

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110818\
 Data File : VX005851.D
 Acq On : 08 Nov 2018 19:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 2:50:00 PM

Quant Time: Nov 09 09:33:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	124539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	180805	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	142742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	80316	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	72465	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
35) Dibromofluoromethane	5.50	113	60260	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
50) Toluene-d8	8.71	98	191789	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
62) 4-Bromofluorobenzene	11.14	95	71629	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	58165	51.801	ug/l	97
3) Chloromethane	1.32	50	71548	48.553	ug/l	97
4) Vinyl Chloride	1.41	62	73621	49.766	ug/l	95
5) Bromomethane	1.64	94	37728	41.674	ug/l	99
6) Chloroethane	1.71	64	42188	47.795	ug/l #	88
7) Trichlorofluoromethane	1.93	101	97928	49.870	ug/l	90
8) Diethyl Ether	2.19	74	40178	52.217	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	56245	49.802	ug/l	100
10) Methyl Iodide	2.51	142	64142	46.861	ug/l	98
11) Tert butyl alcohol	3.08	59	97208	237.010	ug/l	99
12) 1,1-Dichloroethene	2.37	96	52289	47.501	ug/l	81
13) Acrolein	2.30	56	43806	225.995	ug/l	99
14) Allyl chloride	2.73	41	121866	49.569	ug/l	97
15) Acrylonitrile	3.15	53	212905	250.484	ug/l	99
16) Acetone	2.45	43	186897	242.445	ug/l #	89
17) Carbon Disulfide	2.57	76	168845	51.423	ug/l	97
18) Methyl Acetate	2.78	43	104539	50.621	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	194913	51.879	ug/l	91
20) Methylene Chloride	2.85	84	63203	49.912	ug/l	87
21) trans-1,2-Dichloroethene	3.17	96	58700	50.558	ug/l	85
22) Diisopropyl ether	3.87	45	219263	50.911	ug/l	91
23) Vinyl Acetate	3.82	43	949642	257.169	ug/l	99
24) 1,1-Dichloroethane	3.69	63	115424	50.234	ug/l	99
25) 2-Butanone	4.70	43	306841	253.179	ug/l	97
26) 2,2-Dichloropropane	4.59	77	80917	48.008	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	67642	52.762	ug/l	96
28) Bromochloromethane	5.01	49	57215	55.716	ug/l	98
29) Tetrahydrofuran	5.15	42	202562	260.308	ug/l	99
30) Chloroform	5.21	83	108074	48.752	ug/l	99
31) Cyclohexane	5.57	56	100904	50.590	ug/l	90
32) 1,1,1-Trichloroethane	5.50	97	94324	51.013	ug/l	99
36) 1,1-Dichloropropene	5.80	75	80047	45.925	ug/l	98
37) Ethyl Acetate	4.85	43	112257	48.976	ug/l	100
38) Carbon Tetrachloride	5.78	117	82697	47.392	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	83340	47.176	ug/l	98
40) Benzene	6.14	78	236065	46.458	ug/l	100
41) Methacrylonitrile	5.06	41	62120	50.157	ug/l	98
42) 1,2-Dichloroethane	6.19	62	86108	47.313	ug/l	99
43) Isopropyl Acetate	6.46	43	160941	48.458	ug/l	97
44) Trichloroethene	7.21	130	56349	43.668	ug/l	97
45) 1,2-Dichloropropane	7.52	63	57450	46.582	ug/l	97
46) Dibromomethane	7.66	93	35928	46.424	ug/l	97
47) Bromodichloromethane	7.90	83	70080	47.915	ug/l	98
48) Methyl methacrylate	7.77	41	72776	48.800	ug/l	98
49) 1,4-Dioxane	7.75	88	30552	950.722	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	484372	231.404	ug/l	100
52) Toluene	8.78	92	134103	47.222	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	77343	44.811	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	84738	48.168	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	53601	42.351	ug/l	97
56) Ethyl methacrylate	9.18	69	90262	47.664	ug/l	95
57) 1,3-Dichloropropane	9.37	76	90291	42.452	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	239272	232.475	ug/l	100
59) 2-Hexanone	9.49	43	387937	210.258	ug/l	99
60) Dibromochloromethane	9.59	129	56527	41.326	ug/l	99
61) 1,2-Dibromoethane	9.67	107	56631	40.465	ug/l	99
64) Tetrachloroethene	9.34	164	62423	51.364	ug/l	97
65) Chlorobenzene	10.14	112	143534	50.194	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	53016	53.328	ug/l	99
67) Ethyl Benzene	10.25	91	252231	55.007	ug/l	99
68) m/p-Xylenes	10.36	106	193737	110.767	ug/l	99
69) o-Xylene	10.70	106	92925	59.249	ug/l	100
70) Styrene	10.71	104	155870	60.246	ug/l	99
71) Bromoform	10.86	173	46934	56.317	ug/l #	100
73) Isopropylbenzene	11.02	105	256349	55.193	ug/l	100
74) N-amyl acetate	10.90	43	128410	49.292	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	86094	50.502	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	84044m	51.390	ug/l	
77) Bromobenzene	11.26	156	67687	51.704	ug/l	99
78) n-propylbenzene	11.36	91	296795	54.221	ug/l	99
79) 2-Chlorotoluene	11.42	91	175670	53.096	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	218358	55.323	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	25893	50.462	ug/l	98
82) 4-Chlorotoluene	11.51	91	208157	53.384	ug/l	100
83) tert-Butylbenzene	11.77	119	213531	53.476	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	225800	51.844	ug/l	100
85) sec-Butylbenzene	11.94	105	259844	53.216	ug/l	100
86) p-Isopropyltoluene	12.07	119	233910	54.082	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	124352	49.495	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	126118	49.036	ug/l	99
89) n-Butylbenzene	12.39	91	207157	51.679	ug/l	100
90) Hexachloroethane	12.60	117	38052	52.696	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	126607	50.304	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21774	52.340	ug/l	98

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VSTDCCC050EC

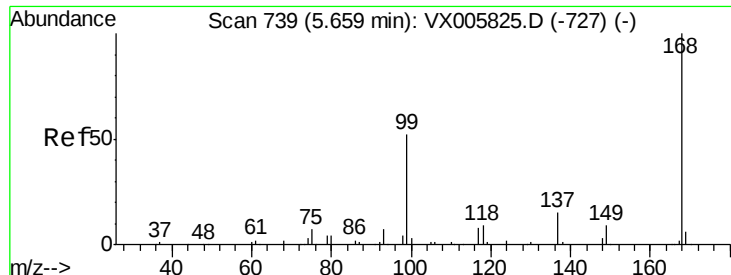
Manual Integrations
APPROVED

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11/9/2018 2:50:00 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	93904	52.999	ug/l	100
94) Hexachlorobutadiene	13.78	225	45323	48.697	ug/l	99
95) Naphthalene	13.83	128	291189	50.385	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	95878	53.116	ug/l	99

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



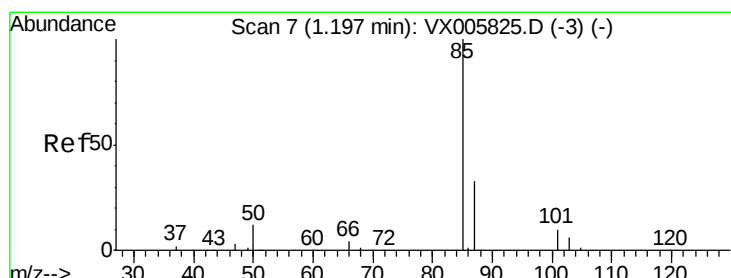
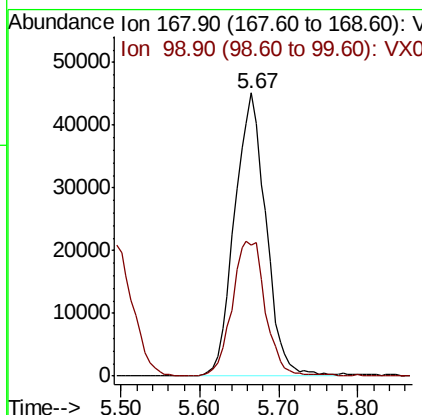
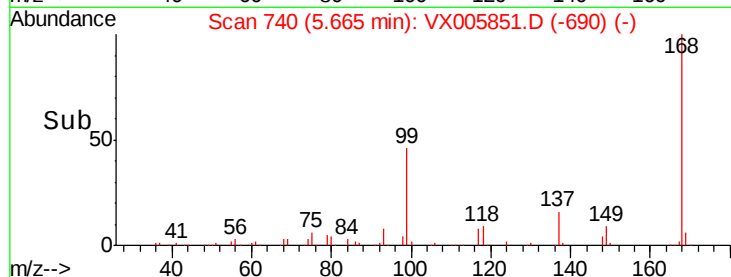
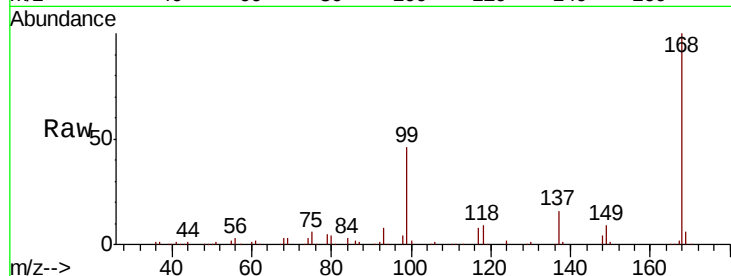
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	46.4	40.7	61.1

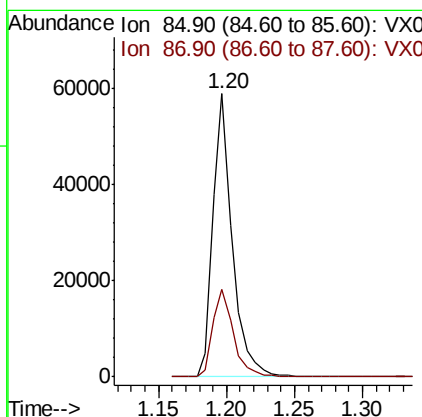
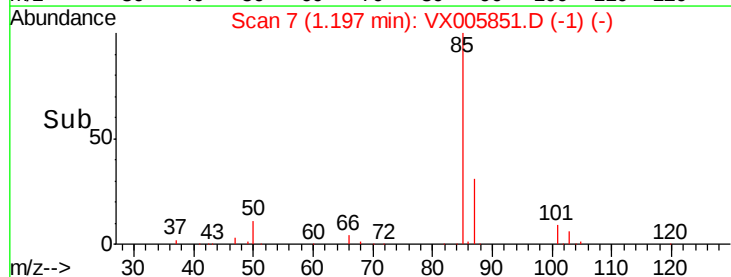
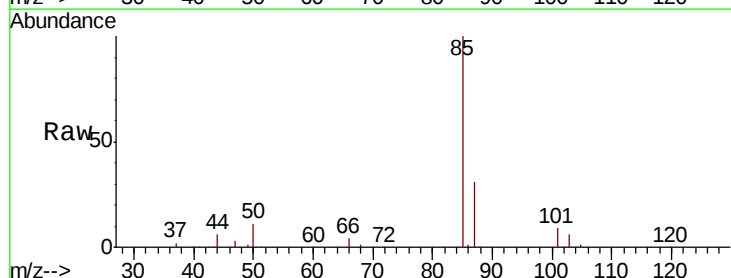
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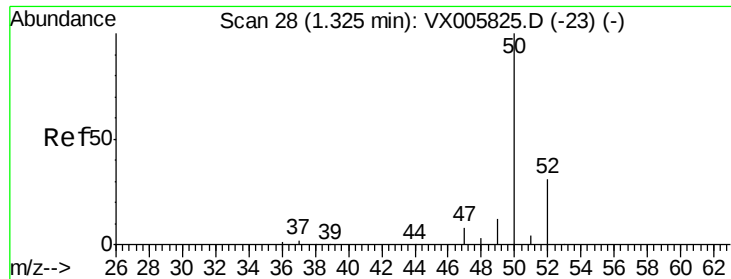
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#2
Dichlorodifluoromethane
Concen: 51.801 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.3	48.9





#3

Chloromethane

Concen: 48.553 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 71548

Ion Ratio Lower Upper

50 100

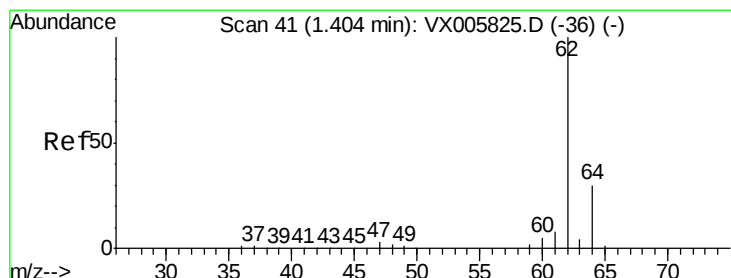
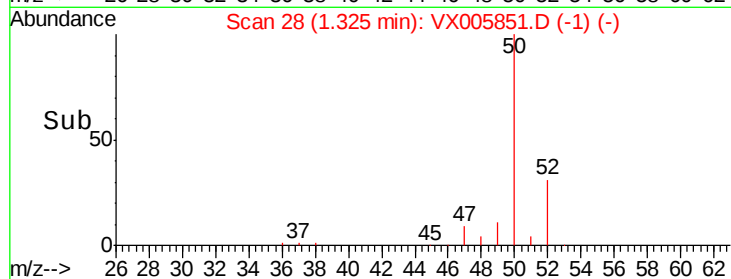
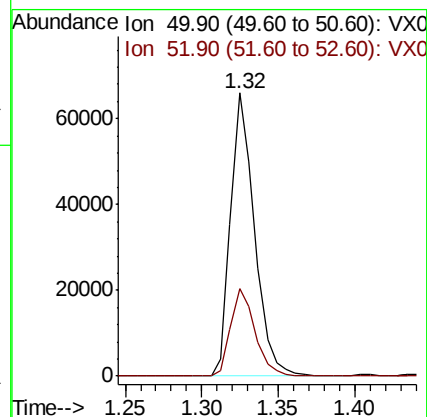
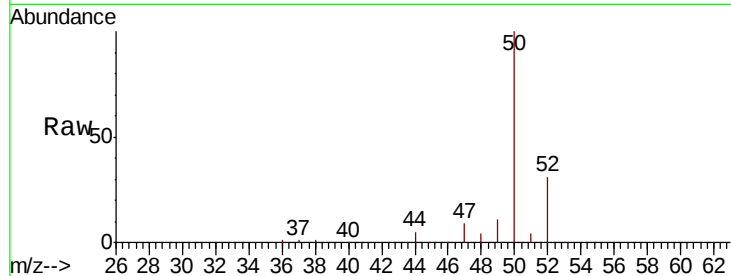
52 31.1 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.766 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005851.D

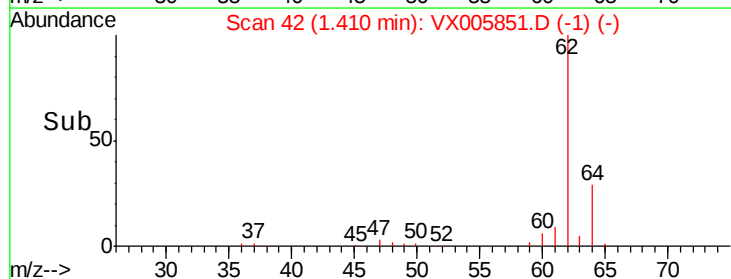
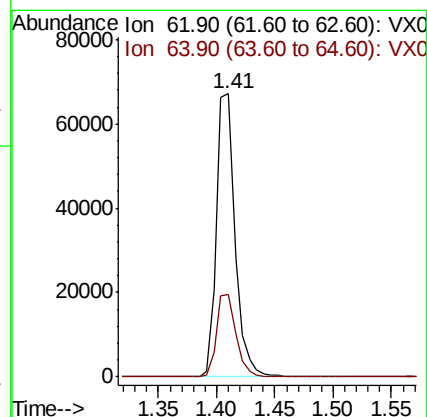
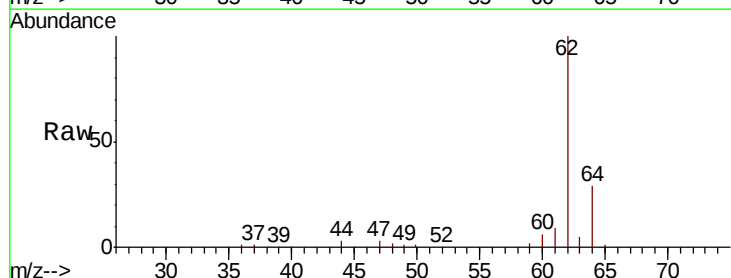
Acq: 08 Nov 2018 19:28

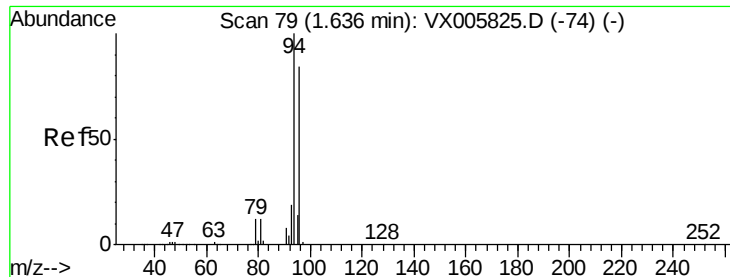
Tgt Ion: 62 Resp: 73621

Ion Ratio Lower Upper

62 100

64 29.0 25.3 37.9





#5

Bromomethane

Concen: 41.674 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 37728

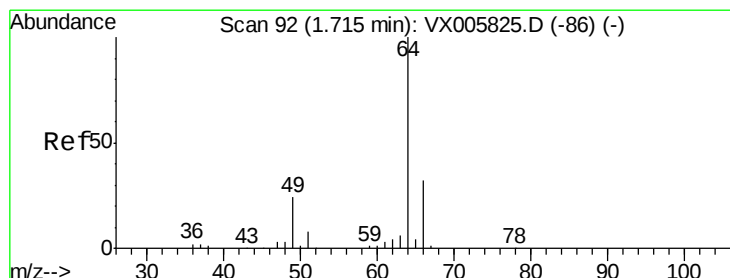
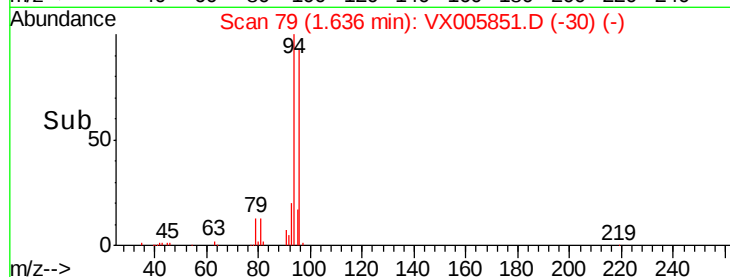
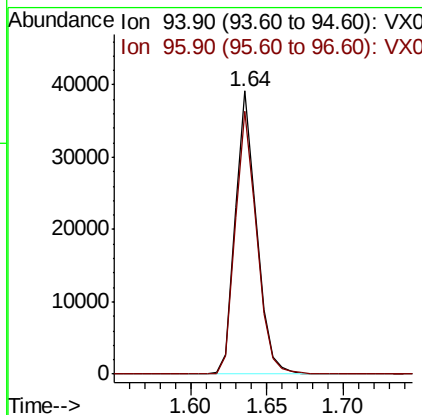
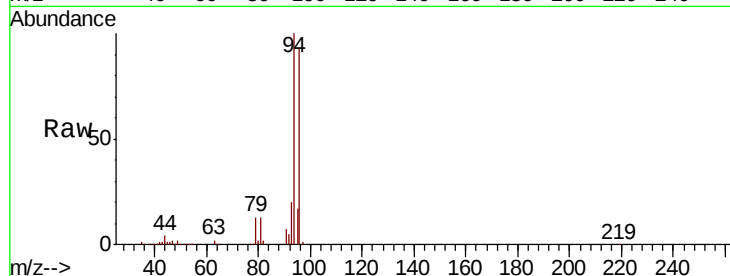
Ion Ratio Lower Upper

94 100

96 92.9 75.2 112.8

Manual Integrations
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#6

Chloroethane

Concen: 47.795 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005851.D

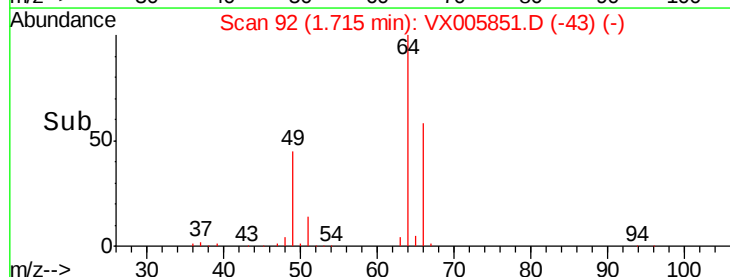
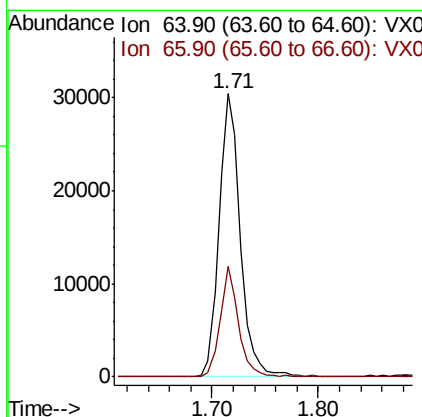
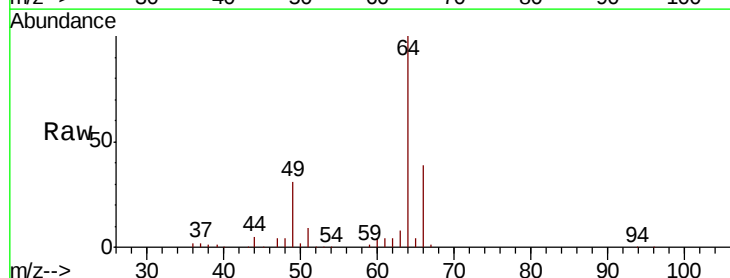
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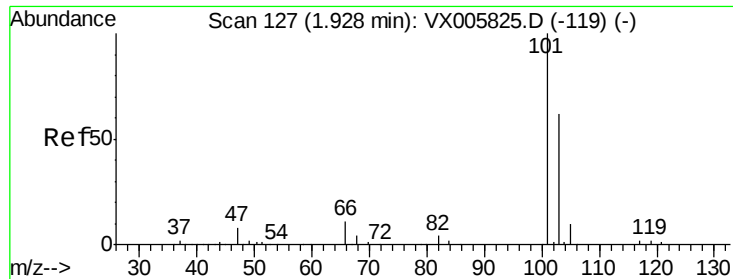
Tgt Ion: 64 Resp: 42188

Ion Ratio Lower Upper

64 100

66 38.9 25.8 38.6#





#7

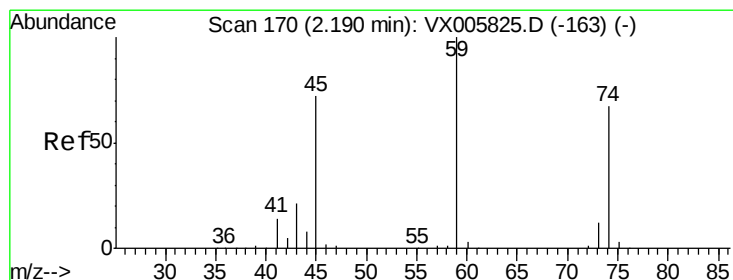
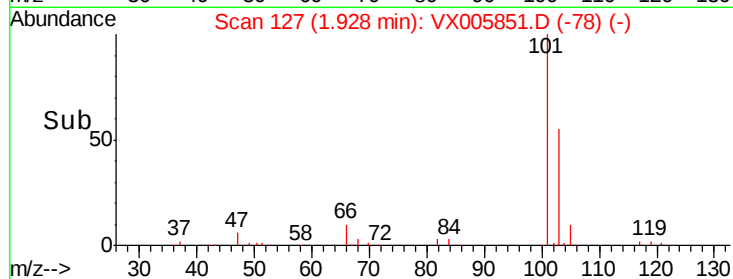
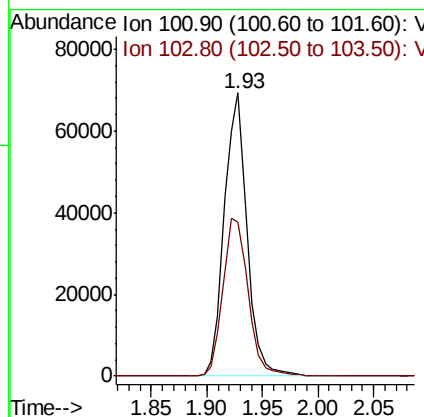
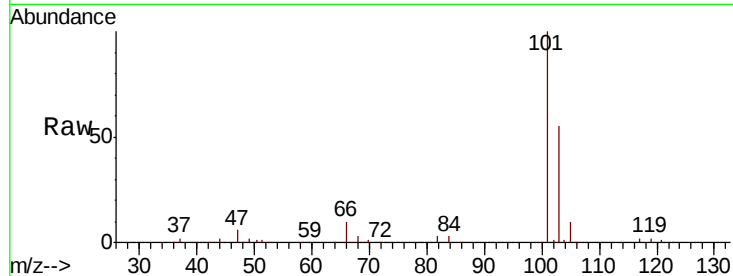
Trichlorofluoromethane
 Concen: 49.870 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

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Tot Ion	Ratio	Lower	Upper
101	100		
103	54.7	50.0	75.0

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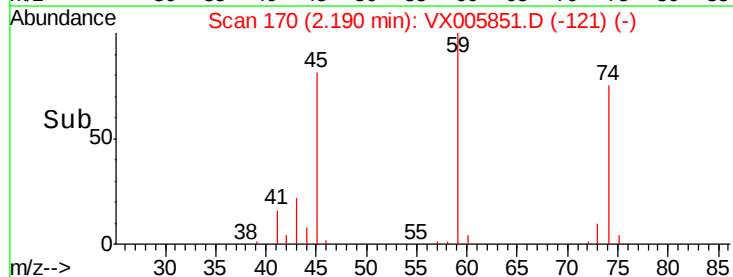
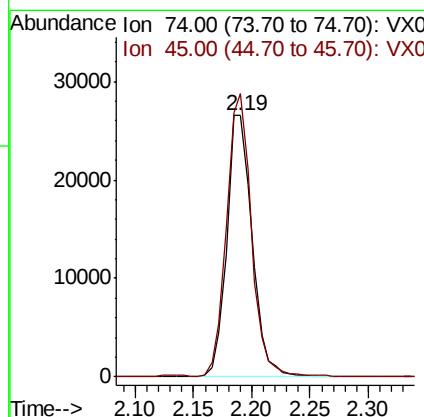
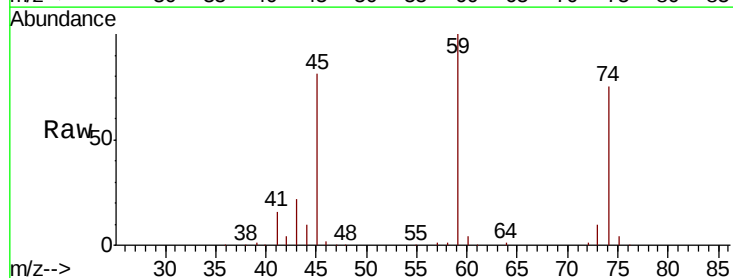
MMDadoda
 11/9/2018 2:50:00 PM

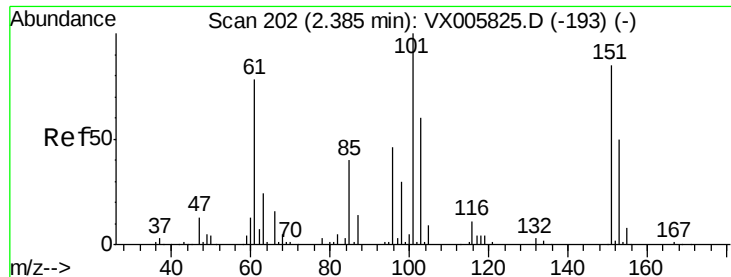


#8

Diethyl Ether
 Concen: 52.217 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.9	54.1	162.3





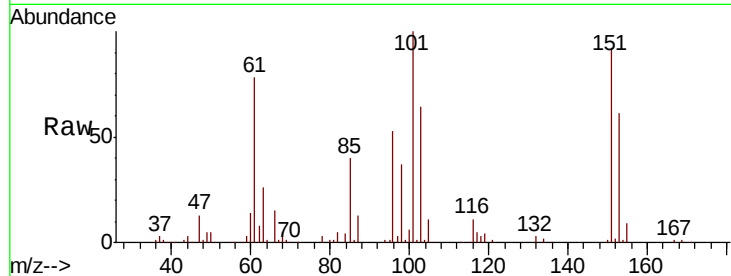
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.802 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX005851.D
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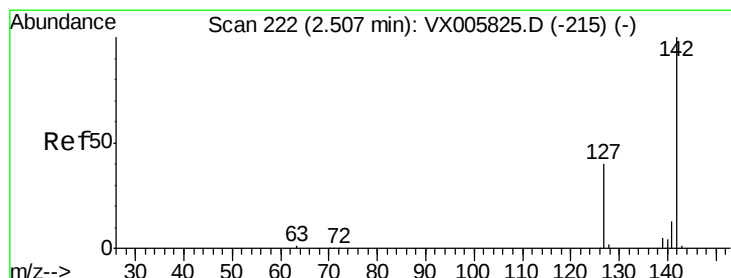
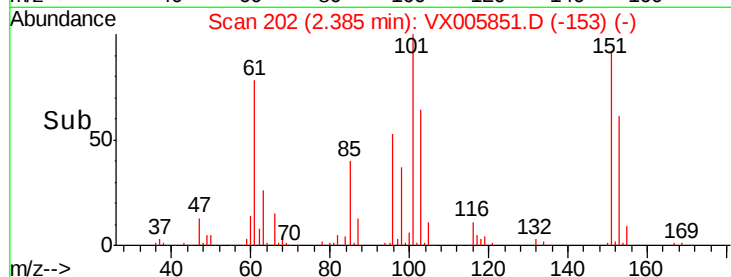
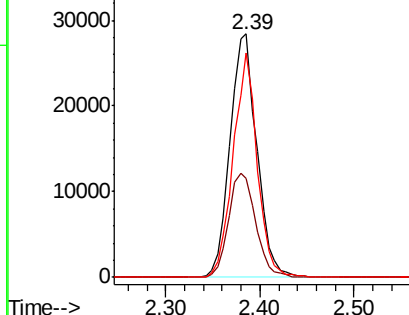
Tot Ion	Ratio	Resp	Lower	Upper
101	100	56245		
85	43.1		35.0	52.4
151	82.5		66.2	99.2

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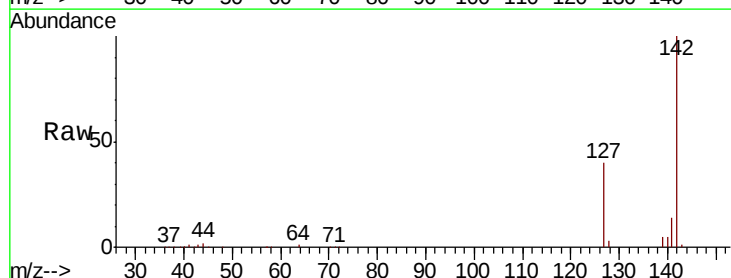


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 150.80 (150.50 to 151.50): V

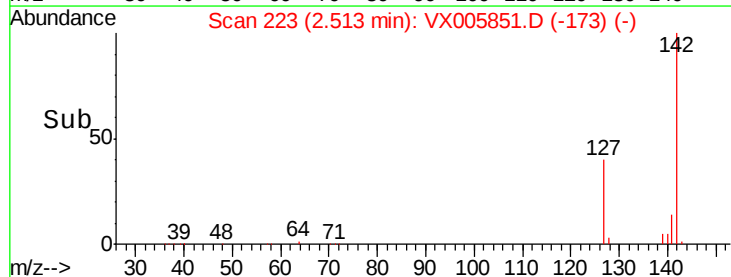
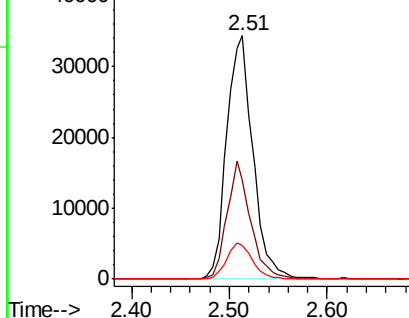


