

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101719\
 Data File : VX013099.D
 Acq On : 17 Oct 2019 11:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 10:05:42 AM

Quant Time: Oct 18 08:30:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:26:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	177100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282953	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122426	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	104666	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
35) Dibromofluoromethane	5.48	113	86063	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
50) Toluene-d8	8.71	98	321261	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.13	95	129878	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	83520	46.266	ug/l	100
3) Chloromethane	1.32	50	85055	43.293	ug/l	97
4) Vinyl Chloride	1.40	62	89650	44.210	ug/l	98
5) Bromomethane	1.63	94	38997	46.263	ug/l	100
6) Chloroethane	1.71	64	57381	46.352	ug/l	100
7) Trichlorofluoromethane	1.92	101	140568	51.359	ug/l	99
8) Diethyl Ether	2.18	74	53302	48.248	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	93105	52.562	ug/l	98
10) Methyl Iodide	2.50	142	105356	52.247	ug/l	99
11) Tert butyl alcohol	3.04	59	119977	204.465	ug/l	98
12) 1,1-Dichloroethene	2.36	96	85791	47.936	ug/l	95
13) Acrolein	2.28	56	94280	226.090	ug/l	100
14) Allyl chloride	2.72	41	148986	46.746	ug/l	98
15) Acrylonitrile	3.13	53	260594	234.347	ug/l	99
16) Acetone	2.44	43	282354	242.001	ug/l	100
17) Carbon Disulfide	2.56	76	211175	41.382	ug/l	99
18) Methyl Acetate	2.76	43	126016	45.567	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	319325	51.667	ug/l	97
20) Methylene Chloride	2.84	84	101536	47.353	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	93178	48.575	ug/l	97
22) Diisopropyl ether	3.84	45	301032	49.291	ug/l	95
23) Vinyl Acetate	3.80	43	1297909	246.180	ug/l	100
24) 1,1-Dichloroethane	3.69	63	171883	50.027	ug/l	99
25) 2-Butanone	4.65	43	378700	233.953	ug/l	99
26) 2,2-Dichloropropane	4.57	77	155115	53.688	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	111061	50.229	ug/l	98
28) Bromochloromethane	5.00	49	49308	48.004	ug/l	96
29) Tetrahydrofuran	5.11	42	220830	221.696	ug/l	97
30) Chloroform	5.20	83	177923	50.469	ug/l	97
31) Cyclohexane	5.57	56	150882	46.964	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	157822	52.835	ug/l	99
36) 1,1-Dichloropropene	5.79	75	131860	53.004	ug/l	99
37) Ethyl Acetate	4.82	43	132675	47.694	ug/l	99
38) Carbon Tetrachloride	5.77	117	134819	55.678	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	164553	54.543	ug/l	99
40) Benzene	6.13	78	394125	53.640	ug/l	99
41) Methacrylonitrile	5.03	41	76427	50.000	ug/l	99
42) 1,2-Dichloroethane	6.18	62	142114	53.902	ug/l	100
43) Isopropyl Acetate	6.43	43	228697	51.222	ug/l	99
44) Trichloroethene	7.20	130	106280	52.162	ug/l	95
45) 1,2-Dichloropropane	7.50	63	101177	54.029	ug/l	99
46) Dibromomethane	7.65	93	67962	54.471	ug/l	97
47) Bromodichloromethane	7.89	83	141643	58.173	ug/l	97
48) Methyl methacrylate	7.76	41	110643	50.853	ug/l	99
49) 1,4-Dioxane	7.73	88	51093	879.447	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	697929	250.718	ug/l	98
52) Toluene	8.78	92	253531	53.935	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	154897	50.934	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	169639	56.647	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	105102	56.499	ug/l	98
56) Ethyl methacrylate	9.17	69	166118	49.873	ug/l	98
57) 1,3-Dichloropropane	9.36	76	172670	53.659	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	351776	257.413	ug/l	98
59) 2-Hexanone	9.48	43	553901	255.613	ug/l	99
60) Dibromochloromethane	9.57	129	109567	52.818	ug/l	99
61) 1,2-Dibromoethane	9.67	107	106682	54.516	ug/l	100
64) Tetrachloroethene	9.33	164	102795	58.057	ug/l	95
65) Chlorobenzene	10.13	112	274524	54.153	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	103789	59.049	ug/l	99
67) Ethyl Benzene	10.25	91	498336	55.342	ug/l	98
68) m/p-Xylenes	10.36	106	372703	110.792	ug/l	100
69) o-Xylene	10.70	106	182641	55.675	ug/l	98
70) Styrene	10.71	104	318834	57.171	ug/l	100
71) Bromoform	10.85	173	76813	51.218	ug/l #	100
73) Isopropylbenzene	11.01	105	497439	55.265	ug/l	99
74) N-amyl acetate	10.89	43	201161	51.892	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	158564	52.965	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	129197m	47.579	ug/l	
77) Bromobenzene	11.25	156	116151	54.761	ug/l	100
78) n-propylbenzene	11.35	91	529302	53.441	ug/l	99
79) 2-Chlorotoluene	11.42	91	324385	52.113	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	415711	55.311	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	52889	50.079	ug/l	98
82) 4-Chlorotoluene	11.51	91	382545	53.618	ug/l	99
83) tert-Butylbenzene	11.76	119	412383	56.247	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	414332	54.432	ug/l	97
85) sec-Butylbenzene	11.94	105	474725	55.889	ug/l	100
86) p-Isopropyltoluene	12.06	119	451745	57.345	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	206077	52.319	ug/l	96
88) 1,4-Dichlorobenzene	12.09	146	210947	52.881	ug/l	99
89) n-Butylbenzene	12.39	91	380725	57.504	ug/l	99
90) Hexachloroethane	12.59	117	73878	50.607	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	210183	54.431	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	34452	49.099	ug/l	100

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ClientSampleId :
VSTDCCC050

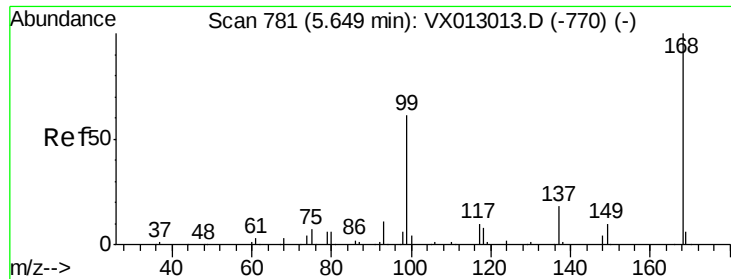
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
QLast Update : Wed Oct 16 07:26:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	131313	54.286	ug/l	98
94) Hexachlorobutadiene	13.78	225	65755	58.903	ug/l	99
95) Naphthalene	13.83	128	418662	49.929	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	130473	52.196	ug/l	98

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



#1

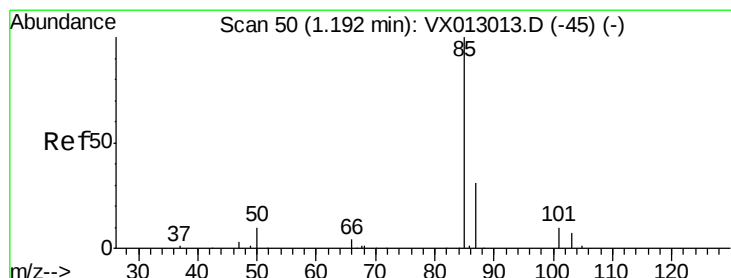
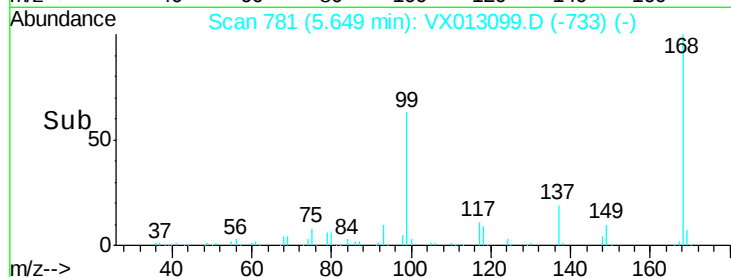
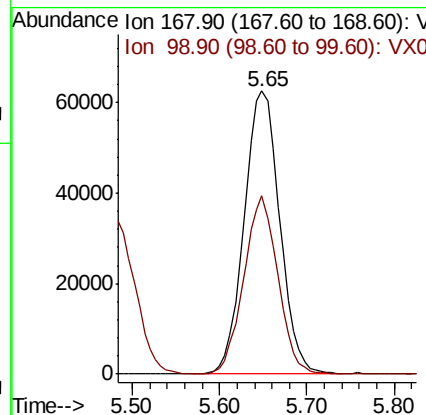
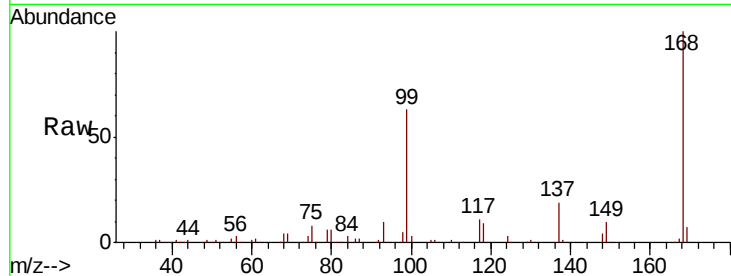
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	63.0	49.4	74.0

Manual Integrations
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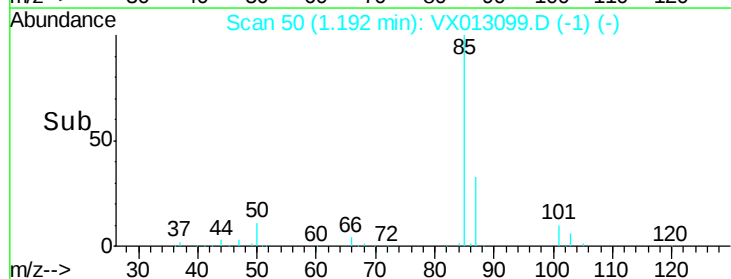
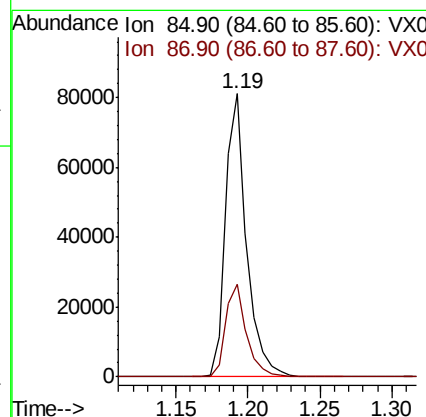
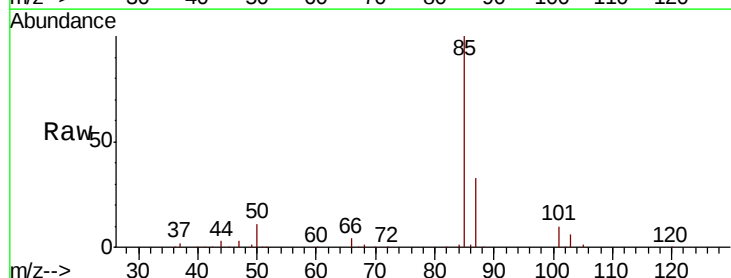
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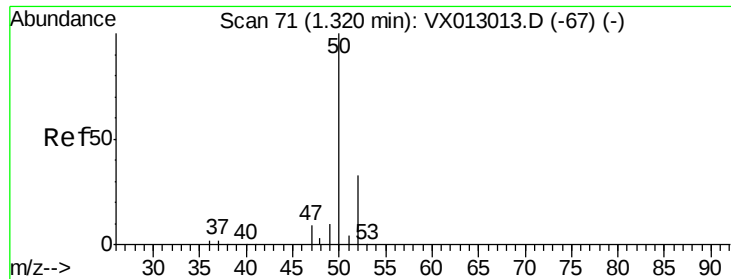


#2

Dichlorodifluoromethane
 Concen: 46.266 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.4	49.4





#3

Chloromethane

Concen: 43.293 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 85055

Ion Ratio Lower Upper

50 100

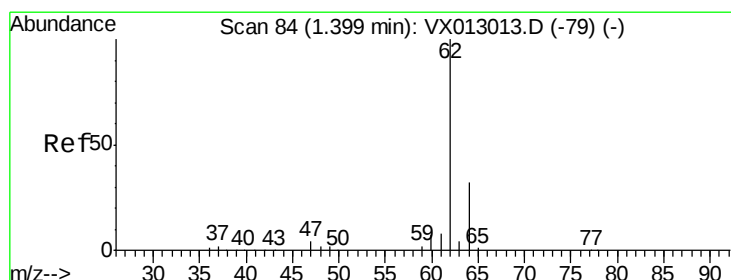
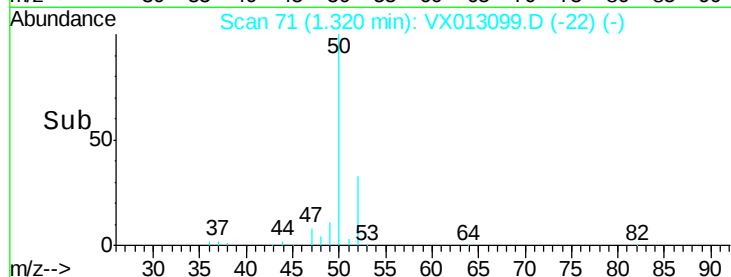
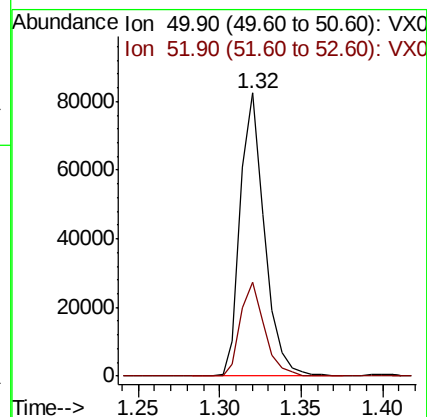
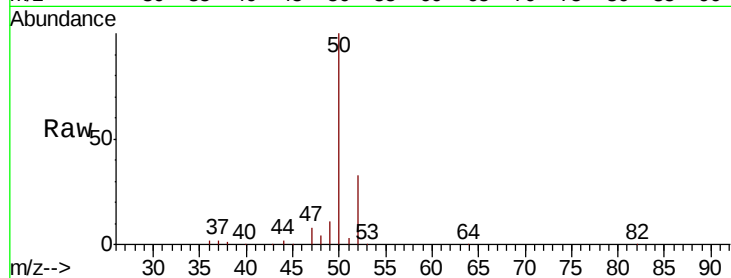
52 33.1 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.210 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013099.D

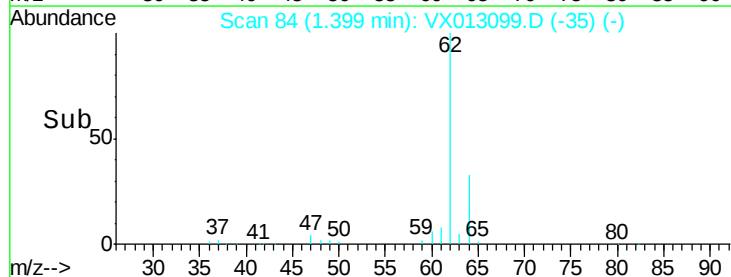
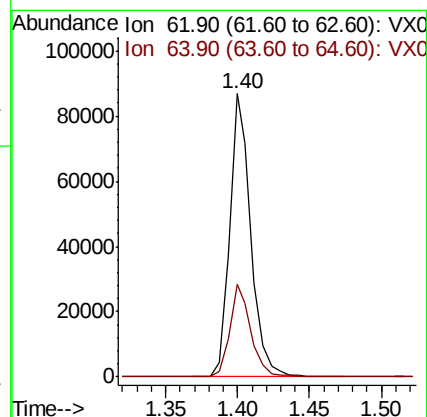
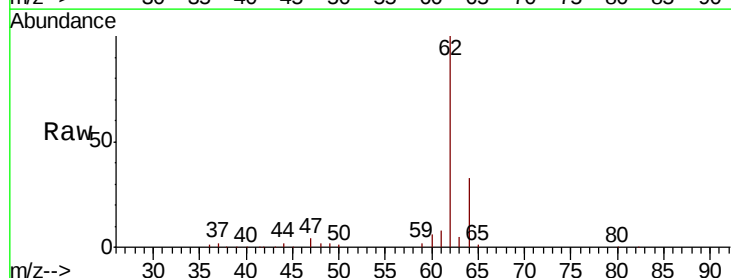
Acq: 17 Oct 2019 11:05

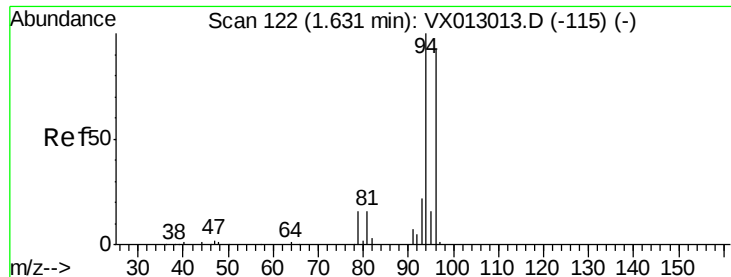
Tgt Ion: 62 Resp: 89650

Ion Ratio Lower Upper

62 100

64 32.8 25.3 37.9





#5

Bromomethane

Concen: 46.263 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 38997

Ion Ratio Lower Upper

94 100

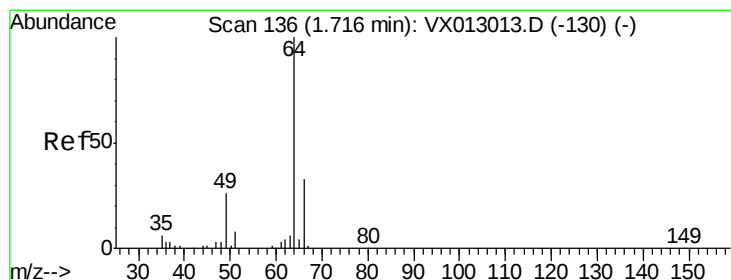
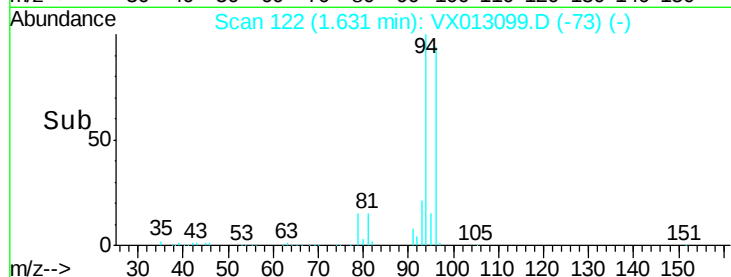
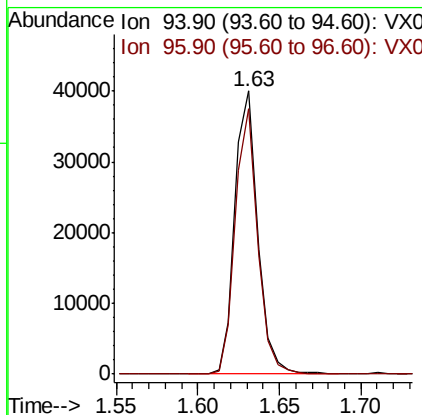
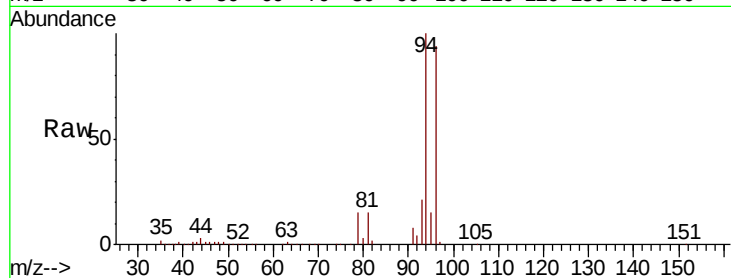
96 93.7 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 46.352 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013099.D

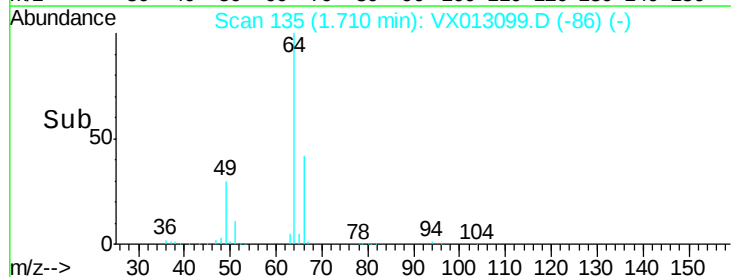
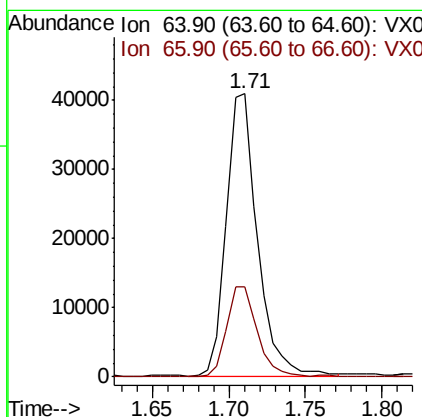
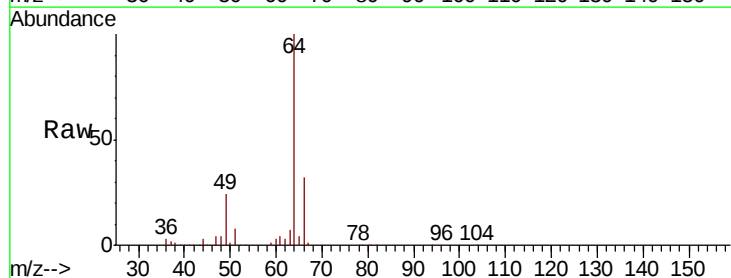
Acq: 17 Oct 2019 11:05

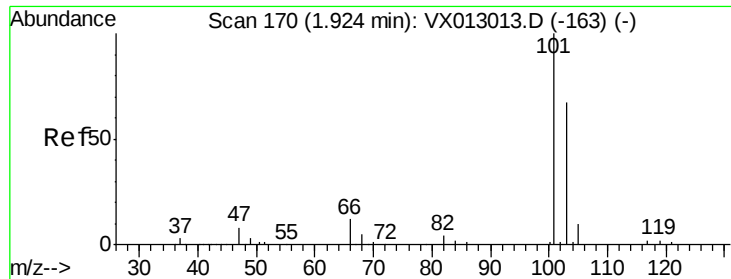
Tgt Ion: 64 Resp: 57381

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4





#7

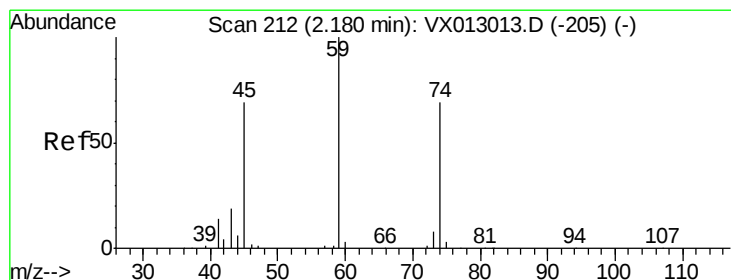
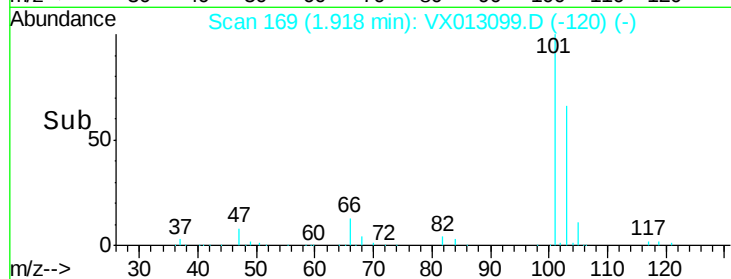
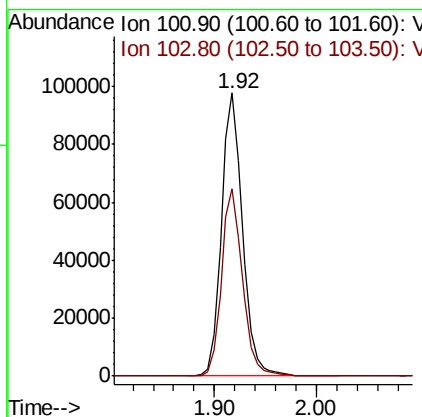
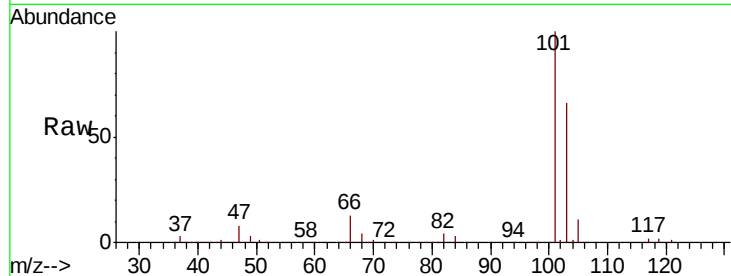
Trichlorofluoromethane
Concen: 51.359 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		140568		
103	66.3	52.5	78.7		

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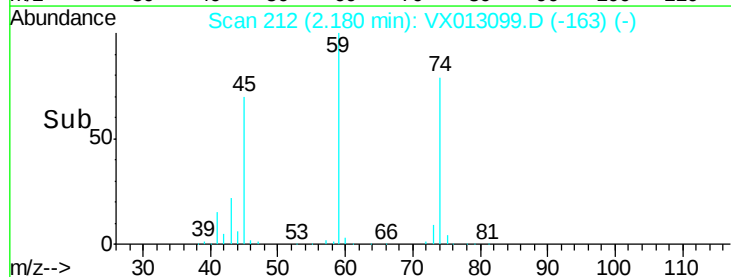
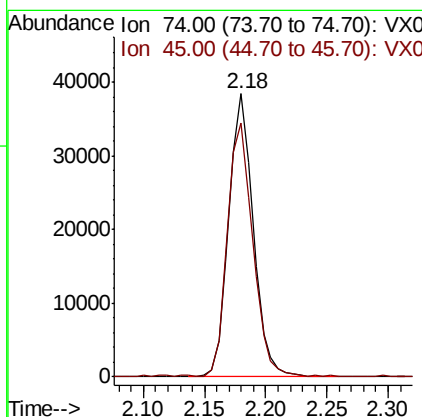
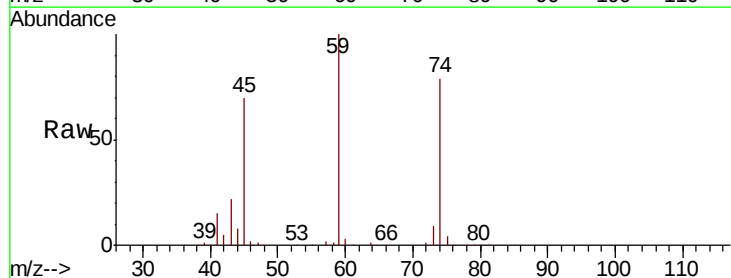
MMDadoda
10/18/2019 10:05:42 AM

