

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070219\
 Data File : VX010631.D
 Acq On : 02 Jul 2019 20:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 9:30:00 AM

Quant Time: Jul 03 04:11:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	218449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	324800	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	301328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158014	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	110827	54.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.22%	
35) Dibromofluoromethane	5.50	113	107054	53.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.74%	
50) Toluene-d8	8.71	98	393295	51.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.46%	
62) 4-Bromofluorobenzene	11.13	95	149668	54.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	68791	45.295	ug/l	100
3) Chloromethane	1.32	50	74108	41.905	ug/l	98
4) Vinyl Chloride	1.41	62	85897	44.346	ug/l	98
5) Bromomethane	1.64	94	36814	39.012	ug/l	100
6) Chloroethane	1.71	64	59539	52.100	ug/l	97
7) Trichlorofluoromethane	1.92	101	158807	51.719	ug/l	99
8) Diethyl Ether	2.19	74	56939	51.708	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	91563	49.206	ug/l	99
10) Methyl Iodide	2.51	142	89747	33.795	ug/l	98
11) Tert butyl alcohol	3.05	59	134763	251.451	ug/l	99
12) 1,1-Dichloroethene	2.37	96	90667	47.884	ug/l	100
13) Acrolein	2.29	56	94624	266.149	ug/l	99
14) Allyl chloride	2.73	41	134840	50.160	ug/l	98
15) Acrylonitrile	3.14	53	282286	266.031	ug/l	100
16) Acetone	2.45	43	225562	219.742	ug/l	98
17) Carbon Disulfide	2.57	76	206043	40.560	ug/l	98
18) Methyl Acetate	2.78	43	112878	55.174	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	312215	52.414	ug/l	99
20) Methylene Chloride	2.85	84	106616	50.470	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	95868	47.076	ug/l	98
22) Diisopropyl ether	3.86	45	296752	52.799	ug/l	89
23) Vinyl Acetate	3.81	43	1304942	268.761	ug/l	98
24) 1,1-Dichloroethane	3.70	63	167976	51.704	ug/l	99
25) 2-Butanone	4.67	43	381490	253.360	ug/l	99
26) 2,2-Dichloropropane	4.58	77	120085	42.550	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	118291	50.267	ug/l	99
28) Bromochloromethane	5.01	49	77111	49.643	ug/l	95
29) Tetrahydrofuran	5.13	42	243673	261.268	ug/l	99
30) Chloroform	5.21	83	181967	52.057	ug/l	99
31) Cyclohexane	5.58	56	141379	47.788	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	159430	51.654	ug/l	99
36) 1,1-Dichloropropene	5.80	75	126435	48.986	ug/l	99
37) Ethyl Acetate	4.84	43	143604	54.083	ug/l	99
38) Carbon Tetrachloride	5.79	117	137400	49.161	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	157336	46.375	ug/l	97
40) Benzene	6.14	78	405380	50.413	ug/l	98
41) Methacrylonitrile	5.04	41	80160	55.021	ug/l	97
42) 1,2-Dichloroethane	6.19	62	134477	54.939	ug/l	98
43) Isopropyl Acetate	6.45	43	234164	53.303	ug/l	98
44) Trichloroethene	7.21	130	117325	48.761	ug/l	100
45) 1,2-Dichloropropane	7.51	63	104140	51.285	ug/l	97
46) Dibromomethane	7.66	93	75103	51.549	ug/l	97
47) Bromodichloromethane	7.90	83	139646	52.302	ug/l	99
48) Methyl methacrylate	7.77	41	113132	55.403	ug/l	99
49) 1,4-Dioxane	7.74	88	59756	1015.844	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	782177	278.389	ug/l	98
52) Toluene	8.78	92	266312	50.291	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	150494	50.275	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	163789	50.350	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	114399	52.382	ug/l	99
56) Ethyl methacrylate	9.18	69	177273	53.583	ug/l	97
57) 1,3-Dichloropropane	9.37	76	179944	53.079	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	388047	246.970	ug/l	99
59) 2-Hexanone	9.49	43	604131	273.202	ug/l	98
60) Dibromochloromethane	9.58	129	124701	50.997	ug/l	99
61) 1,2-Dibromoethane	9.67	107	122878	52.127	ug/l	99
64) Tetrachloroethene	9.34	164	108377	44.467	ug/l	99
65) Chlorobenzene	10.13	112	304643	49.798	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	113865	51.099	ug/l	99
67) Ethyl Benzene	10.25	91	523230	50.663	ug/l	98
68) m/p-Xylenes	10.36	106	404990	101.203	ug/l	98
69) o-Xylene	10.69	106	200567	50.966	ug/l	100
70) Styrene	10.71	104	345000	52.275	ug/l	99
71) Bromoform	10.85	173	96784	49.945	ug/l #	100
73) Isopropylbenzene	11.02	105	530233	49.502	ug/l	98
74) N-amyl acetate	10.90	43	218553	53.989	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	184779	52.090	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	150226m	52.172	ug/l	
77) Bromobenzene	11.26	156	145399	48.613	ug/l	97
78) n-propylbenzene	11.36	91	598629	50.851	ug/l	99
79) 2-Chlorotoluene	11.42	91	355133	50.660	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	451303	51.109	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	54646	44.274	ug/l	94
82) 4-Chlorotoluene	11.51	91	410732	51.491	ug/l	100
83) tert-Butylbenzene	11.77	119	450247	50.802	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	456719	51.481	ug/l	100
85) sec-Butylbenzene	11.94	105	530071	50.938	ug/l	100
86) p-Isopropyltoluene	12.06	119	489980	50.905	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	261518	50.091	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	262013	49.296	ug/l	99
89) n-Butylbenzene	12.38	91	419885	51.336	ug/l	99
90) Hexachloroethane	12.60	117	80584	48.418	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	258105	49.742	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38285	50.057	ug/l	92

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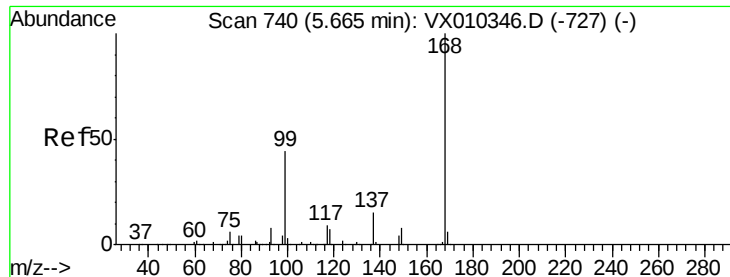
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	179954	50.009	ug/l	99
94) Hexachlorobutadiene	13.78	225	85044	48.357	ug/l	99
95) Naphthalene	13.83	128	568343	51.396	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	181448	50.716	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 218449

Ion Ratio Lower Upper

168 100

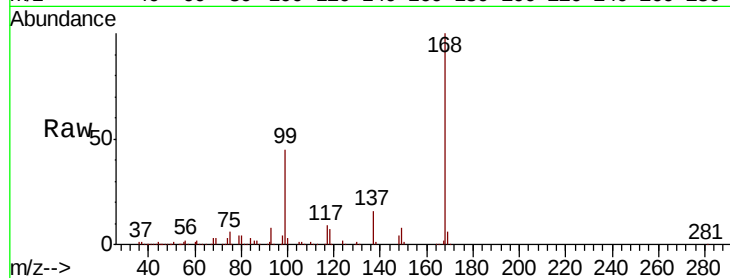
99 45.0 35.5 53.3

Manual Integrations

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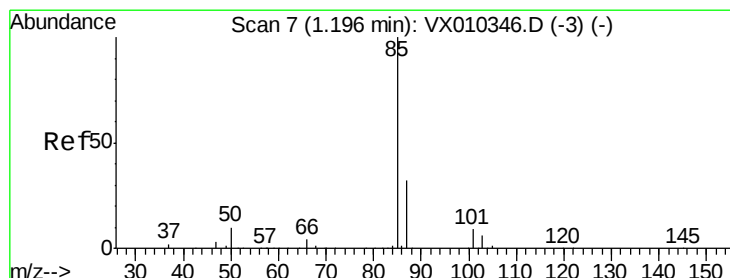
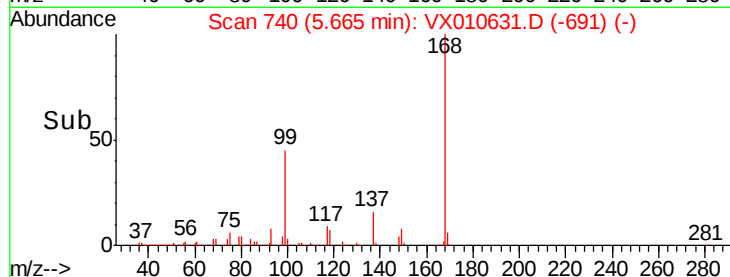
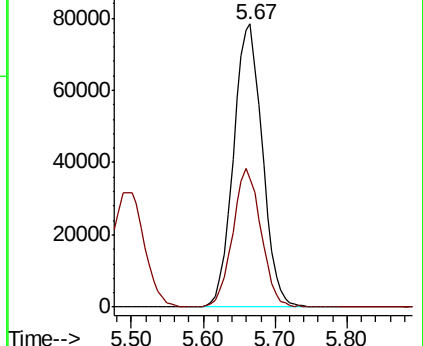
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 45.295 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010631.D

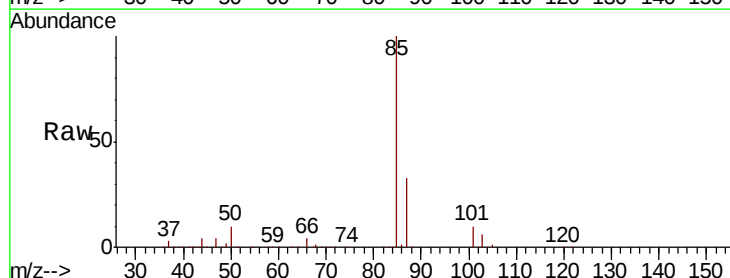
Acq: 02 Jul 2019 20:41

Tgt Ion: 85 Resp: 68791

Ion Ratio Lower Upper

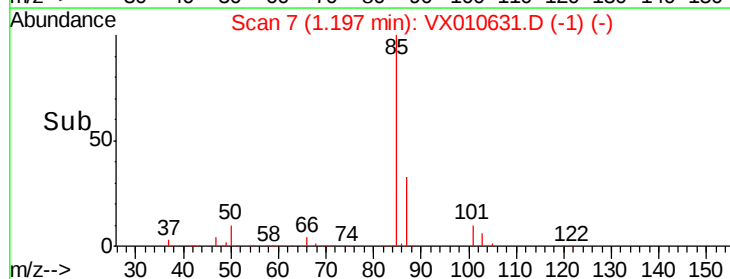
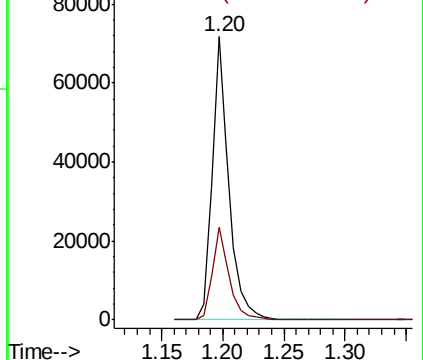
85 100

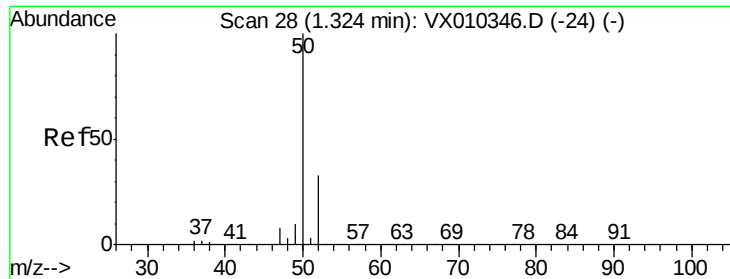
87 32.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 41.905 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 74108

Ion Ratio Lower Upper

50 100

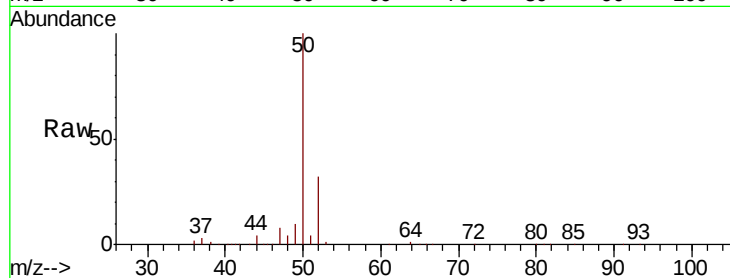
52 32.1 26.5 39.7

Manual Integrations

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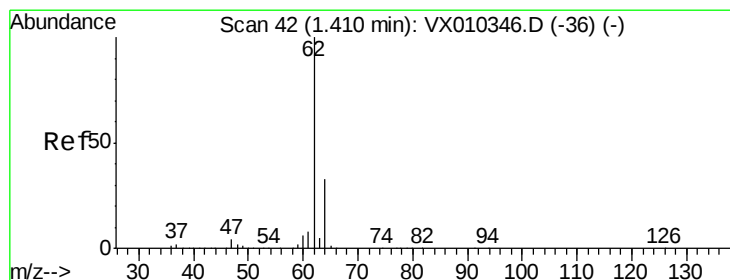
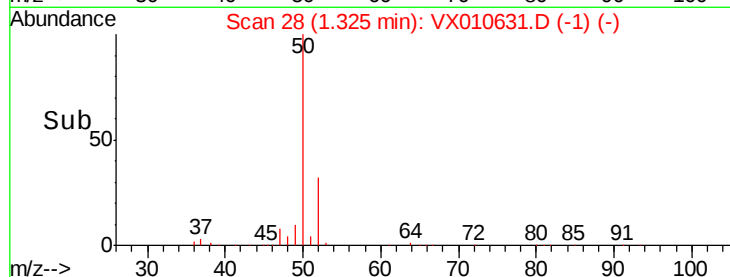
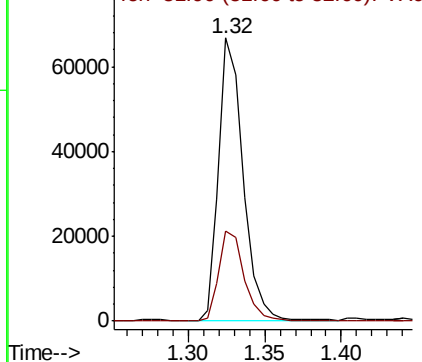
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.346 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010631.D

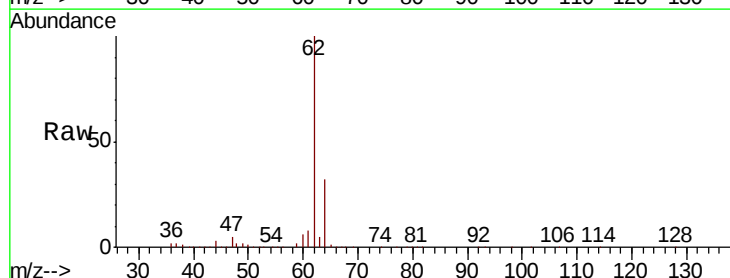
Acq: 02 Jul 2019 20:41

Tgt Ion: 62 Resp: 85897

Ion Ratio Lower Upper

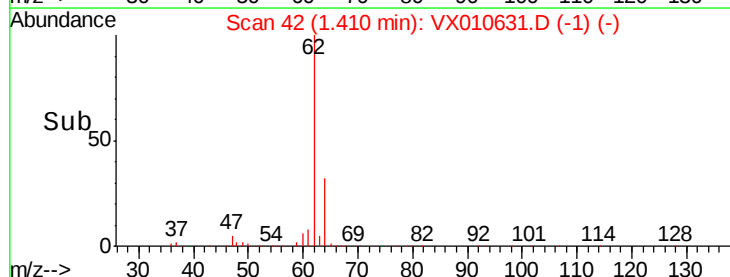
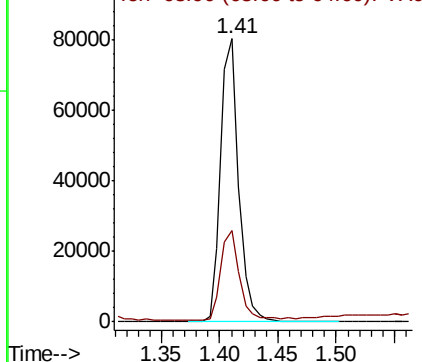
62 100

64 31.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 39.012 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 36814

Ion Ratio Lower Upper

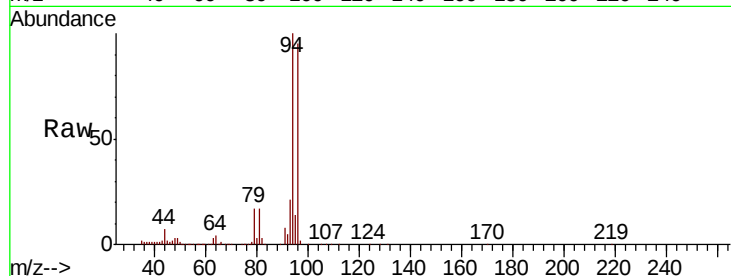
94 100

96 94.7 75.5 113.3

Manual Integrations
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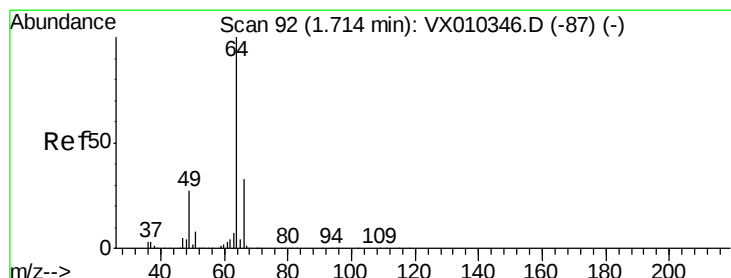
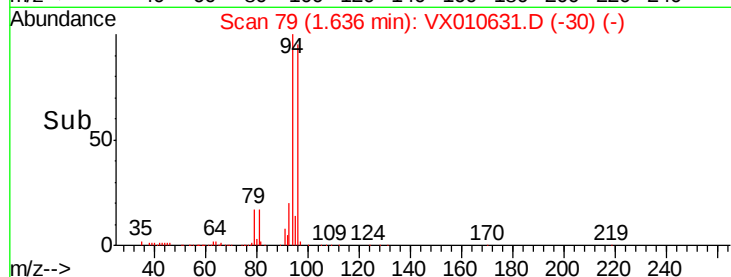
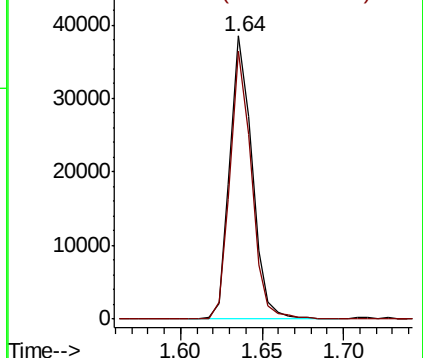
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.100 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010631.D

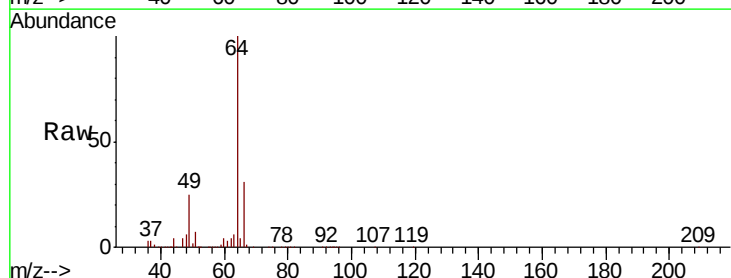
Acq: 02 Jul 2019 20:41

Tgt Ion: 64 Resp: 59539

Ion Ratio Lower Upper

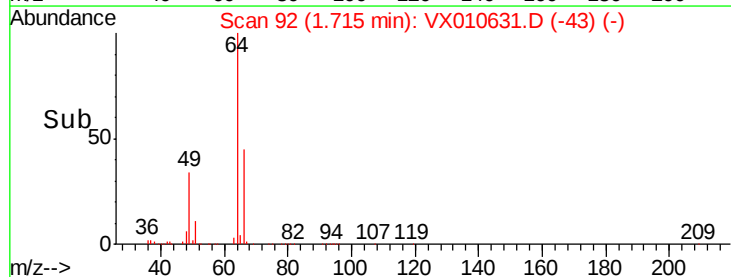
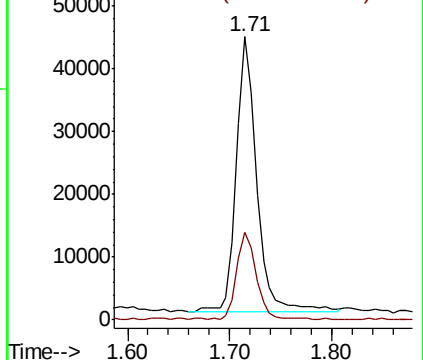
64 100

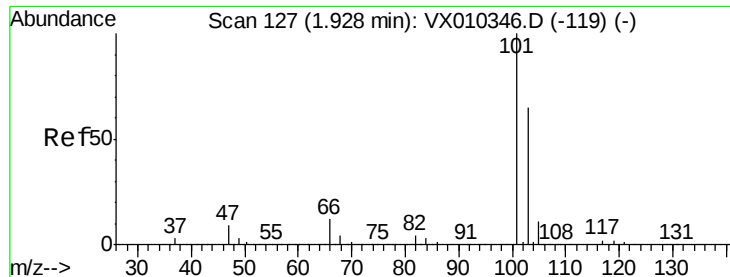
66 31.6 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

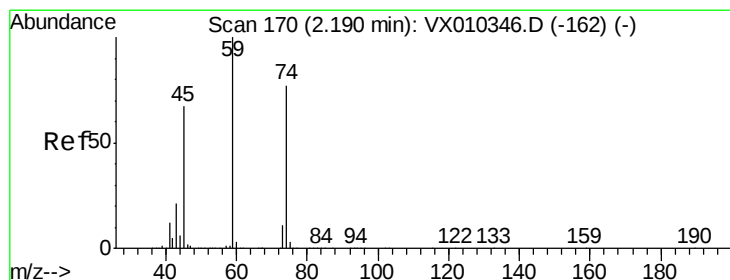
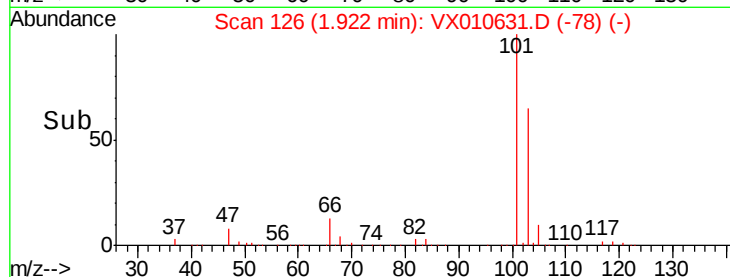
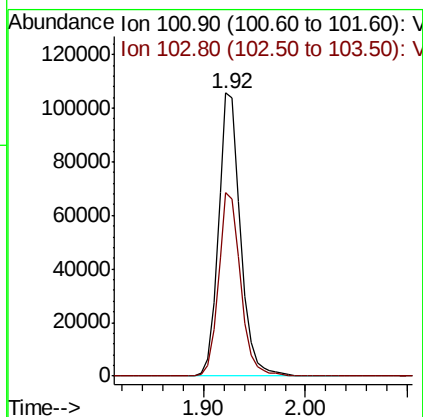
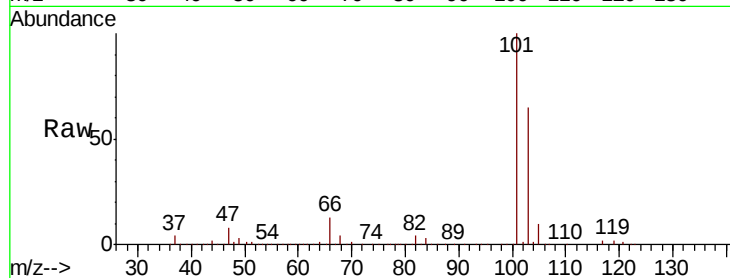
Trichlorofluoromethane
Concen: 51.719 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
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VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	64.9	52.3	78.5	

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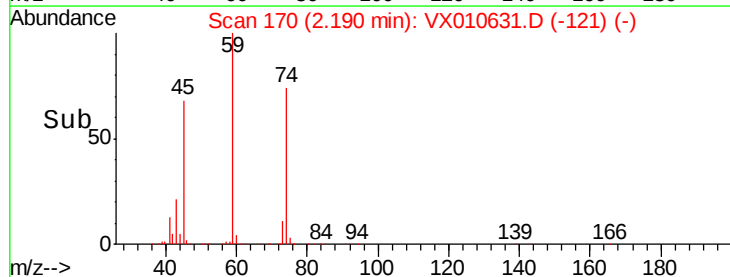
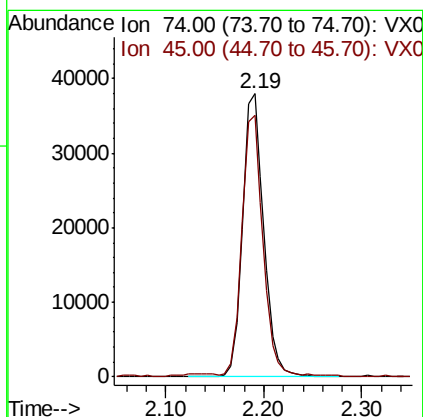
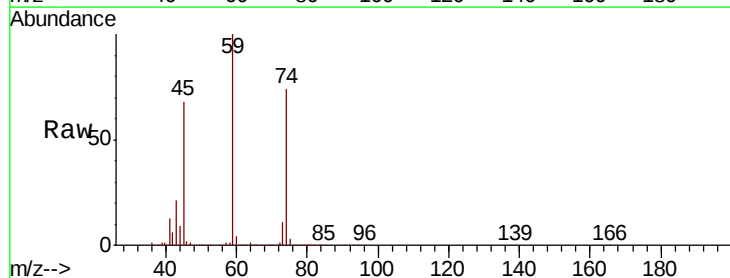
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7/3/2019 9:30:00 AM



#8

Diethyl Ether
Concen: 51.708 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	90.0	44.8	134.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.206 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

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MSVOA_X

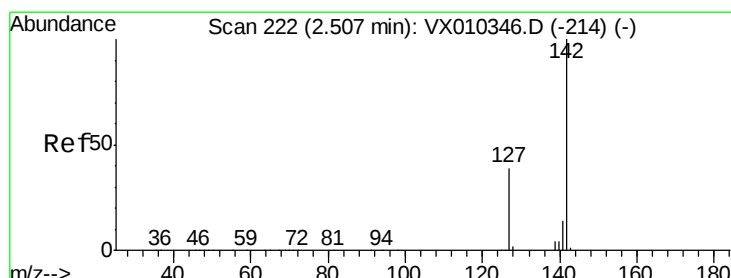
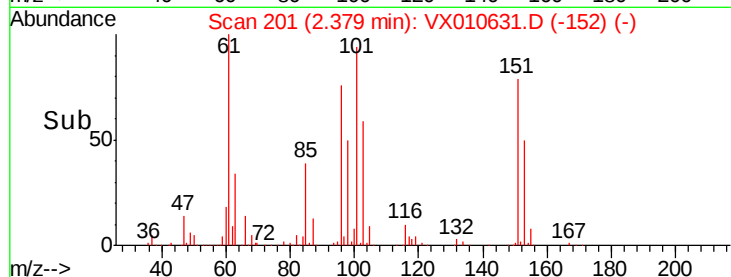
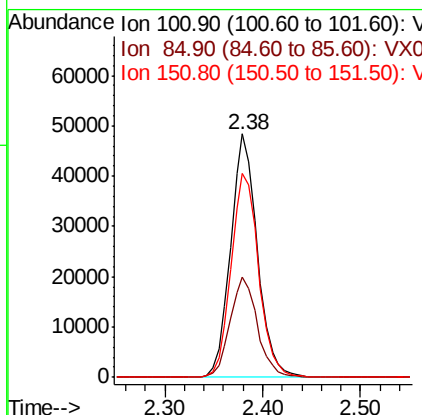
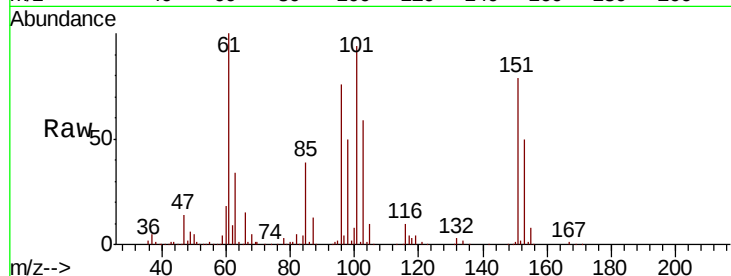
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	91563
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.7	50.5
151	86.6	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 33.795 ug/l

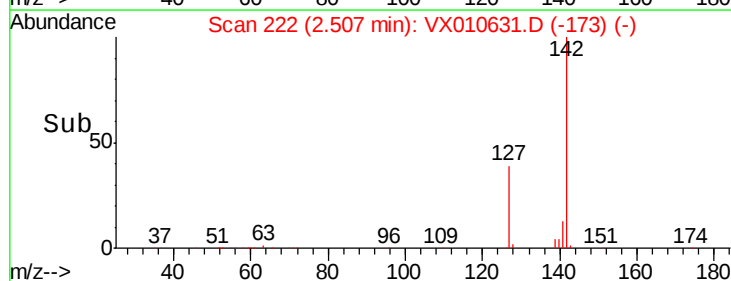
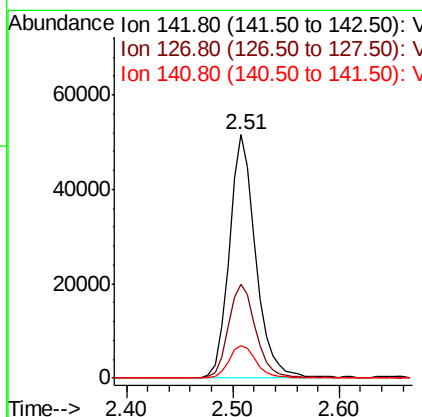
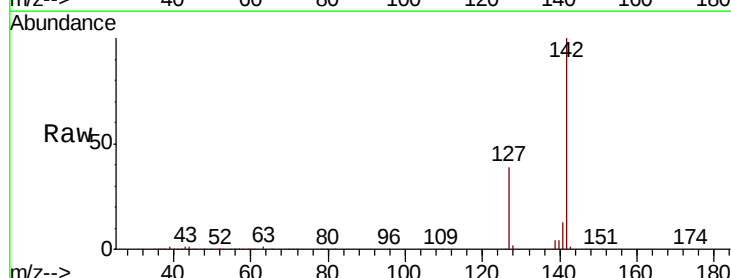
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Tgt Ion:	142	Resp:	89747
Ion Ratio	Lower	Upper	
142	100		
127	40.1	31.1	46.7
141	14.0	11.2	16.8