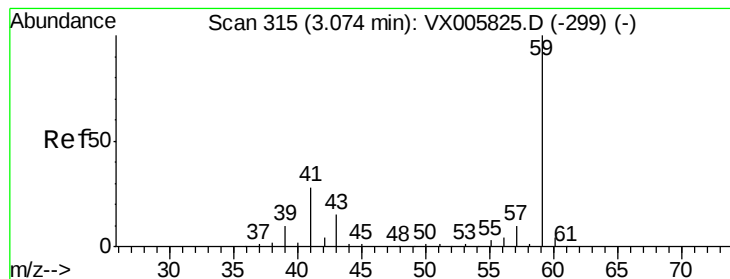
#10
 Methyl Iodide
 Concen: 46.861 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	64142		
127	43.2		36.0	54.0
141	14.6		11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V





#11

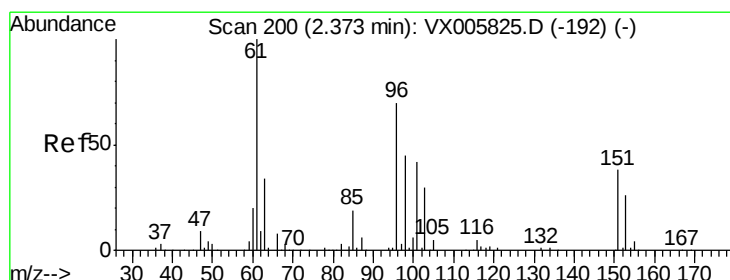
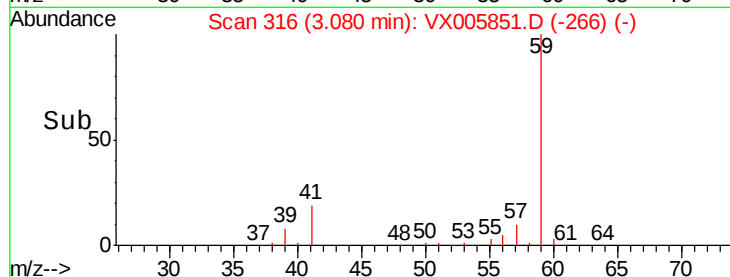
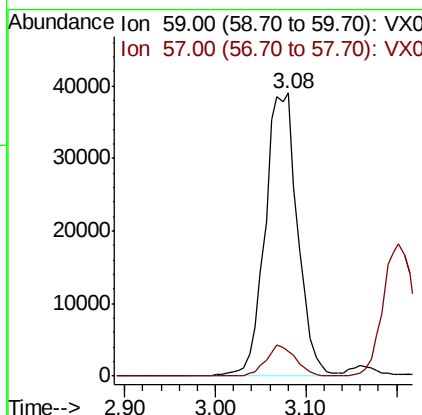
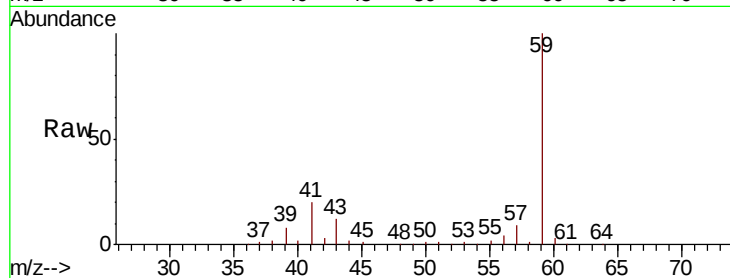
Tert butyl alcohol
Concen: 237.010 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	59	Resp	97208
Ion Ratio	100	Lower	Upper
57	10.1	8.5	12.7

Manual Integrations
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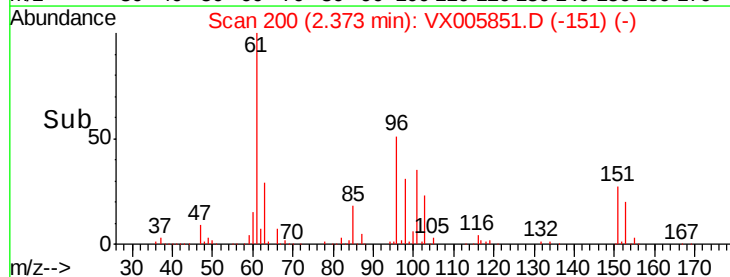
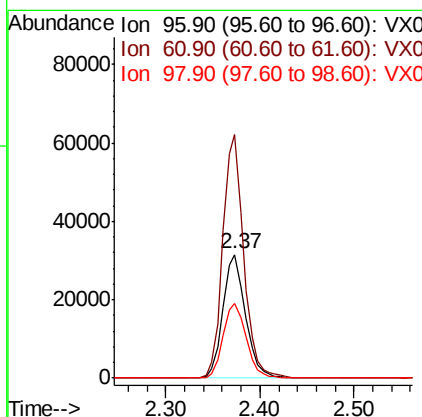
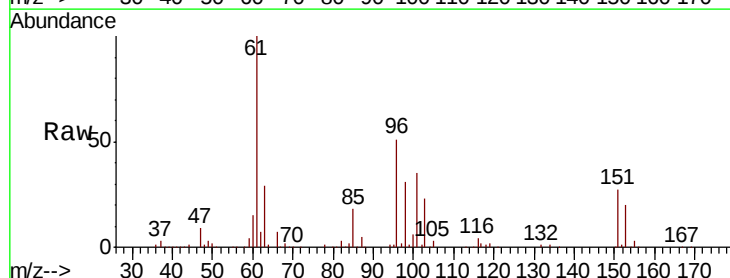
MMDadoda
11/9/2018 2:50:00 PM

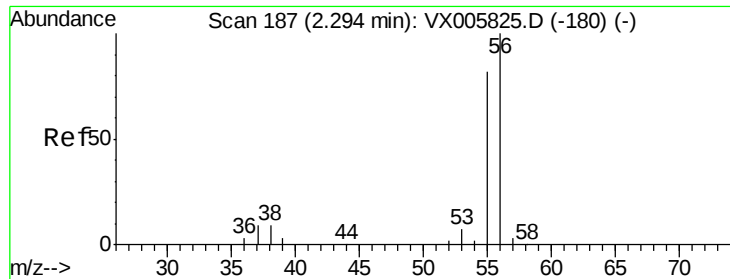


#12

1,1-Dichloroethene
Concen: 47.501 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	96	Resp	52289
Ion Ratio	100	Lower	Upper
61	197.5	131.8	197.8
98	61.0	53.4	80.2





#13

Acrolein

Concen: 225.995 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 43806

Ion Ratio Lower Upper

56 100

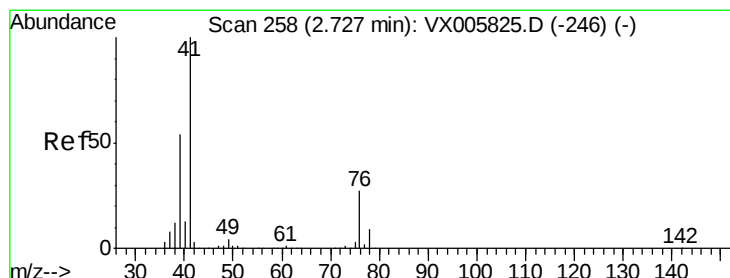
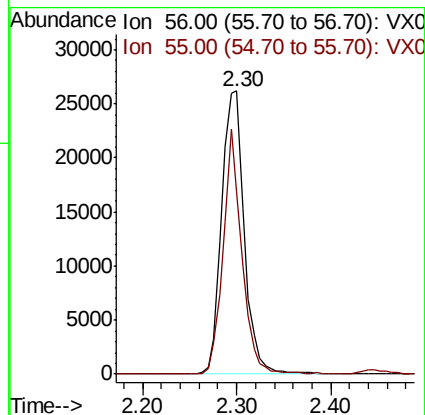
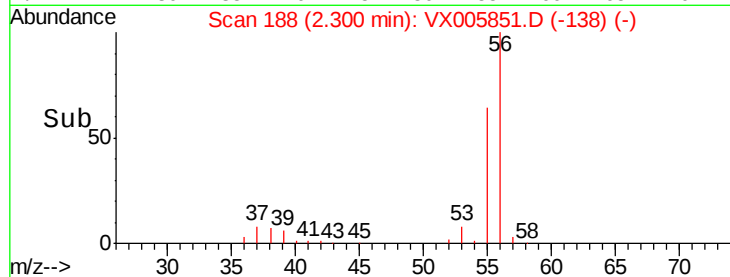
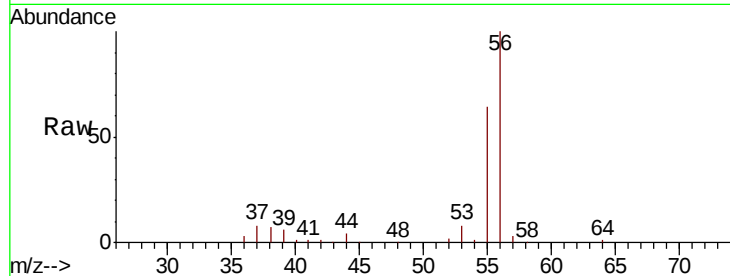
55 70.9 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 49.569 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

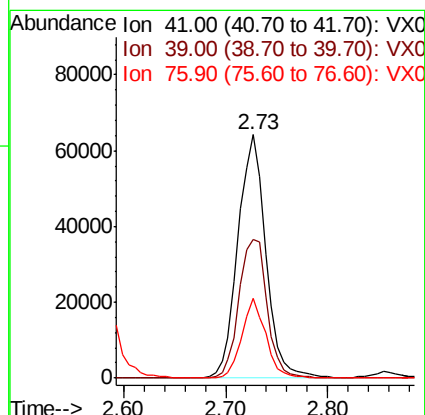
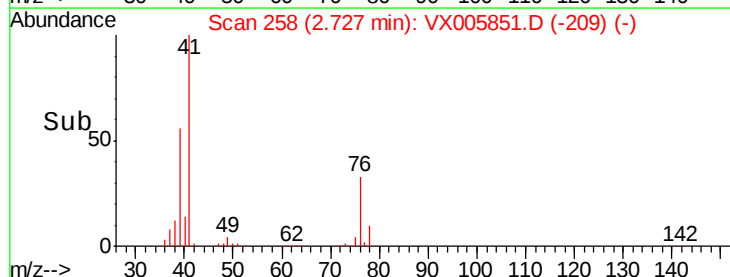
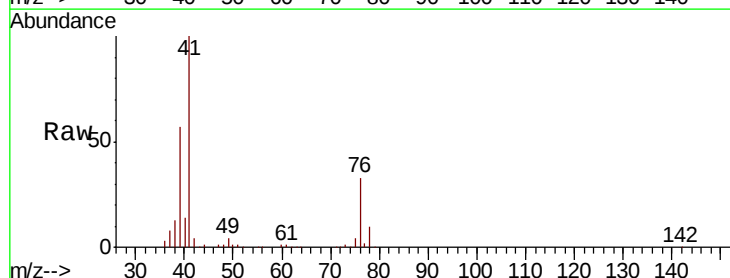
Tgt Ion: 41 Resp: 121866

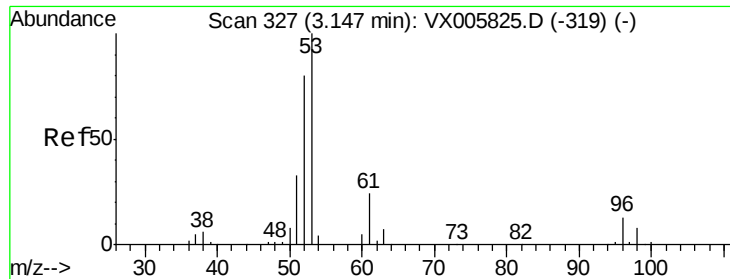
Ion Ratio Lower Upper

41 100

39 57.8 48.2 72.4

76 28.2 21.9 32.9





#15

Acrylonitrile

Concen: 250.484 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Instrument :

MSVOA_X

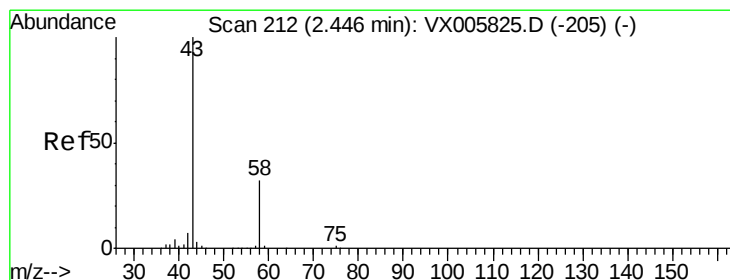
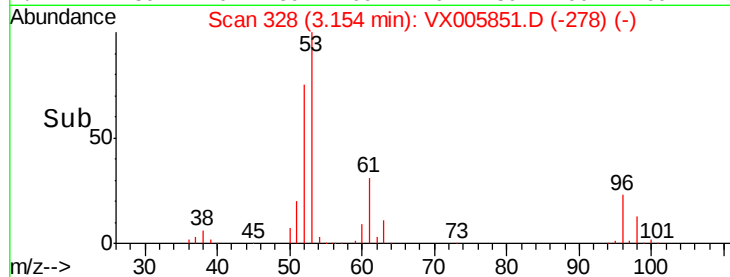
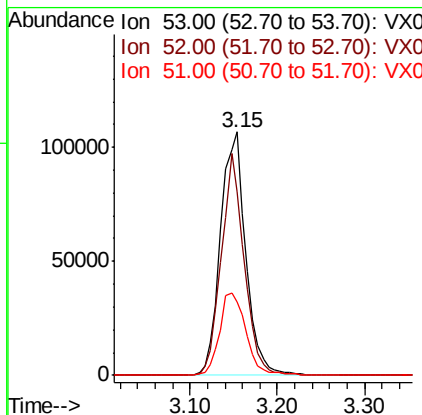
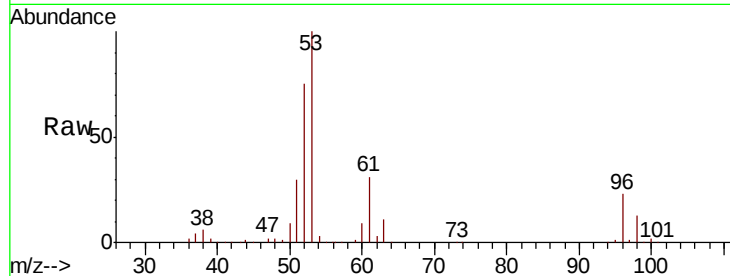
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	212905
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.6	99.8
51	35.4	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 242.445 ug/l

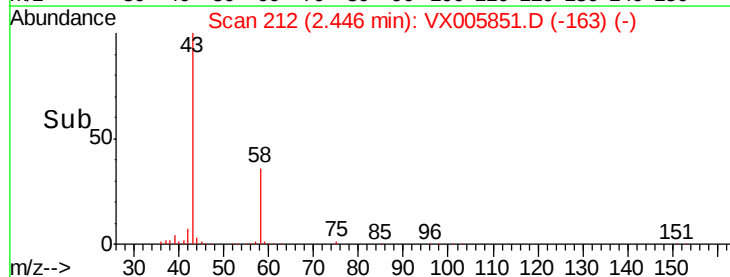
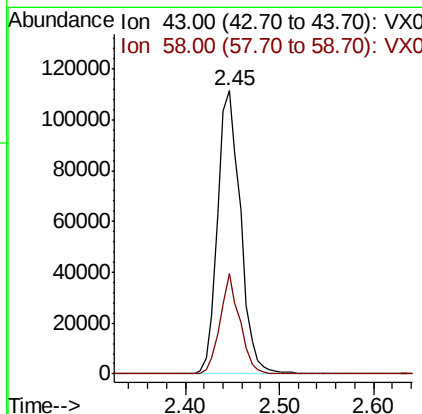
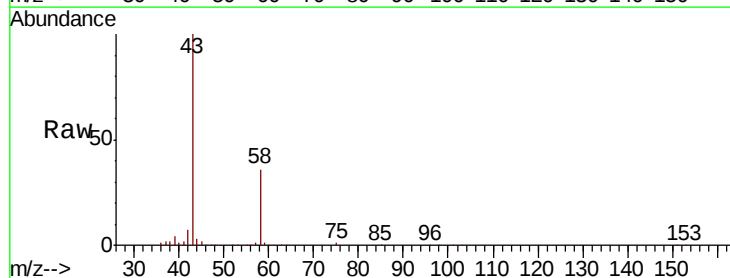
RT: 2.45 min Scan# 212

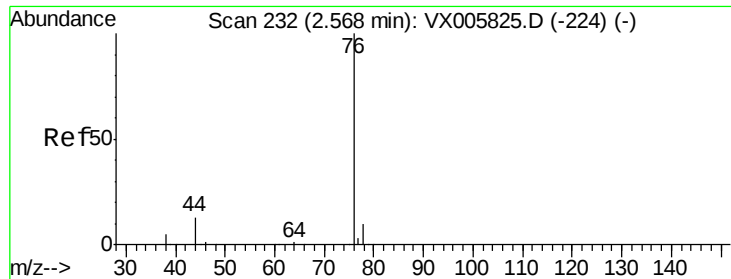
Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Tgt Ion:	43	Resp:	186897
Ion Ratio	Lower	Upper	
43	100		
58	35.7	23.8	35.6#





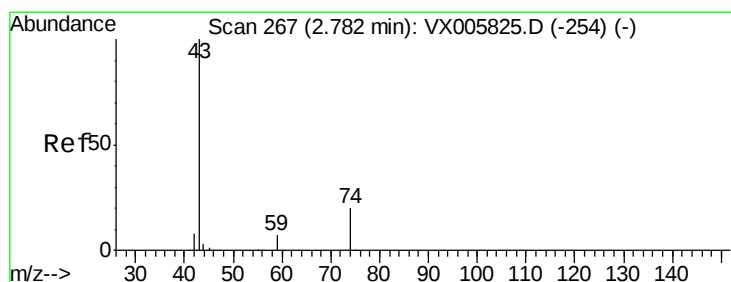
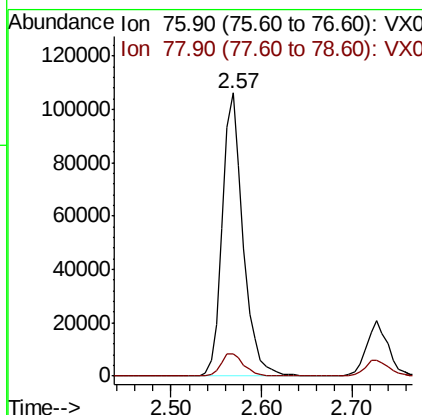
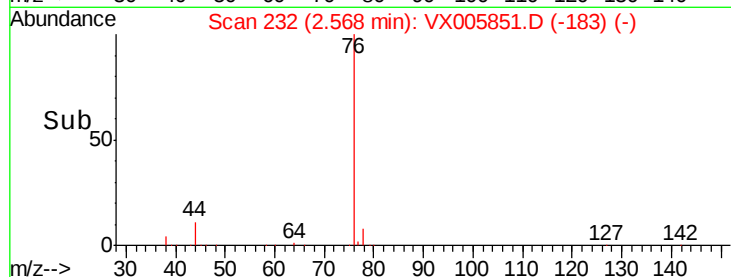
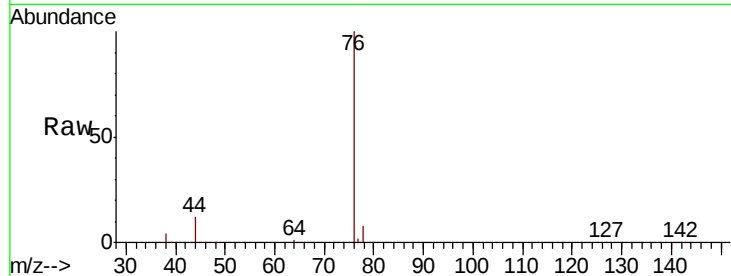
#17
Carbon Disulfide
Concen: 51.423 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.3	10.9

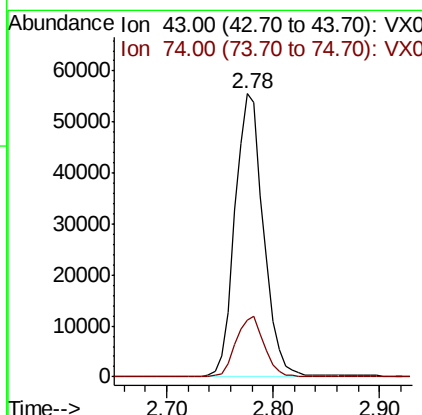
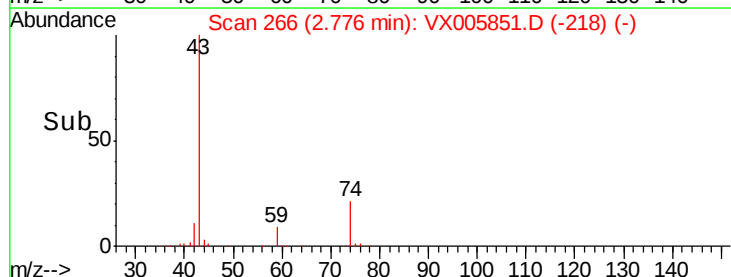
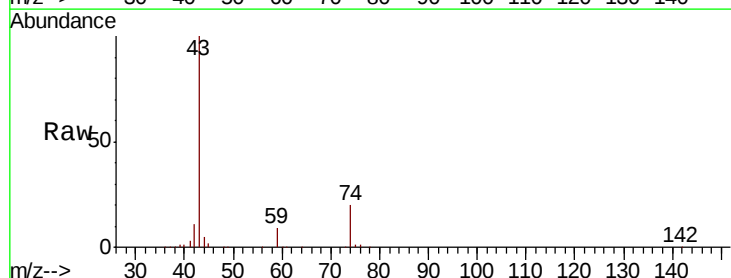
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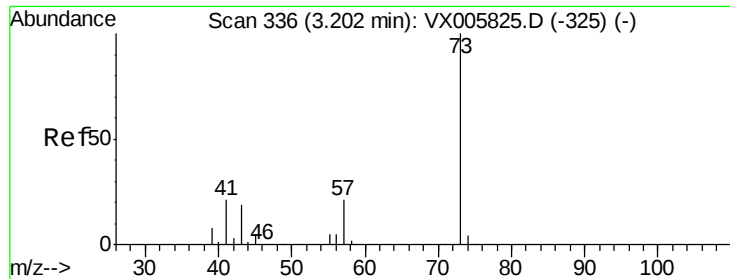
MMDadoda
11/9/2018 2:50:00 PM



#18
Methyl Acetate
Concen: 50.621 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	16.8	25.2





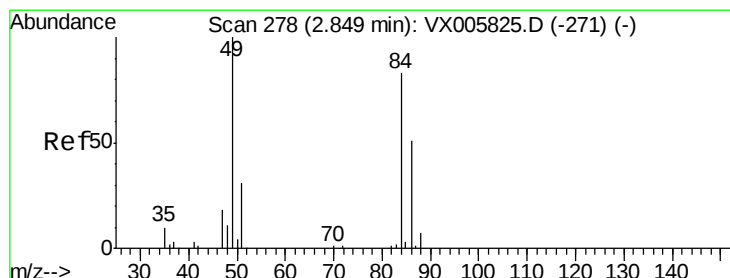
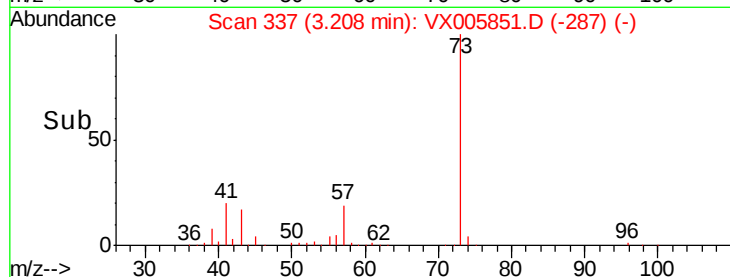
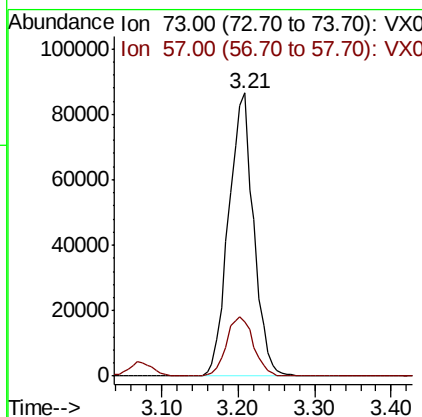
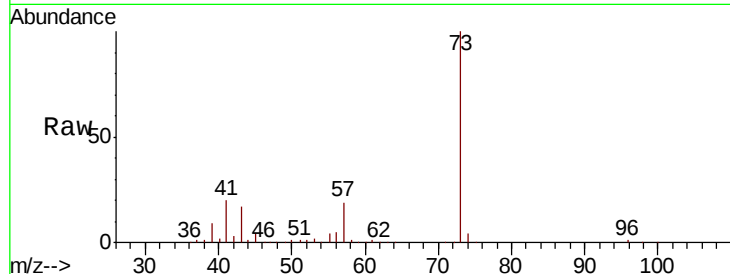
#19
Methyl tert-butyl Ether
Concen: 51.879 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.2	18.8	28.2

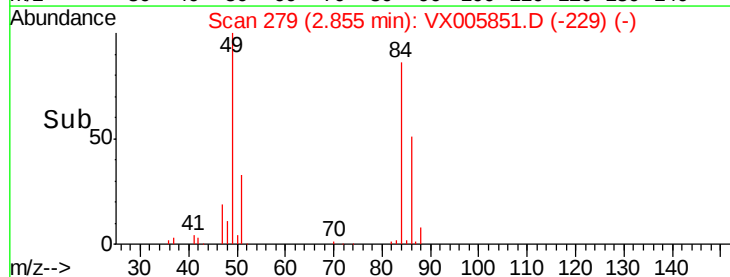
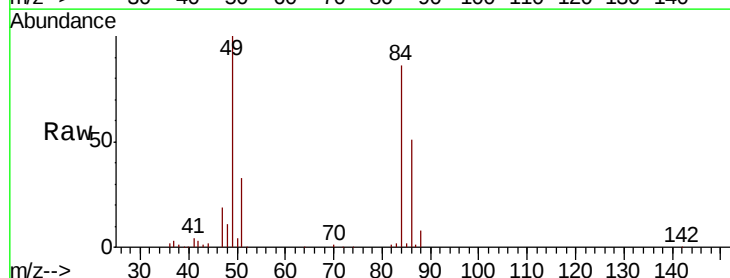
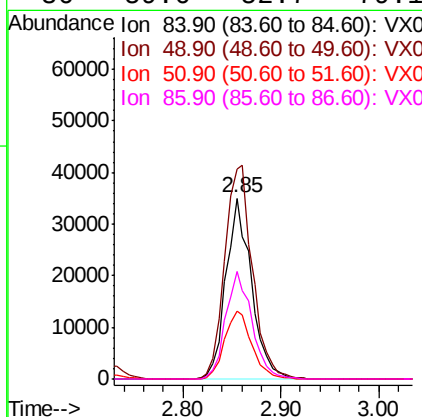
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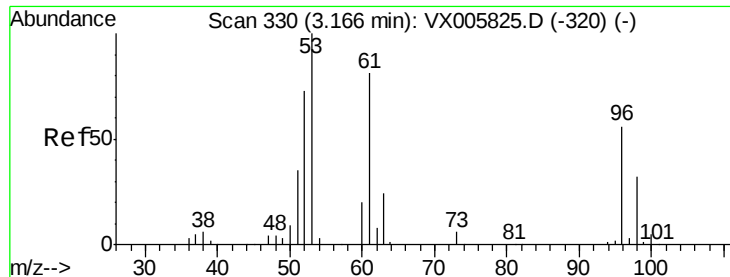
MMDadoda
11/9/2018 2:50:00 PM



#20
Methylene Chloride
Concen: 49.912 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.1	109.5	164.3
51	37.8	33.3	49.9
86	59.6	52.7	79.1





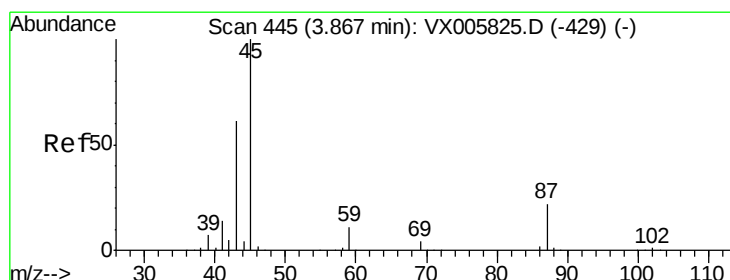
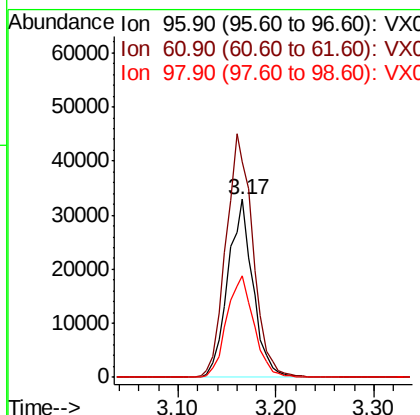
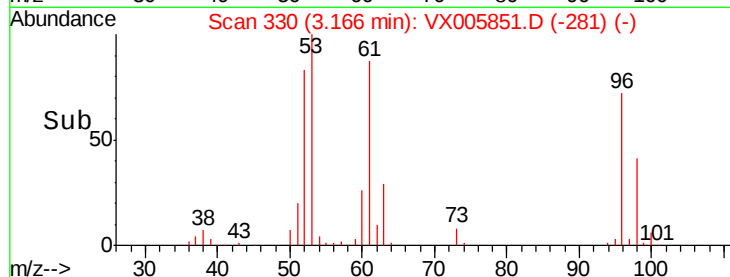
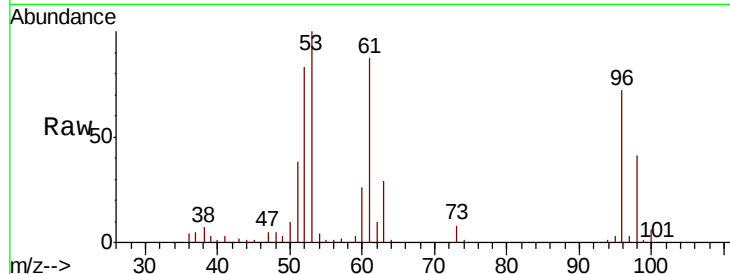
#21
trans-1,2-Dichloroethene
Concen: 50.558 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.4	115.6	173.4
98	57.2	50.2	75.2

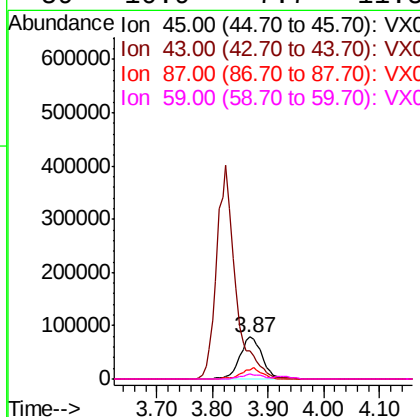
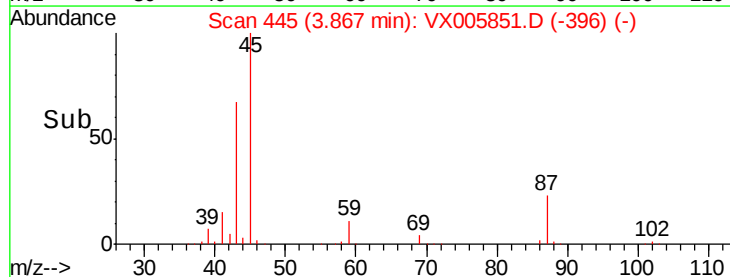
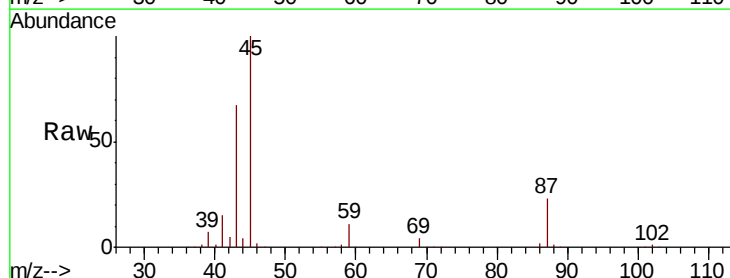
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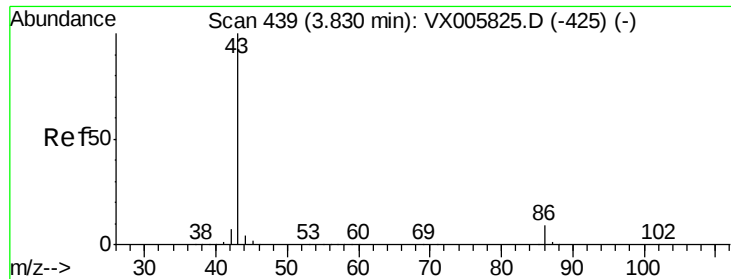
MMDadoda
11/9/2018 2:50:00 PM



