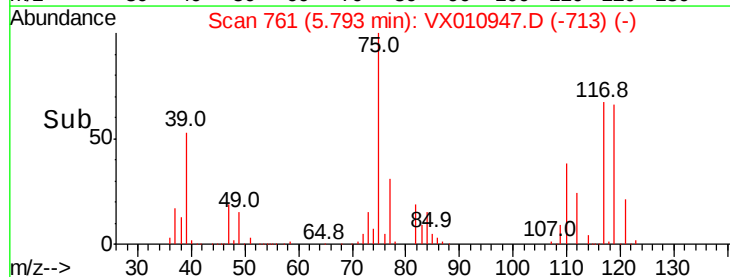
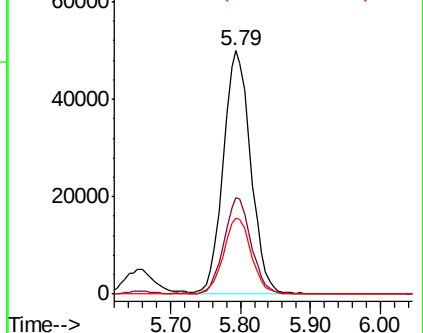
77 31.4 25.4 38.0

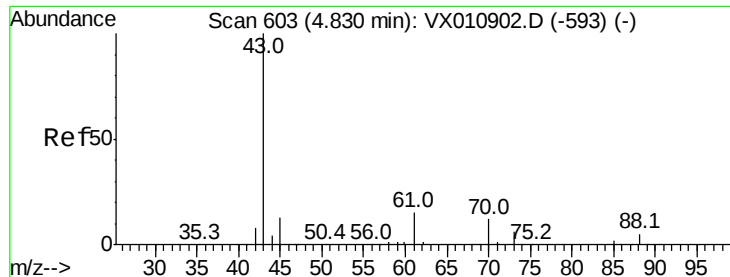


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





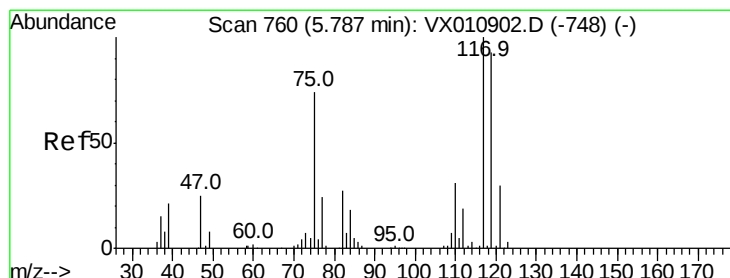
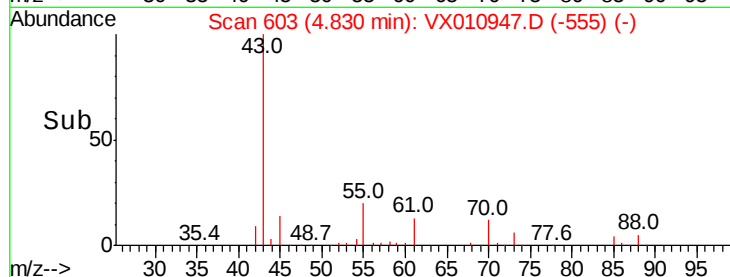
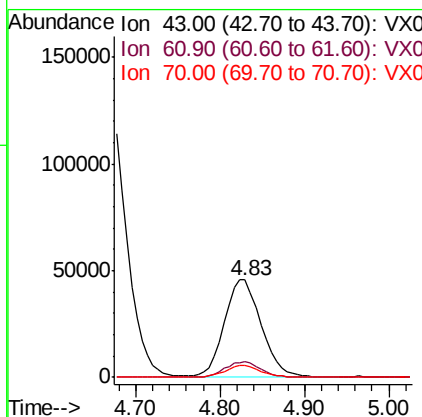
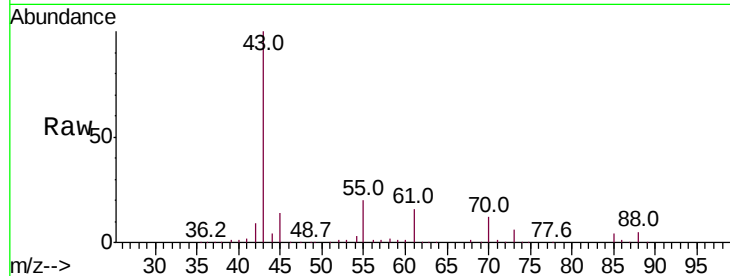
#37
Ethyl Acetate
Concen: 49.670 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.4	18.6
70	12.0	9.8	14.8

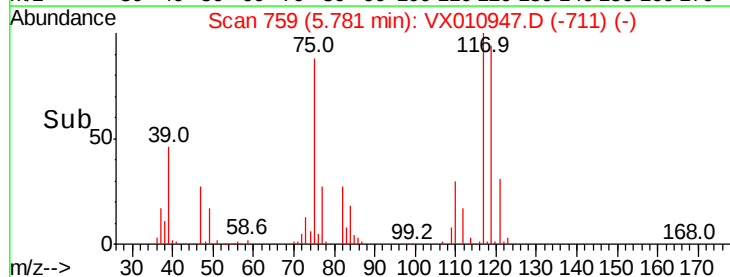
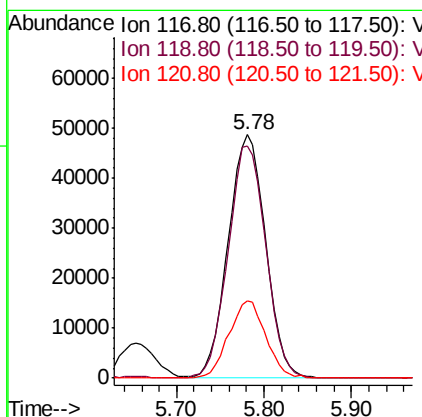
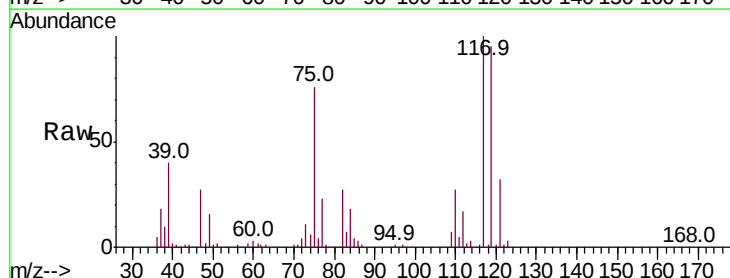
Manual Integrations
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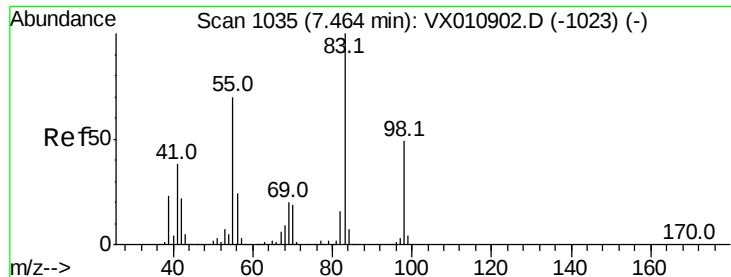
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.361 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	78.2	117.4
121	31.6	24.7	37.1





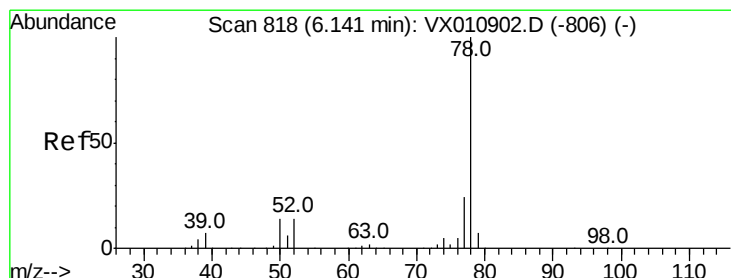
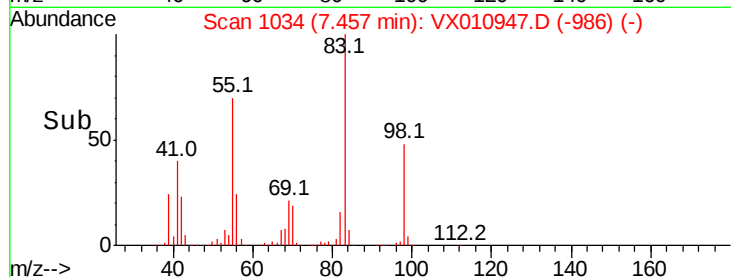
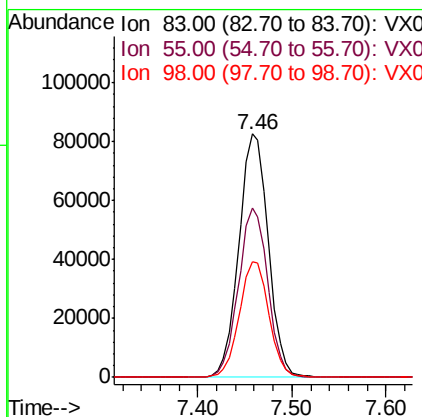
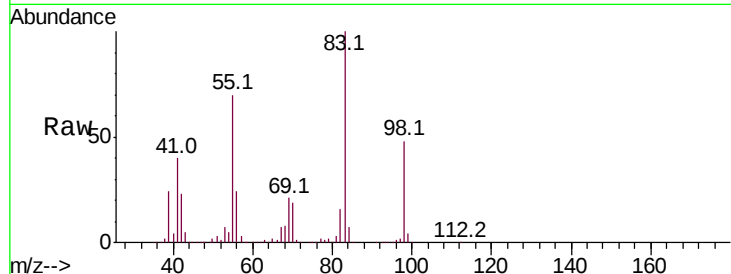
#39
Methvlcvclohexane
Concen: 52.438 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.7	53.0	79.6
98	47.7	37.8	56.8

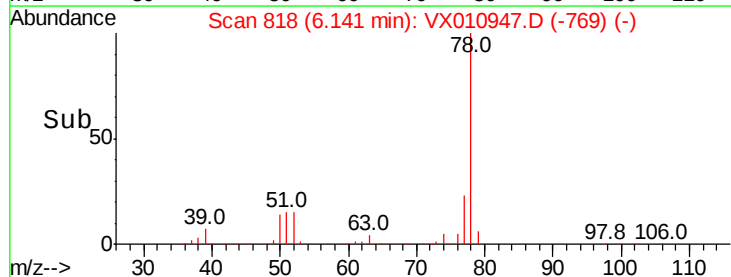
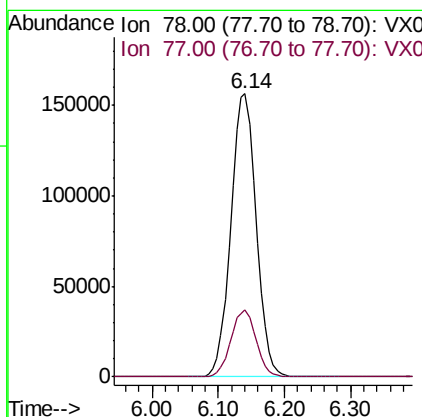
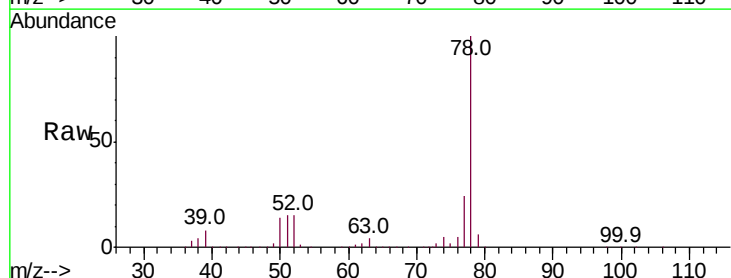
Manual Integrations
APPROVED

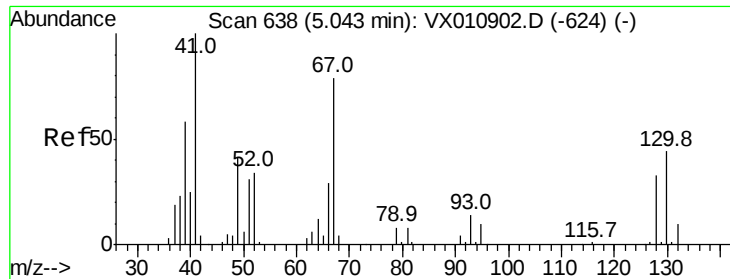
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#40
Benzene
Concen: 50.943 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





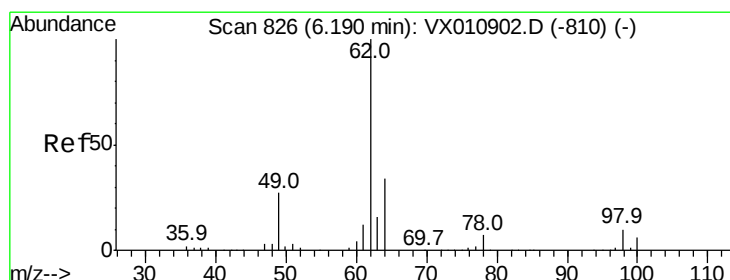
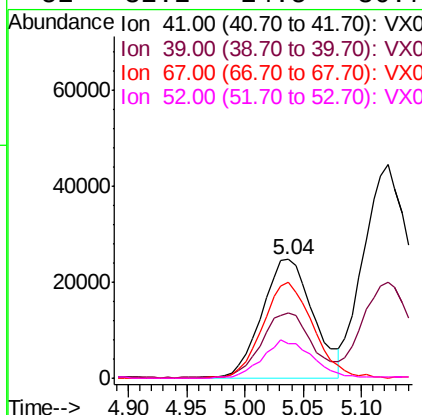
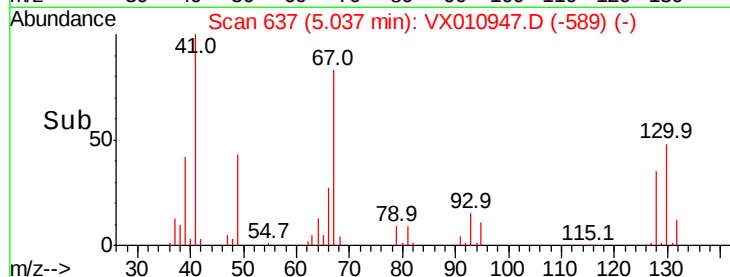
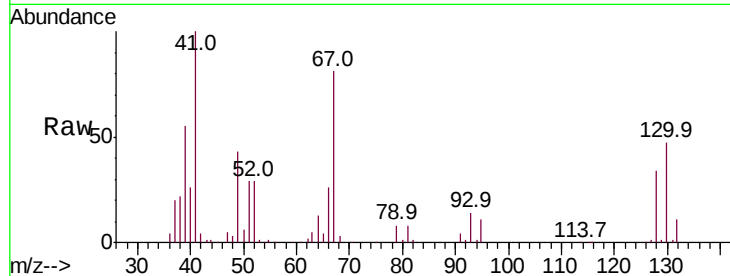
#41
Methacrylonitrile
Concen: 48.864 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	43.8	65.8	
67	79.6	66.6	100.0	
52	32.2	24.5	36.7	

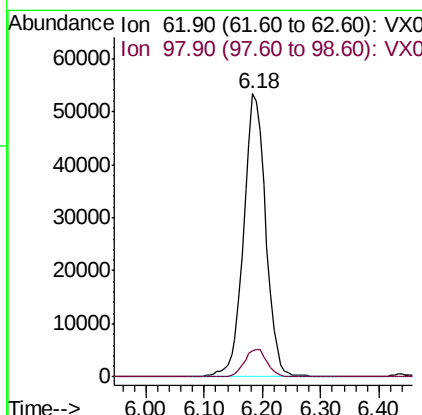
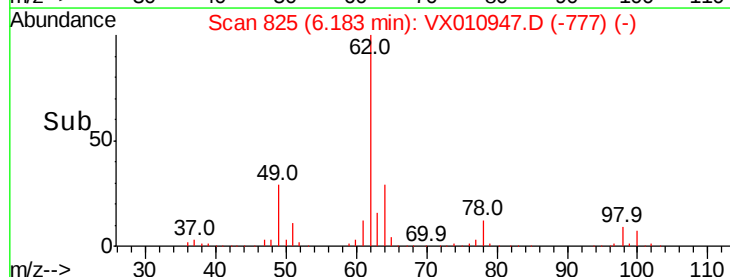
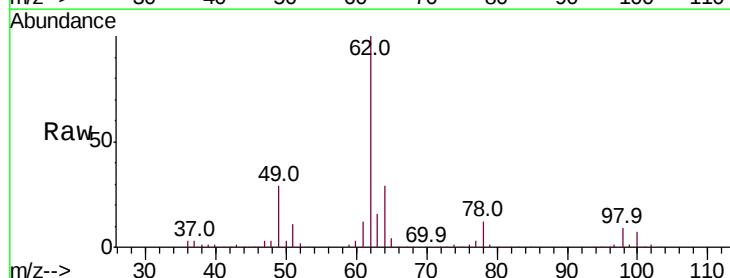
Manual Integrations
APPROVED

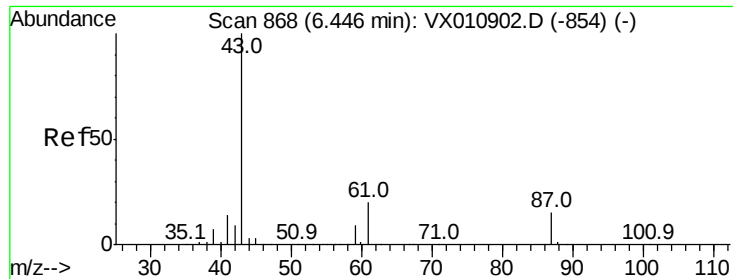
MMDadoda
7/22/2019 12:03:20 PM



#42
1,2-Dichloroethane
Concen: 49.664 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	22.2	





#43

Isopropyl Acetate

Concen: 49.560 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

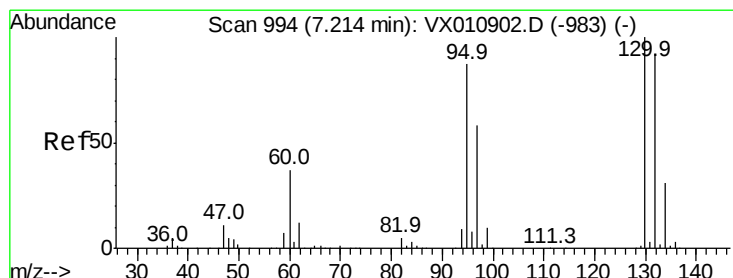
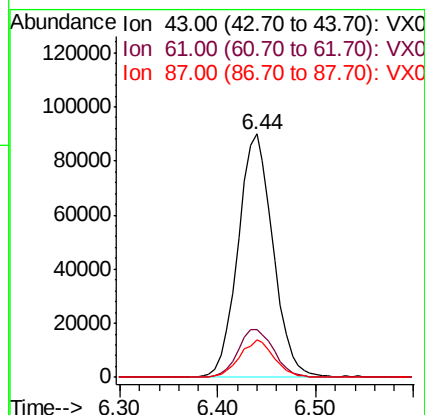
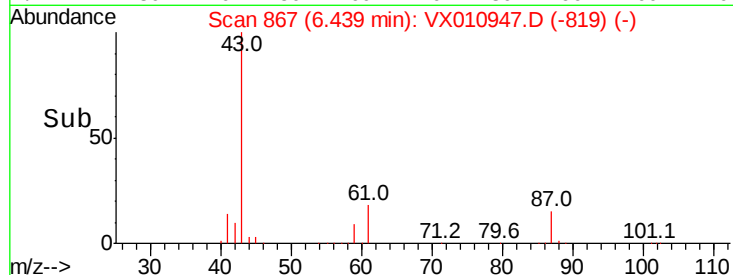
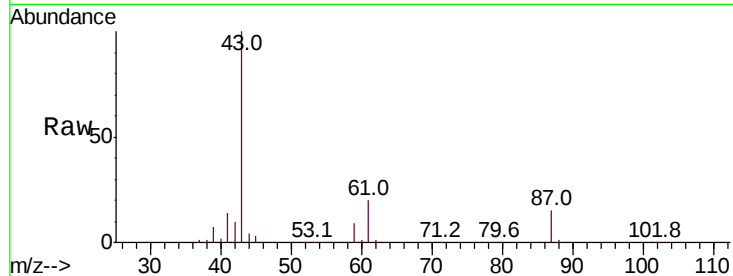
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	221490
Ion	Ratio	Lower	Upper
43	100		
61	20.6	17.8	26.6
87	15.3	13.0	19.4