#11

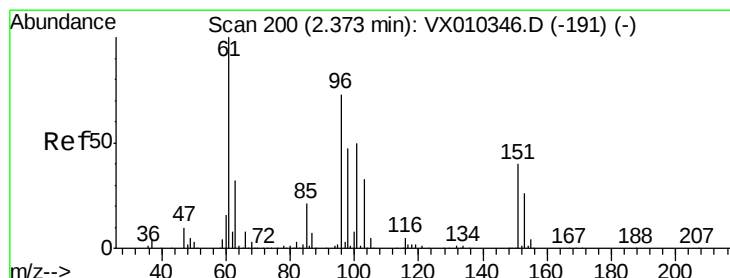
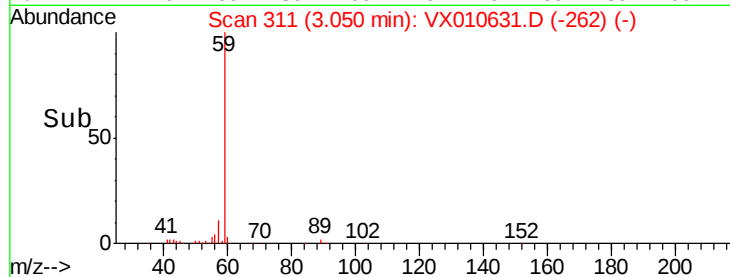
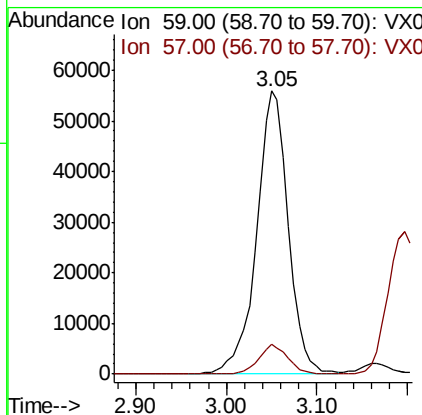
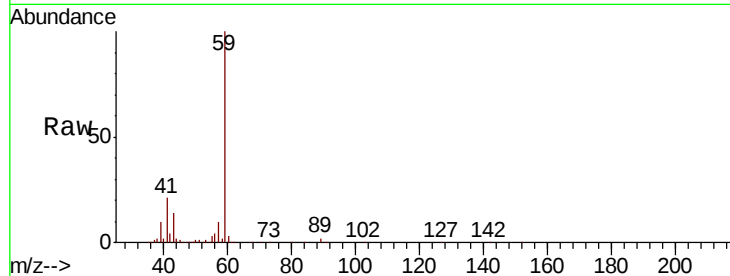
Tert butyl alcohol
Concen: 251.451 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	9.8	Resp	134763	Lower	7.7	Upper	11.5
Ion	59	57	Ratio	100	9.8	Resp	134763	Lower	7.7	Upper	11.5

Manual Integrations
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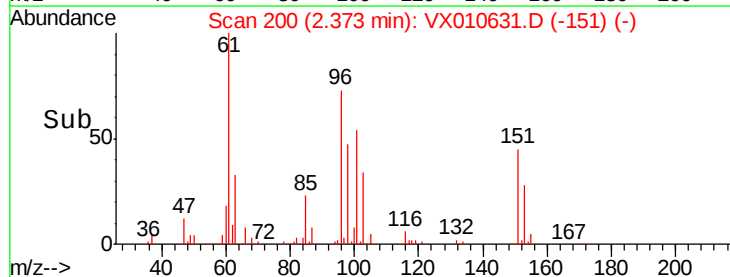
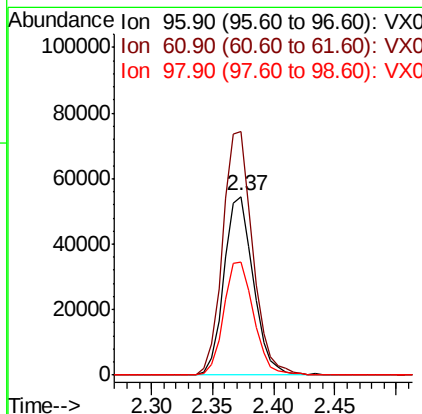
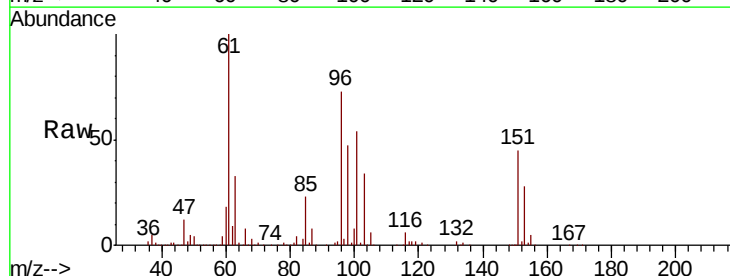
MMDadoda
7/3/2019 9:30:00 AM



#12

1,1-Dichloroethene
Concen: 47.884 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	96	61	98	Ratio	100	136.1	63.5	Resp	90667	Lower	109.2	51.1	Upper	163.8	76.7
Ion	96	61	98	Ratio	100	136.1	63.5	Resp	90667	Lower	109.2	51.1	Upper	163.8	76.7





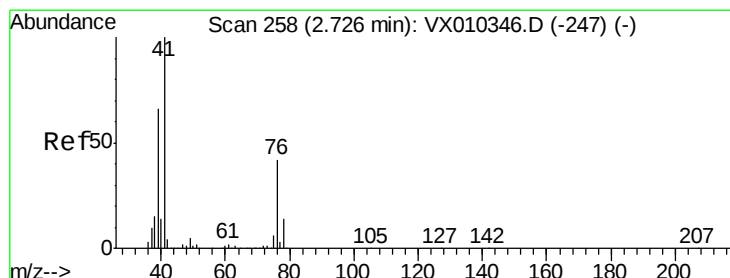
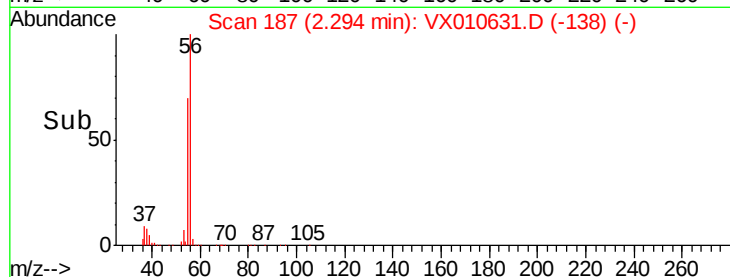
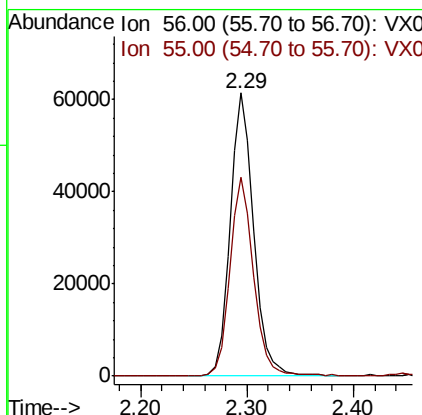
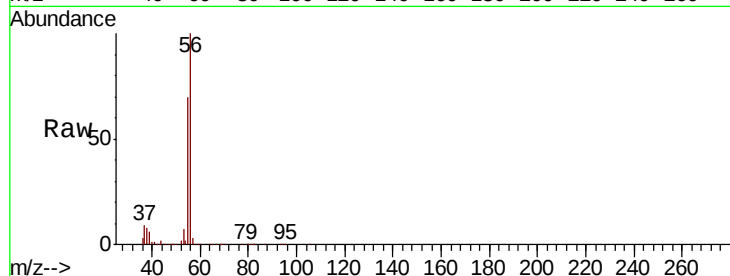
#13
Acrolein
Concen: 266.149 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.6	56.9	85.3

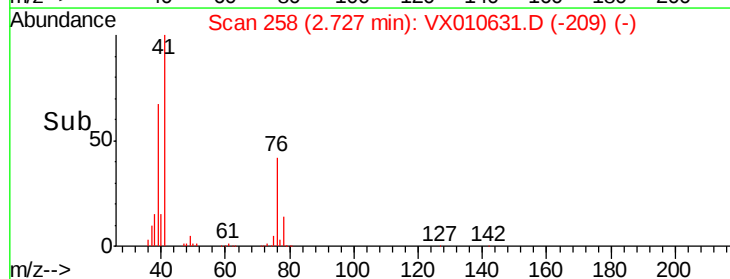
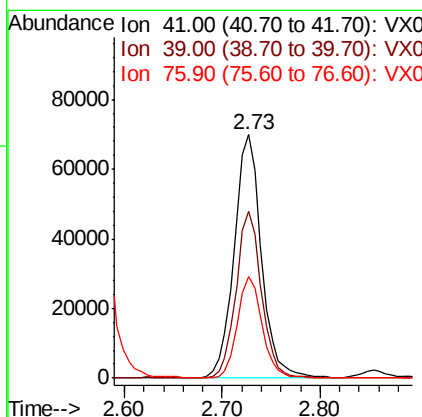
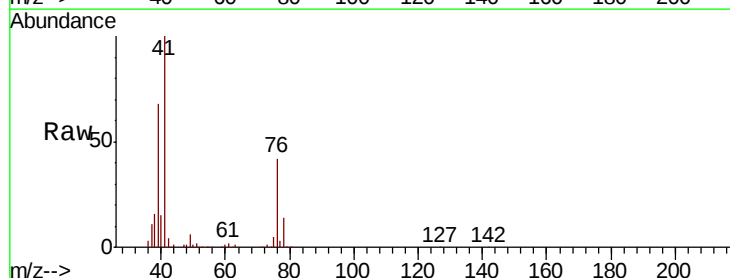
Manual Integrations
APPROVED

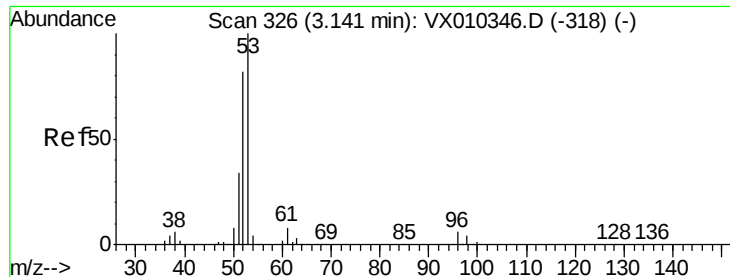
MMDadoda
7/3/2019 9:30:00 AM



#14
Allyl chloride
Concen: 50.160 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.0	50.3	75.5
76	38.0	31.3	46.9





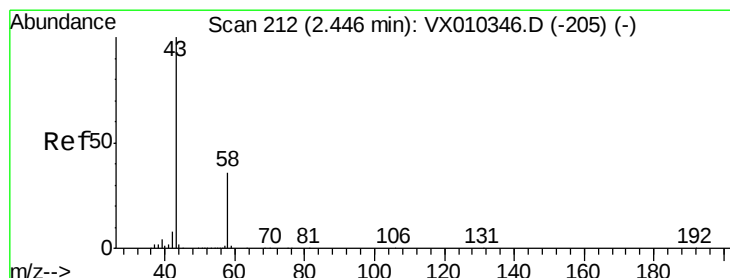
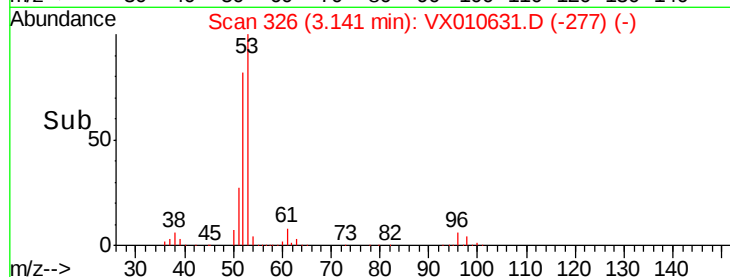
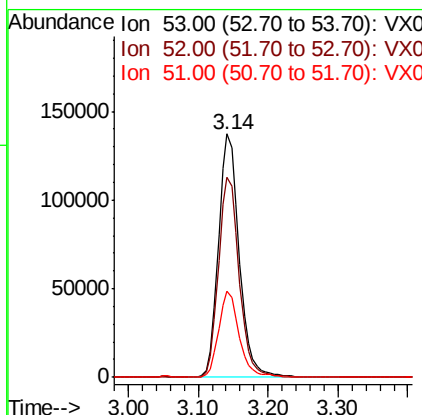
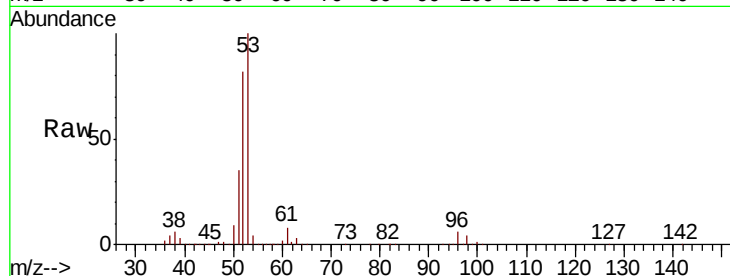
#15
 Acrylonitrile
 Concen: 266.031 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	282286
Ion Ratio		Lower	Upper
53	100		
52	82.3	65.5	98.3
51	35.0	28.2	42.4

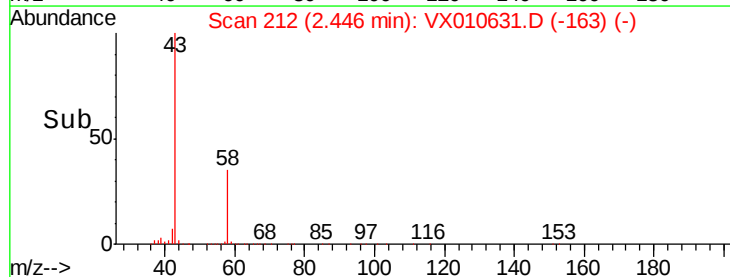
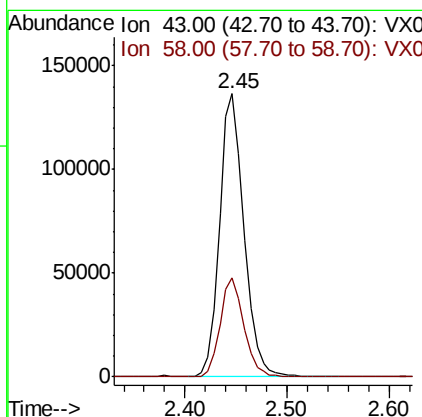
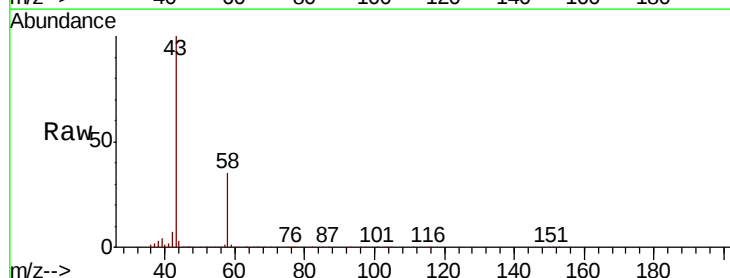
Manual Integrations
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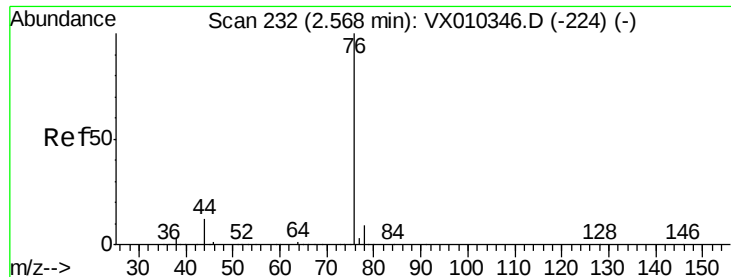
MMDadoda
 7/3/2019 9:30:00 AM



#16
 Acetone
 Concen: 219.742 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Tgt Ion:	43	Resp:	225562
Ion Ratio		Lower	Upper
43	100		
58	35.0	28.9	43.3





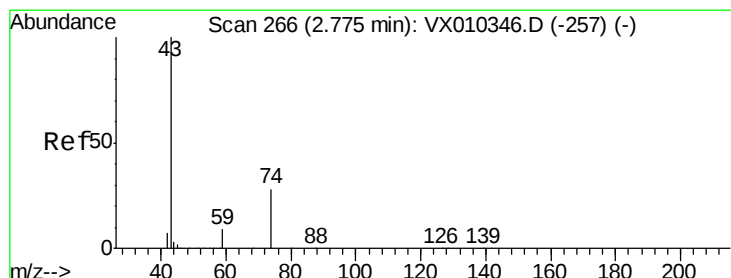
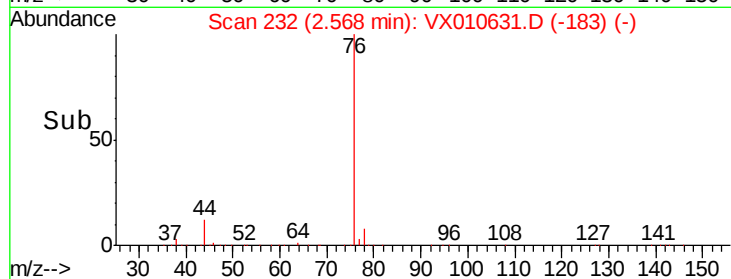
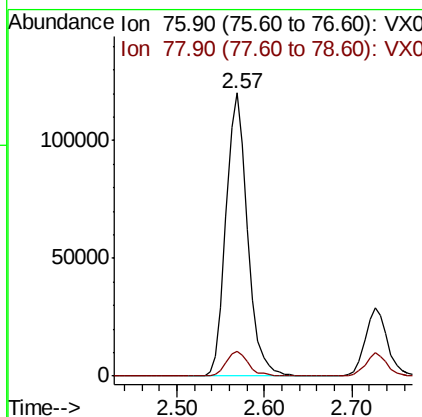
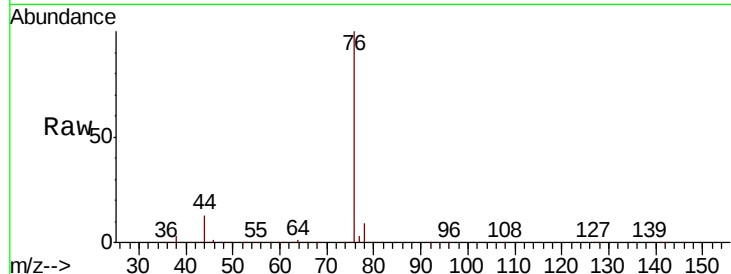
#17
Carbon Disulfide
Concen: 40.560 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.3	10.9

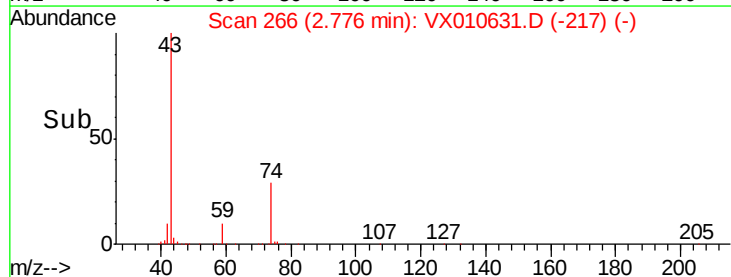
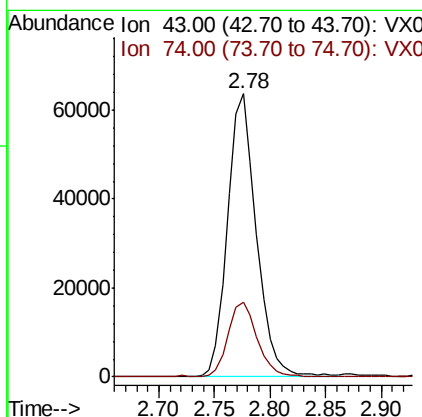
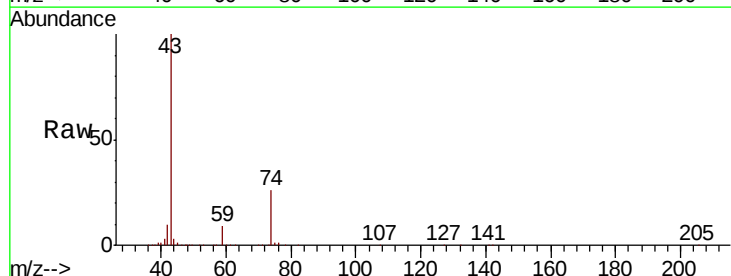
Manual Integrations
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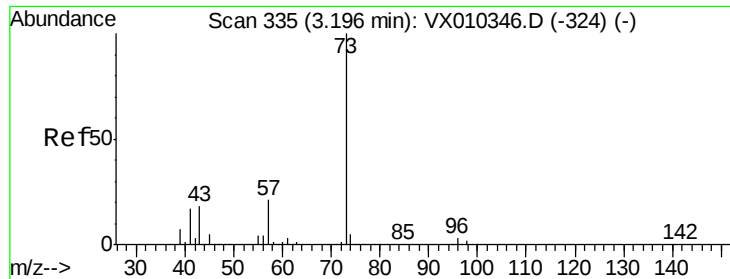
MMDadoda
7/3/2019 9:30:00 AM



#18
Methyl Acetate
Concen: 55.174 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.8	21.3	31.9





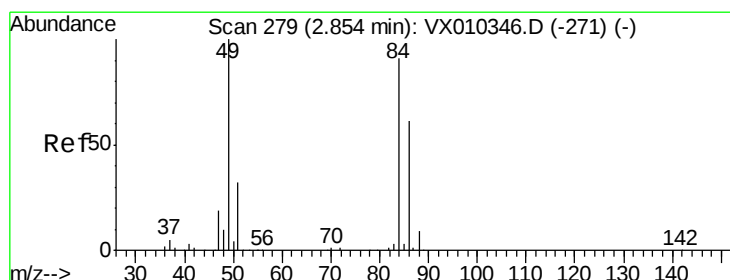
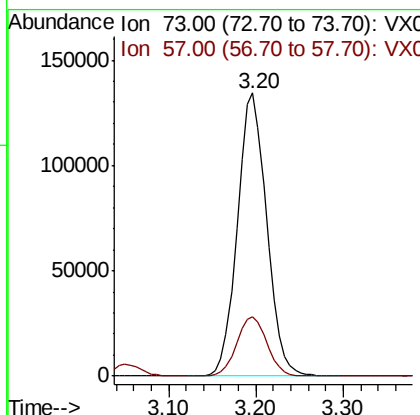
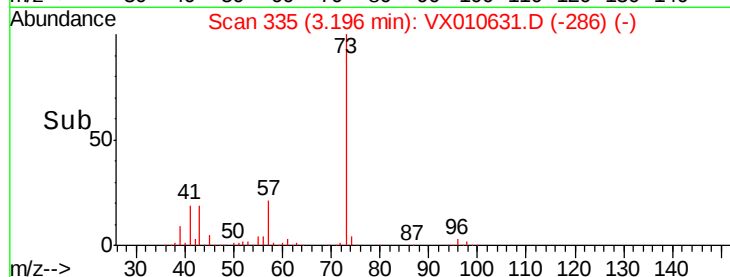
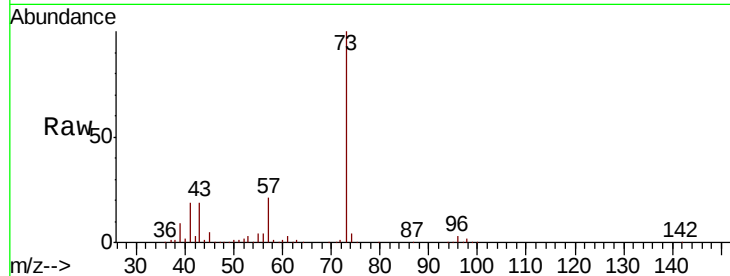
#19
Methyl tert-butyl Ether
Concen: 52.414 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	16.4	24.6

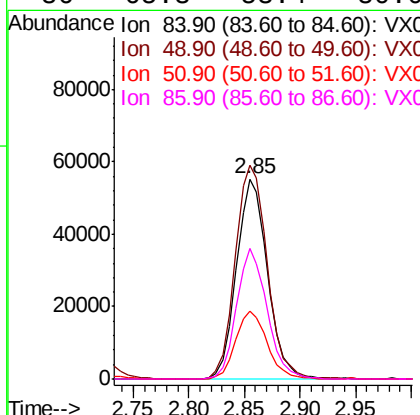
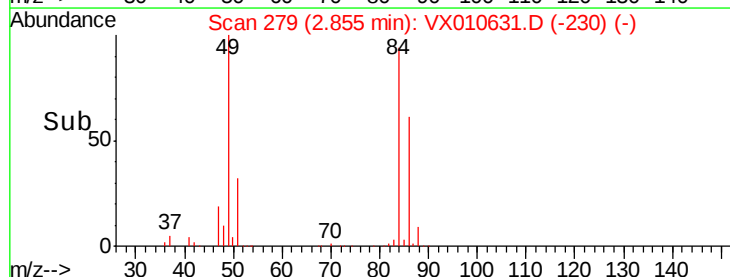
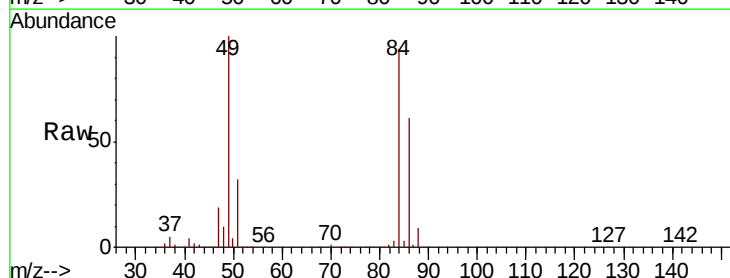
Manual Integrations
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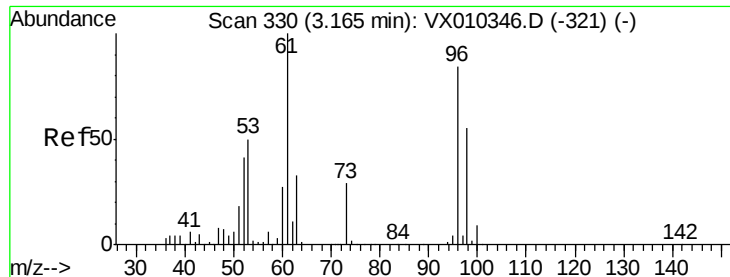
MMDadoda
7/3/2019 9:30:00 AM



#20
Methylene Chloride
Concen: 50.470 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.7	87.5	131.3
51	34.0	27.7	41.5
86	65.3	53.4	80.0





#21

trans-1,2-Dichloroethene

Concen: 47.076 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Instrument :

MSVOA_X

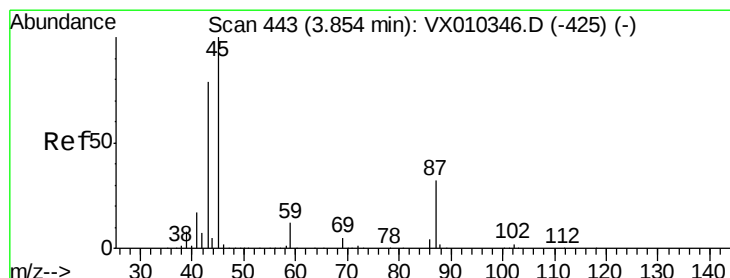
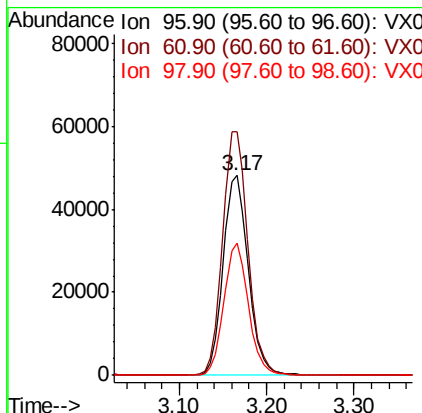
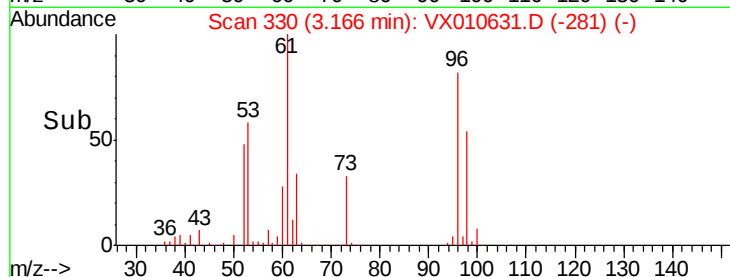
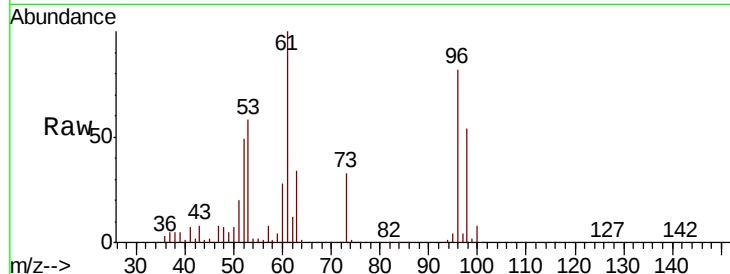
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	95868
Ion	Ratio	Lower	Upper
96	100		
61	121.8	95.6	143.4
98	66.1	52.5	78.7

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#22

Diisopropyl ether

Concen: 52.799 ug/l

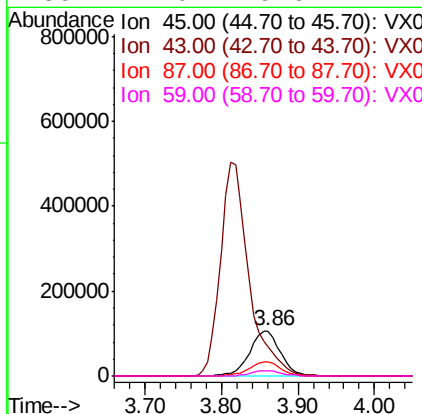
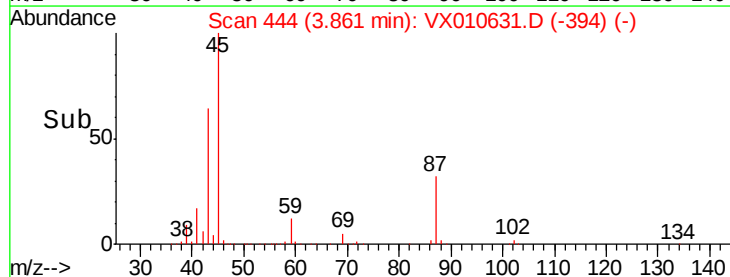
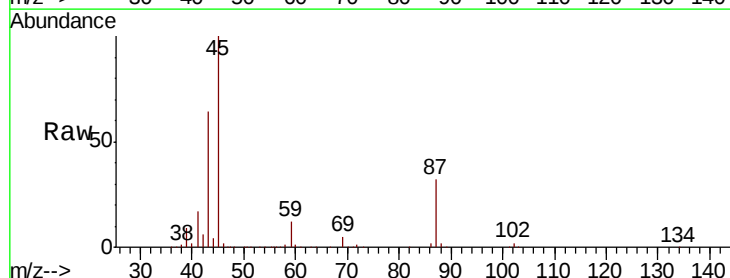
RT: 3.86 min Scan# 444