#22
Diisopropyl ether
Concen: 50.911 ug/l
RT: 3.87 min Scan# 445
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.8	47.4	71.2
87	23.0	15.9	23.9
59	10.9	7.7	11.5





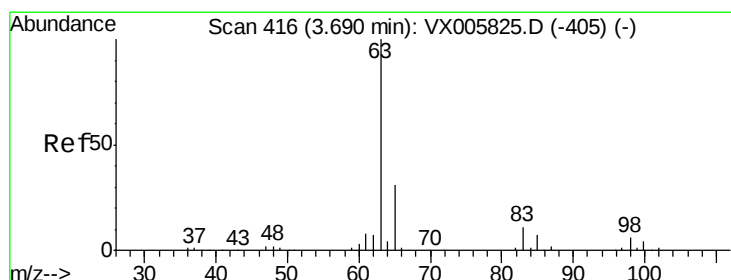
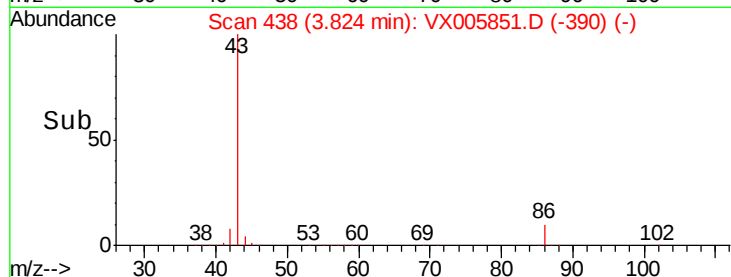
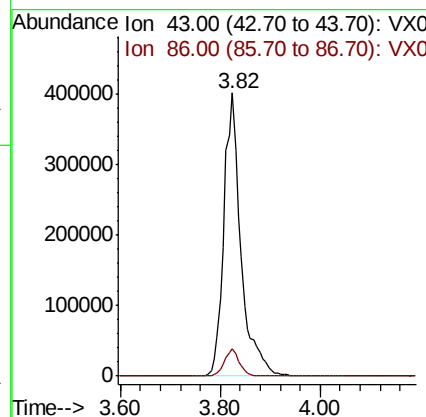
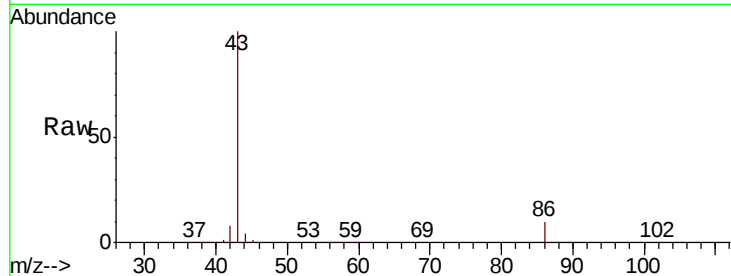
#23
 Vinyl Acetate
 Concen: 257.169 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.01 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	949642
Ion Ratio	100	Lower	Upper
43	100		
86	9.6	7.4	11.2

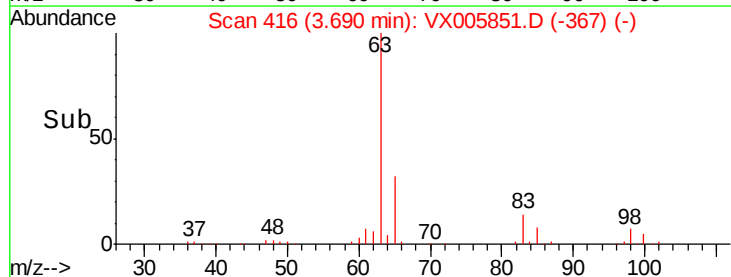
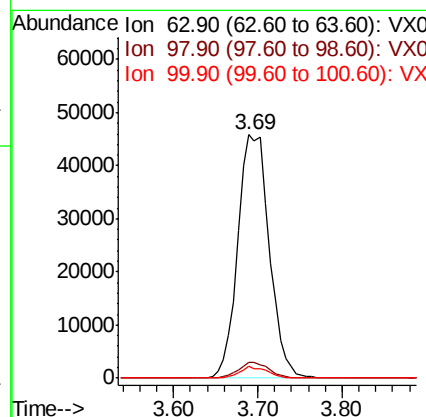
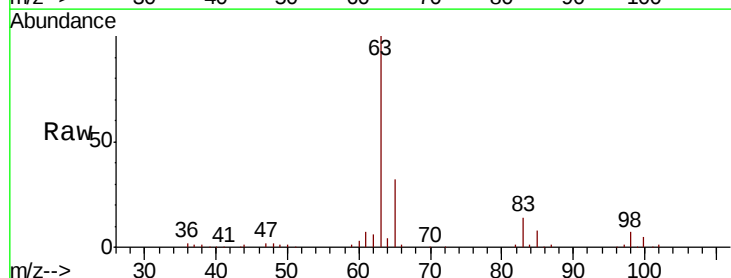
Manual Integrations
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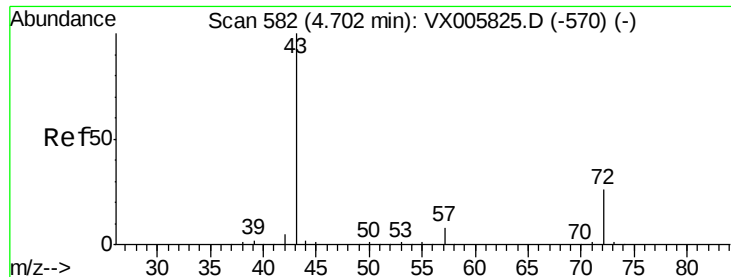
MMDadoda
 11/9/2018 2:50:00 PM



#24
 1,1-Dichloroethane
 Concen: 50.234 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Tgt Ion	63	Resp	115424
Ion Ratio	100	Lower	Upper
63	100		
98	6.7	3.2	9.6
100	4.7	2.1	6.2





#25

2-Butanone

Concen: 253.179 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 306841

Ion Ratio Lower Upper

43 100

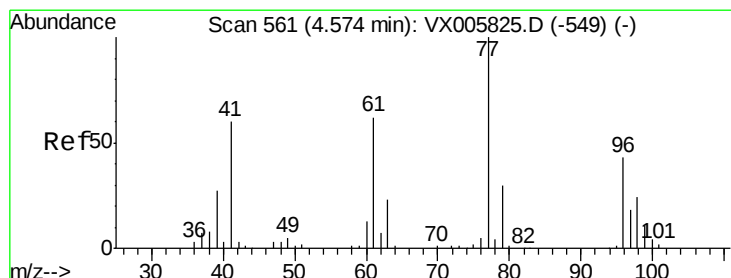
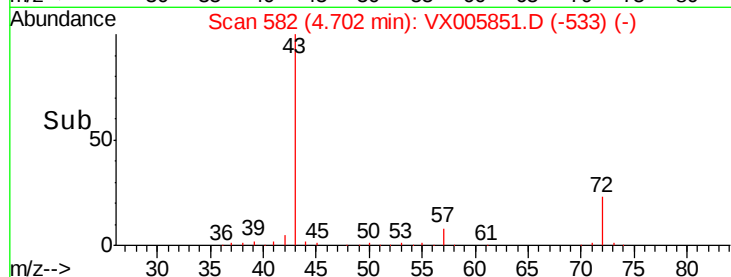
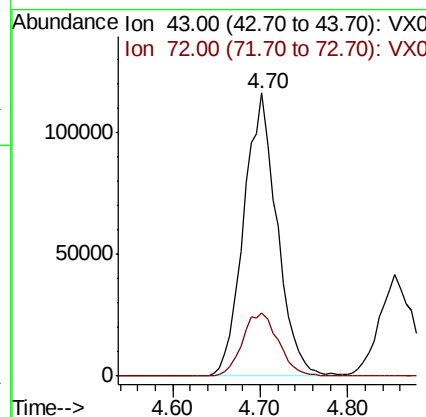
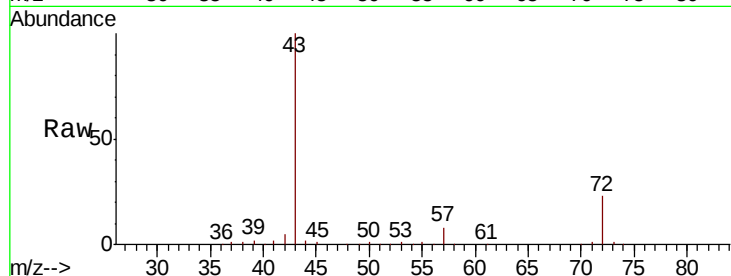
72 22.5 19.2 28.8

Manual Integrations

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MMDadoda

11/9/2018 2:50:00 PM



#26

2,2-Dichloropropane

Concen: 48.008 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005851.D

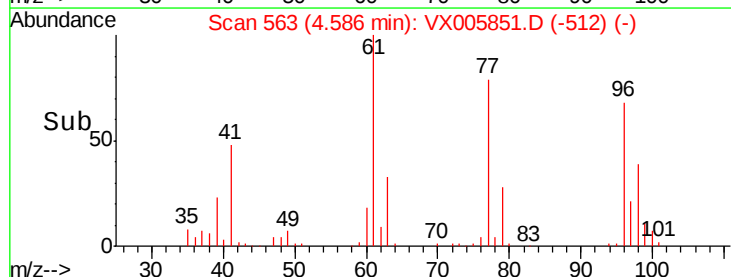
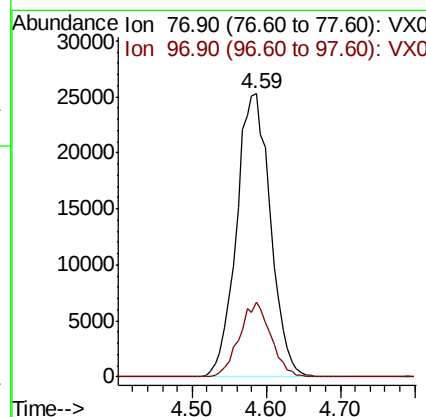
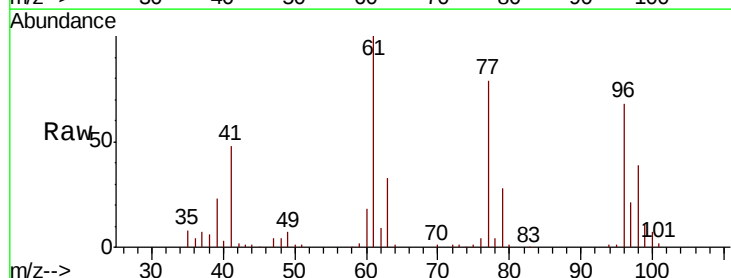
Acq: 08 Nov 2018 19:28

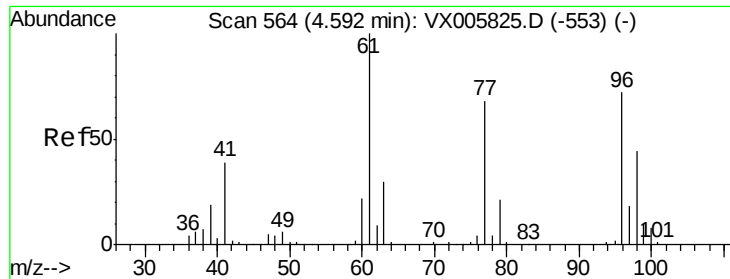
Tgt Ion: 77 Resp: 80917

Ion Ratio Lower Upper

77 100

97 24.5 11.5 34.5





#27

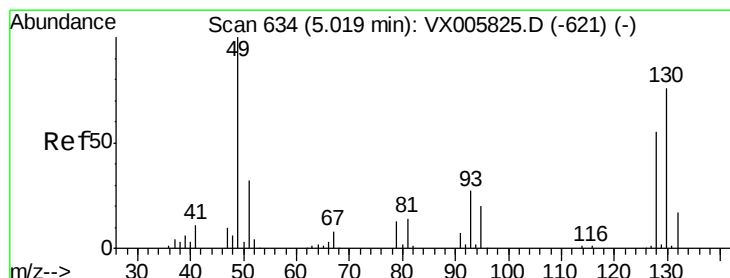
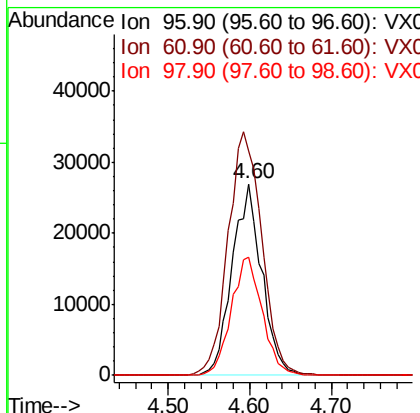
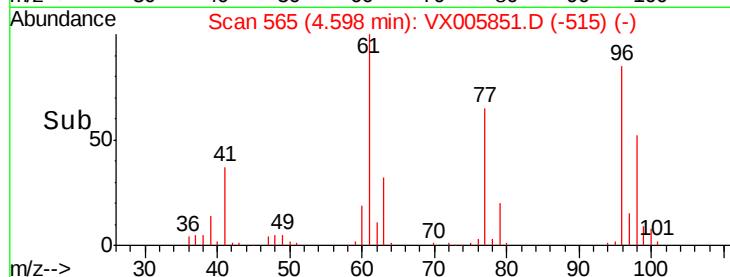
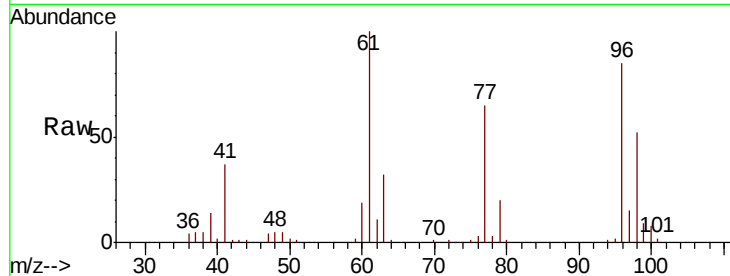
cis-1,2-Dichloroethene
Concen: 52.762 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	304.6
98	64.4	0.0	127.4

Manual Integrations
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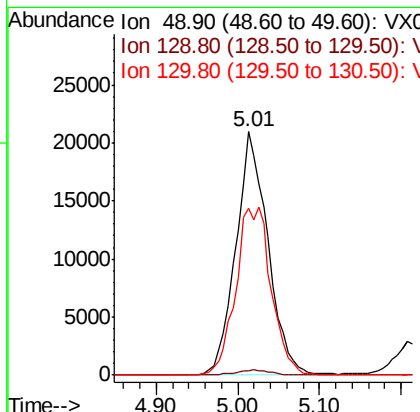
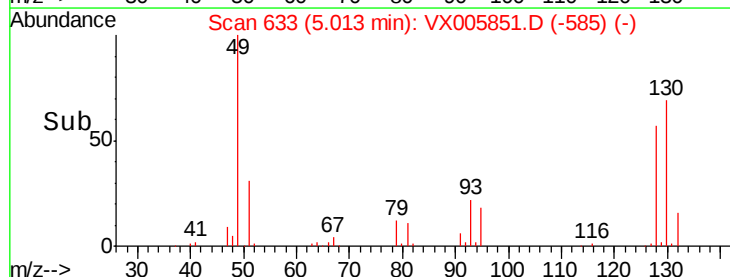
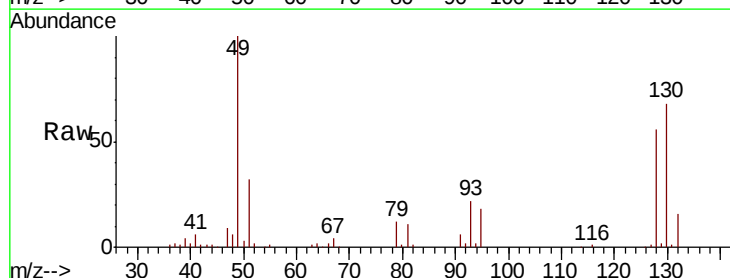
MMDadoda
11/9/2018 2:50:00 PM

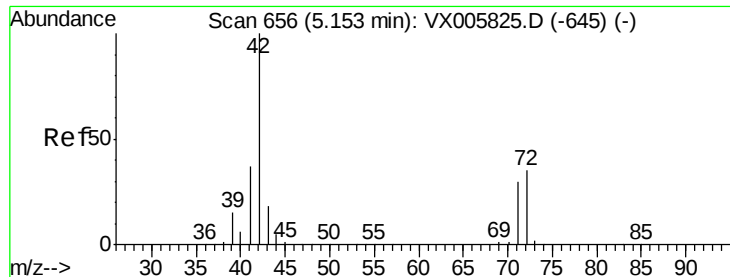


#28

Bromochloromethane
Concen: 55.716 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	75.6	58.9	88.3





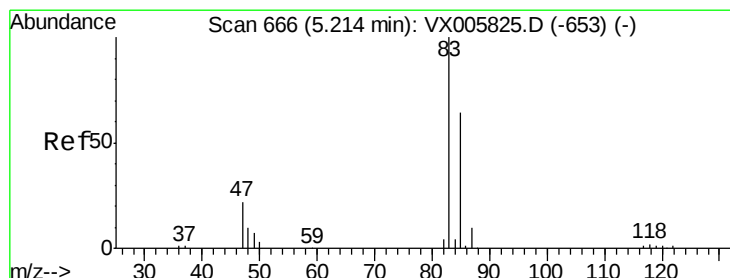
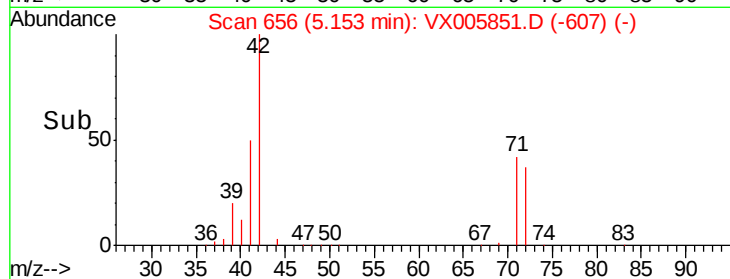
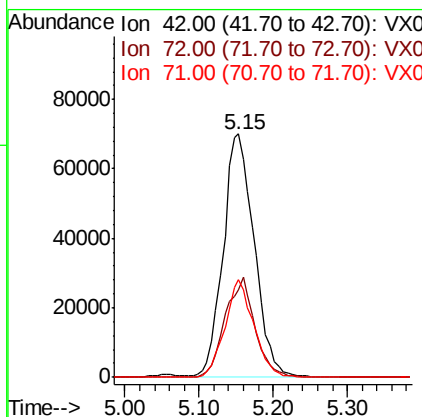
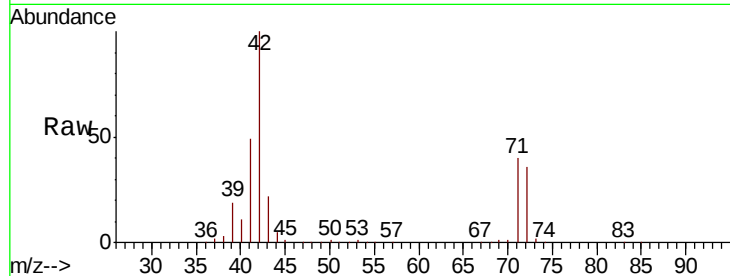
#29
Tetrahydrofuran
Concen: 260.308 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.0	48.0
71	37.8	29.8	44.8

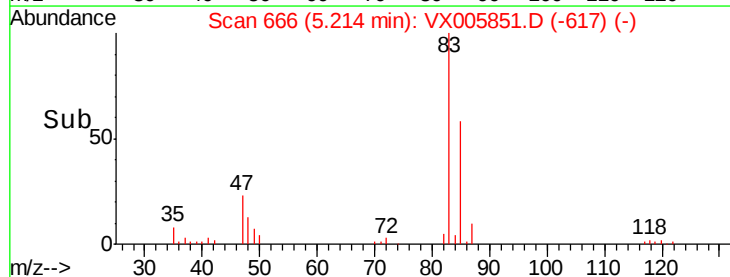
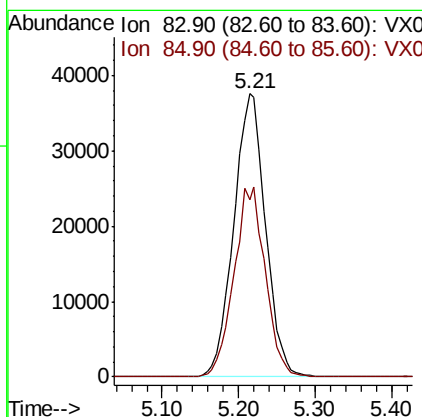
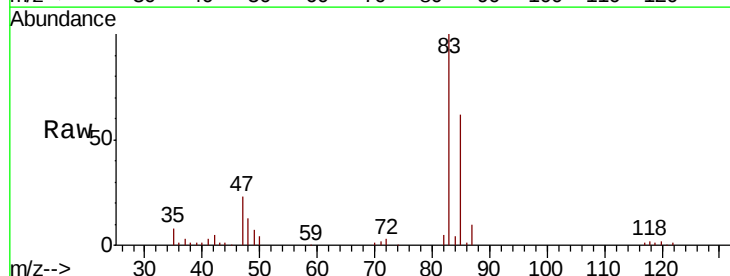
Manual Integrations
APPROVED

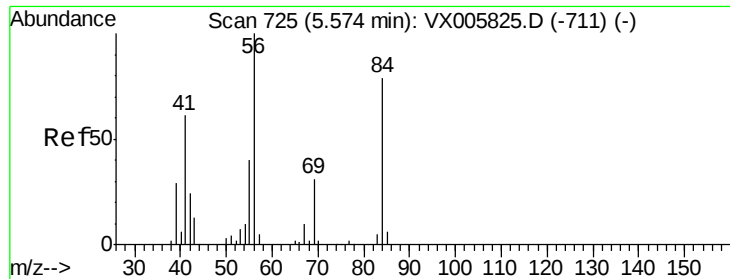
MMDadoda
11/9/2018 2:50:00 PM



#30
Chloroform
Concen: 48.752 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.6	76.0





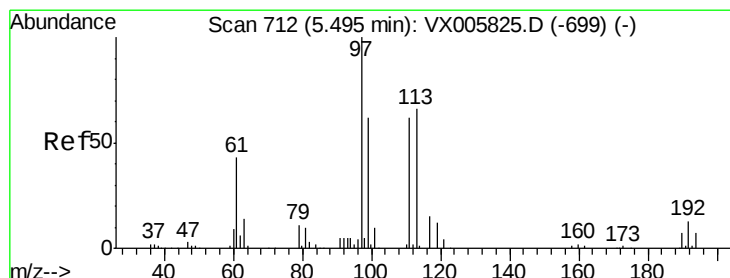
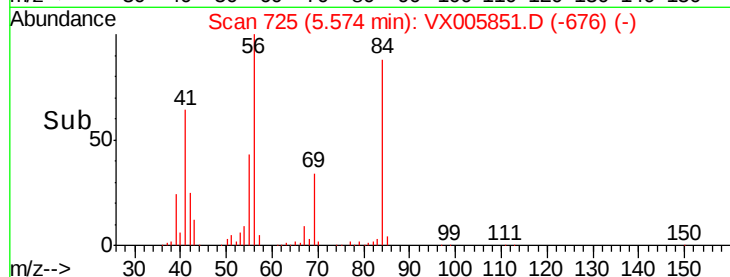
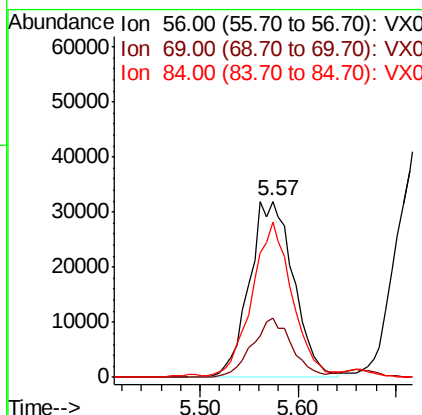
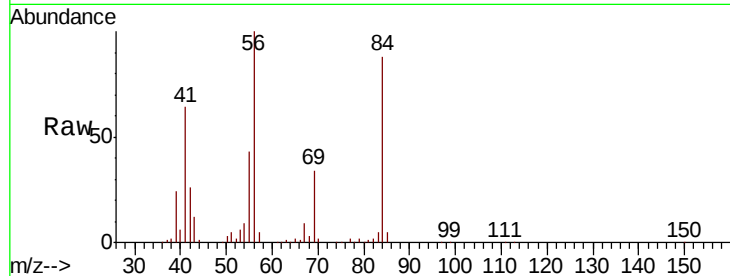
#31
Cyclohexane
Concen: 50.590 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	22.6	34.0
84	86.7	62.7	94.1

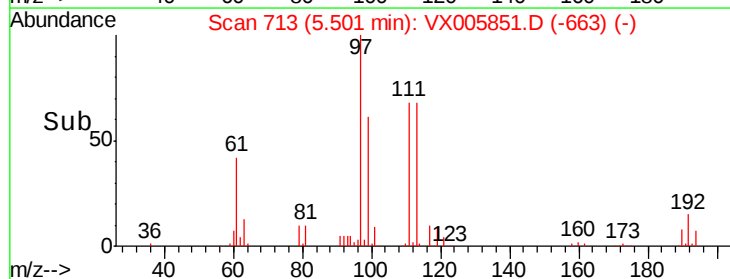
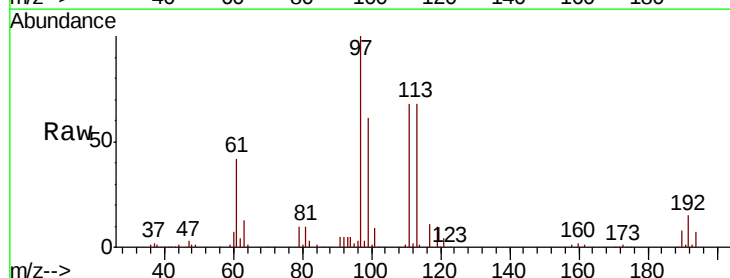
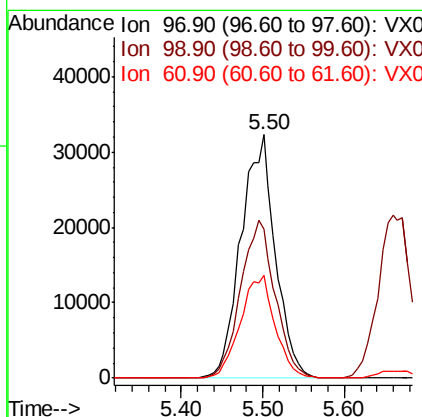
Manual Integrations
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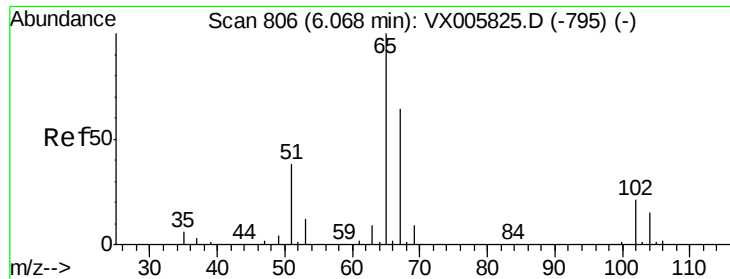
MMDadoda
11/9/2018 2:50:00 PM



#32
1,1,1-Trichloroethane
Concen: 51.013 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.3	78.5
61	42.8	35.2	52.8





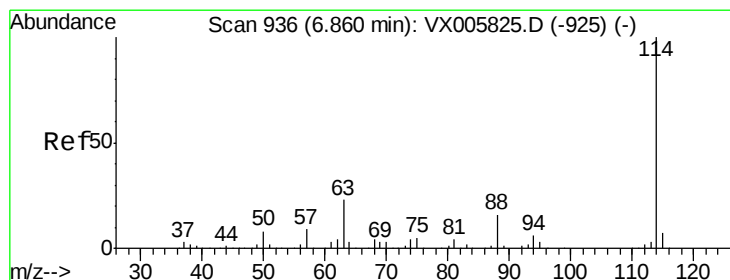
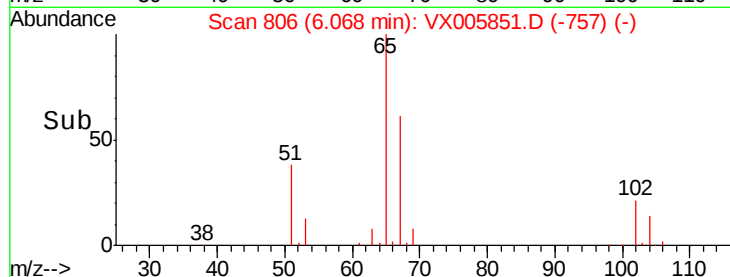
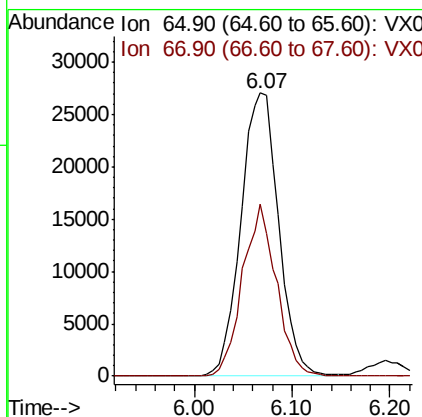
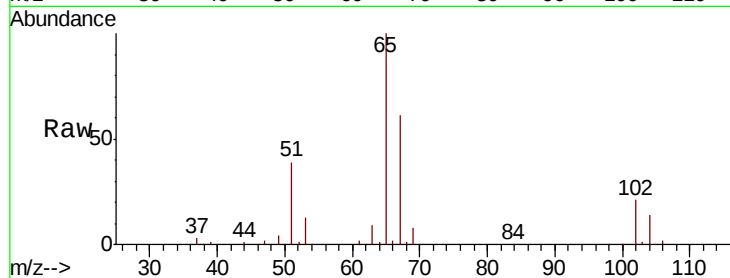
#33
 1,2-Dichloroethane-d4
 Concen: 50.613 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	105.0

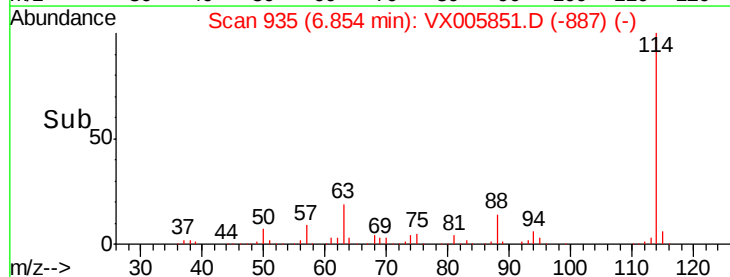
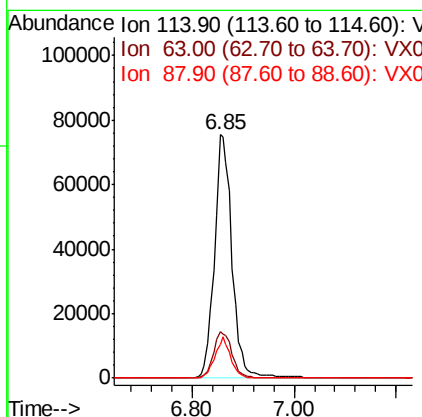
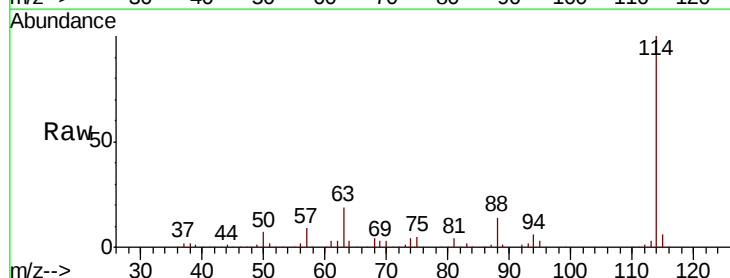
Manual Integrations
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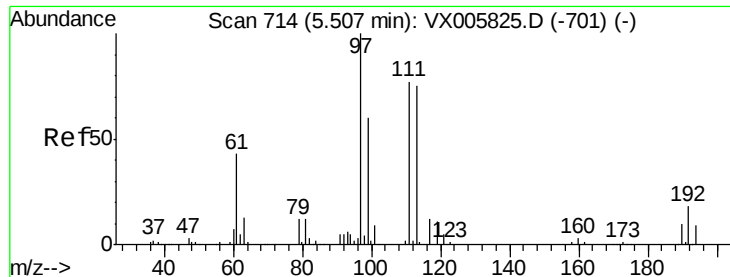
MMDadoda
 11/9/2018 2:50:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	42.8
88	14.0	0.0	31.2