Manual Integrations
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#44

Trichloroethene

Concen: 50.097 ug/l

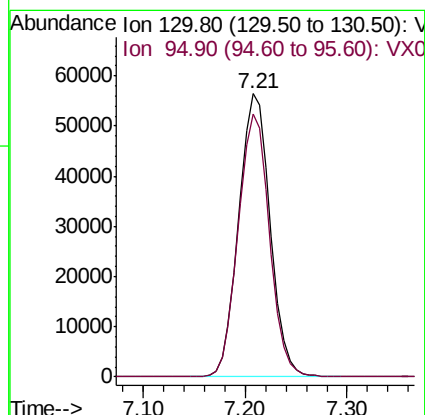
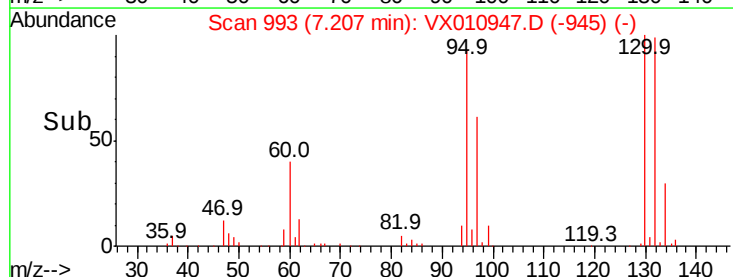
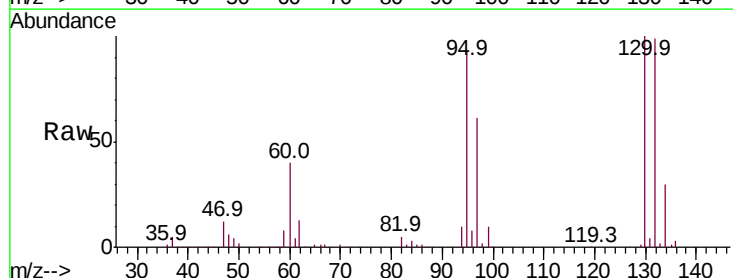
RT: 7.21 min Scan# 993

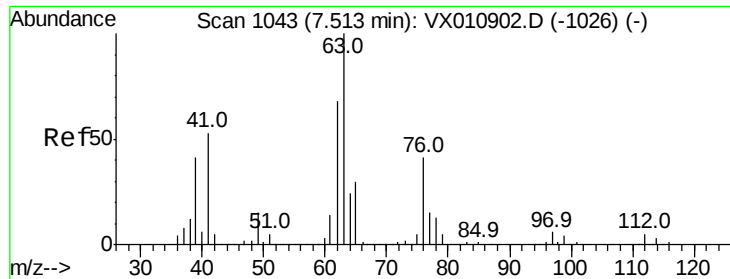
Delta R.T. -0.01 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Tgt Ion:	130	Resp:	120568
Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	180.8





#45

1,2-Dichloropropane

Concen: 49.893 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 103250

Ion Ratio Lower Upper

63 100

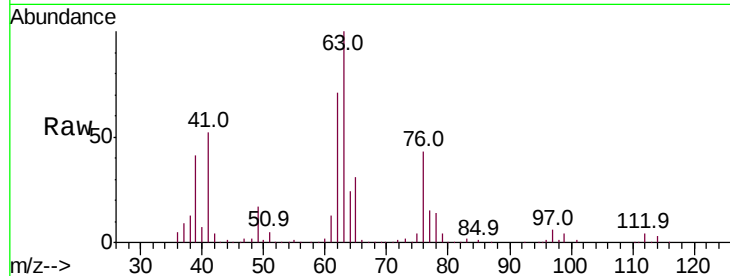
65 30.8 24.8 37.2

Manual Integrations

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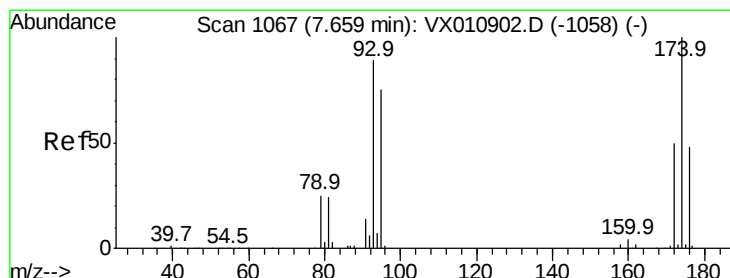
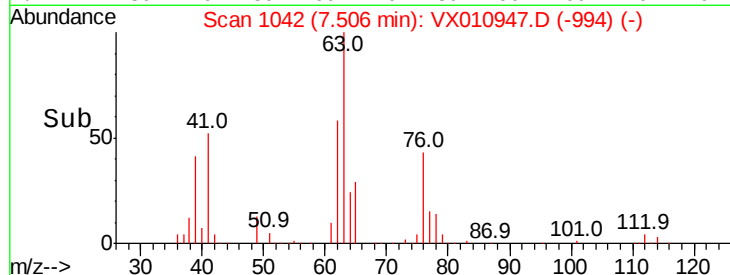
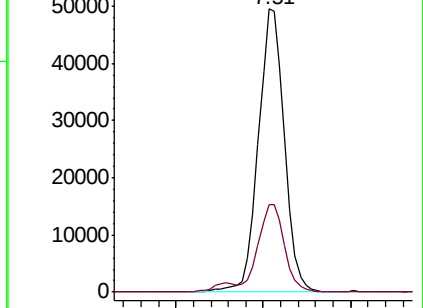
MMDadoda

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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: 51.202 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

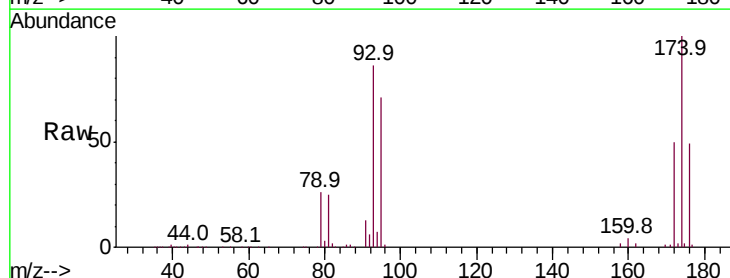
Tgt Ion: 93 Resp: 75714

Ion Ratio Lower Upper

93 100

95 83.0 67.5 101.3

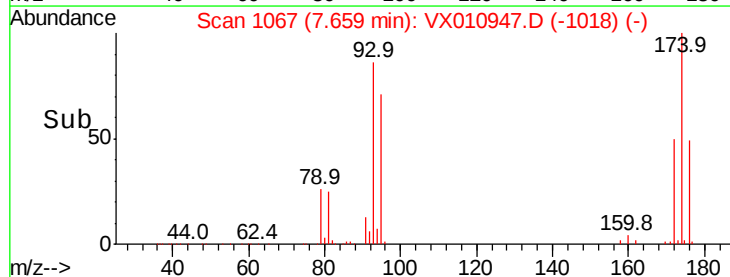
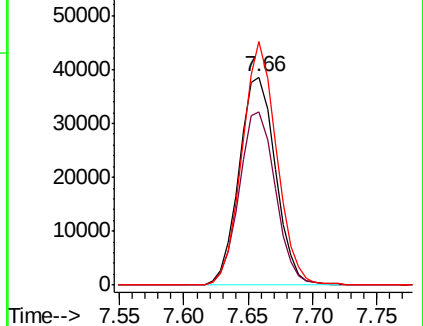
174 110.7 95.8 143.6

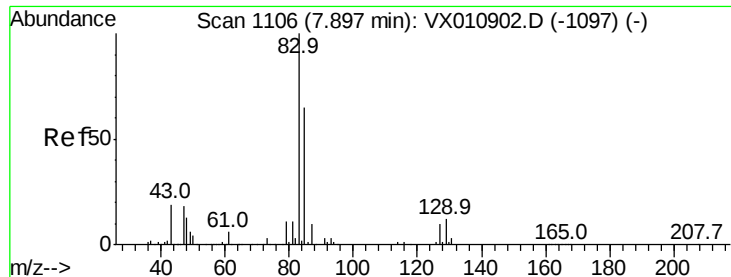


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.885 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

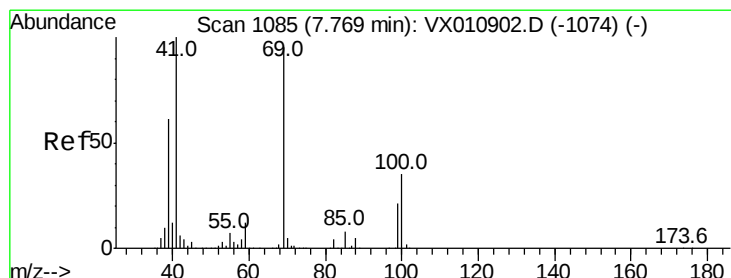
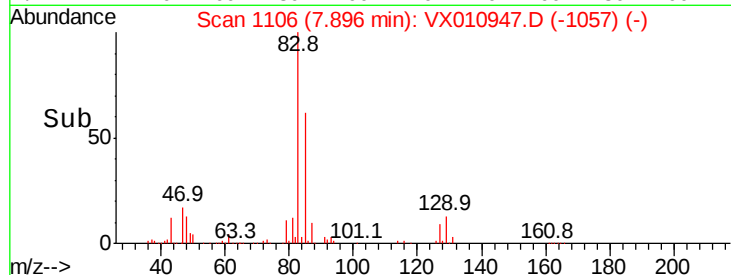
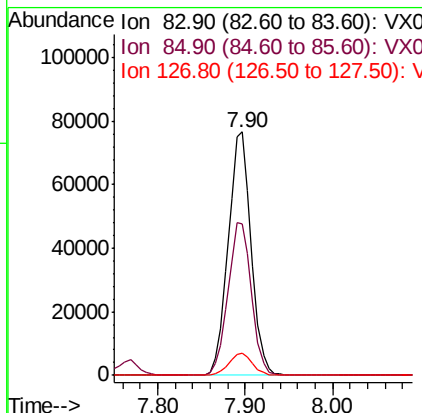
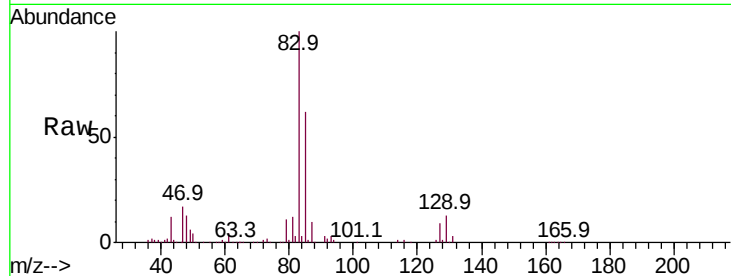
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	139207
Ion Ratio	Lower	Upper	
83	100		
85	62.0	51.5	77.3
127	8.9	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.877 ug/l

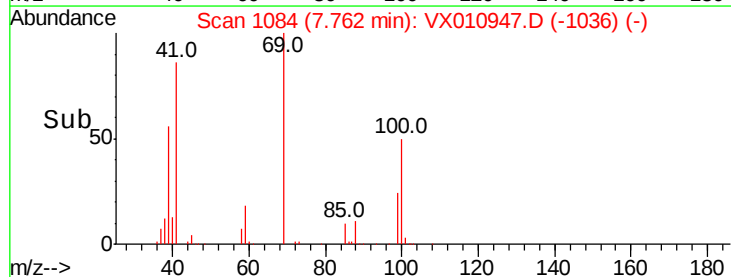
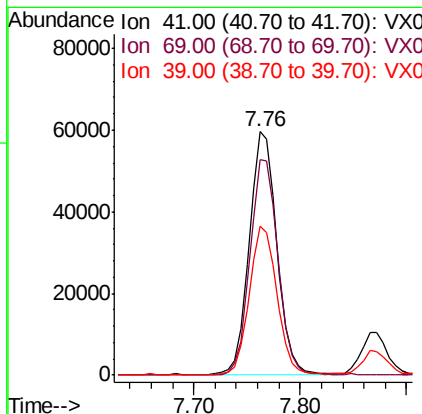
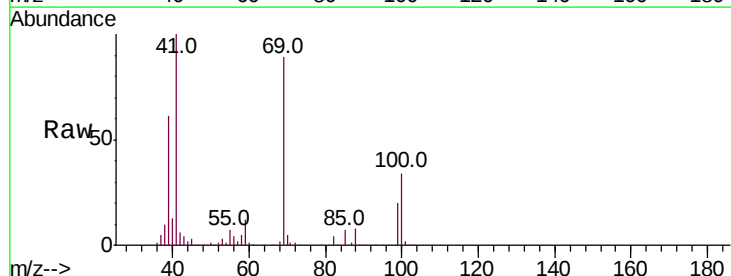
RT: 7.76 min Scan# 1084

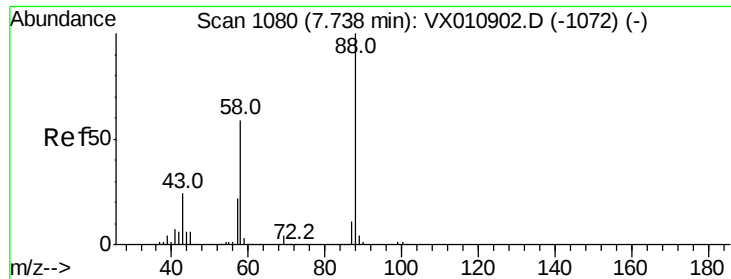
Delta R.T. -0.01 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Tgt Ion:	41	Resp:	108588
Ion Ratio	Lower	Upper	
41	100		
69	90.4	76.1	114.1
39	61.2	47.6	71.4





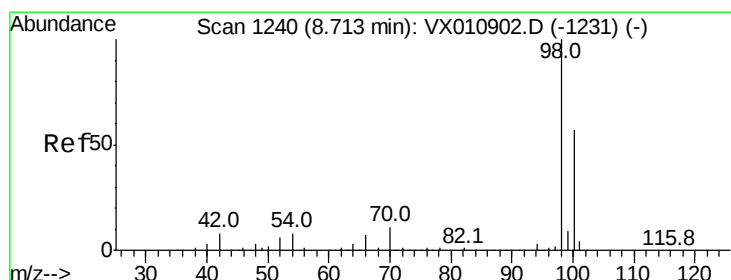
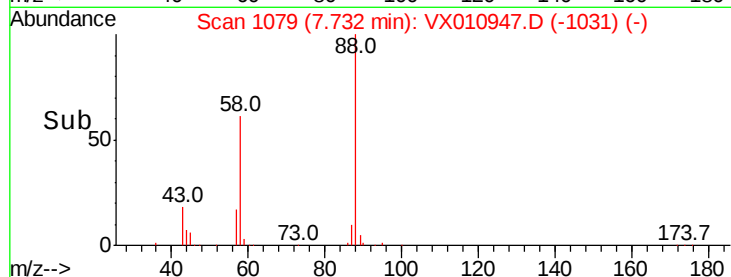
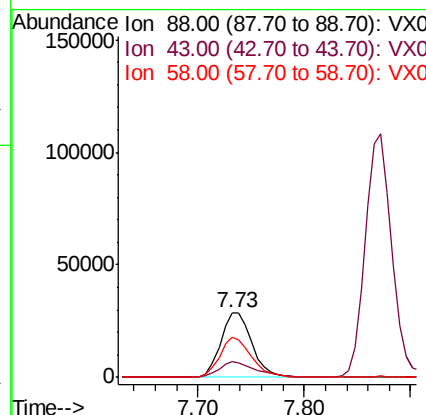
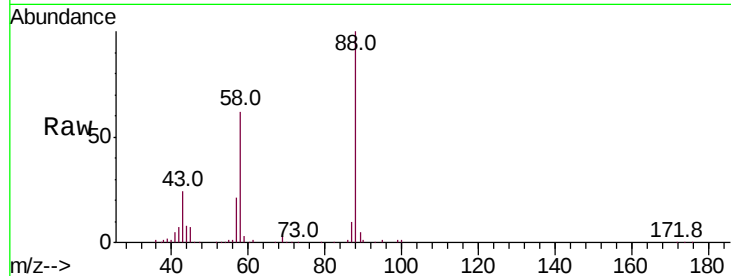
#49
1,4-Dioxane
Concen: 956.220 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	58233		
43	27.2		20.2	30.2
58	61.6		49.5	74.3

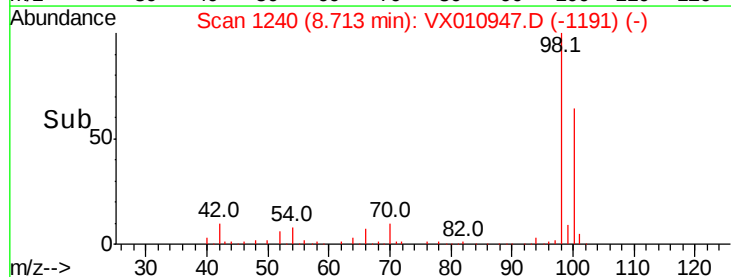
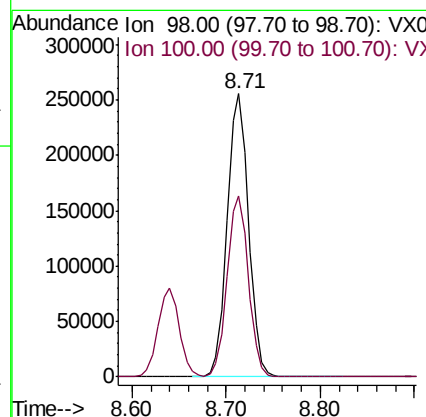
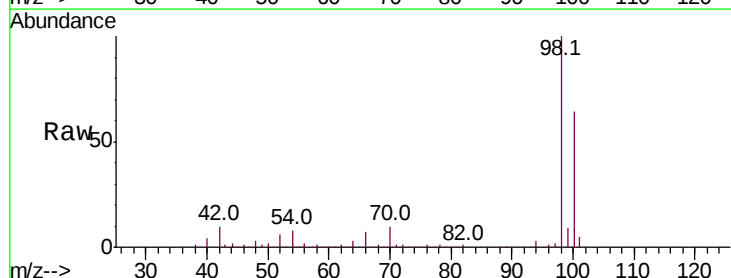
Manual Integrations
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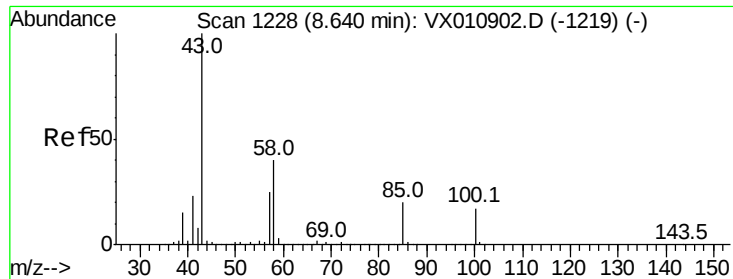
MMDadoda
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#50
Toluene-d8
Concen: 51.859 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	398936		
100	63.8		51.6	77.4