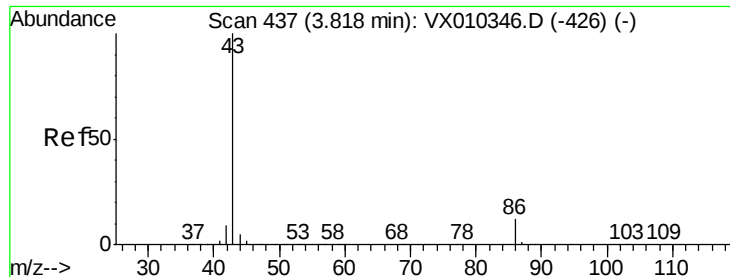
Delta R.T. 0.01 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Tgt Ion:	45	Resp:	296752
Ion	Ratio	Lower	Upper
45	100		
43	64.3	63.3	94.9
87	31.8	25.8	38.8
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 268.761 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1304942

Ion Ratio Lower Upper

43 100

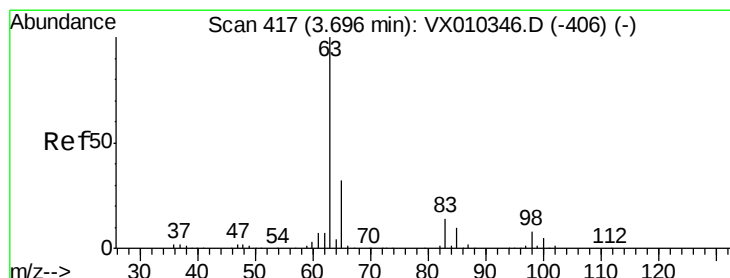
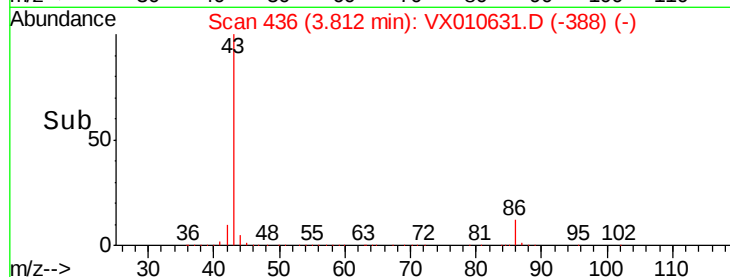
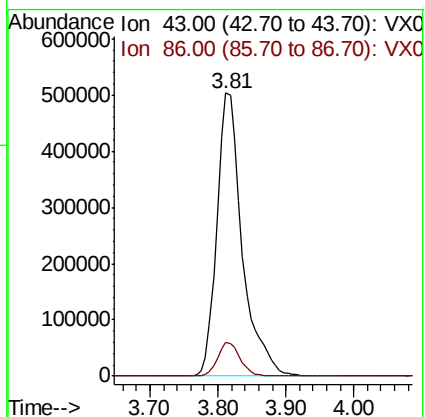
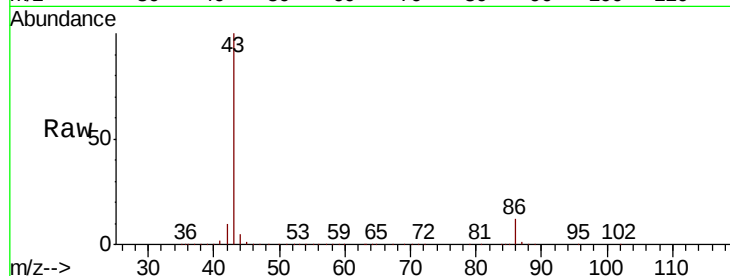
86 11.8 9.9 14.9

Manual Integrations

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7/3/2019 9:30:00 AM



#24

1,1-Dichloroethane

Concen: 51.704 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

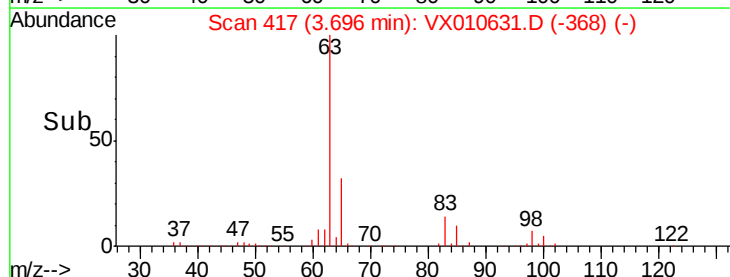
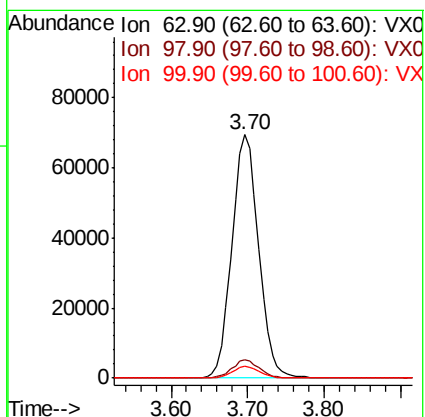
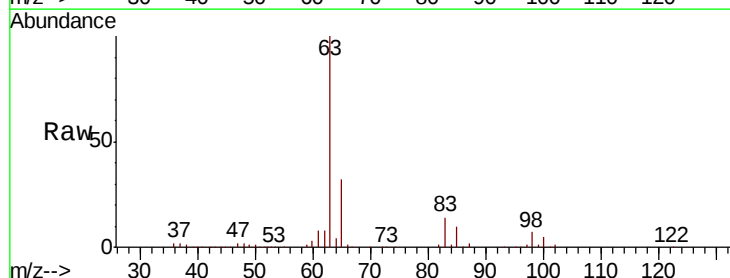
Tgt Ion: 63 Resp: 167976

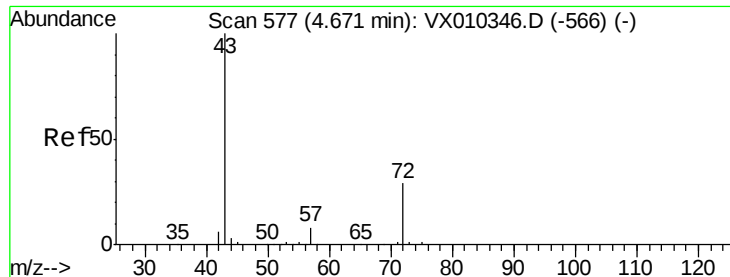
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.7

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 253.360 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 381490

Ion Ratio Lower Upper

43 100

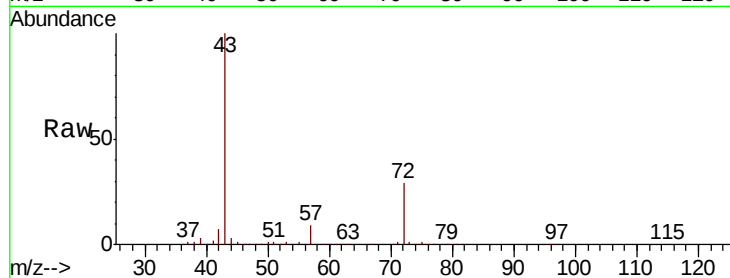
72 28.8 23.3 34.9

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

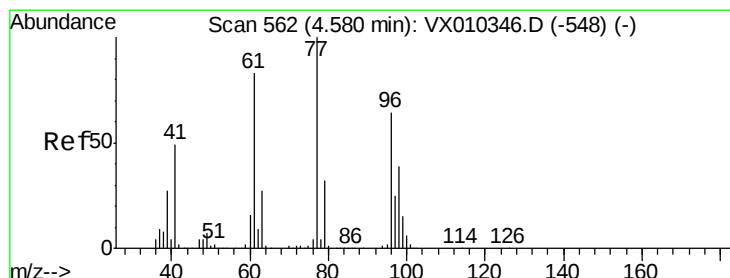
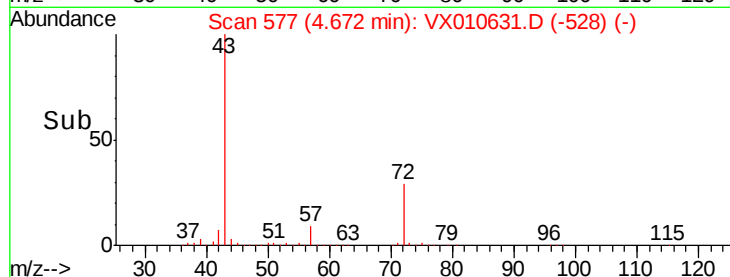
4.67

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 42.550 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010631.D

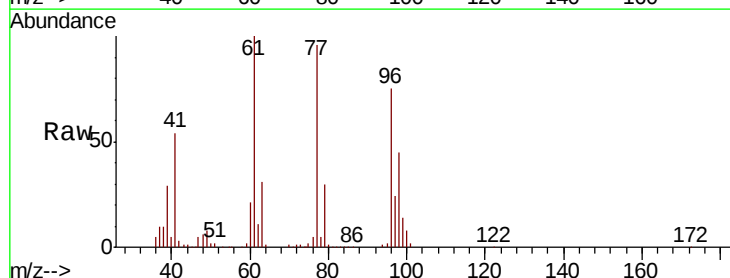
Acq: 02 Jul 2019 20:41

Tgt Ion: 77 Resp: 120085

Ion Ratio Lower Upper

77 100

97 26.4 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

0

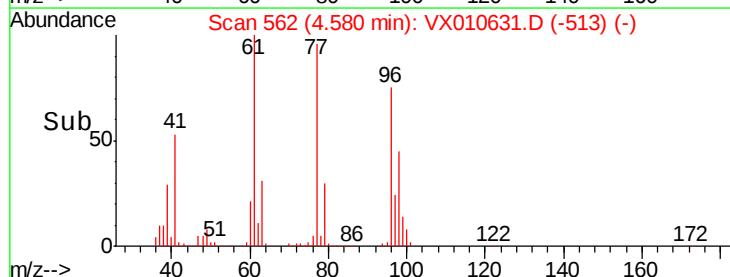
4.58

4.50

4.60

4.70

Time-->





#27

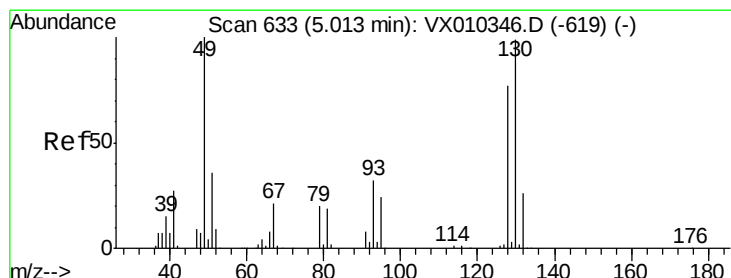
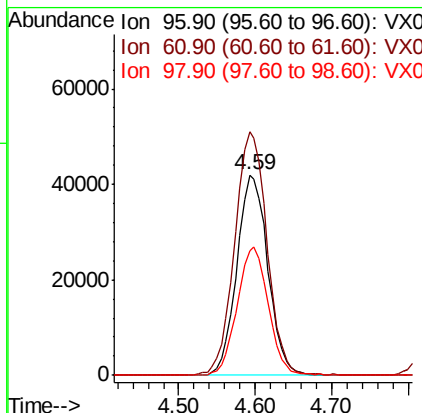
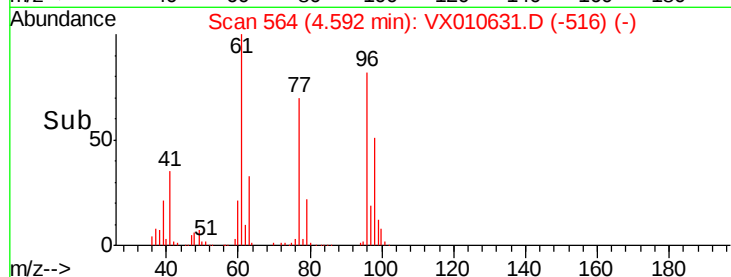
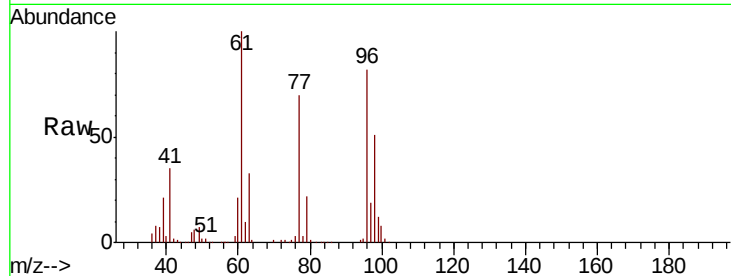
cis-1,2-Dichloroethene
Concen: 50.267 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.7	0.0	251.8
98	64.3	0.0	129.4

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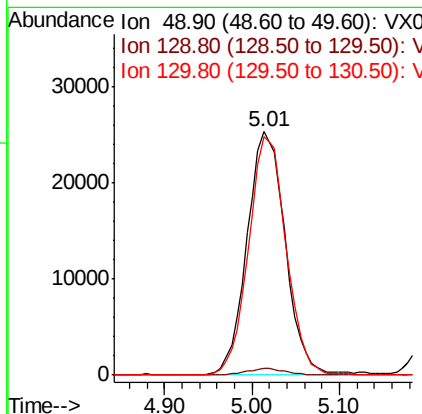
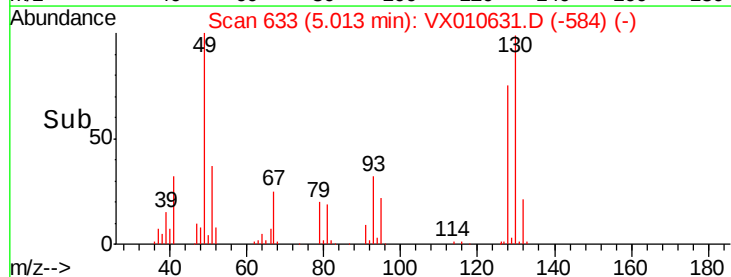
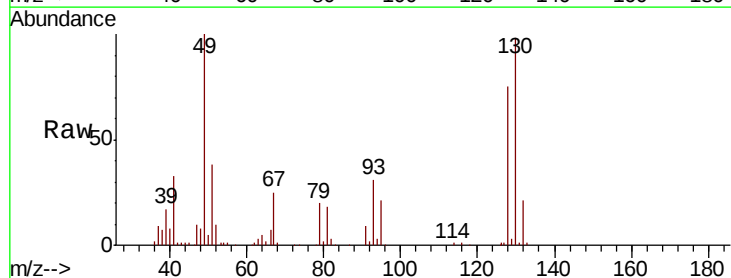
MMDadoda
7/3/2019 9:30:00 AM

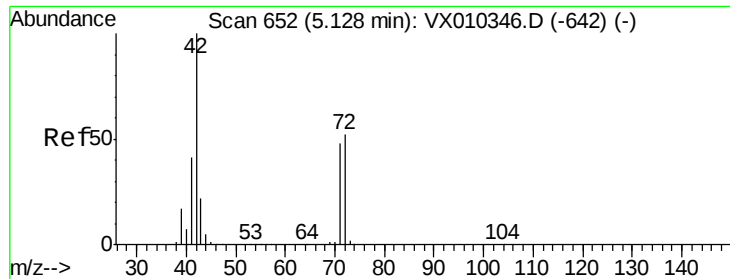


#28

Bromochloromethane
Concen: 49.643 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.6
130	96.4	81.4	122.0





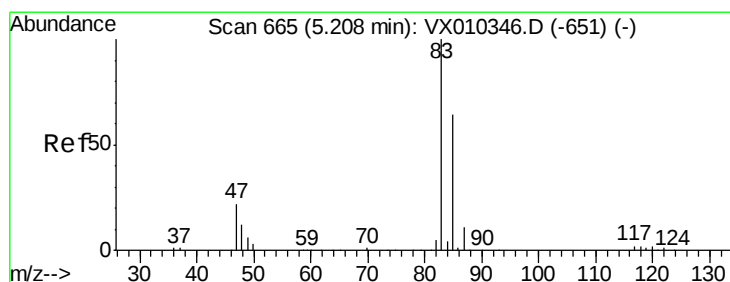
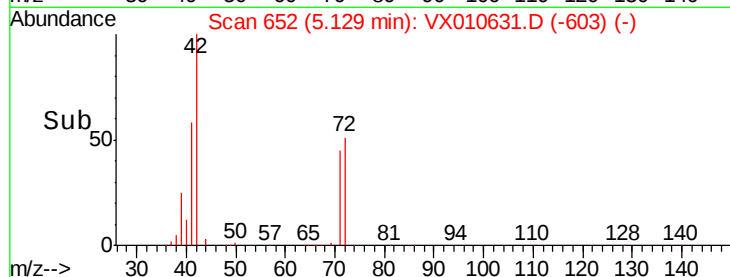
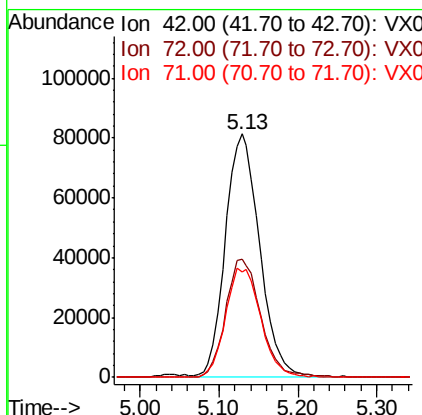
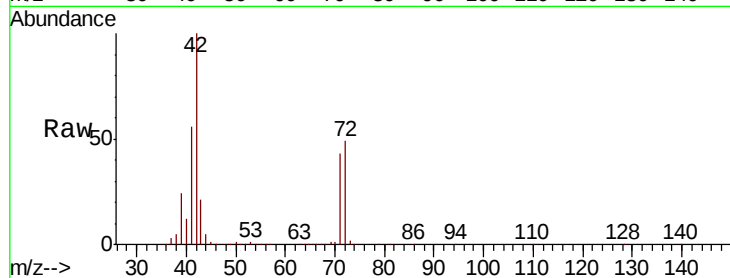
#29
Tetrahydrofuran
Concen: 261.268 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.3	40.6	60.8
71	46.5	37.8	56.8

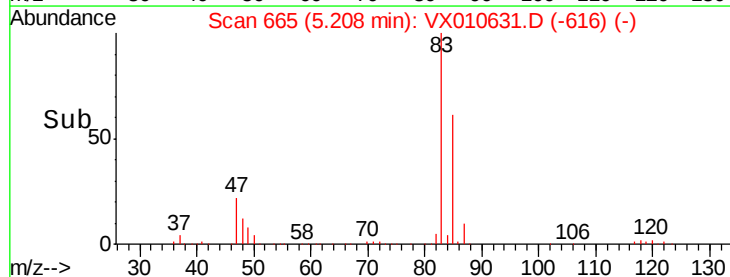
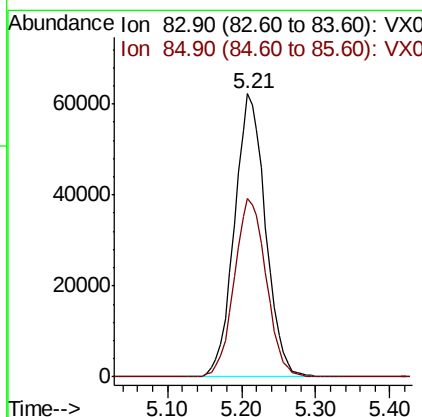
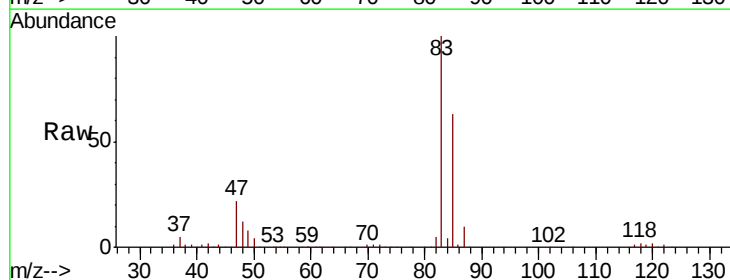
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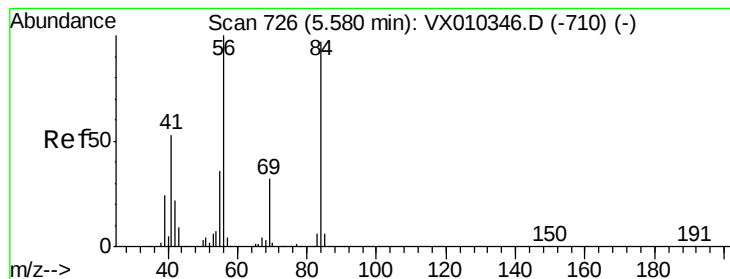
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7/3/2019 9:30:00 AM



#30
Chloroform
Concen: 52.057 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.9	76.3





#31

Cyclohexane

Concen: 47.788 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Instrument :

MSVOA_X

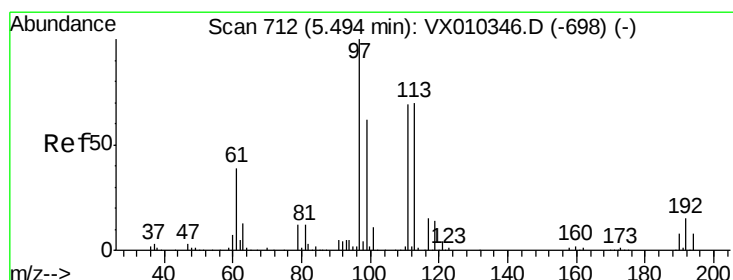
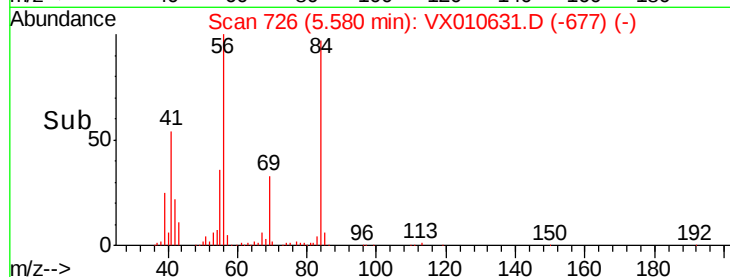
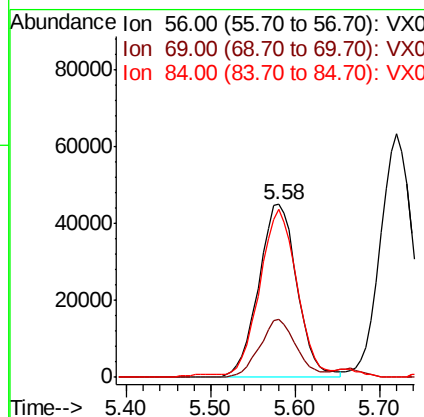
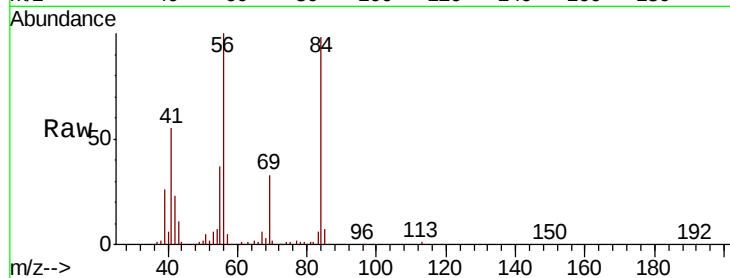
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	141379
Ion	Ratio	Lower	Upper
56	100		
69	33.3	25.9	38.9
84	96.3	78.0	117.0

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#32

1,1,1-Trichloroethane

Concen: 51.654 ug/l

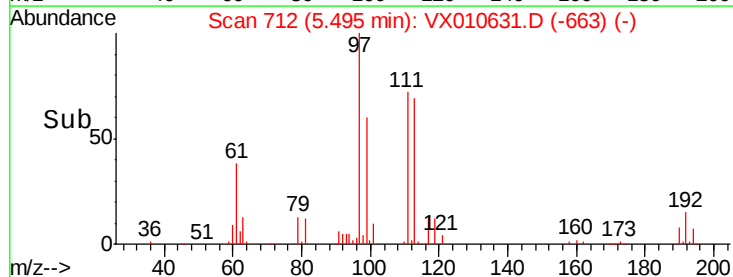
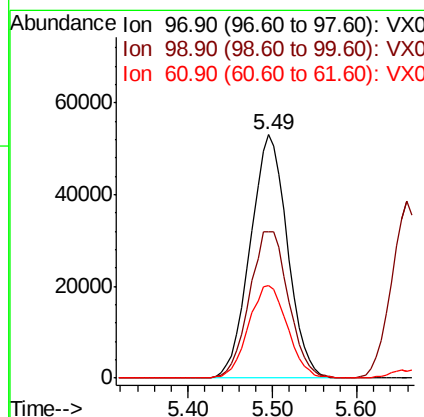
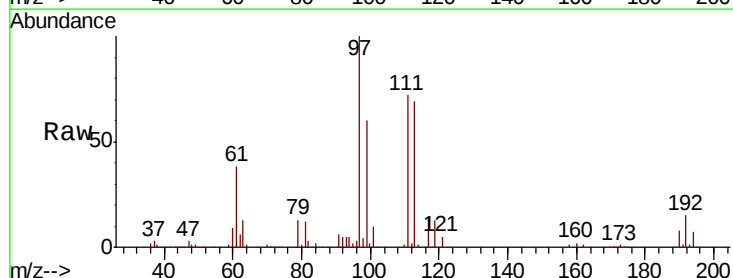
RT: 5.49 min Scan# 712

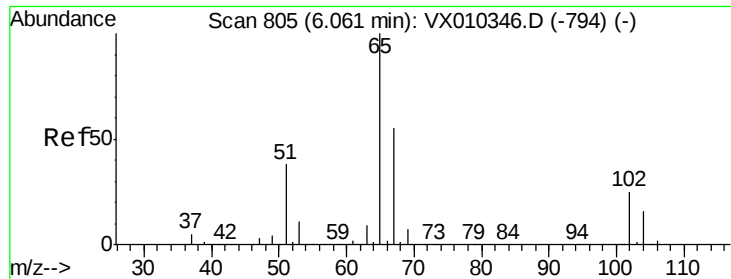
Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Tgt Ion:	97	Resp:	159430
Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.8	77.8
61	39.8	32.1	48.1





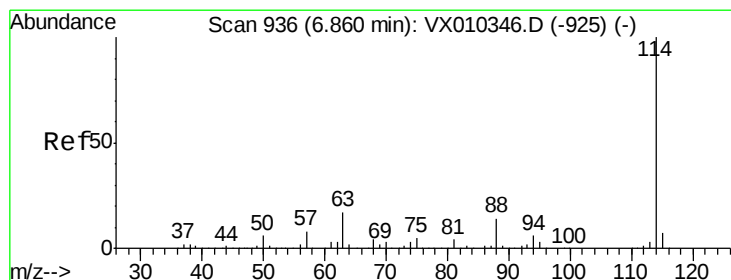
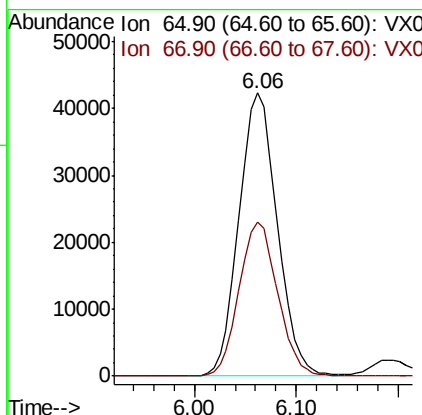
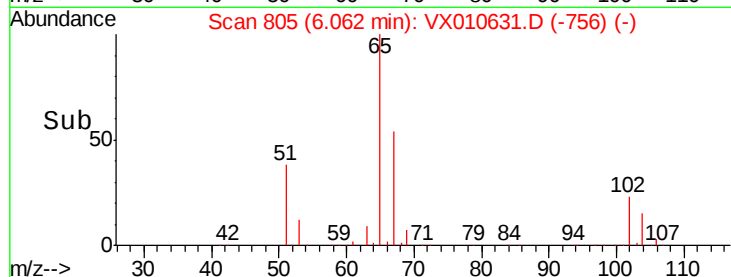
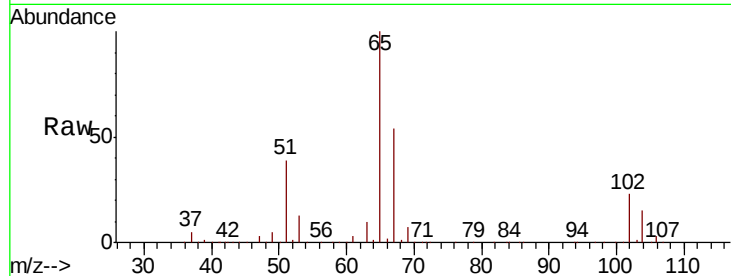
#33
 1,2-Dichloroethane-d4
 Concen: 54.110 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 110827
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.2

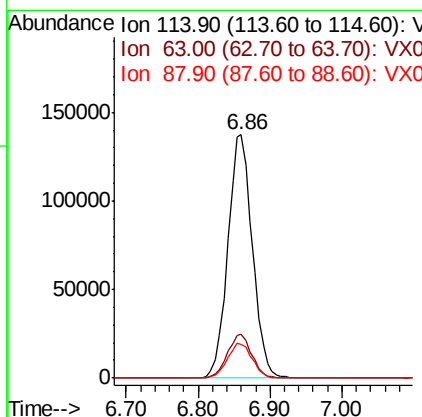
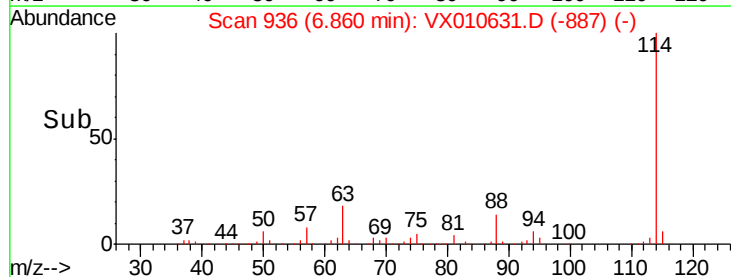
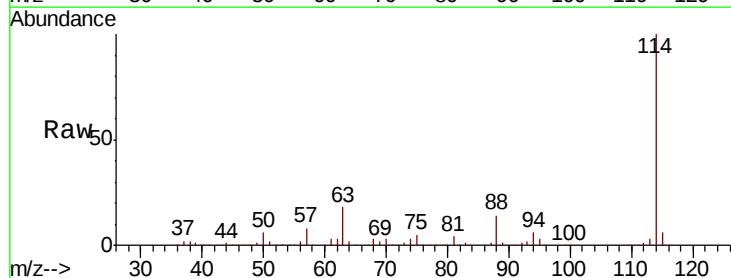
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Tgt Ion: 114 Resp: 324800
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 33.8
 88 14.0 0.0 27.6