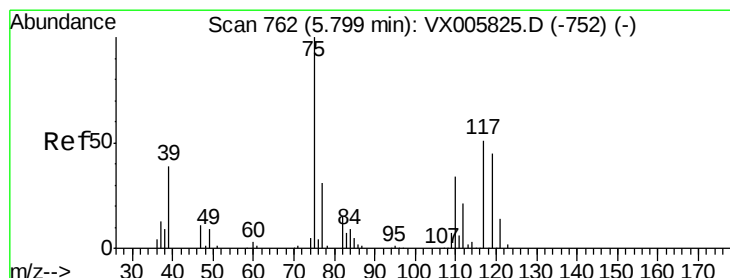
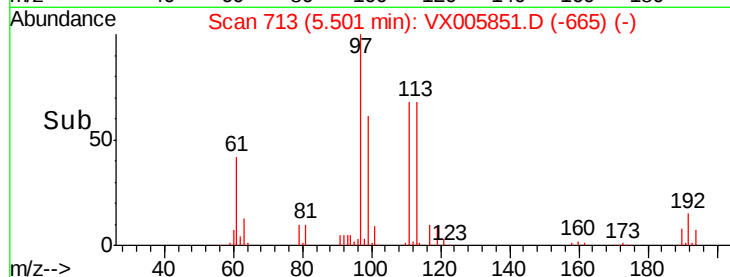
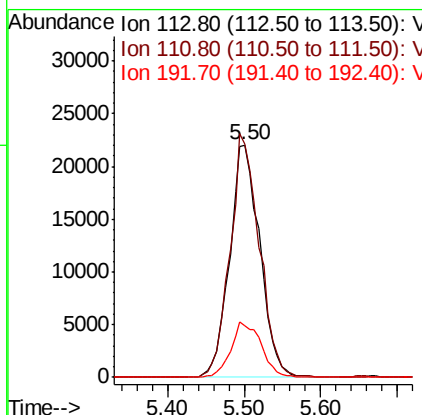
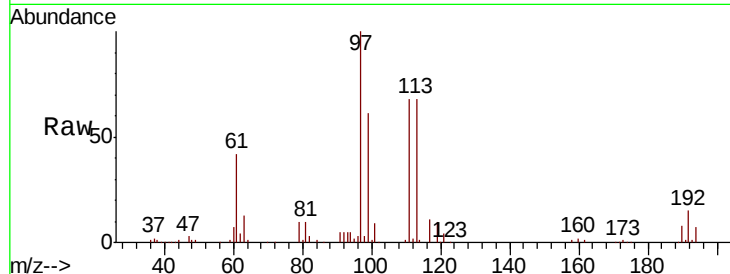
#35
 Dibromofluoromethane
 Concen: 49.002 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	60260		
111	101.3	82.3	123.5	
192	23.6	17.9	26.9	

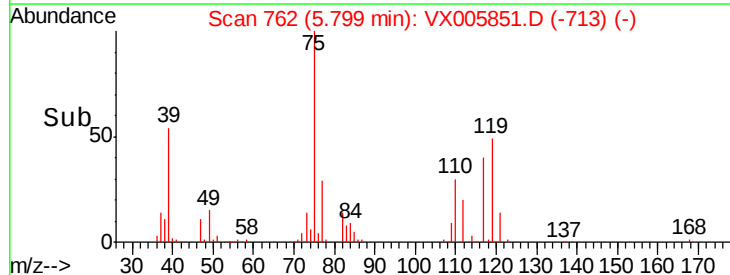
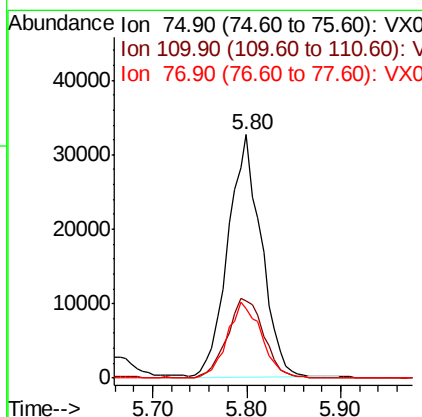
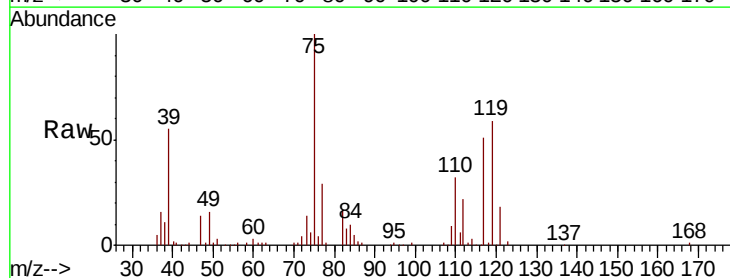
Manual Integrations
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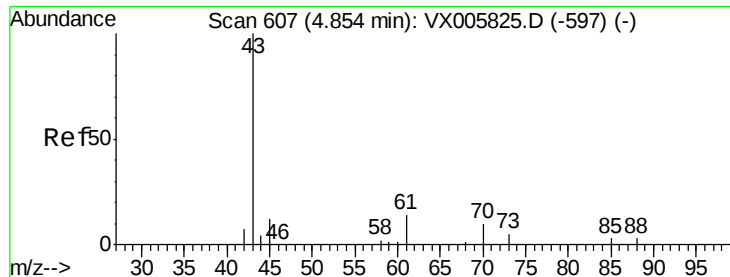
MMDadoda
 11/9/2018 2:50:00 PM



#36
 1,1-Dichloropropene
 Concen: 45.925 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80047		
110	36.4	17.4	52.2	
77	32.7	25.8	38.6	





#37

Ethyl Acetate

Concen: 48.976 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Instrument :

MSVOA_X

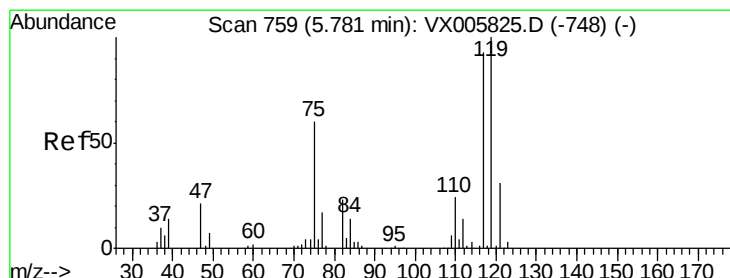
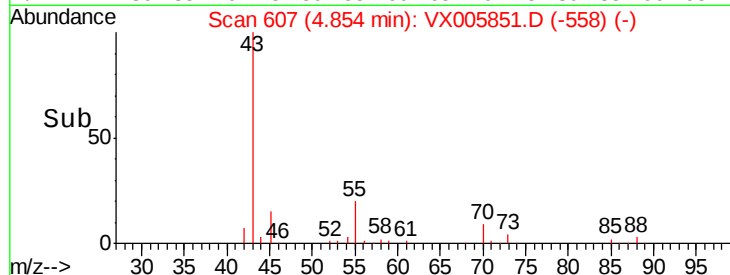
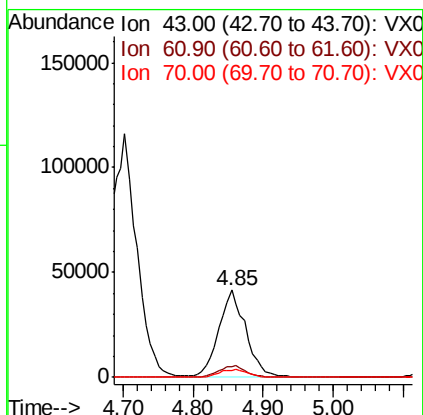
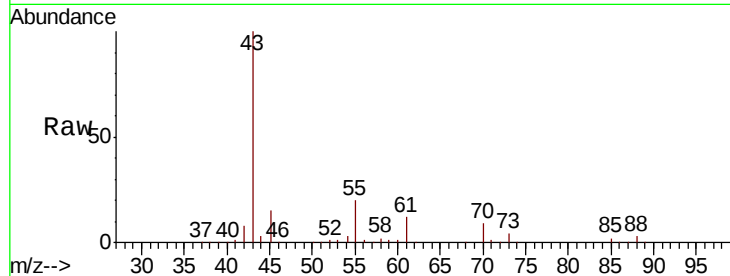
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	112257
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.8	16.2
70	9.7	7.8	11.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 47.392 ug/l

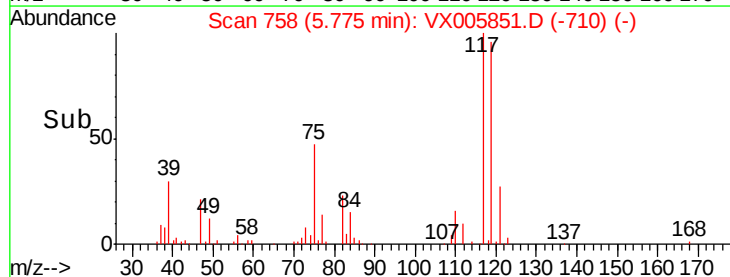
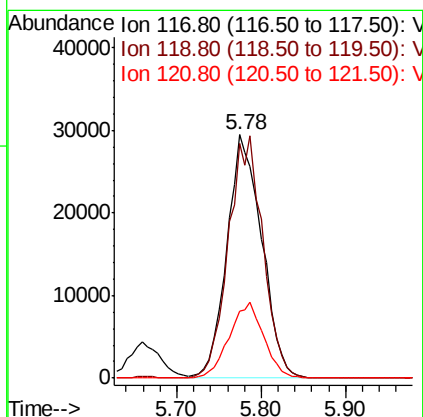
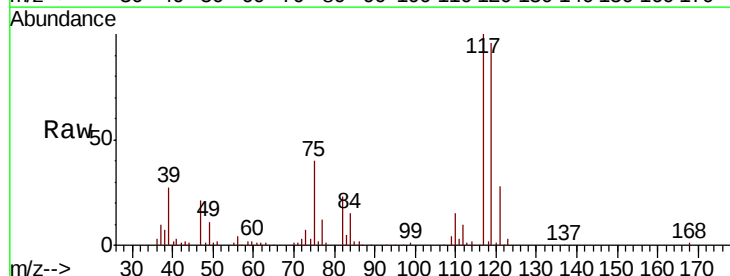
RT: 5.78 min Scan# 759

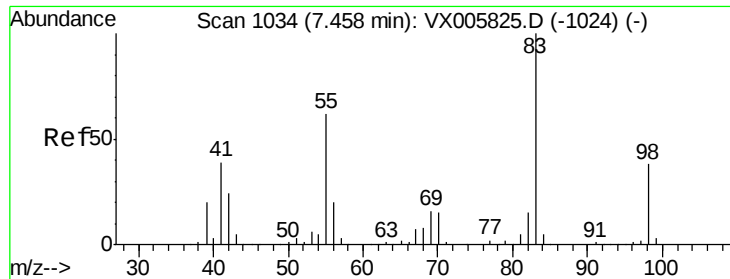
Delta R.T. -0.01 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Tgt Ion:	117	Resp:	82697
Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.1	117.1
121	27.6	24.6	36.8





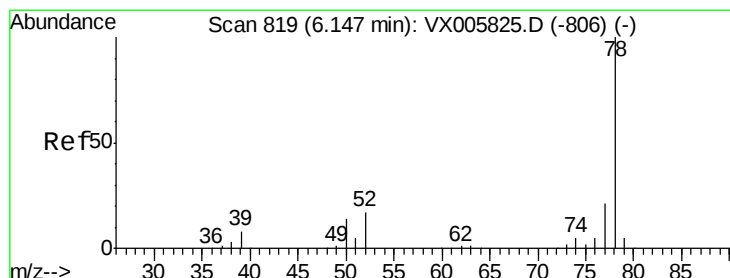
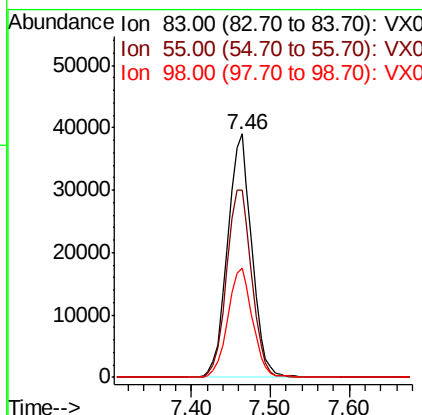
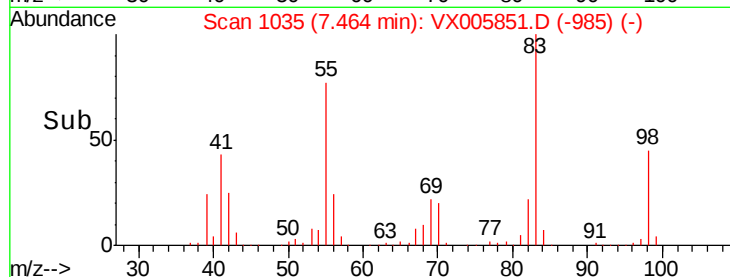
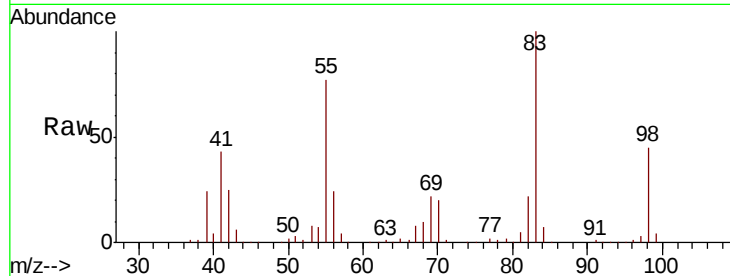
#39
Methvlcvclohexane
Concen: 47.176 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	63.7	95.5
98	44.9	36.2	54.2

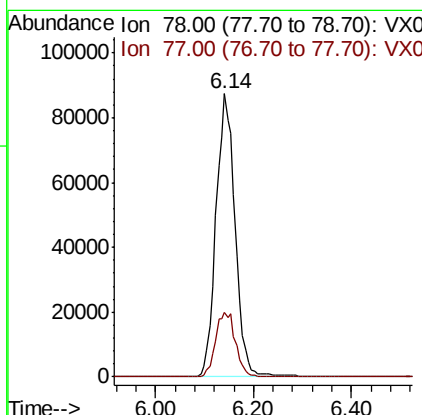
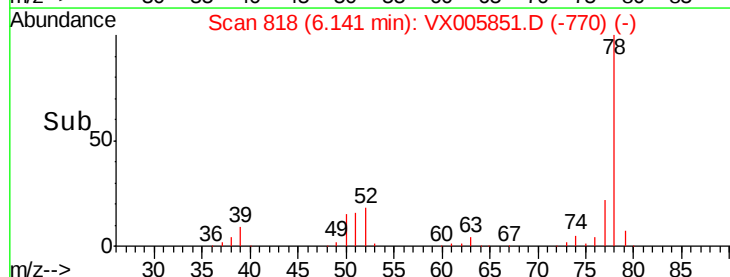
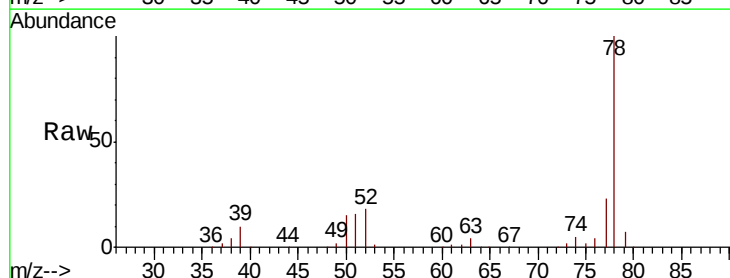
Manual Integrations
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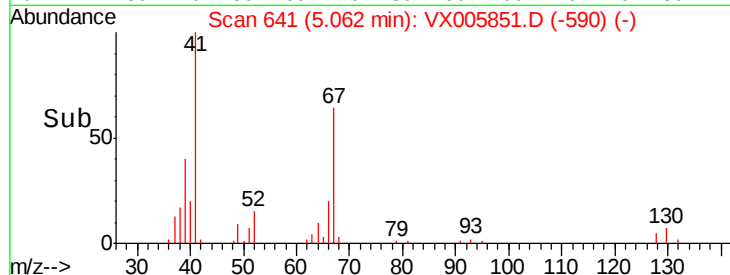
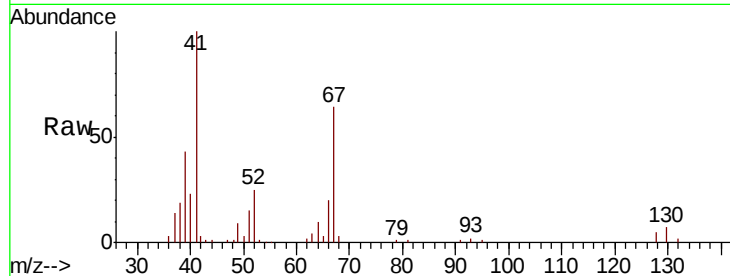
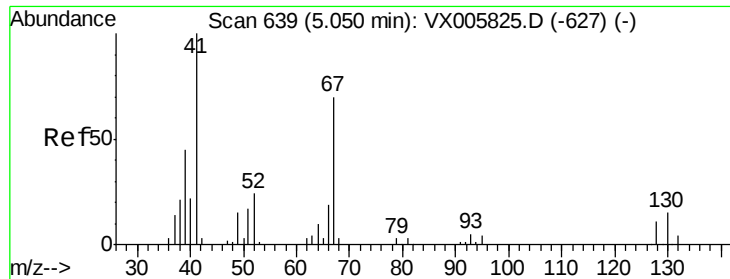
MMDadoda
11/9/2018 2:50:00 PM



#40
Benzene
Concen: 46.458 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6





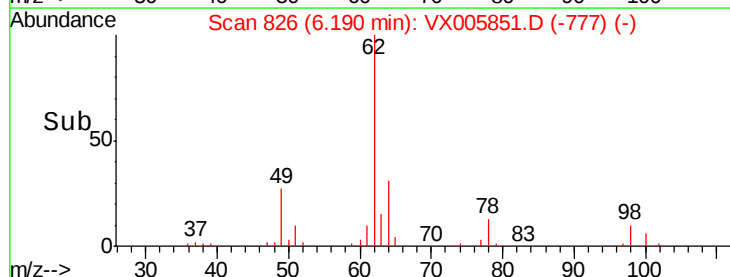
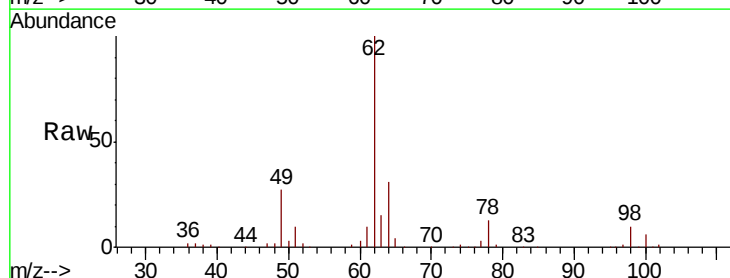
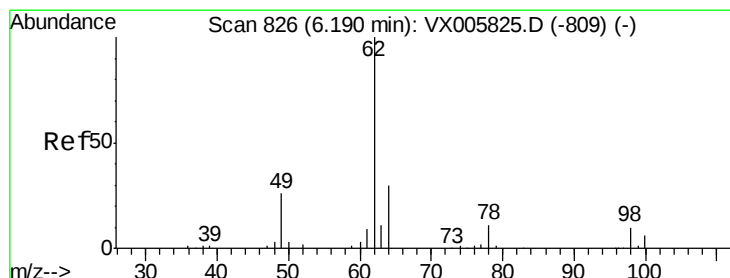
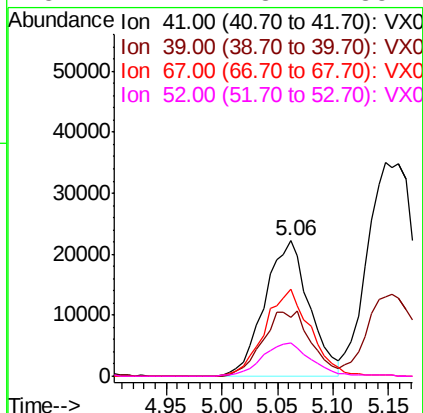
#41
Methacrylonitrile
Concen: 50.157 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	51.6	42.2	63.2
67	67	65.3	53.4	80.0
52	52	27.2	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

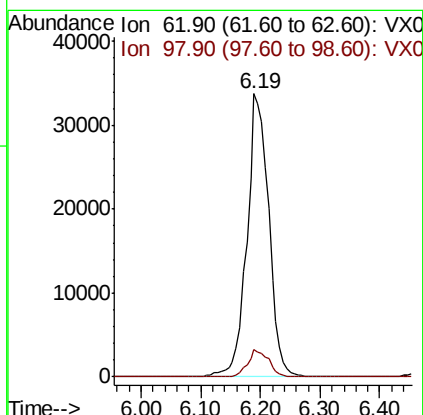
Manual Integrations
APPROVED

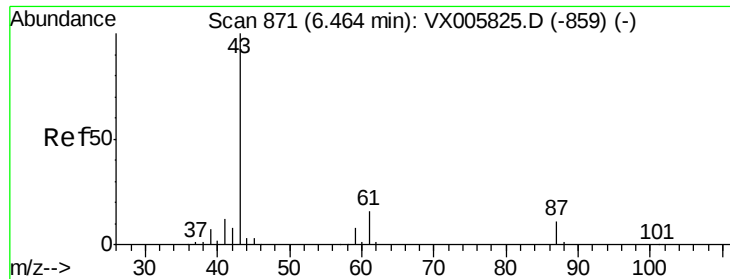
MMDadoda
11/9/2018 2:50:00 PM



#42
1,2-Dichloroethane
Concen: 47.313 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	9.1	0.0	17.8





#43

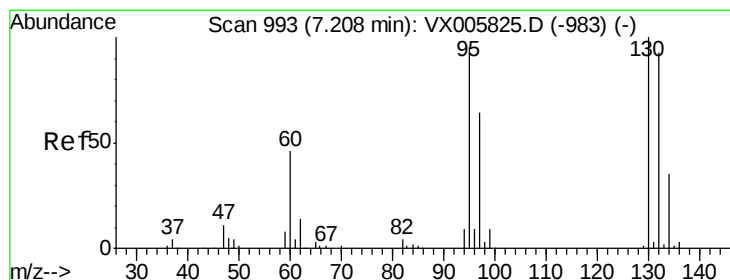
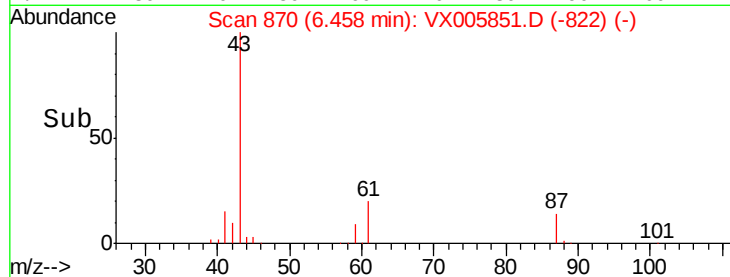
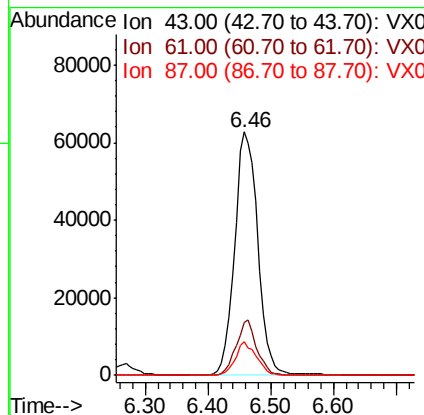
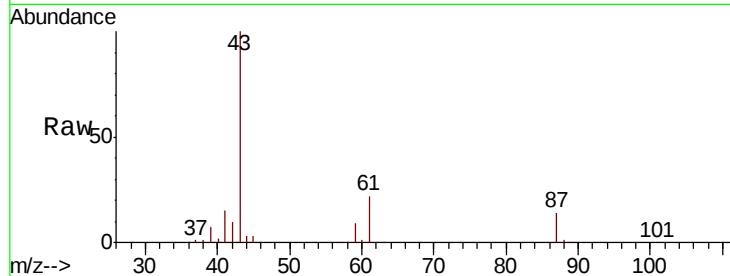
Isopropyl Acetate
 Concen: 48.458 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	14.6	22.0
87	12.5	9.6	14.4

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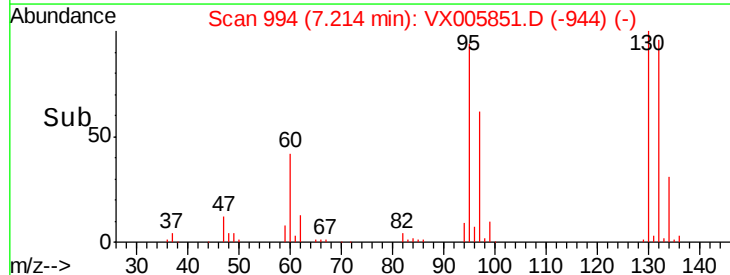
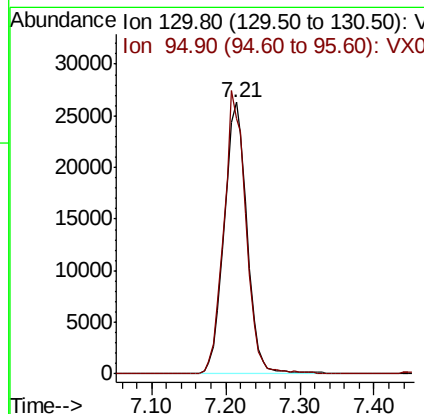
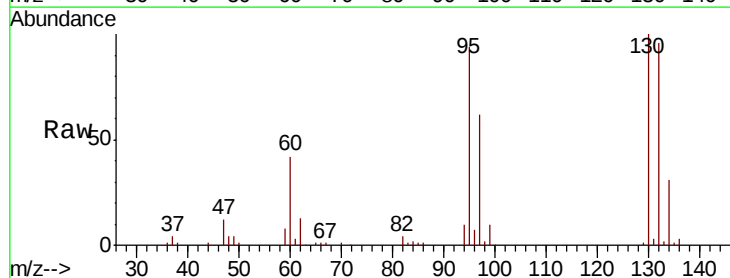
MMDadoda
 11/9/2018 2:50:00 PM

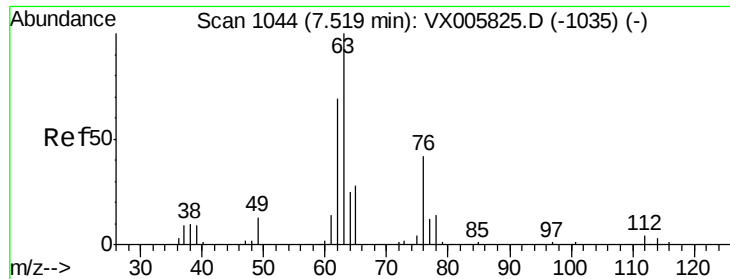


#44

Trichloroethene
 Concen: 43.668 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	194.2





#45

1,2-Dichloropropane

Concen: 46.582 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 57450

Ion Ratio Lower Upper

63 100

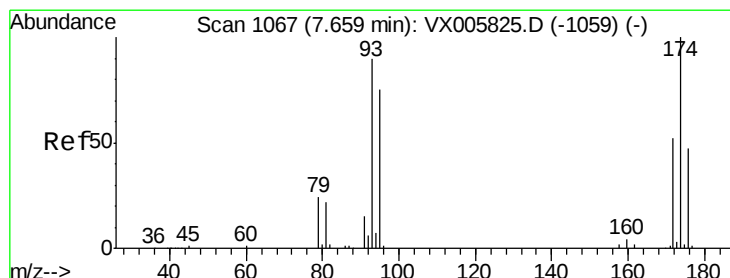
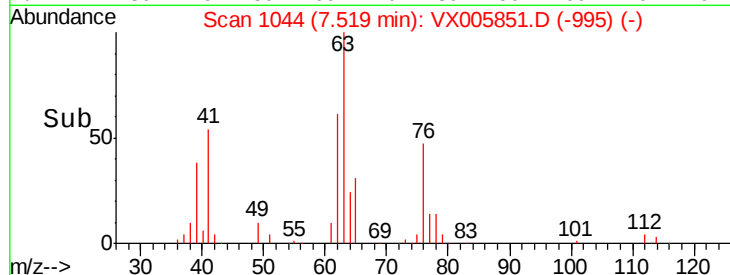
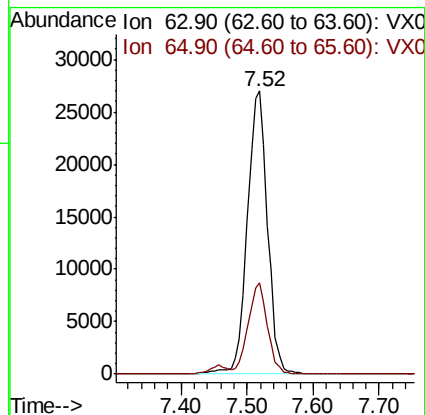
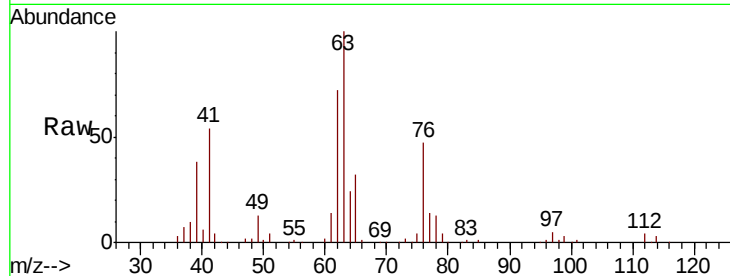
65 32.5 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 46.424 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

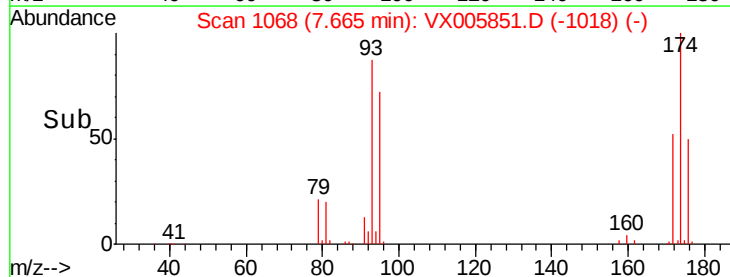
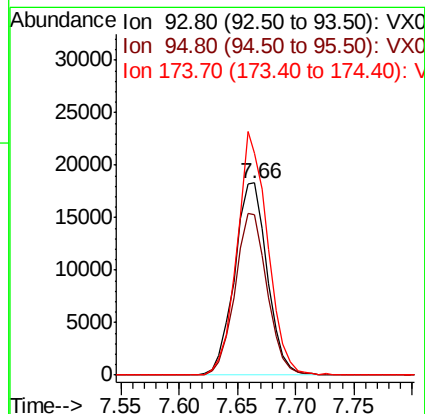
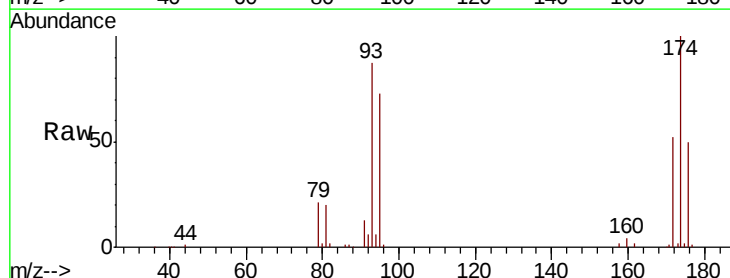
Tgt Ion: 93 Resp: 35928