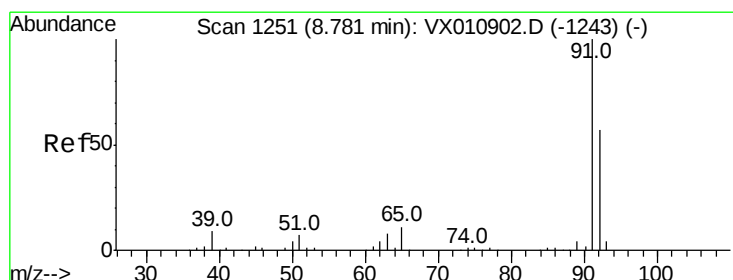
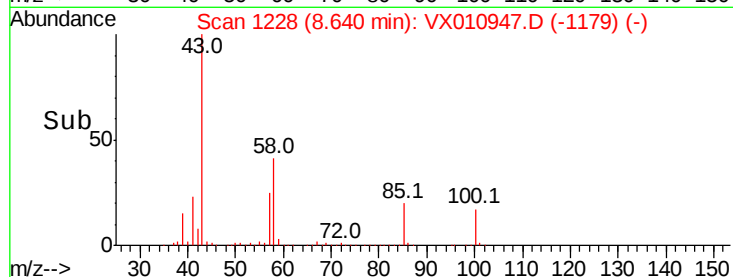
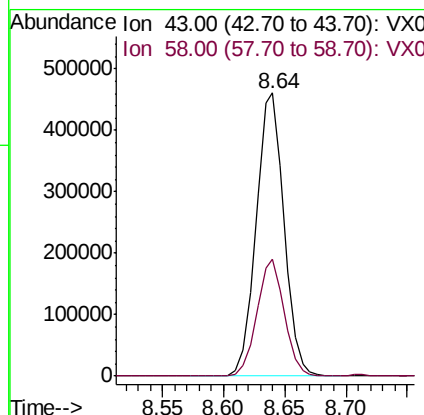
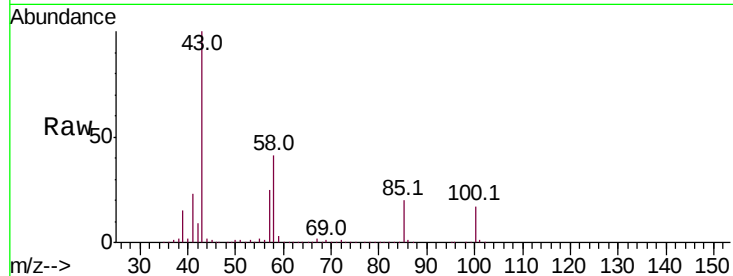
#51
4-Methyl-2-Pentanone
Concen: 252.184 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.4	33.5	50.3

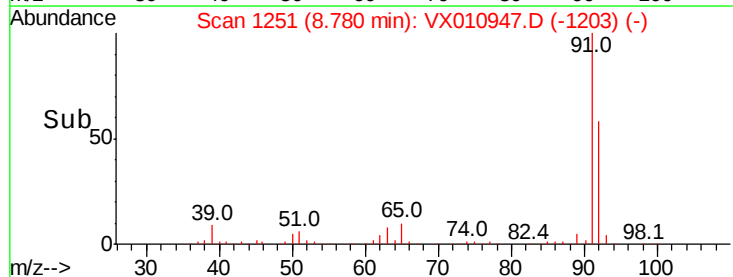
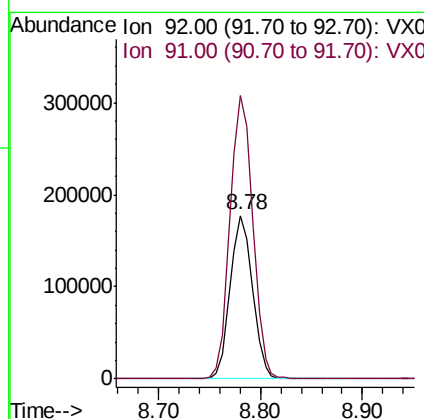
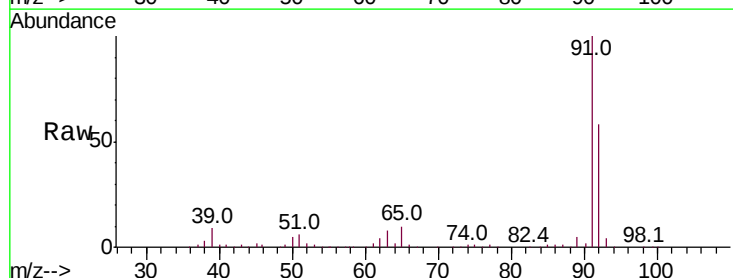
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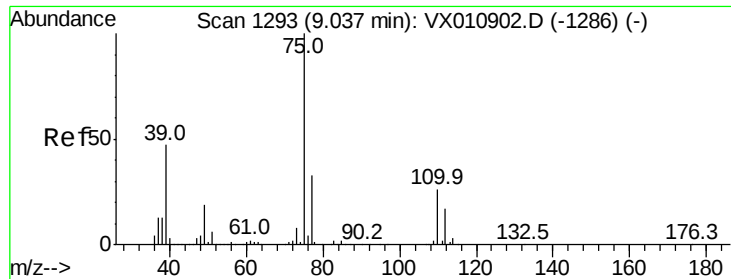
MMDadoda
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#52
Toluene
Concen: 50.320 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.6	139.8	209.6





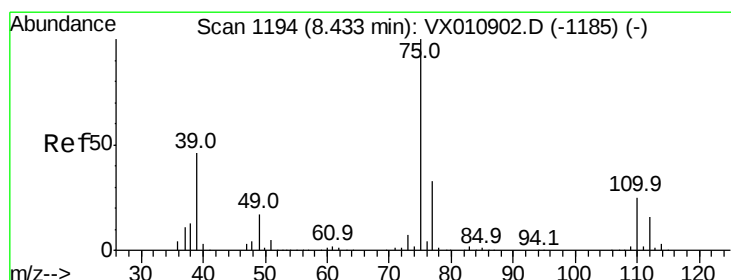
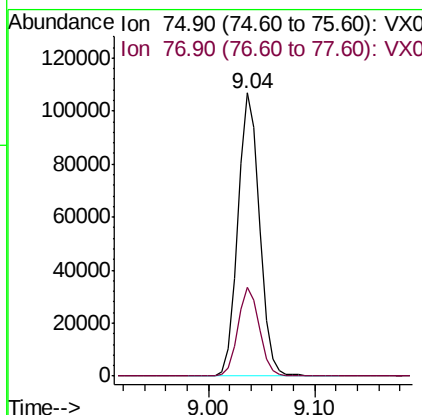
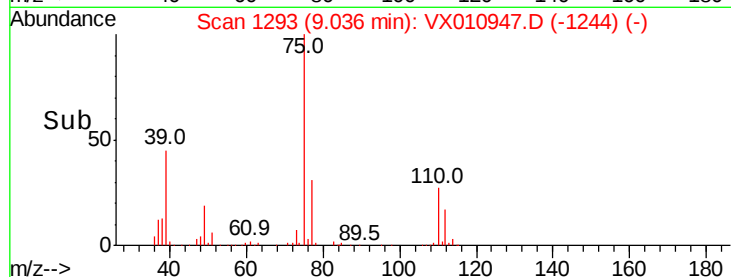
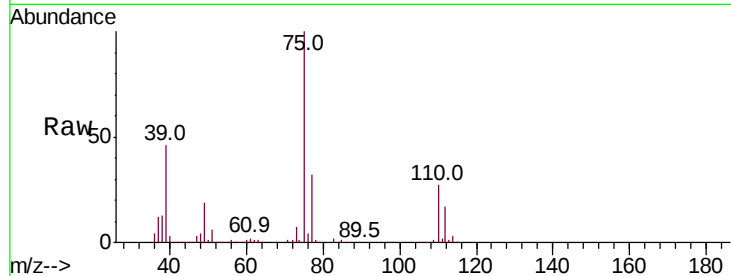
#53
t-1,3-Dichloropropene
Concen: 53.985 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 152796
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2

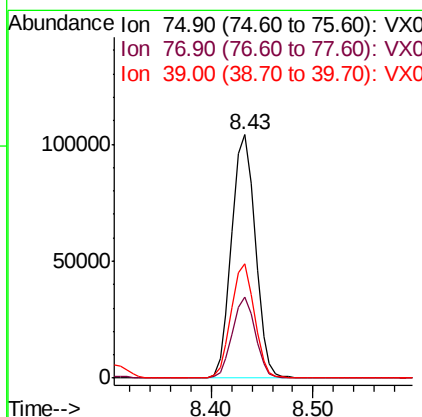
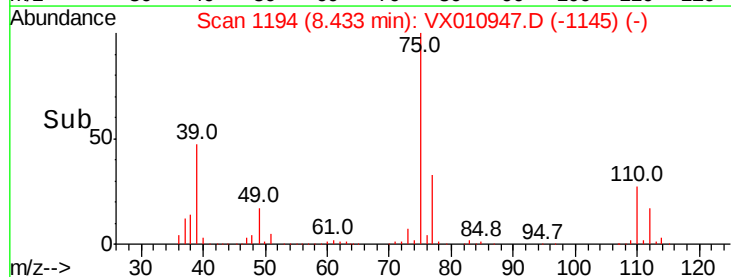
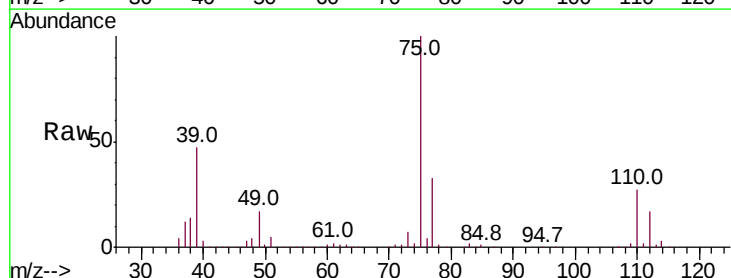
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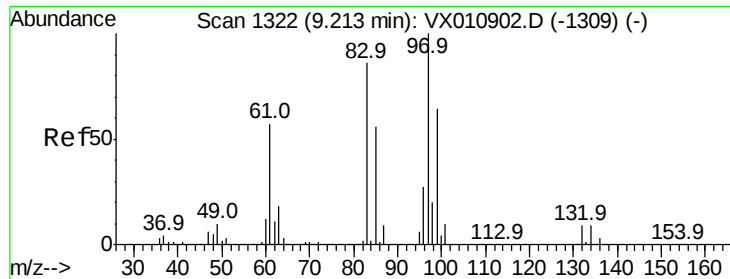
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 53.099 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion: 75 Resp: 167231
Ion Ratio Lower Upper
75 100
77 33.2 25.2 37.8
39 46.6 34.5 51.7





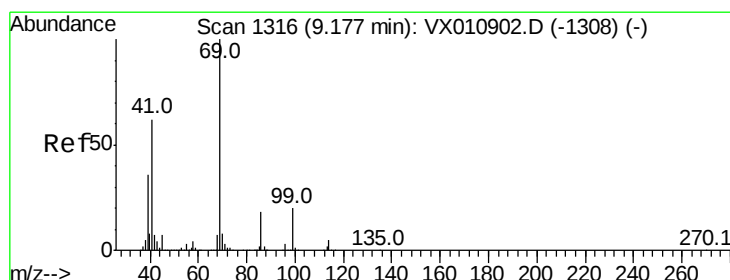
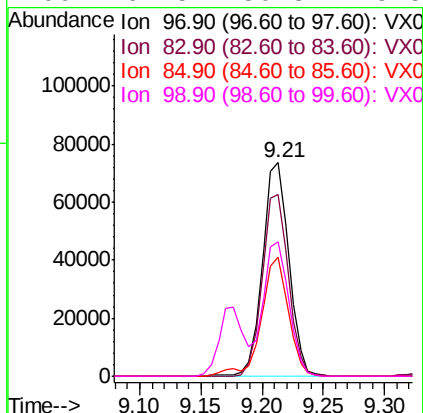
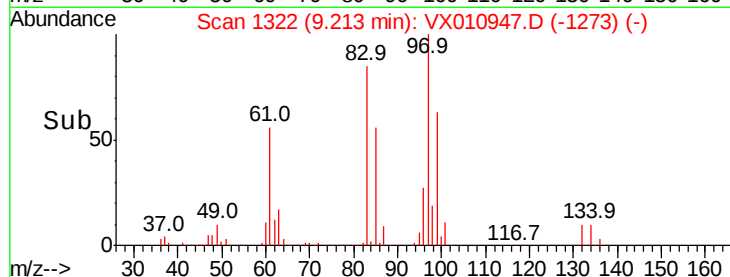
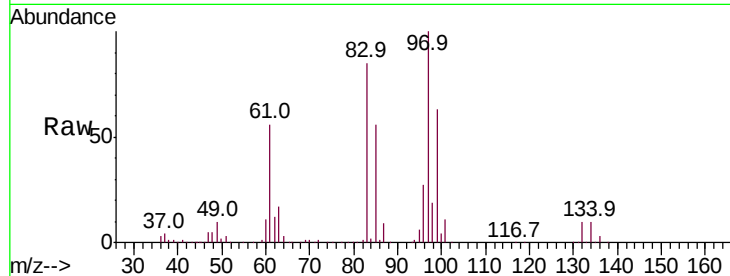
#55
 1,1,2-Trichloroethane
 Concen: 50.321 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010947.D
 Acq: 18 Jul 2019 10:27

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.4	101.0
85	55.8	43.8	65.8
99	62.5	50.3	75.5

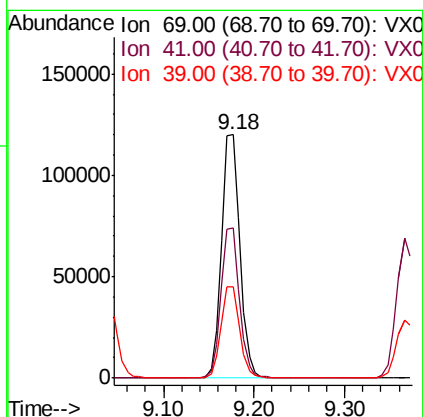
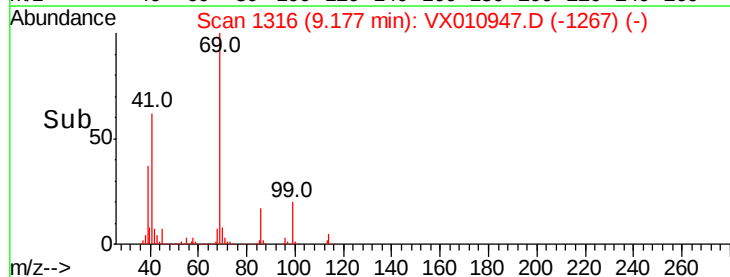
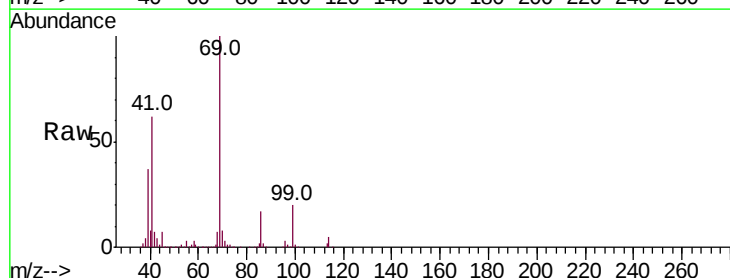
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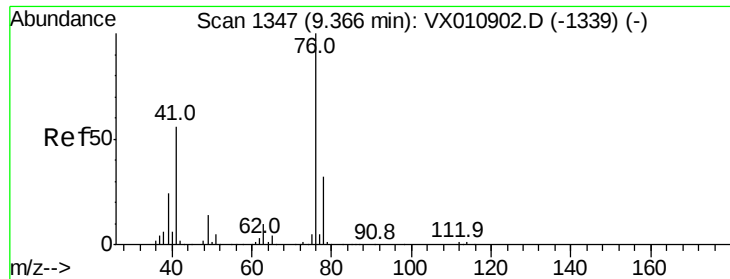
MMDadoda
 7/22/2019 12:03:20 PM



#56
 Ethyl methacrylate
 Concen: 52.834 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010947.D
 Acq: 18 Jul 2019 10:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.8	47.1	70.7
39	37.8	26.6	40.0





#57

1,3-Dichloropropane

Concen: 50.391 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 175804

Ion Ratio Lower Upper

76 100

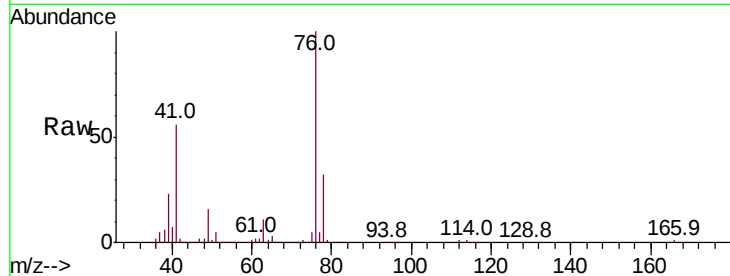
78 32.4 26.1 39.1

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

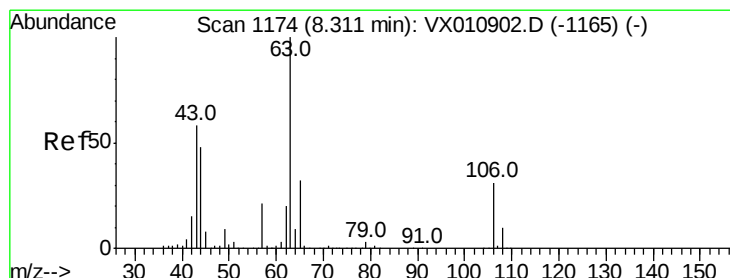
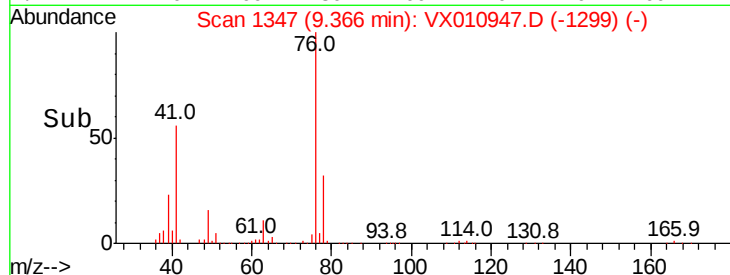
100000