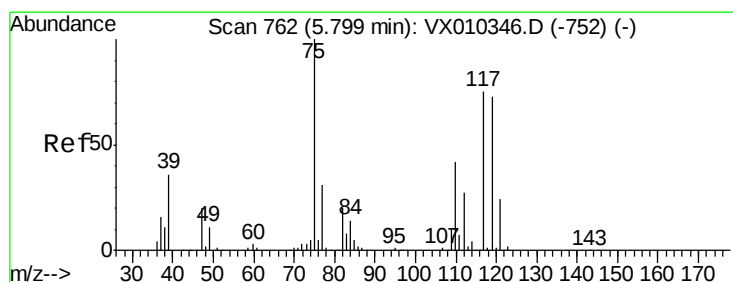
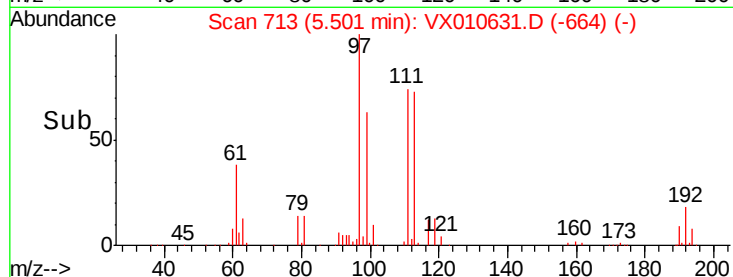
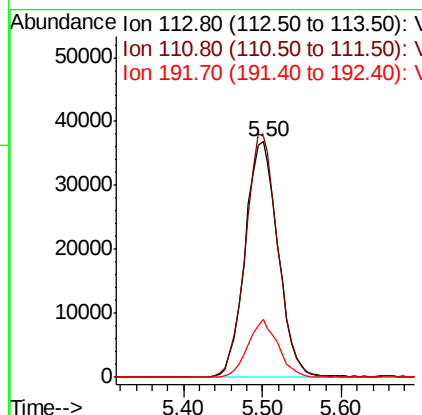
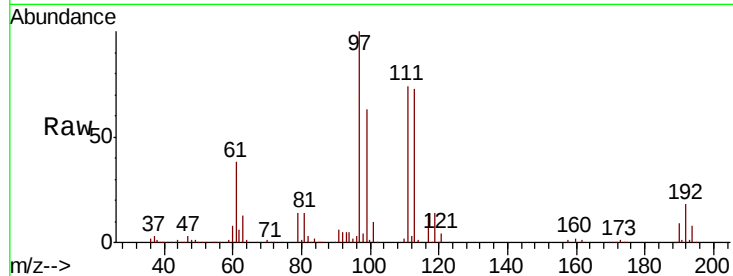
#35
 Dibromofluoromethane
 Concen: 53.871 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107054		
111	101.1	81.2	121.8	
192	22.6	18.6	27.8	

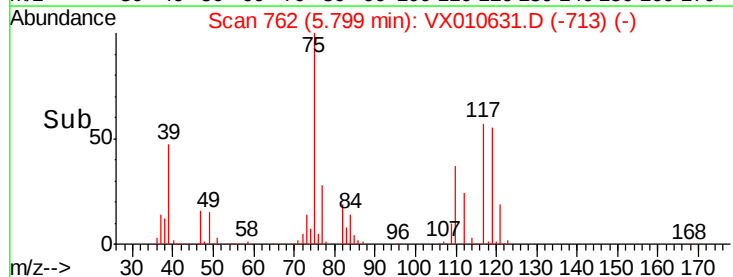
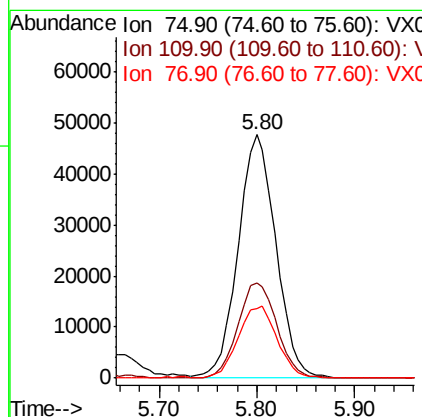
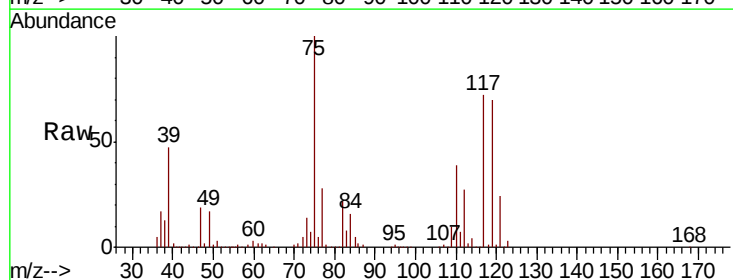
Manual Integrations
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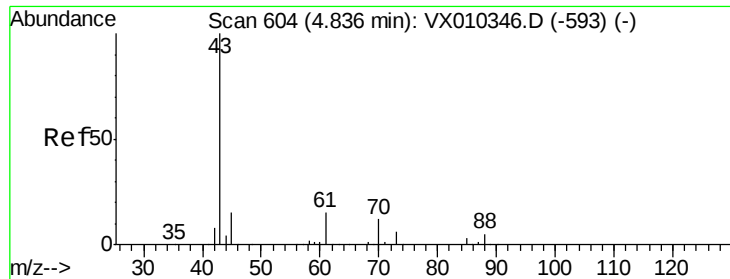
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 7/3/2019 9:30:00 AM



#36
 1,1-Dichloropropene
 Concen: 48.986 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	126435		
110	40.8	20.8	62.2	
77	31.0	25.4	38.0	





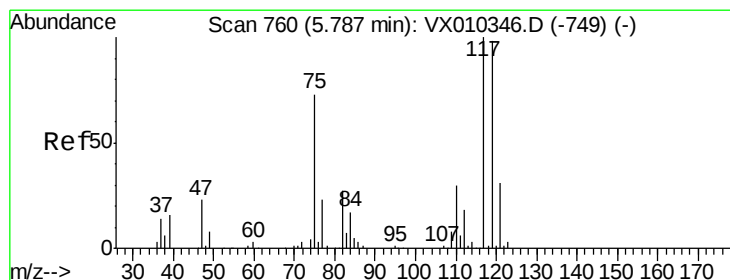
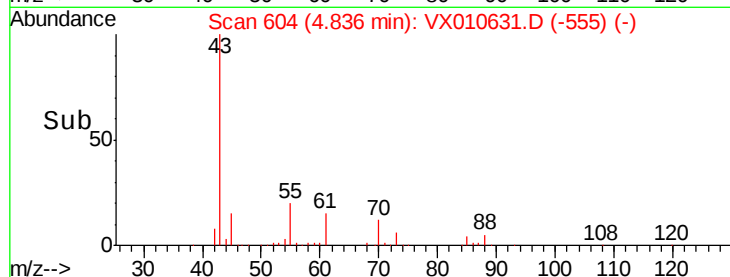
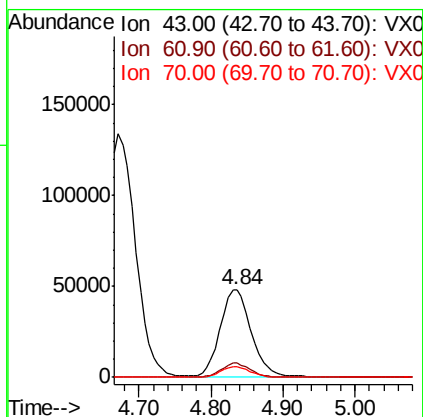
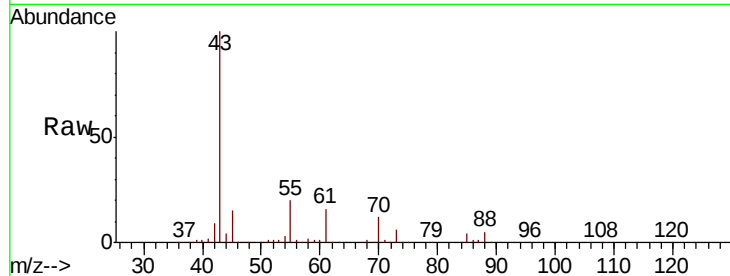
#37
Ethyl Acetate
Concen: 54.083 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.4	18.6
70	12.1	9.8	14.8

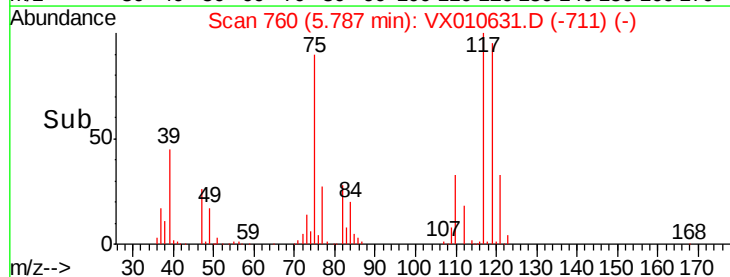
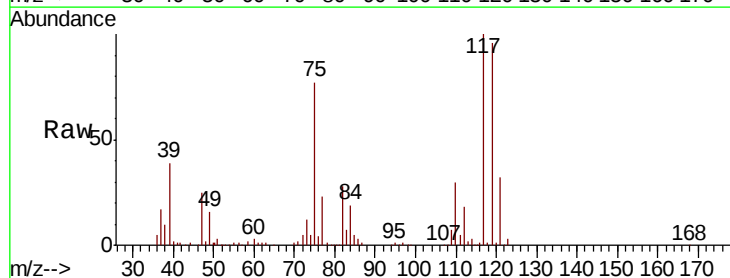
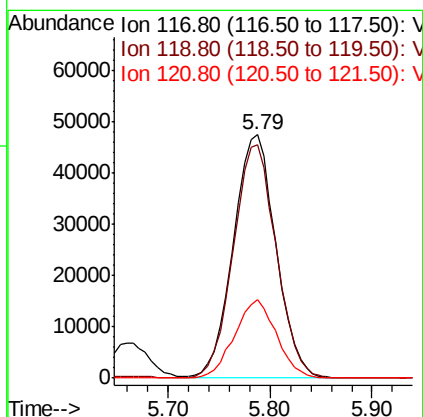
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#38
Carbon Tetrachloride
Concen: 49.161 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.2	117.4
121	32.3	24.7	37.1





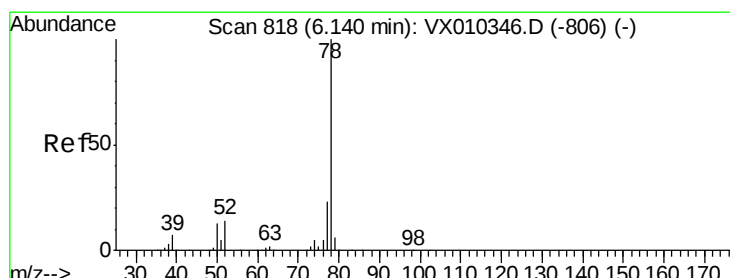
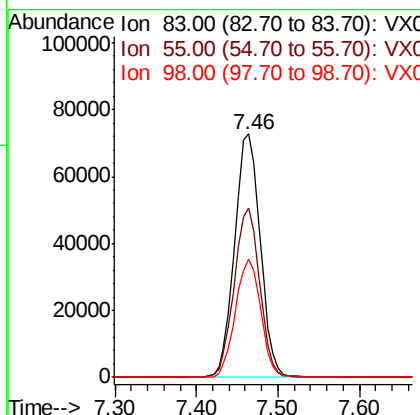
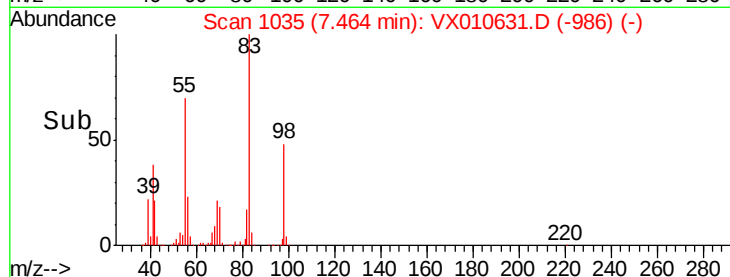
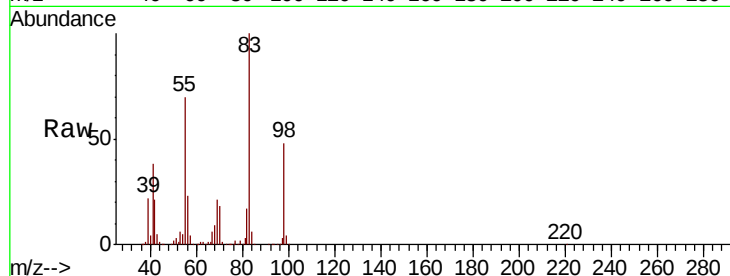
#39
Methvlcvclohexane
Concen: 46.375 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.8	53.0	79.6
98	48.4	37.8	56.8

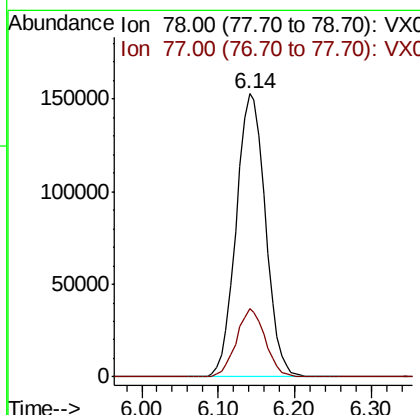
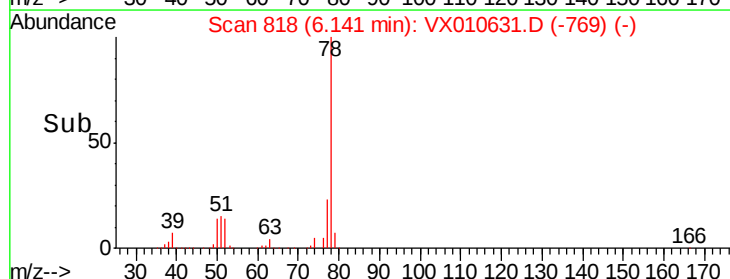
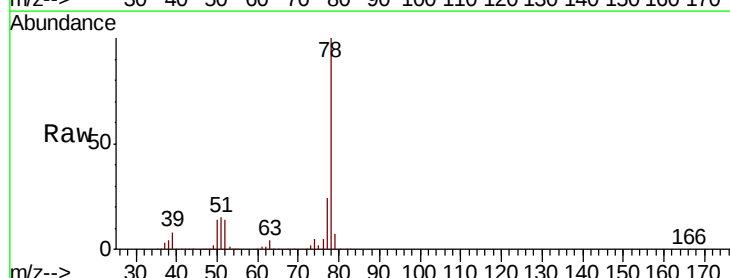
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#40
Benzene
Concen: 50.413 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.6	28.0





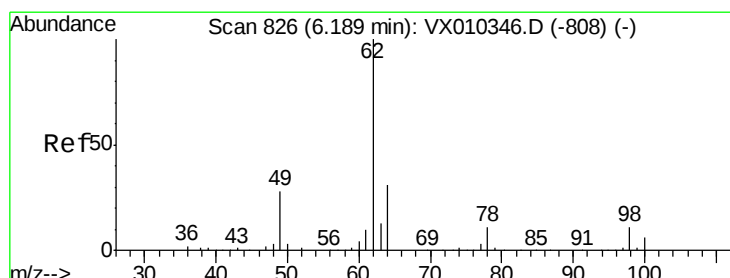
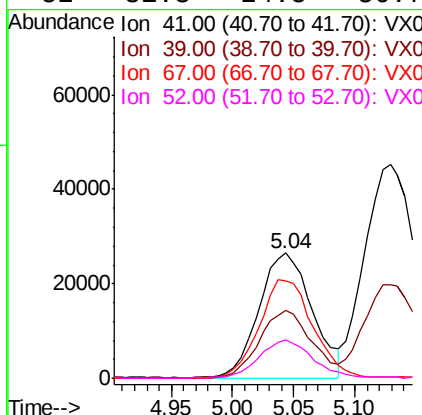
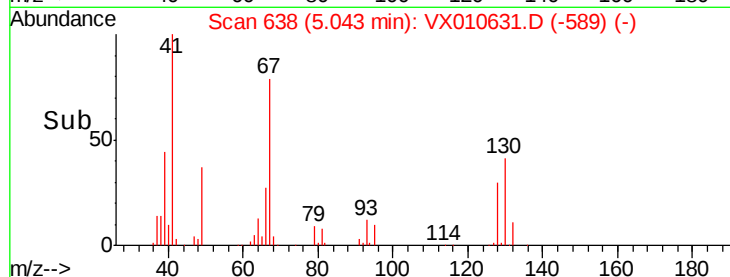
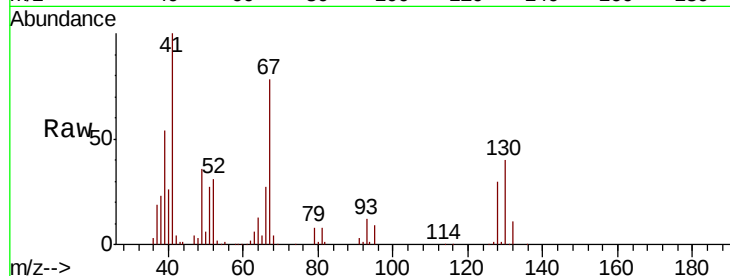
#41
Methacrylonitrile
Concen: 55.021 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion:	41	Resp:	80160
Ion	Ratio	Lower	Upper
41	100		
39	53.2	43.8	65.8
67	80.5	66.6	100.0
52	31.3	24.5	36.7

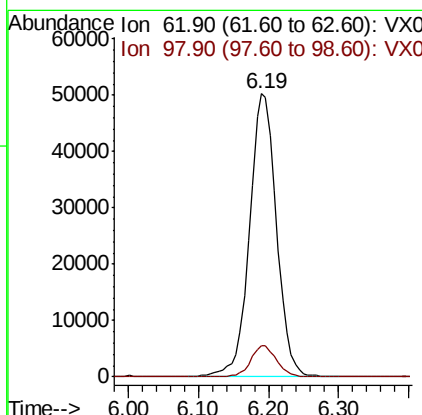
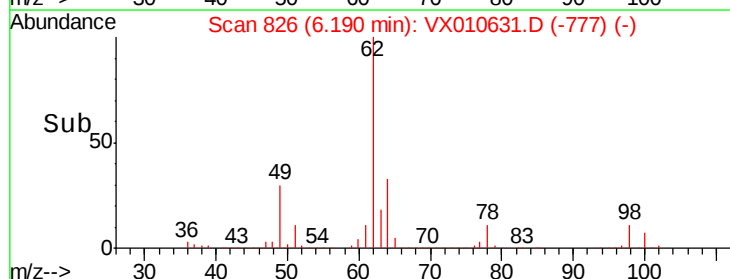
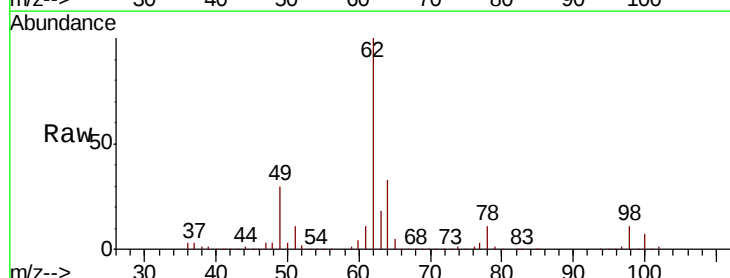
Manual Integrations
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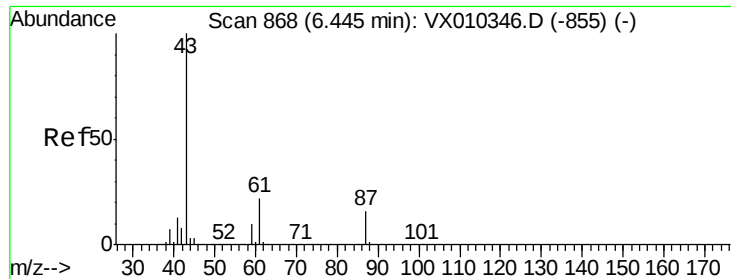
MMDadoda
7/3/2019 9:30:00 AM



#42
1,2-Dichloroethane
Concen: 54.939 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion:	62	Resp:	134477
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	22.2





#43

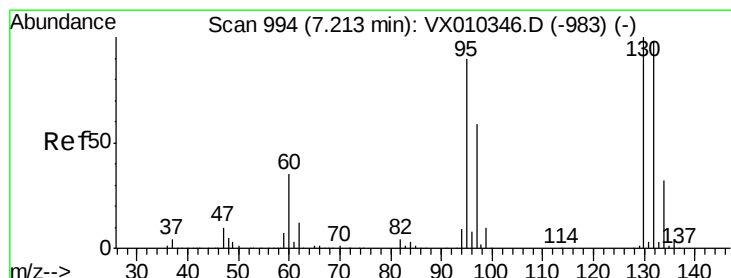
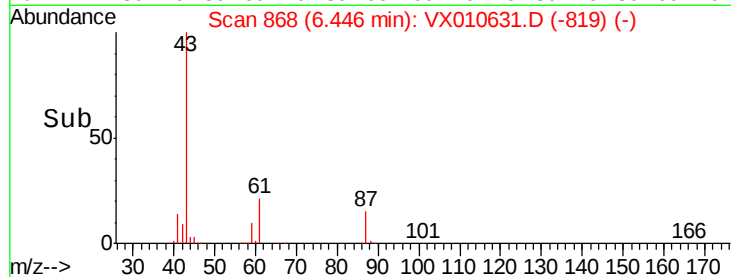
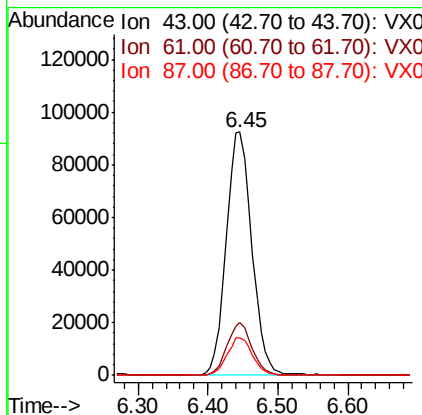
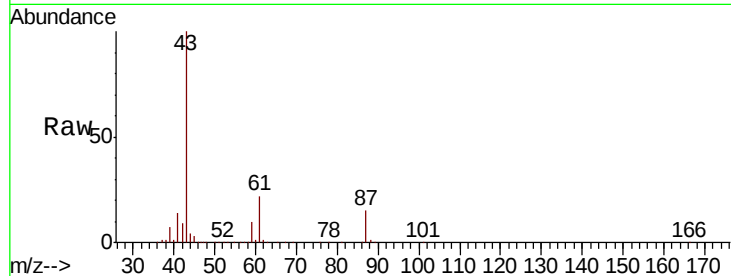
Isopropyl Acetate
 Concen: 53.303 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	17.8	26.6
87	15.5	13.0	19.4

Manual Integrations
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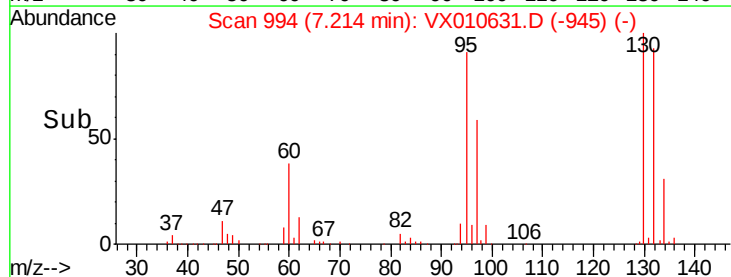
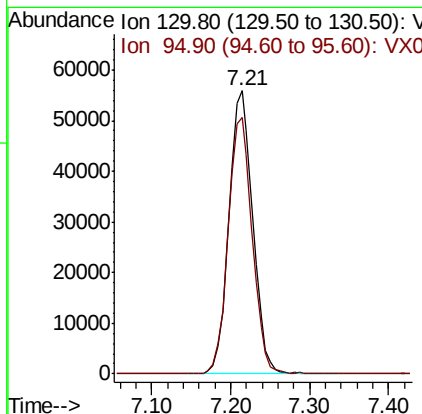
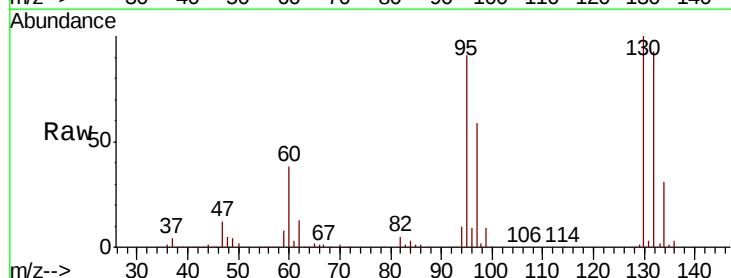
MMDadoda
 7/3/2019 9:30:00 AM

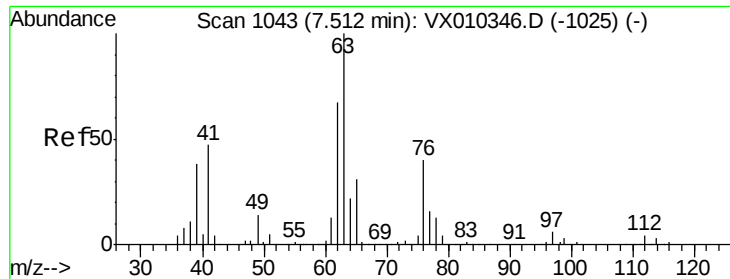


#44

Trichloroethene
 Concen: 48.761 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	180.8





#45

1,2-Dichloropropane

Concen: 51.285 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 104140

Ion Ratio Lower Upper

63 100

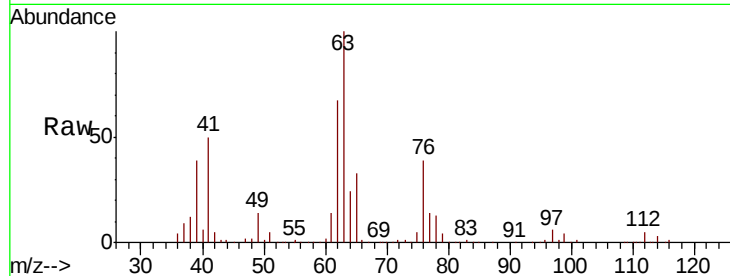
65 32.6 24.8 37.2

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7/3/2019 9:30:00 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

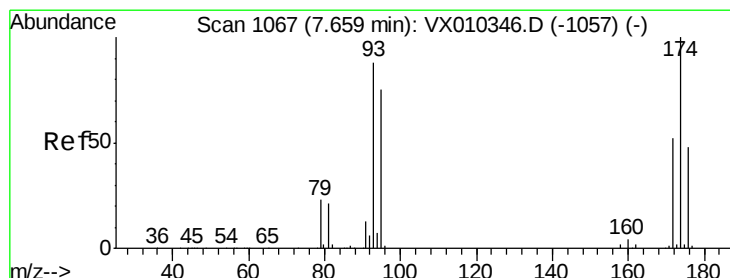
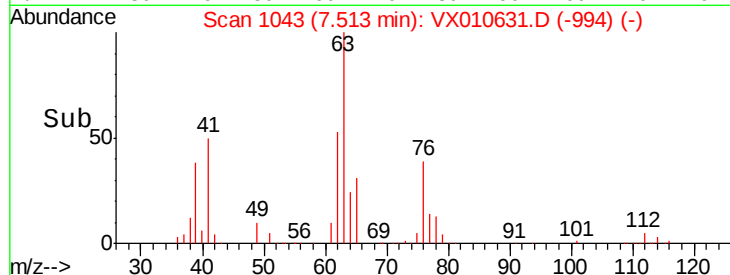
20000

10000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 51.549 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

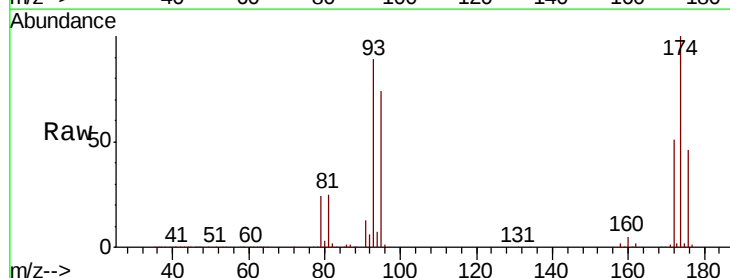
Tgt Ion: 93 Resp: 75103

Ion Ratio Lower Upper

93 100

95 85.4 67.5 101.3

174 115.5 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

60000

50000

40000

30000

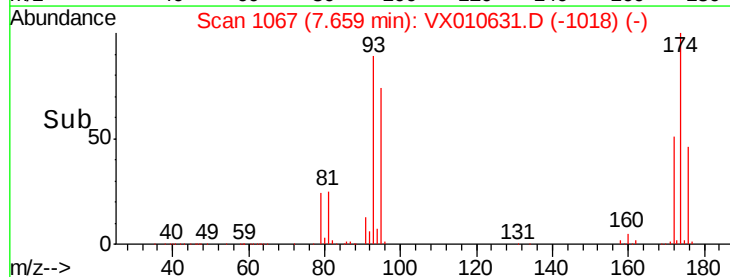
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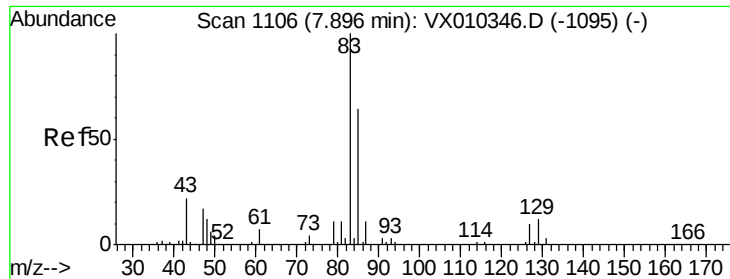
10000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 52.302 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Instrument :

MSVOA_X

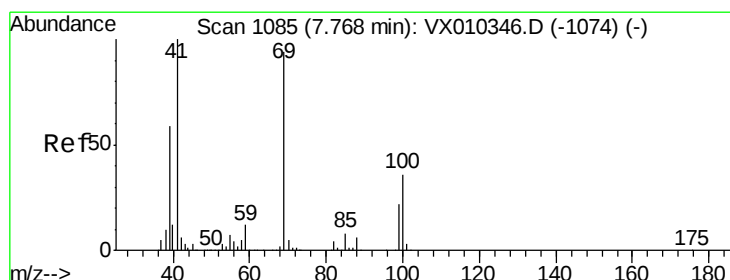
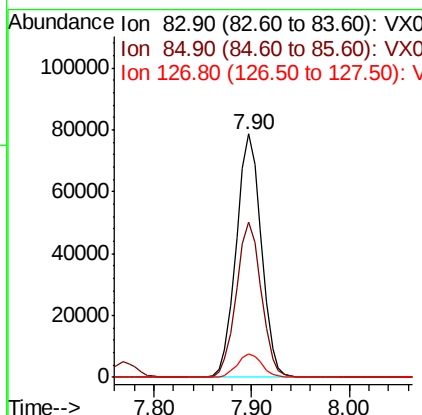
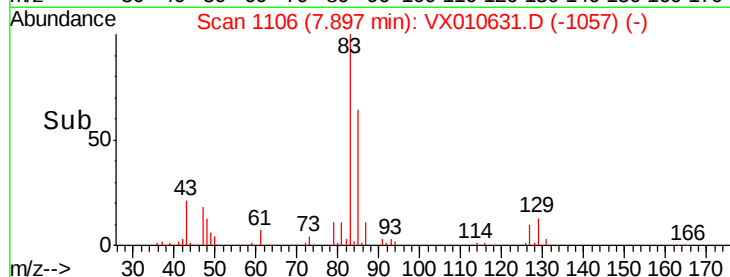
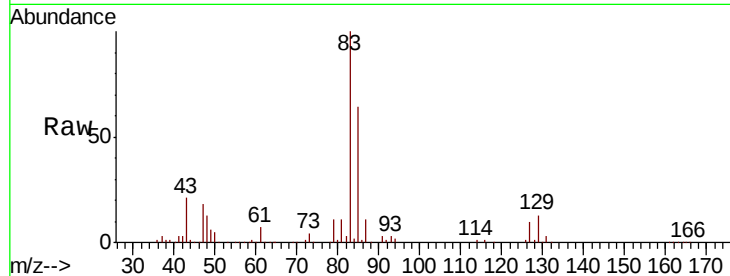
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	139646
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.5	77.3
127	9.5	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.403 ug/l