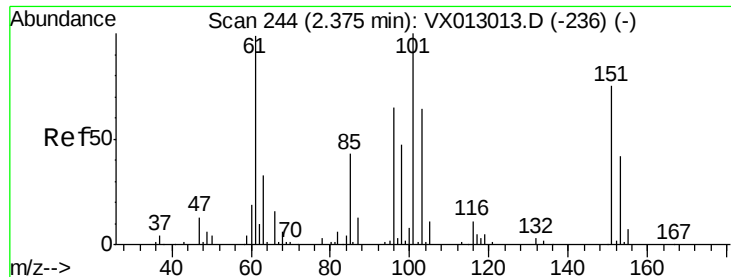


#8

Diethyl Ether
Concen: 48.248 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		53302		
45	92.9	47.8	143.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.562 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

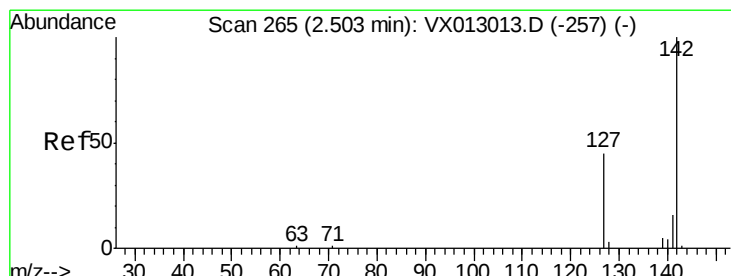
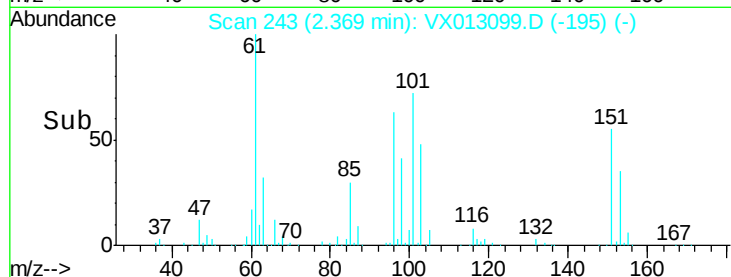
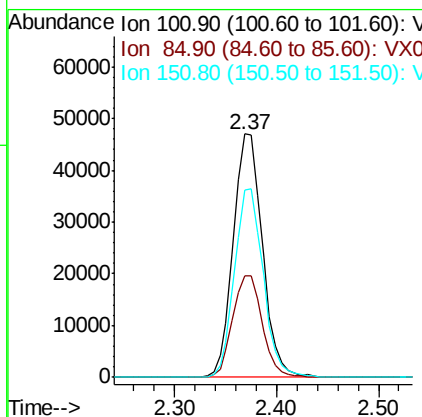
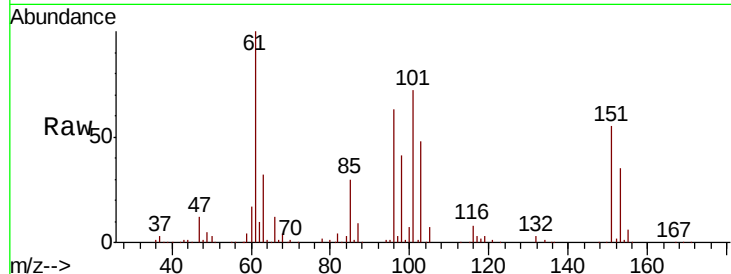
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	93105
Ion Ratio	Lower	Upper	
101	100		
85	42.7	35.2	52.8
151	76.6	60.3	90.5

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#10

Methyl Iodide

Concen: 52.247 ug/l

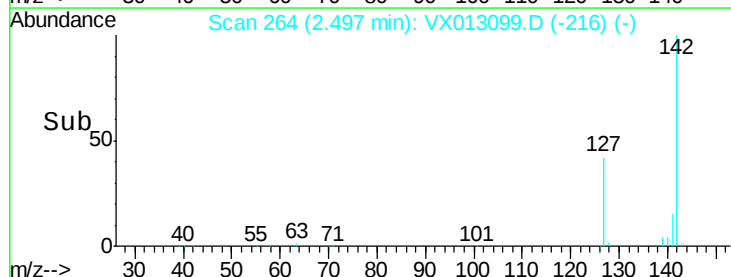
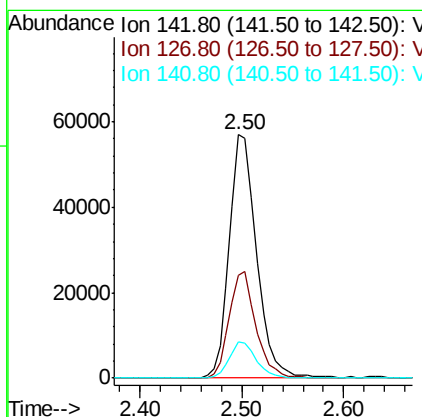
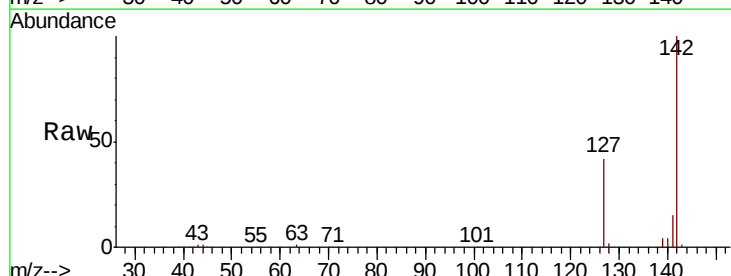
RT: 2.50 min Scan# 264

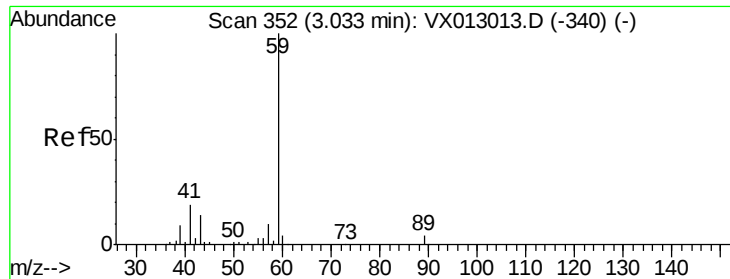
Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Tgt Ion:	142	Resp:	105356
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.9	52.3
141	14.6	11.6	17.4





#11

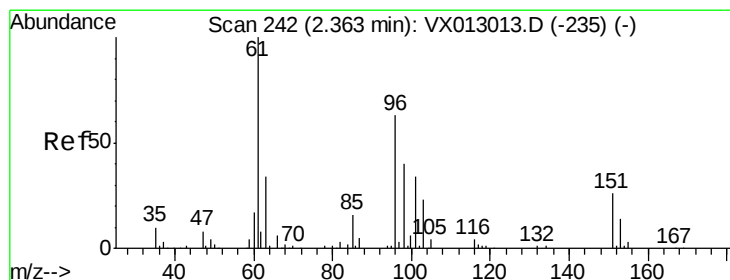
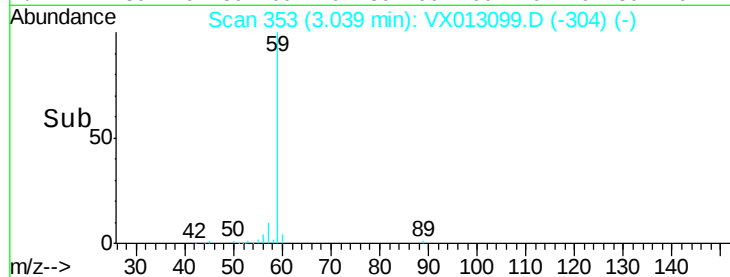
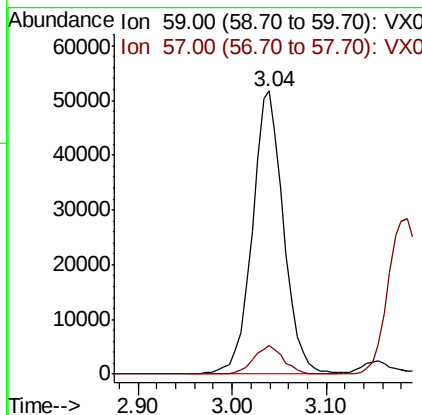
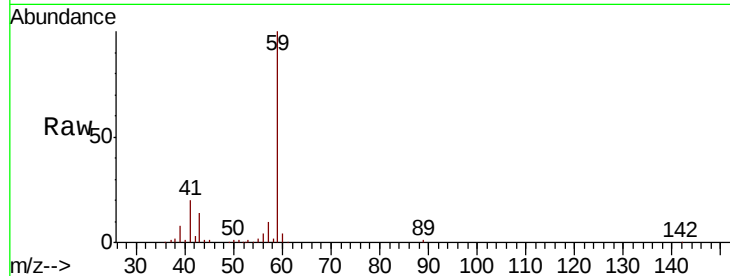
Tert butyl alcohol
 Concen: 204.465 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	119977
Ion Ratio	100	Lower	Upper
57	9.7	8.3	12.5

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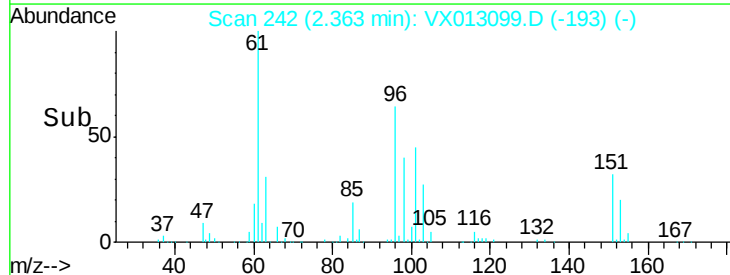
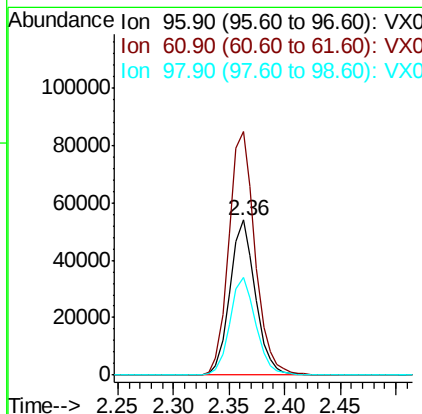
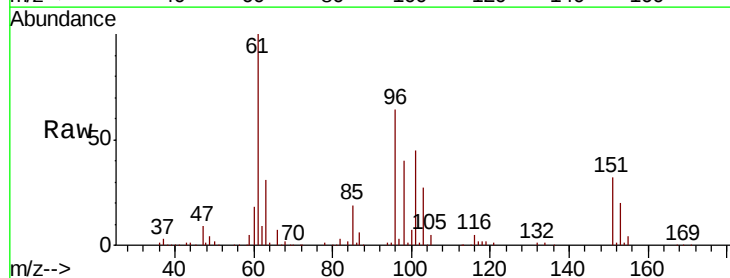
MMDadoda
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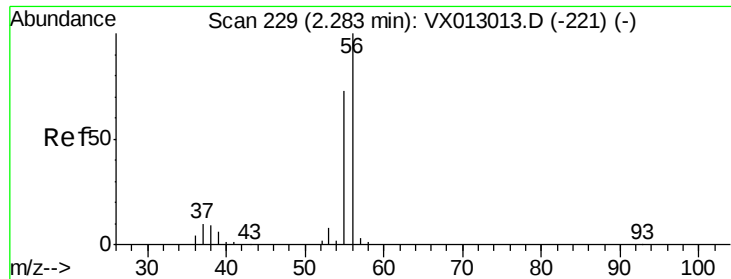


#12

1,1-Dichloroethene
 Concen: 47.936 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion	96	Resp	85791
Ion Ratio	100	Lower	Upper
61	156.9	132.2	198.4
98	63.3	50.5	75.7





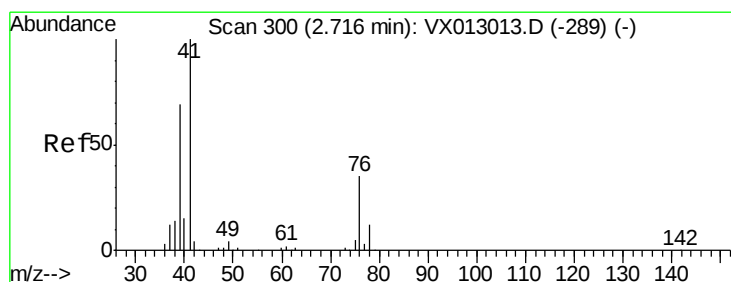
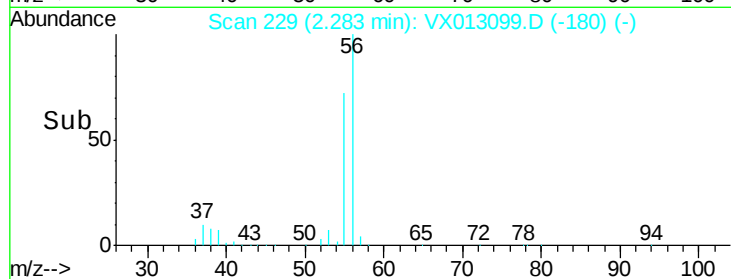
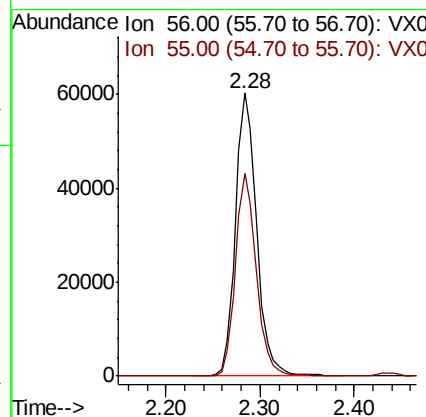
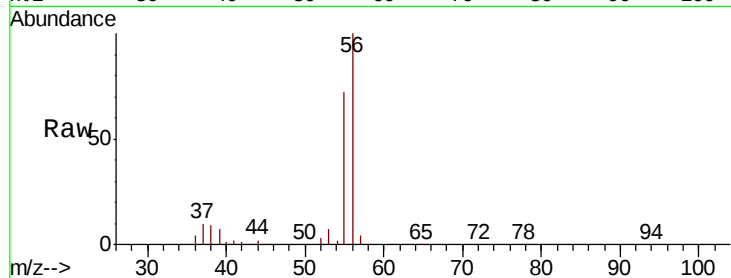
#13
Acrolein
Concen: 226.090 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.6	85.0

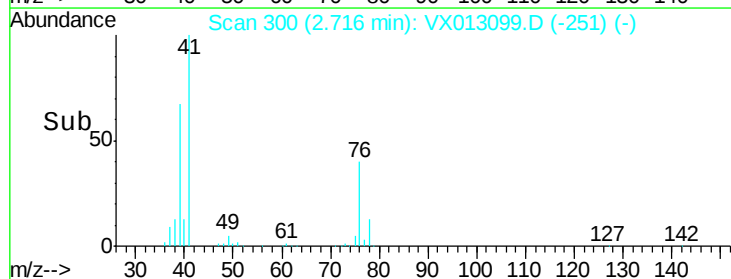
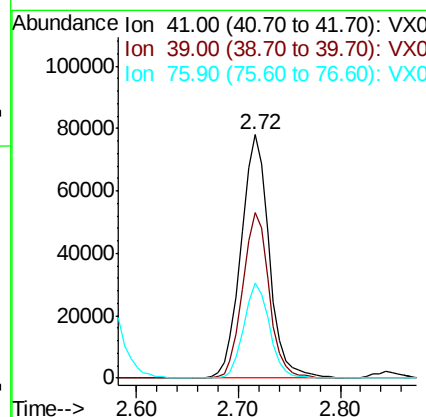
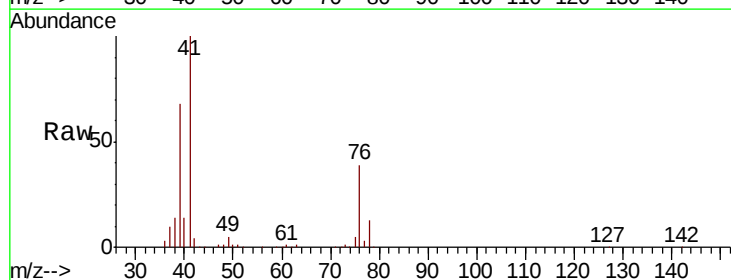
Manual Integrations
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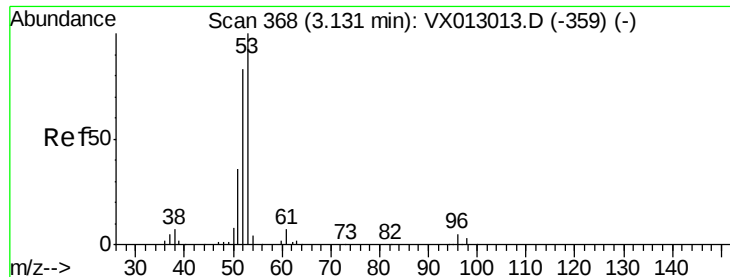
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#14
Allyl chloride
Concen: 46.746 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.0	51.0	76.6
76	35.6	26.2	39.4





#15

Acrylonitrile

Concen: 234.347 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

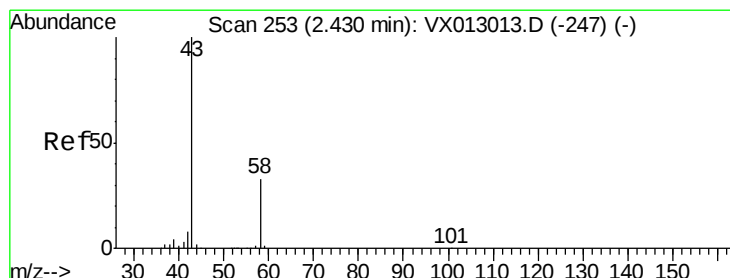
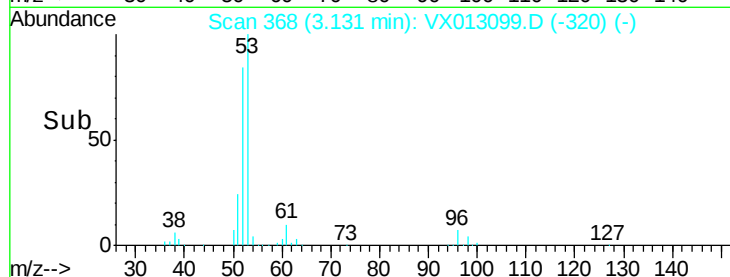
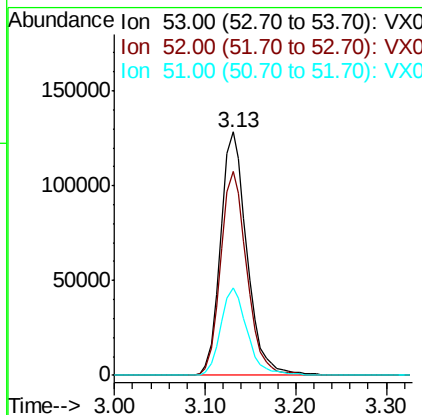
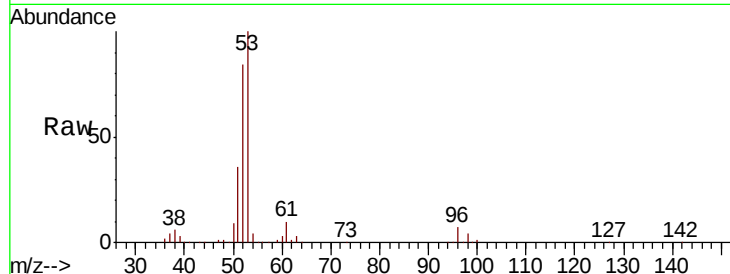
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	260594
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.2	99.2
51	36.3	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 242.001 ug/l

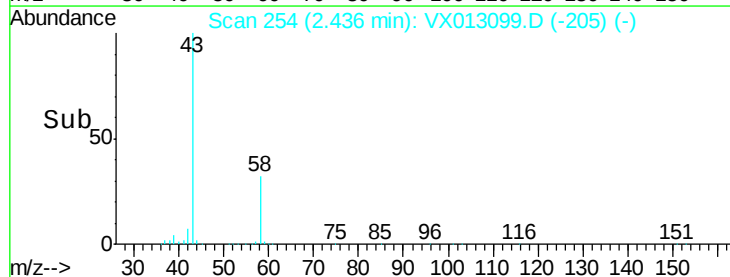
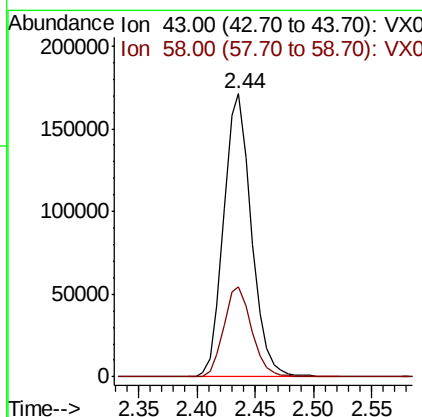
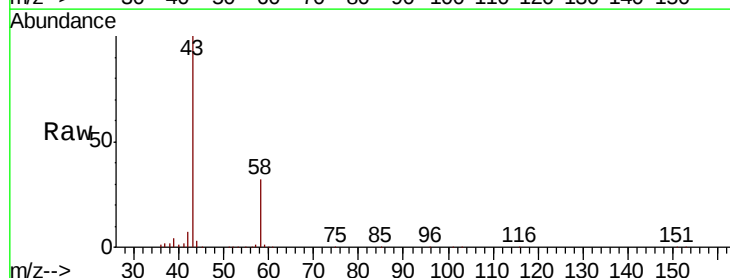
RT: 2.44 min Scan# 254

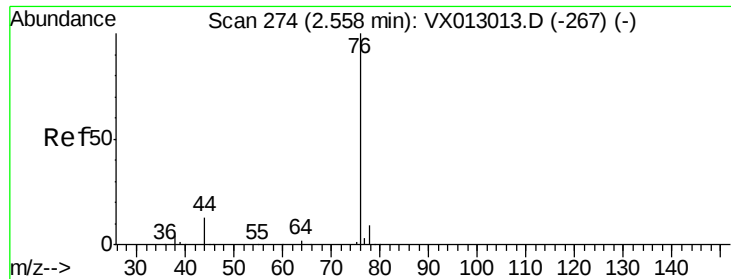
Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Tgt Ion:	43	Resp:	282354
Ion Ratio		Lower	Upper
43	100		
58	31.9	25.4	38.2





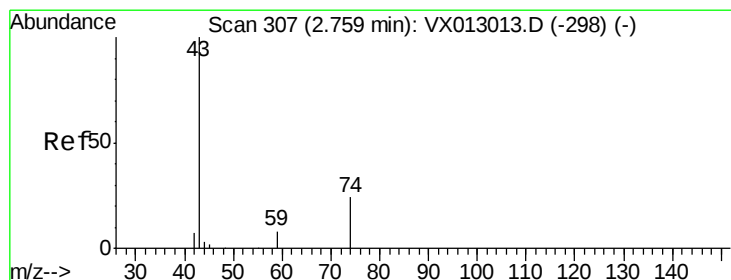
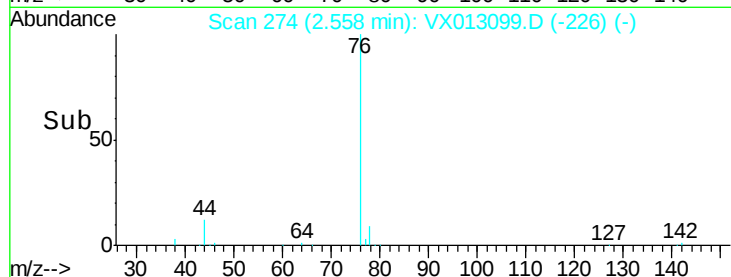
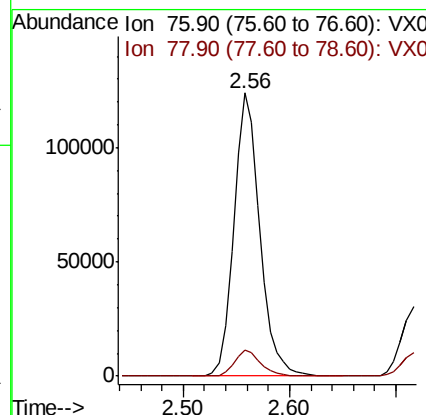
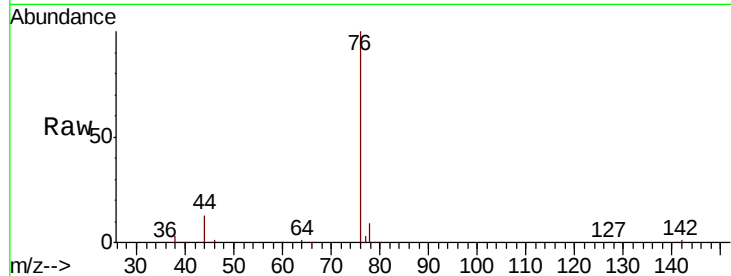
#17
Carbon Disulfide
Concen: 41.382 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