50000

0

Time-->

9.30 9.40 9.50



#58

2-Chloroethyl Vinyl ether

Concen: 266.177 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX010947.D

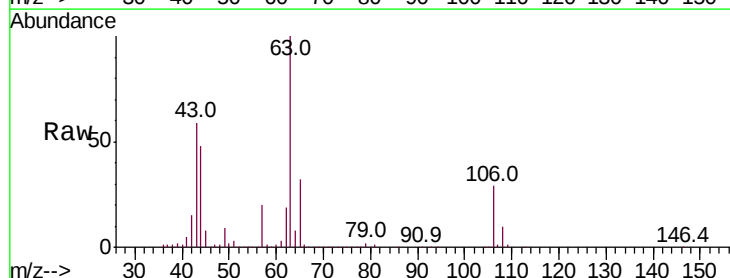
Acq: 18 Jul 2019 10:27

Tgt Ion: 63 Resp: 408758

Ion Ratio Lower Upper

63 100

106 30.1 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

300000

250000

200000

150000

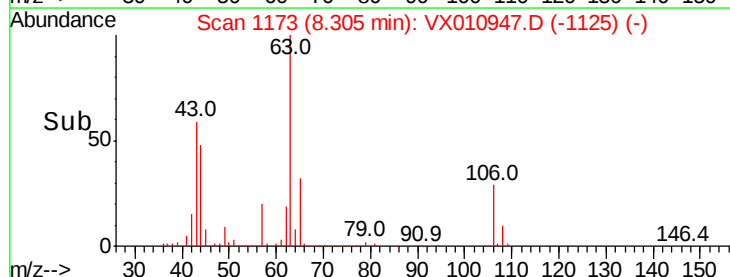
100000

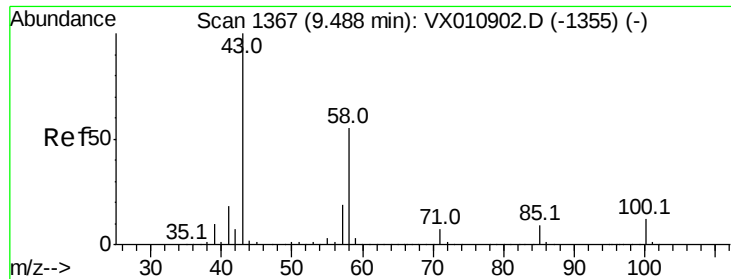
50000

0

Time-->

8.20 8.25 8.30 8.35 8.40





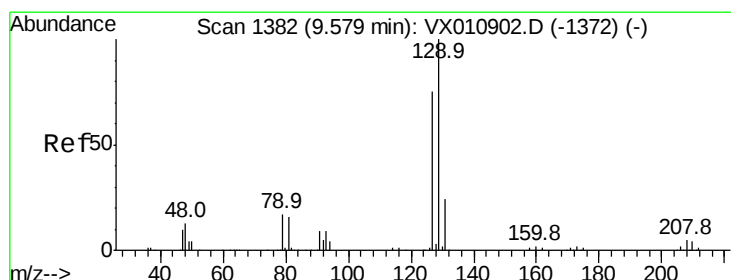
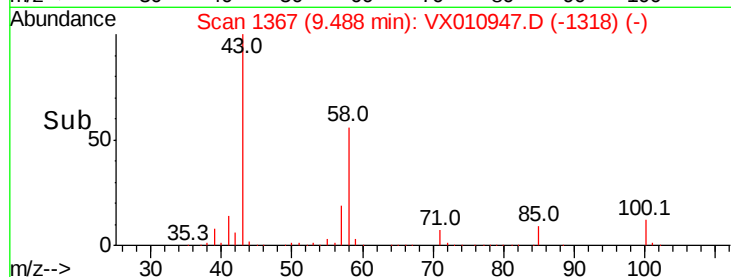
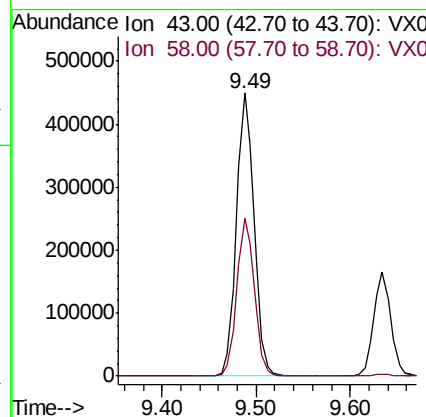
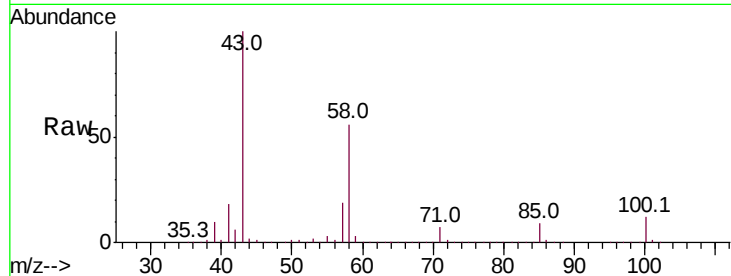
#59
2-Hexanone
Concen: 260.420 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 585162
Ion Ratio Lower Upper
43 100
58 55.6 29.0 87.1

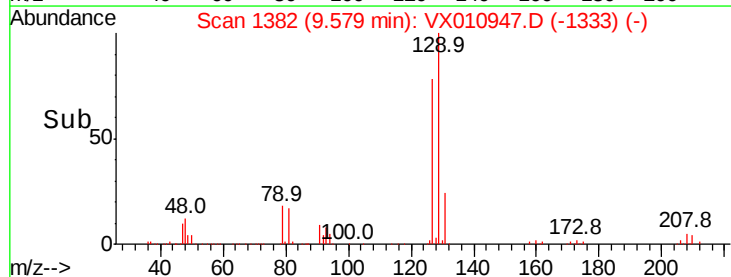
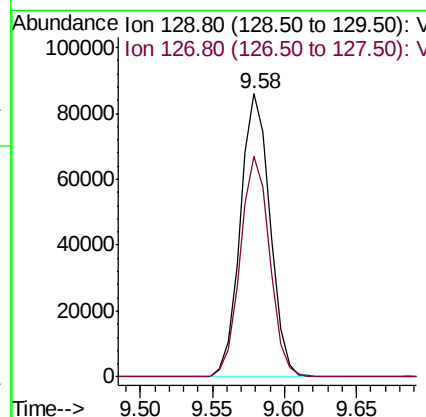
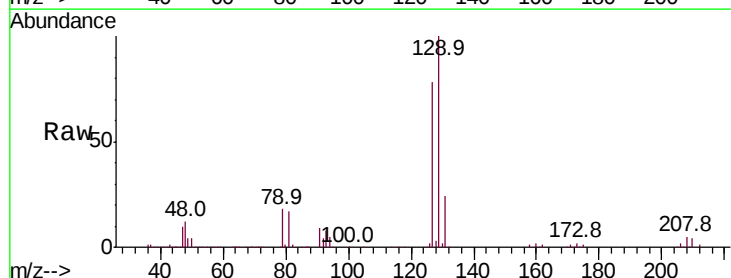
Manual Integrations
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#60
Dibromochloromethane
Concen: 48.752 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion: 129 Resp: 123227
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 51.870 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 121064

Ion Ratio Lower Upper

107 100

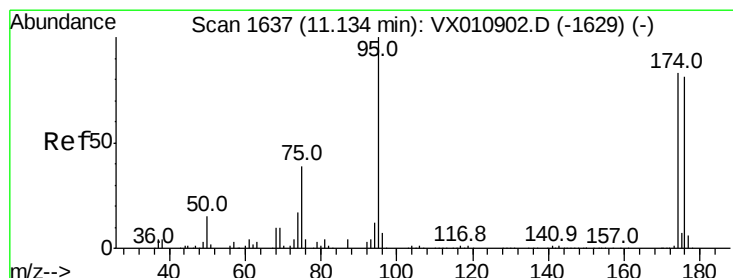
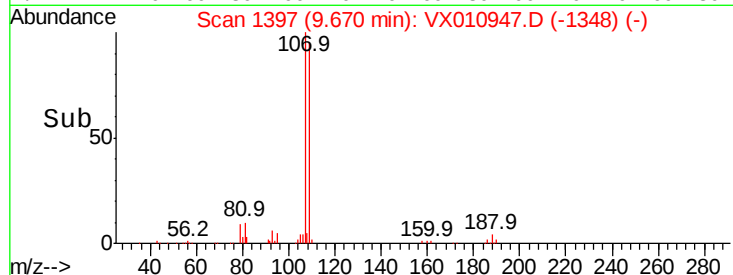
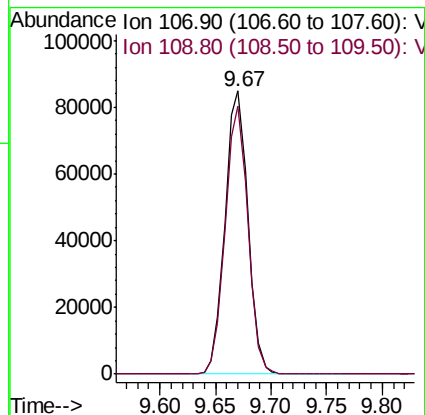
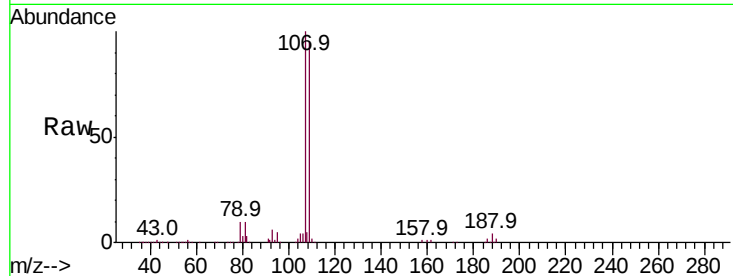
109 93.8 75.8 113.6

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#62

4-Bromofluorobenzene

Concen: 53.127 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

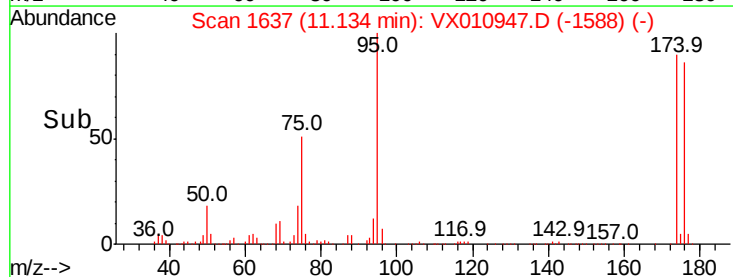
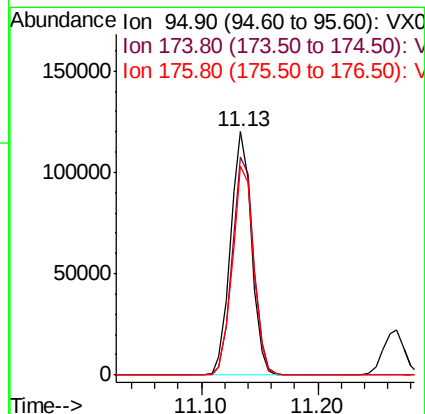
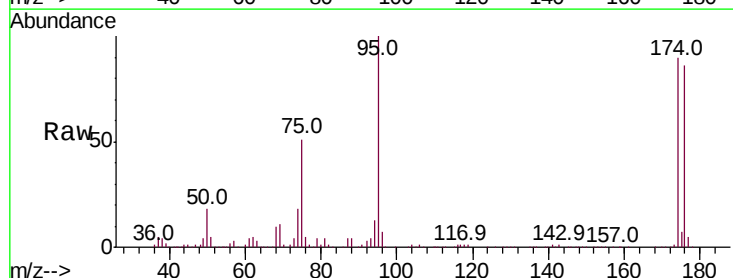
Tgt Ion: 95 Resp: 150222

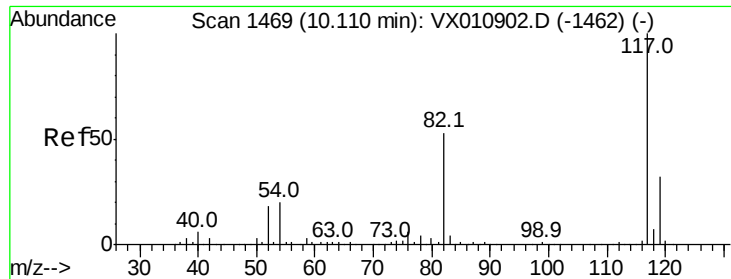
Ion Ratio Lower Upper

95 100

174 91.8 0.0 187.6

176 87.3 0.0 184.0





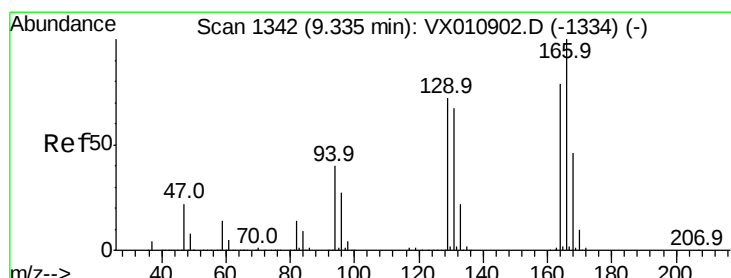
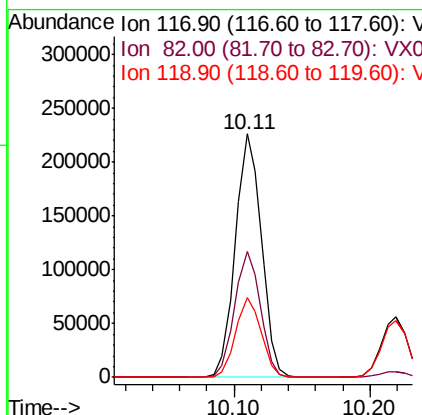
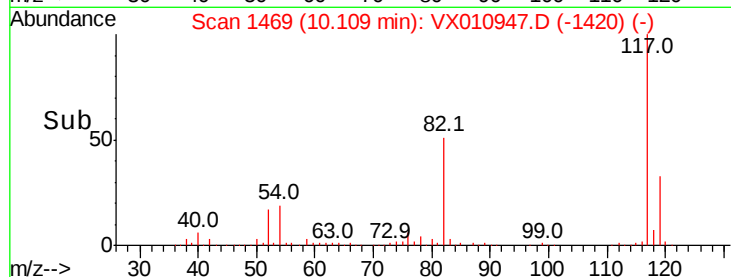
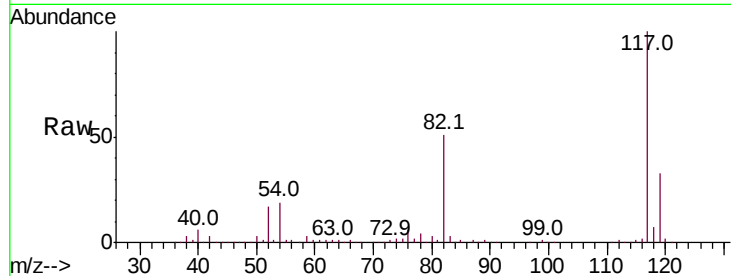
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.2	61.8
119	32.5	25.5	38.3

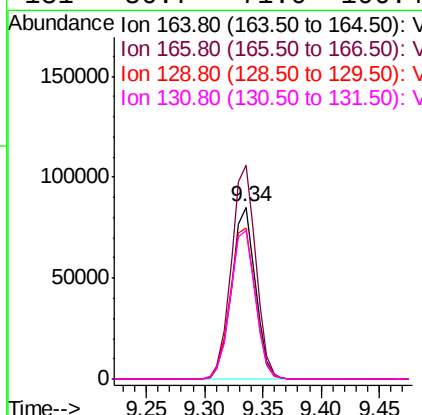
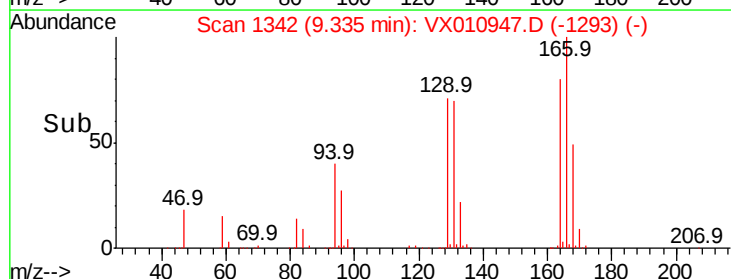
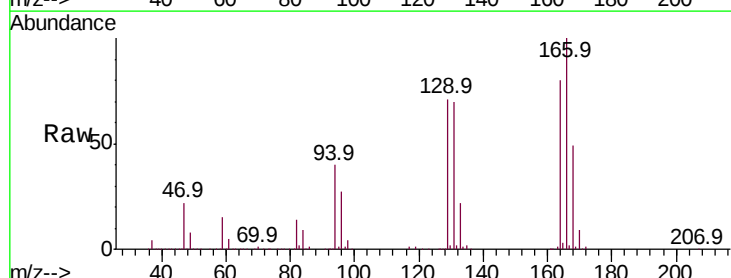
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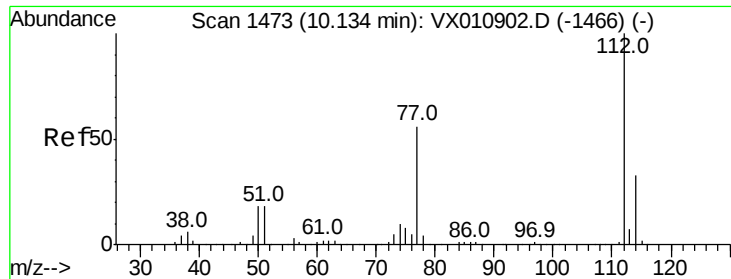
MMDadoda
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#64
Tetrachloroethene
Concen: 51.180 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	103.6	155.4
129	88.0	73.0	109.4
131	86.7	71.0	106.4





#65

Chlorobenzene

Concen: 49.391 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 306309

Ion Ratio Lower Upper

112 100

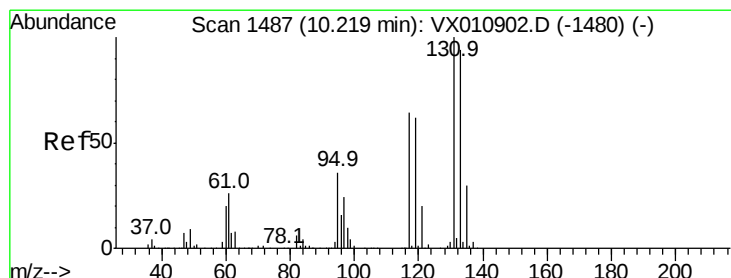
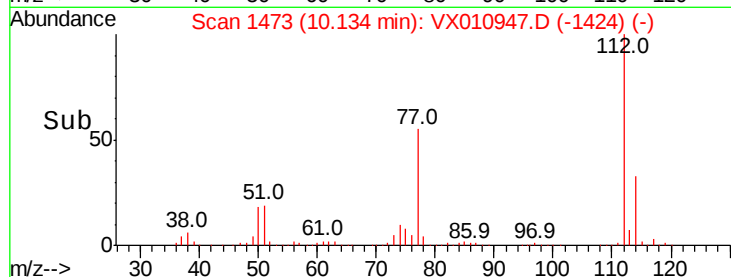
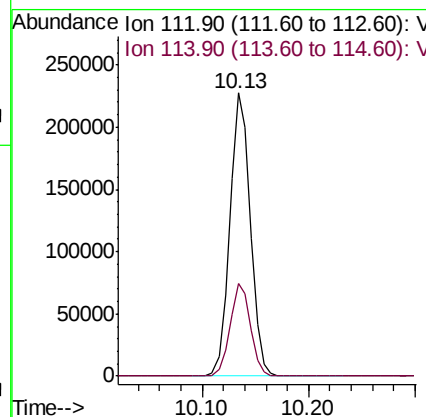
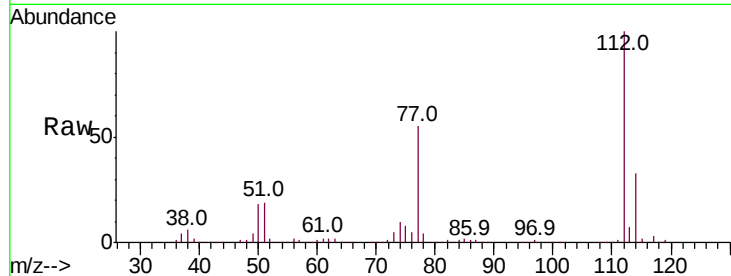
114 32.9 25.4 38.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 51.527 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