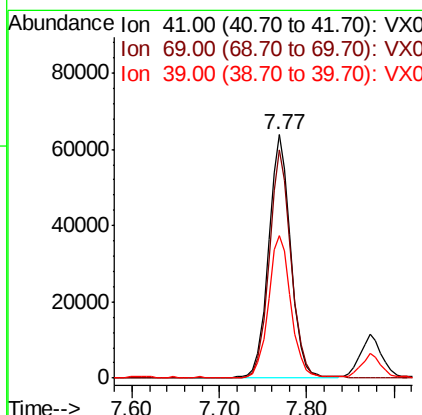
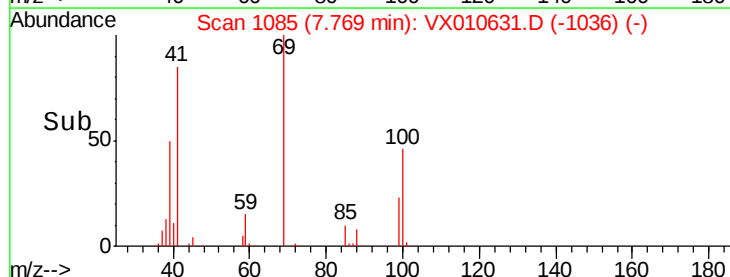
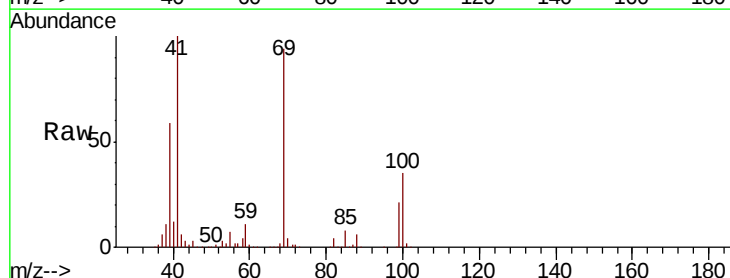
RT: 7.77 min Scan# 1085

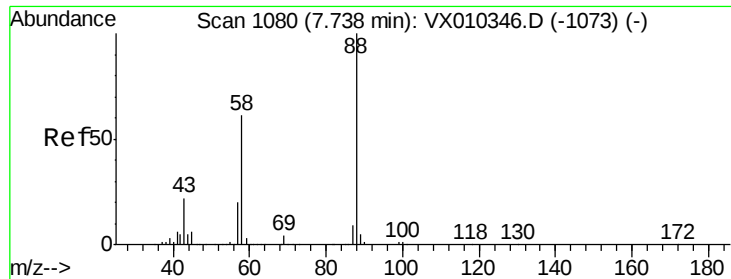
Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Tgt Ion:	41	Resp:	113132
Ion Ratio	Lower	Upper	
41	100		
69	92.9	76.1	114.1
39	59.5	47.6	71.4





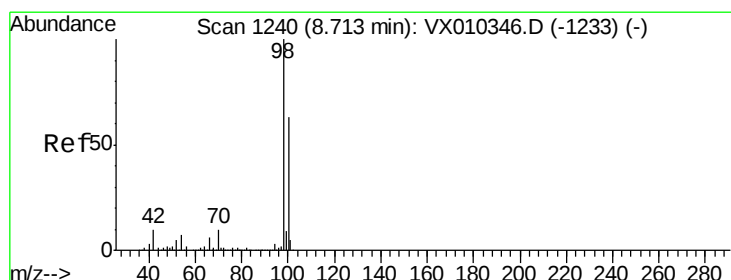
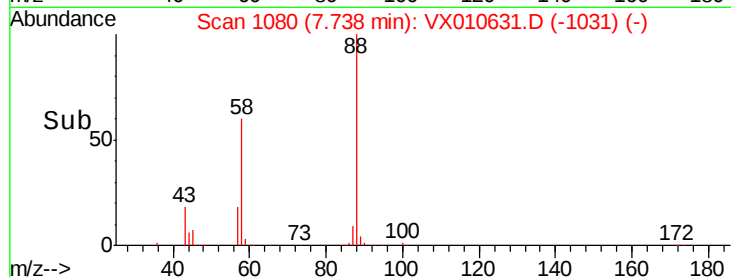
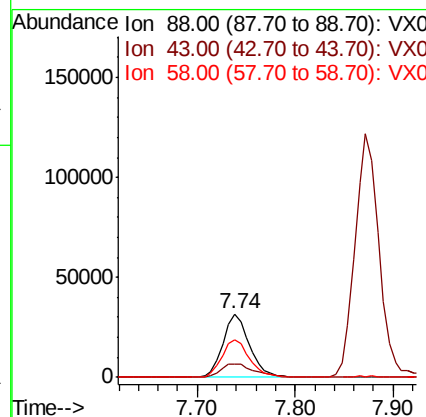
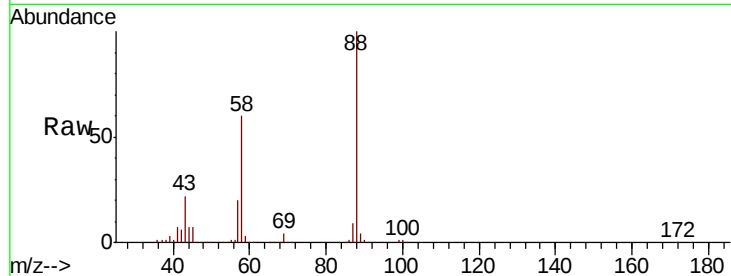
#49
1,4-Dioxane
Concen: 1015.844 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.9	20.2	30.2
58	62.6	49.5	74.3

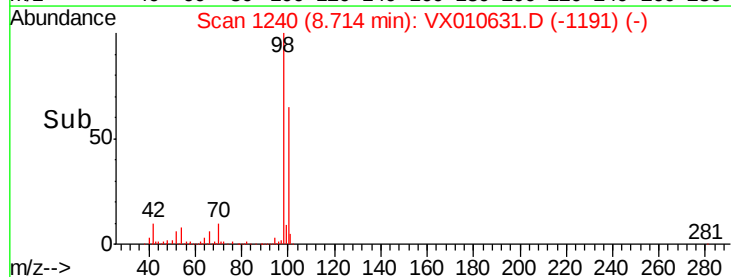
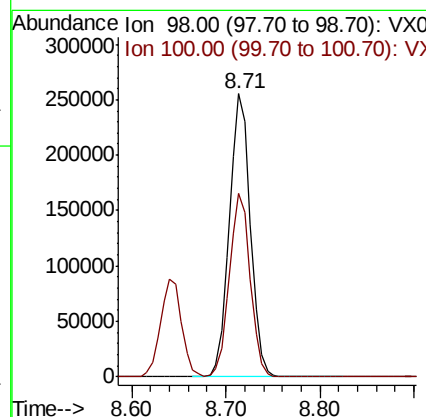
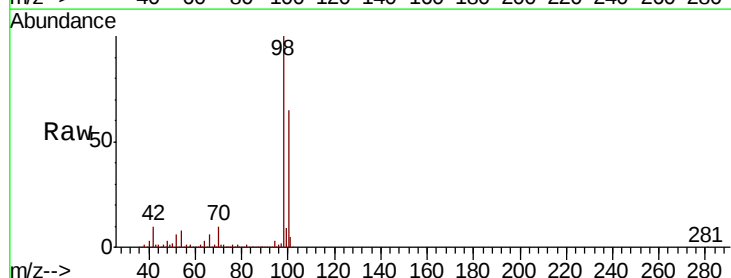
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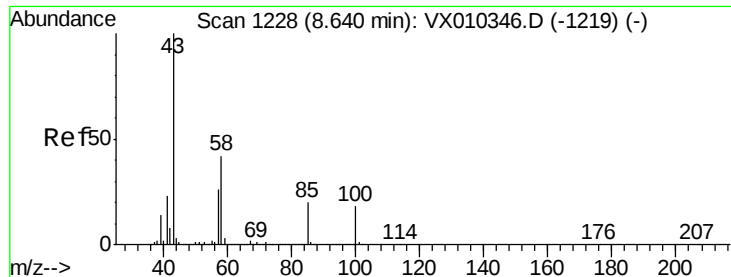
MMDadoda
7/3/2019 9:30:00 AM



#50
Toluene-d8
Concen: 51.730 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





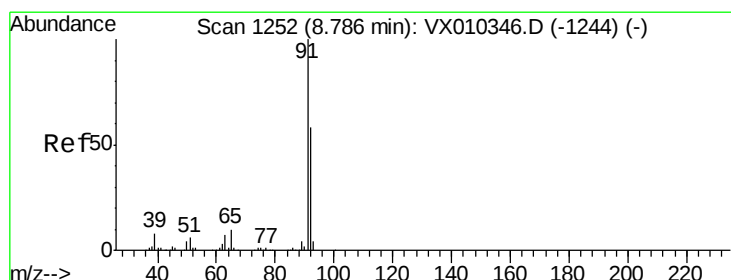
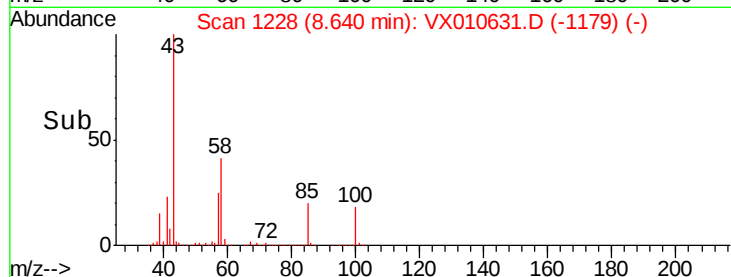
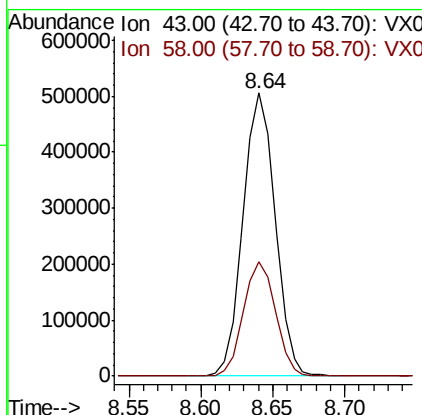
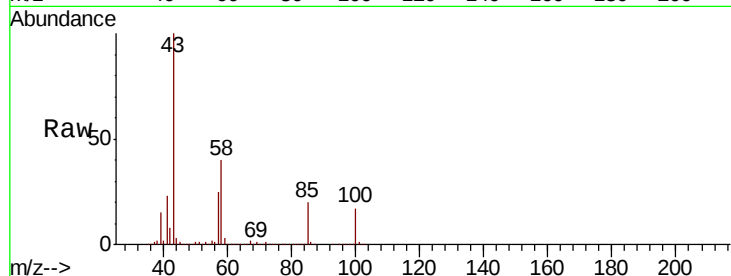
#51
4-Methyl-2-Pentanone
Concen: 278.389 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.5	33.5	50.3

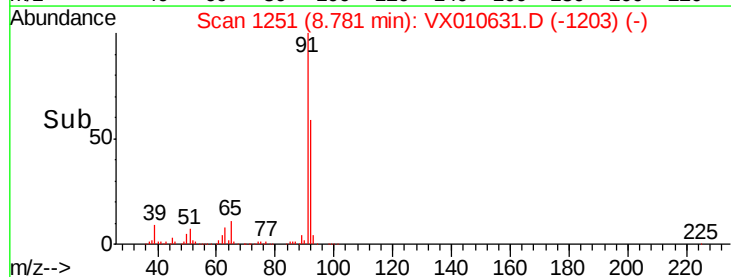
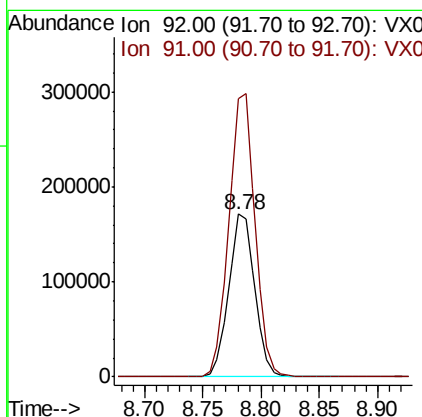
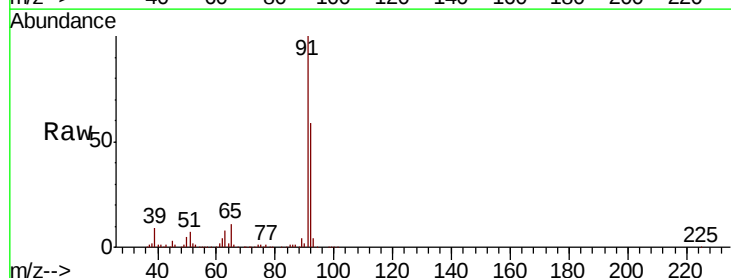
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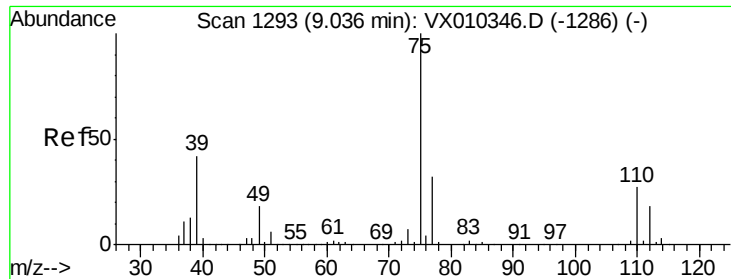
MMDadoda
7/3/2019 9:30:00 AM



#52
Toluene
Concen: 50.291 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.9	139.8	209.6





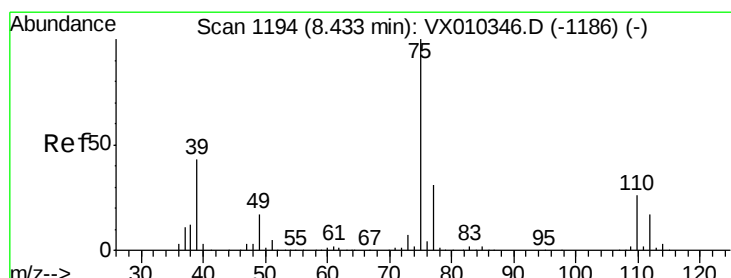
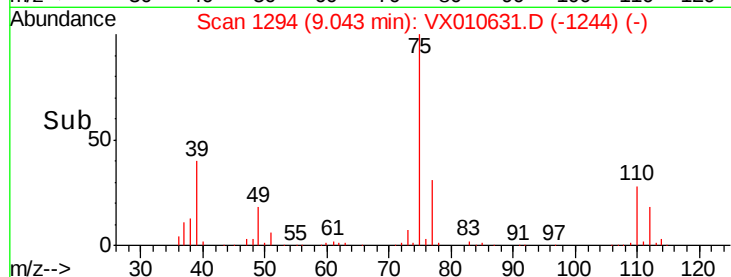
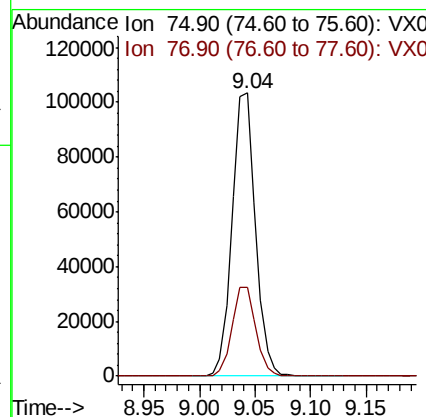
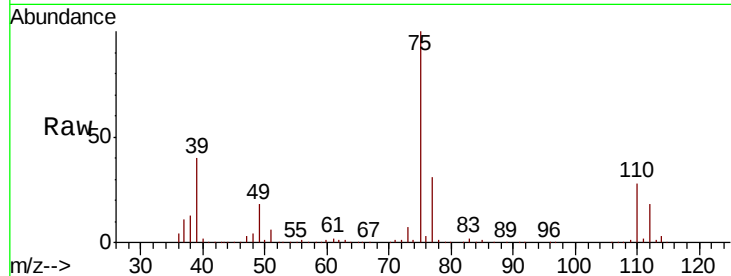
#53
t-1,3-Dichloropropene
Concen: 50.275 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2

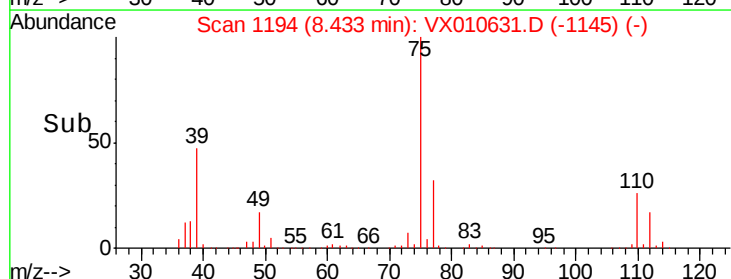
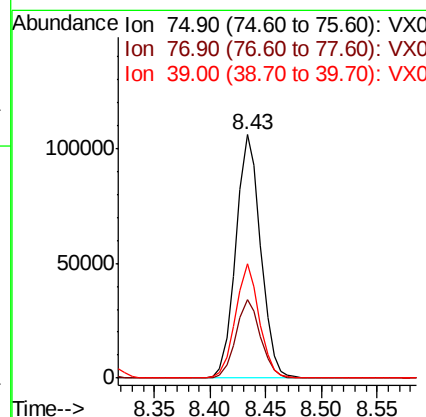
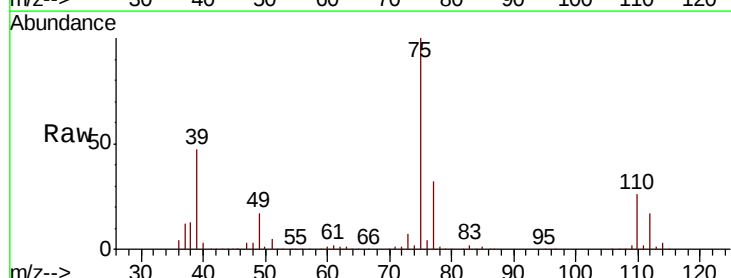
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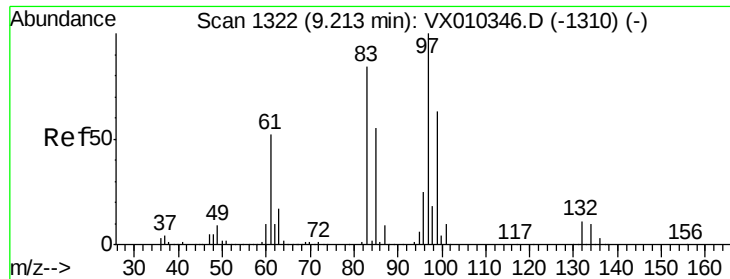
MMDadoda
7/3/2019 9:30:00 AM



#54
cis-1,3-Dichloropropene
Concen: 50.350 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.2	37.8
39	46.7	34.5	51.7





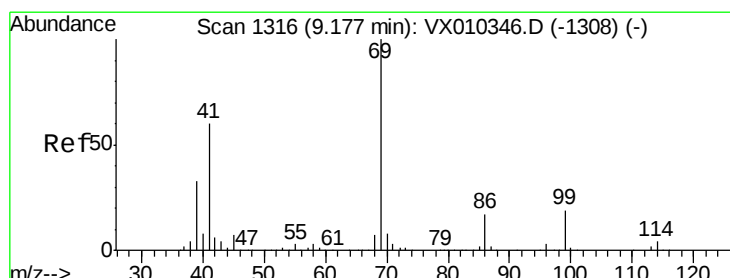
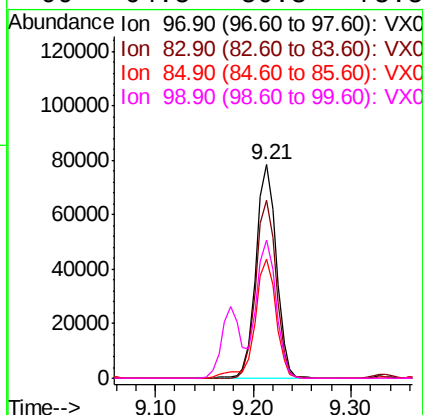
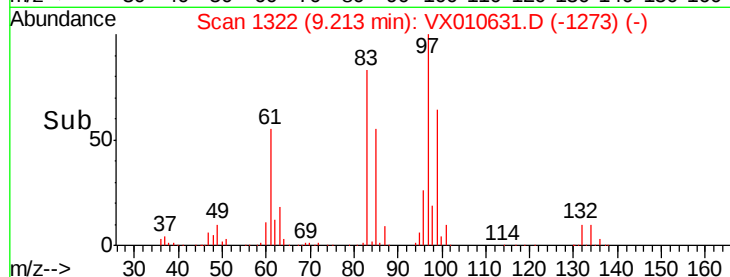
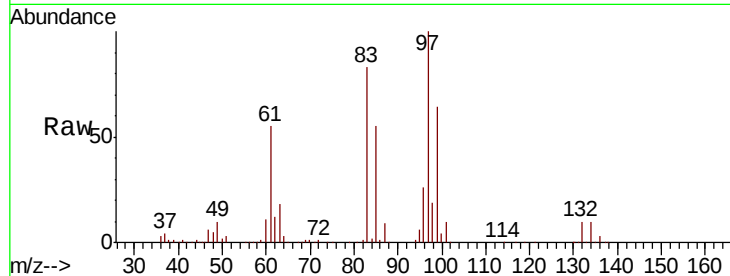
#55
 1,1,2-Trichloroethane
 Concen: 52.382 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		114399		
83	83.4	67.4	101.0		
85	55.5	43.8	65.8		
99	64.5	50.3	75.5		

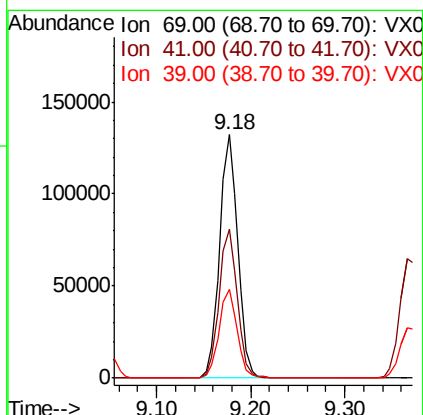
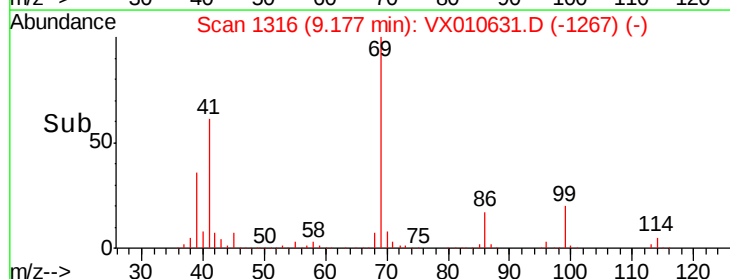
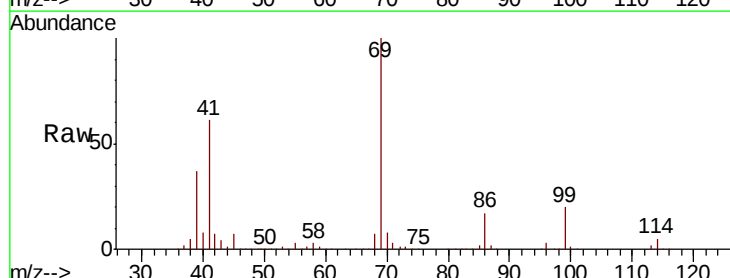
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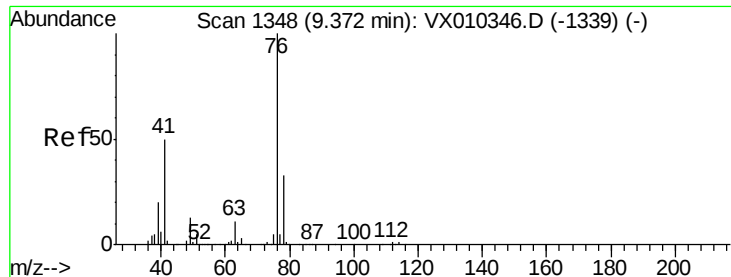
MMDadoda
 7/3/2019 9:30:00 AM



#56
 Ethyl methacrylate
 Concen: 53.583 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		177273		
41	60.8	47.1	70.7		
39	36.1	26.6	40.0		





#57

1,3-Dichloropropane

Concen: 53.079 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 179944

Ion Ratio Lower Upper

76 100

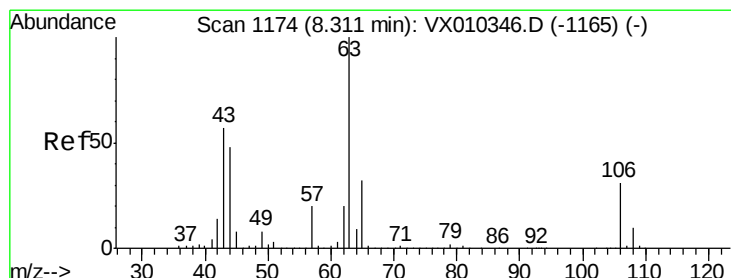
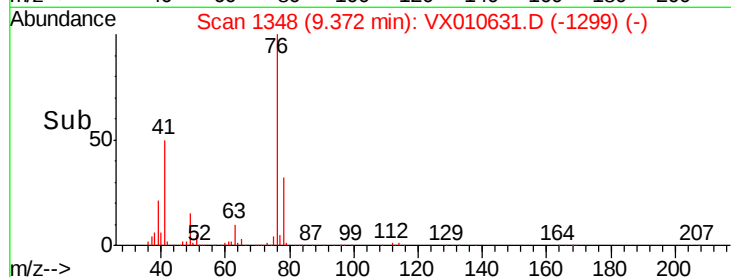
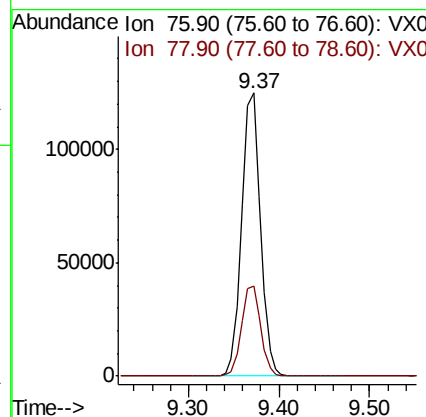
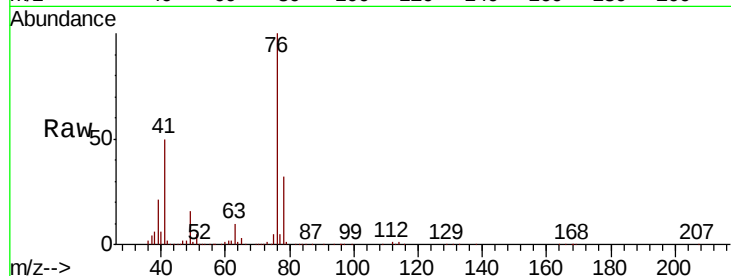
78 32.3 26.1 39.1

Manual Integrations

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MMDadoda

7/3/2019 9:30:00 AM



#58

2-Chloroethyl Vinyl ether

Concen: 246.970 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010631.D

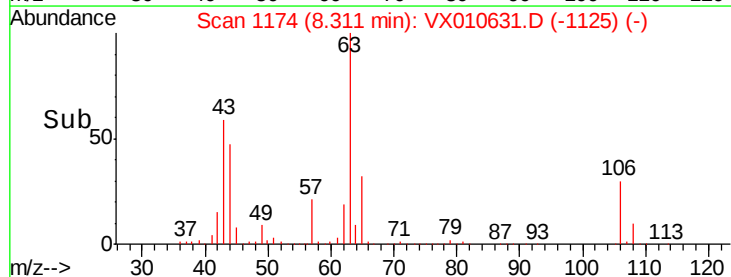
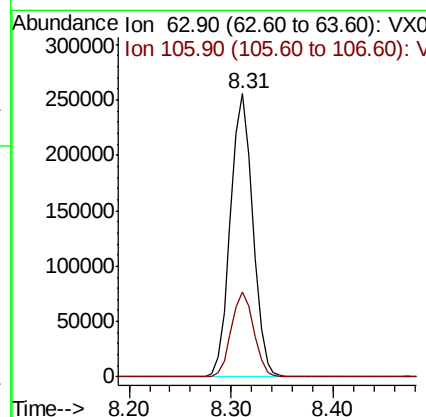
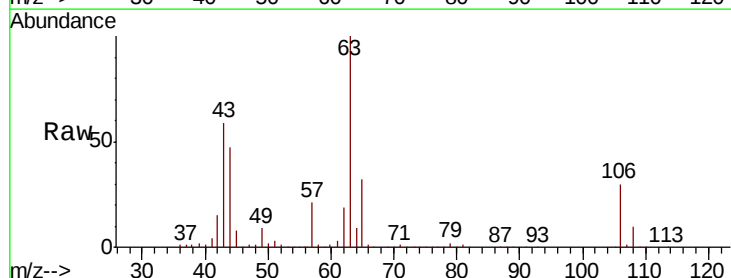
Acq: 02 Jul 2019 20:41

Tgt Ion: 63 Resp: 388047

Ion Ratio Lower Upper

63 100

106 30.2 24.7 37.1





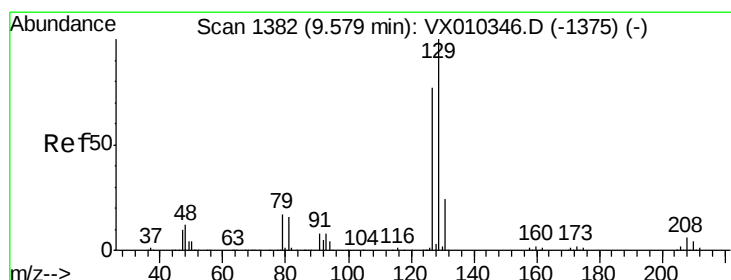
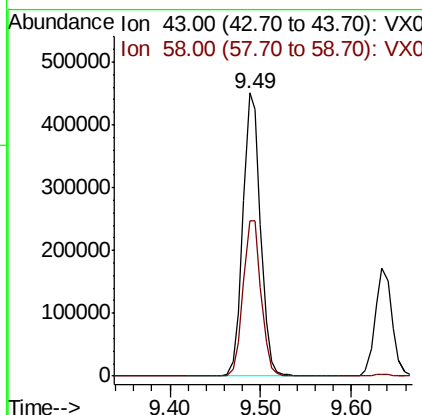
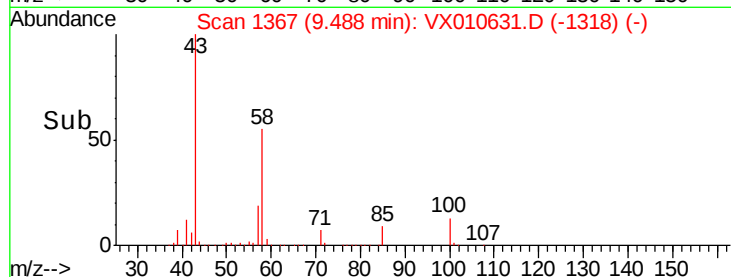
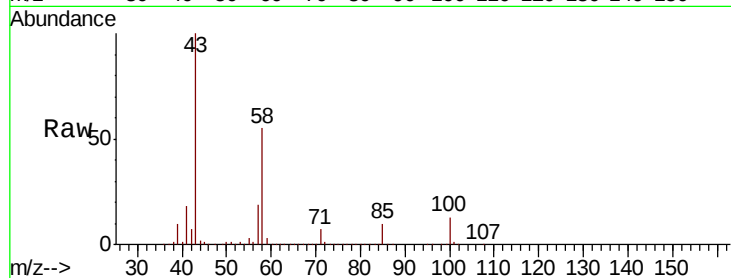
#59
2-Hexanone
Concen: 273.202 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 604131
Ion Ratio Lower Upper
43 100
58 56.3 29.0 87.1