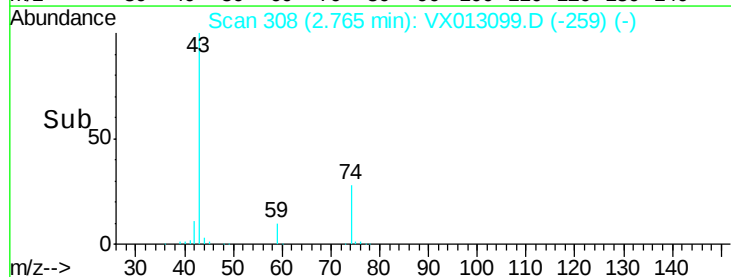
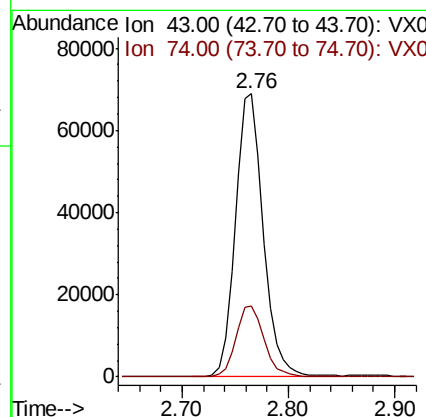
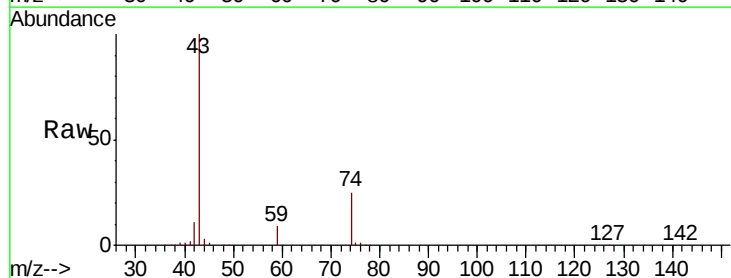
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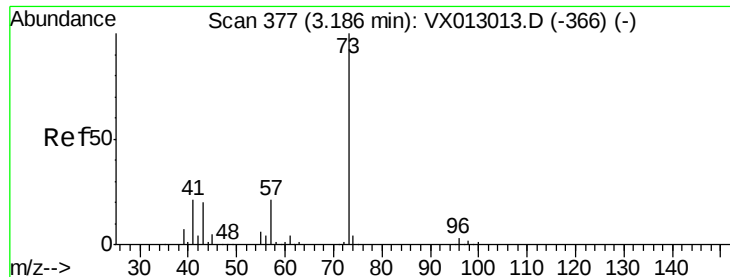
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#18
Methyl Acetate
Concen: 45.567 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	19.2	28.8





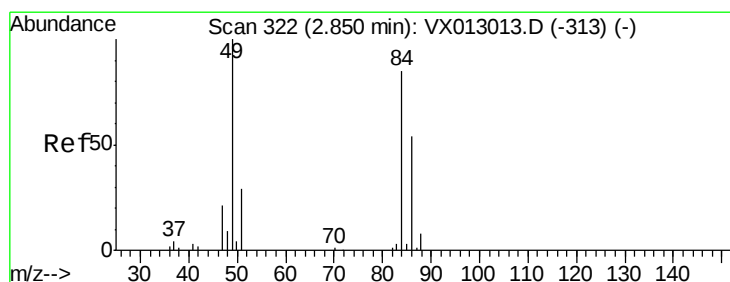
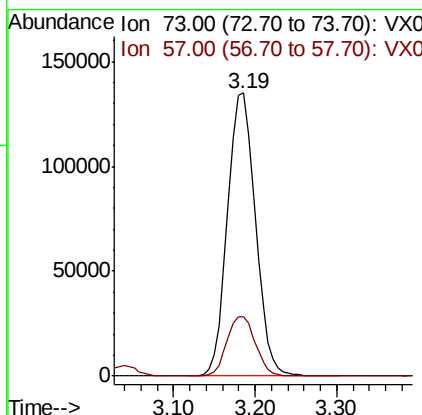
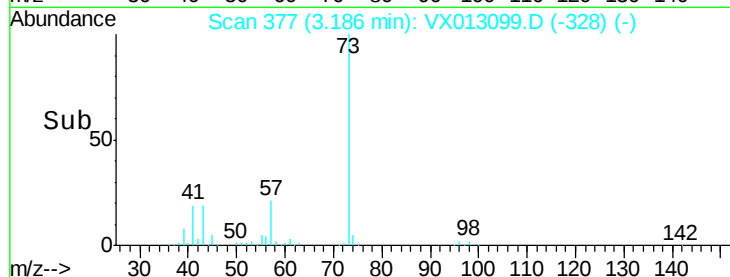
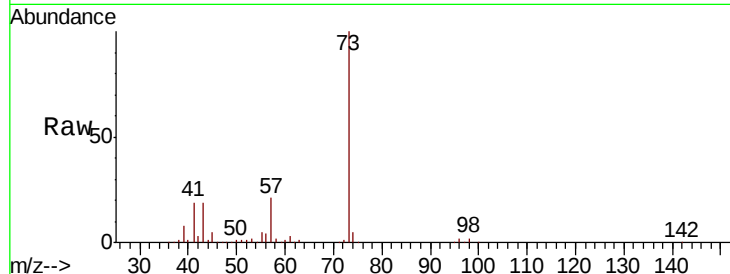
#19
Methyl tert-butyl Ether
Concen: 51.667 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.8	26.6

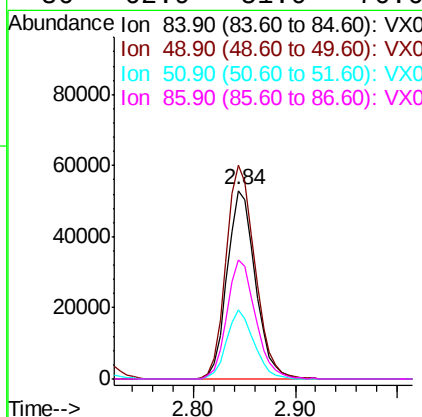
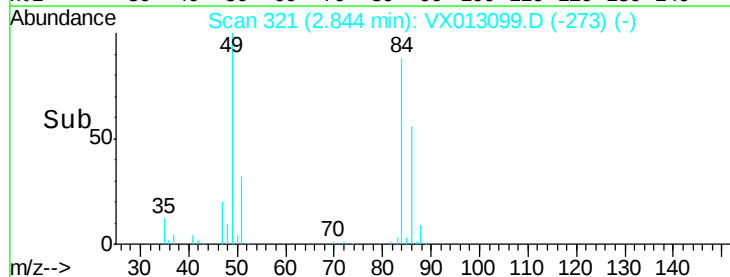
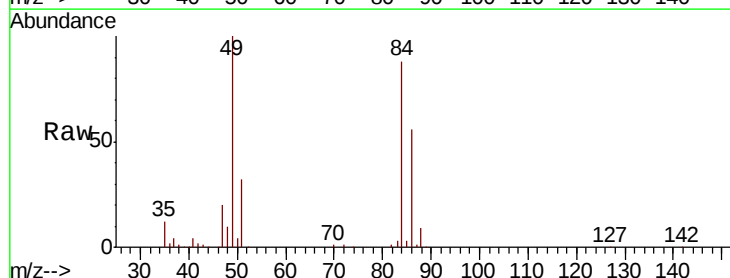
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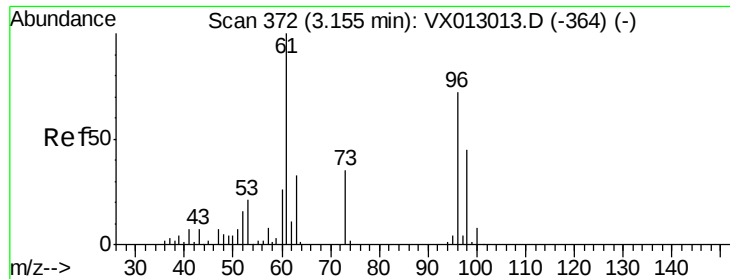
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#20
Methylene Chloride
Concen: 47.353 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.2	96.6	144.8
51	36.5	30.7	46.1
86	62.9	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 48.575 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 93178

Ion Ratio Lower Upper

96 100

61 134.2 110.4 165.6

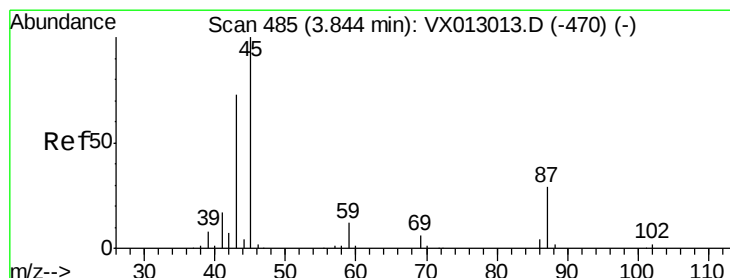
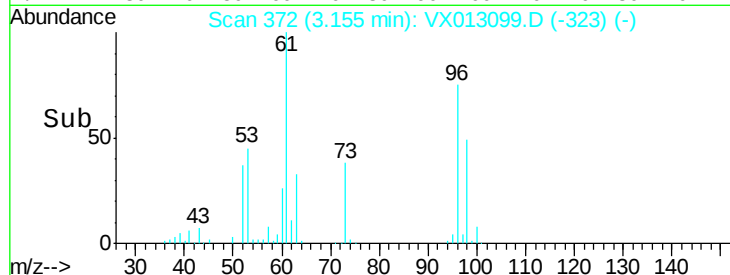
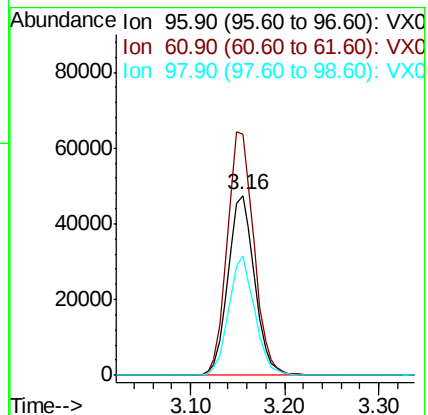
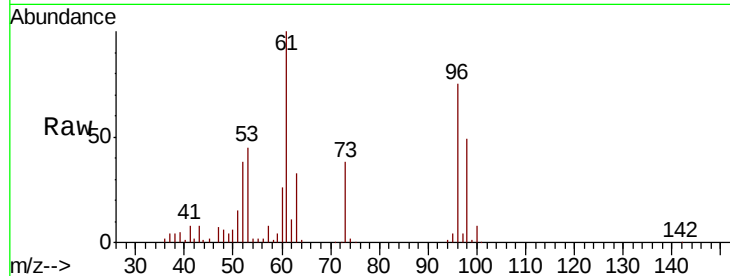
98 66.4 51.5 77.3

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#22

Diisopropyl ether

Concen: 49.291 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Tgt Ion: 45 Resp: 301032

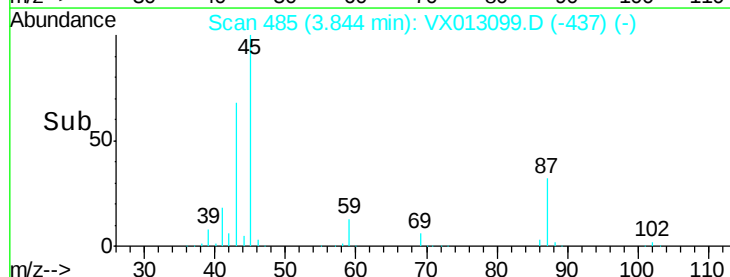
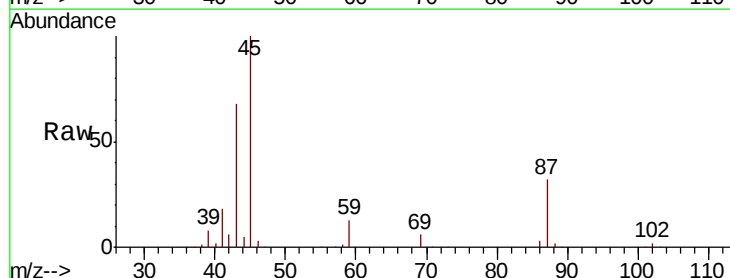
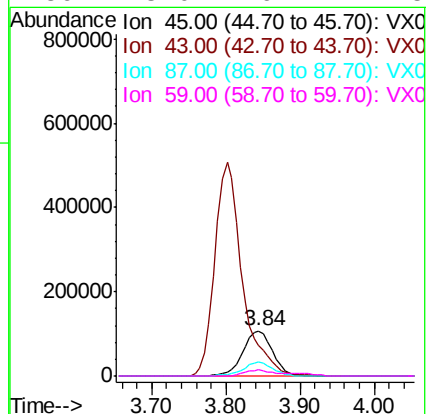
Ion Ratio Lower Upper

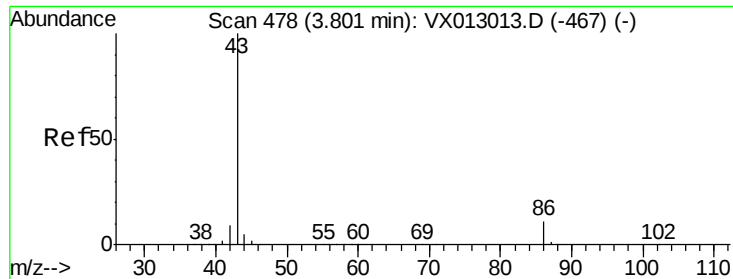
45 100

43 67.4 51.4 77.0

87 32.3 22.5 33.7

59 13.0 9.7 14.5





#23

Vinyl Acetate

Concen: 246.180 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1297909

Ion Ratio Lower Upper

43 100

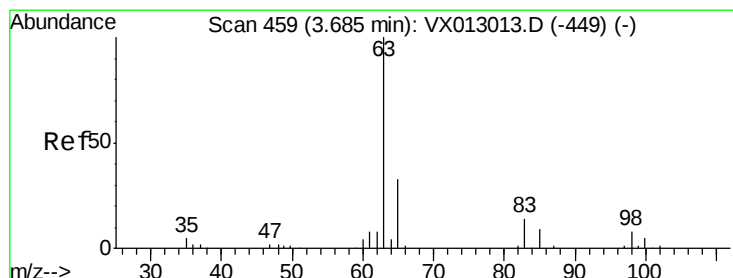
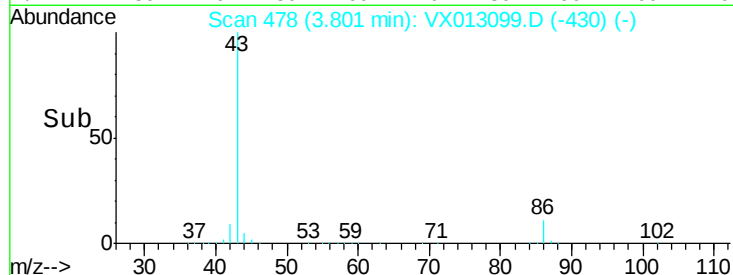
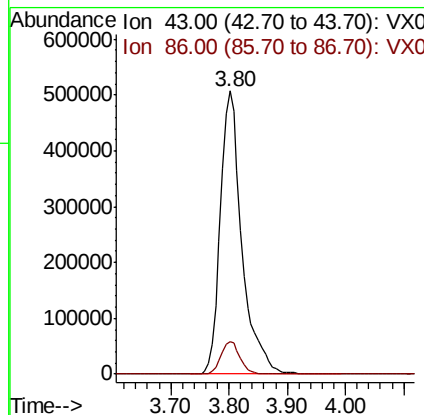
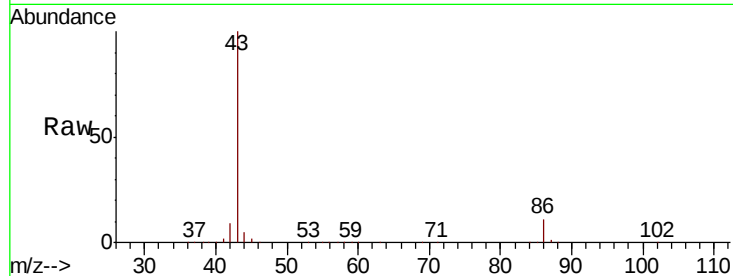
86 11.4 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.027 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

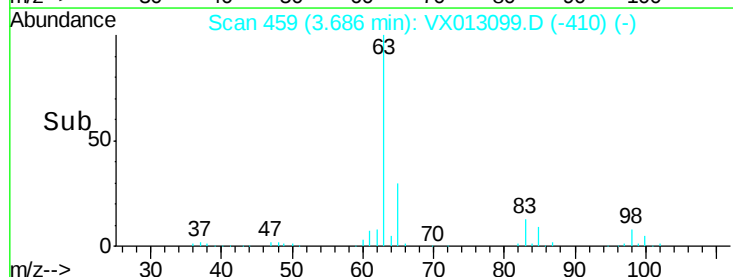
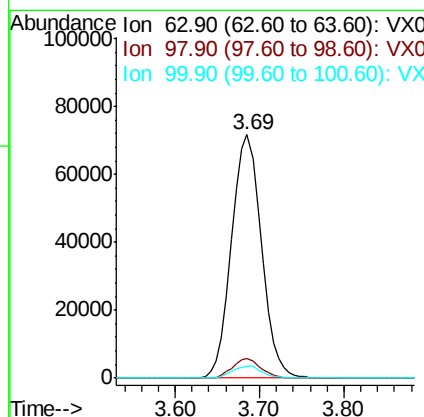
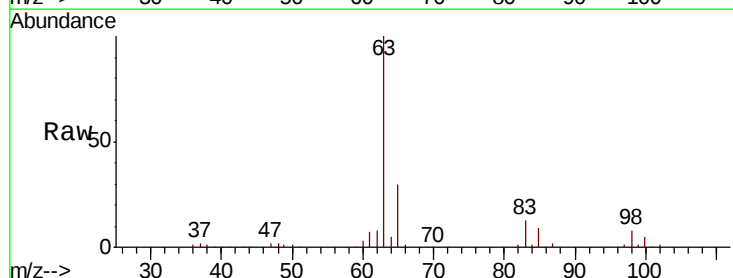
Tgt Ion: 63 Resp: 171883

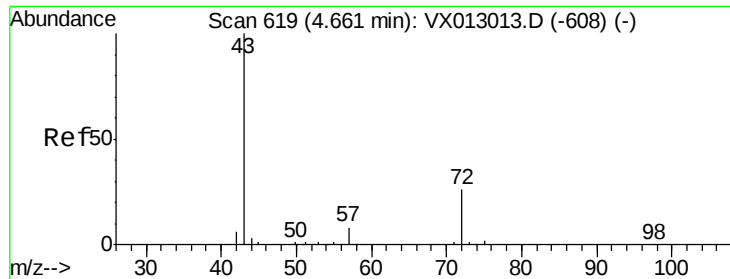
Ion Ratio Lower Upper

63 100

98 8.3 3.9 11.5

100 4.8 2.3 6.9





#25

2-Butanone

Concen: 233.953 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 378700

Ion Ratio Lower Upper

43 100

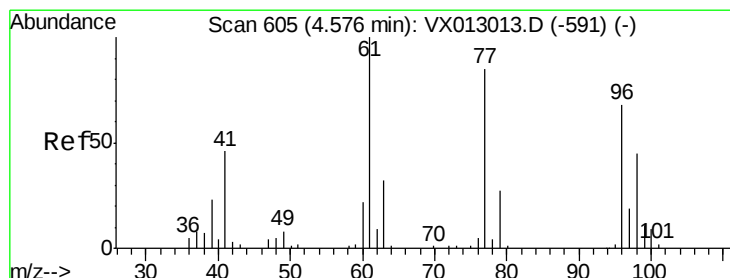
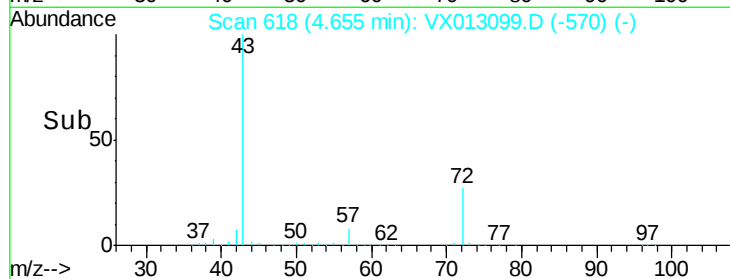
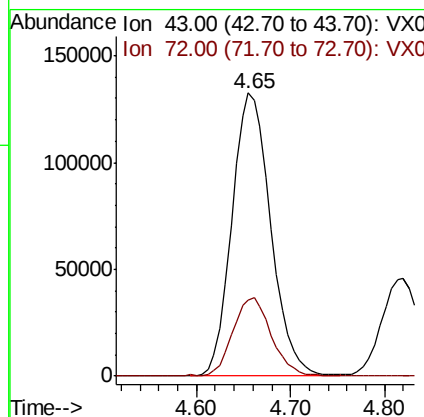
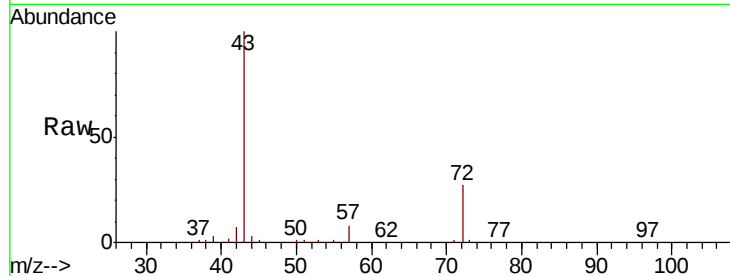
72 26.8 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.688 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013099.D

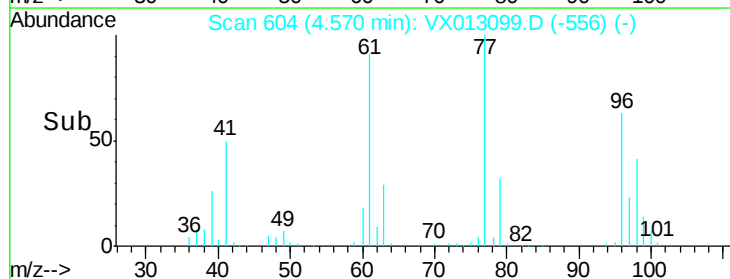
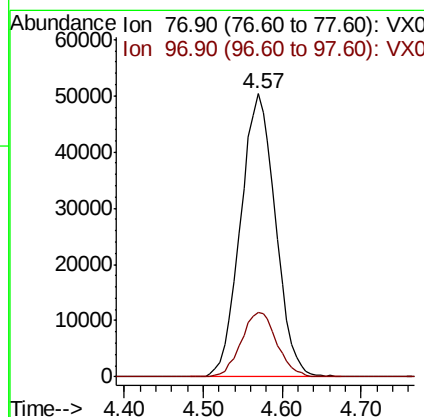
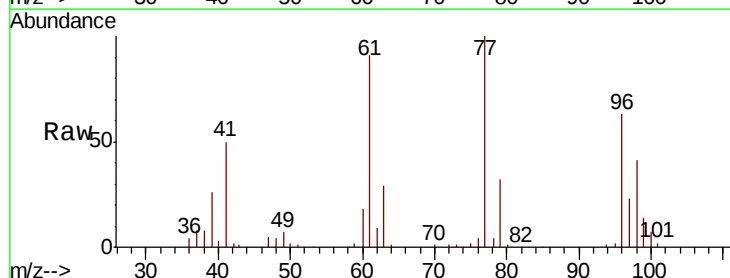
Acq: 17 Oct 2019 11:05

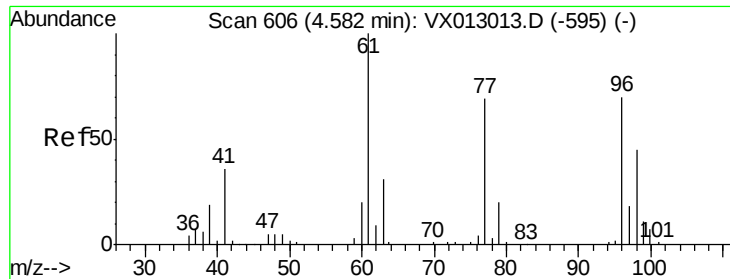
Tgt Ion: 77 Resp: 155115

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.9





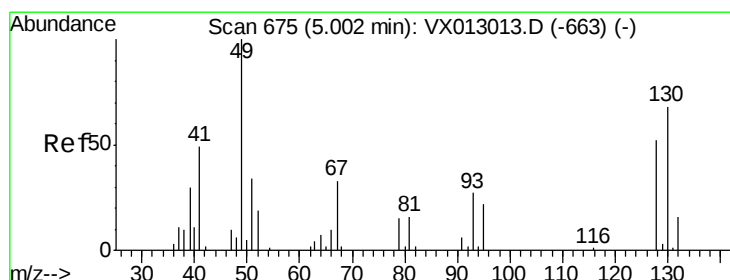
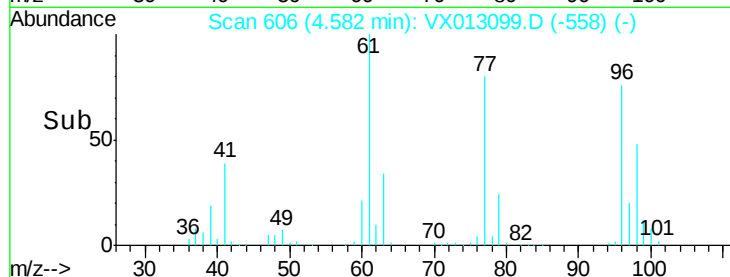
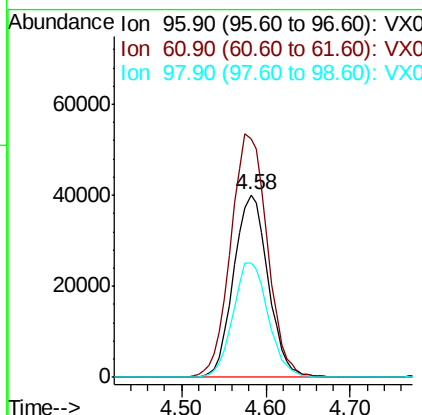
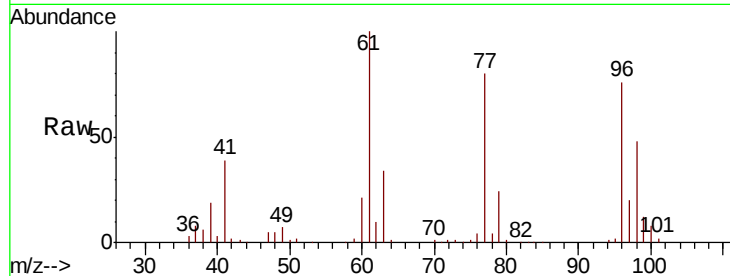
#27
 cis-1,2-Dichloroethene
 Concen: 50.229 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	111061		
61	141.7	0.0	290.6	
98	64.1	0.0	128.8	