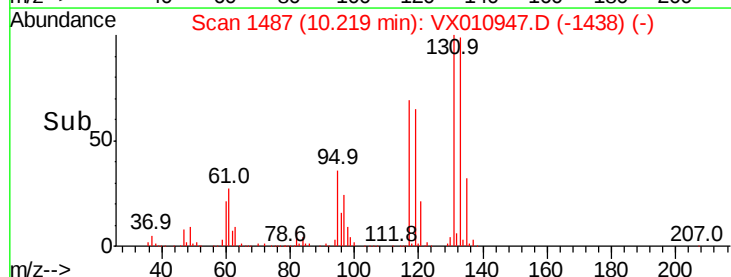
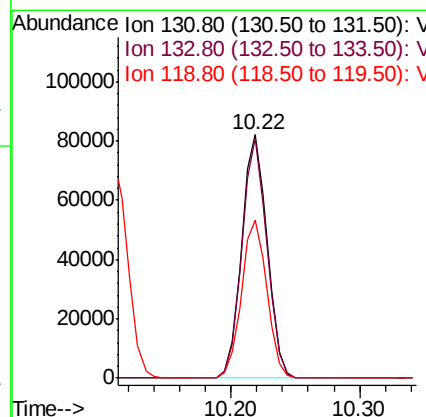
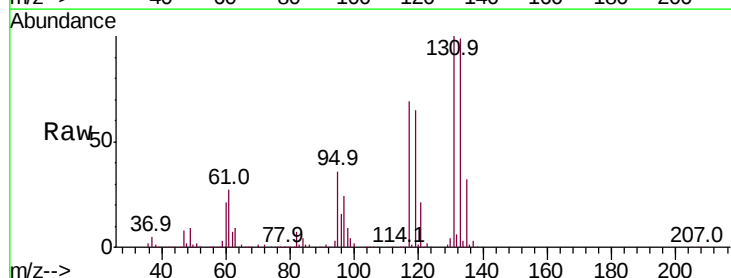
Tgt Ion:131 Resp: 112310

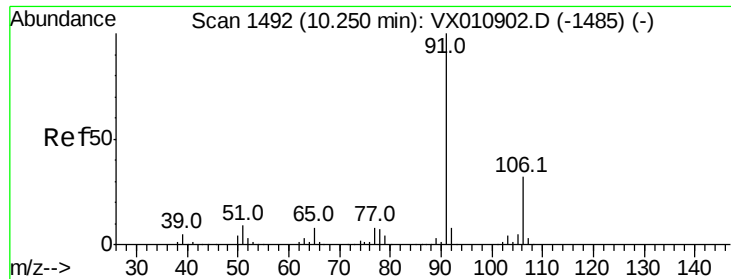
Ion Ratio Lower Upper

131 100

133 96.5 47.7 143.1

119 64.6 32.6 97.7





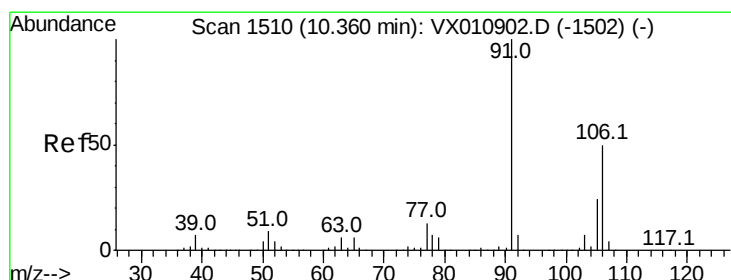
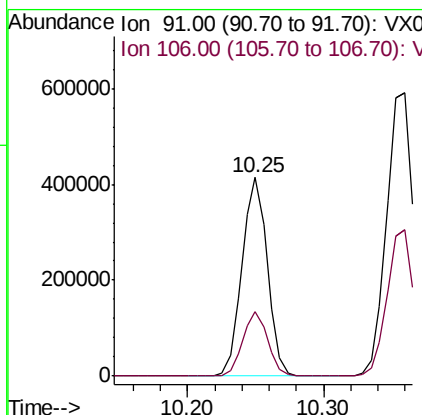
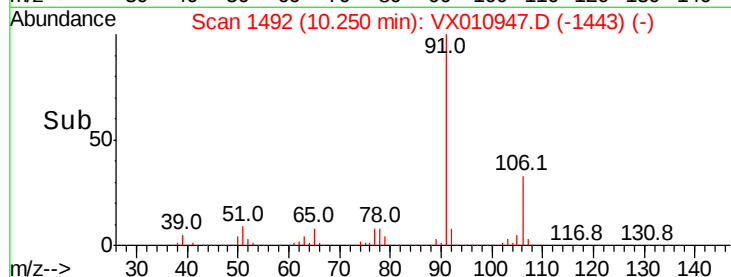
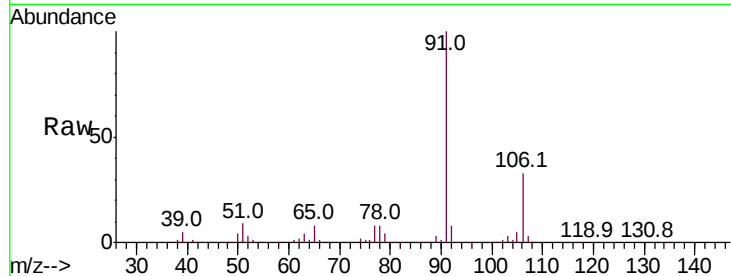
#67
Ethyl Benzene
Concen: 51.001 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 538371
Ion Ratio Lower Upper
91 100
106 32.5 26.2 39.2

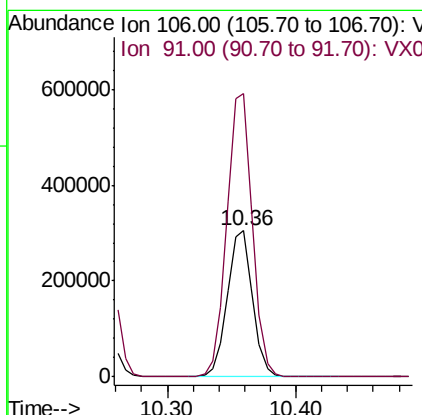
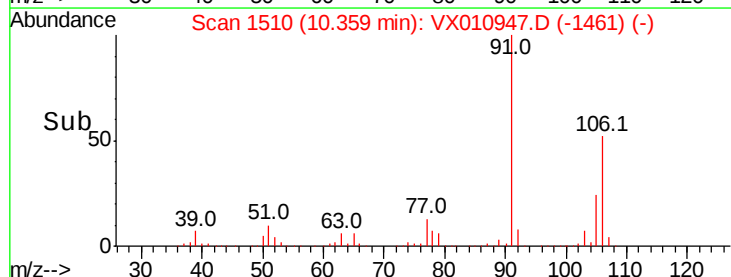
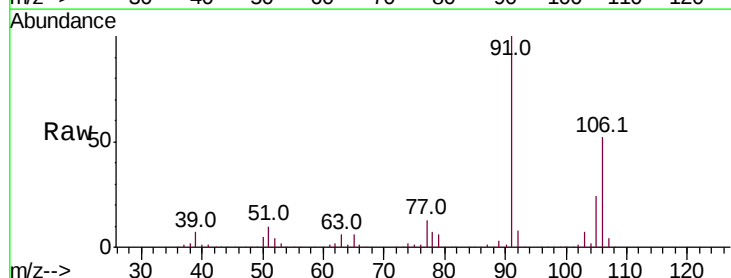
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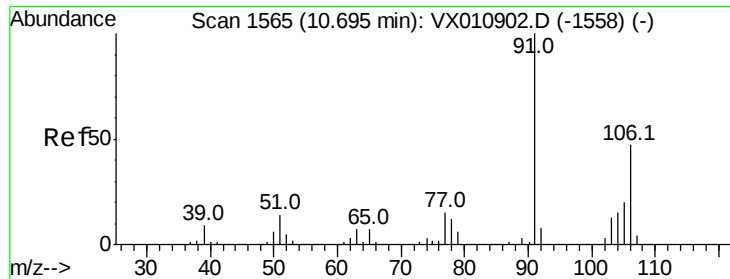
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#68
m/p-Xylenes
Concen: 102.933 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion: 106 Resp: 416799
Ion Ratio Lower Upper
106 100
91 197.2 155.3 232.9





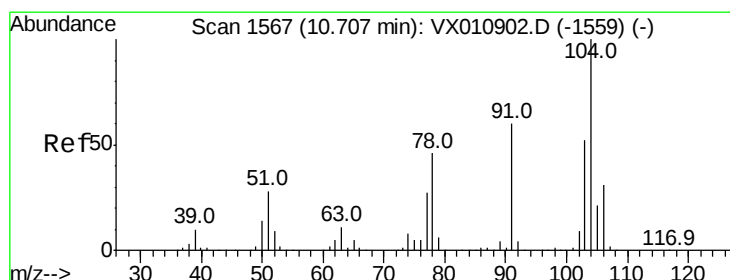
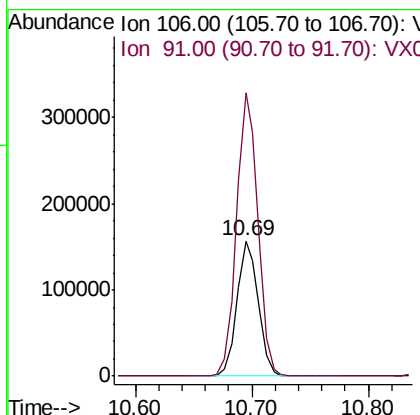
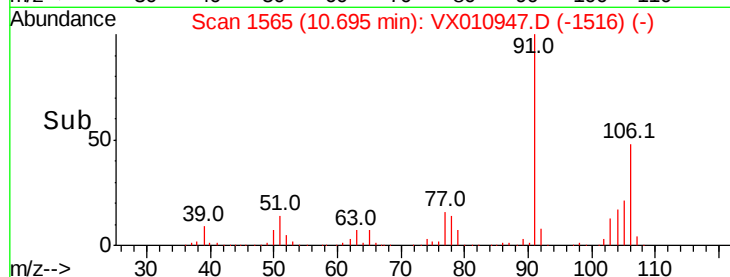
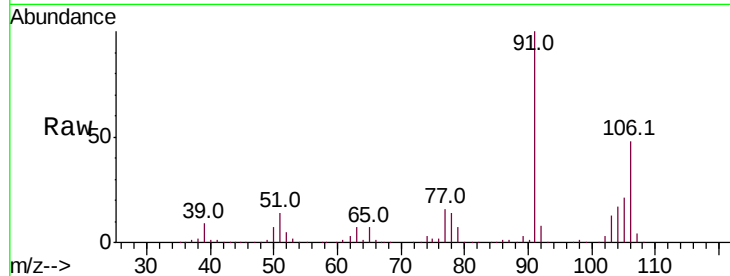
#69
o-Xylene
Concen: 50.456 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 199395
Ion Ratio Lower Upper
106 100
91 210.1 102.7 308.1

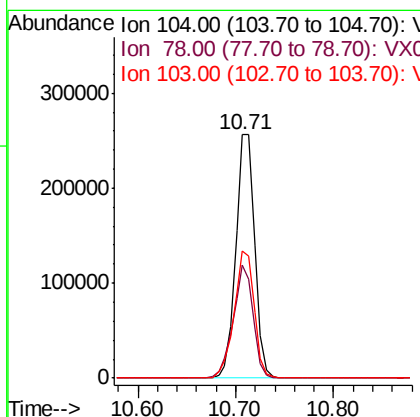
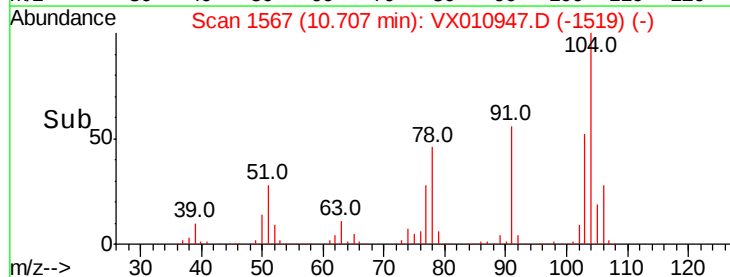
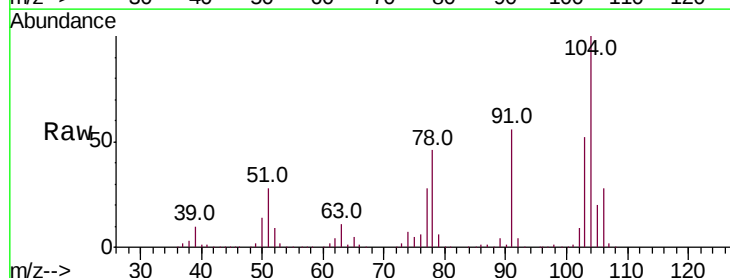
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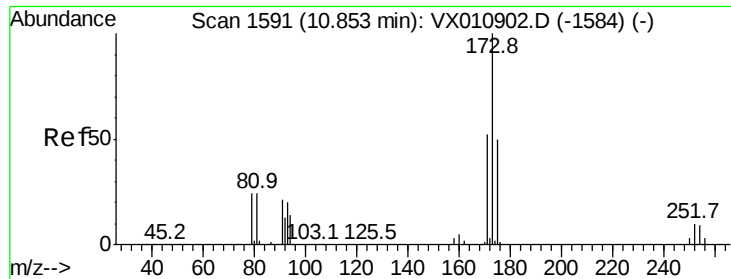
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#70
Styrene
Concen: 52.104 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion:104 Resp: 343243
Ion Ratio Lower Upper
104 100
78 48.6 36.2 54.2
103 55.8 44.2 66.4





#71

Bromoform

Concen: 46.710 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 92349

Ion Ratio Lower Upper

173 100

175 49.1 24.1 72.3

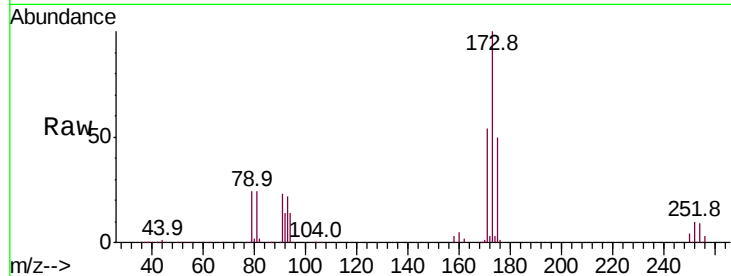
254 0.1 0.2 0.2#

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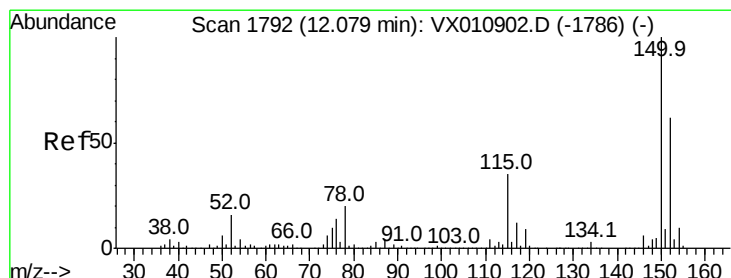
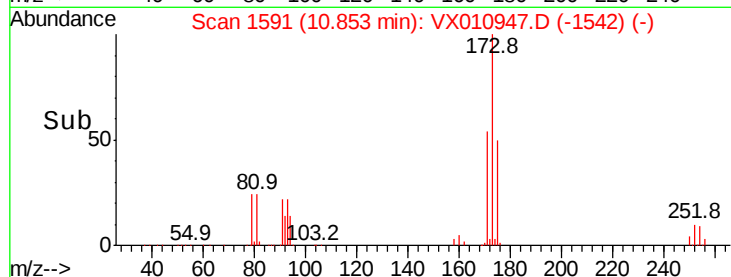
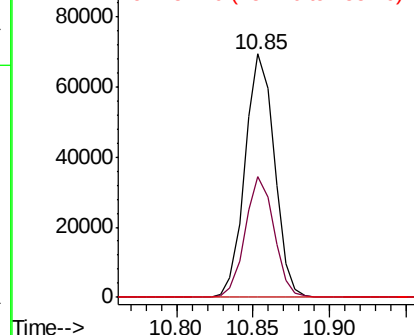
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

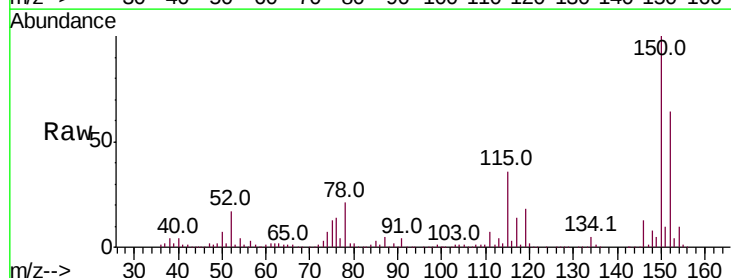
Tgt Ion:152 Resp: 161906

Ion Ratio Lower Upper

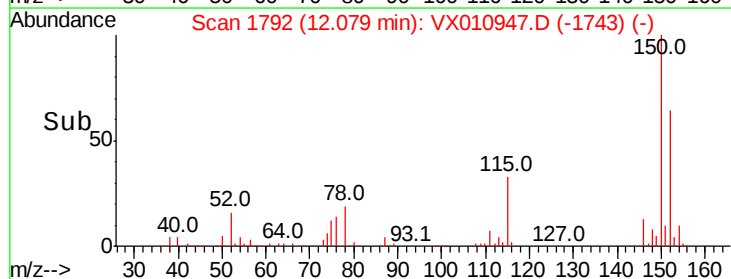
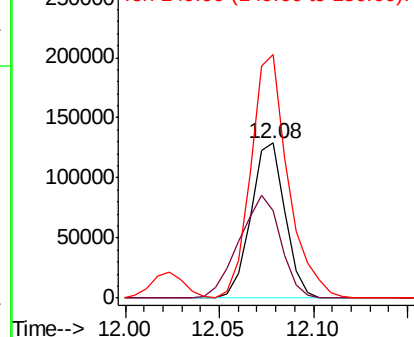
152 100

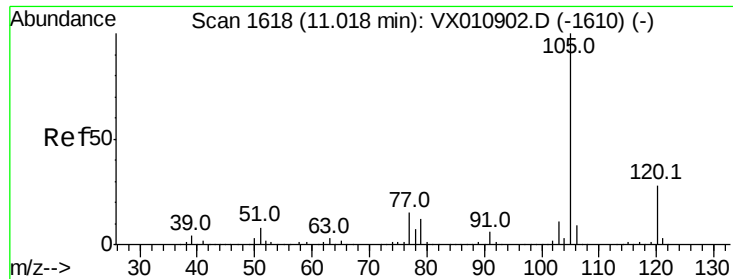
115 80.9 38.6 115.7

150 171.6 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.002 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 547021