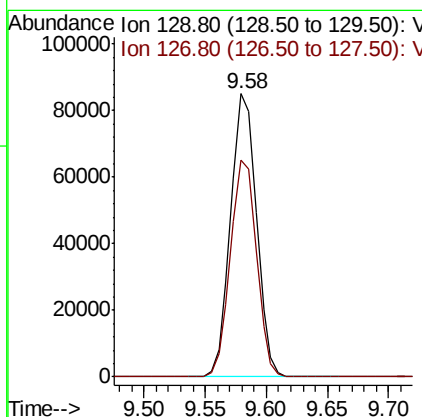
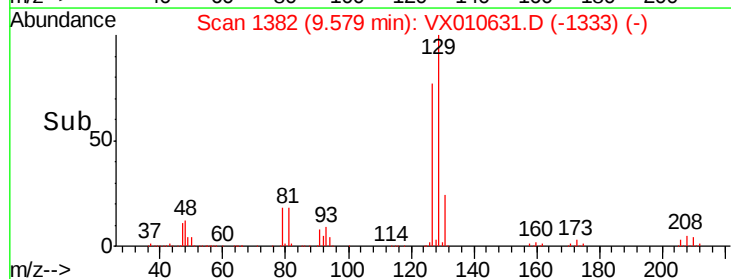
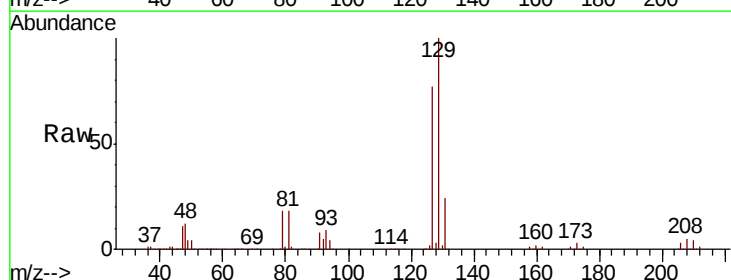
Manual Integrations
APPROVED

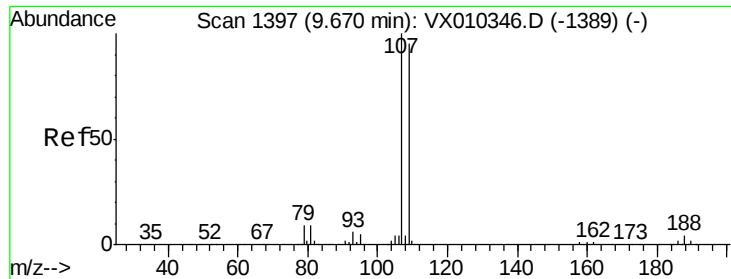
MMDadoda
7/3/2019 9:30:00 AM



#60
Dibromochloromethane
Concen: 50.997 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion: 129 Resp: 124701
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 52.127 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 122878

Ion Ratio Lower Upper

107 100

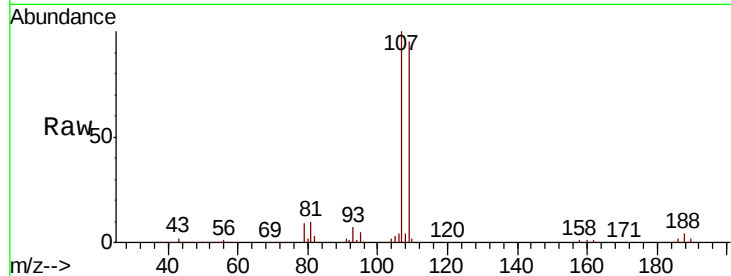
109 94.0 75.8 113.6

Manual Integrations

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MMDadoda

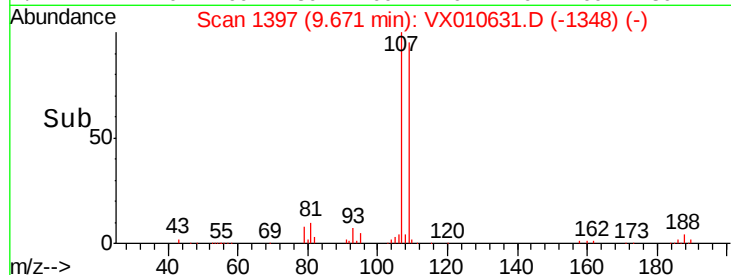
7/3/2019 9:30:00 AM



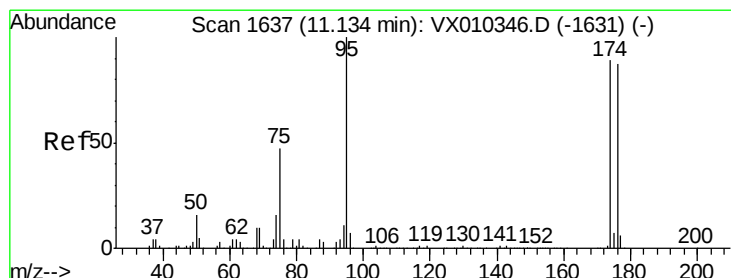
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67



Time-->



#62

4-Bromofluorobenzene

Concen: 54.527 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

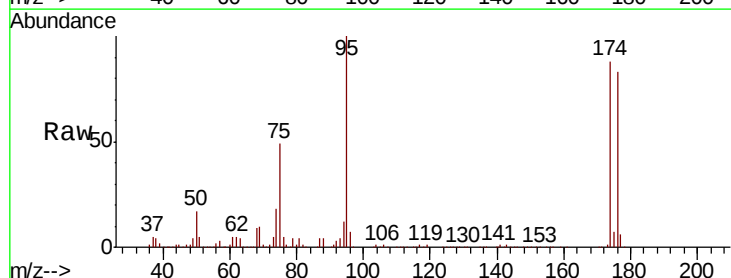
Tgt Ion: 95 Resp: 149668

Ion Ratio Lower Upper

95 100

174 90.6 0.0 187.6

176 89.0 0.0 184.0

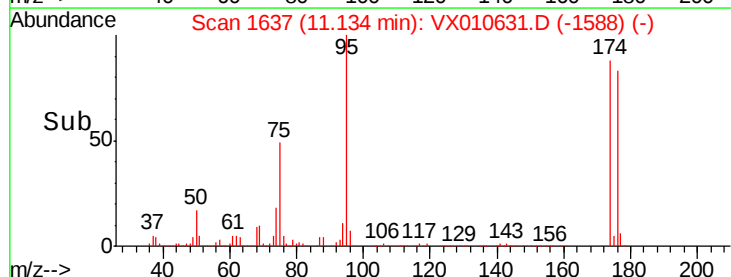


Abundance Ion 94.90 (94.60 to 95.60): VX0

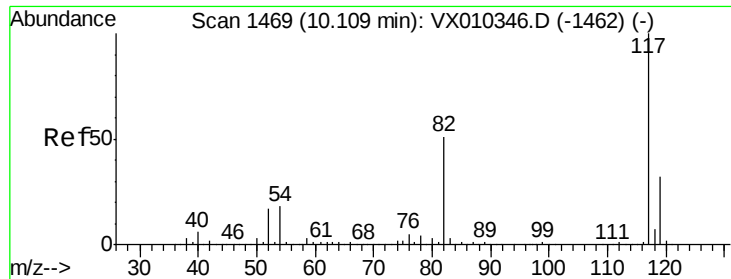
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13



Time-->



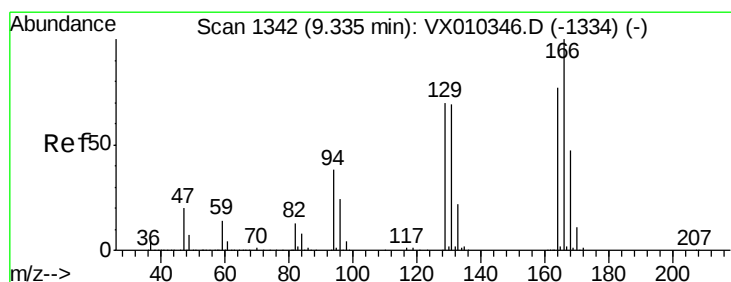
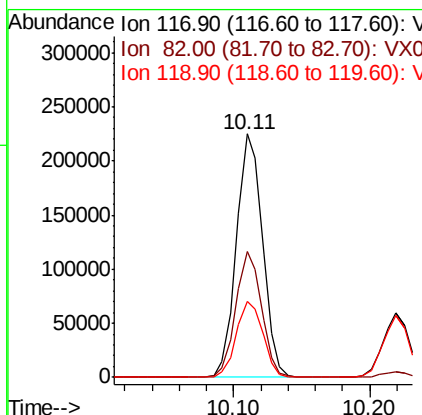
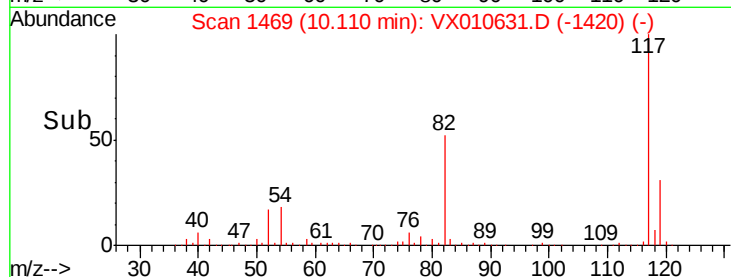
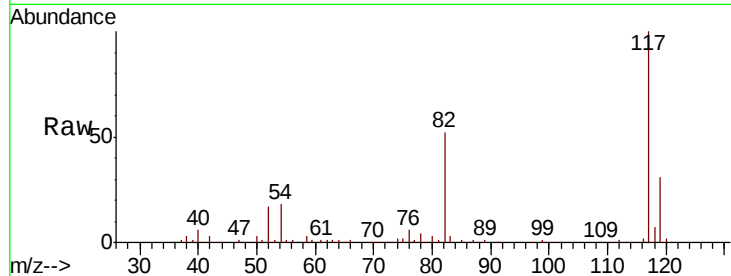
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.2	61.8
119	31.0	25.5	38.3

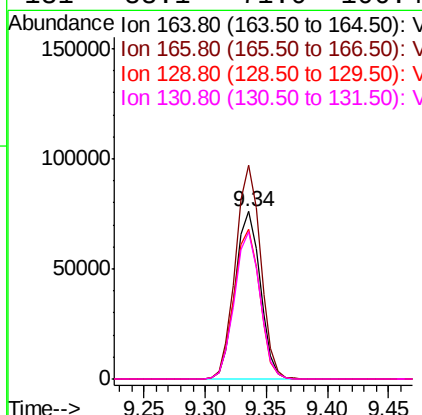
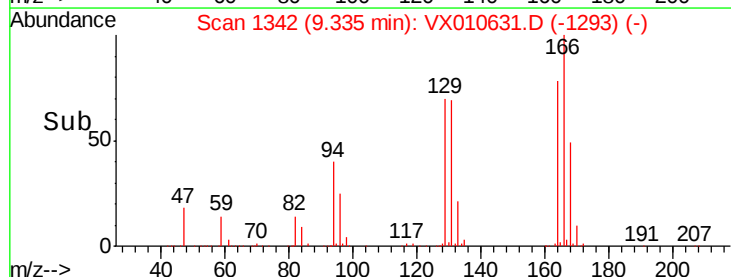
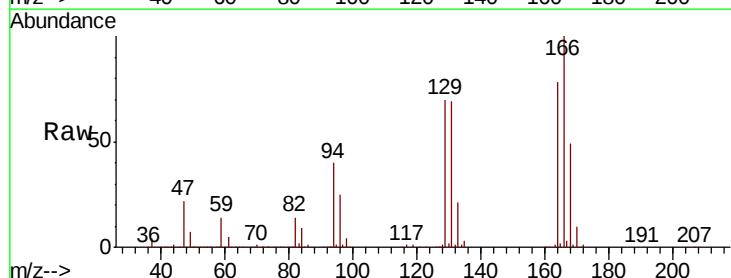
Manual Integrations
APPROVED

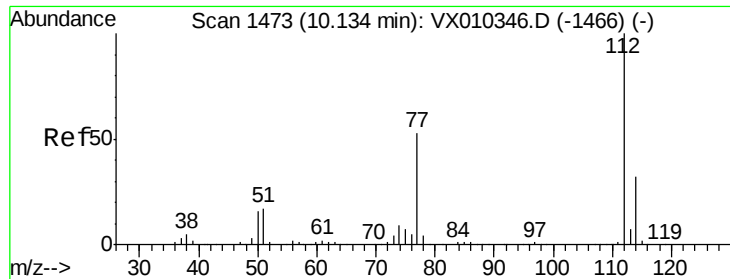
MMDadoda
7/3/2019 9:30:00 AM



#64
Tetrachloroethene
Concen: 44.467 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.6	155.4
129	89.4	73.0	109.4
131	88.1	71.0	106.4





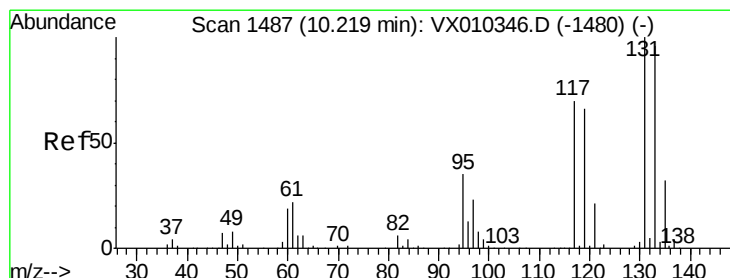
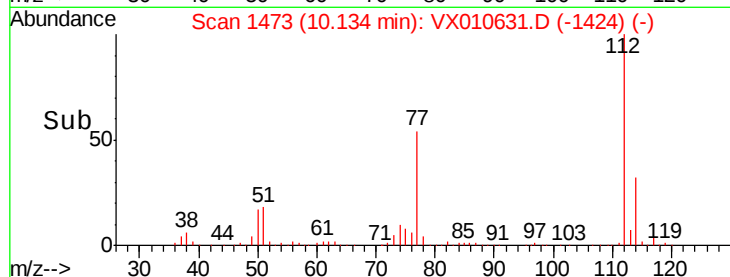
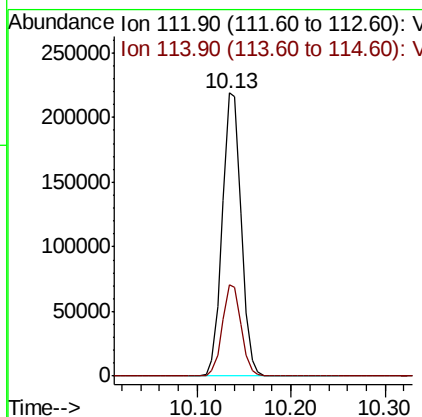
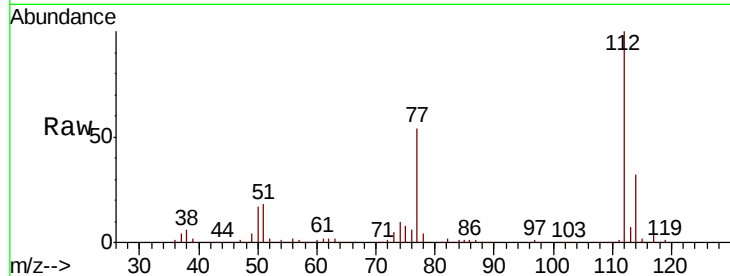
#65
Chlorobenzene
Concen: 49.798 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 304643
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2

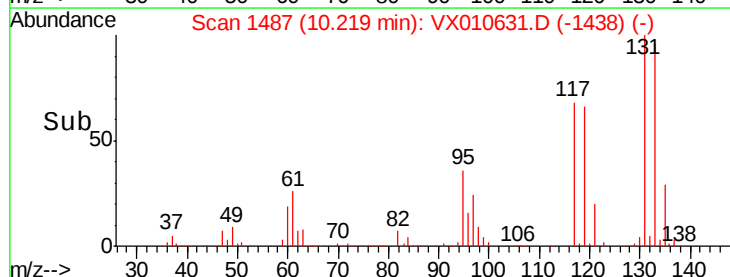
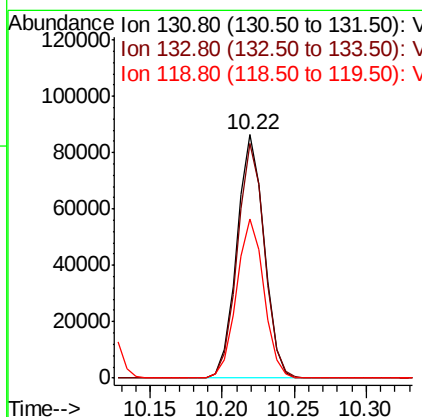
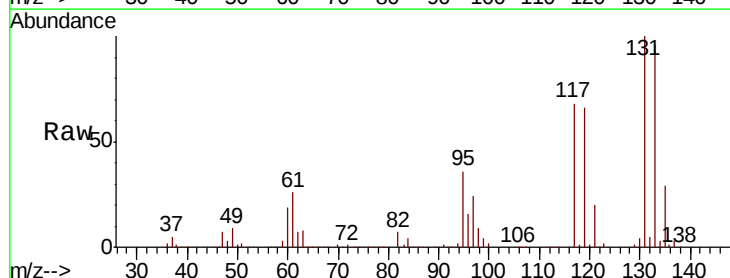
Manual Integrations
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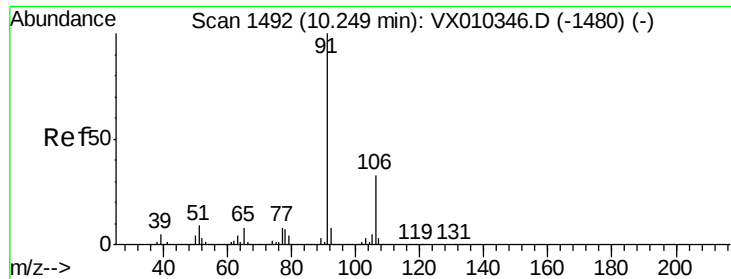
MMDadoda
7/3/2019 9:30:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.099 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion:131 Resp: 113865
Ion Ratio Lower Upper
131 100
133 96.2 47.7 143.1
119 65.8 32.6 97.7





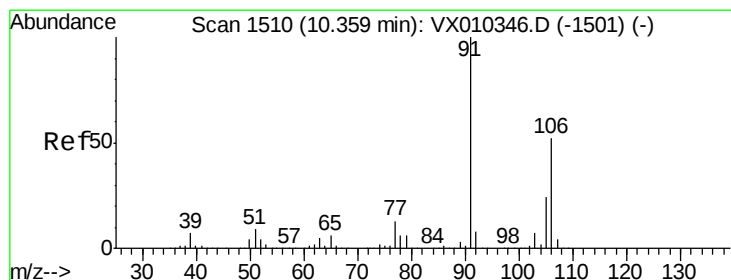
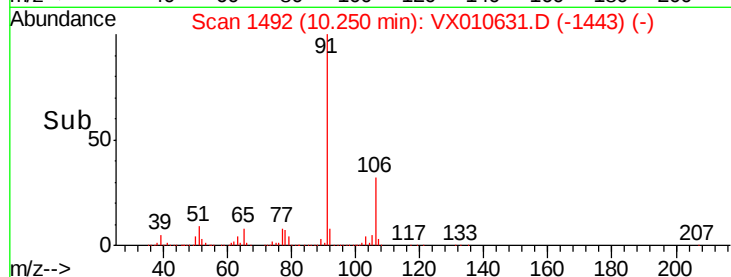
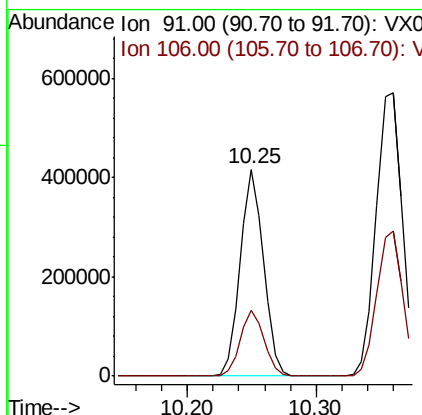
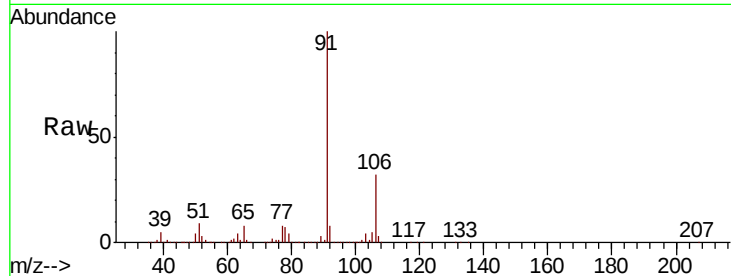
#67
Ethyl Benzene
Concen: 50.663 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 523230
Ion Ratio Lower Upper
91 100
106 31.6 26.2 39.2

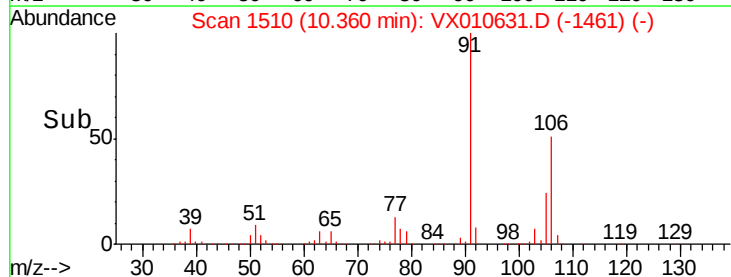
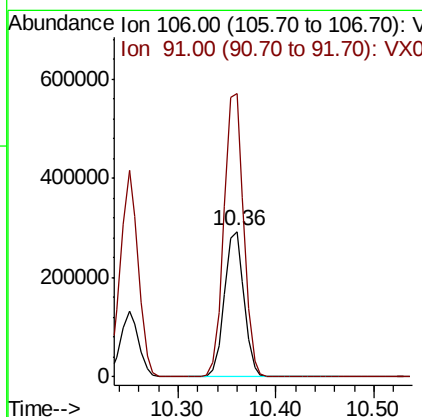
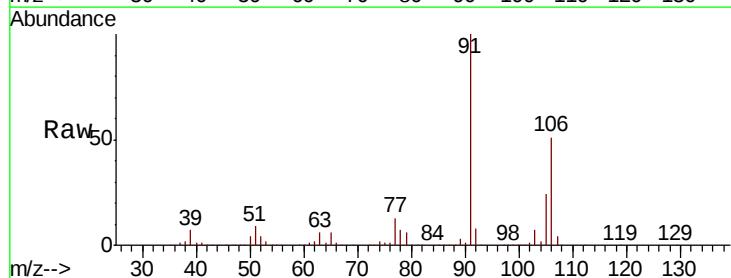
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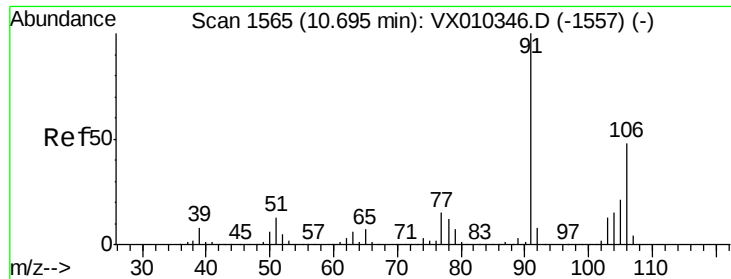
MMDadoda
7/3/2019 9:30:00 AM



#68
m/p-Xylenes
Concen: 101.203 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion: 106 Resp: 404990
Ion Ratio Lower Upper
106 100
91 197.3 155.3 232.9





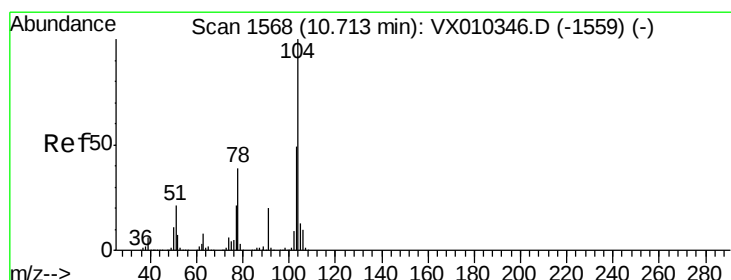
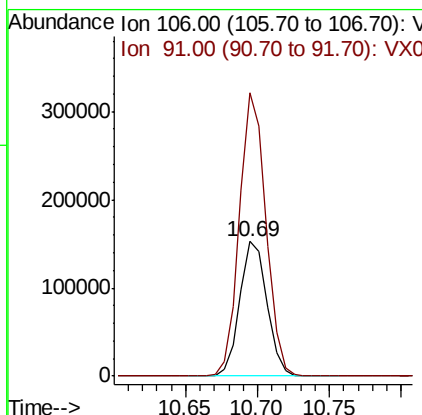
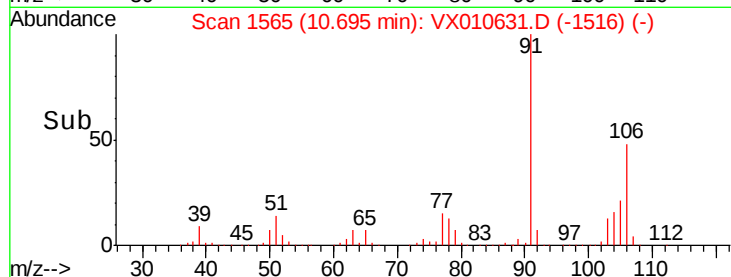
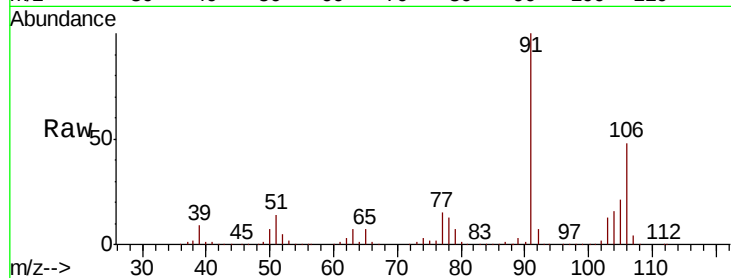
#69
o-Xylene
Concen: 50.966 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.2	102.7	308.1	

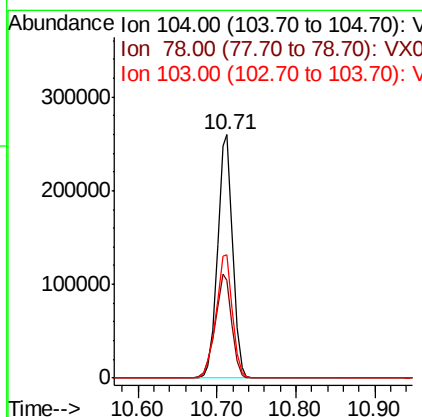
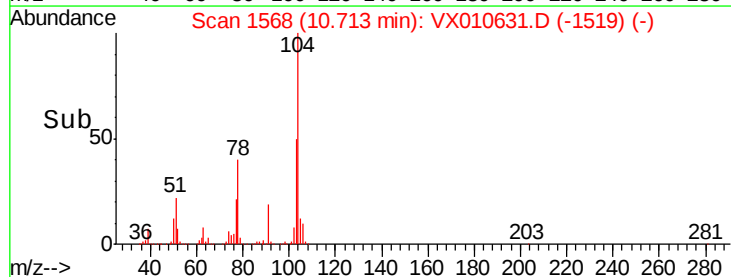
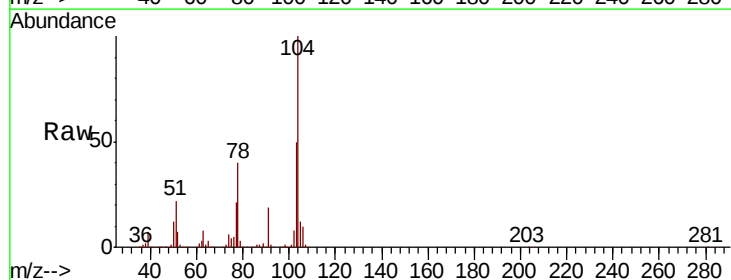
Manual Integrations
APPROVED

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7/3/2019 9:30:00 AM



#70
Styrene
Concen: 52.275 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.7	36.2	54.2	
103	55.4	44.2	66.4	





#71

Bromoform

Concen: 49.945 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 96784

Ion Ratio Lower Upper

173 100

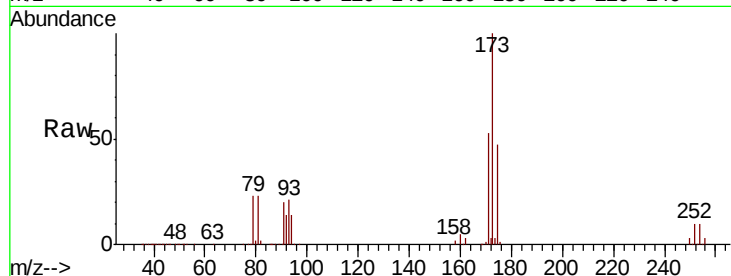
175 48.5 24.1 72.3

254 0.1 0.2 0.2#

Manual Integrations
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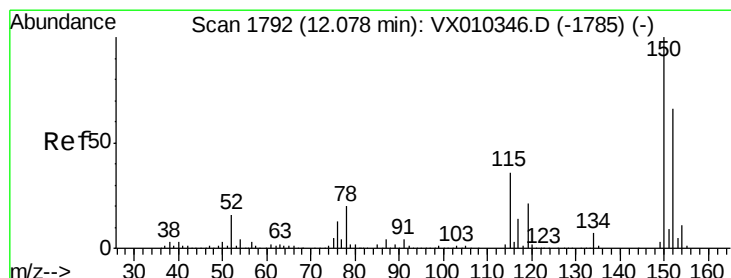
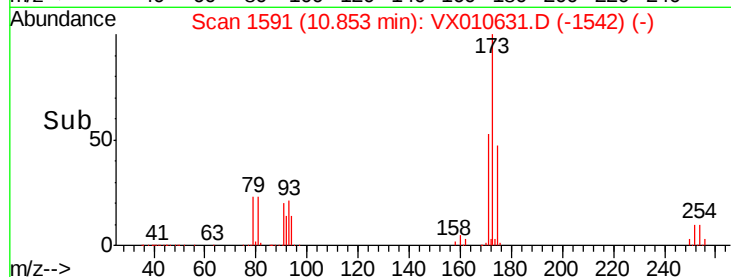
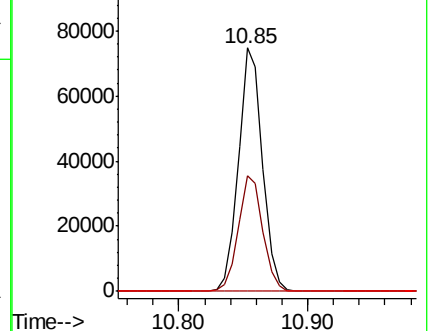
7/3/2019 9:30:00 AM