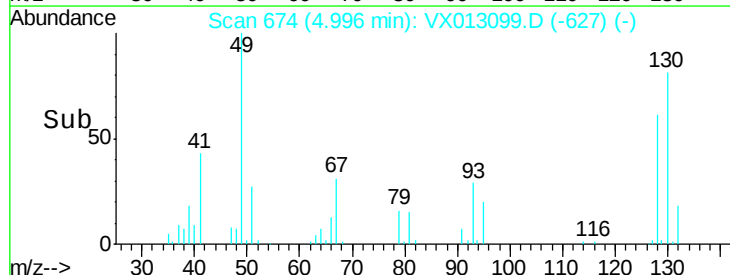
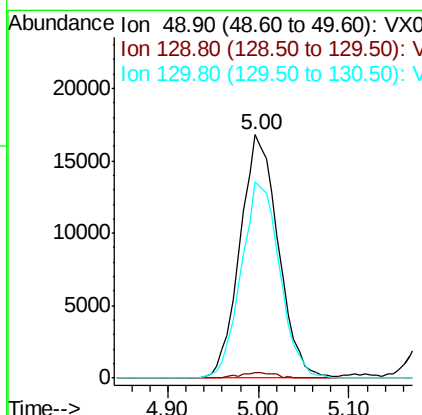
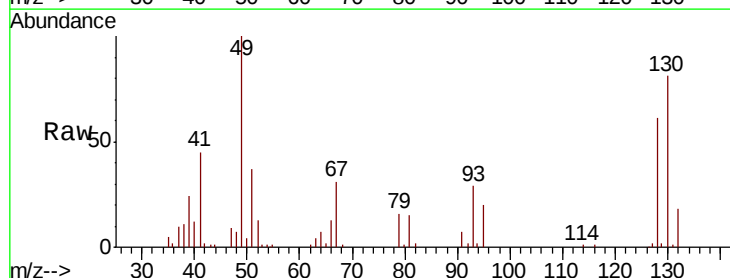
Manual Integrations
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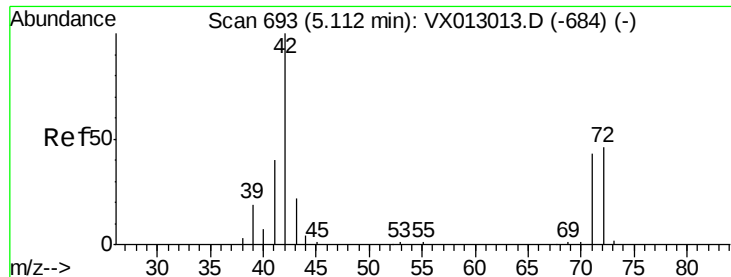
MMDadoda
 10/18/2019 10:05:42 AM



#28
 Bromochloromethane
 Concen: 48.004 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	49308		
129	2.1	0.0	4.2	
130	80.9	62.1	93.1	





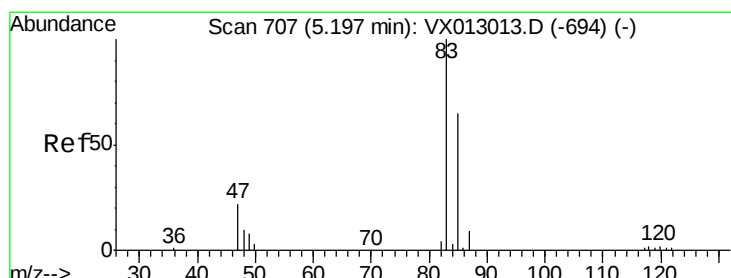
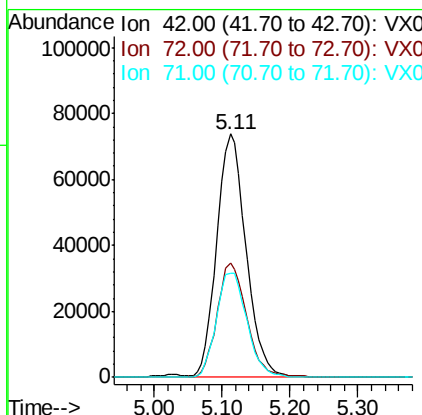
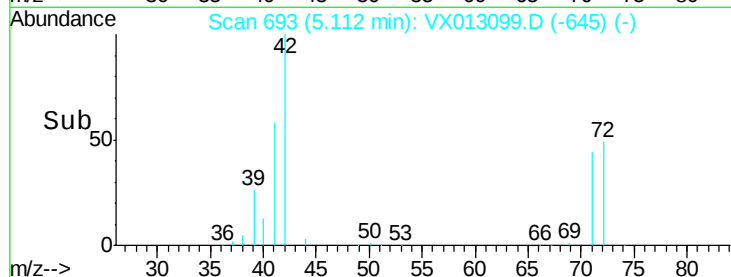
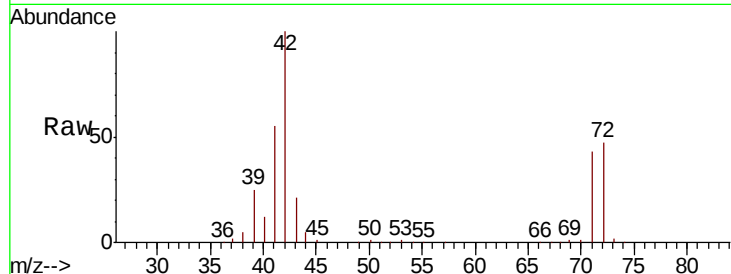
#29
Tetrahydrofuran
Concen: 221.696 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	36.9	55.3
71	44.7	33.5	50.3

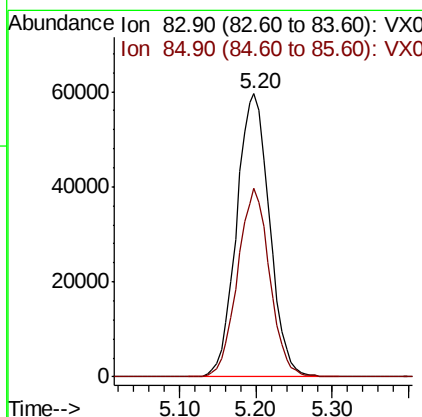
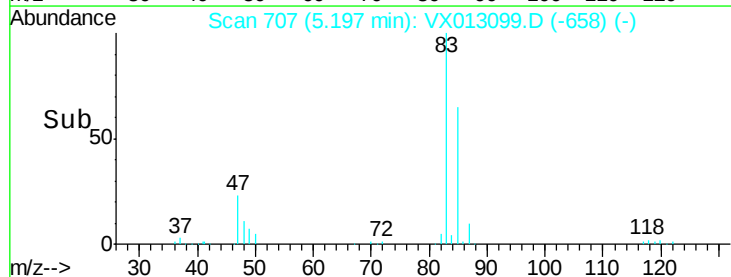
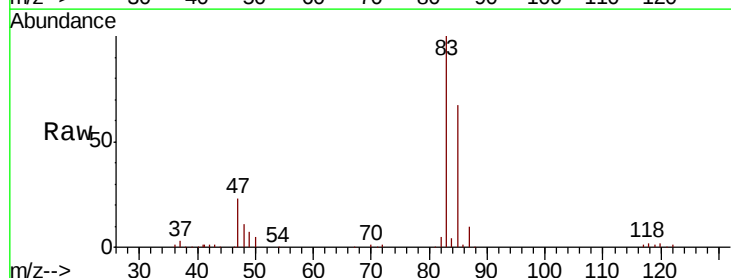
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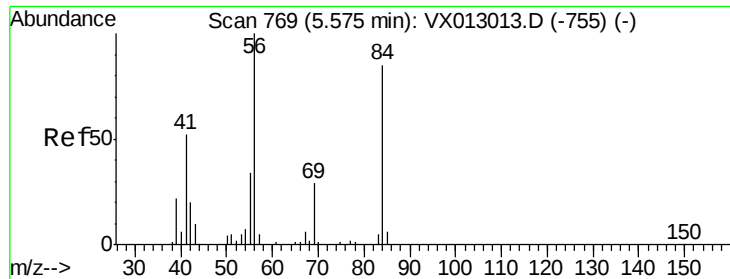
MMDadoda
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#30
Chloroform
Concen: 50.469 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.5	77.3





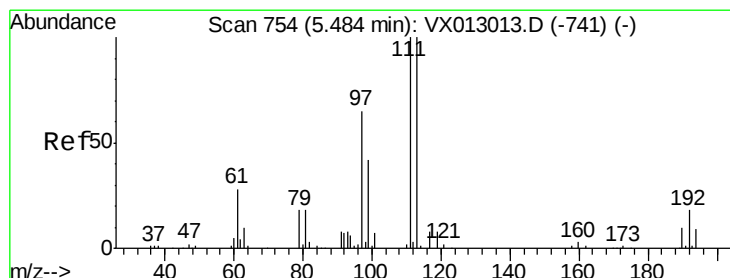
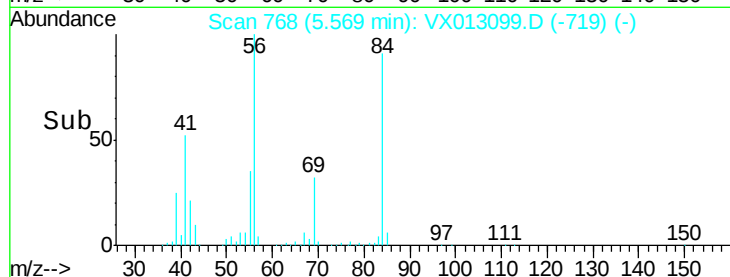
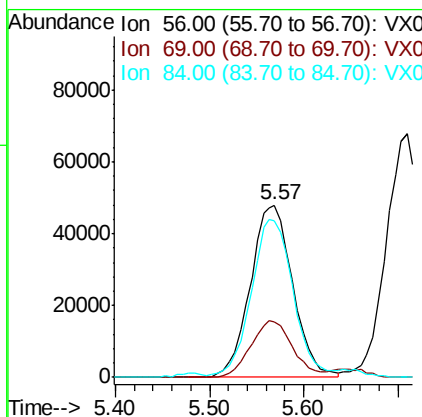
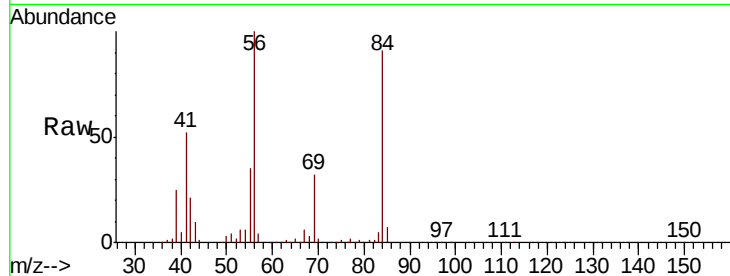
#31
Cyclohexane
Concen: 46.964 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.2	37.8
84	88.3	71.3	106.9

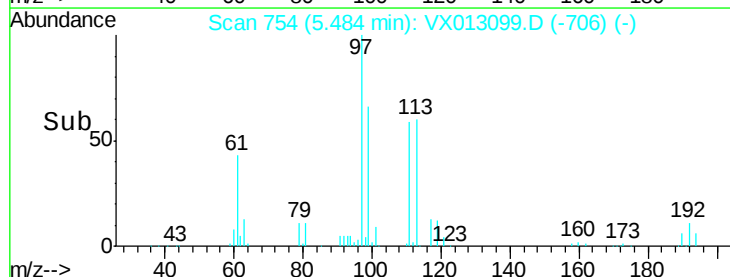
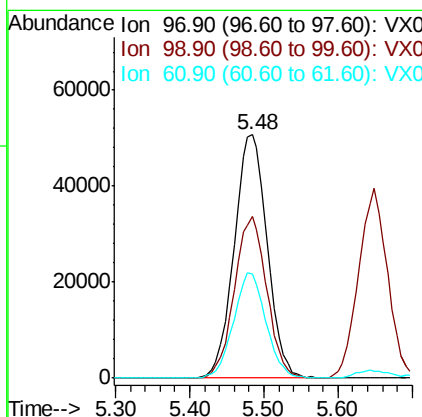
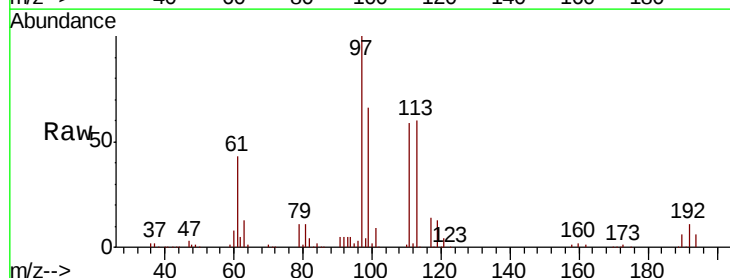
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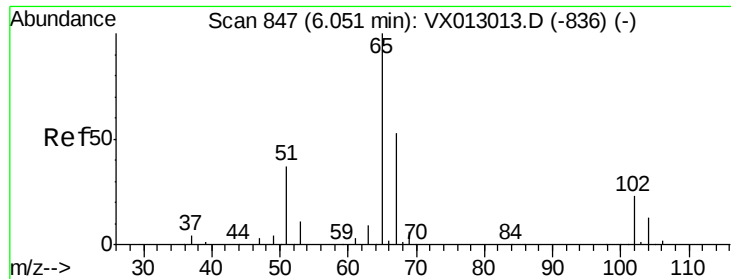
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.835 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.3	78.5
61	42.6	35.0	52.4





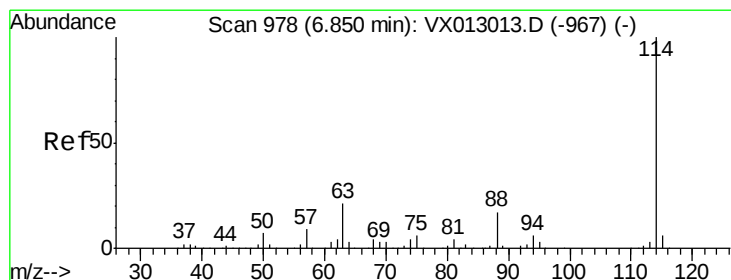
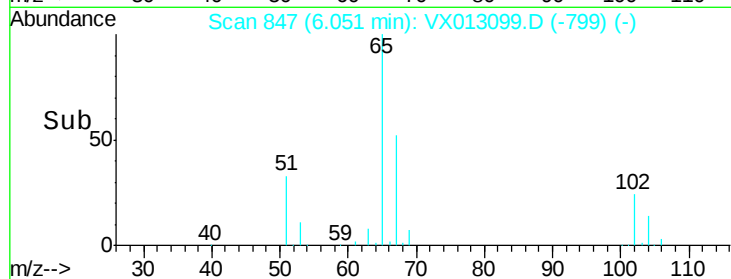
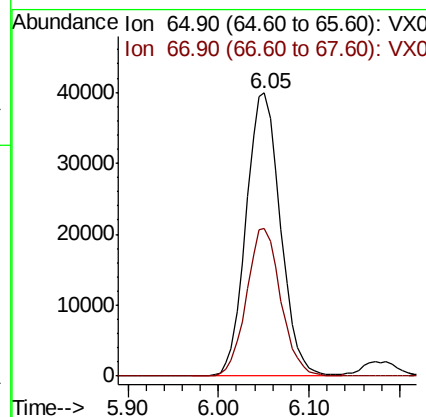
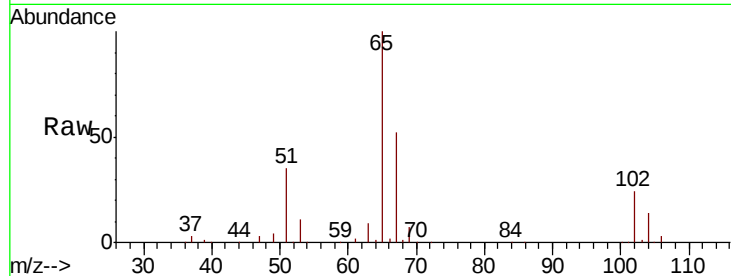
#33
 1,2-Dichloroethane-d4
 Concen: 47.285 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	104666		
67	51.9	0.0	104.4	

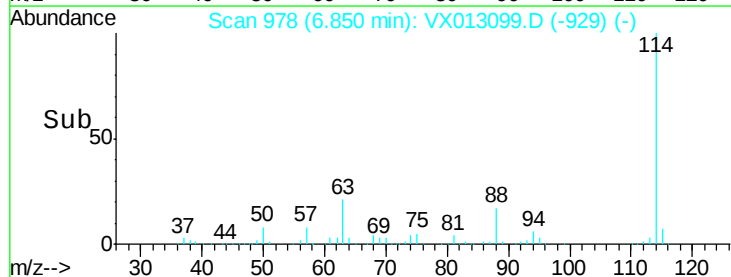
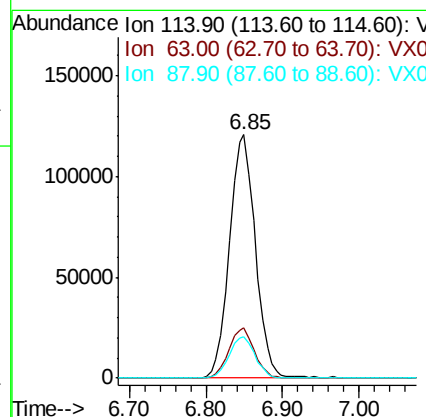
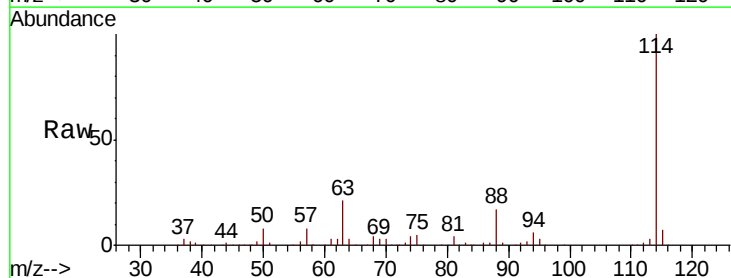
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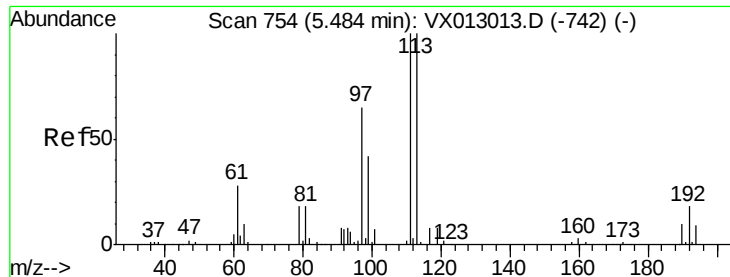
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	282953		
63	20.8	0.0	40.8	
88	16.8	0.0	33.8	





#35

Dibromofluoromethane

Concen: 52.994 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

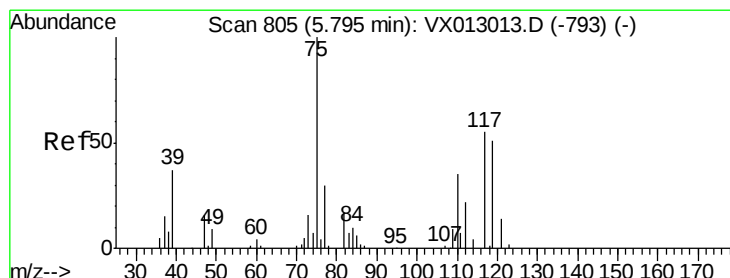
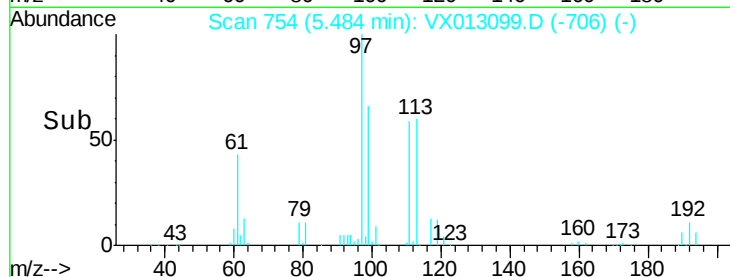
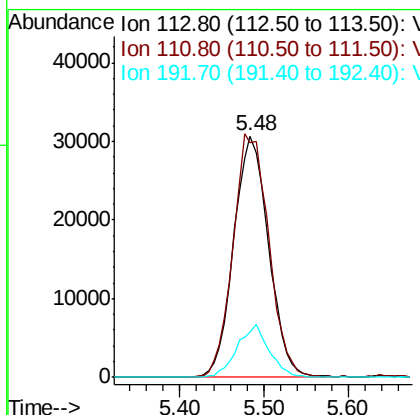
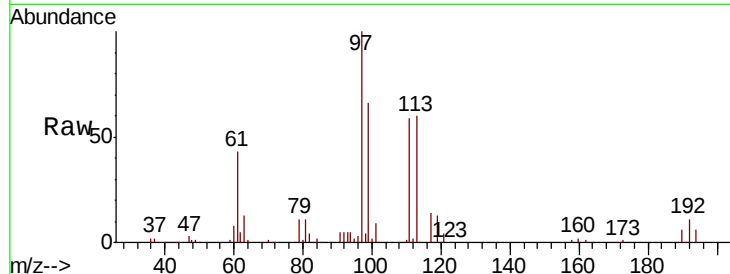
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	86063
Ion Ratio	Lower	Upper	
113	100		
111	103.2	83.2	124.8
192	19.9	15.4	23.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.004 ug/l

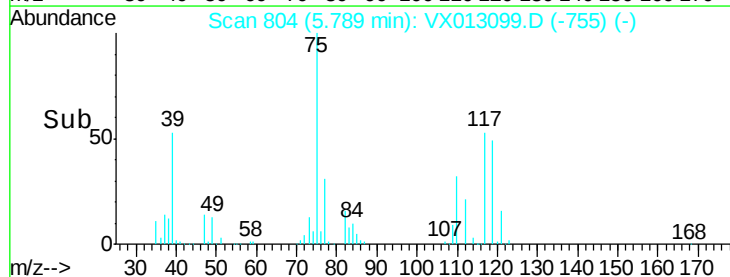
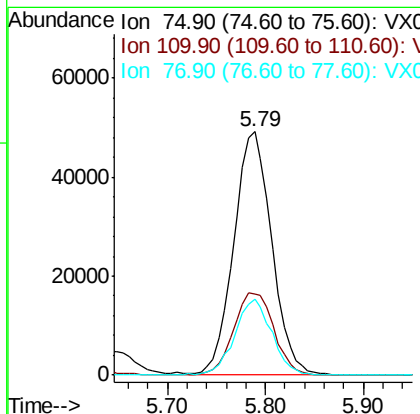
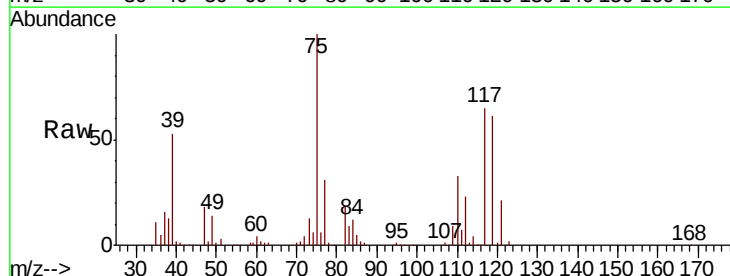
RT: 5.79 min Scan# 804

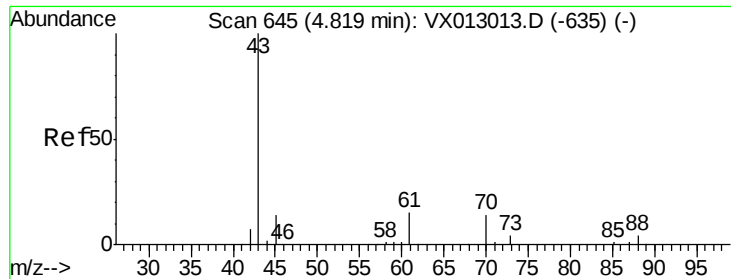
Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Tgt Ion:	75	Resp:	131860
Ion Ratio	Lower	Upper	
75	100		
110	36.1	17.6	52.9
77	30.9	24.4	36.6





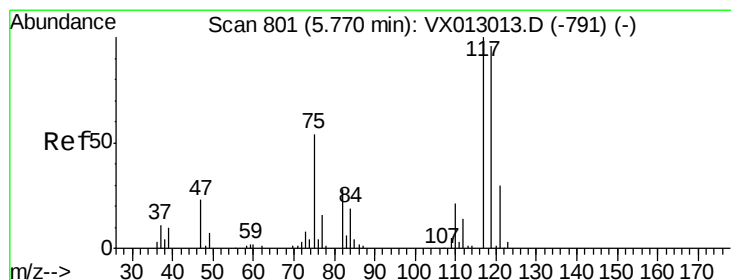
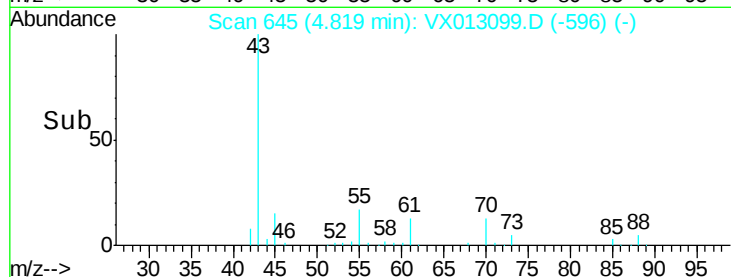
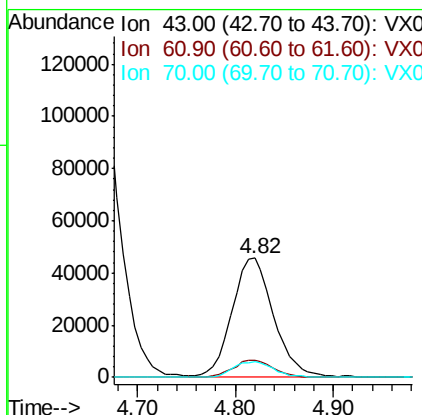
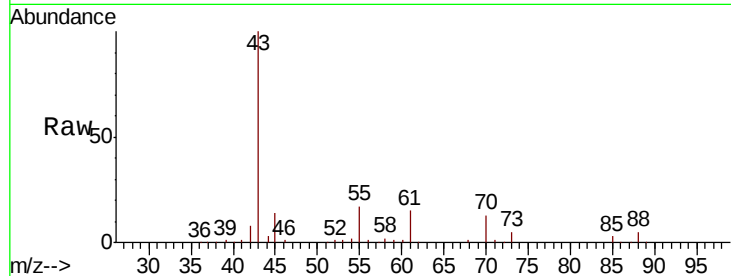
#37
Ethyl Acetate
Concen: 47.694 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.0
70	12.9	9.8	14.6