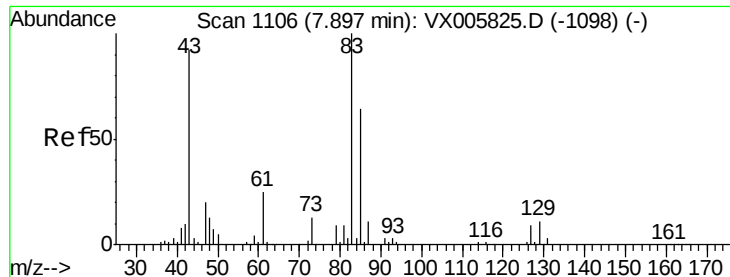
Ion Ratio Lower Upper

93 100

95 82.6 67.4 101.0

174 118.3 91.5 137.3





#47

Bromodichloromethane

Concen: 47.915 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Instrument :

MSVOA_X

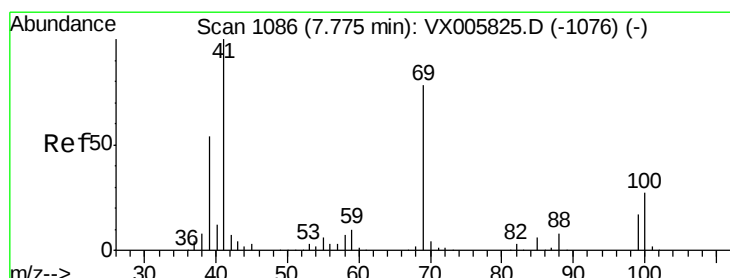
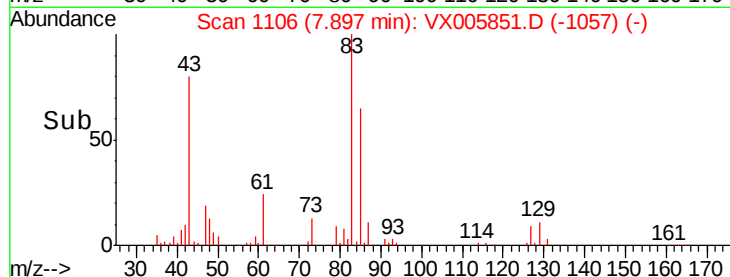
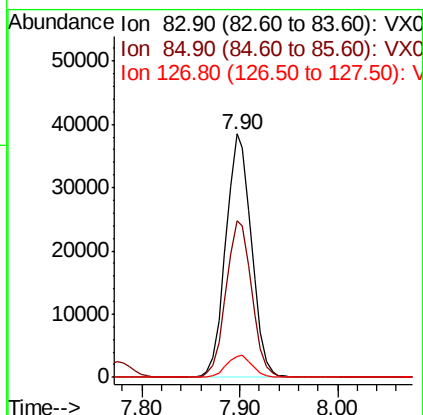
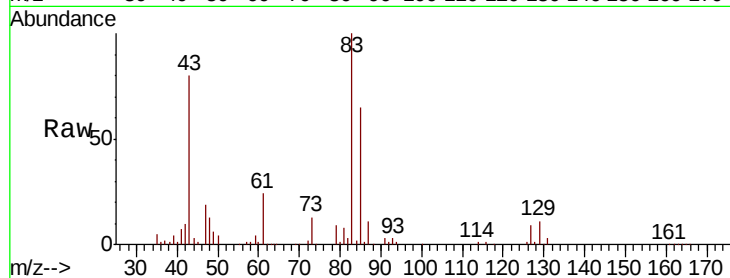
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	70080
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.2	75.4
127	8.7	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.800 ug/l

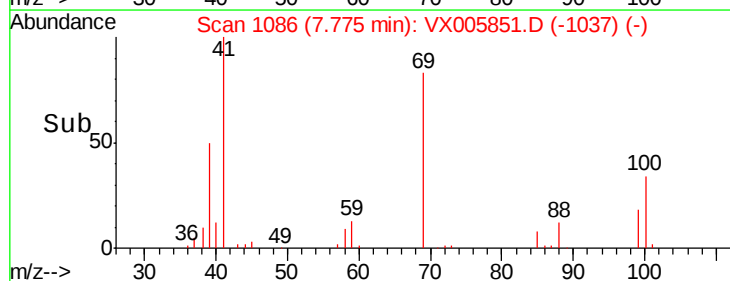
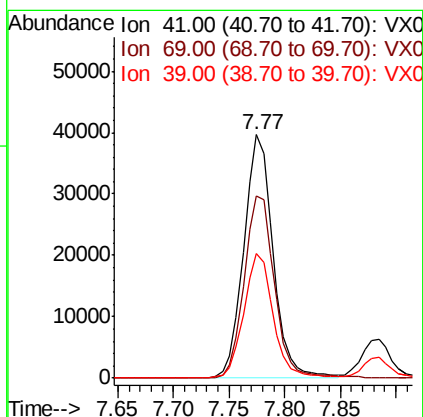
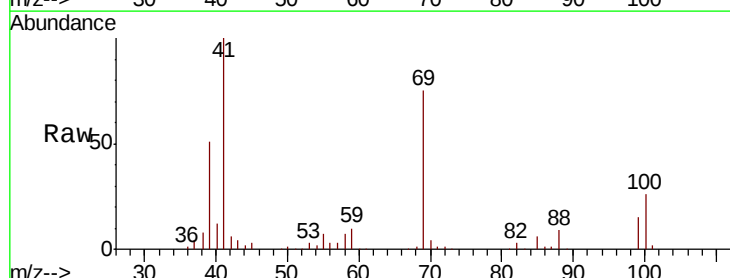
RT: 7.77 min Scan# 1086

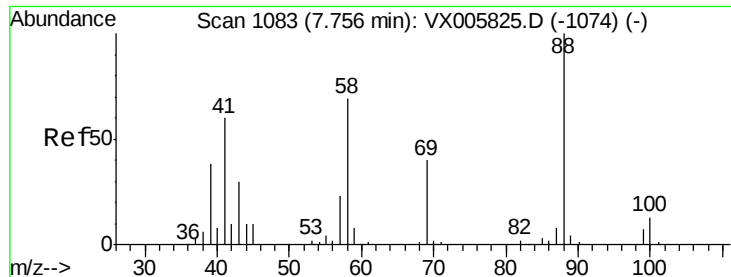
Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Tgt Ion:	41	Resp:	72776
Ion	Ratio	Lower	Upper
41	100		
69	78.0	63.2	94.8
39	51.1	42.2	63.2





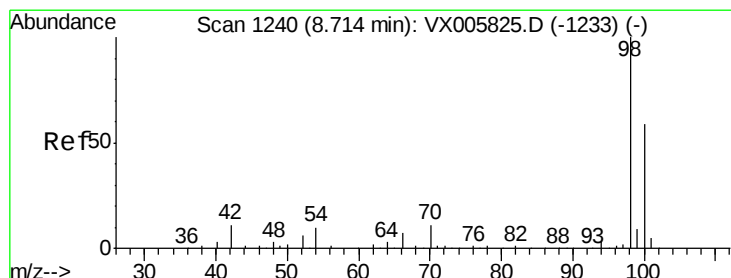
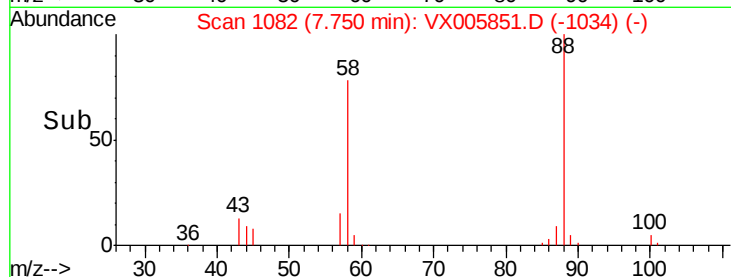
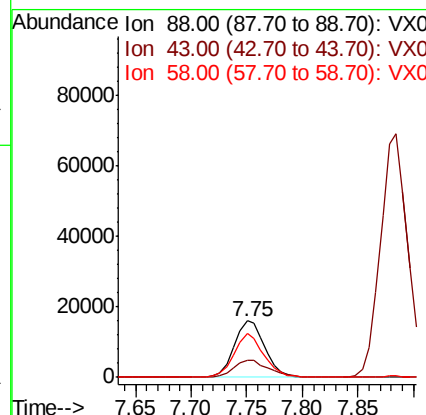
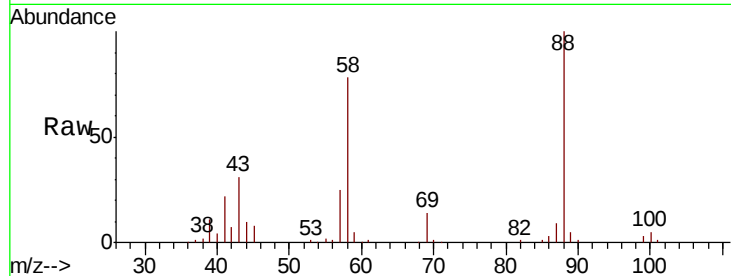
#49
1,4-Dioxane
Concen: 950.722 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	27.4	41.0
58	75.3	59.4	89.2

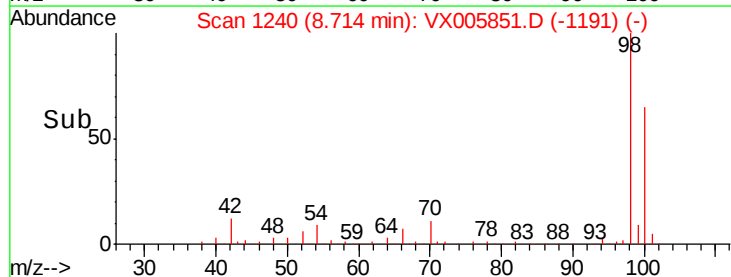
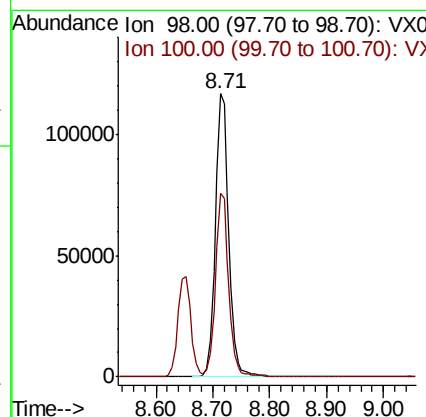
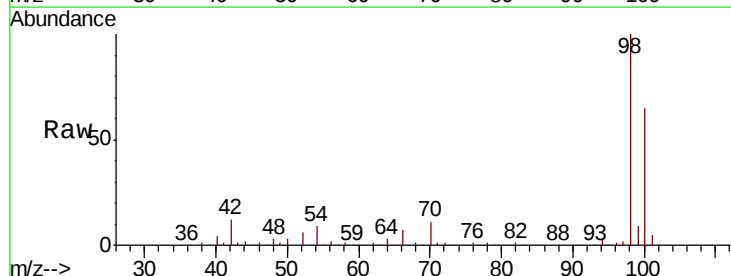
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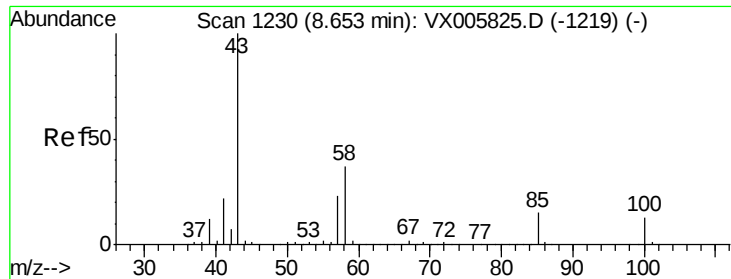
MMDadoda
11/9/2018 2:50:00 PM



#50
Toluene-d8
Concen: 46.911 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.3	76.9





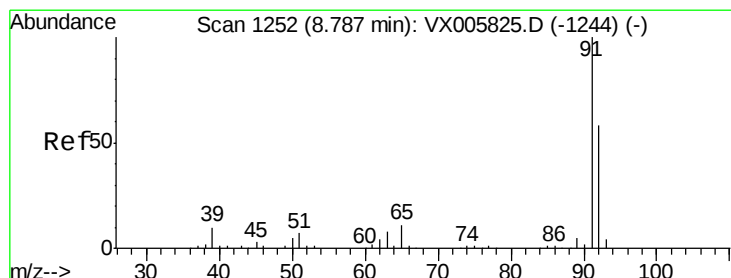
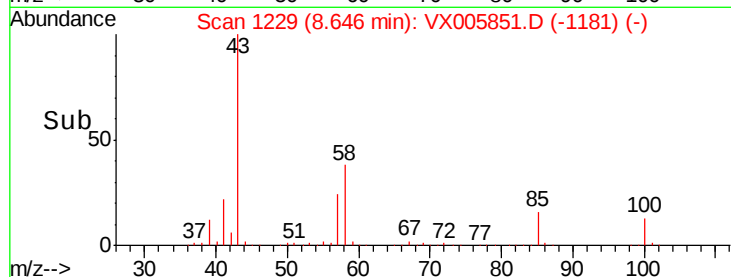
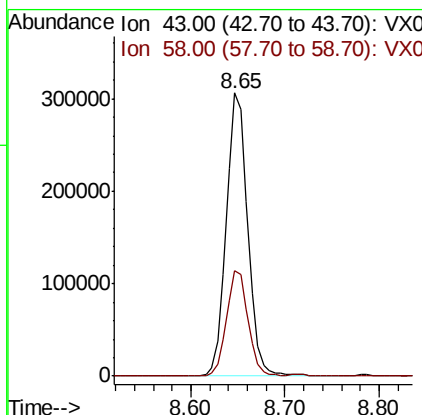
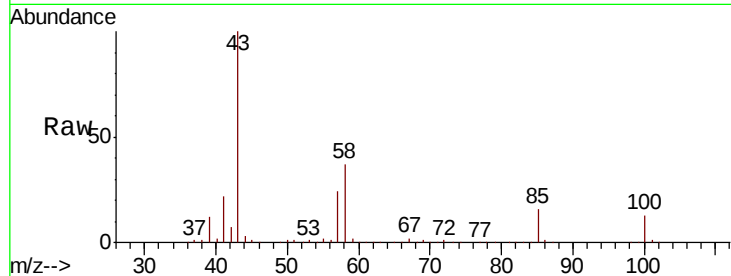
#51
4-Methyl-2-Pentanone
Concen: 231.404 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.7	44.5

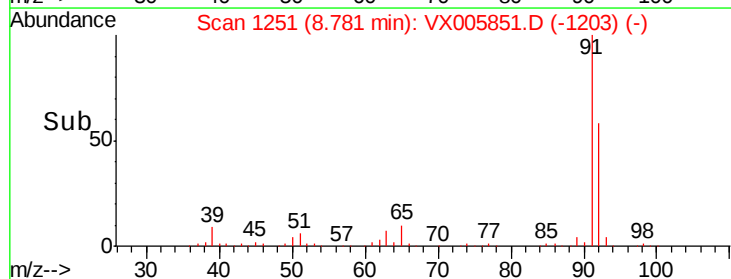
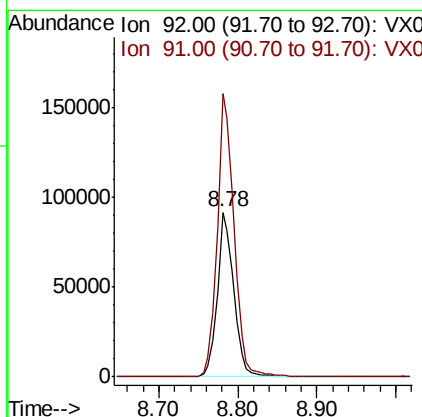
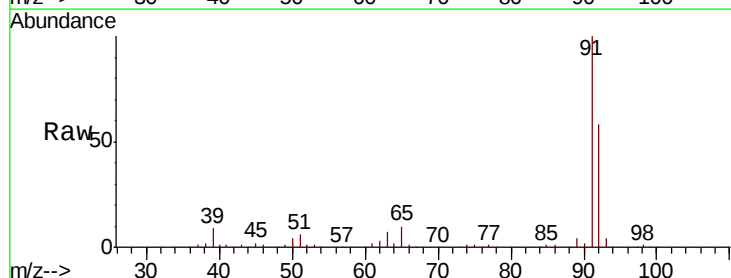
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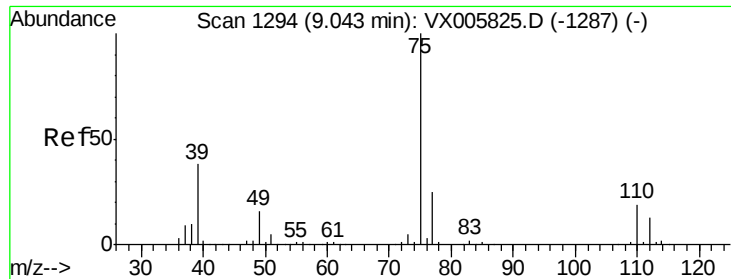
MMDadoda
11/9/2018 2:50:00 PM



#52
Toluene
Concen: 47.222 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.8	140.4	210.6





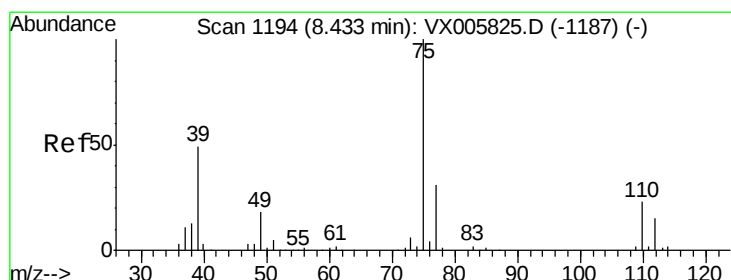
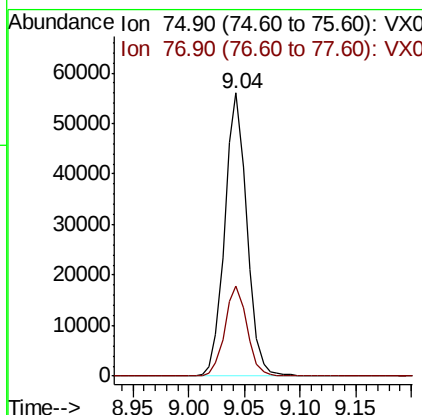
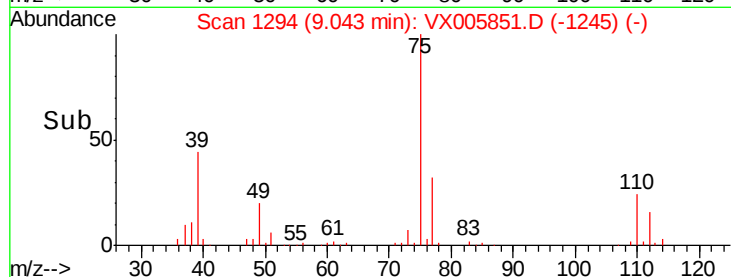
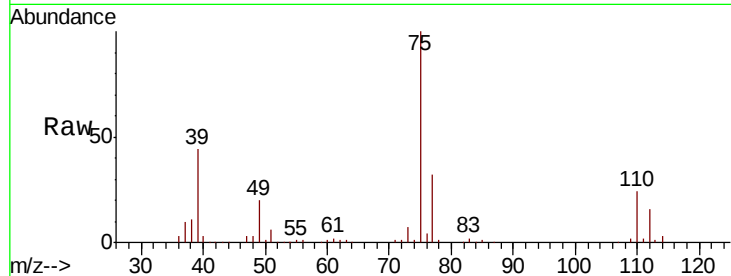
#53
t-1,3-Dichloropropene
Concen: 44.811 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 77343
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

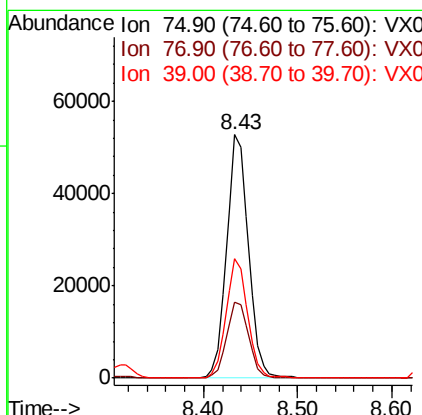
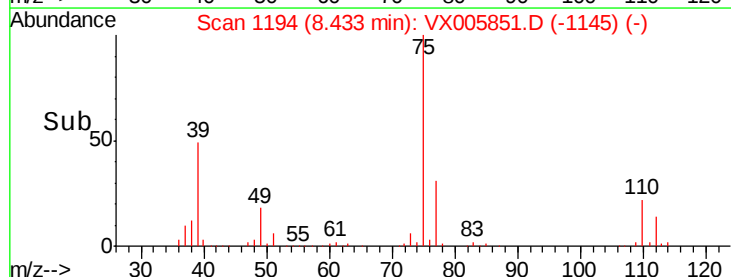
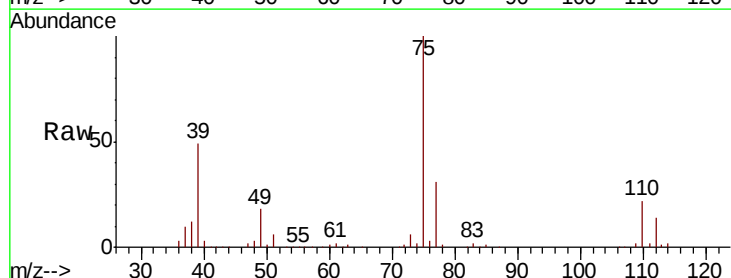
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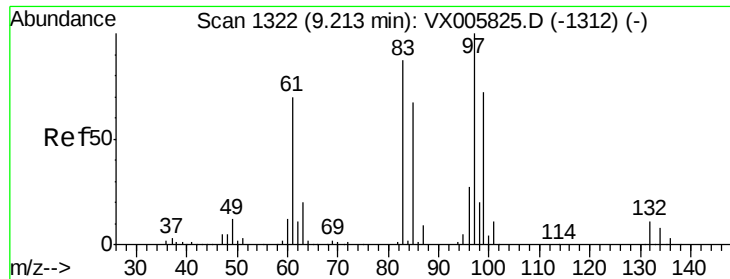
MMDadoda
11/9/2018 2:50:00 PM



#54
cis-1,3-Dichloropropene
Concen: 48.168 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion: 75 Resp: 84738
Ion Ratio Lower Upper
75 100
77 31.1 25.2 37.8
39 48.9 38.2 57.2





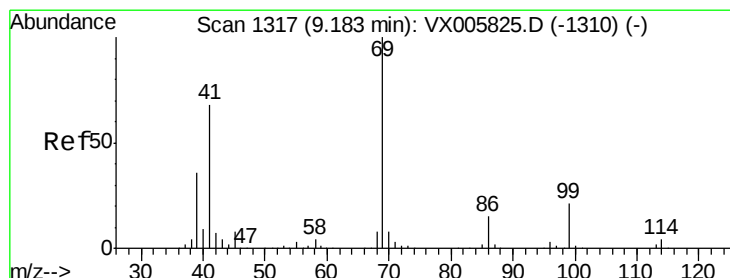
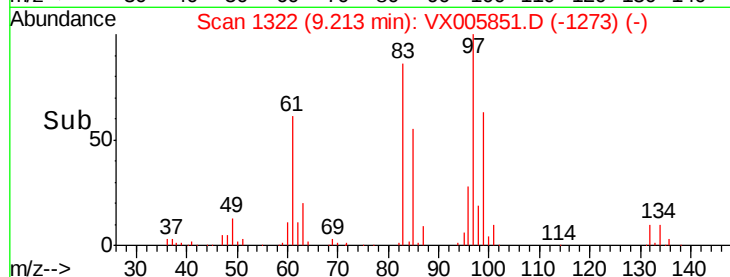
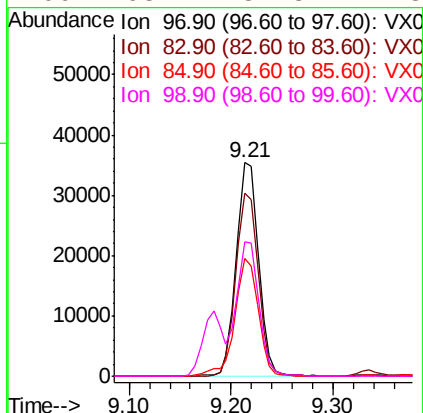
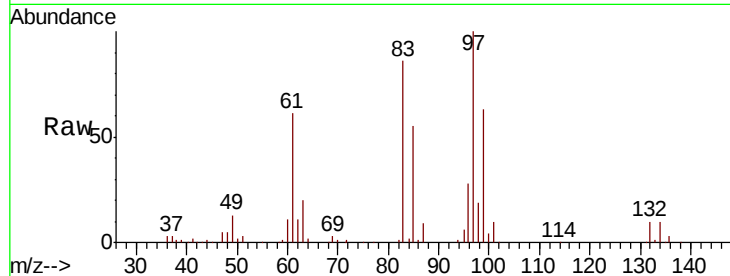
#55
 1,1,2-Trichloroethane
 Concen: 42.351 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	53601
Ion	Ratio	Lower	Upper
97	100		
83	86.0	70.7	106.1
85	55.0	45.8	68.6
99	63.1	51.8	77.8

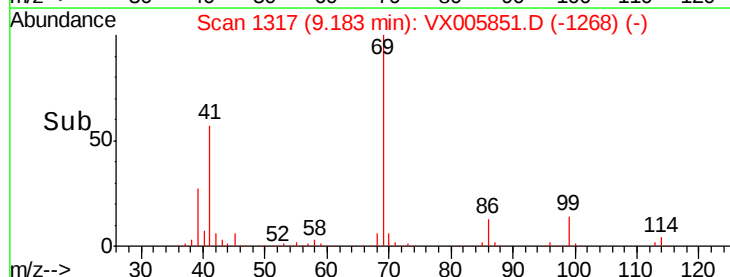
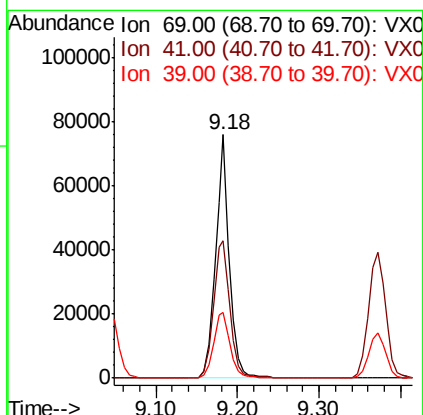
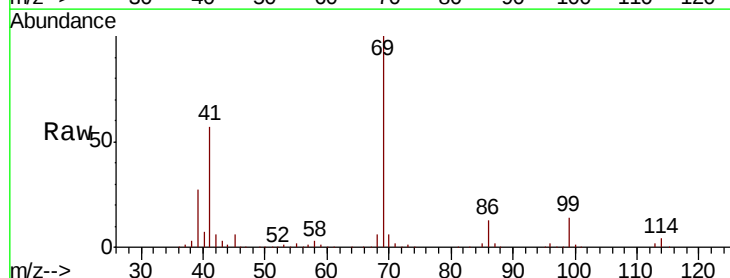
Manual Integrations
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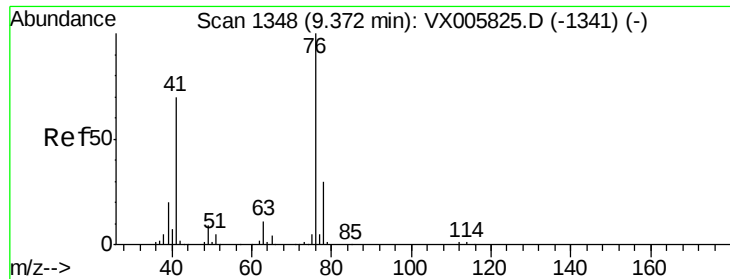
MMDadoda
 11/9/2018 2:50:00 PM



#56
 Ethyl methacrylate
 Concen: 47.664 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Tgt Ion:	69	Resp:	90262
Ion	Ratio	Lower	Upper
69	100		
41	67.5	57.0	85.6
39	32.3	28.3	42.5





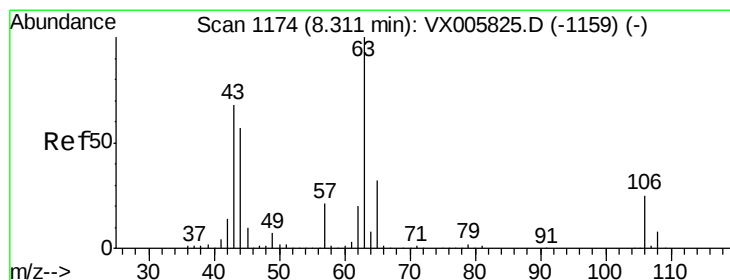
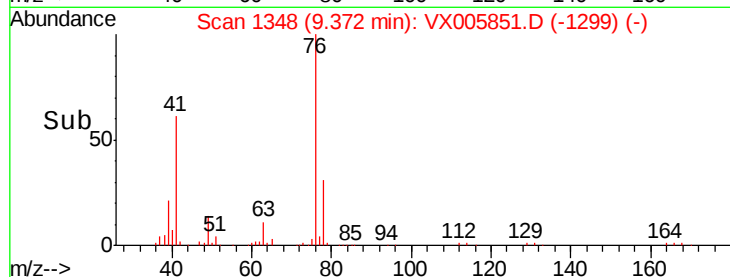
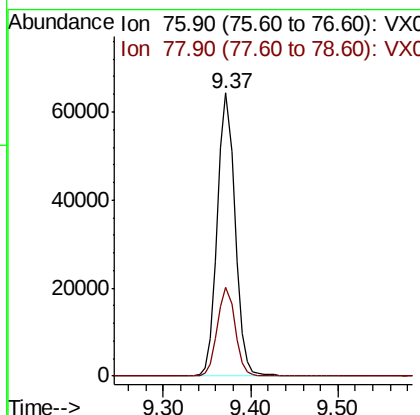
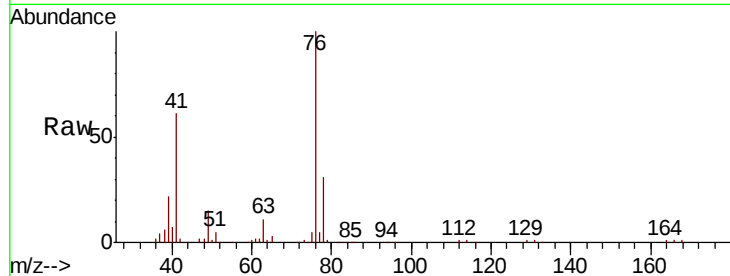
#57
 1,3-Dichloropropane
 Concen: 42.452 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.3	37.9

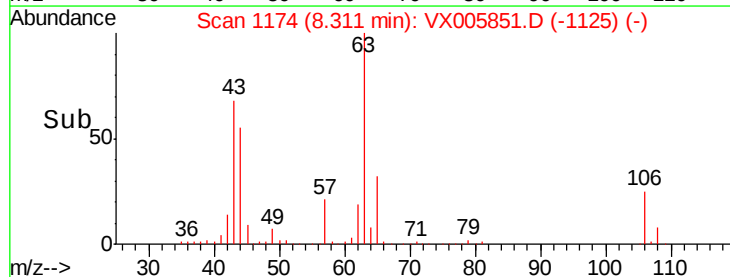
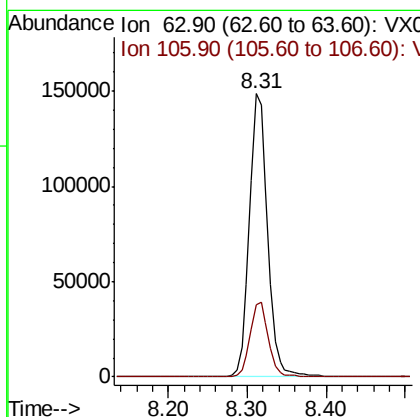
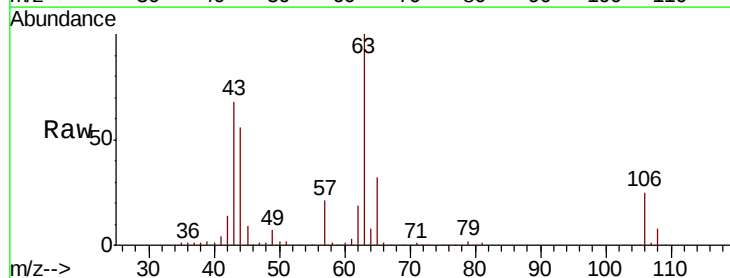
Manual Integrations
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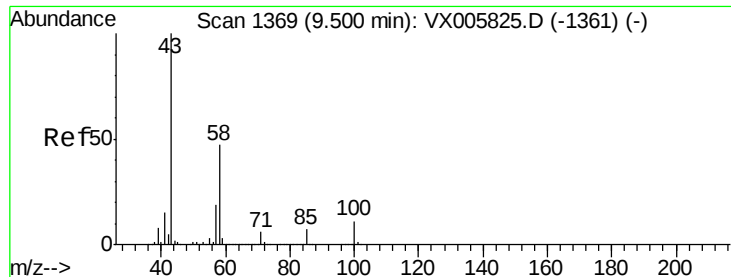
MMDadoda
 11/9/2018 2:50:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.475 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.3	31.9