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: VX010631.D

Acq: 02 Jul 2019 20:41

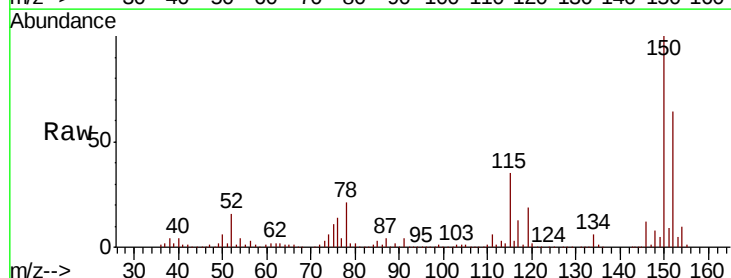
Tgt Ion:152 Resp: 158014

Ion Ratio Lower Upper

152 100

115 78.5 38.6 115.7

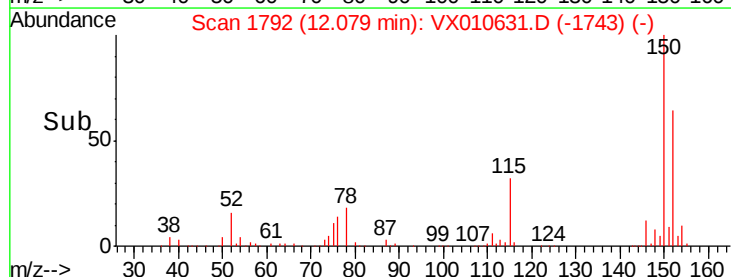
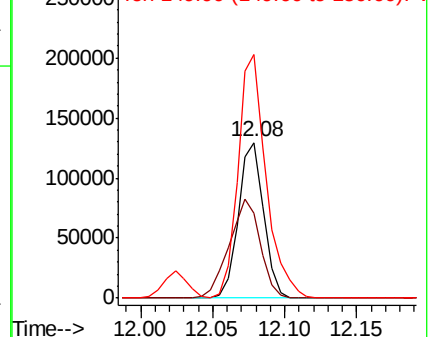
150 174.0 0.0 347.4

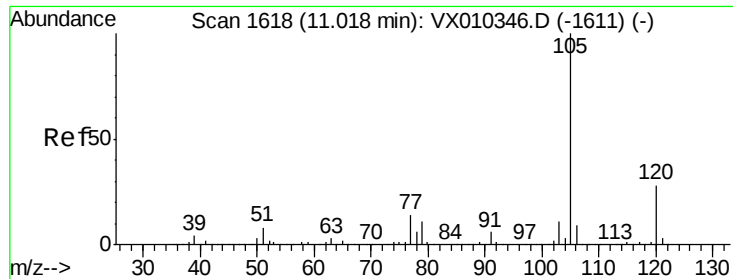


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.502 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 530233

Ion Ratio Lower Upper

105 100

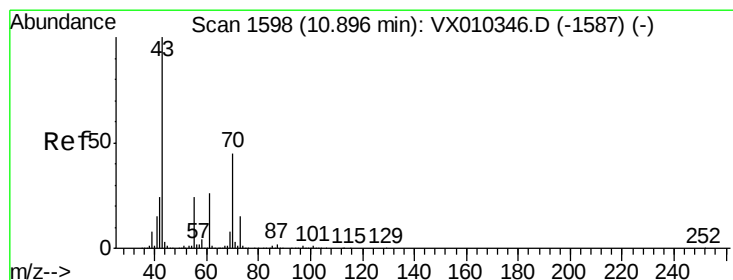
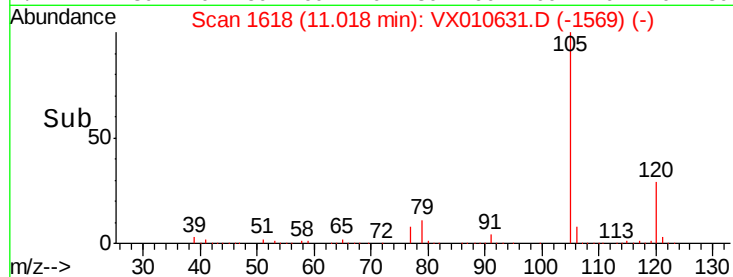
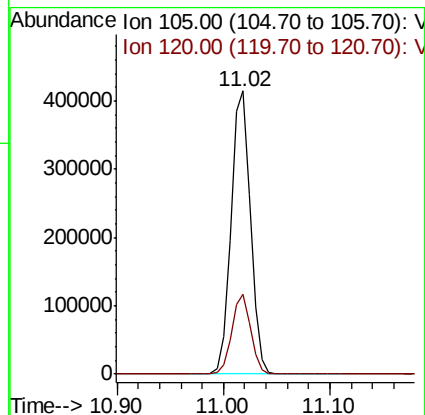
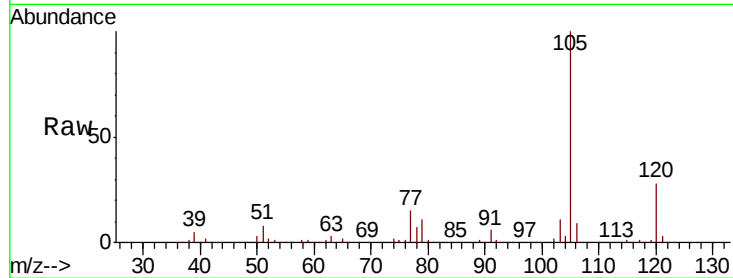
120 27.4 14.1 42.4

Manual Integrations

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7/3/2019 9:30:00 AM



#74

N-ethyl acetate

Concen: 53.989 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Tgt Ion: 43 Resp: 218553

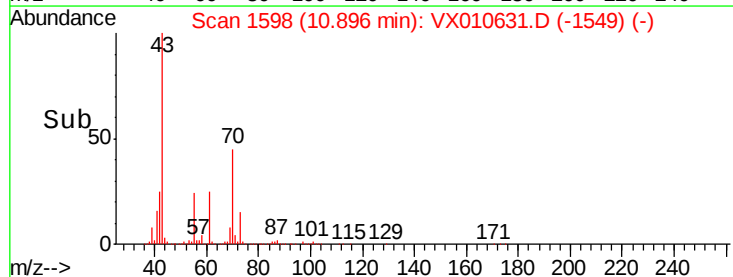
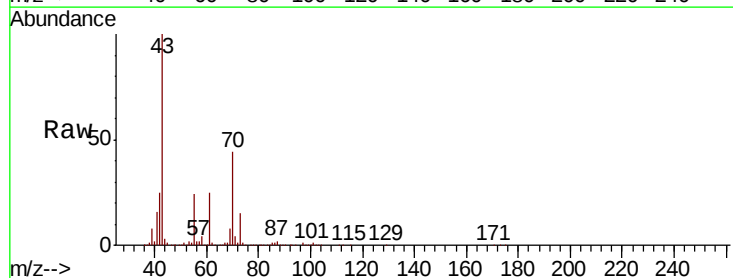
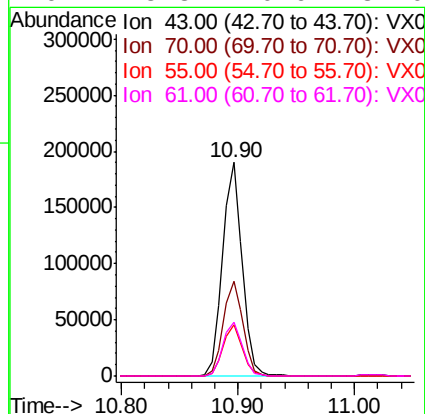
Ion Ratio Lower Upper

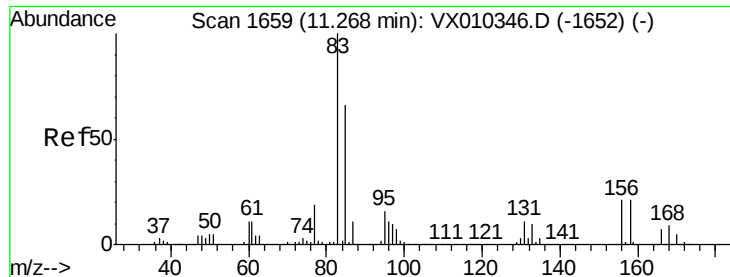
43 100

70 44.9 36.6 54.8

55 24.2 18.7 28.1

61 25.3 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.090 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 184779

Ion Ratio Lower Upper

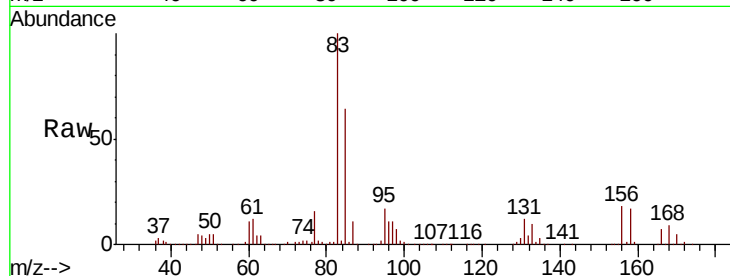
83 100

131 11.0 5.5 16.4

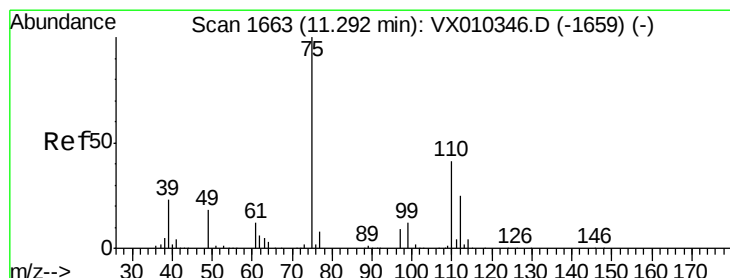
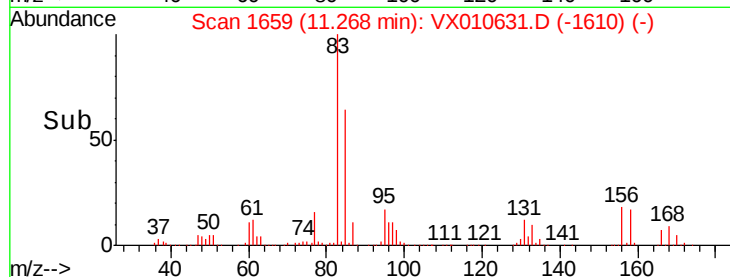
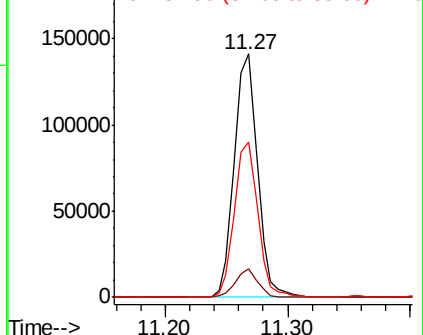
85 64.4 32.3 96.8

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



#76

1,2,3-Trichloropropane

Concen: 52.172 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010631.D

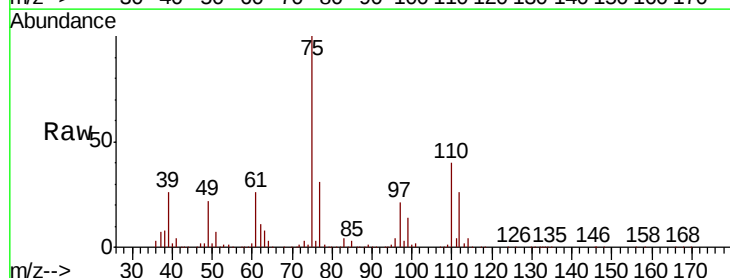
Acq: 02 Jul 2019 20:41

Tgt Ion: 75 Resp: 150226

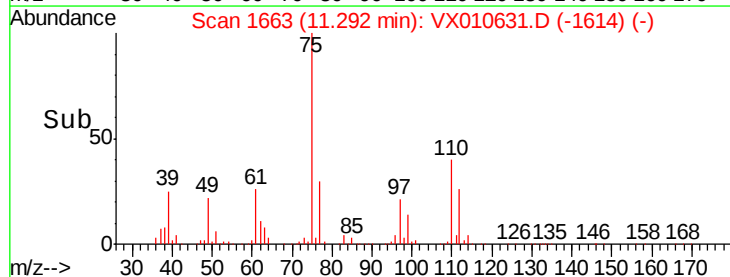
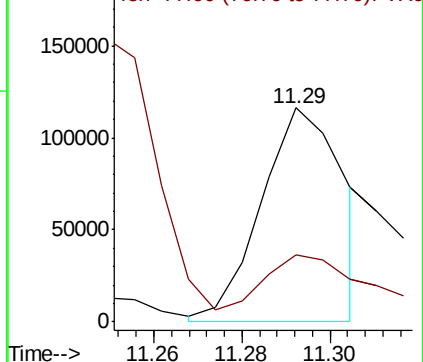
Ion Ratio Lower Upper

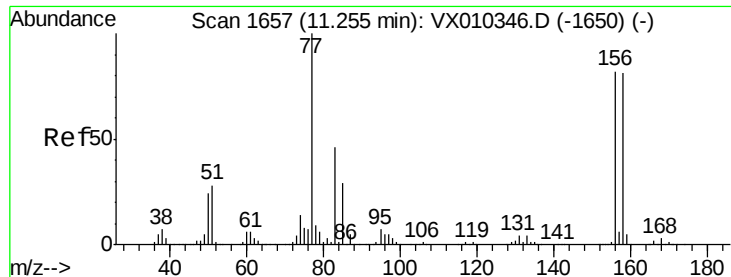
75 100

77 42.3 22.6 67.8



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





#77

Bromobenzene

Concen: 48.613 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 145399

Ion Ratio Lower Upper

156 100

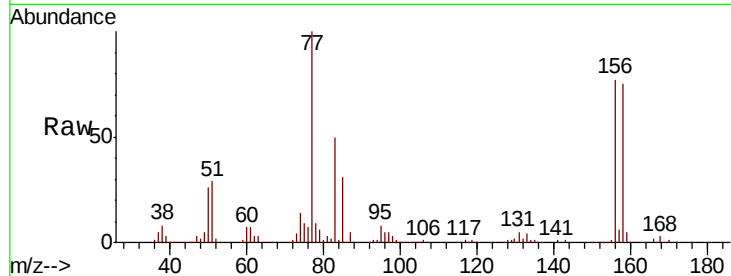
77 137.5 66.3 198.7

158 97.7 48.9 146.7

Manual Integrations
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MMDadoda

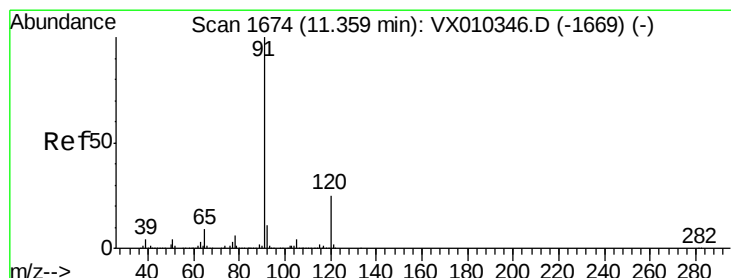
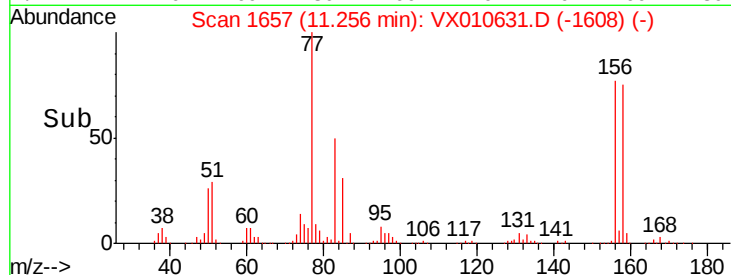
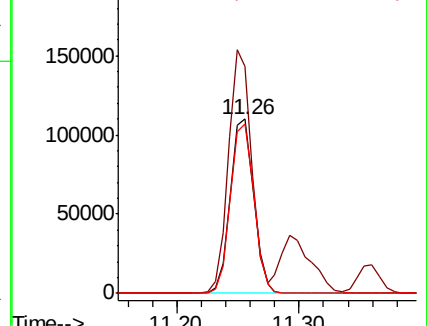
7/3/2019 9:30:00 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.851 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010631.D

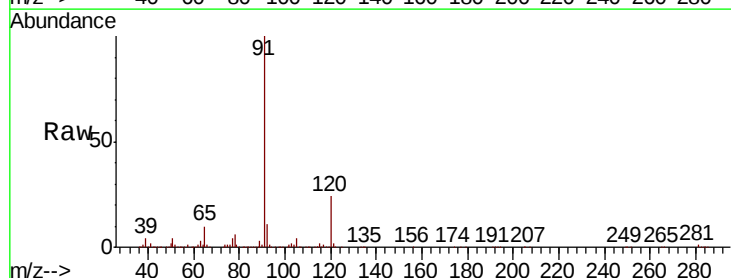
Acq: 02 Jul 2019 20:41

Tgt Ion: 91 Resp: 598629

Ion Ratio Lower Upper

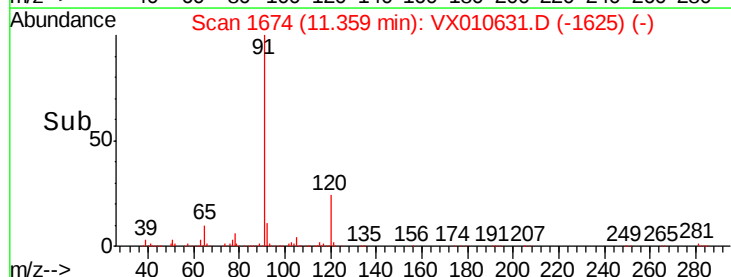
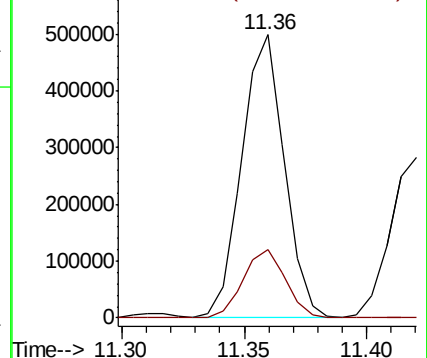
91 100

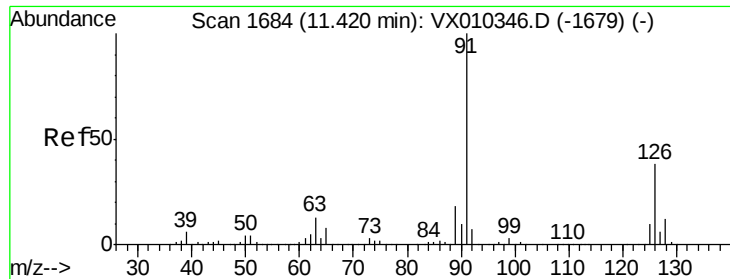
120 24.3 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





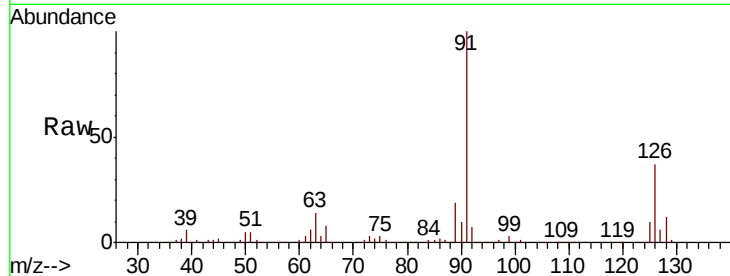
#79
 2-Chlorotoluene
 Concen: 50.660 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

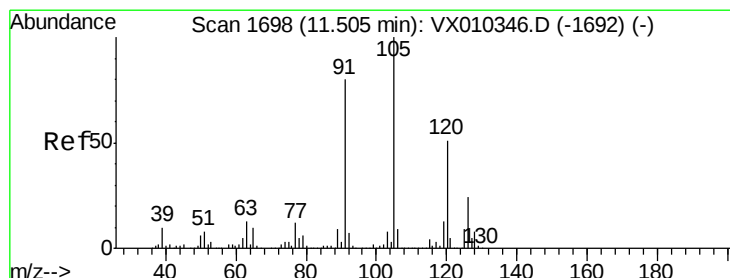
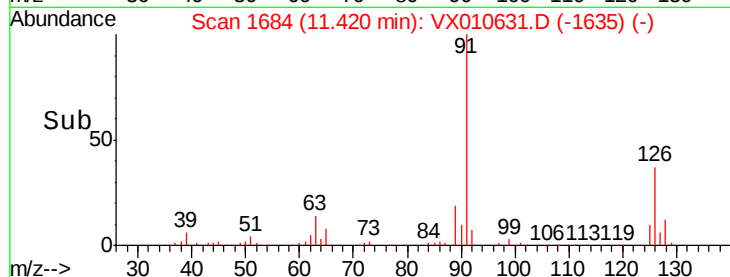
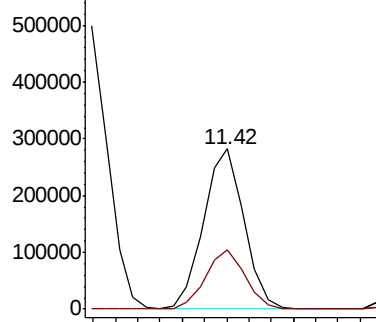
Tot Ion: 91 Resp: 355133
 Ion Ratio Lower Upper
 91 100
 126 36.9 18.7 56.1

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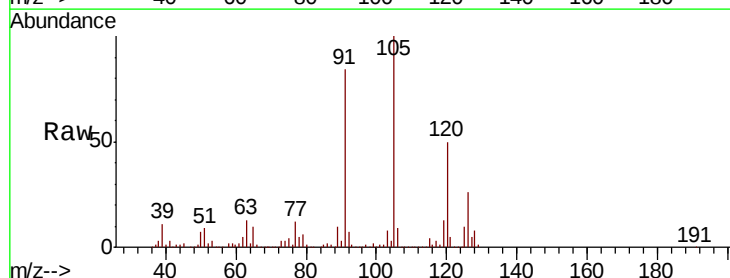


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

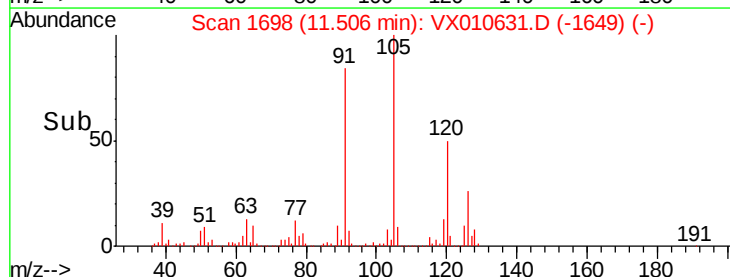
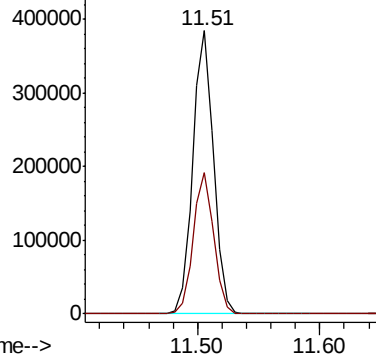


#80
 1,3,5-Trimethylbenzene
 Concen: 51.109 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Tgt Ion: 105 Resp: 451303
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.2 75.6



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





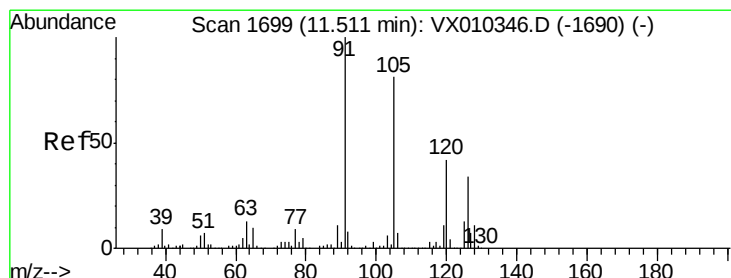
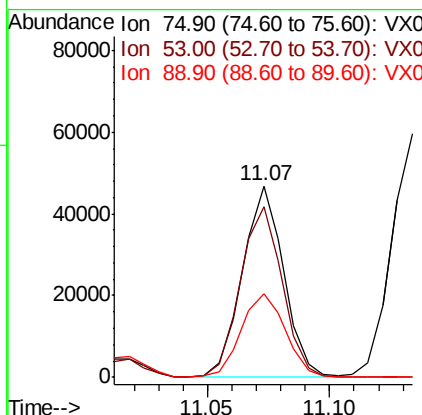
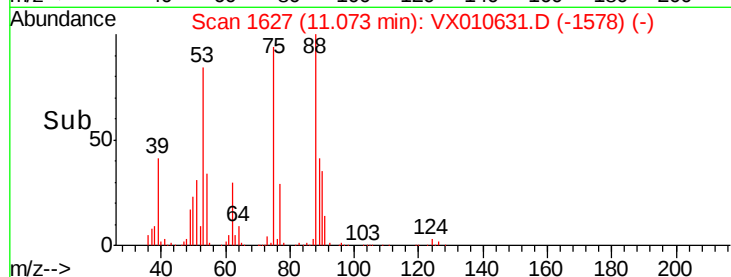
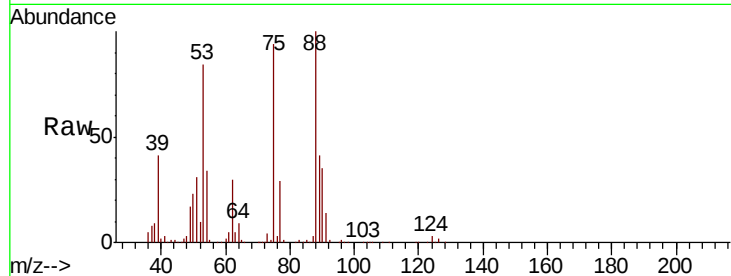
#81
trans-1,4-Dichloro-2-butene
Concen: 44.274 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.3	66.1	99.1
89	46.9	37.8	56.6

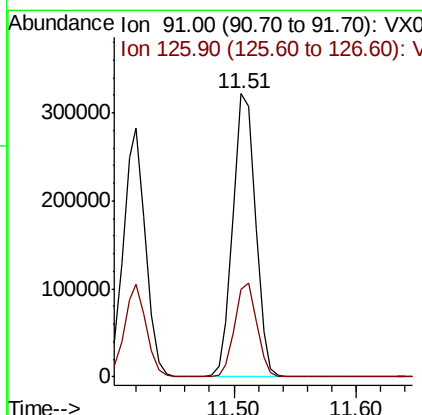
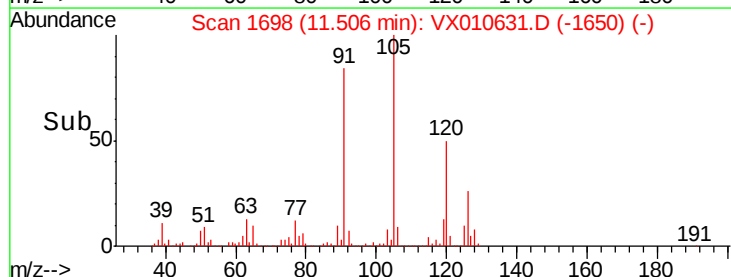
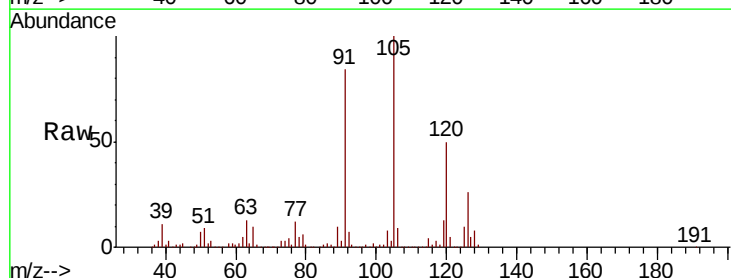
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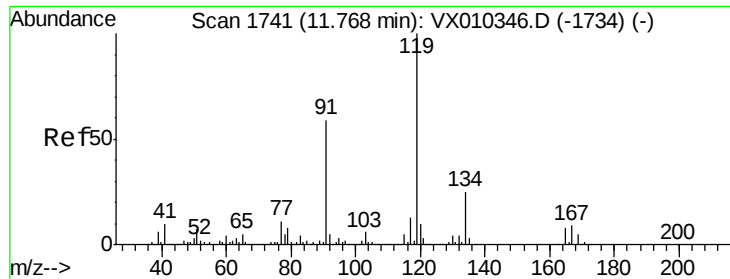
MMDadoda
7/3/2019 9:30:00 AM



#82
4-Chlorotoluene
Concen: 51.491 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.6





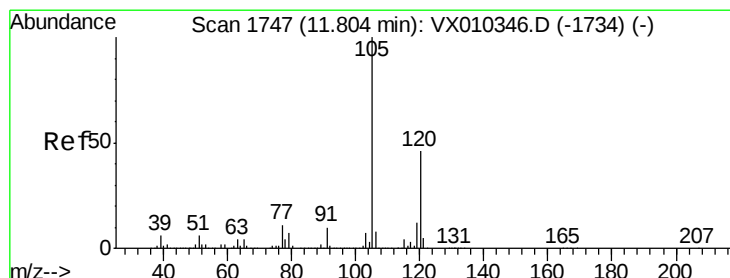
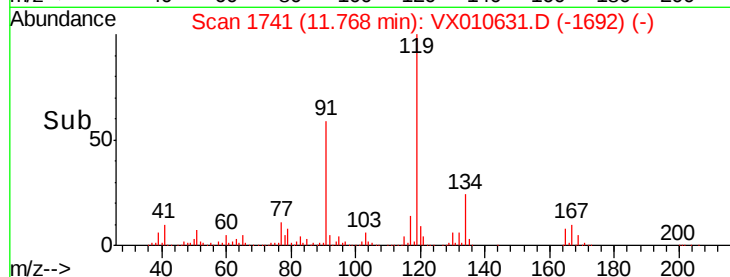
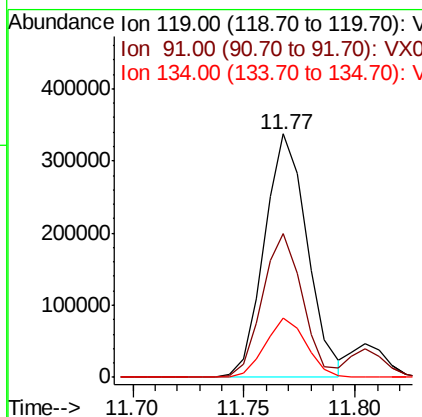
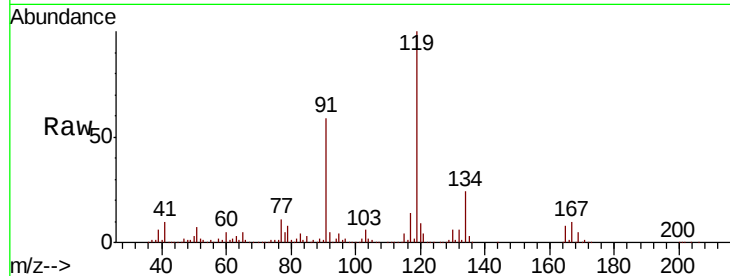
#83
tert-Butylbenzene
Concen: 50.802 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.0	27.6	82.7
134	23.3	11.8	35.4