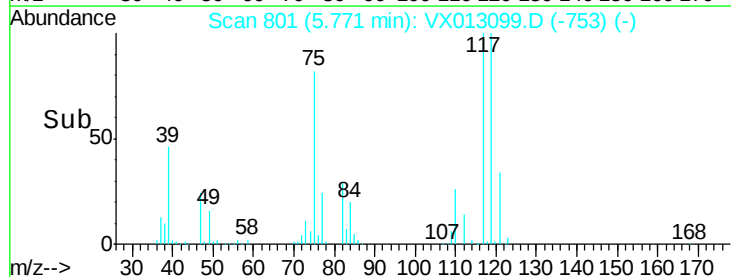
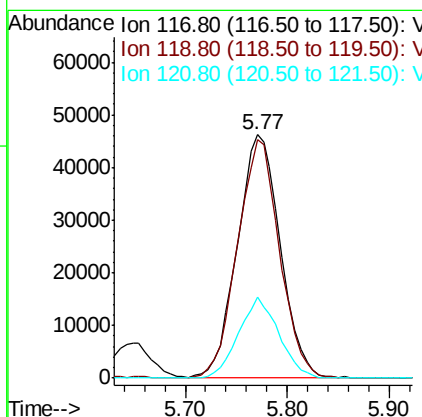
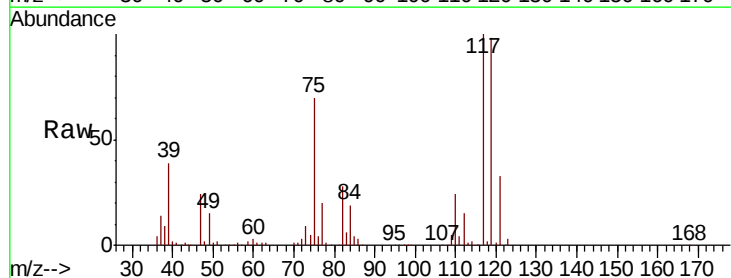
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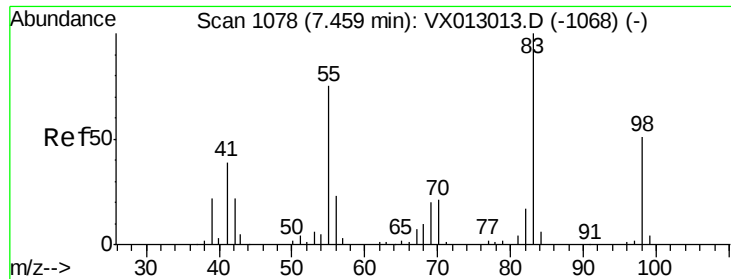
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#38
Carbon Tetrachloride
Concen: 55.678 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	74.5	111.7
121	33.5	24.2	36.4





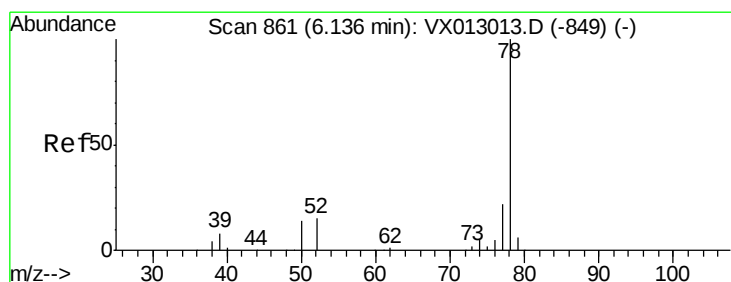
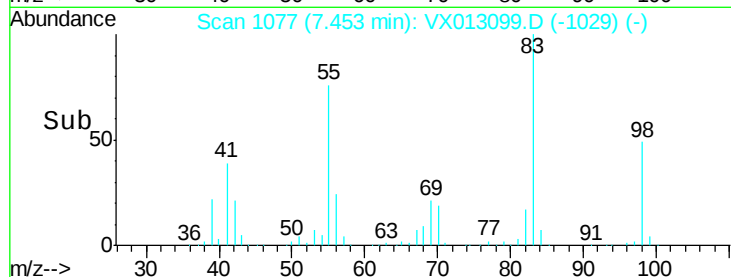
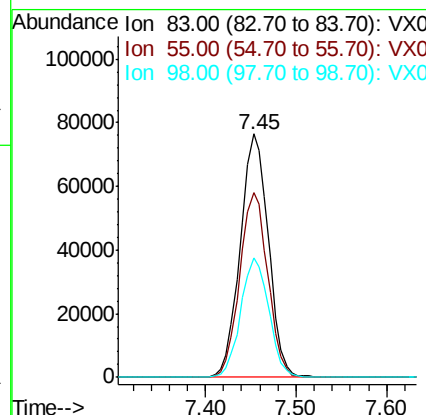
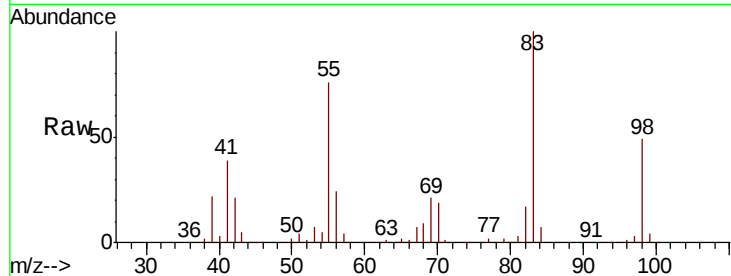
#39
Methvlcvclohexane
Concen: 54.543 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	60.2	90.4
98	49.2	38.5	57.7

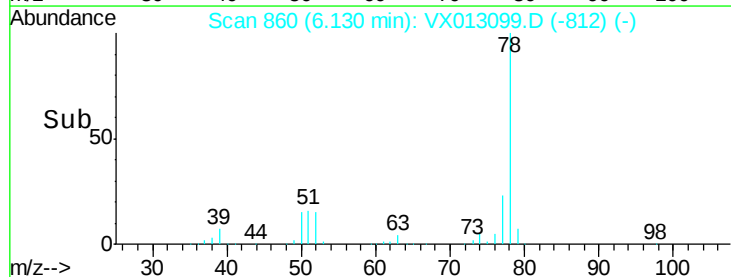
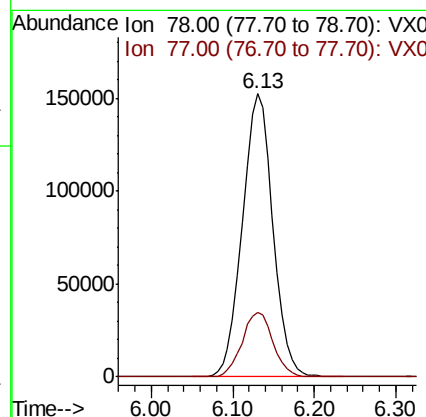
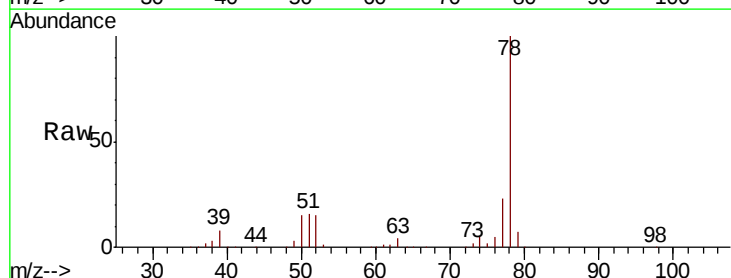
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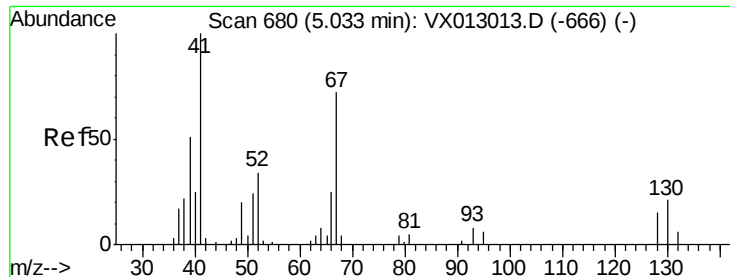
MMDadoda
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#40
Benzene
Concen: 53.640 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4





#41

Methacrylonitrile

Concen: 50.000 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

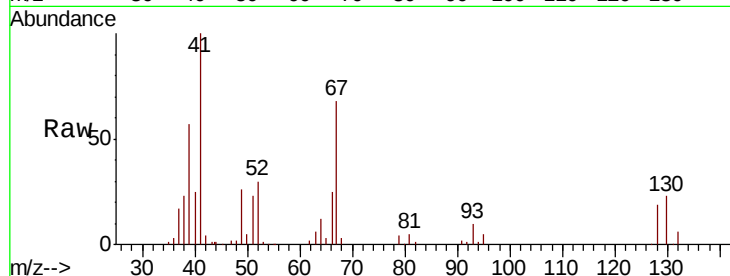
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	76427
Ion	Ratio	Lower	Upper
41	100		
39	54.0	44.0	66.0
67	74.4	58.5	87.7
52	29.9	23.8	35.8

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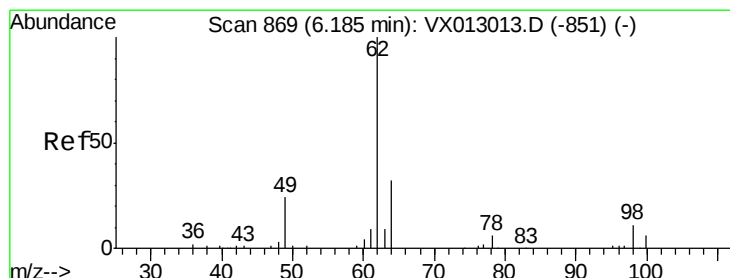
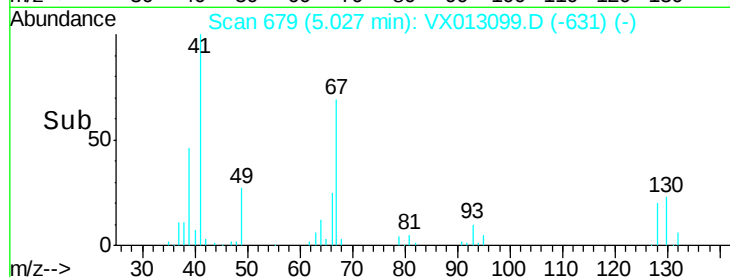
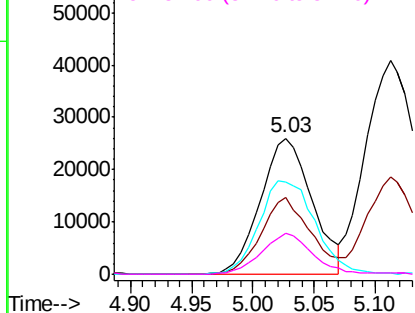
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 53.902 ug/l

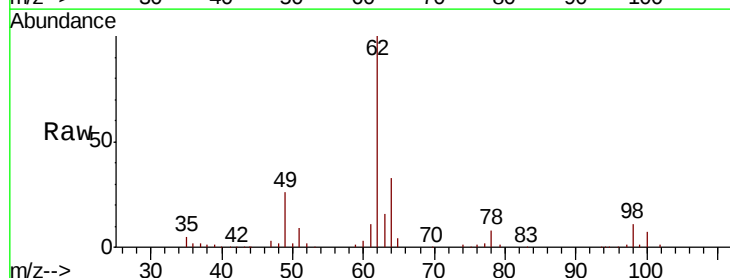
RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

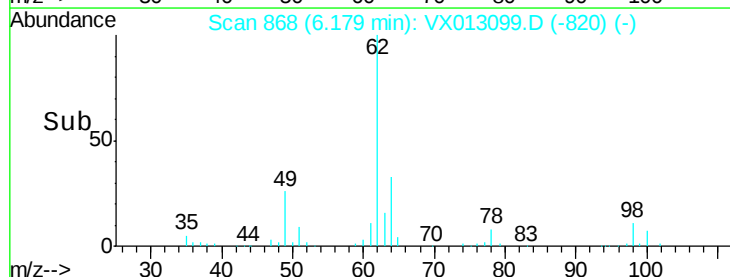
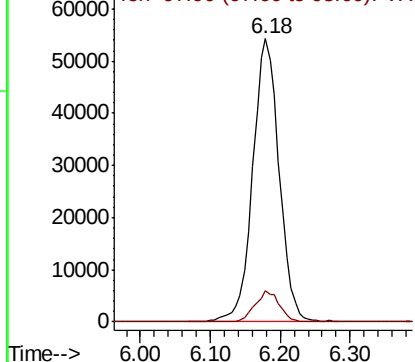
Tgt Ion:	62	Resp:	142114
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.4

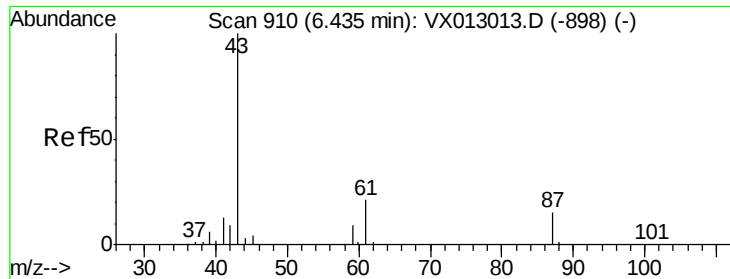


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

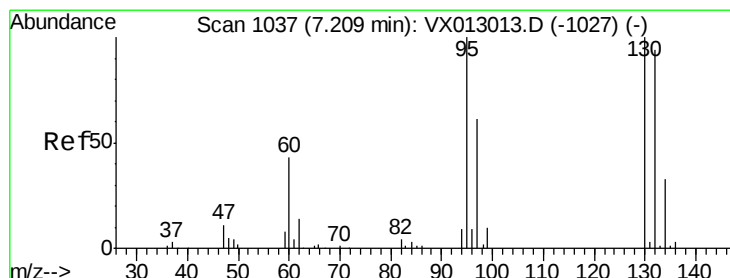
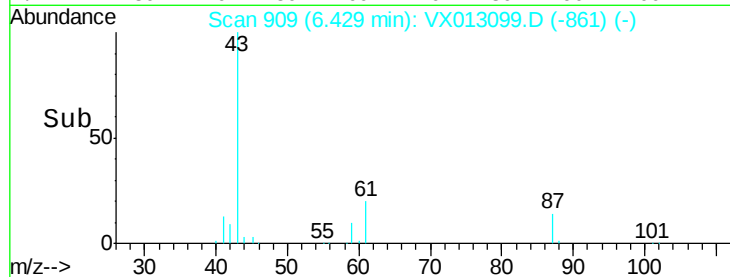
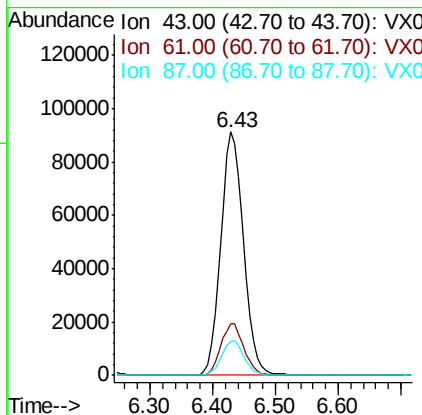
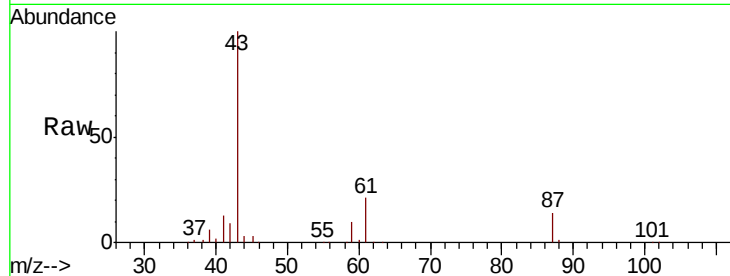
Isopropyl Acetate
 Concen: 51.222 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.6	24.8
87	14.4	11.0	16.6

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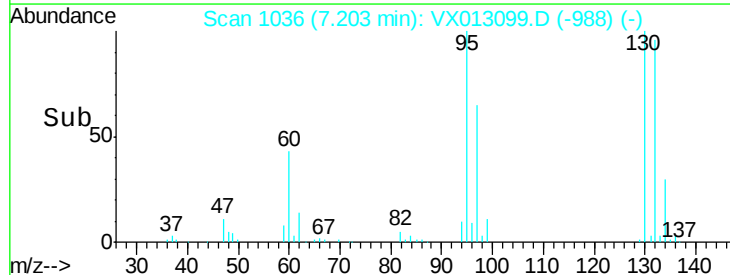
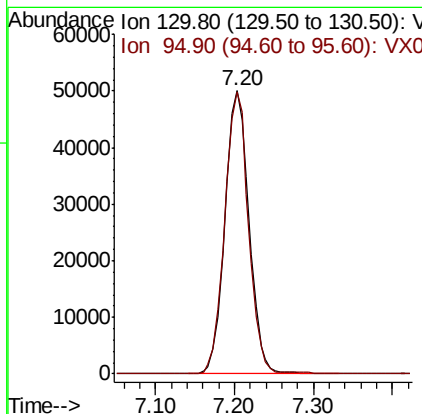
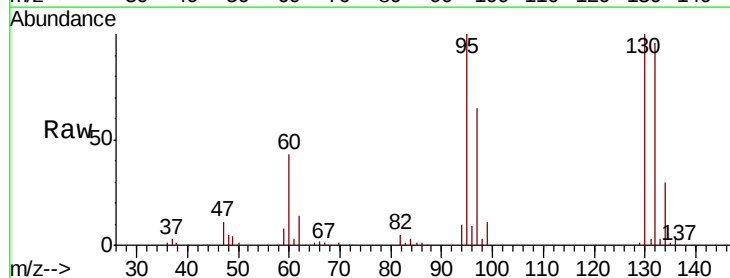
MMDadoda
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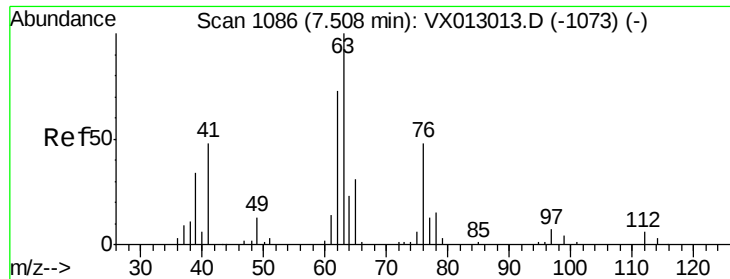


#44

Trichloroethene
 Concen: 52.162 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	189.2





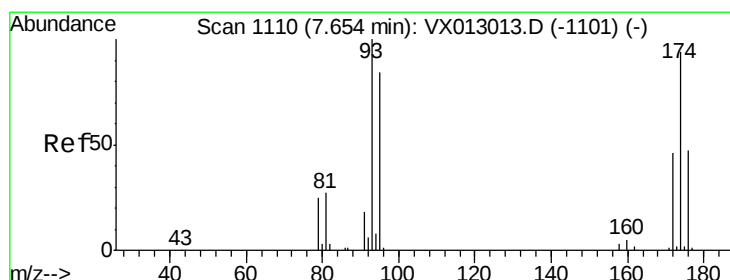
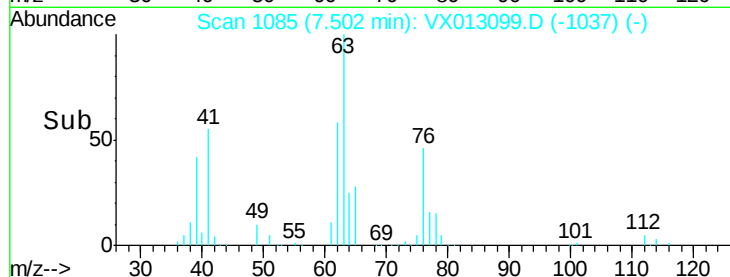
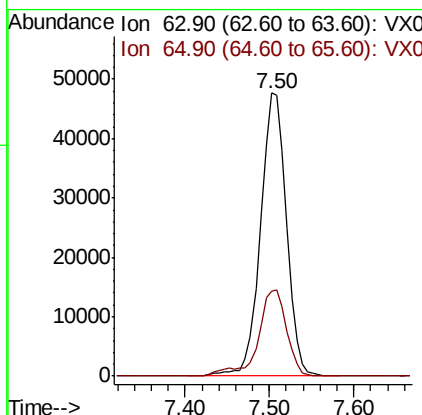
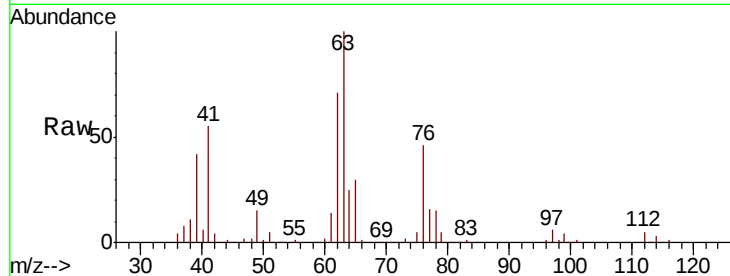
#45
 1,2-Dichloropropane
 Concen: 54.029 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 101177
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 37.0

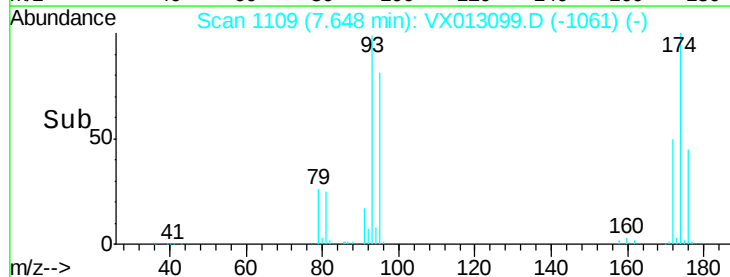
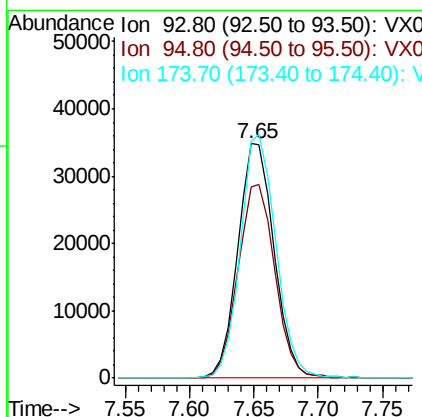
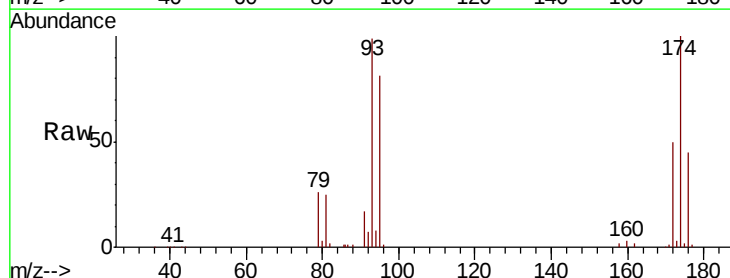
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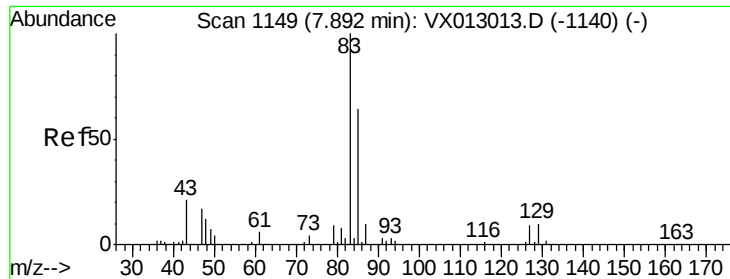
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#46
 Dibromomethane
 Concen: 54.471 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion: 93 Resp: 67962
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.3 99.5
 174 101.7 77.8 116.6





#47

Bromodichloromethane

Concen: 58.173 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

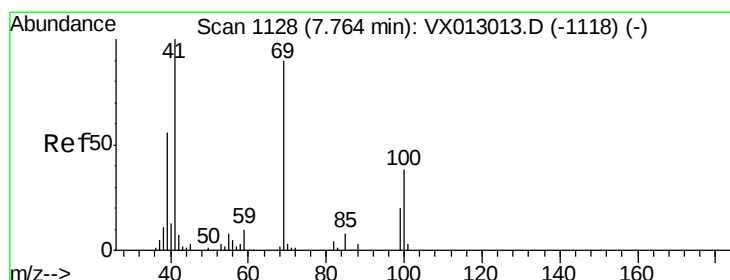
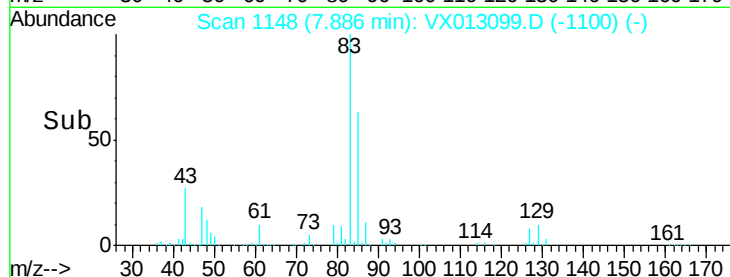
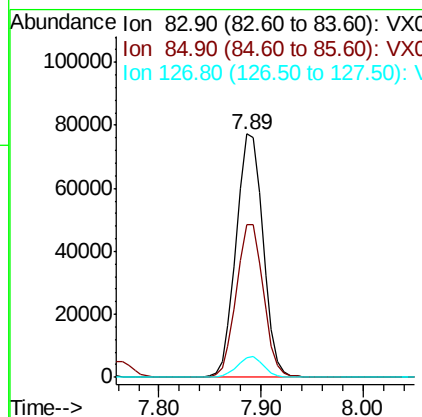
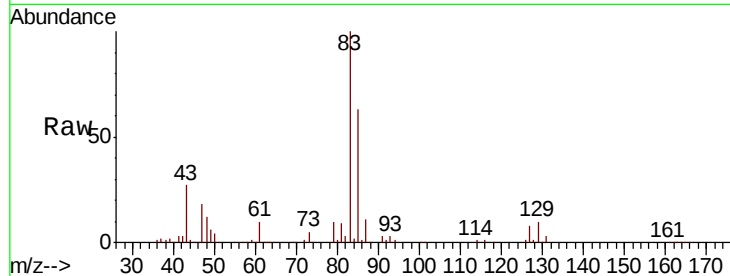
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	141643
Ion Ratio	Lower	Upper	
83	100		
85	62.9	52.4	78.6
127	8.0	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.853 ug/l