Ion Ratio Lower Upper

105 100

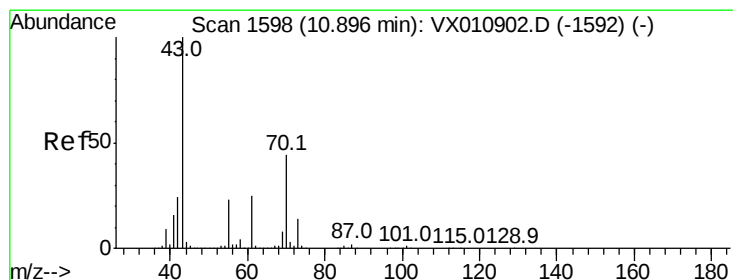
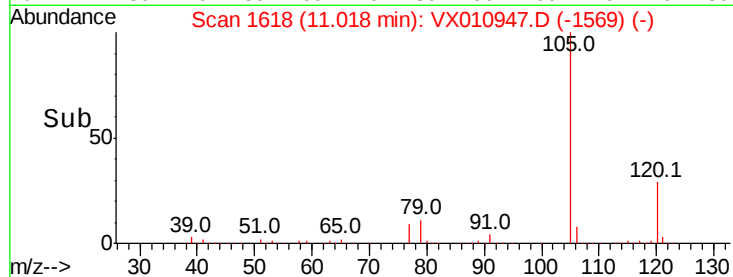
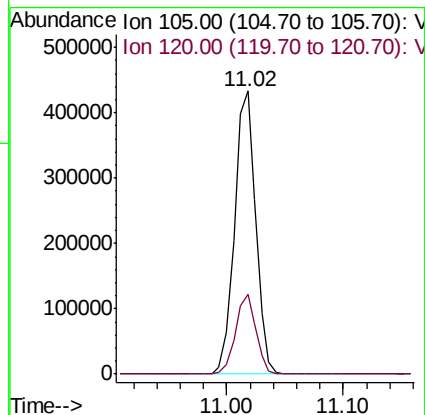
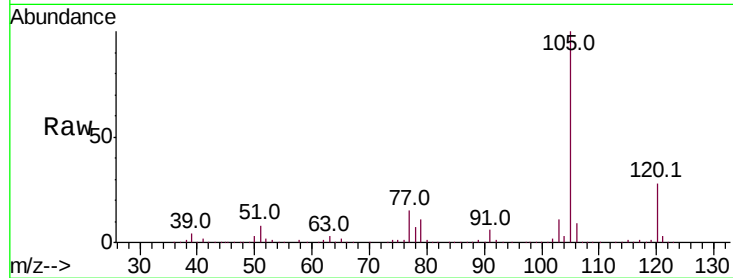
120 27.3 14.1 42.4

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#74

N-ethyl acetate

Concen: 49.241 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Tgt Ion: 43 Resp: 205829

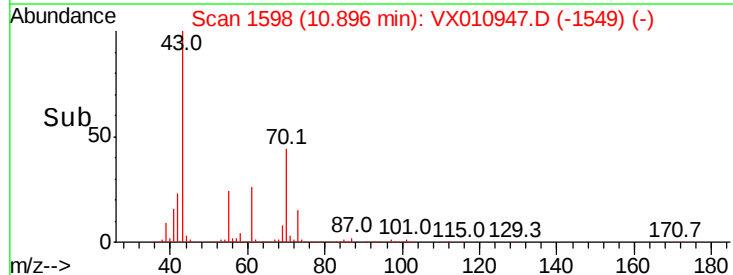
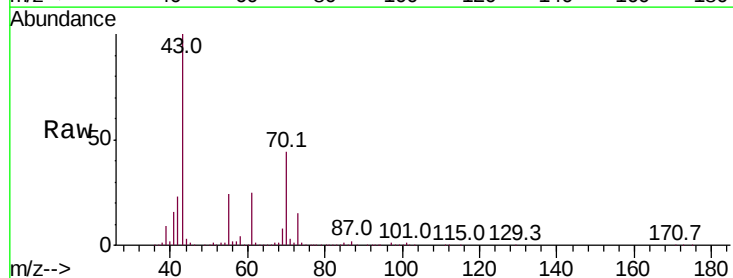
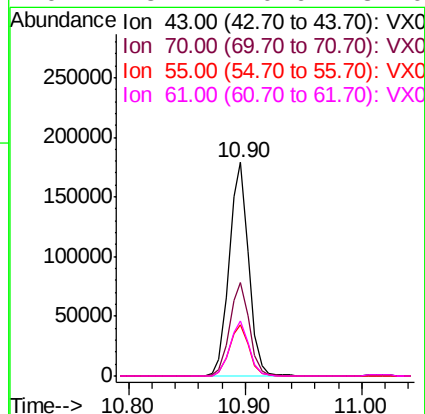
Ion Ratio Lower Upper

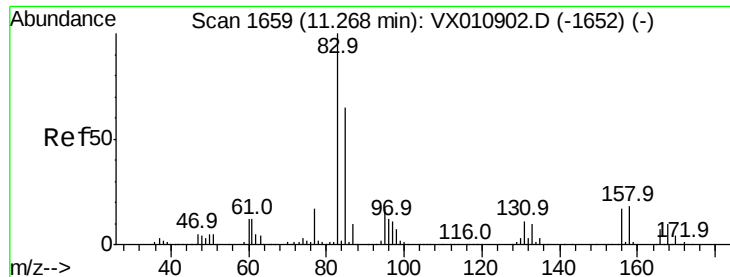
43 100

70 44.3 36.6 54.8

55 24.4 18.7 28.1

61 25.1 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.087 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

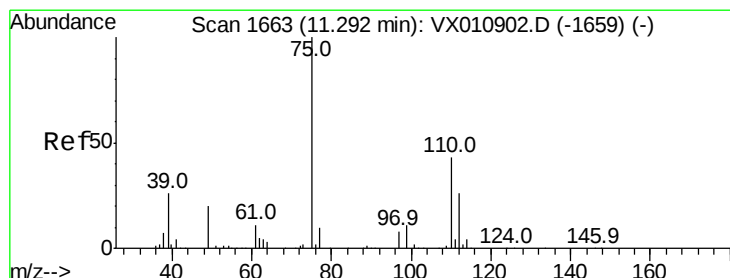
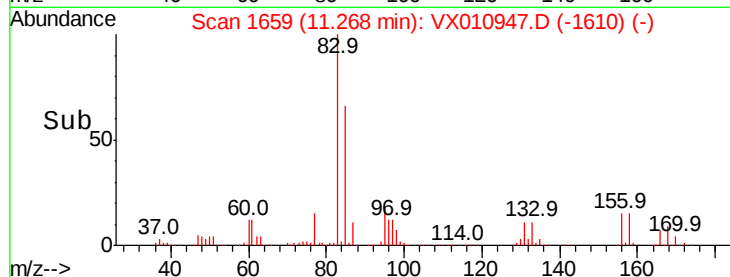
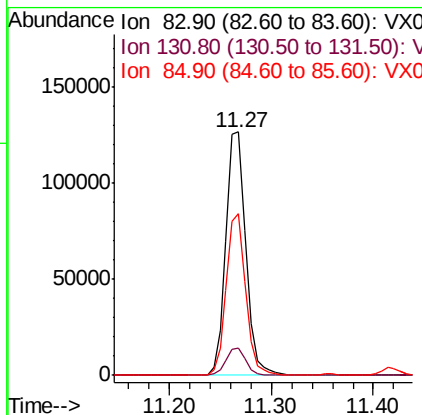
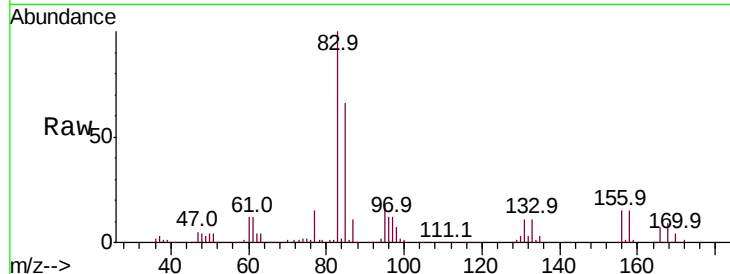
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	172158
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	64.5	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 48.452 ug/l m

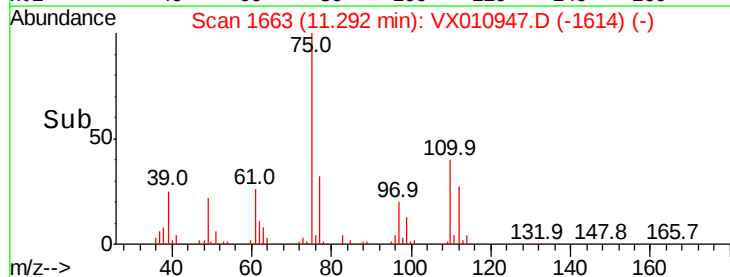
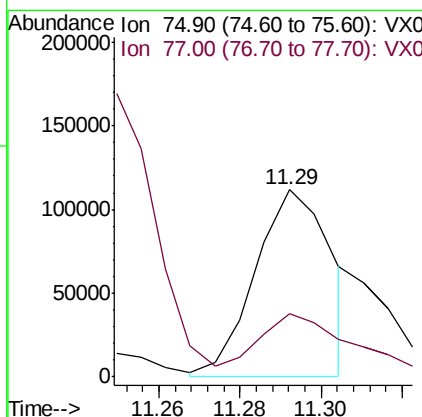
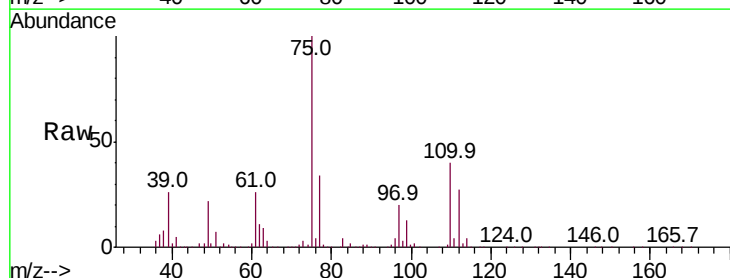
RT: 11.29 min Scan# 1663

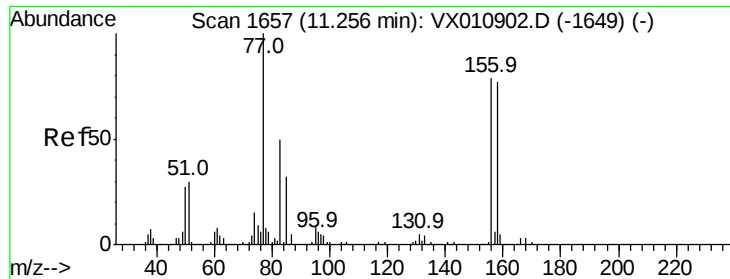
Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Tgt Ion:	75	Resp:	145455
Ion Ratio	Lower	Upper	
75	100		
77	42.5	22.6	67.8





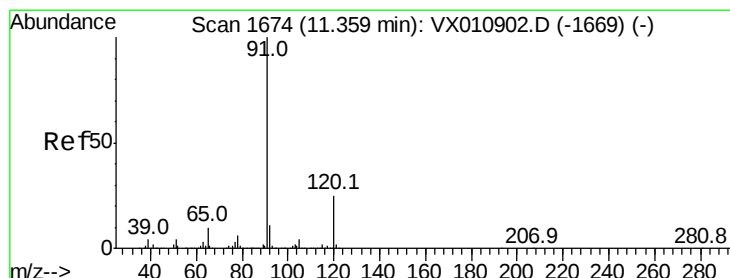
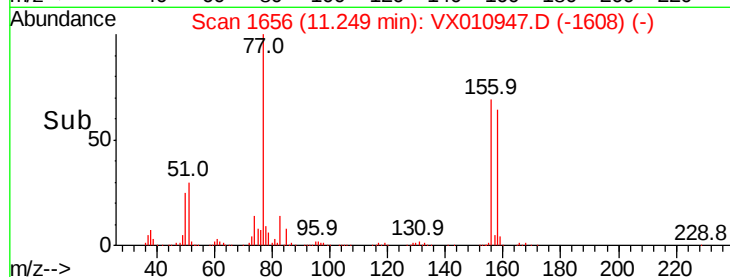
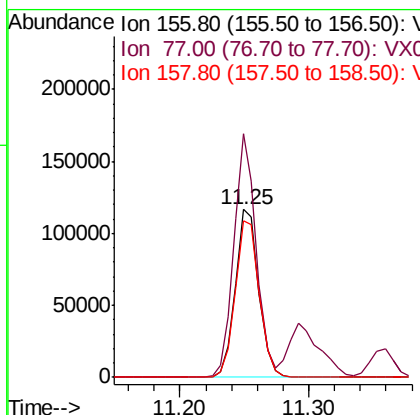
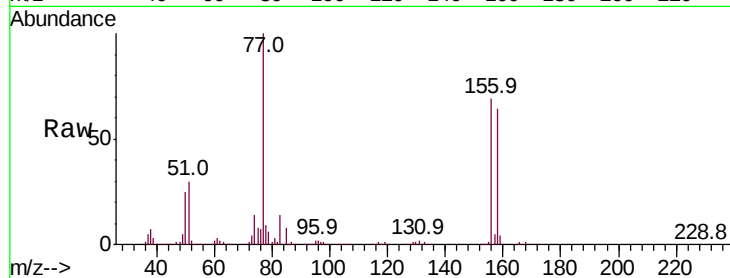
#77
Bromobenzene
Concen: 48.791 ug/l
RT: 11.25 min Scan# 1656
Delta R.T. -0.01 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	138.5	66.3	198.7
158	96.1	48.9	146.7

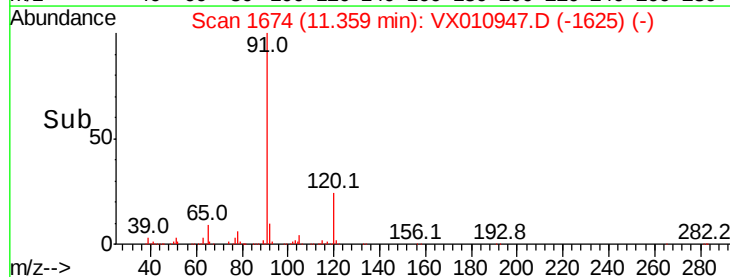
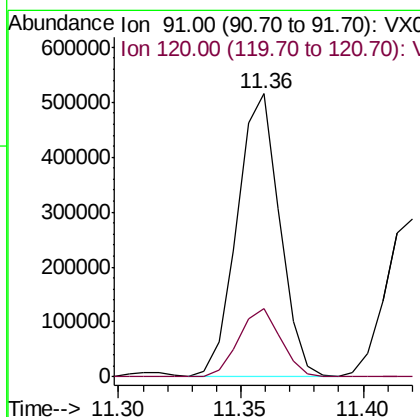
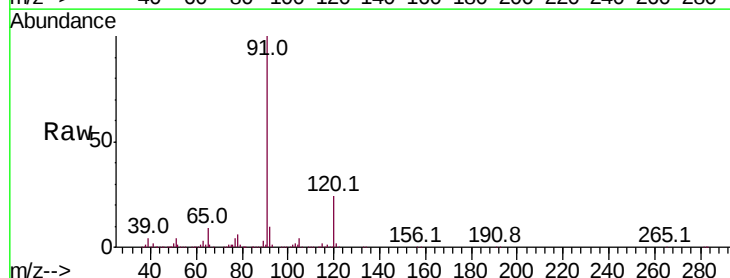
Manual Integrations
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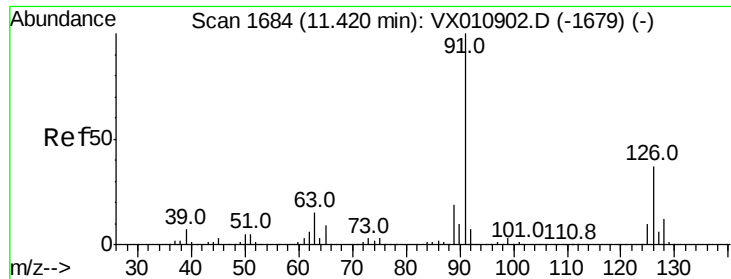
MMDadoda
7/22/2019 12:03:20 PM



#78
n-propylbenzene
Concen: 51.411 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.4	37.4





#79

2-Chlorotoluene

Concen: 49.648 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 360517

Ion Ratio Lower Upper

91 100

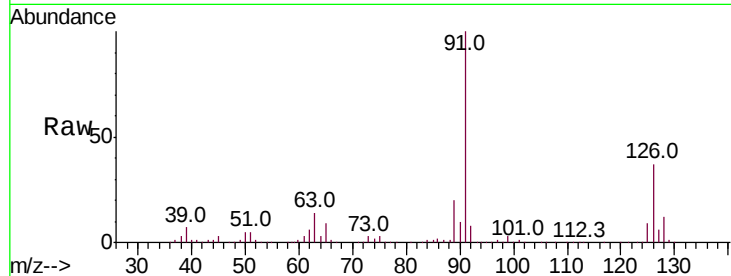
126 36.4 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX010902.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010902.D (-1679) (-)

600000

500000

400000

300000

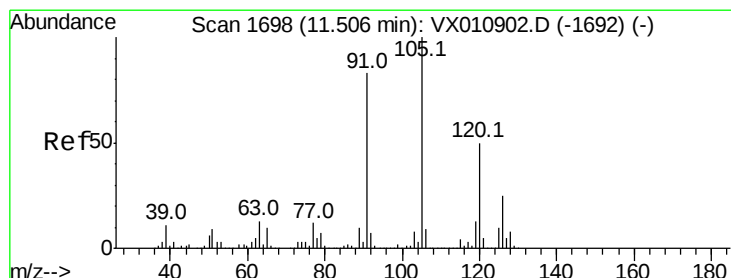
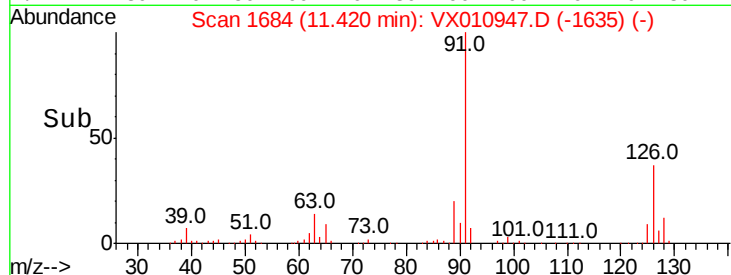
200000

100000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.800 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010947.D

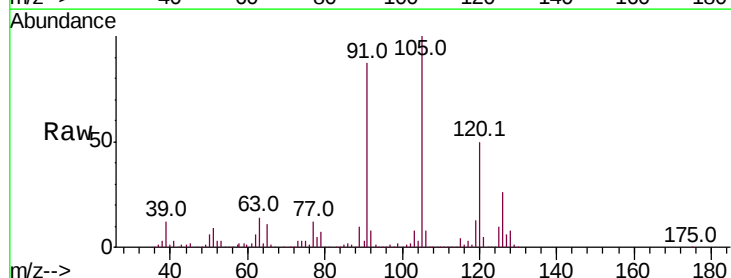
Acq: 18 Jul 2019 10:27

Tgt Ion: 105 Resp: 464385

Ion Ratio Lower Upper

105 100

120 49.4 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010902.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010902.D (-1692) (-)

400000

300000

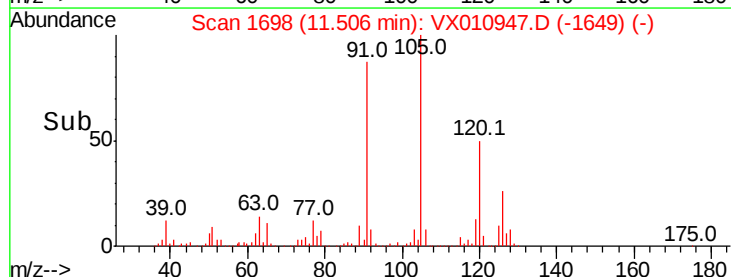
200000

100000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 45.517 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