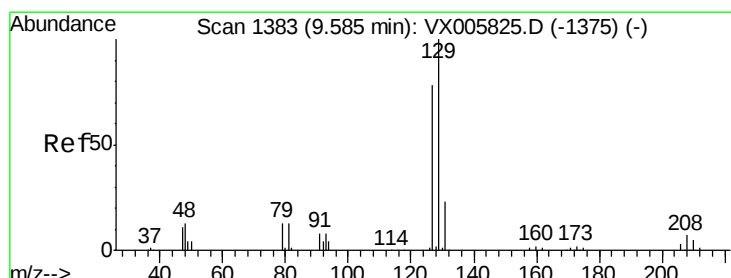
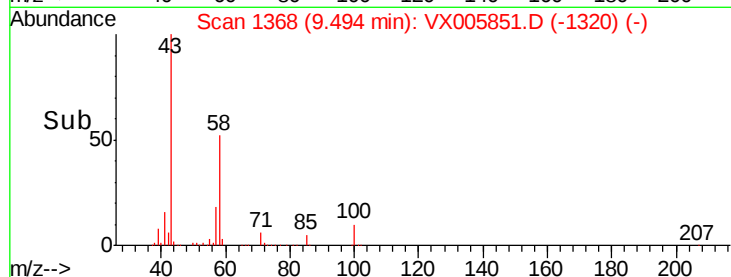
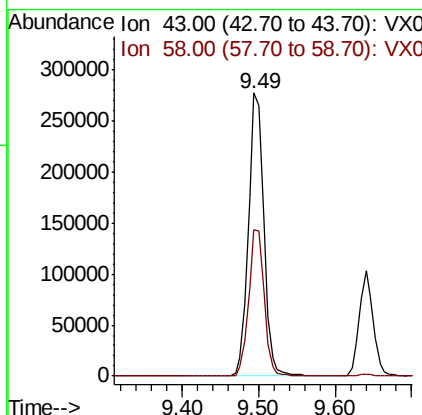
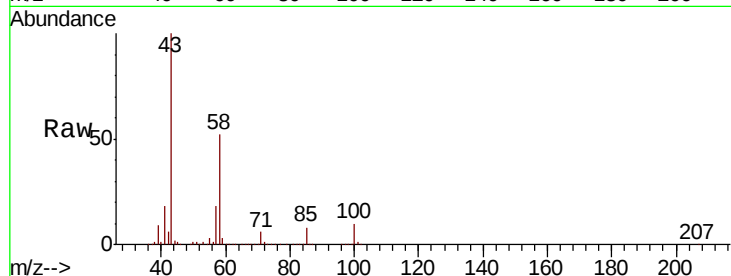
#59
2-Hexanone
Concen: 210.258 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 387937
Ion Ratio Lower Upper
43 100
58 52.3 25.9 77.8

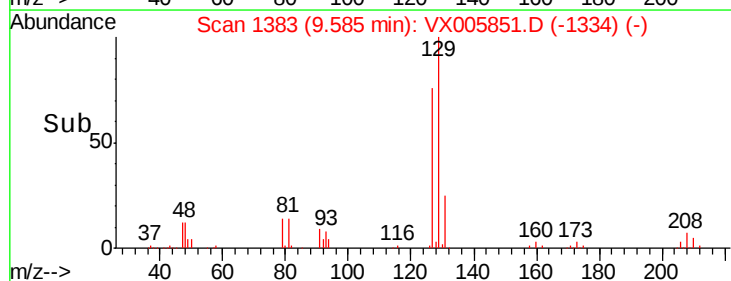
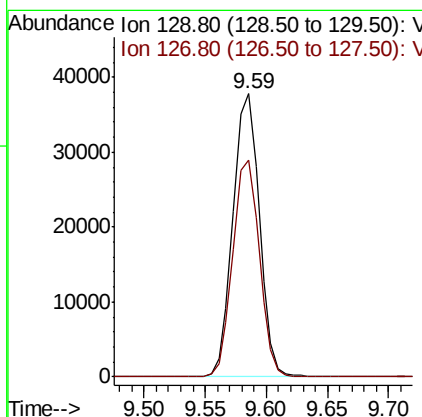
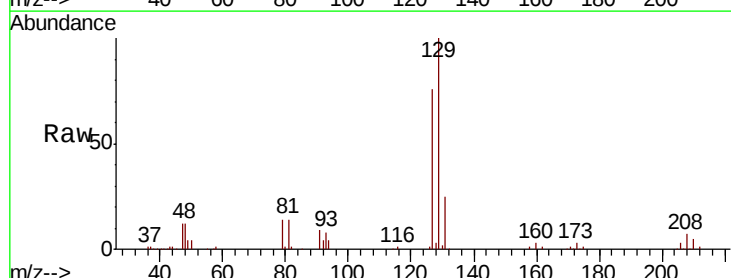
Manual Integrations
APPROVED

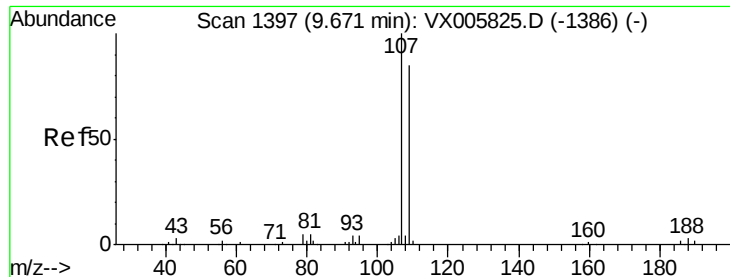
MMDadoda
11/9/2018 2:50:00 PM



#60
Dibromochloromethane
Concen: 41.326 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion: 129 Resp: 56527
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7





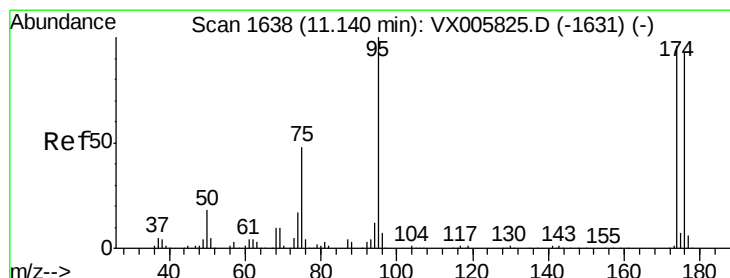
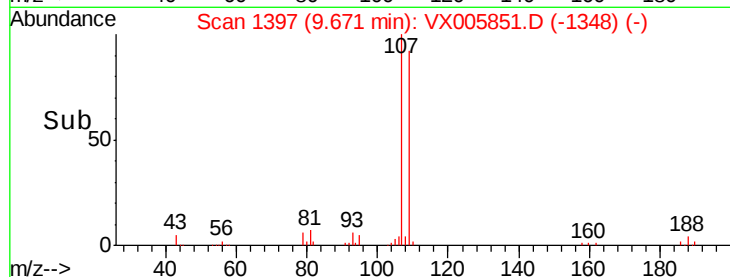
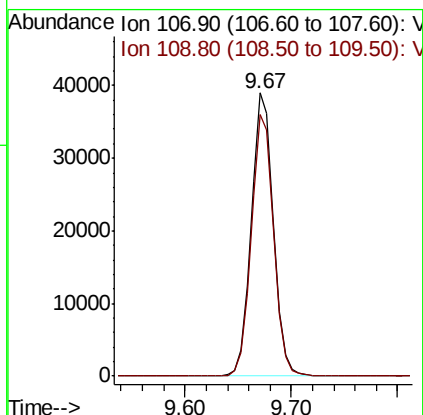
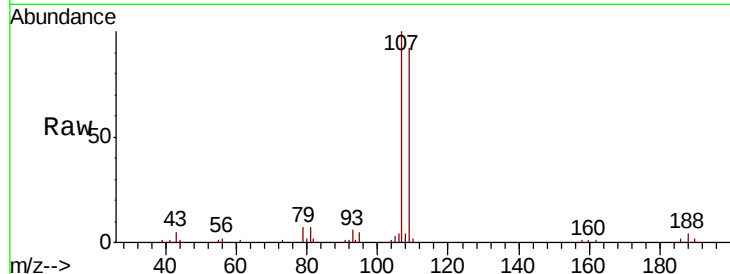
#61
 1,2-Dibromoethane
 Concen: 40.465 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 56631
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.7 113.5

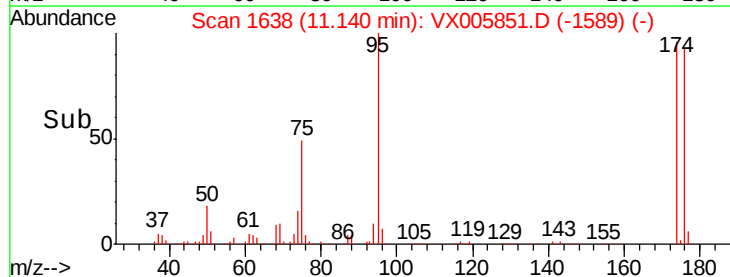
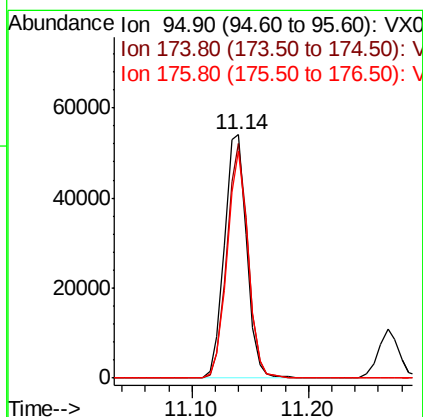
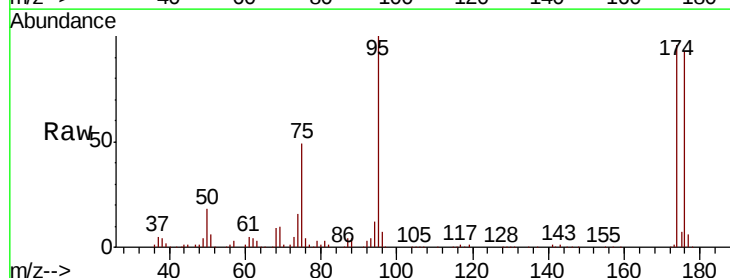
Manual Integrations
 APPROVED

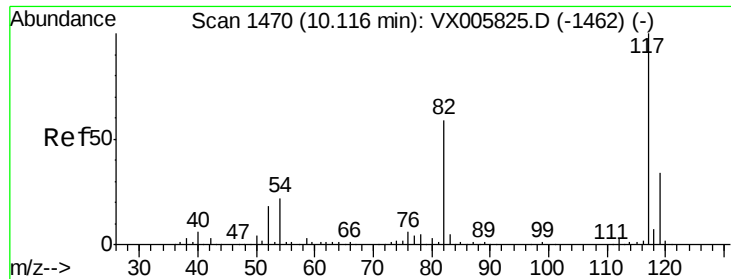
MMDadoda
 11/9/2018 2:50:00 PM



#62
 4-Bromofluorobenzene
 Concen: 48.730 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Tgt Ion: 95 Resp: 71629
 Ion Ratio Lower Upper
 95 100
 174 91.6 0.0 184.4
 176 88.3 0.0 177.4





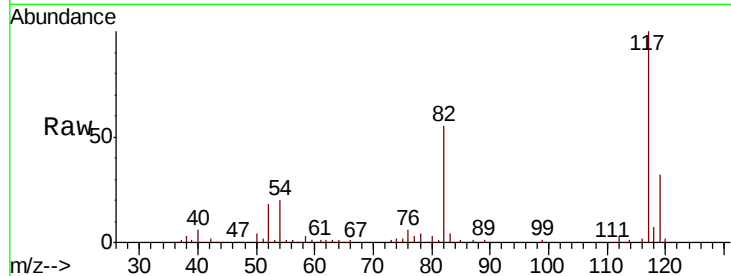
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.1	66.1
119	31.9	26.2	39.2

Manual Integrations
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MMDadoda
11/9/2018 2:50:00 PM

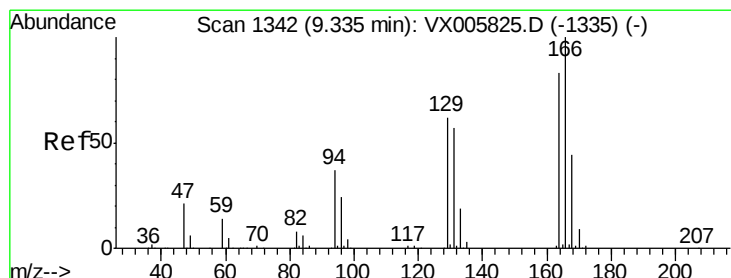
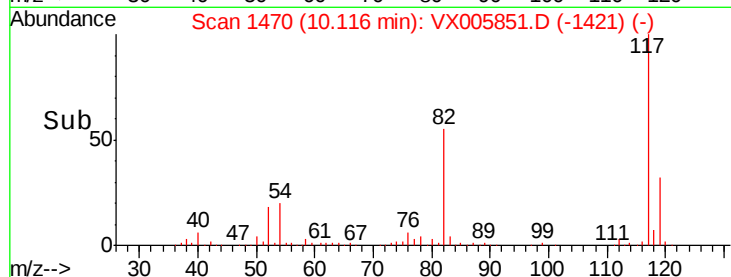
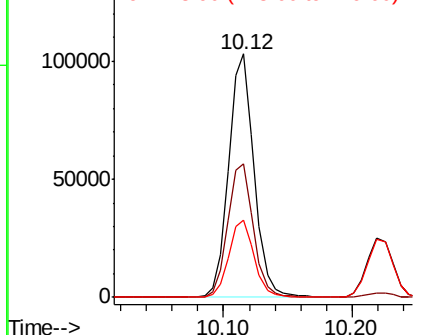


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 51.364 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.0	101.9	152.9
129	91.2	72.6	109.0
131	92.4	71.1	106.7

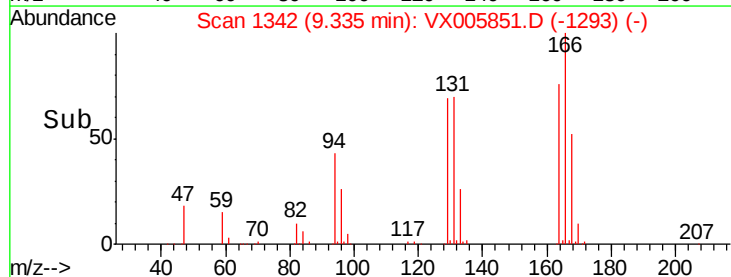
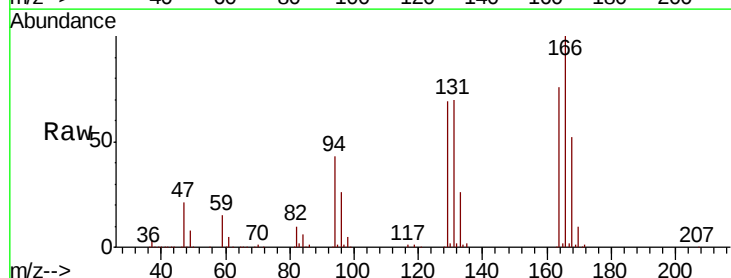
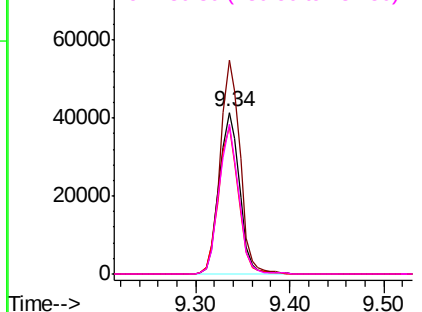
Abundance

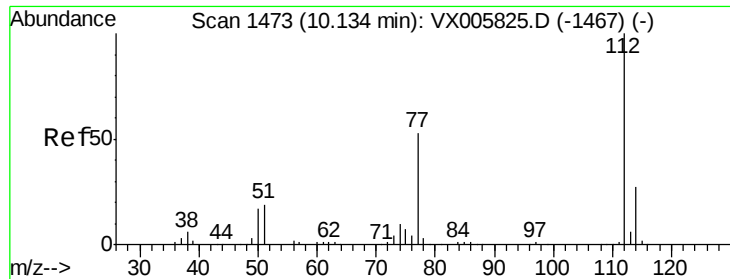
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





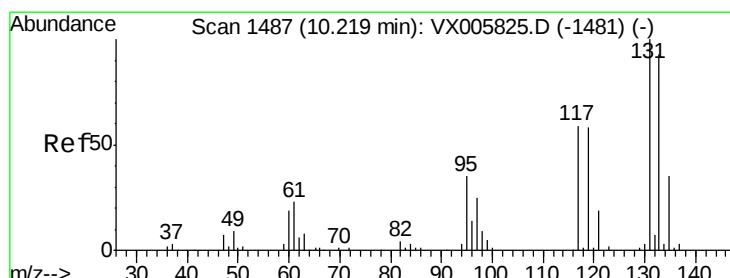
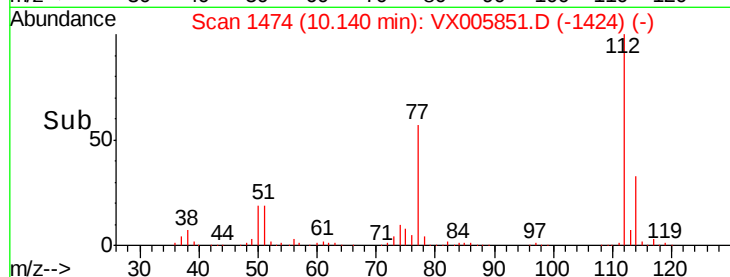
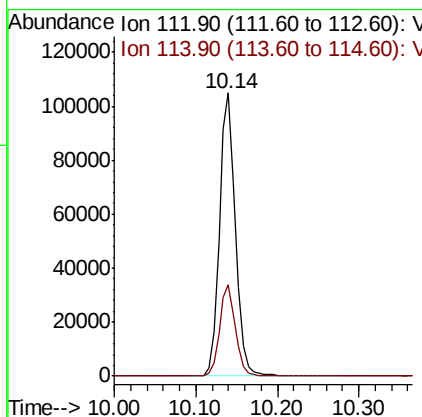
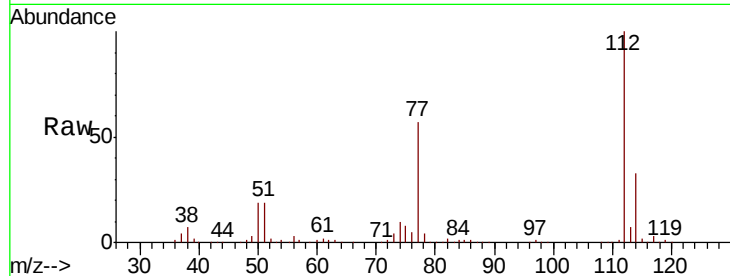
#65
Chlorobenzene
Concen: 50.194 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 143534
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6

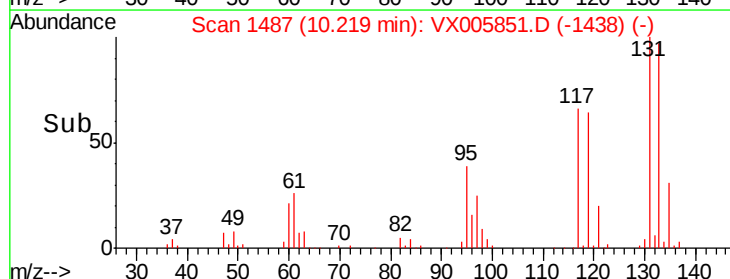
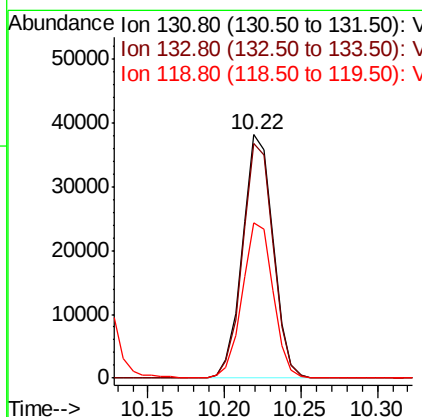
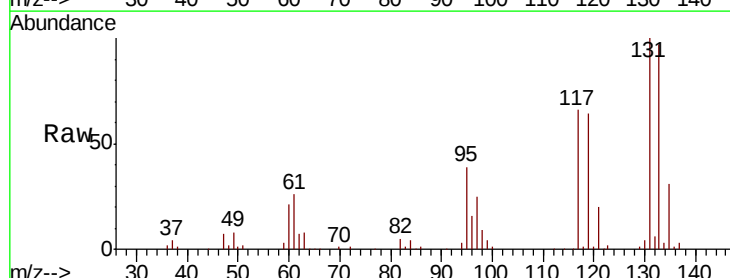
Manual Integrations
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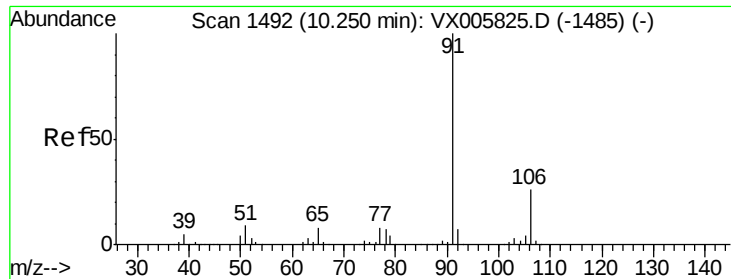
MMDadoda
11/9/2018 2:50:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.328 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion:131 Resp: 53016
Ion Ratio Lower Upper
131 100
133 96.5 47.5 142.5
119 64.4 31.8 95.3





#67

Ethyl Benzene

Concen: 55.007 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 252231

Ion Ratio Lower Upper

91 100

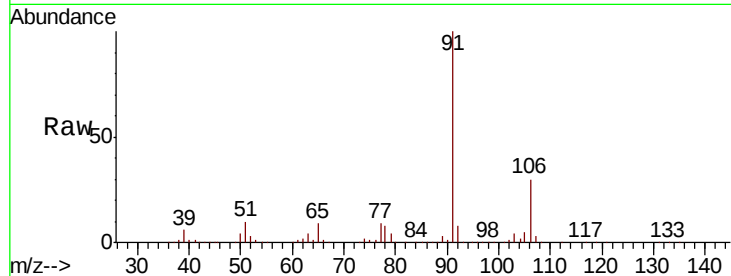
106 30.0 24.4 36.6

Manual Integrations

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MMDadoda

11/9/2018 2:50:00 PM



Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX005825.D (-1485) (-)

300000

200000

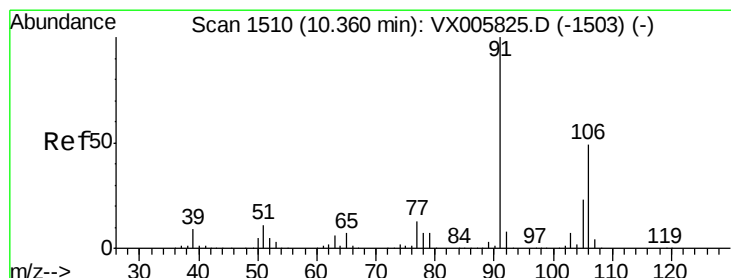
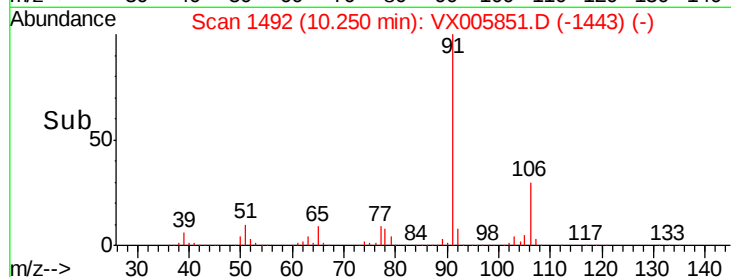
100000

0

10.25

10.30

Time-->



#68

m/p-Xylenes

Concen: 110.767 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005851.D

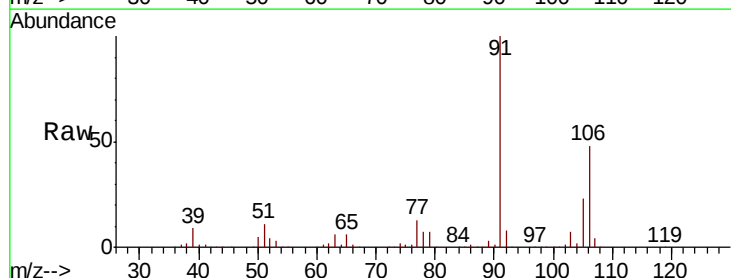
Acq: 08 Nov 2018 19:28

Tgt Ion: 106 Resp: 193737

Ion Ratio Lower Upper

106 100

91 206.8 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005825.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX005825.D (-1503) (-)

300000

200000

100000

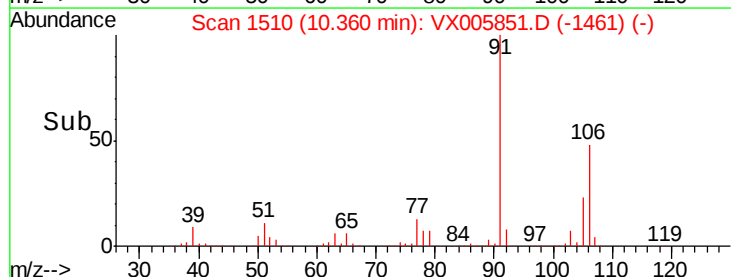
0

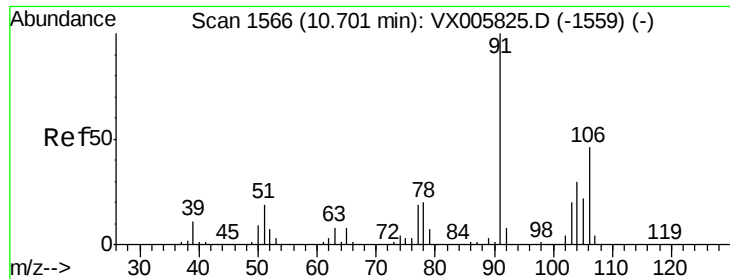
10.36

10.40

10.50

Time-->





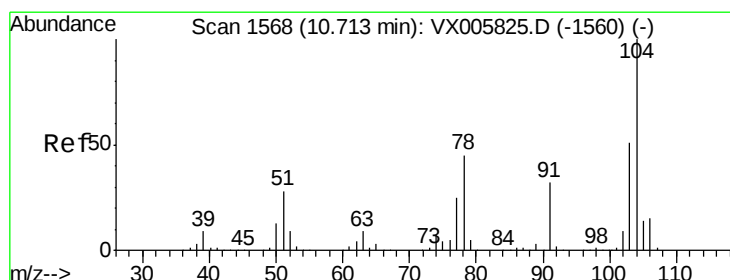
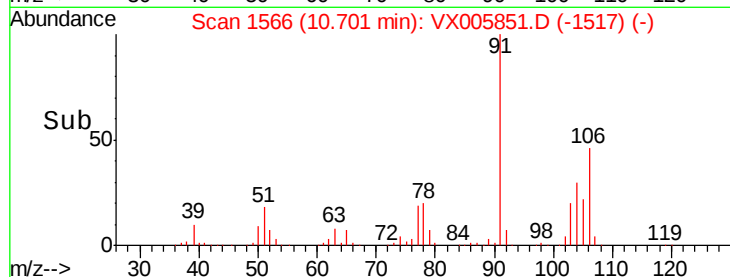
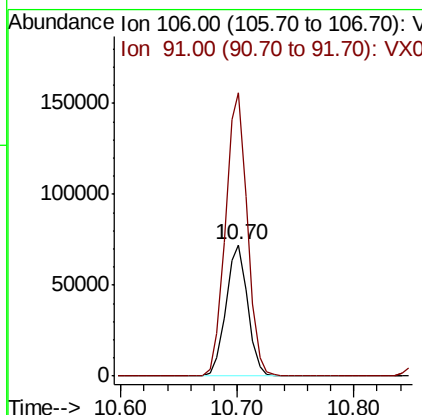
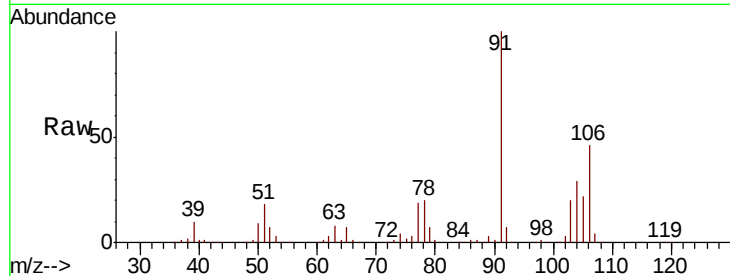
#69
o-Xylene
Concen: 59.249 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion:106 Resp: 92925
Ion Ratio Lower Upper
106 100
91 217.5 108.5 325.5

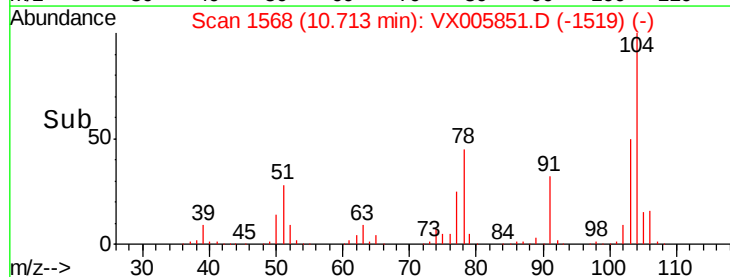
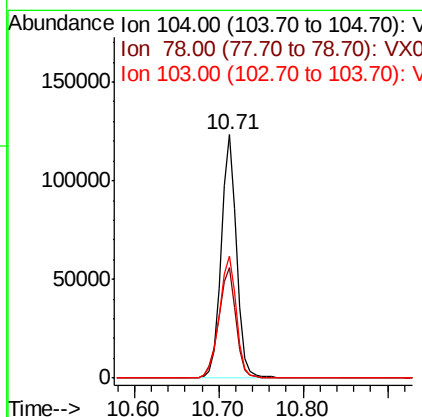
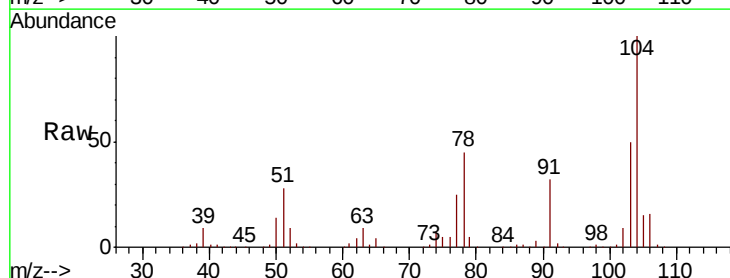
Manual Integrations
APPROVED

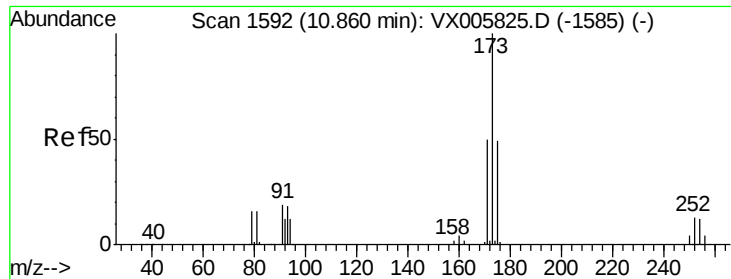
MMDadoda
11/9/2018 2:50:00 PM



#70
Styrene
Concen: 60.246 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion:104 Resp: 155870
Ion Ratio Lower Upper
104 100
78 51.1 40.2 60.4
103 55.8 44.9 67.3





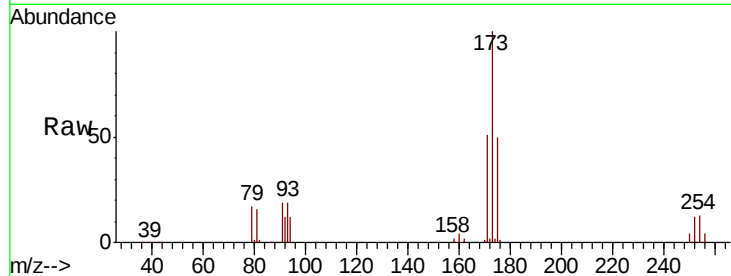
#71
Bromoform
Concen: 56.317 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.8	74.3
254	0.2	0.2	0.2