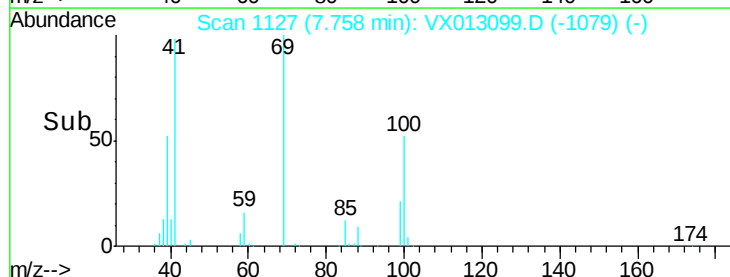
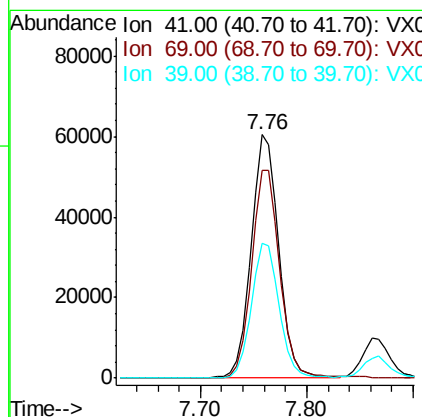
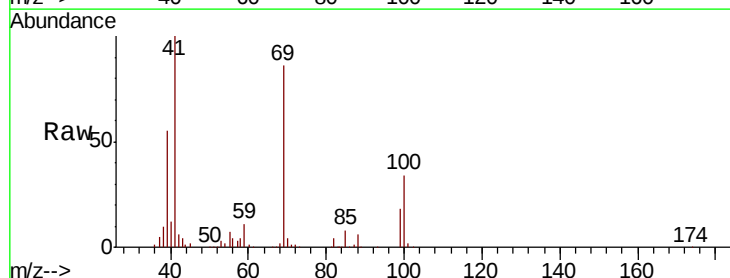
RT: 7.76 min Scan# 1127

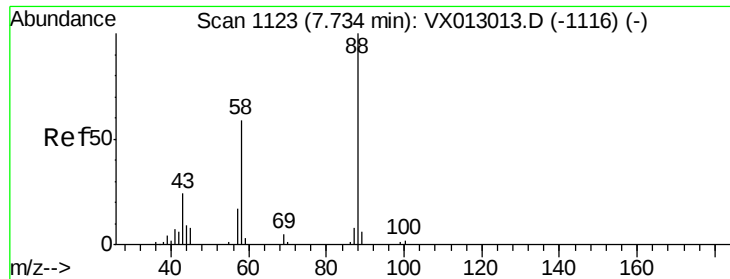
Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Tgt Ion:	41	Resp:	110643
Ion Ratio	Lower	Upper	
41	100		
69	86.5	68.7	103.1
39	55.7	44.3	66.5





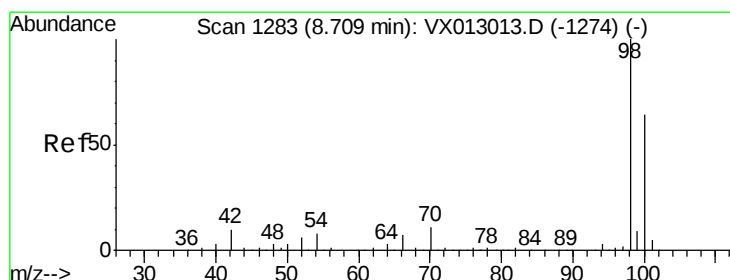
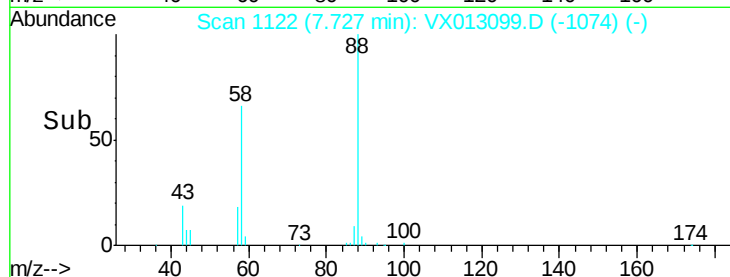
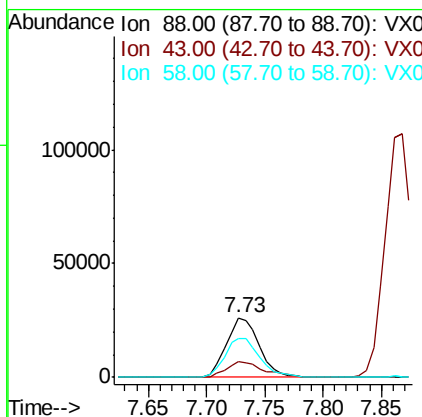
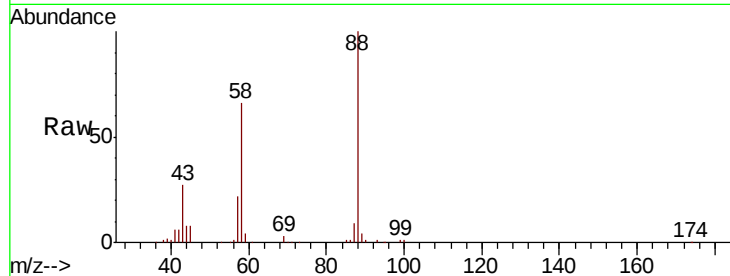
#49
1,4-Dioxane
Concen: 879.447 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.0	37.6
58	69.8	55.4	83.2

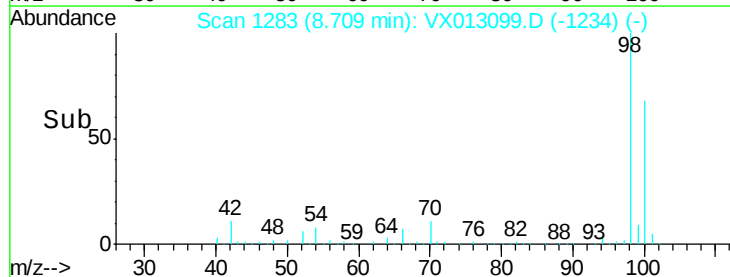
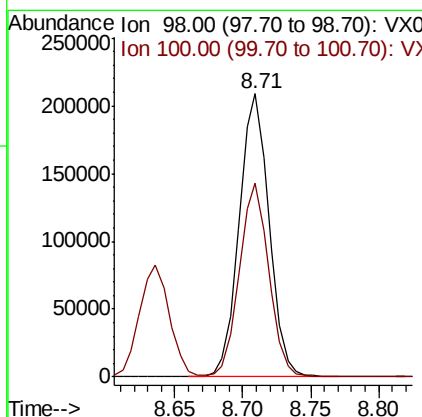
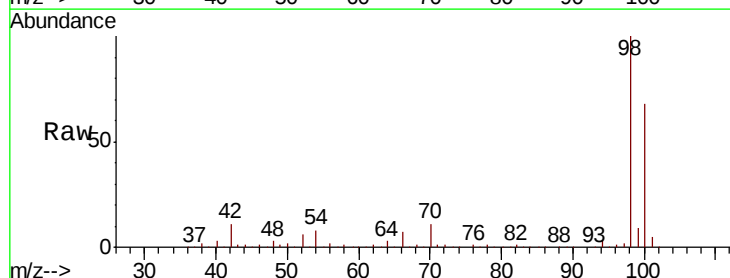
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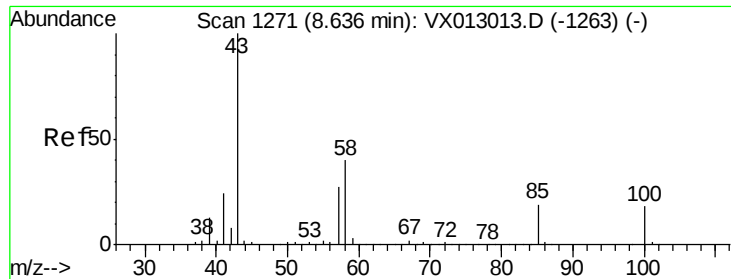
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#50
Toluene-d8
Concen: 50.720 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 250.718 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 697929

Ion Ratio Lower Upper

43 100

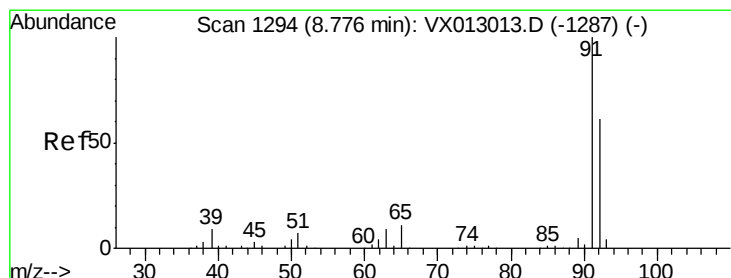
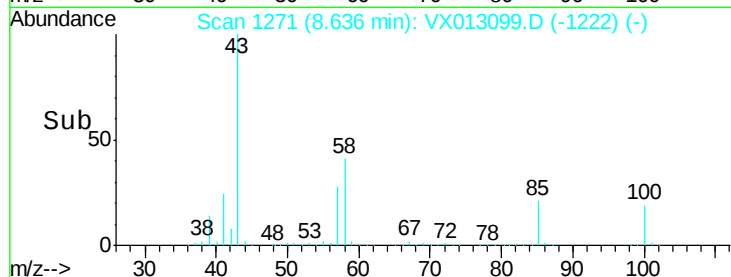
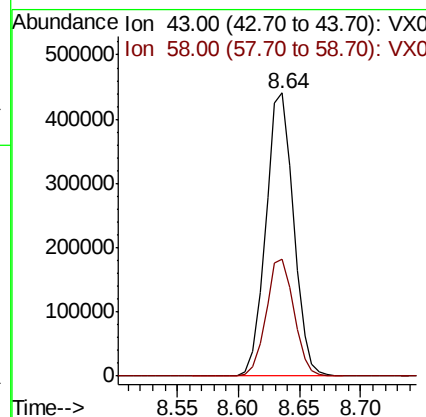
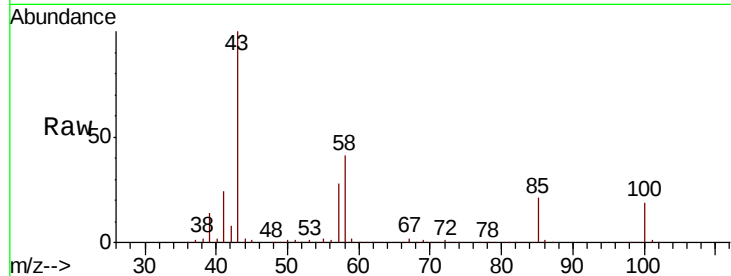
58 41.5 32.4 48.6

Manual Integrations

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#52

Toluene

Concen: 53.935 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013099.D

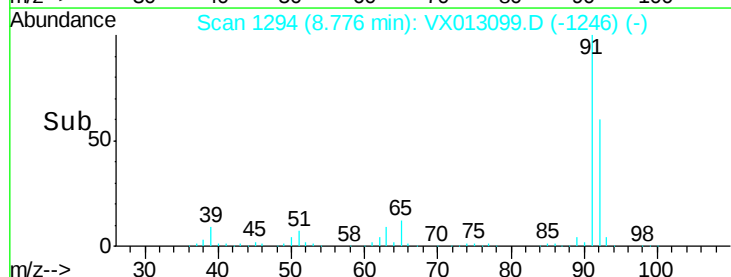
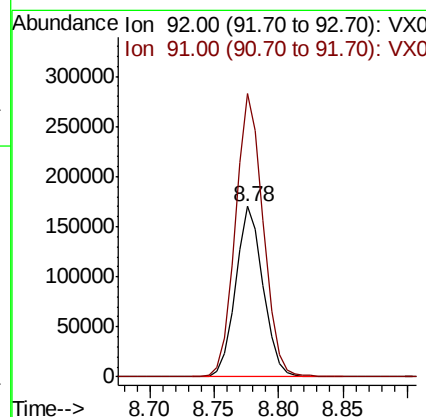
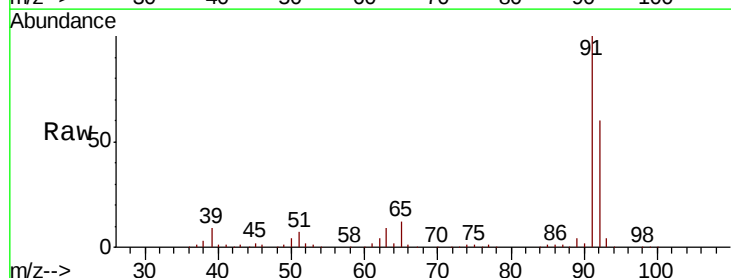
Acq: 17 Oct 2019 11:05

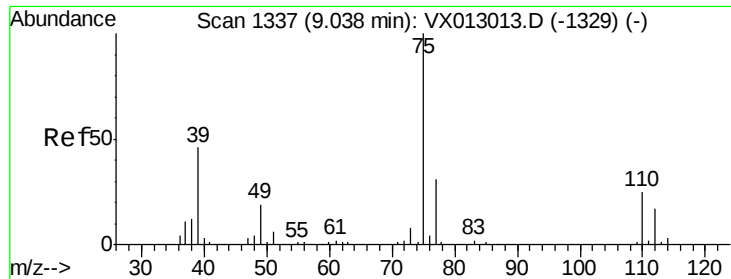
Tgt Ion: 92 Resp: 253531

Ion Ratio Lower Upper

92 100

91 168.6 135.9 203.9





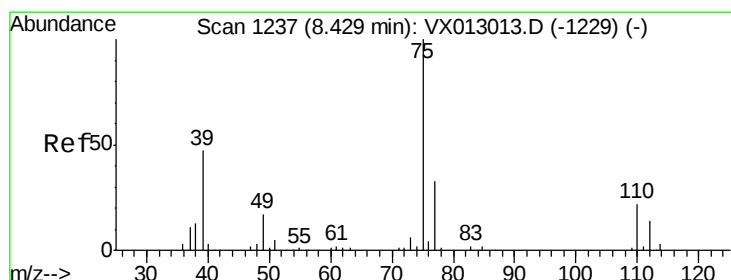
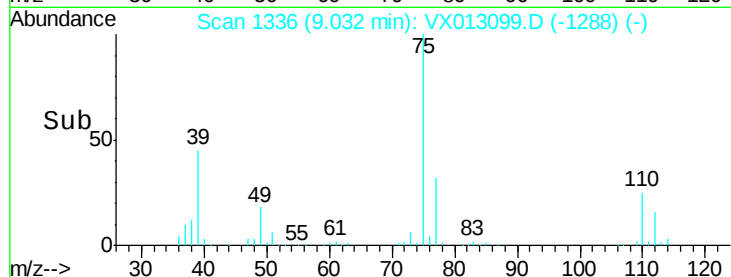
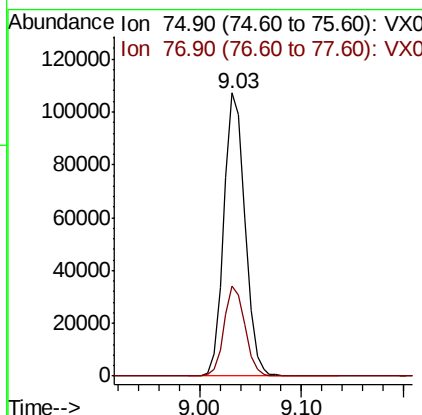
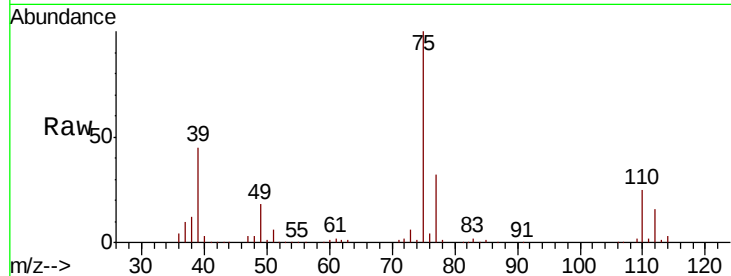
#53
t-1,3-Dichloropropene
Concen: 50.934 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 154897
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.6

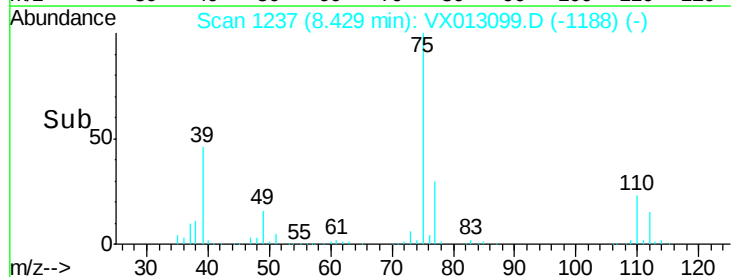
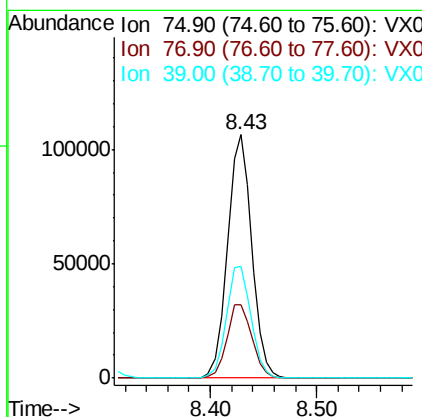
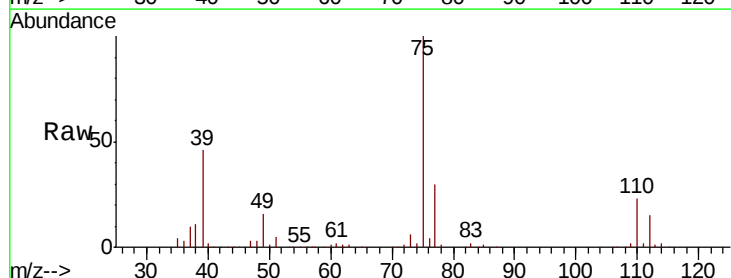
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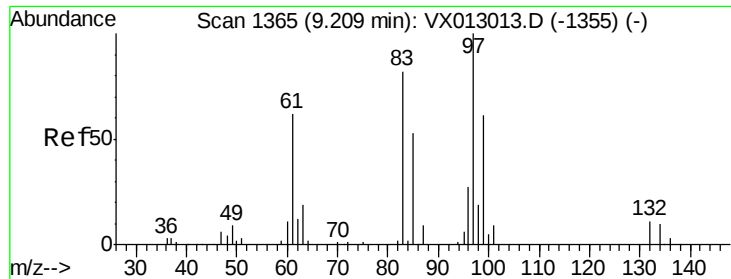
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#54
cis-1,3-Dichloropropene
Concen: 56.647 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion: 75 Resp: 169639
Ion Ratio Lower Upper
75 100
77 30.4 25.8 38.8
39 46.1 38.2 57.2





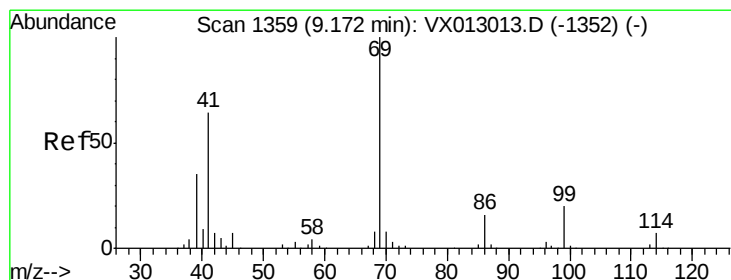
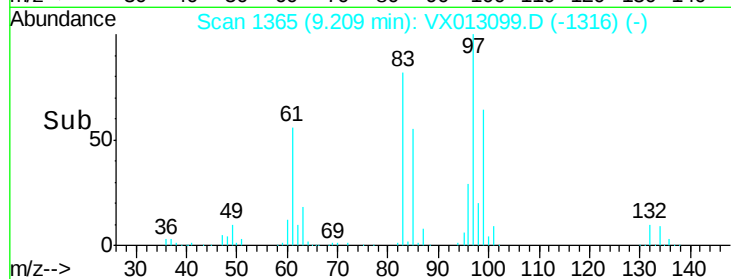
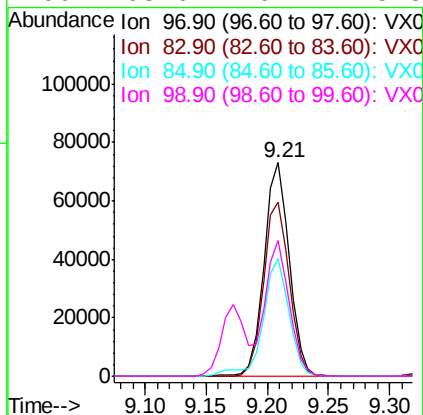
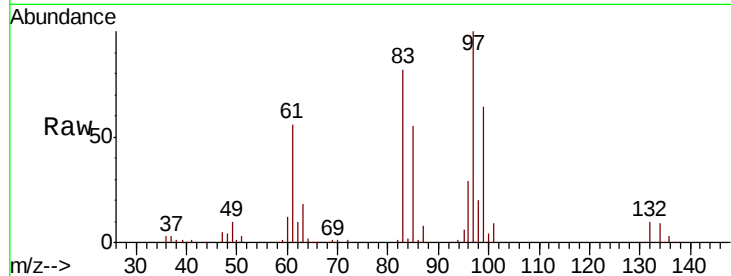
#55
 1,1,2-Trichloroethane
 Concen: 56.499 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	105102
Ion Ratio	Lower	Upper	
97	100		
83	81.5	66.5	99.7
85	55.1	43.1	64.7
99	63.6	49.2	73.8

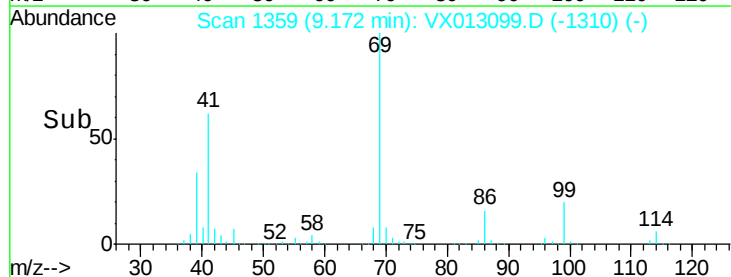
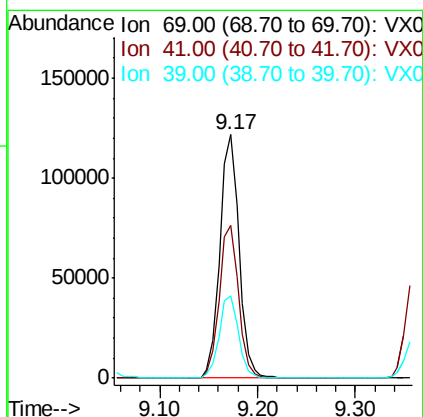
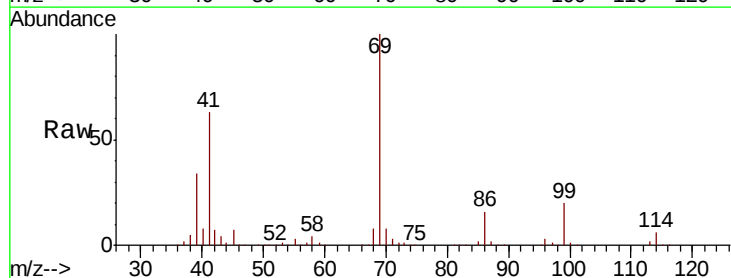
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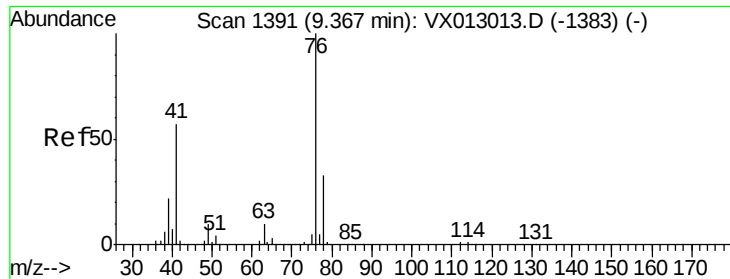
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#56
 Ethyl methacrylate
 Concen: 49.873 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion:	69	Resp:	166118
Ion Ratio	Lower	Upper	
69	100		
41	62.9	52.1	78.1
39	34.3	27.8	41.8





#57

1,3-Dichloropropane

Concen: 53.659 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 172670

Ion Ratio Lower Upper

76 100

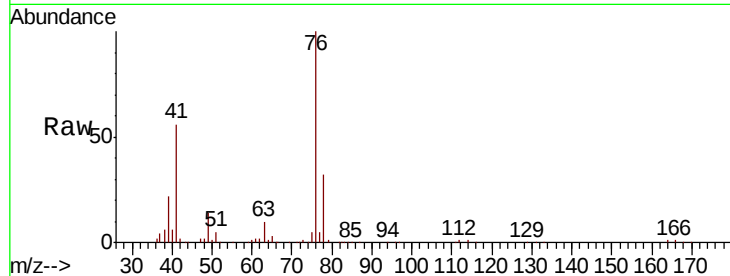
78 32.6 26.1 39.1

Manual Integrations

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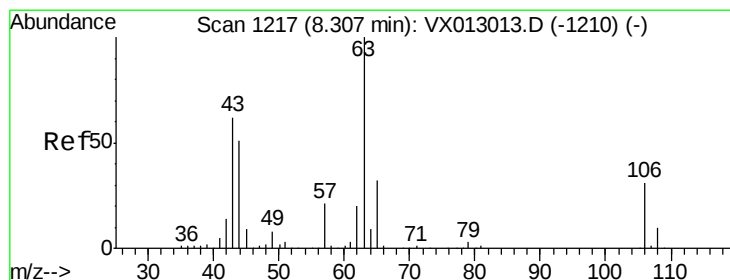
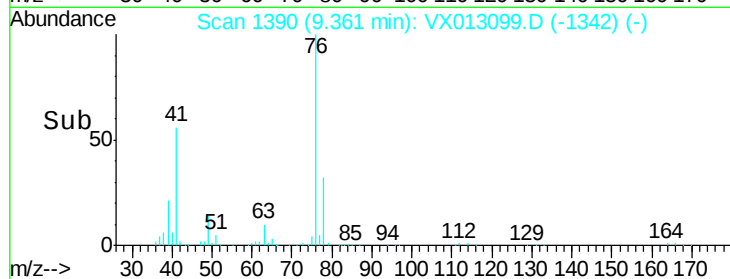
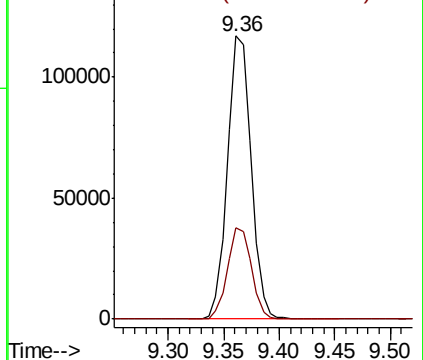
MMDadoda