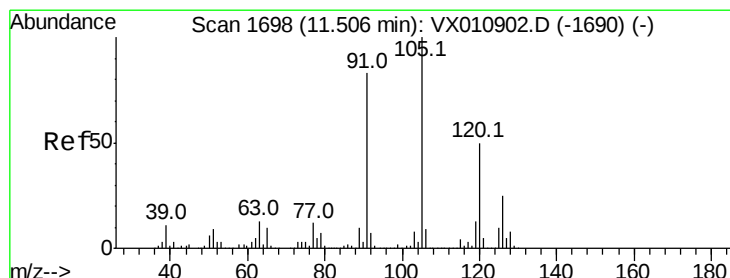
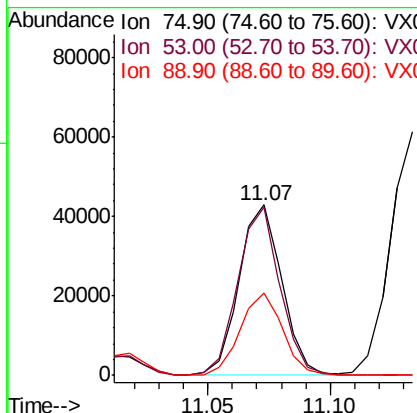
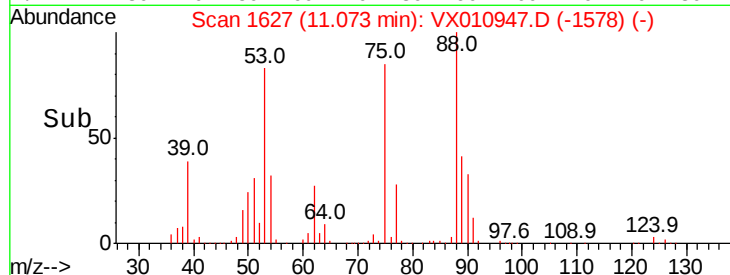
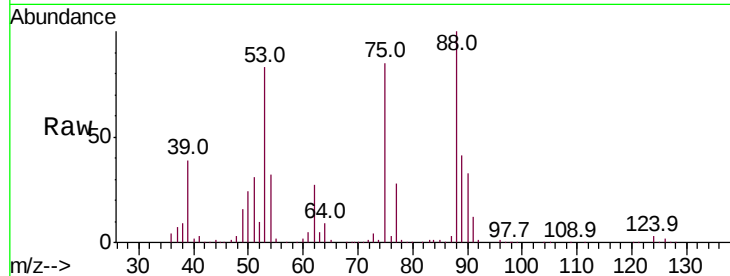
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	52043
Ion Ratio	Lower	Upper	
75	100		
53	96.9	66.1	99.1
89	48.1	37.8	56.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.276 ug/l

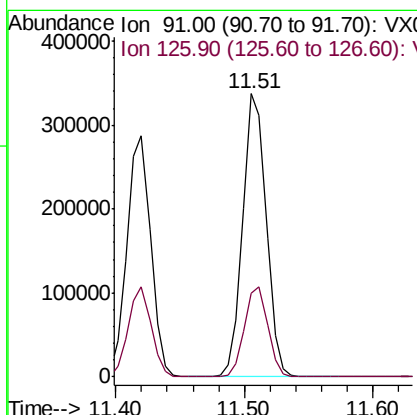
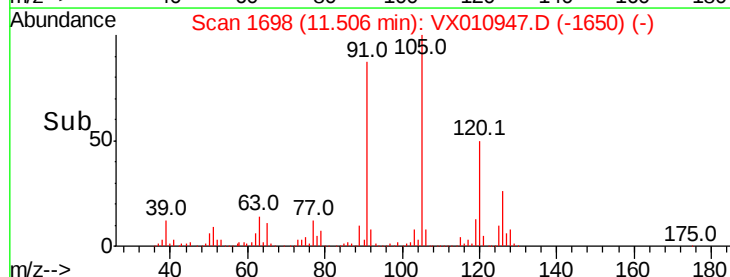
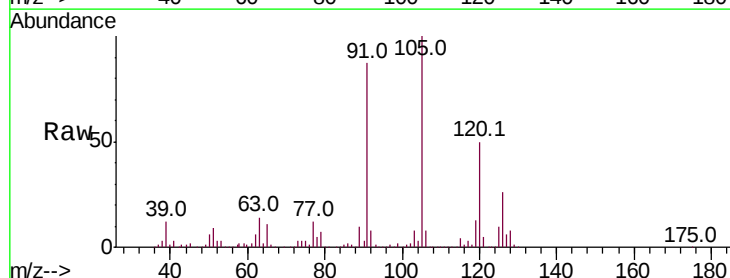
RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Tgt Ion:	91	Resp:	424905
Ion Ratio	Lower	Upper	
91	100		
126	31.7	16.2	48.6





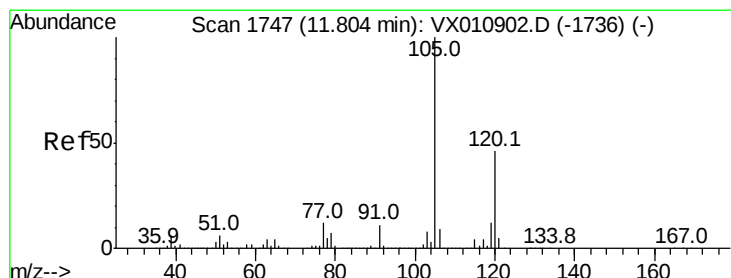
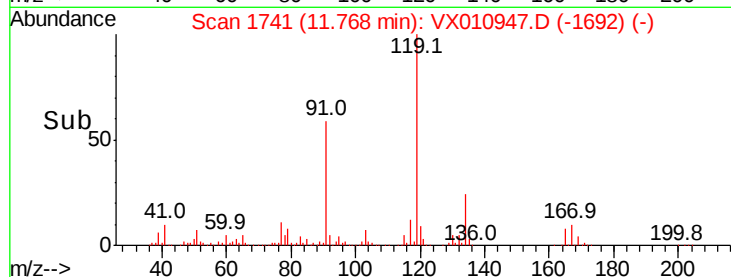
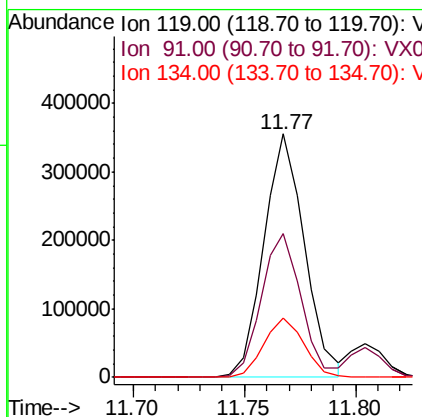
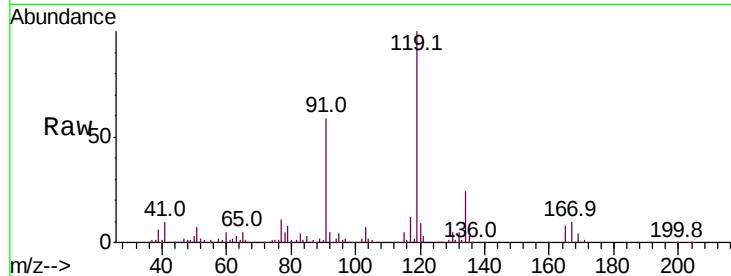
#83
tert-Butylbenzene
Concen: 50.148 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	450289		
91	58.4		27.6	82.7
134	24.0		11.8	35.4

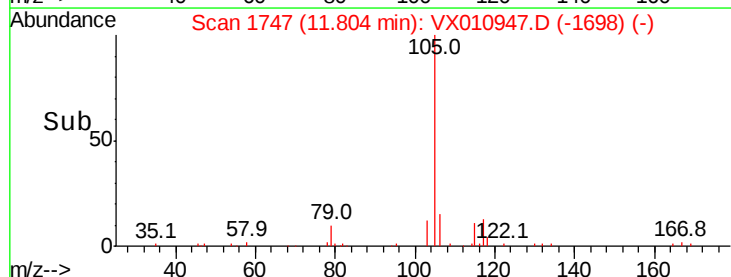
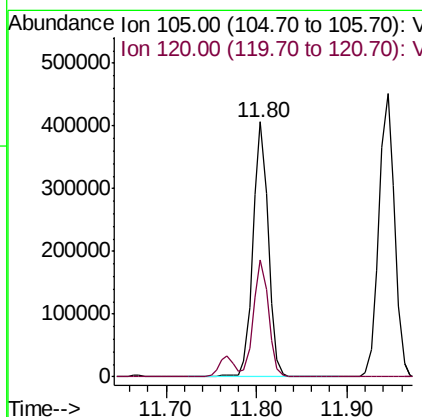
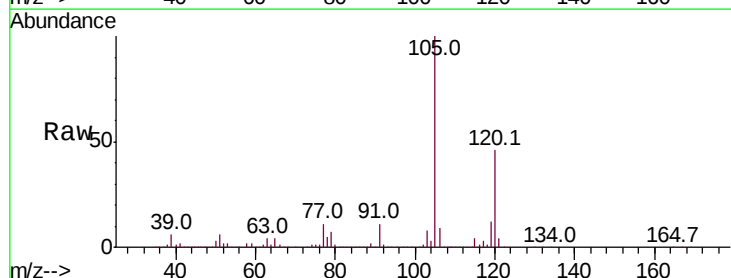
Manual Integrations
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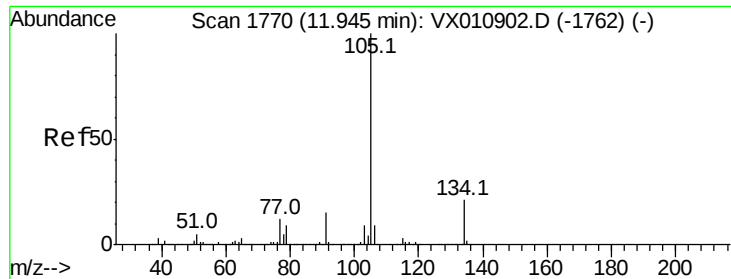
MMDadoda
7/22/2019 12:03:20 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.195 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	471693		
120	45.5		23.1	69.2





#85

sec-Butylbenzene

Concen: 51.486 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 541697

Ion Ratio Lower Upper

105 100

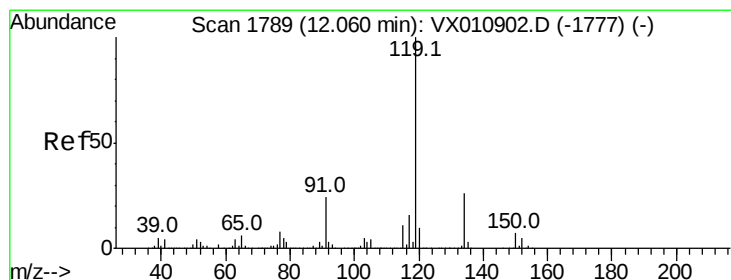
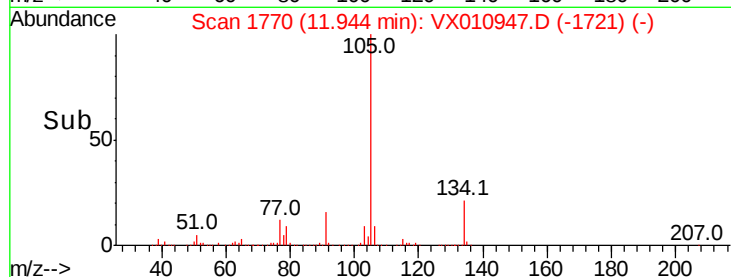
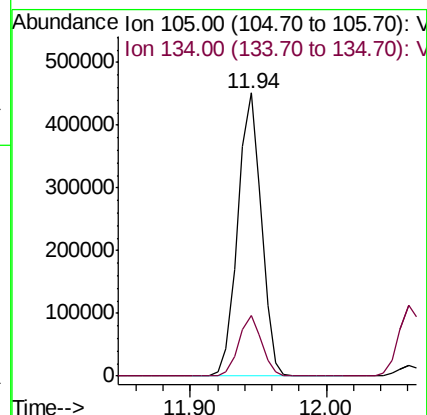
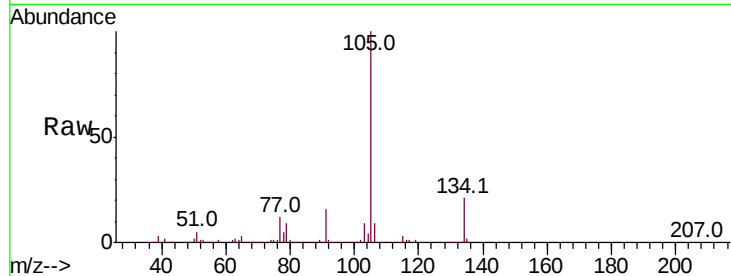
134 20.9 10.7 31.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.297 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

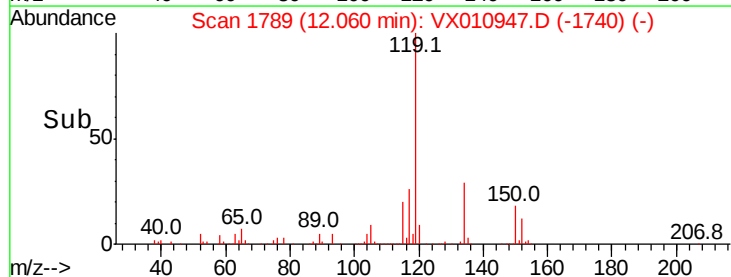
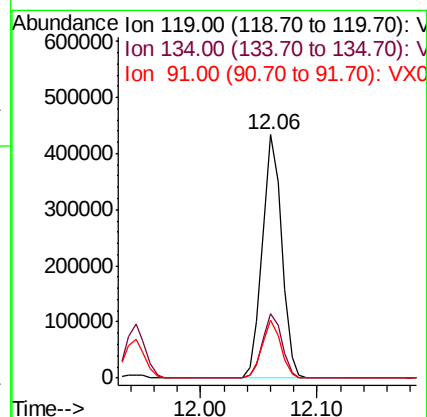
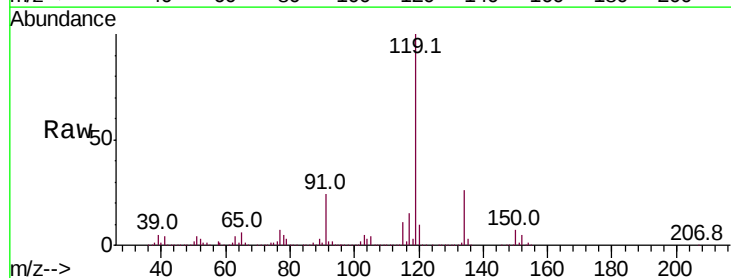
Tgt Ion:119 Resp: 508689

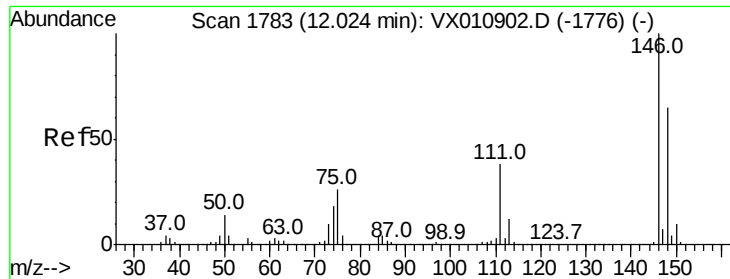
Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.1

91 23.2 11.3 33.8





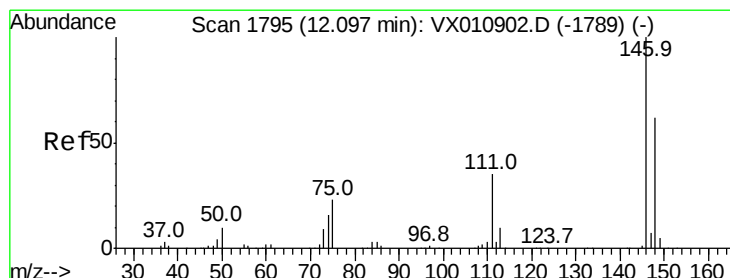
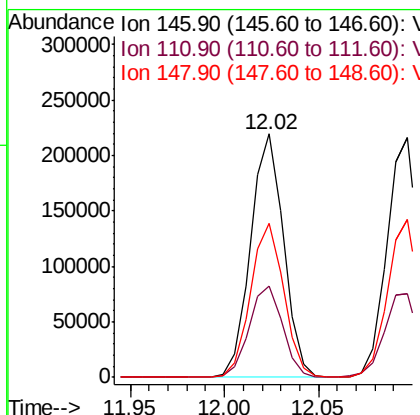
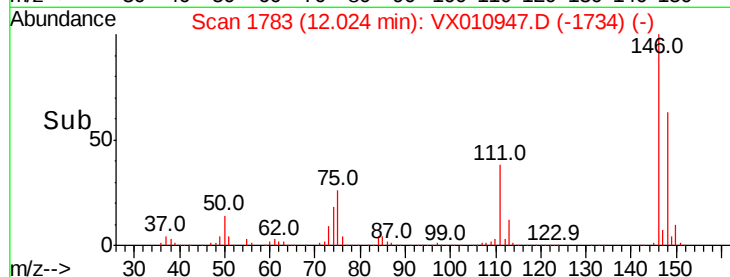
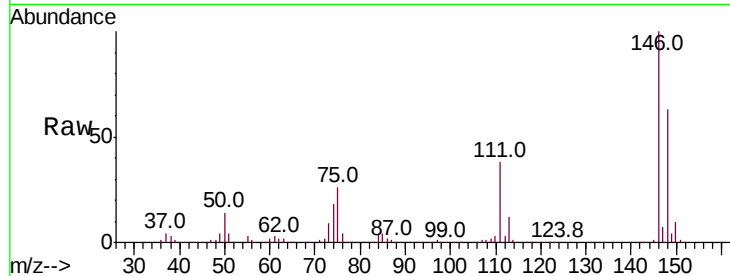
#87
 1,3-Dichlorobenzene
 Concen: 50.885 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010947.D
 Acq: 18 Jul 2019 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	63.4	32.5	97.4

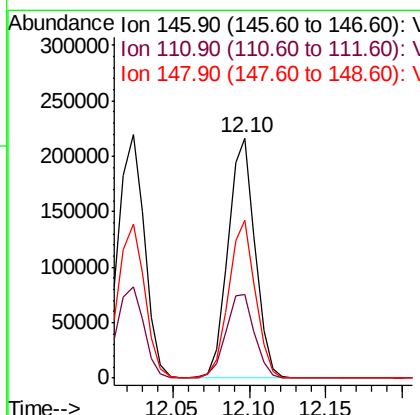
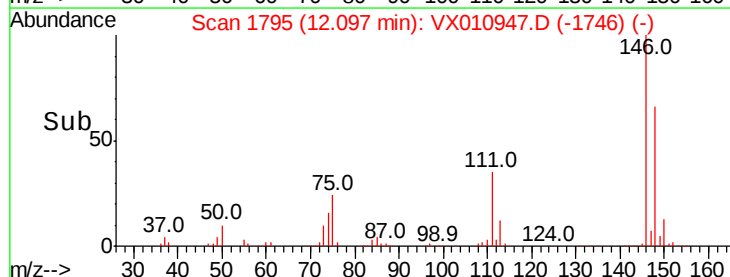
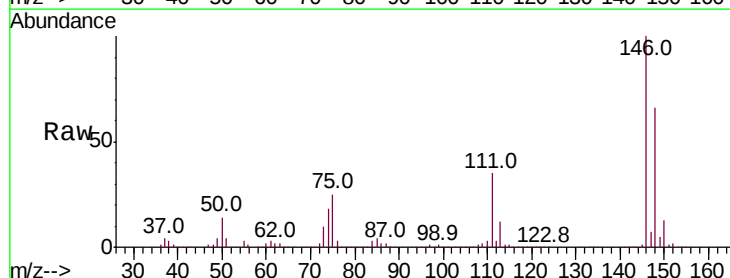
Manual Integrations
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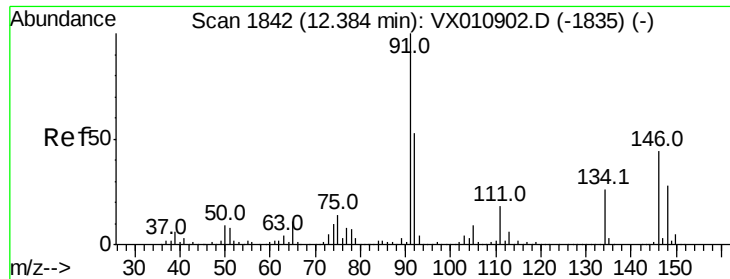
MMDadoda
 7/22/2019 12:03:20 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.081 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010947.D
 Acq: 18 Jul 2019 10:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.3
148	65.4	32.1	96.3