Manual Integrations
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11/9/2018 2:50:00 PM

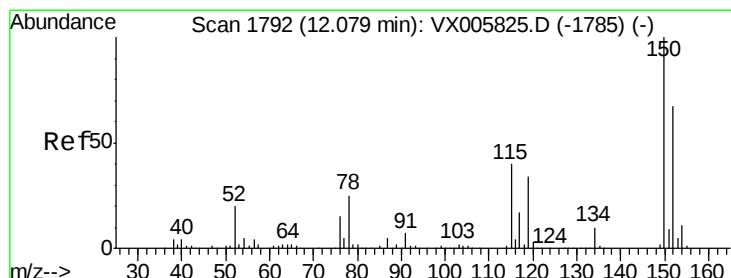
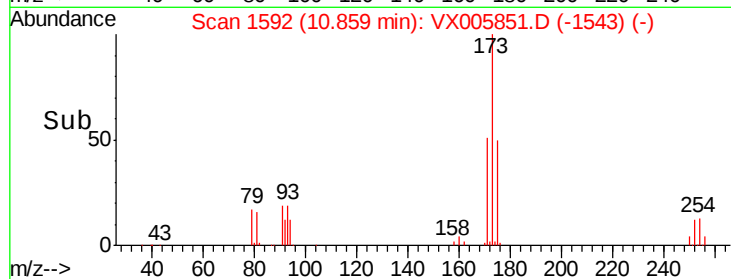
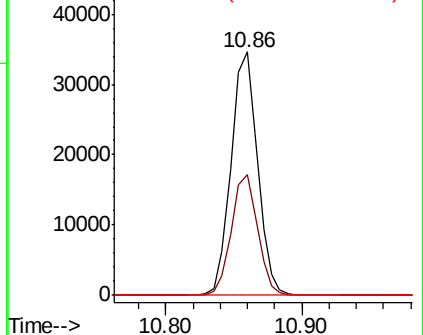


Abundance

Ion 172.70 (172.40 to 173.40): V

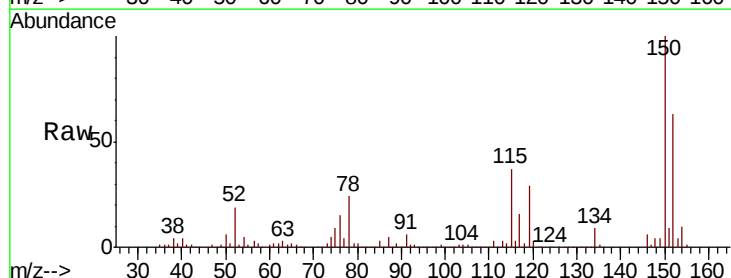
Ion 174.70 (174.40 to 175.40): V

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: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.8	39.4	118.1
150	172.8	0.0	346.4

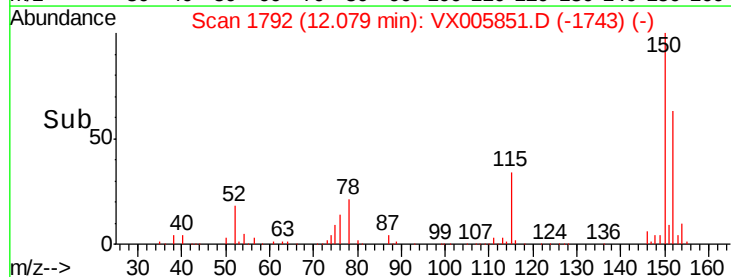
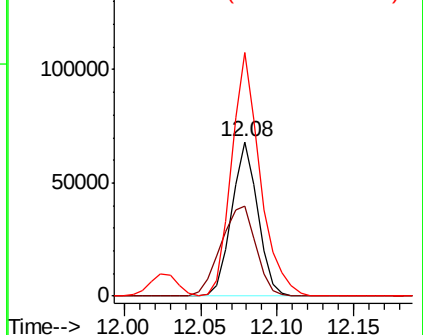


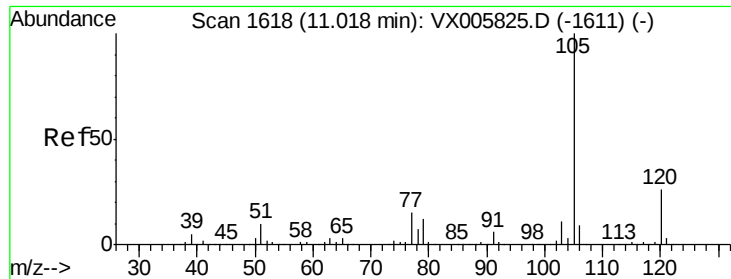
Abundance

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: 55.193 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 256349

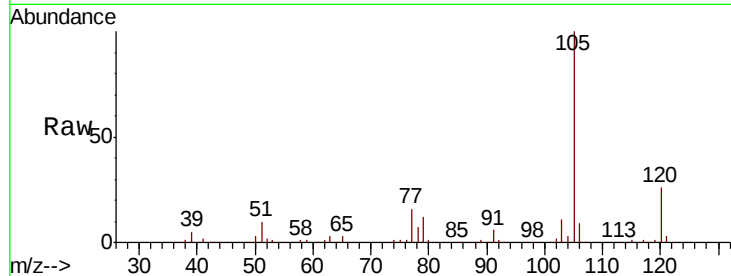
Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3

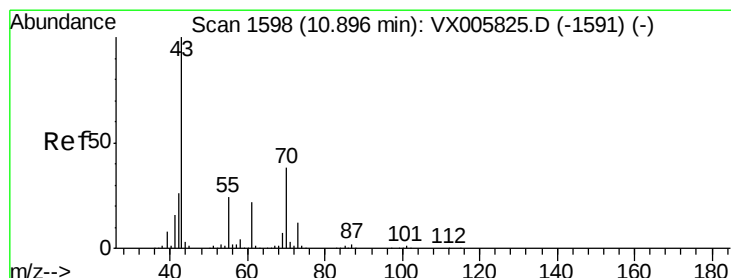
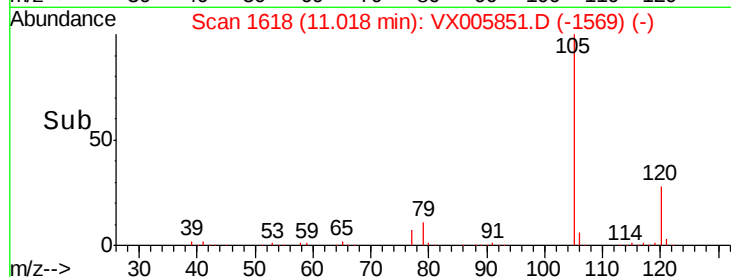
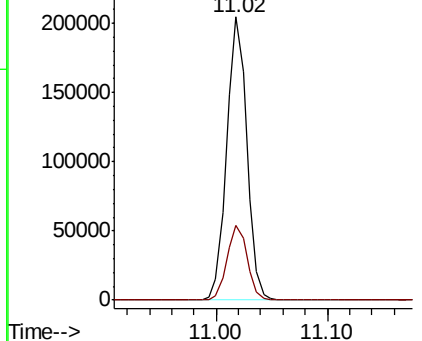
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.292 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Tgt Ion: 43 Resp: 128410

Ion Ratio Lower Upper

43 100

70 38.4 31.6 47.4

55 24.5 19.7 29.5

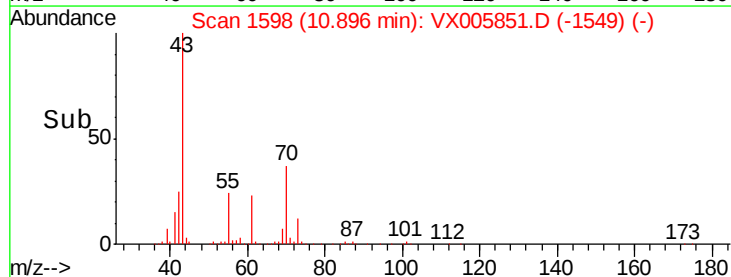
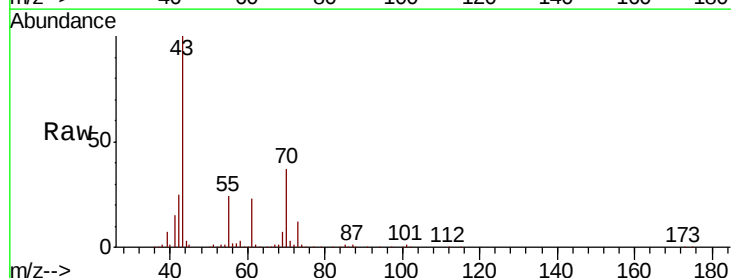
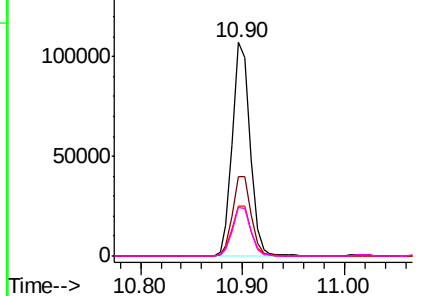
61 23.0 18.3 27.5

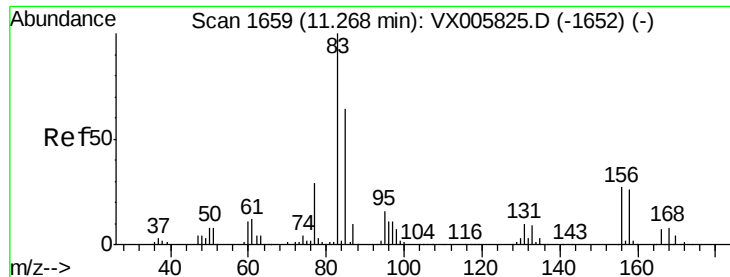
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.502 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Instrument :

MSVOA_X

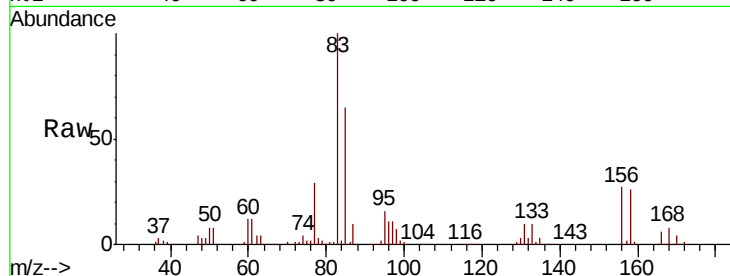
ClientSampleId :

VSTDCCC050EC

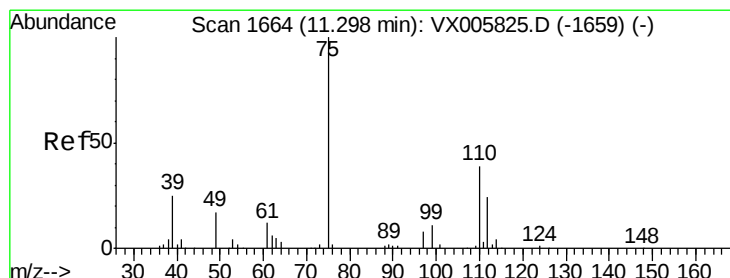
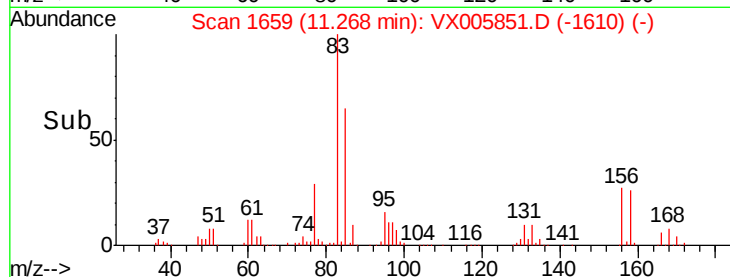
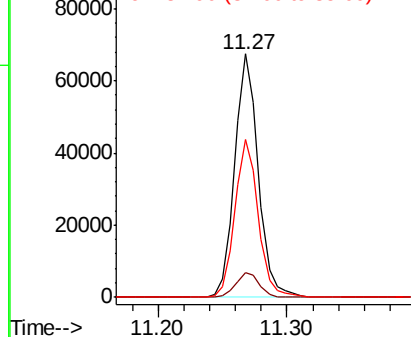
Tot Ion:	83	Resp:	86094
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.9
85	64.8	32.0	96.2

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: 51.390 ug/l m

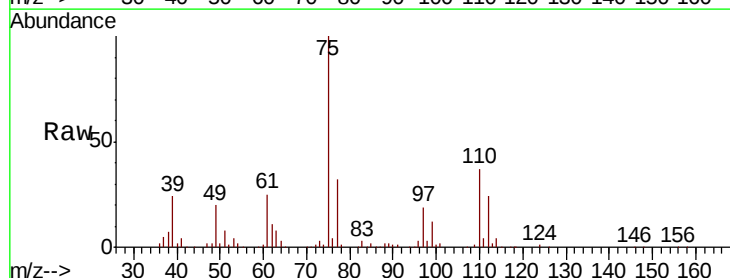
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

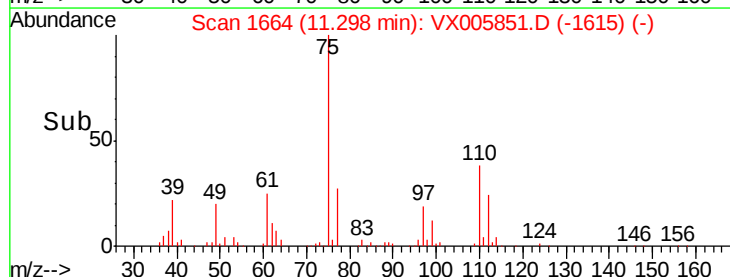
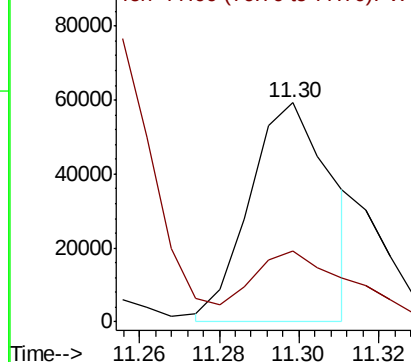
Lab File: VX005851.D

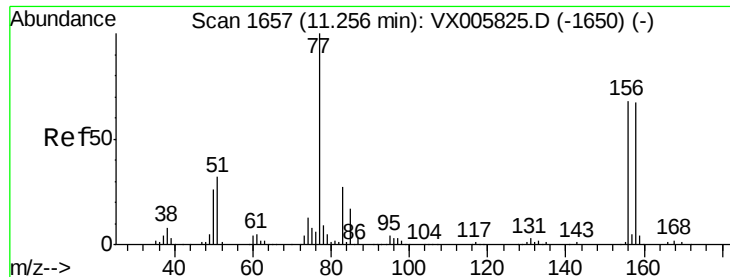
Acq: 08 Nov 2018 19:28

Tgt Ion:	75	Resp:	84044
Ion Ratio	Lower	Upper	
75	100		
77	39.4	20.5	61.6



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





#77

Bromobenzene

Concen: 51.704 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Instrument :

MSVOA_X

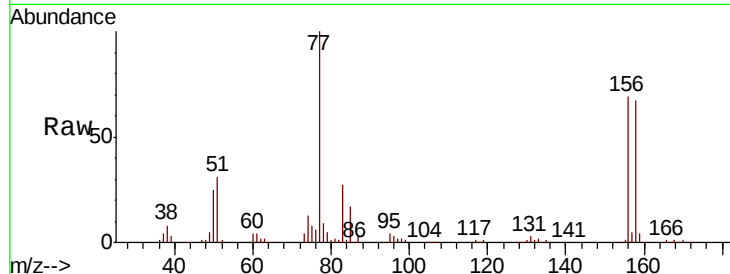
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	67687
Ion	Ratio	Lower	Upper
156	100		
77	148.4	74.8	224.4
158	96.4	49.1	147.3

Manual Integrations
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11/9/2018 2:50:00 PM

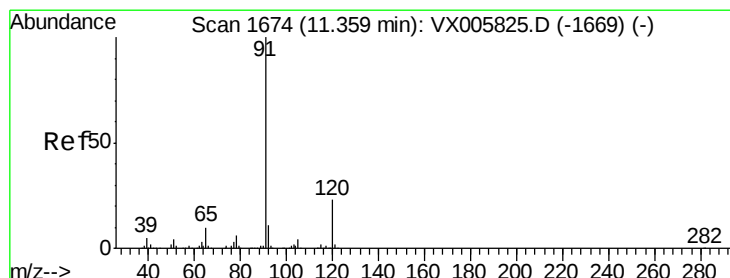
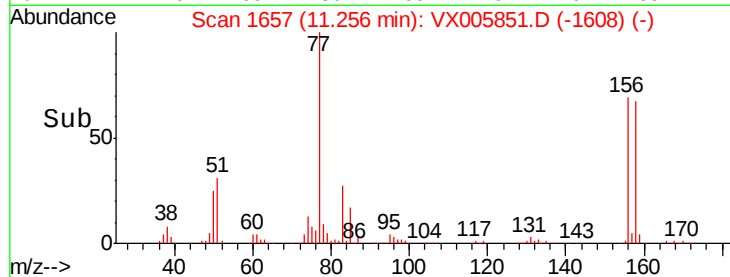
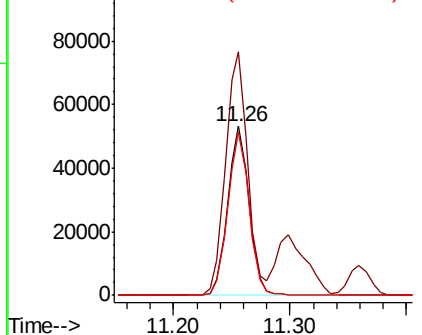


Abundance

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: 54.221 ug/l

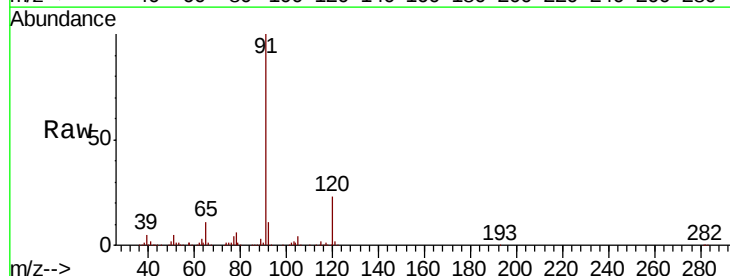
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

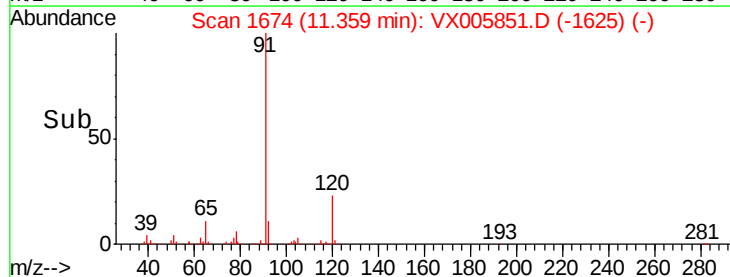
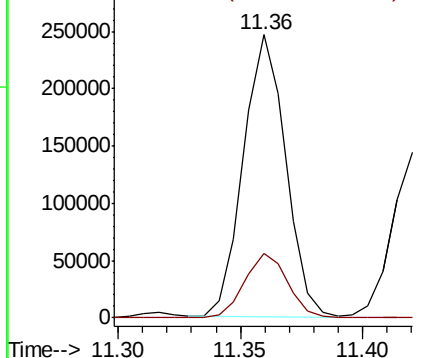
Tgt Ion:	91	Resp:	296795
Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.9	35.5

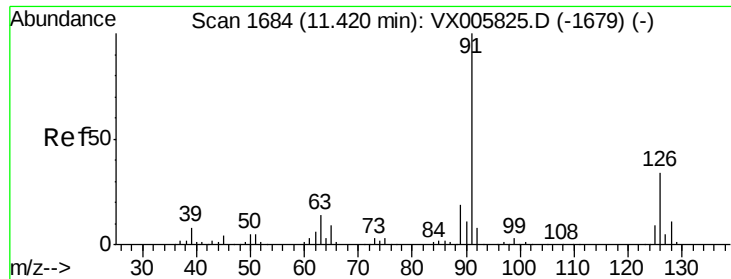


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





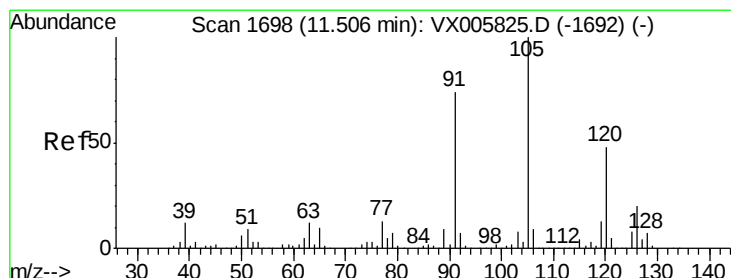
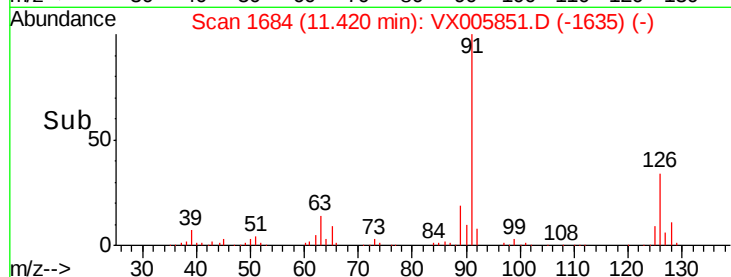
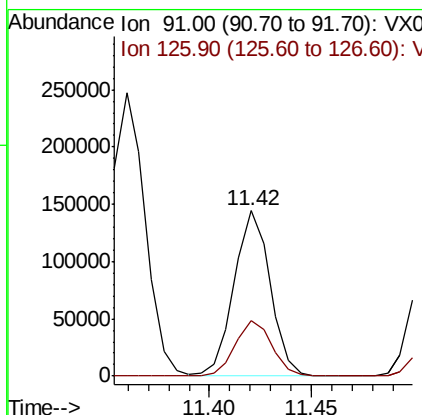
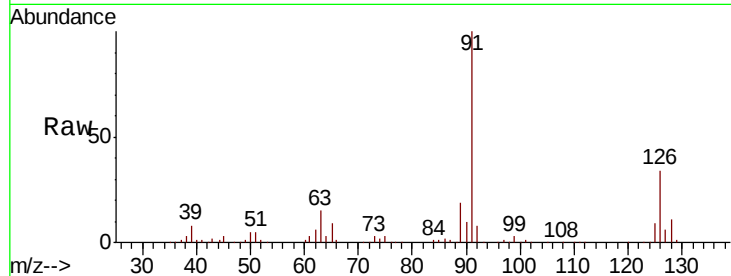
#79
 2-Chlorotoluene
 Concen: 53.096 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 175670
 Ion Ratio Lower Upper
 91 100
 126 34.3 17.3 52.0

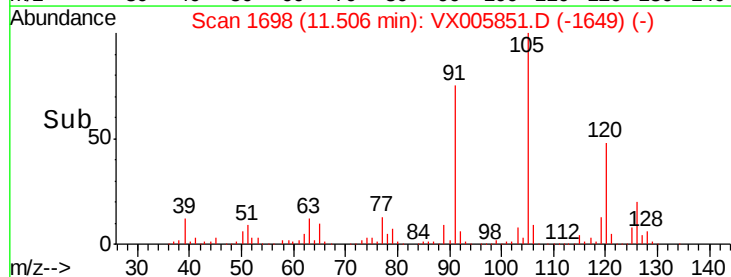
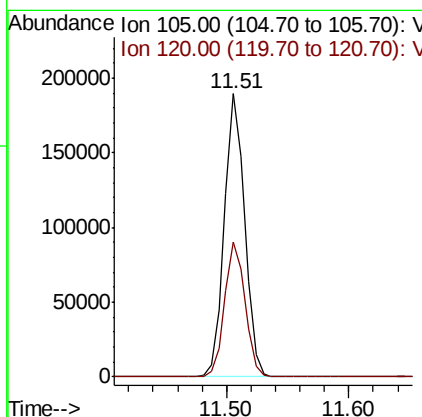
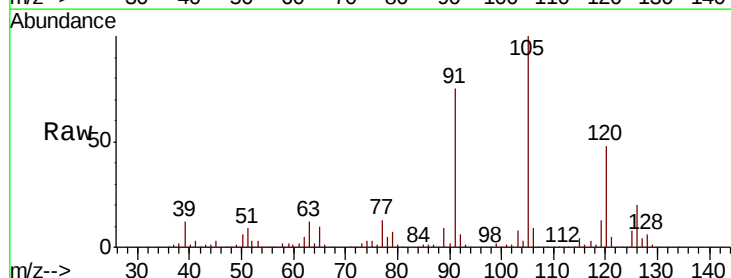
Manual Integrations
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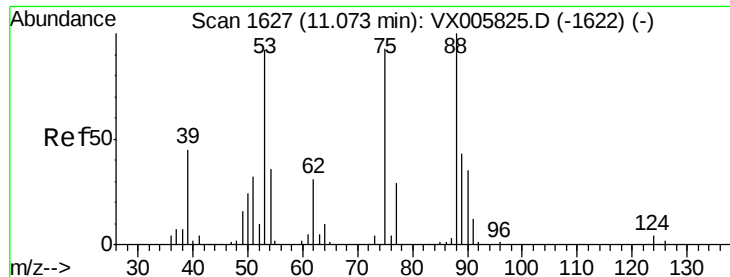
MMDadoda
 11/9/2018 2:50:00 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 55.323 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Tgt Ion: 105 Resp: 218358
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.2





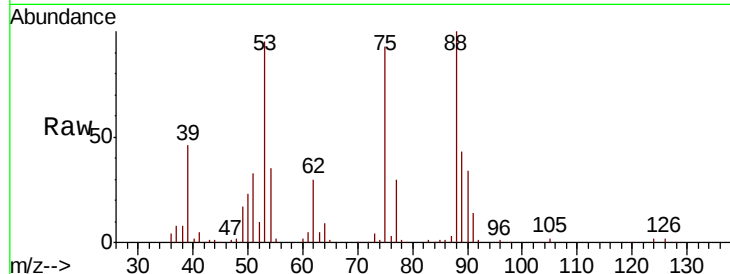
#81
trans-1,4-Dichloro-2-butene
Concen: 50.462 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

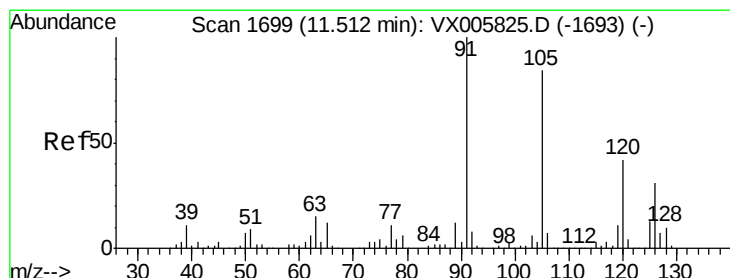
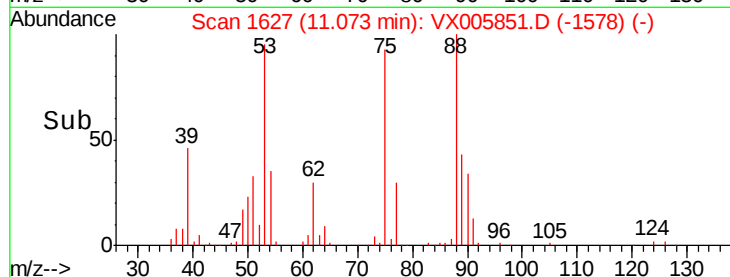
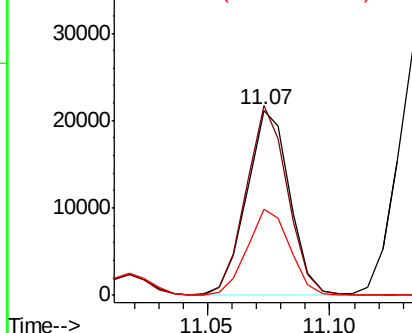
Tot Ion	Ratio	Lower	Upper
75	100		
53	99.9	80.2	120.2
89	46.5	39.8	59.8

Manual Integrations
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11/9/2018 2:50:00 PM

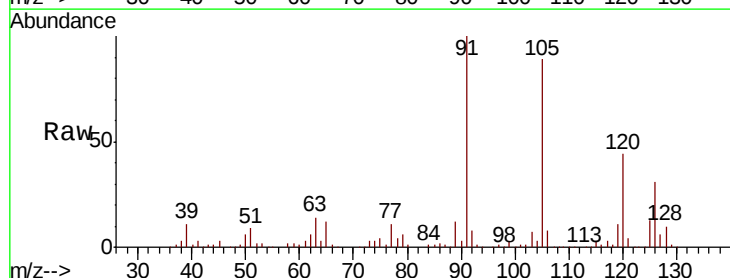


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

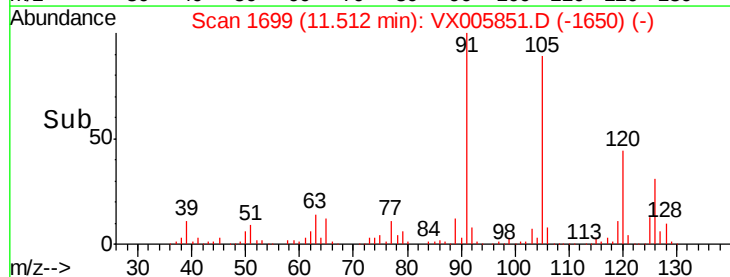
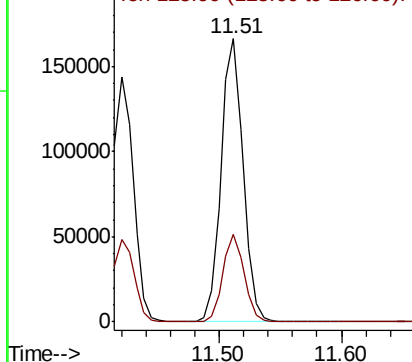


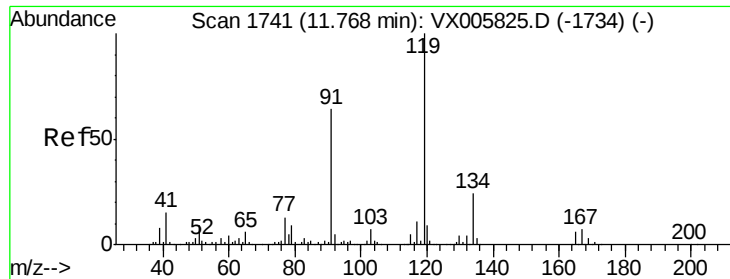
#82
4-Chlorotoluene
Concen: 53.384 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.2	45.6



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





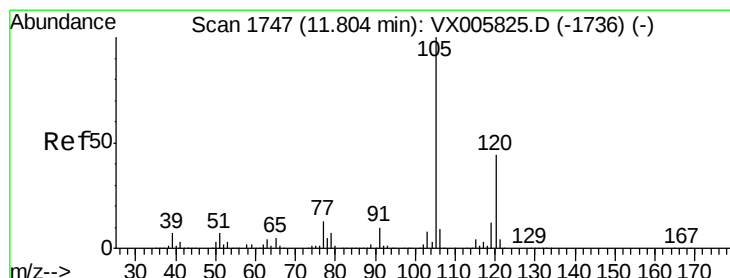
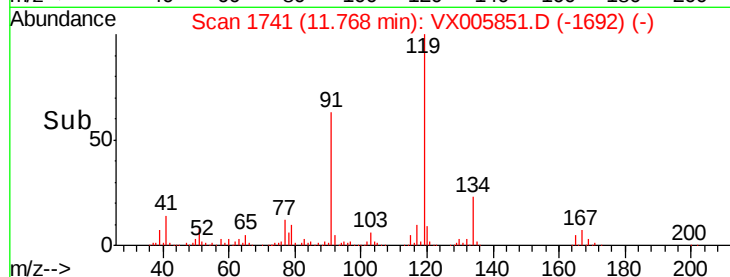
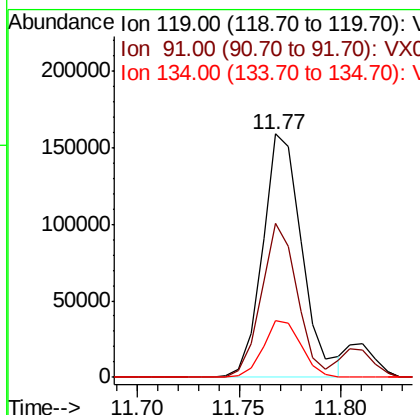
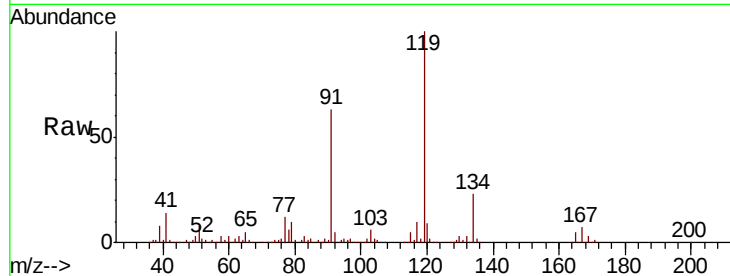
#83
tert-Butylbenzene
Concen: 53.476 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	213531		
91	57.7	28.5	85.5	
134	22.5	11.3	33.8	