10/18/2019 10:05:42 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 257.413 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013099.D

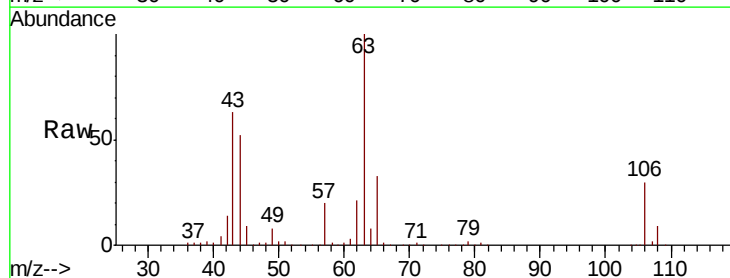
Acq: 17 Oct 2019 11:05

Tgt Ion: 63 Resp: 351776

Ion Ratio Lower Upper

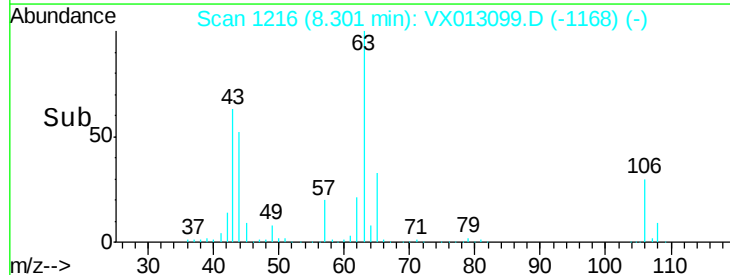
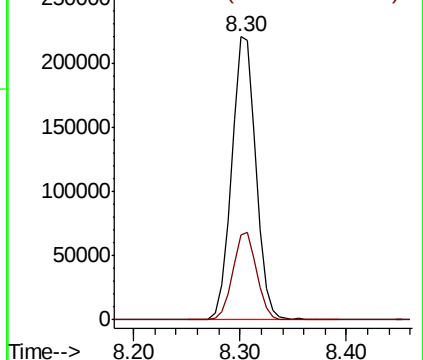
63 100

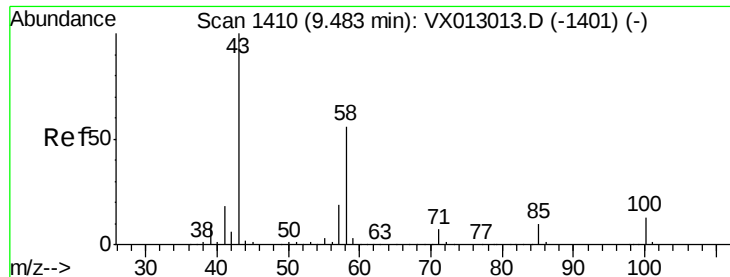
106 30.6 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





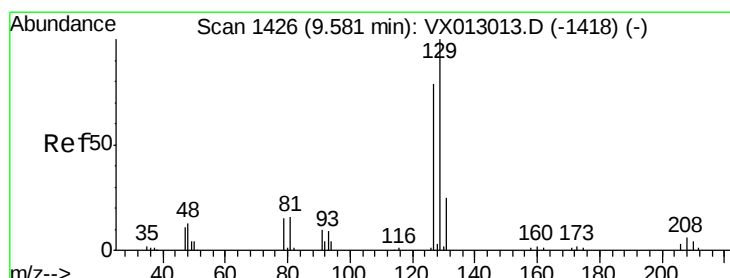
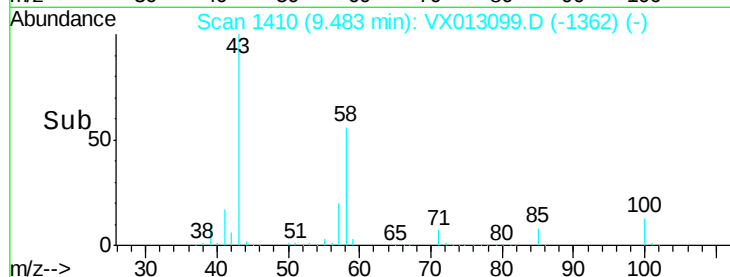
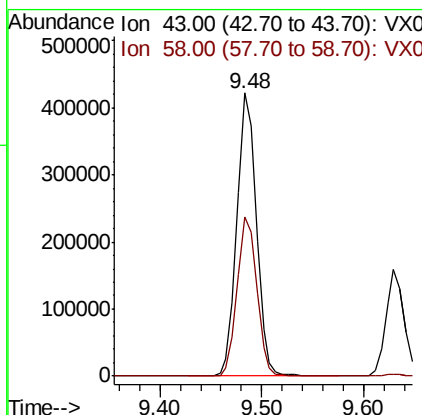
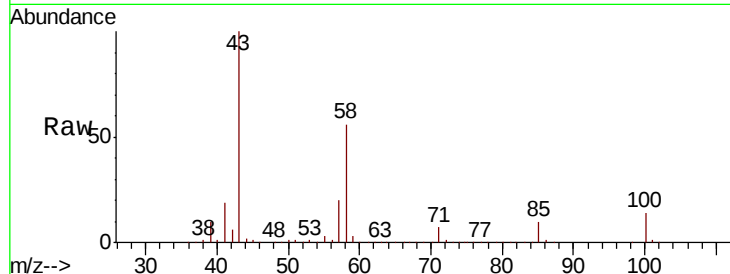
#59
2-Hexanone
Concen: 255.613 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.0	28.1	84.3

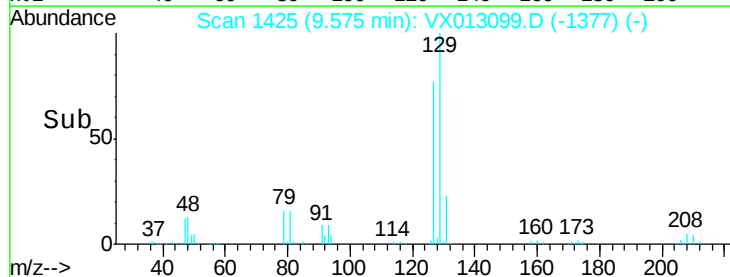
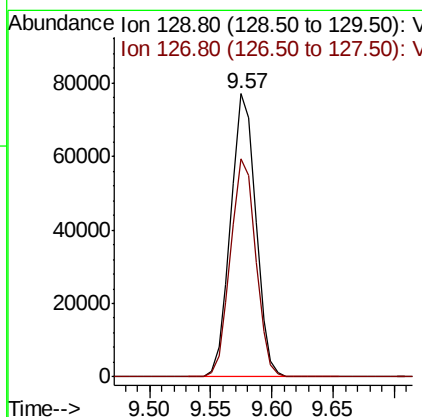
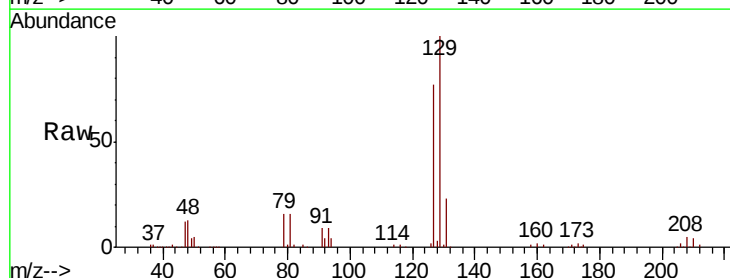
Manual Integrations
APPROVED

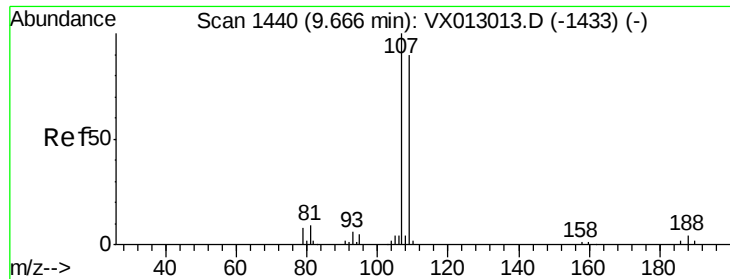
MMDadoda
10/18/2019 10:05:42 AM



#60
Dibromochloromethane
Concen: 52.818 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.9	116.7





#61

1,2-Dibromoethane

Concen: 54.516 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 106682

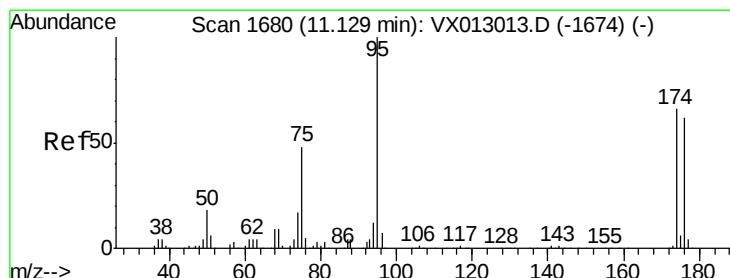
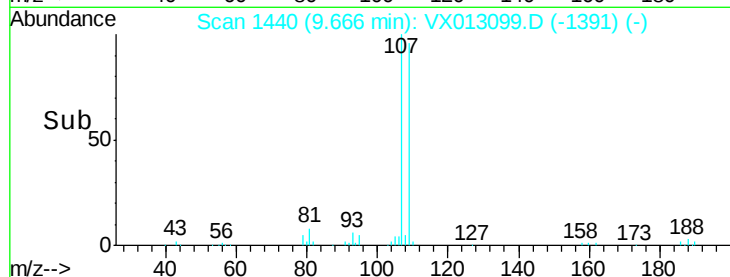
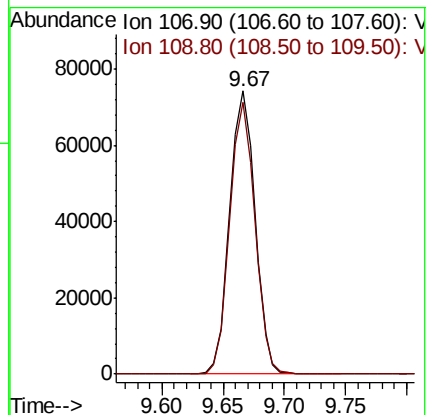
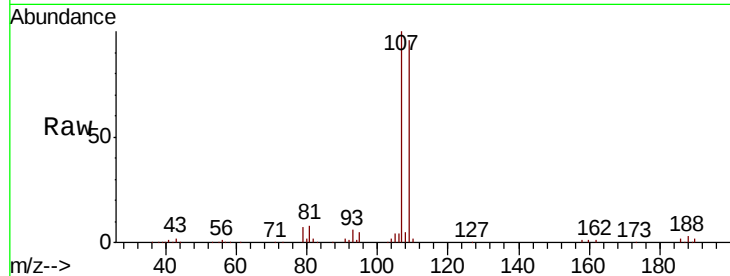
Ion Ratio Lower Upper

107 100

109 95.1 75.8 113.6

Manual Integrations
APPROVED

MMDadoda
10/18/2019 10:05:42 AM



#62

4-Bromofluorobenzene

Concen: 52.772 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

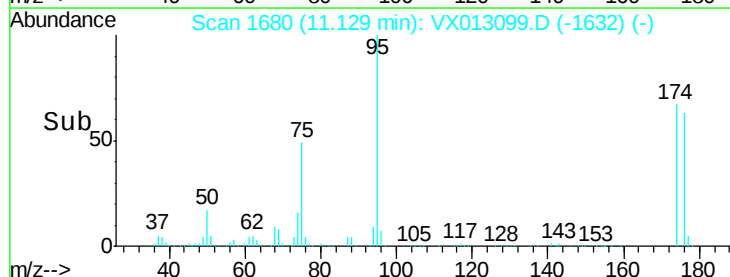
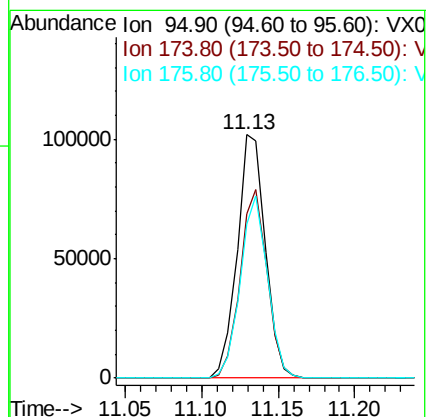
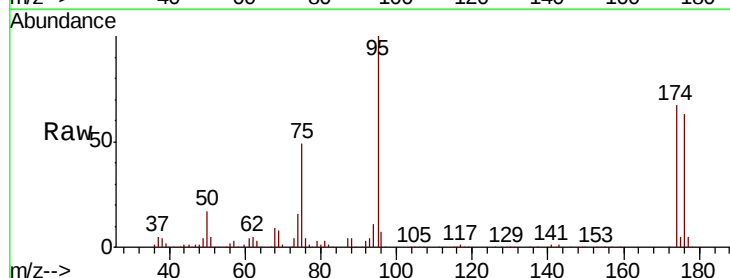
Tgt Ion: 95 Resp: 129878

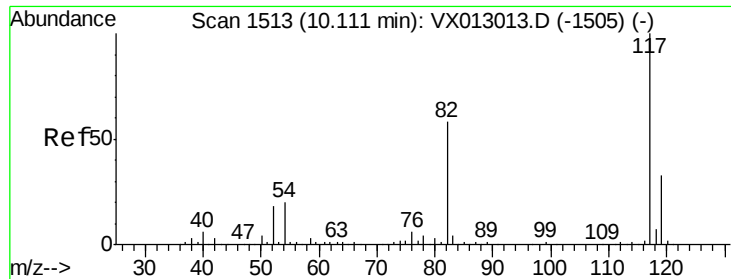
Ion Ratio Lower Upper

95 100

174 74.5 0.0 143.4

176 72.2 0.0 136.0





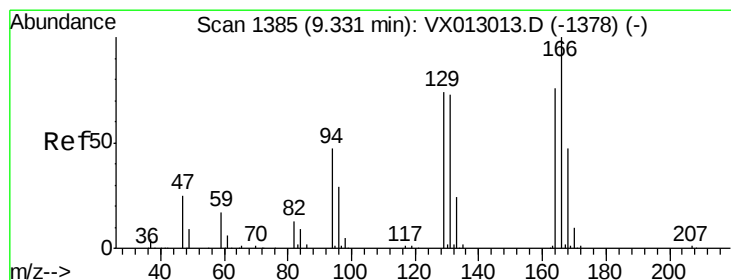
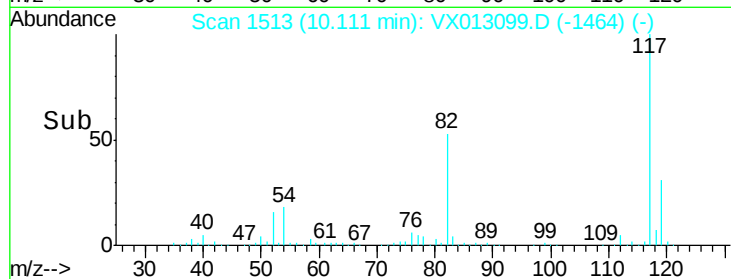
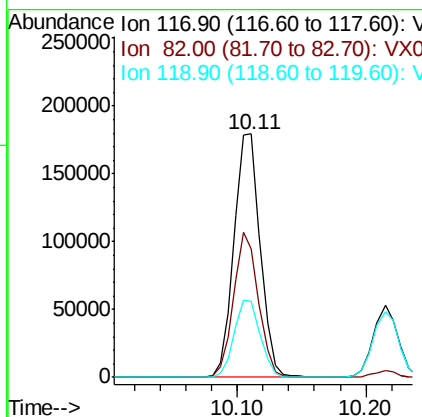
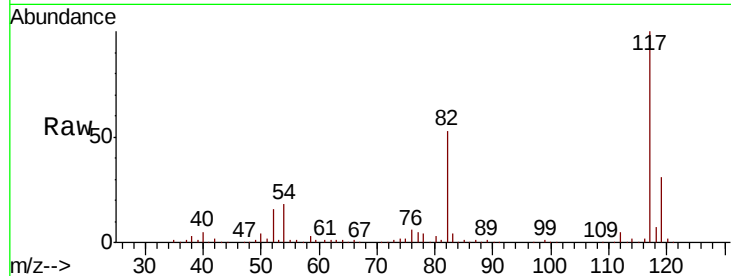
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	255276		
82	52.8		44.1	66.1
119	31.4		25.8	38.8

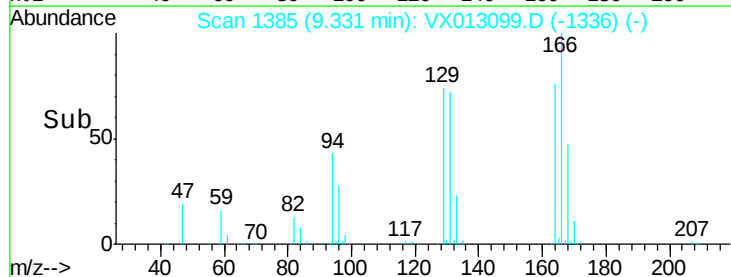
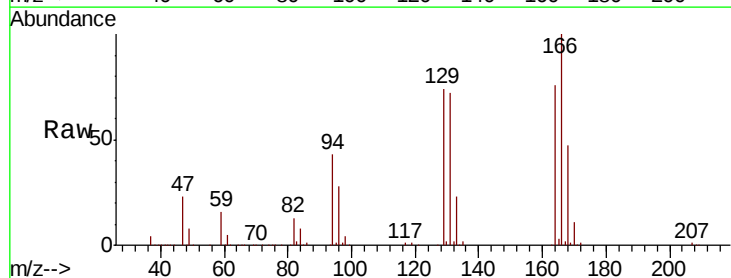
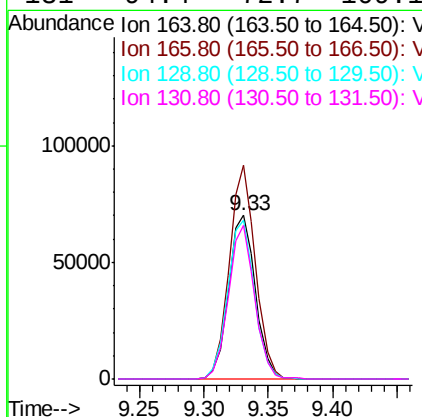
Manual Integrations
APPROVED

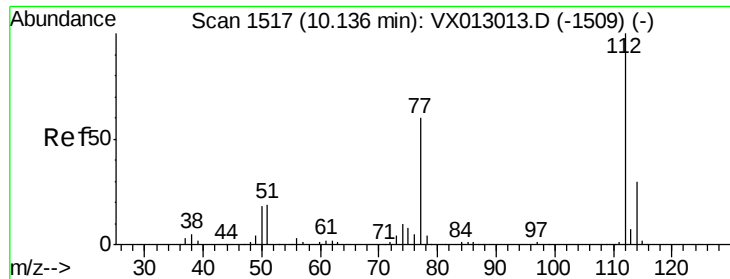
MMDadoda
10/18/2019 10:05:42 AM



#64
Tetrachloroethene
Concen: 58.057 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	102795		
166	130.8		96.9	145.3
129	96.8		77.9	116.9
131	94.4		72.7	109.1





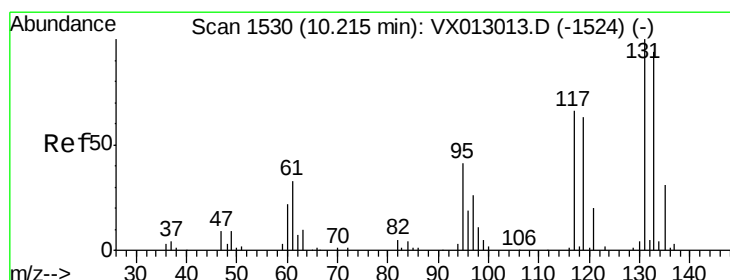
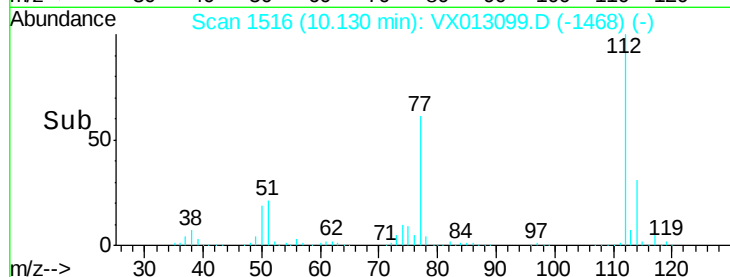
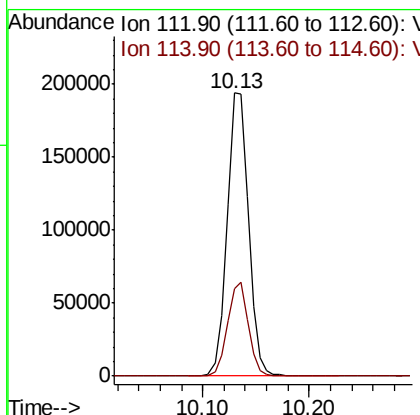
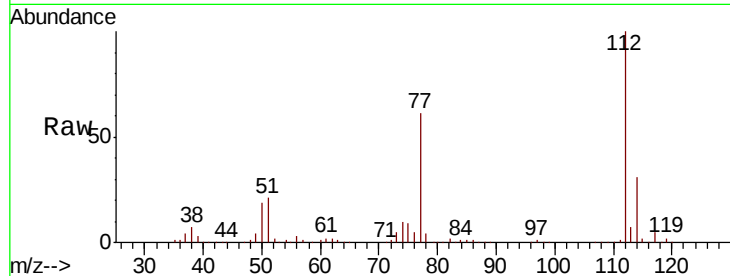
#65
Chlorobenzene
Concen: 54.153 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 274524
Ion Ratio Lower Upper
112 100
114 30.9 25.7 38.5

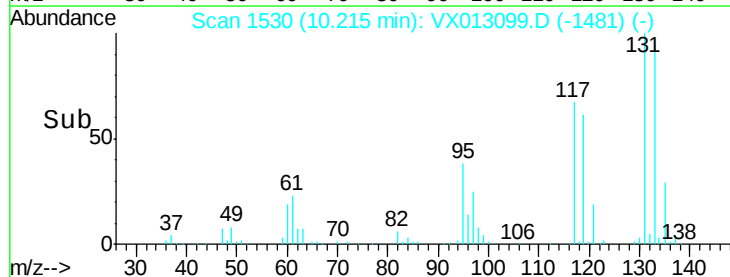
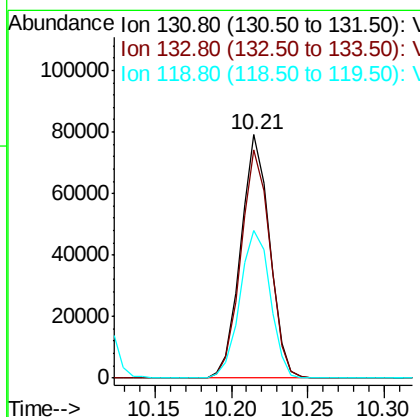
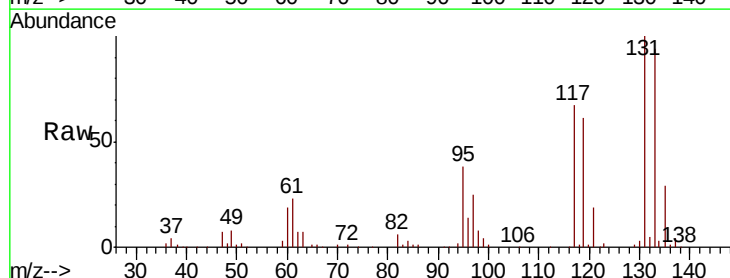
Manual Integrations
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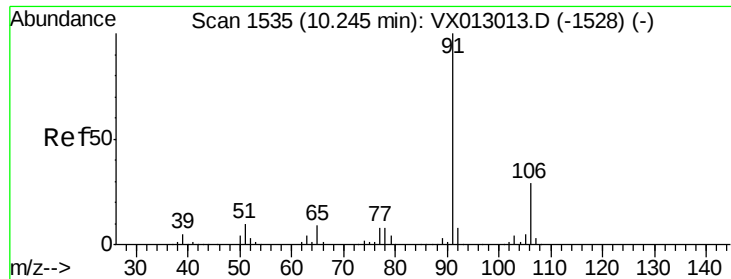
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 59.049 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion:131 Resp: 103789
Ion Ratio Lower Upper
131 100
133 94.8 47.2 141.6
119 63.8 32.6 98.0