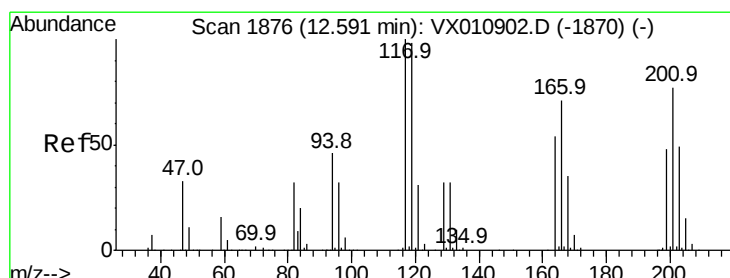
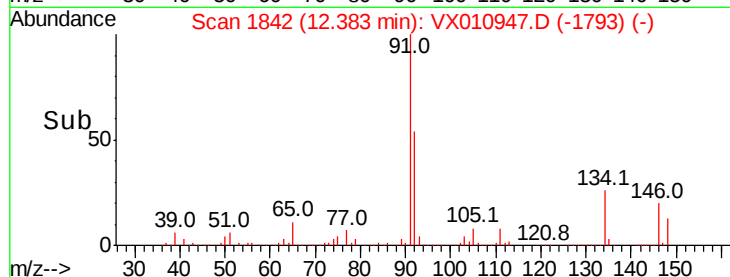
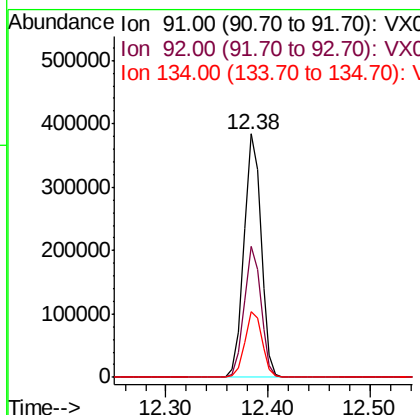
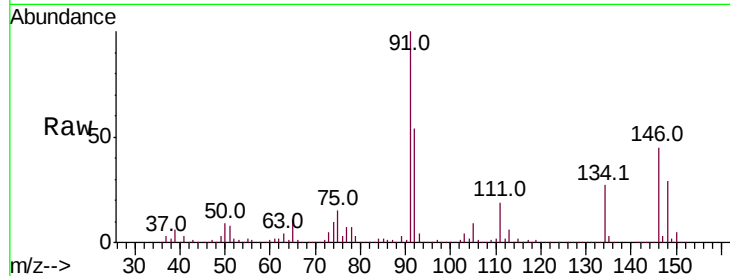
#89
n-Butylbenzene
Concen: 53.448 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.2	78.5
134	27.5	14.1	42.4

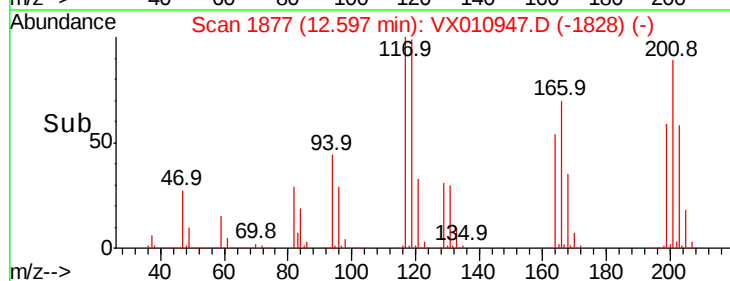
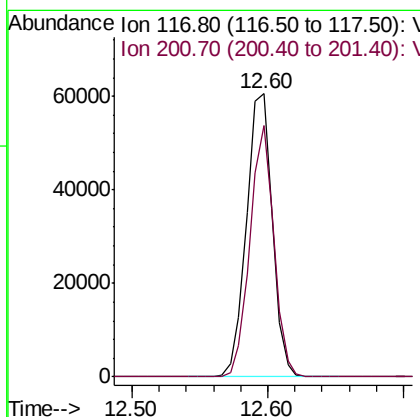
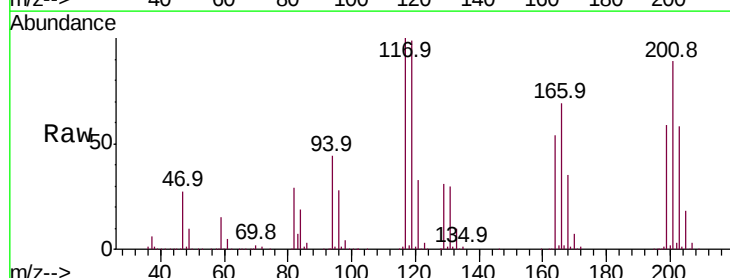
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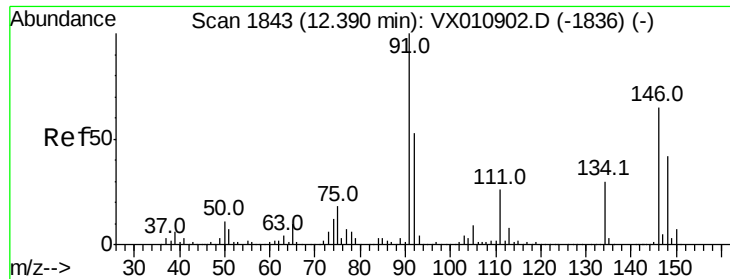
MMDadoda
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#90
Hexachloroethane
Concen: 52.785 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	44.0	131.8





#91

1,2-Dichlorobenzene

Concen: 49.754 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 258229

Ion Ratio Lower Upper

146 100

111 40.0 19.2 57.6

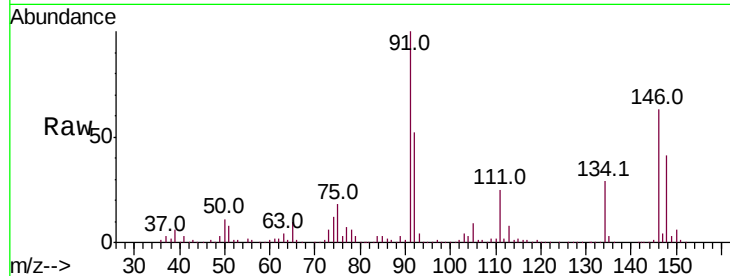
148 63.7 32.0 96.0

Manual Integrations

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MMDadoda

7/22/2019 12:03:20 PM

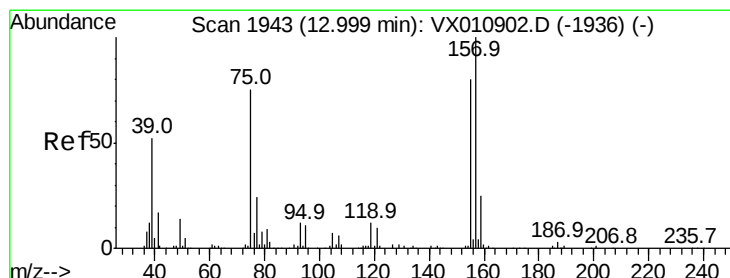
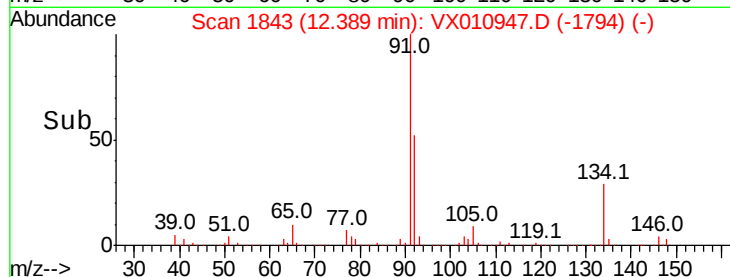
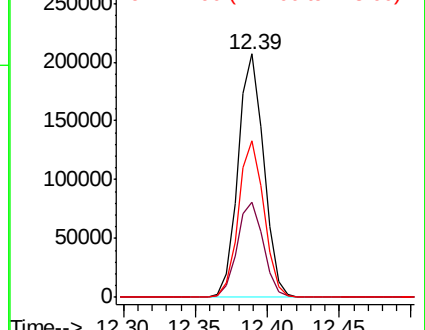


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.198 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010947.D

Acq: 18 Jul 2019 10:27

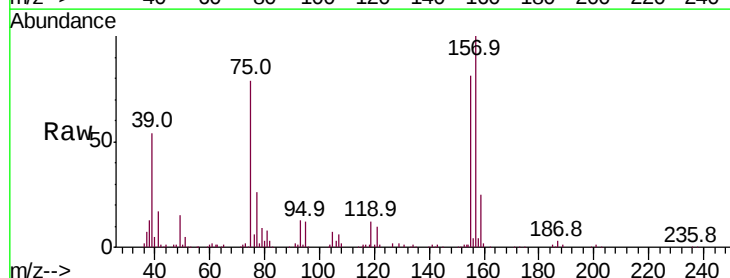
Tgt Ion: 75 Resp: 36070

Ion Ratio Lower Upper

75 100

155 98.2 54.4 163.1

157 125.1 69.5 208.3

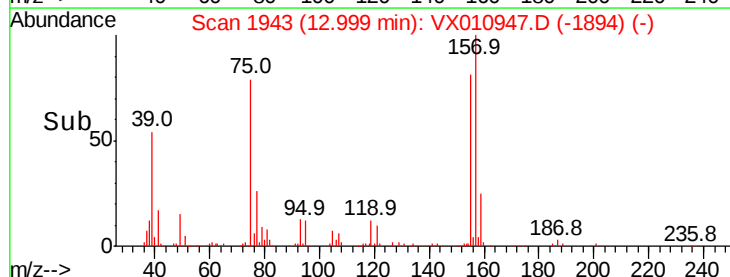
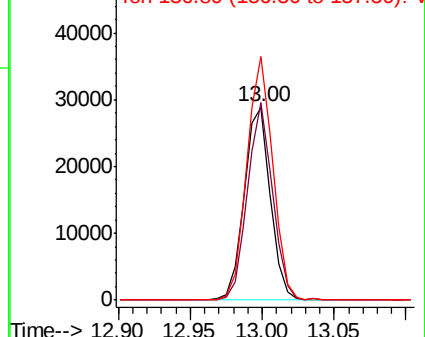


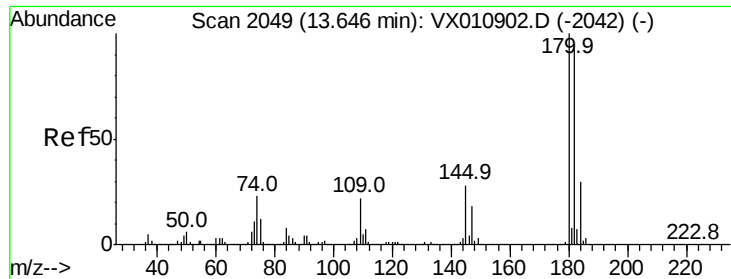
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





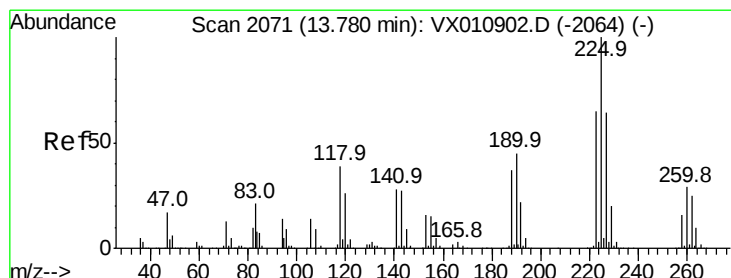
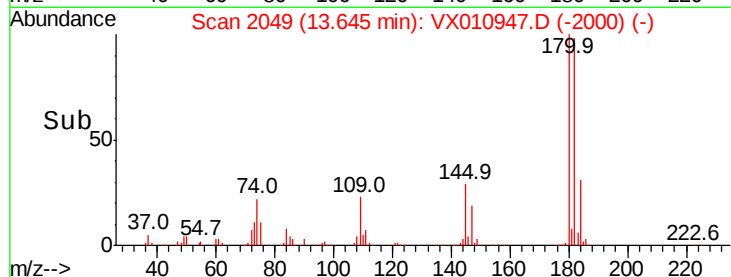
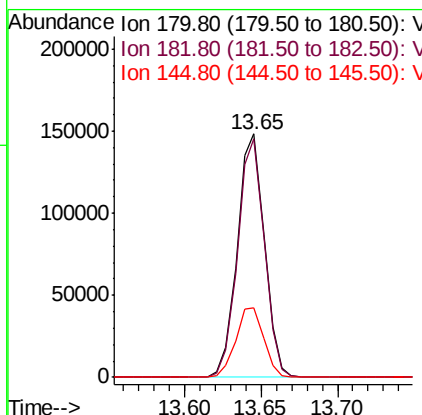
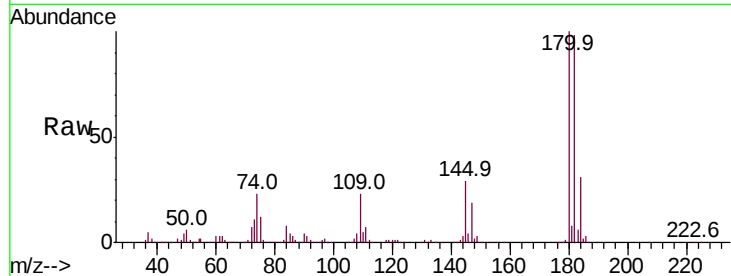
#93
 1,2,4-Trichlorobenzene
 Concen: 51.716 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010947.D
 Acq: 18 Jul 2019 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	181905
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.0	144.0
145	29.7	14.4	43.4

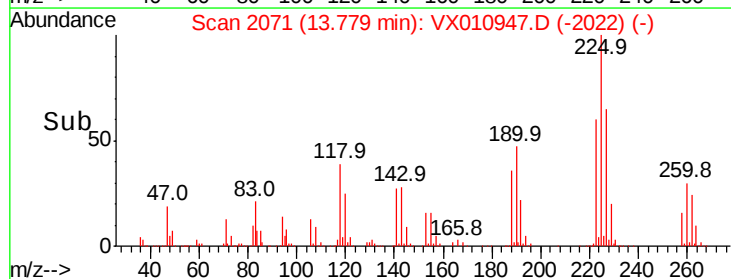
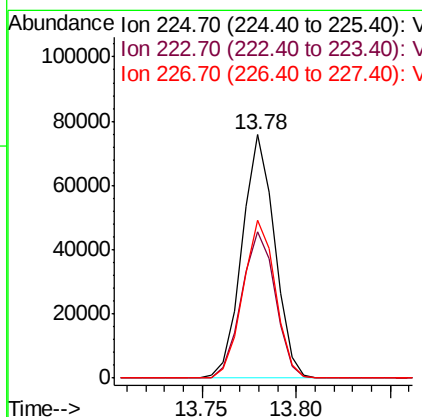
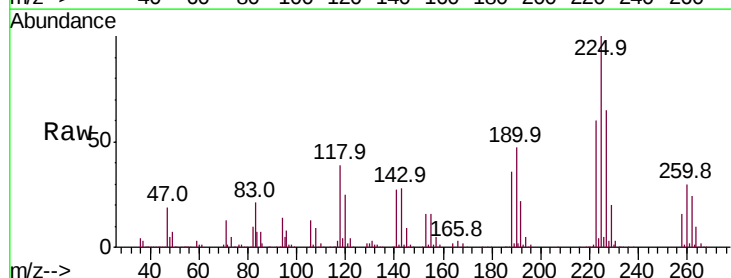
Manual Integrations
 APPROVED

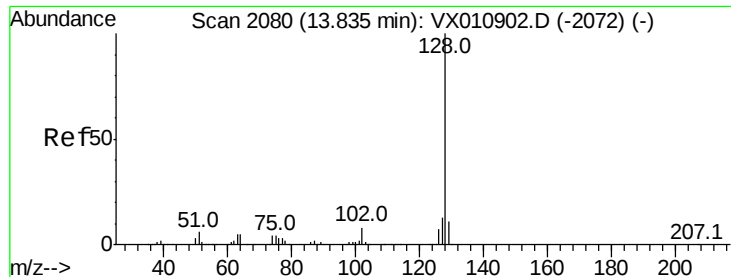
MMDadoda
 7/22/2019 12:03:20 PM



#94
 Hexachlorobutadiene
 Concen: 51.935 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010947.D
 Acq: 18 Jul 2019 10:27

Tgt Ion:	225	Resp:	90525
Ion Ratio	Lower	Upper	
225	100		
223	62.5	30.9	92.7
227	64.9	31.9	95.5





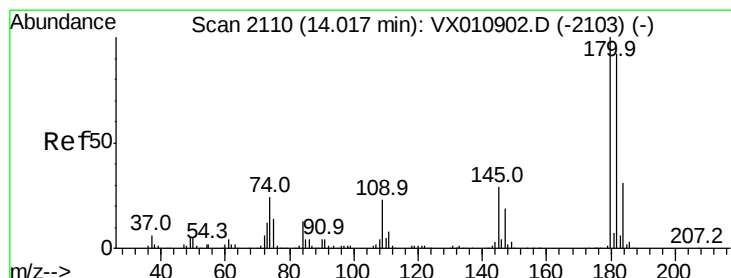
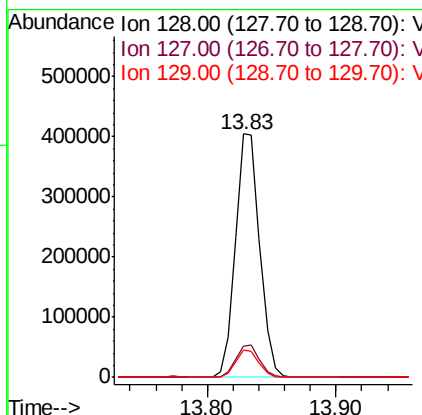
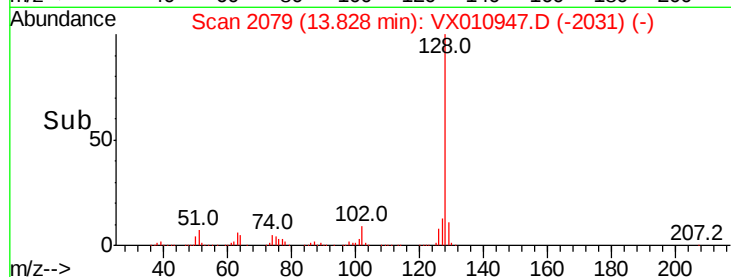
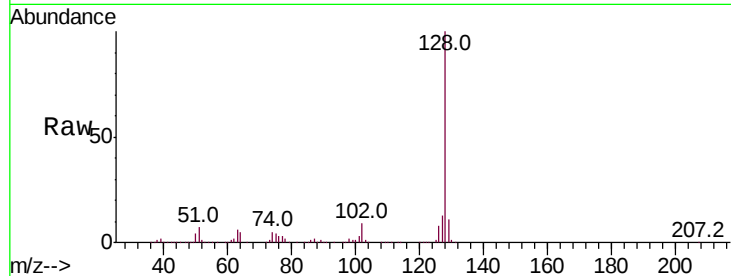
#95
Naphthalene
Concen: 51.007 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/22/2019 12:03:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.994 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010947.D
Acq: 18 Jul 2019 10:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.8	143.3
145	31.0	15.2	45.6