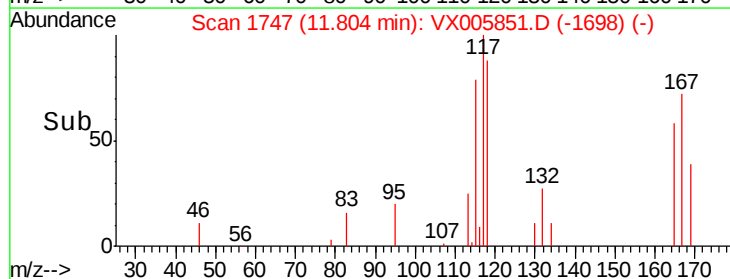
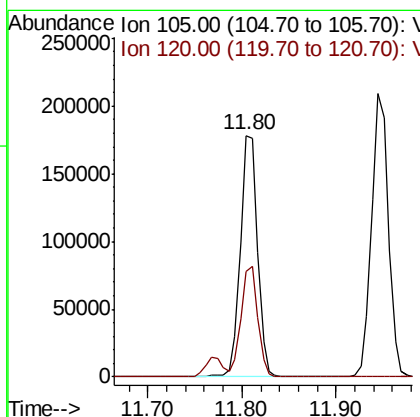
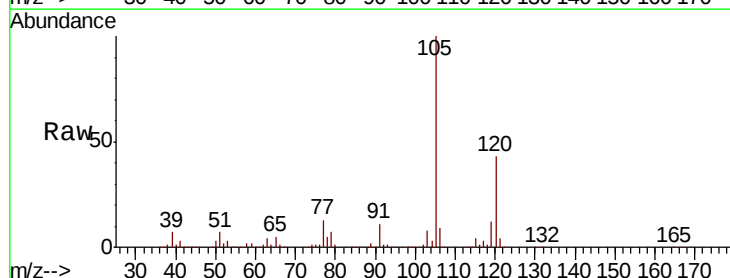
Manual Integrations
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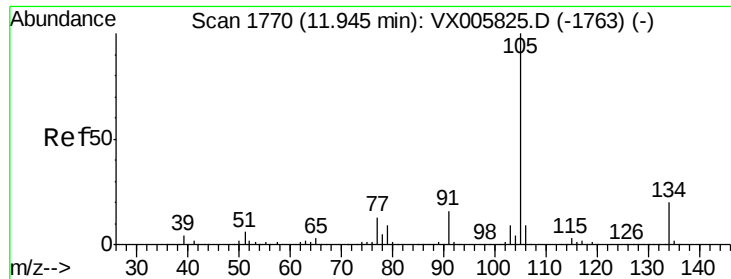
MMDadoda
11/9/2018 2:50:00 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.844 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	225800		
120	44.4	22.4	67.0	





#85

sec-Butylbenzene

Concen: 53.216 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 259844

Ion Ratio Lower Upper

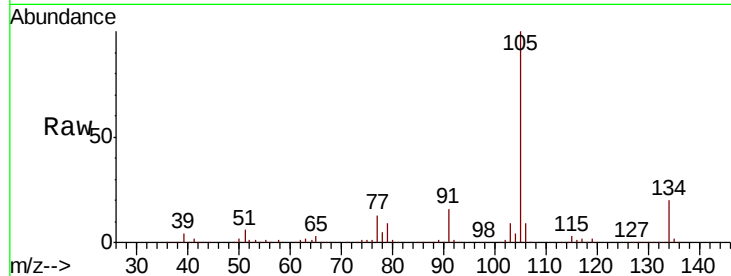
105 100

134 20.2 10.2 30.4

Manual Integrations
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11/9/2018 2:50:00 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

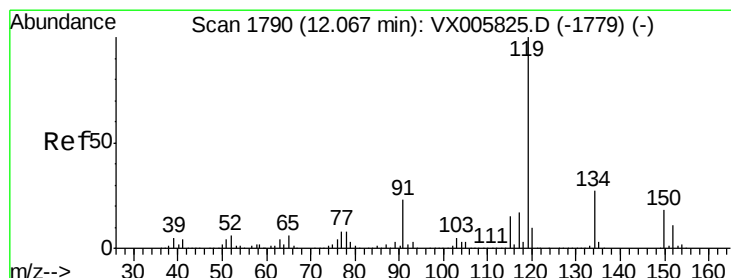
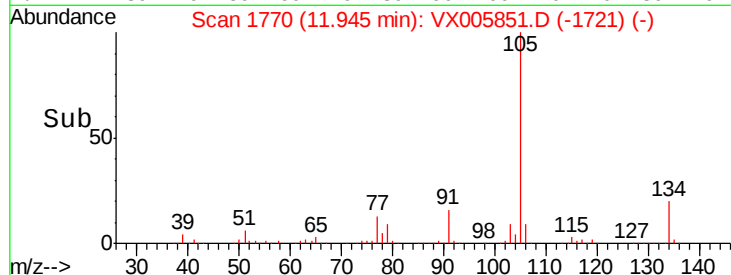
100000

50000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 54.082 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

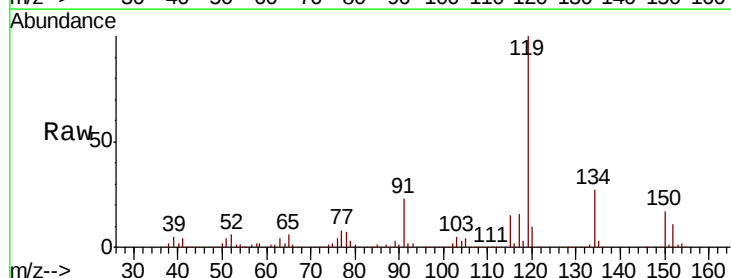
Tgt Ion:119 Resp: 233910

Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

91 23.5 11.4 34.2



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

250000

200000

150000

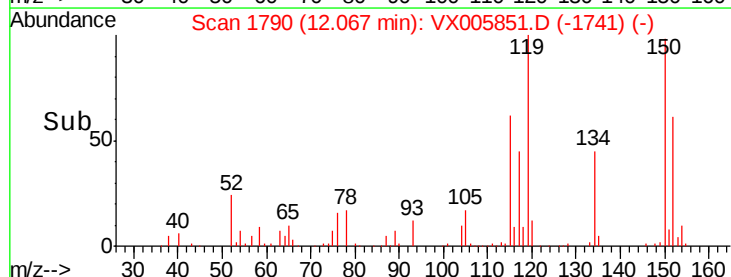
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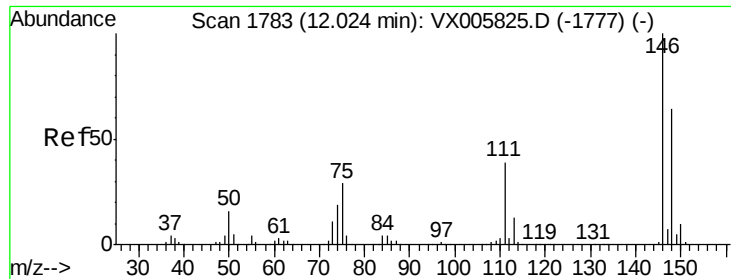
50000

0

12.00 12.10

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.495 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Instrument :

MSVOA_X

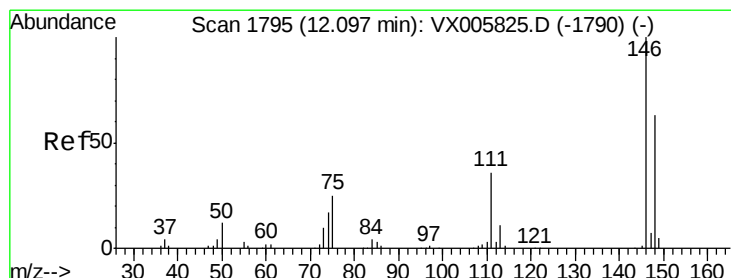
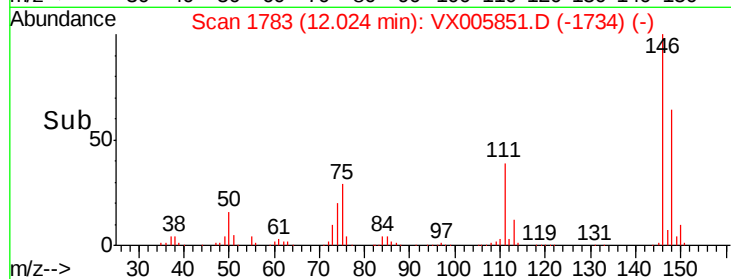
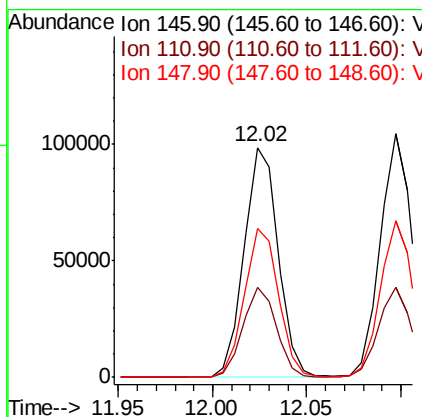
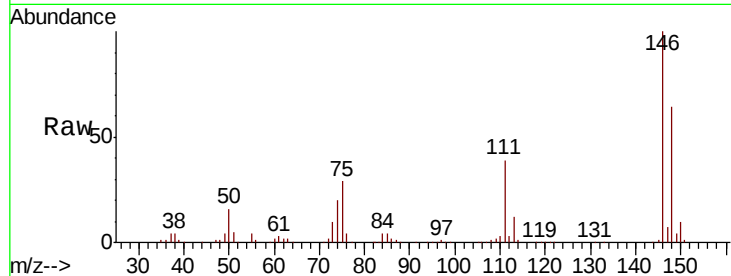
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	124352
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.0	57.0
148	64.9	31.9	95.9

Manual Integrations
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11/9/2018 2:50:00 PM



#88

1,4-Dichlorobenzene

Concen: 49.036 ug/l

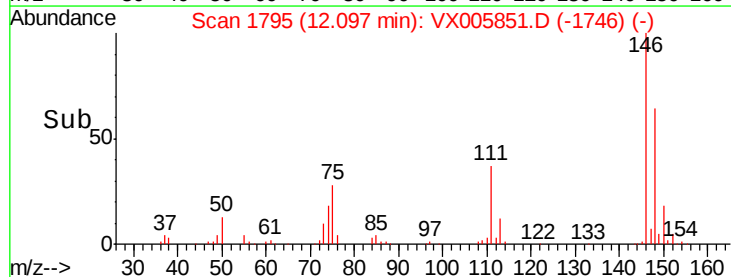
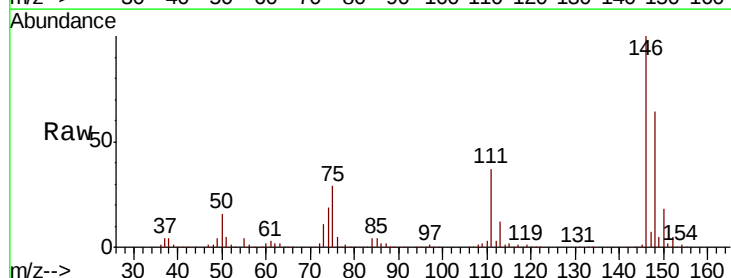
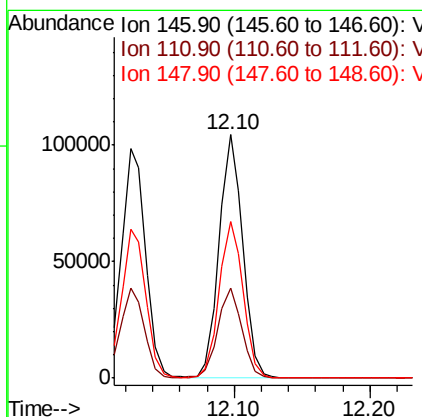
RT: 12.10 min Scan# 1795

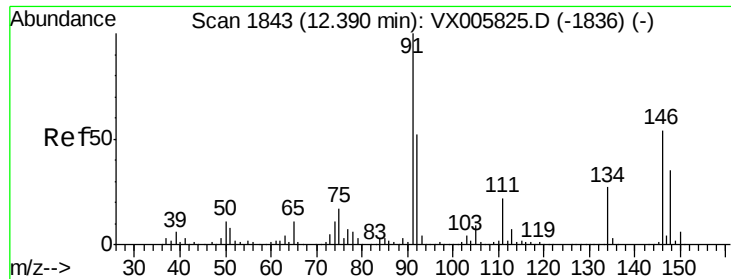
Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Tgt Ion:	146	Resp:	126118
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.6	55.8
148	65.0	32.1	96.3





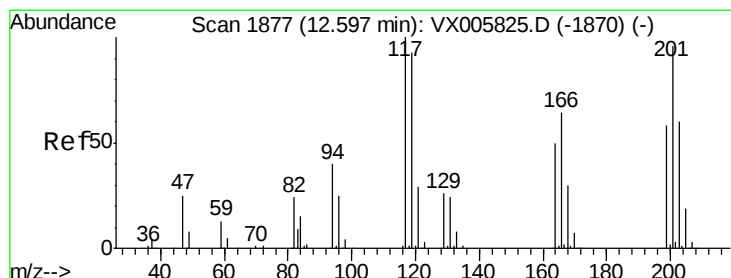
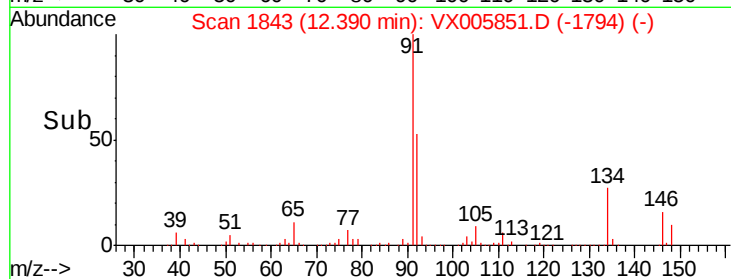
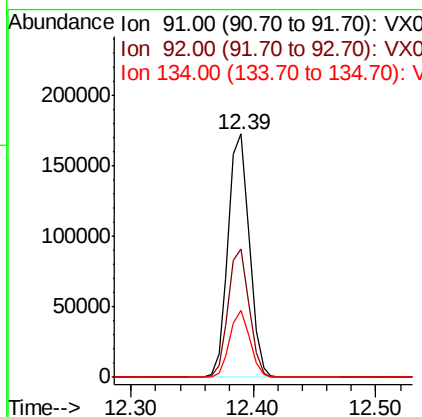
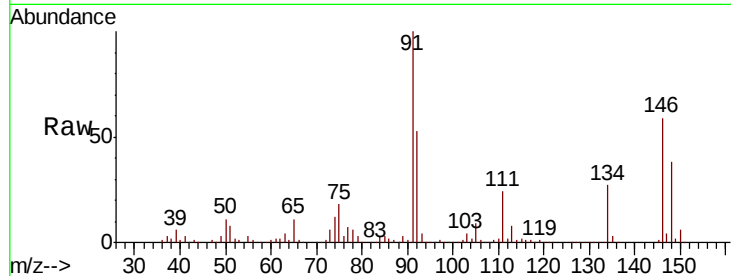
#89
n-Butylbenzene
Concen: 51.679 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	26.1	13.1	39.3

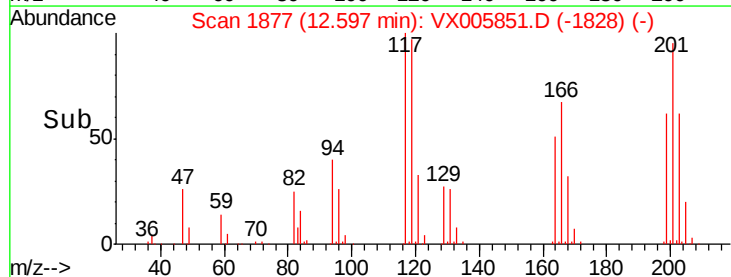
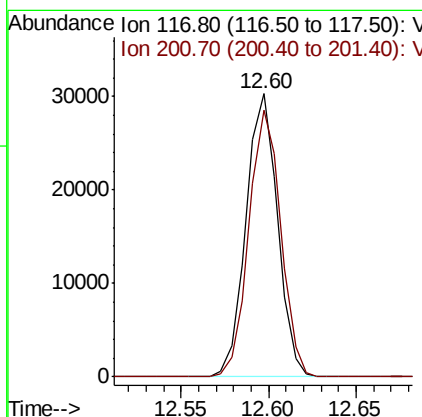
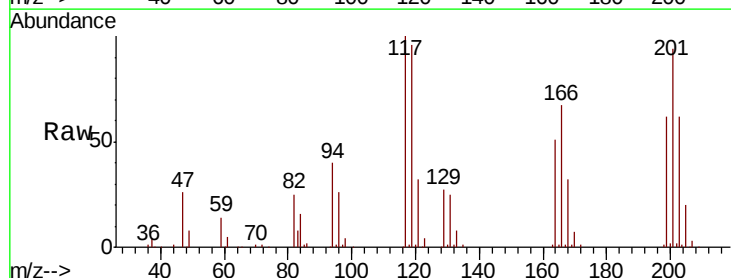
Manual Integrations
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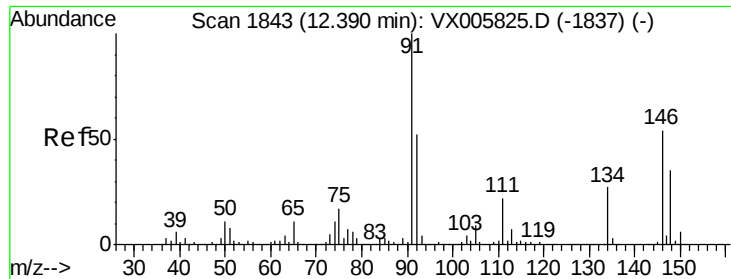
MMDadoda
11/9/2018 2:50:00 PM



#90
Hexachloroethane
Concen: 52.696 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.3	47.9	143.6





#91

1,2-Dichlorobenzene

Concen: 50.304 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Instrument :

MSVOA_X

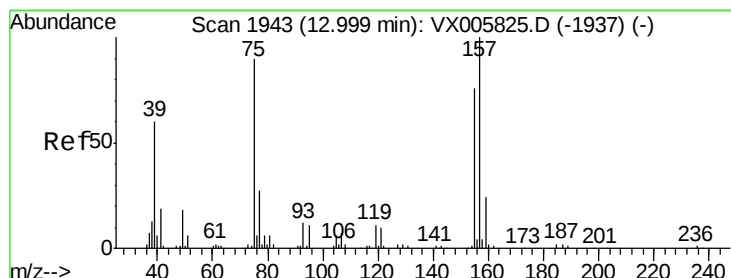
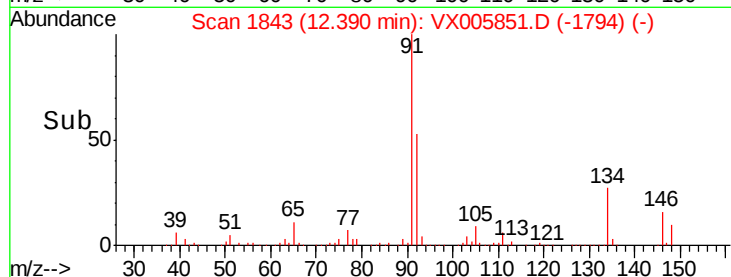
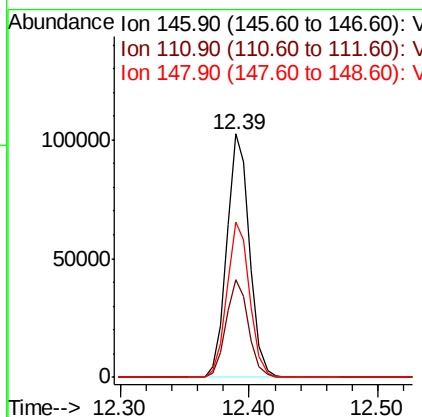
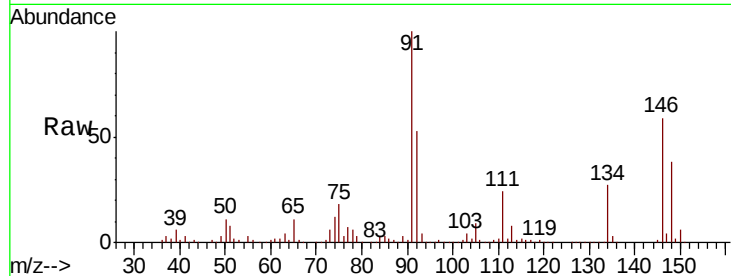
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	126607
Ion Ratio	Lower	Upper	
146	100		
111	39.6	20.0	59.9
148	64.0	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.340 ug/l

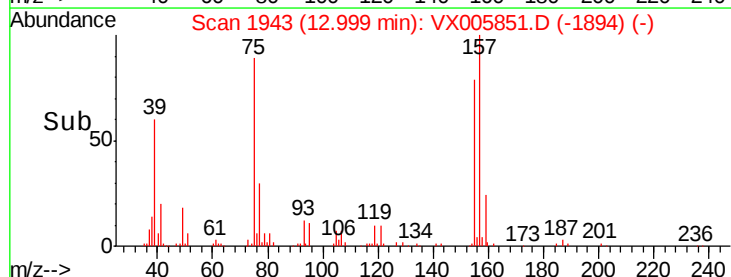
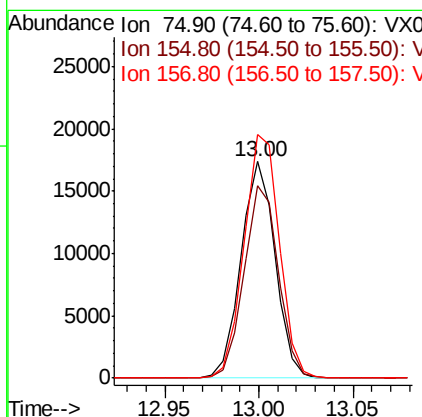
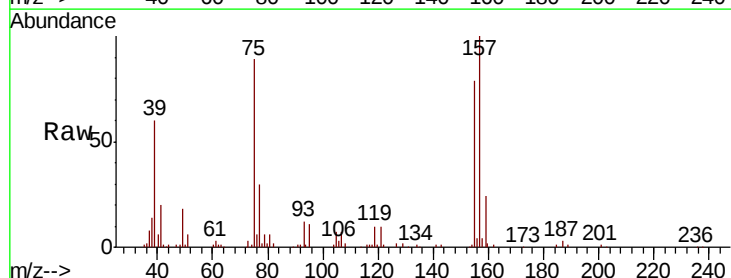
RT: 13.00 min Scan# 1943

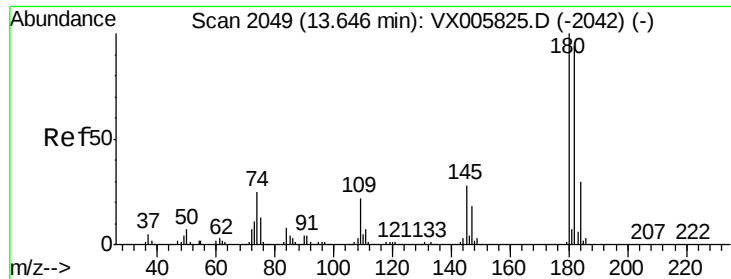
Delta R.T. -0.00 min

Lab File: VX005851.D

Acq: 08 Nov 2018 19:28

Tgt Ion:	75	Resp:	21774
Ion Ratio	Lower	Upper	
75	100		
155	89.6	45.4	136.1
157	116.7	57.4	172.0





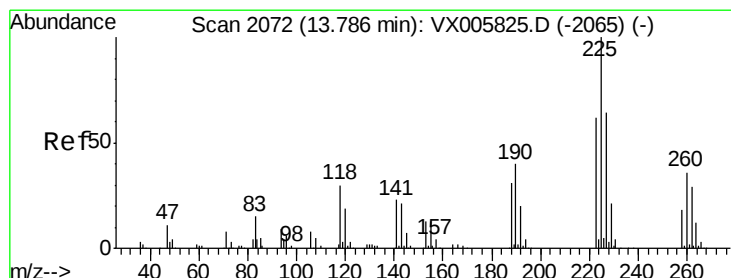
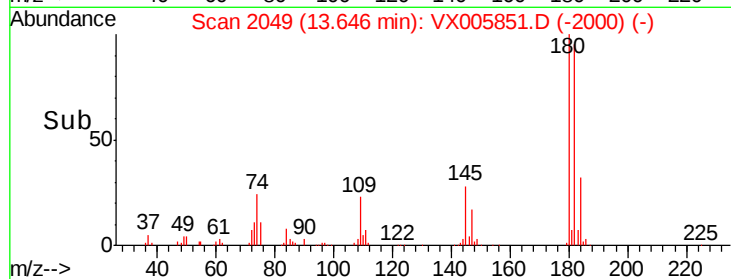
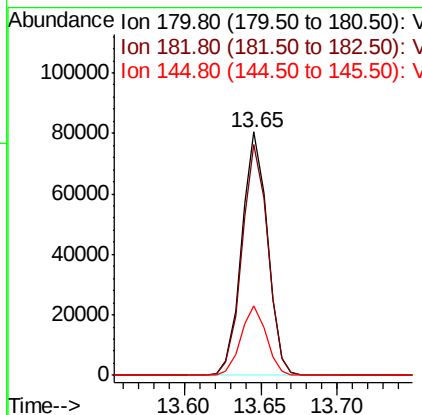
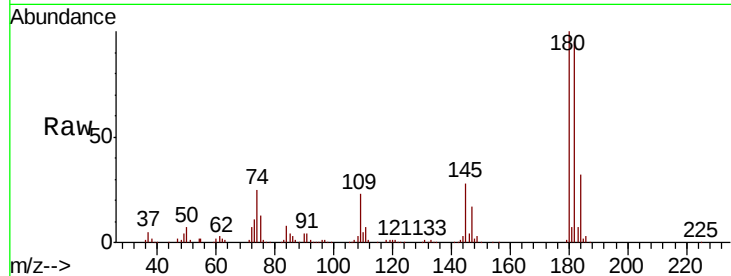
#93
 1,2,4-Trichlorobenzene
 Concen: 52.999 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.8
145	28.1	14.1	42.2

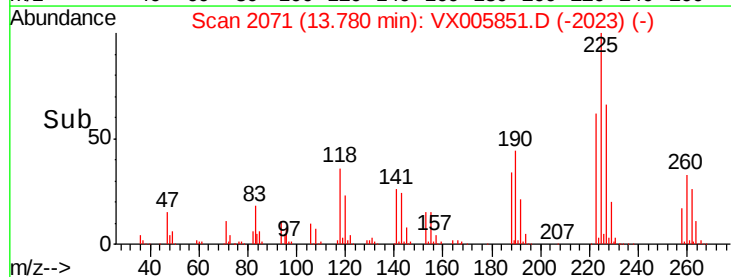
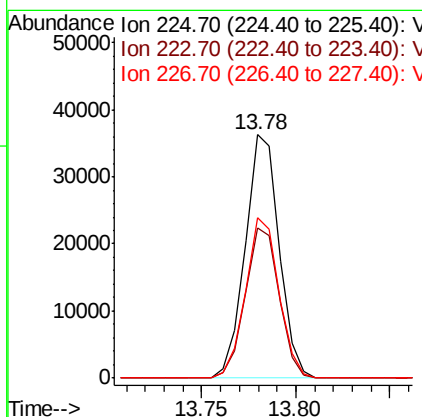
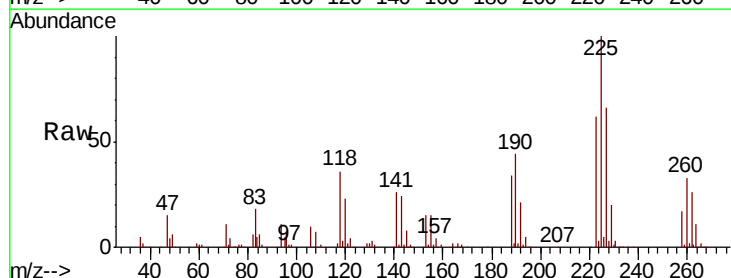
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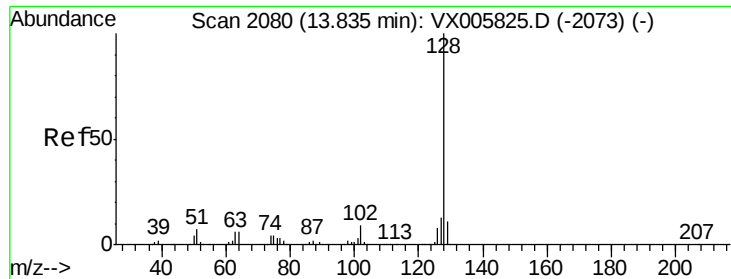
MMDadoda
 11/9/2018 2:50:00 PM



#94
 Hexachlorobutadiene
 Concen: 48.697 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005851.D
 Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.7	95.1
227	64.7	32.3	96.9





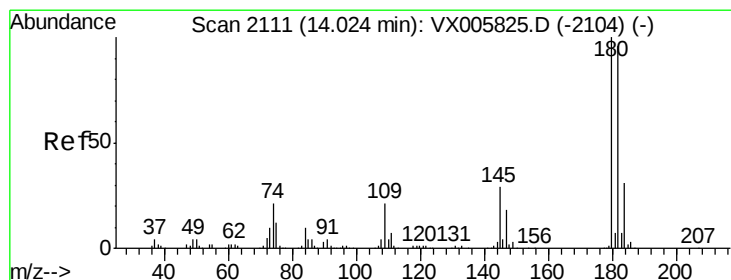
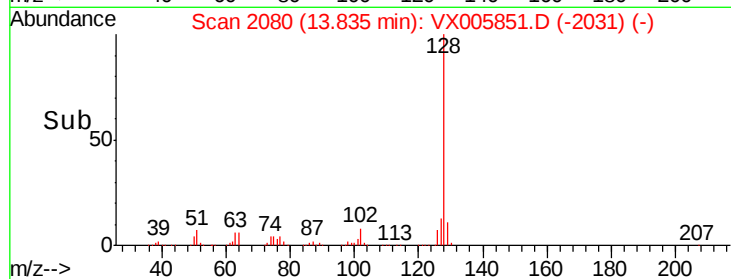
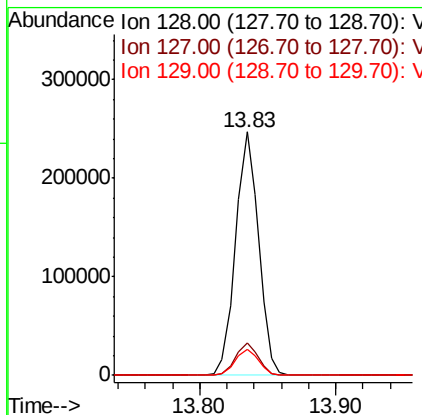
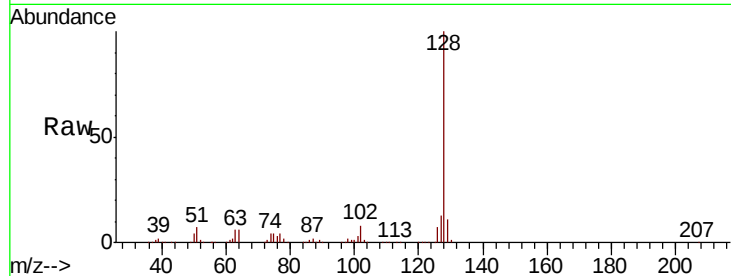
#95
Naphthalene
Concen: 50.385 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.116 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005851.D
Acq: 08 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.2
145	29.9	15.1	45.3