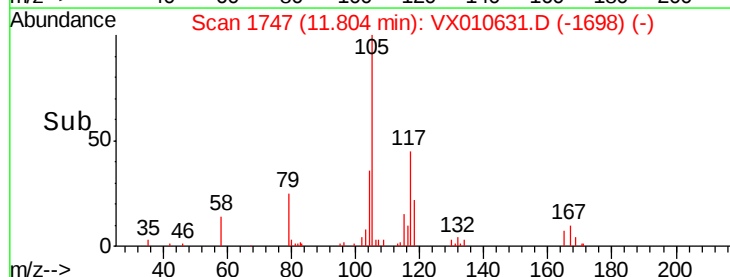
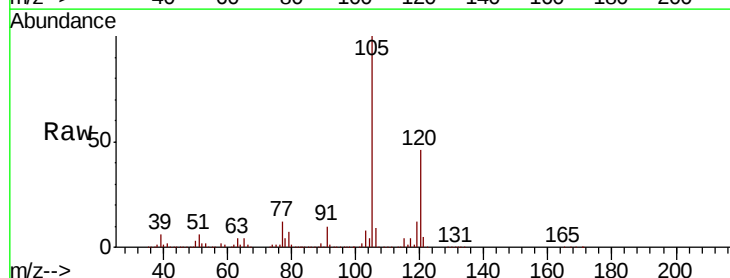
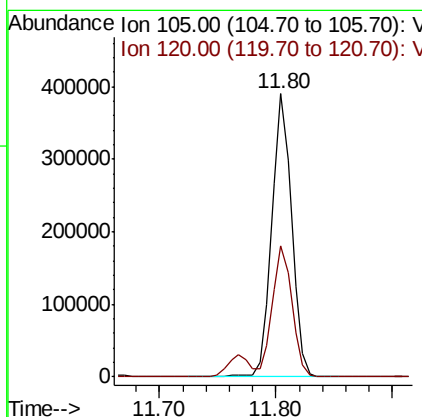
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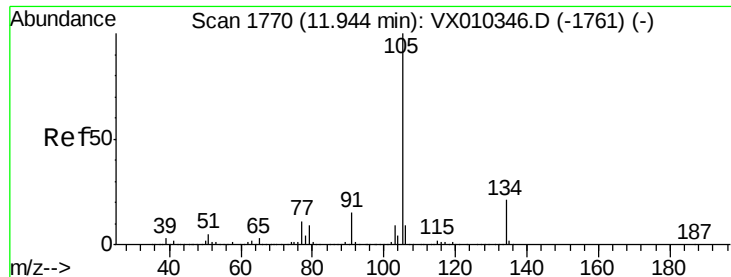
MMDadoda
7/3/2019 9:30:00 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.481 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.1	69.2





#85

sec-Butylbenzene

Concen: 50.938 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 530071

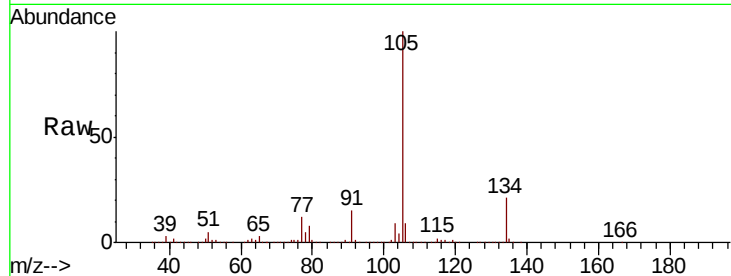
Ion Ratio Lower Upper

105 100

134 21.1 10.7 31.9

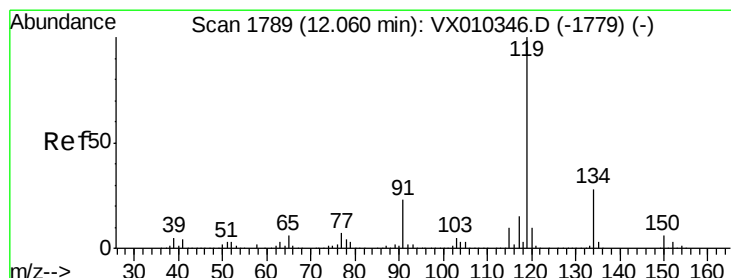
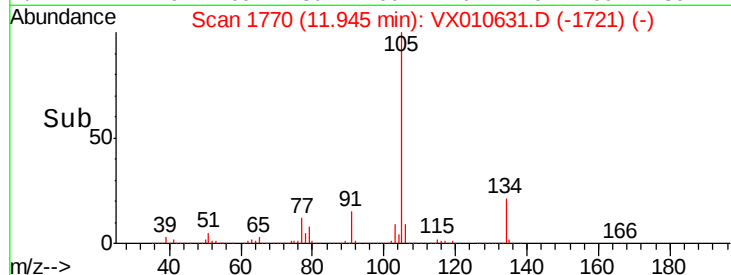
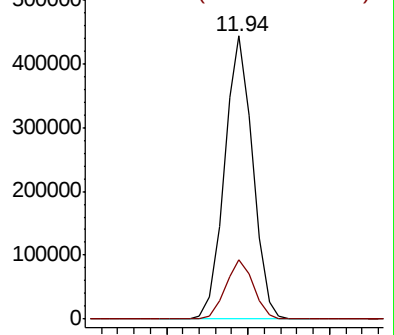
Manual Integrations
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7/3/2019 9:30:00 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.905 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010631.D

Acq: 02 Jul 2019 20:41

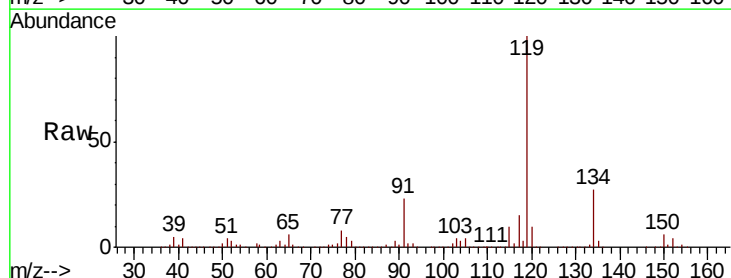
Tgt Ion:119 Resp: 489980

Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.1

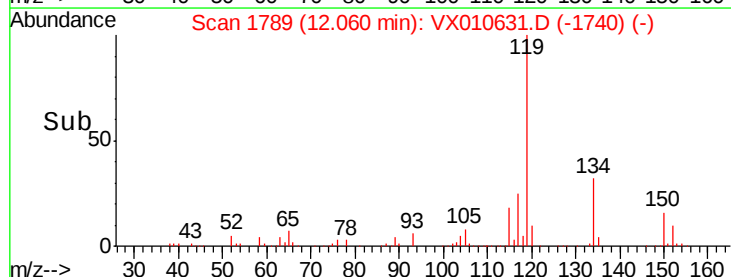
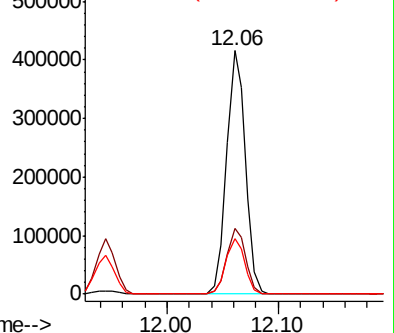
91 23.0 11.3 33.8

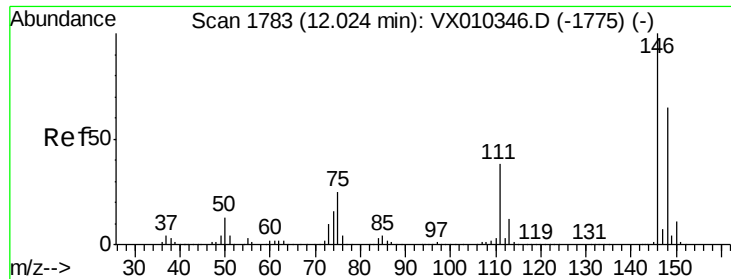


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





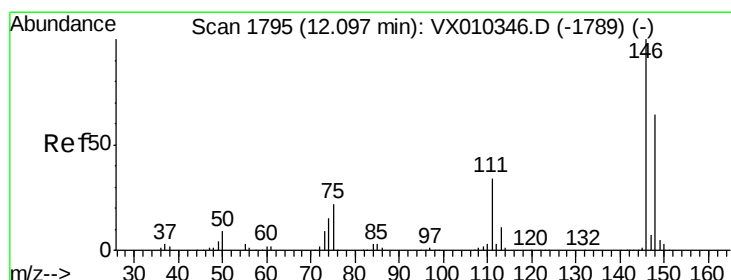
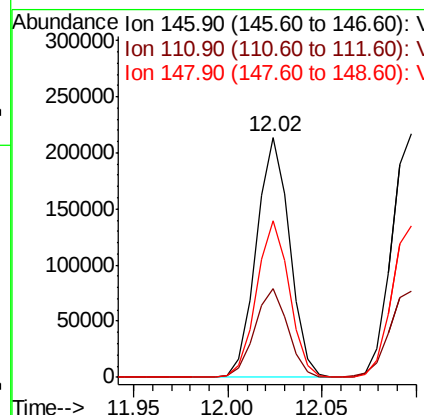
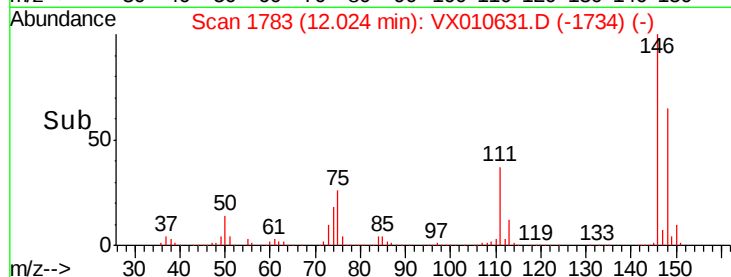
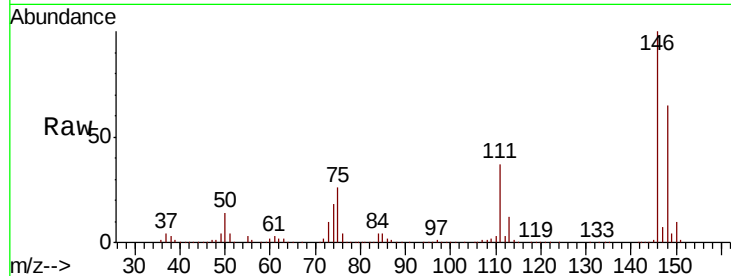
#87
 1,3-Dichlorobenzene
 Concen: 50.091 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.1
148	64.2	32.5	97.4

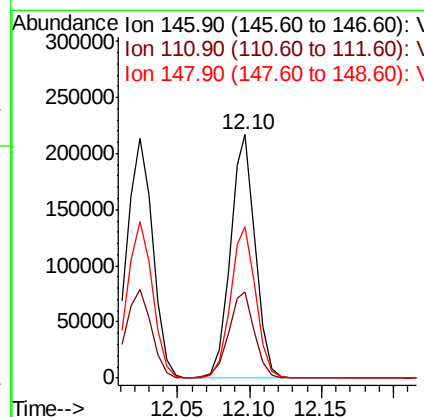
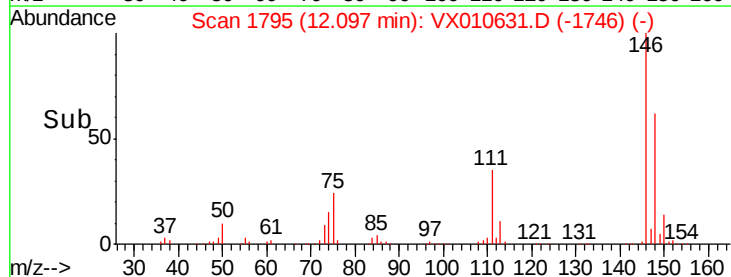
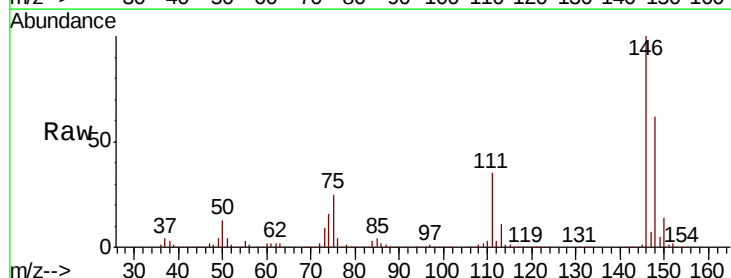
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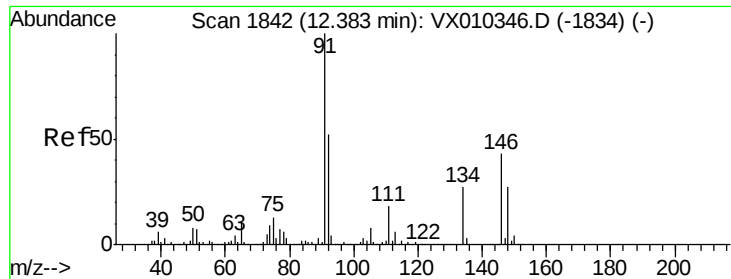
MMDadoda
 7/3/2019 9:30:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.296 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.3
148	63.3	32.1	96.3





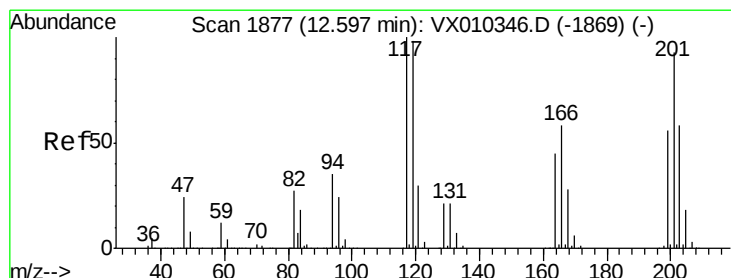
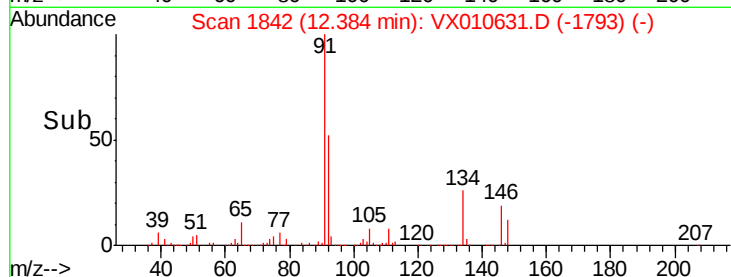
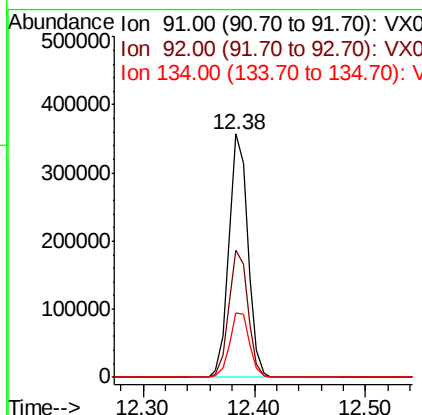
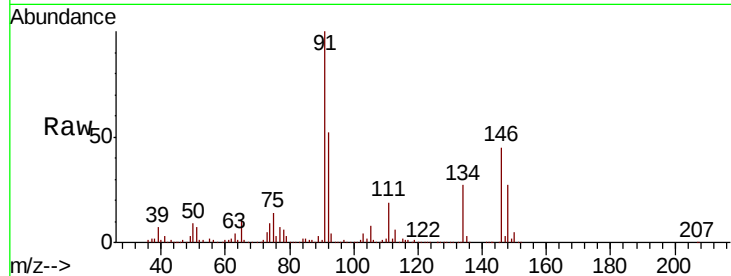
#89
n-Butylbenzene
Concen: 51.336 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	27.6	14.1	42.4

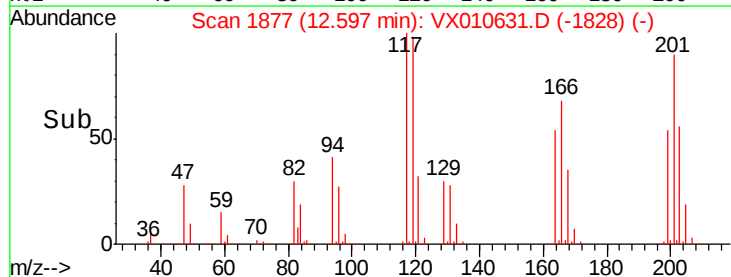
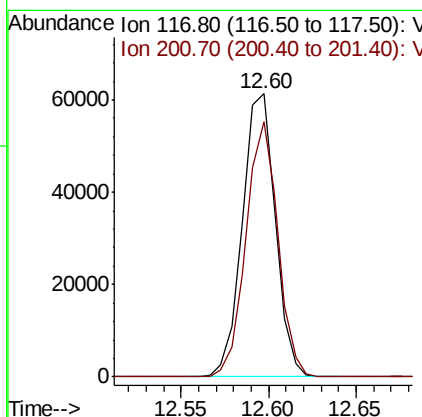
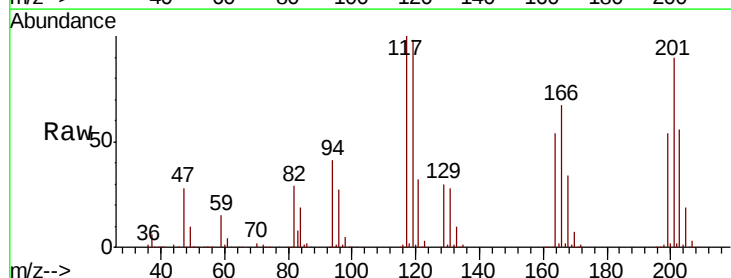
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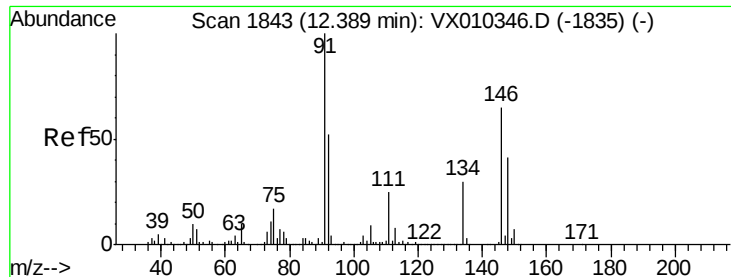
MMDadoda
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#90
Hexachloroethane
Concen: 48.418 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.7	44.0	131.8





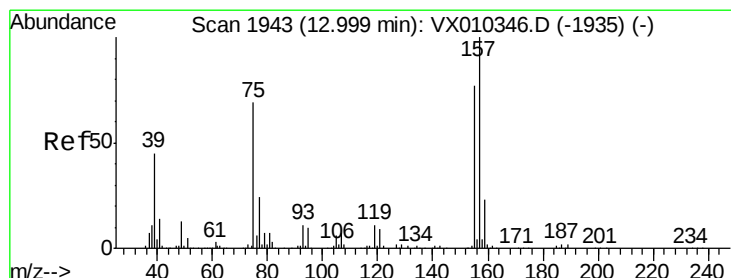
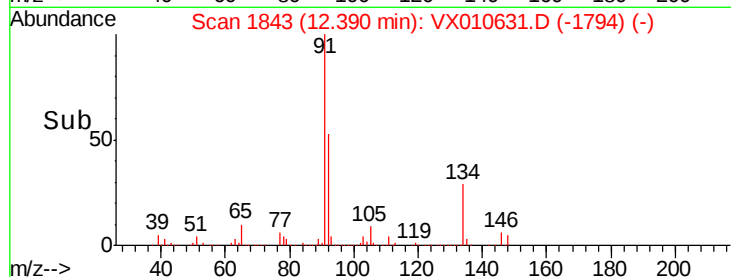
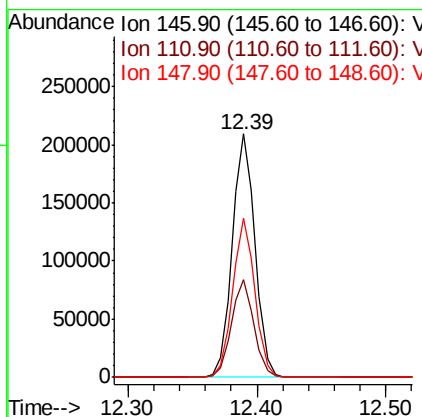
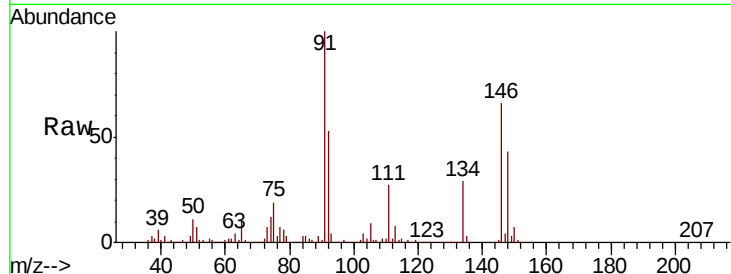
#91
 1,2-Dichlorobenzene
 Concen: 49.742 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	258105		
111	39.4	19.2	57.6	
148	63.8	32.0	96.0	

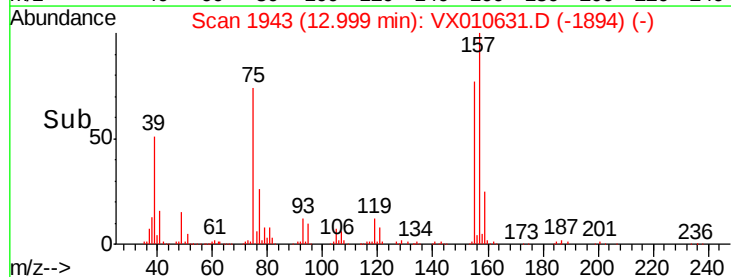
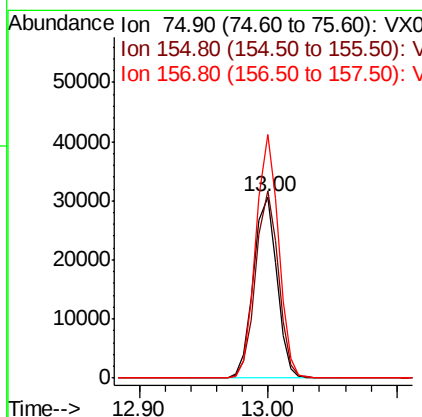
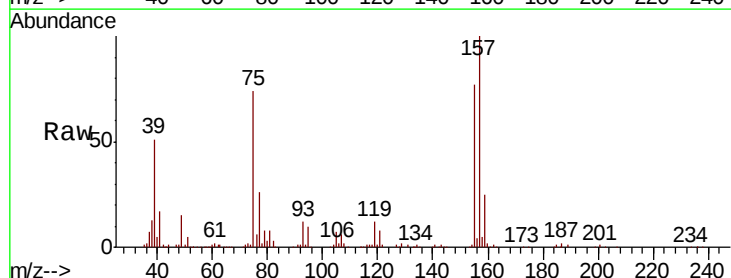
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 7/3/2019 9:30:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.057 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38285		
155	100.2	54.4	163.1	
157	129.8	69.5	208.3	





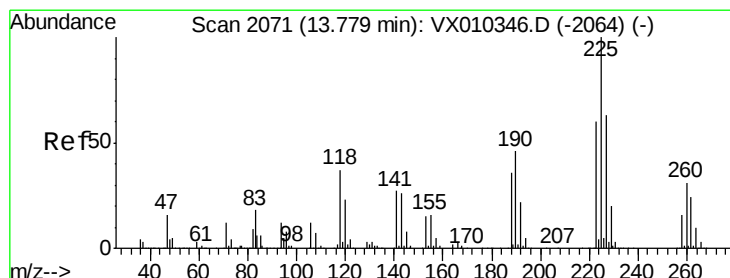
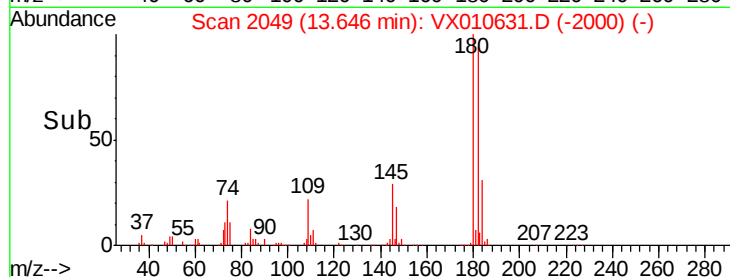
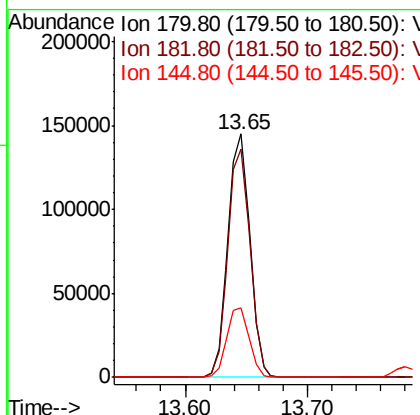
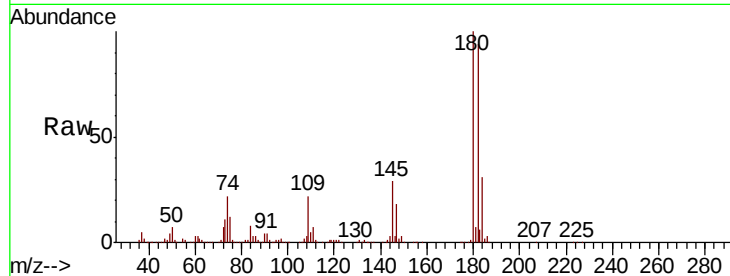
#93
 1,2,4-Trichlorobenzene
 Concen: 50.009 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	179954		
182	94.8	48.0	144.0	
145	29.1	14.4	43.4	

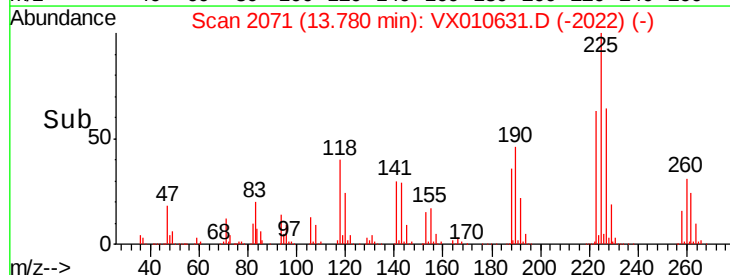
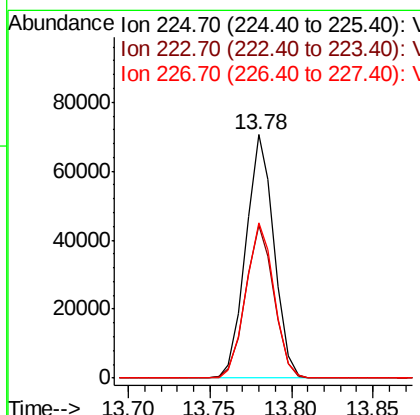
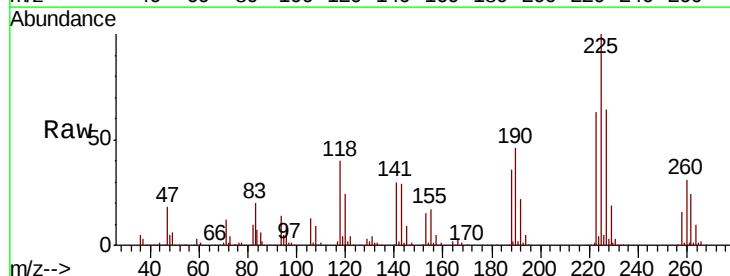
Manual Integrations
 APPROVED

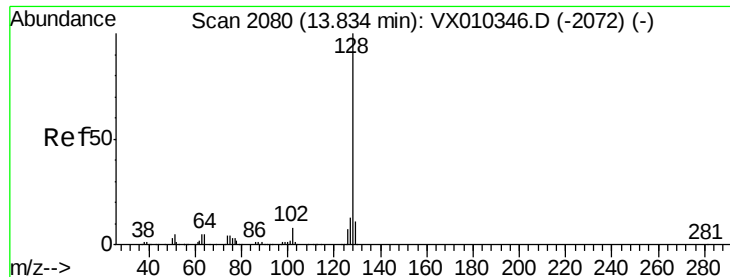
MMDadoda
 7/3/2019 9:30:00 AM



#94
 Hexachlorobutadiene
 Concen: 48.357 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010631.D
 Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85044		
223	63.0	30.9	92.7	
227	63.9	31.9	95.5	





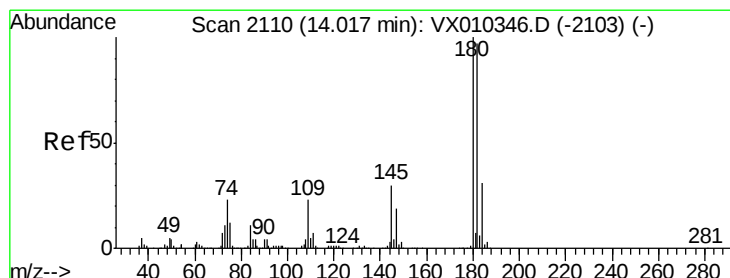
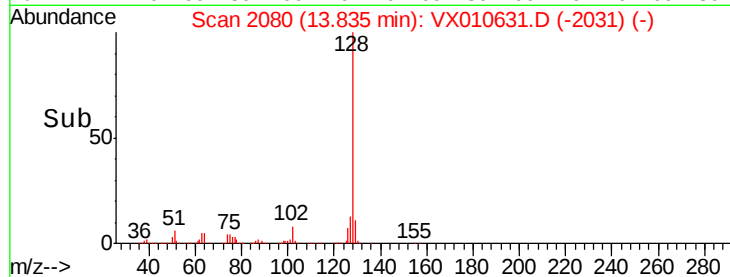
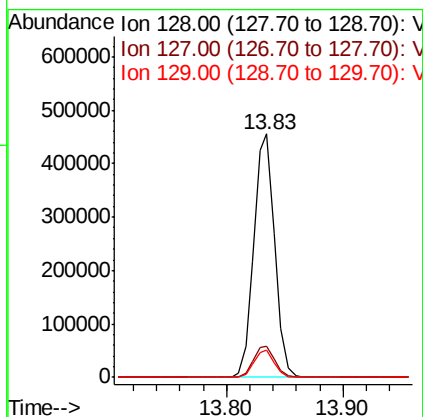
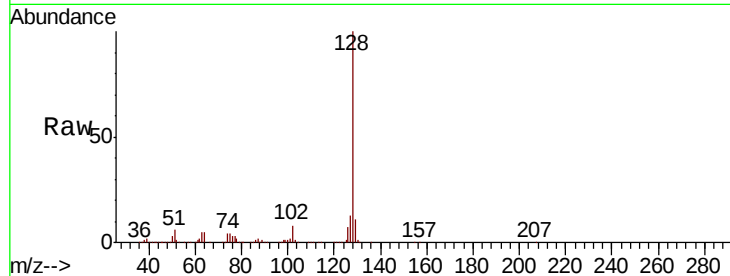
#95
Naphthalene
Concen: 51.396 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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
7/3/2019 9:30:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.716 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010631.D
Acq: 02 Jul 2019 20:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.8	143.3
145	30.8	15.2	45.6