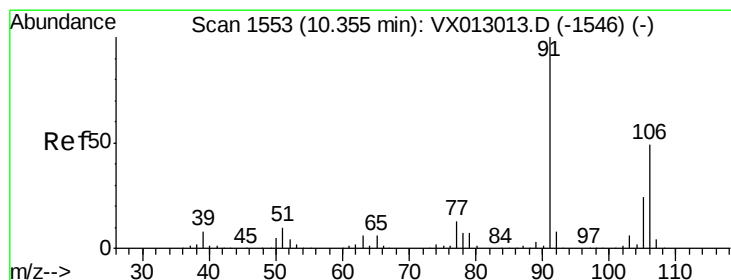
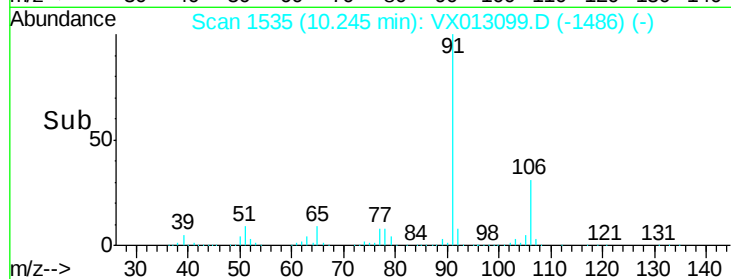
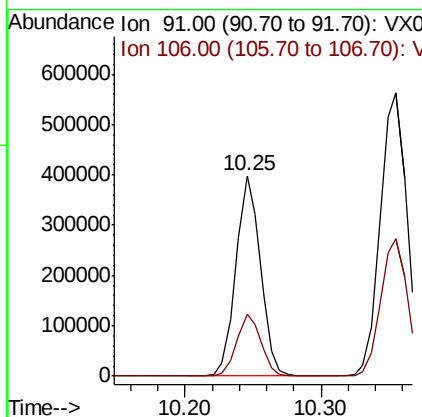
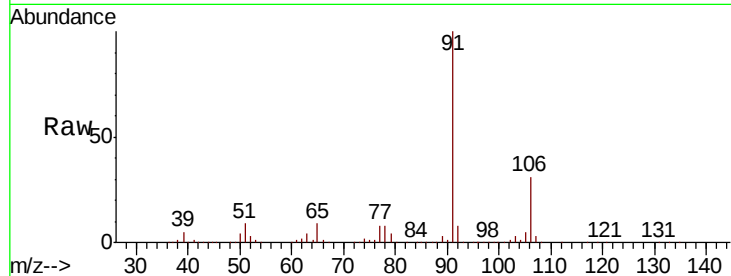
#67
Ethyl Benzene
Concen: 55.342 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 498336
Ion Ratio Lower Upper
91 100
106 30.7 23.9 35.9

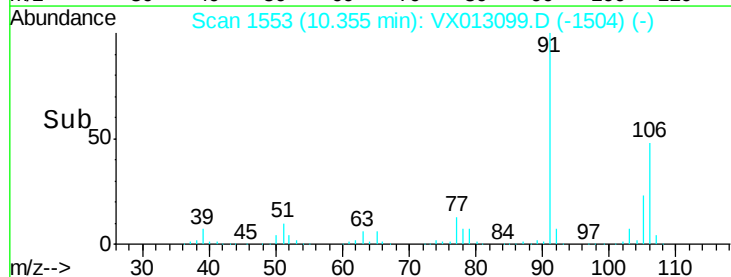
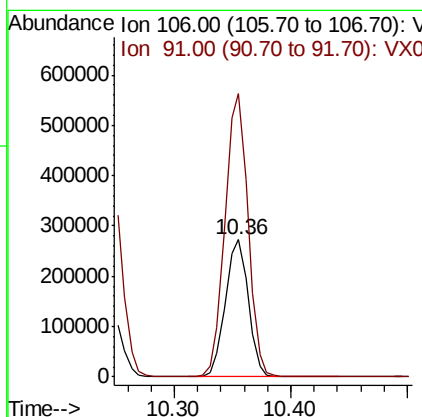
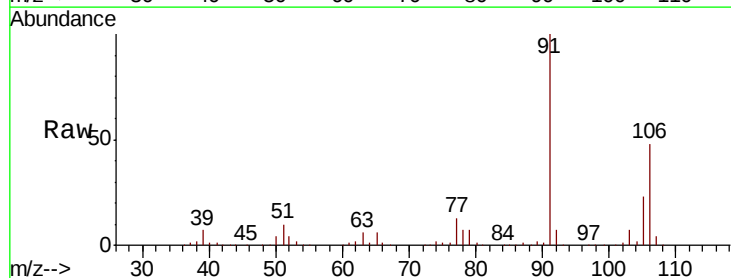
Manual Integrations
APPROVED

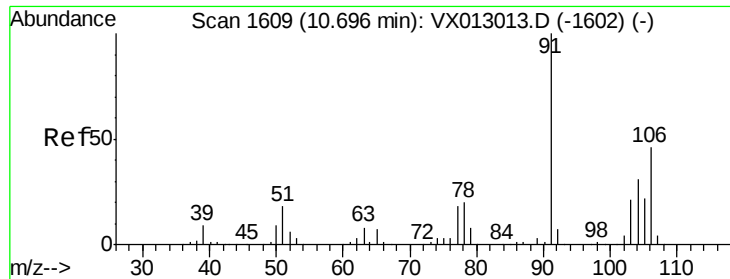
MMDadoda
10/18/2019 10:05:42 AM



#68
m/p-Xylenes
Concen: 110.792 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion: 106 Resp: 372703
Ion Ratio Lower Upper
106 100
91 206.5 165.3 247.9





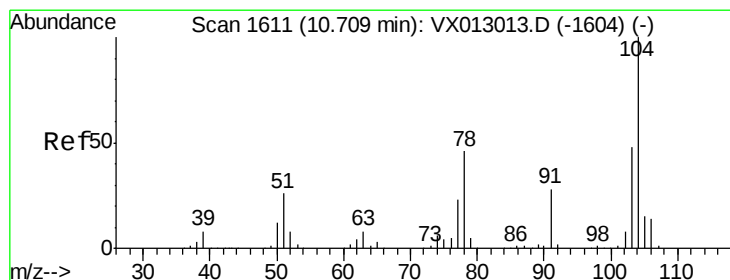
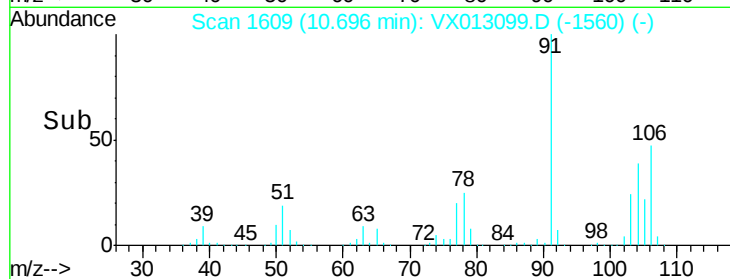
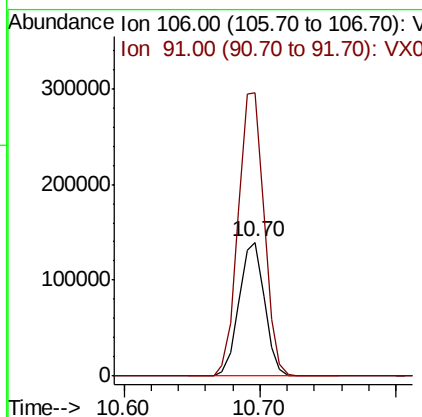
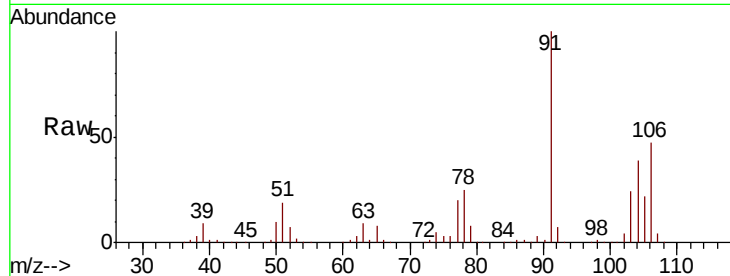
#69
o-Xylene
Concen: 55.675 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		182641		
91	215.0	109.1	327.3		

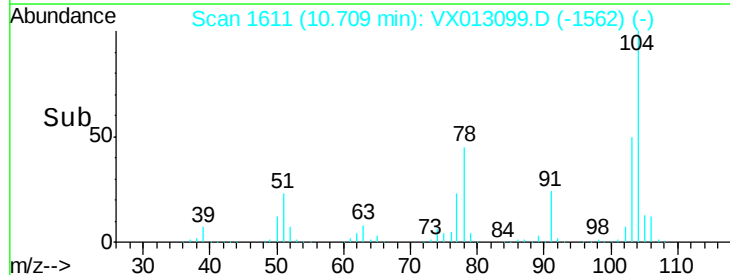
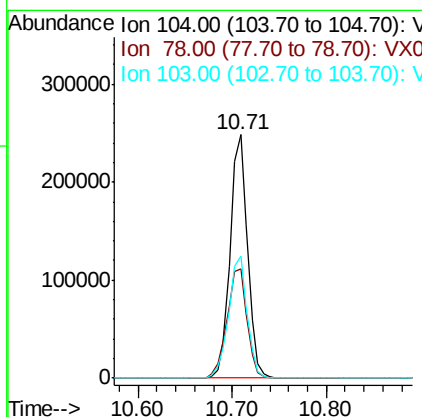
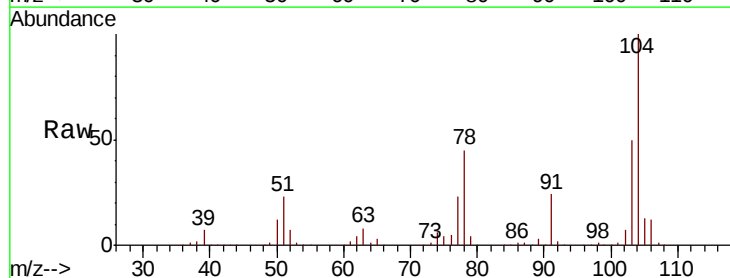
Manual Integrations
APPROVED

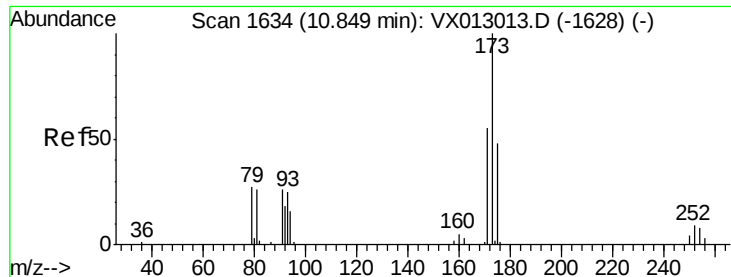
MMDadoda
10/18/2019 10:05:42 AM



#70
Styrene
Concen: 57.171 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		318834		
78	51.8	41.2	61.8		
103	53.8	43.0	64.4		





#71

Bromoform

Concen: 51.218 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

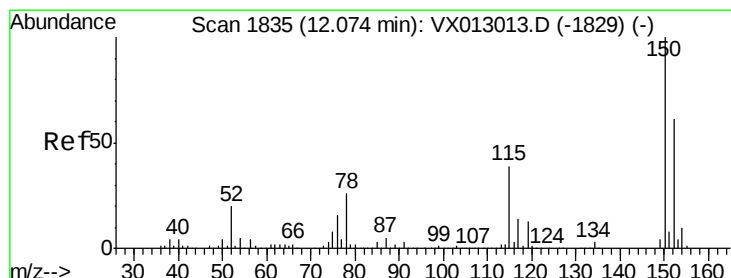
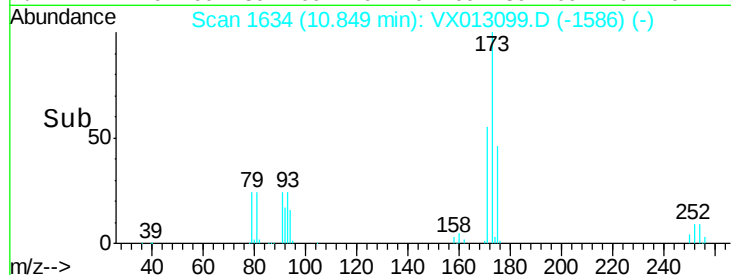
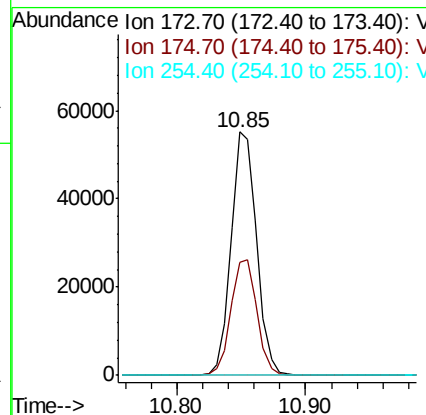
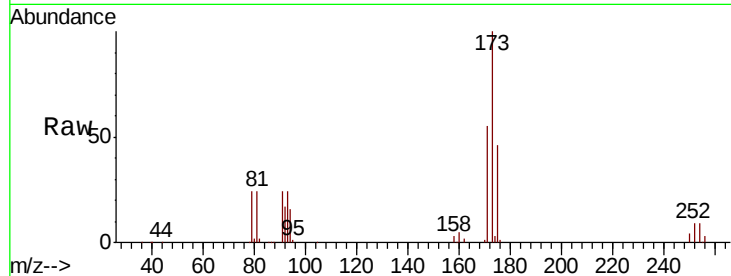
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.3
254	0.1	0.1	0.1

Manual Integrations
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10/18/2019 10:05:42 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

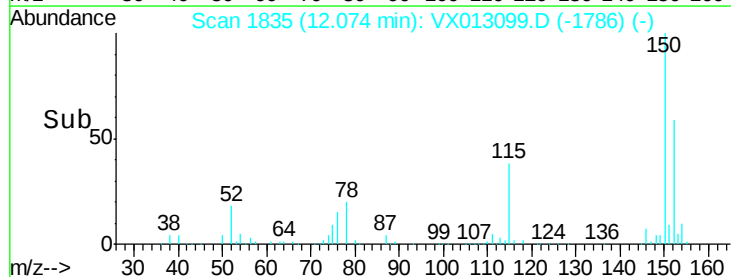
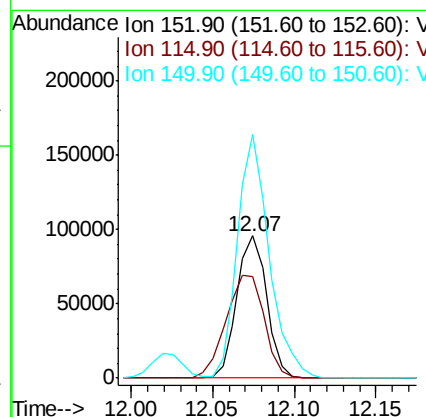
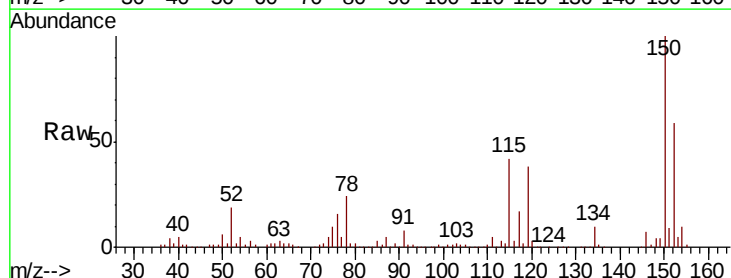
RT: 12.07 min Scan# 1835

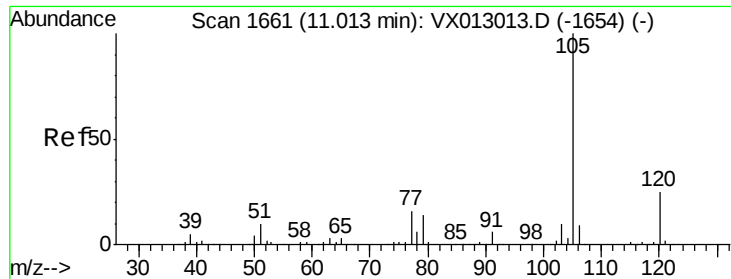
Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	92.0	44.5	133.5
150	181.8	0.0	353.4





#73

Isopropylbenzene

Concen: 55.265 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 497439

Ion Ratio Lower Upper

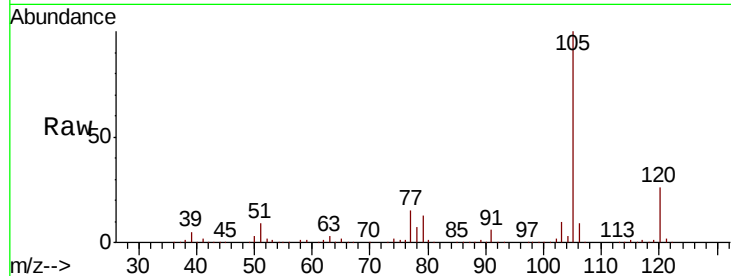
105 100

120 25.6 13.0 39.0

Manual Integrations
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MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

400000

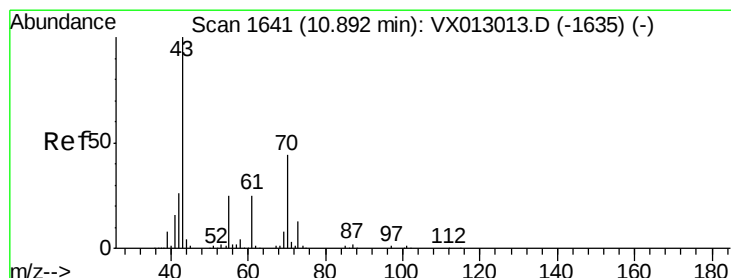
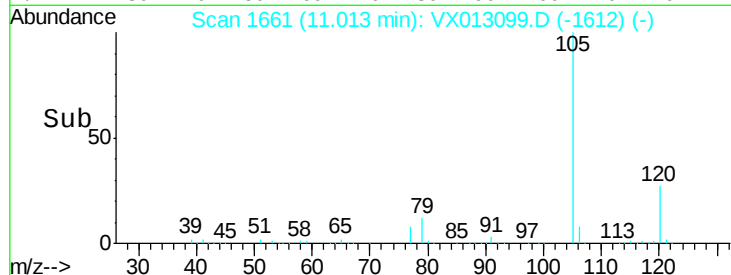
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 51.892 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Tgt Ion: 43 Resp: 201161

Ion Ratio Lower Upper

43 100

70 45.4 36.4 54.6

55 25.3 20.2 30.2

61 25.3 20.5 30.7

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

250000

200000

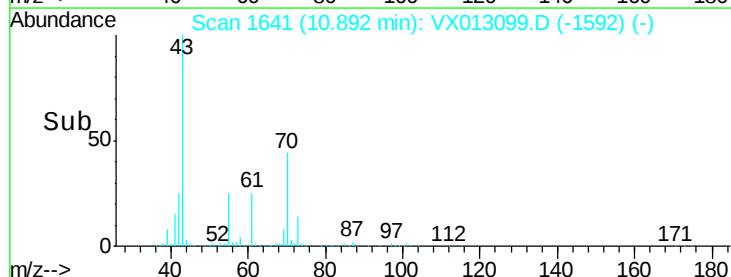
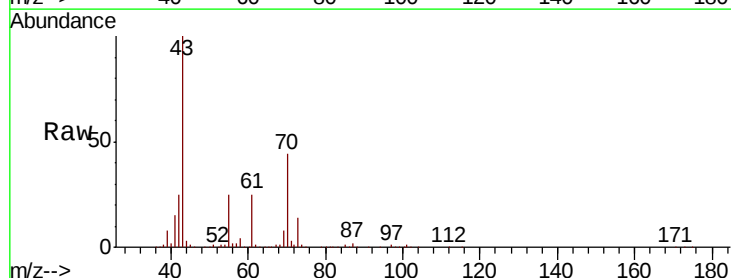
150000

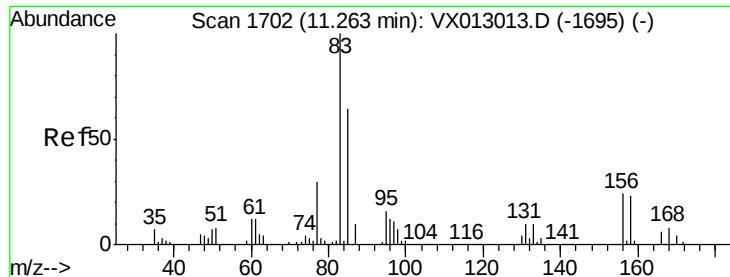
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.965 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

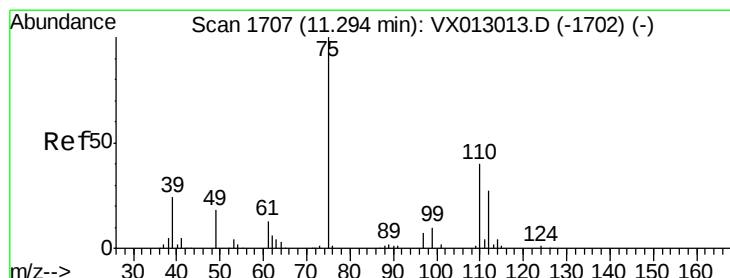
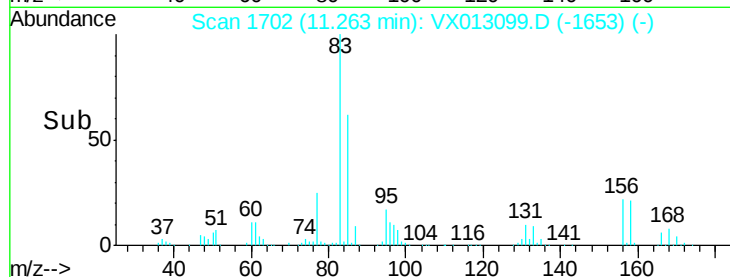
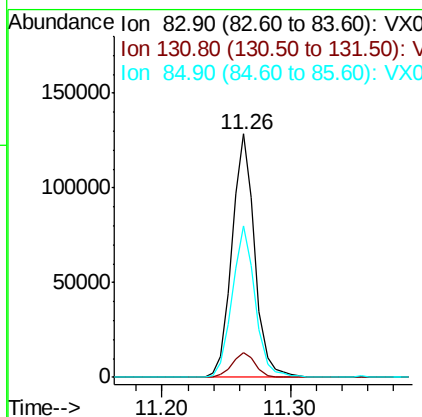
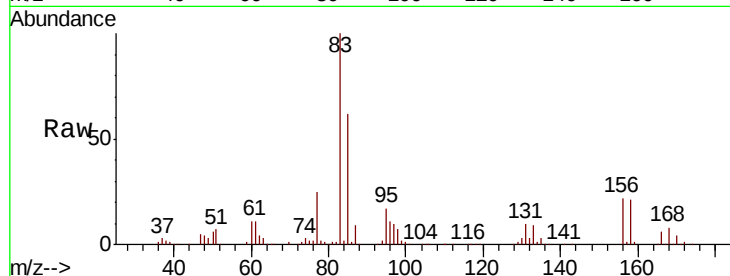
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	158564
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	63.0	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 47.579 ug/l m

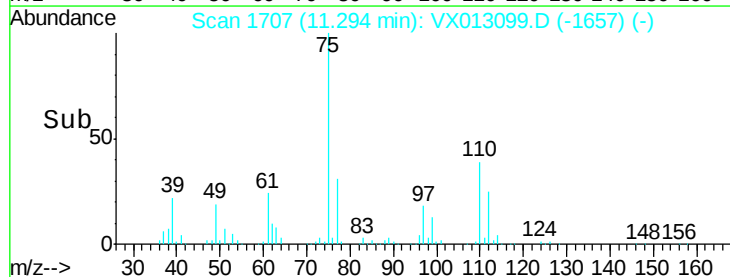
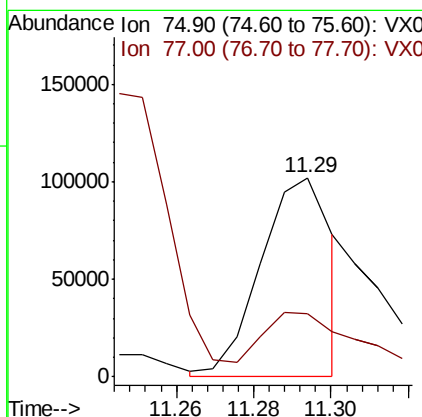
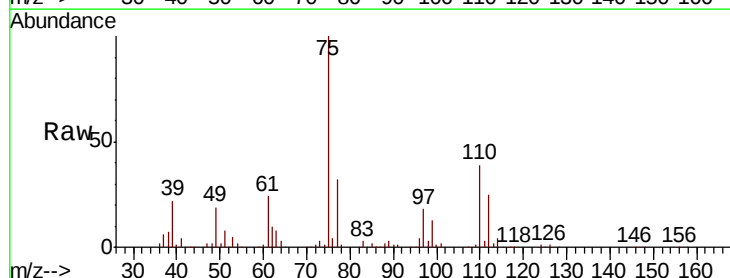
RT: 11.29 min Scan# 1707

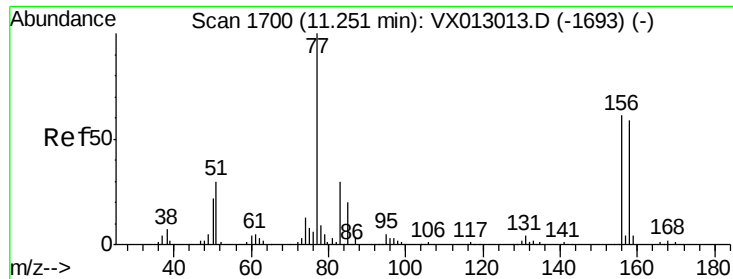
Delta R.T. 0.01 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Tgt Ion:	75	Resp:	129197
Ion Ratio	Lower	Upper	
75	100		
77	44.6	22.9	68.8





#77

Bromobenzene

Concen: 54.761 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

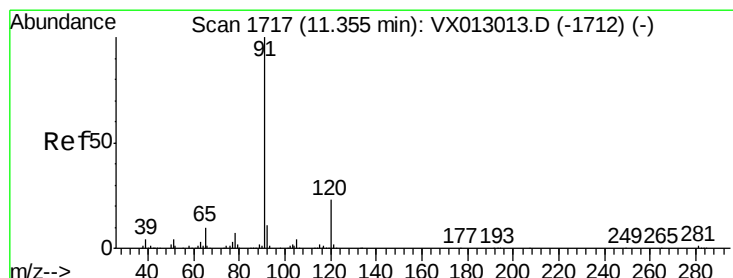
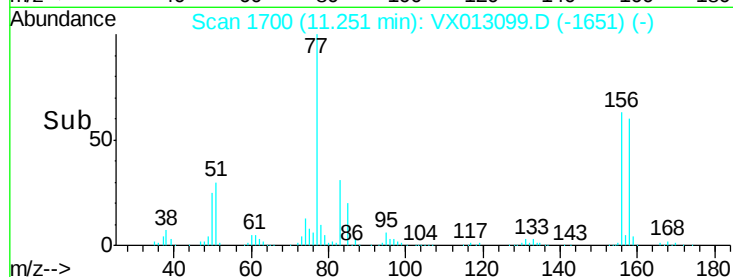
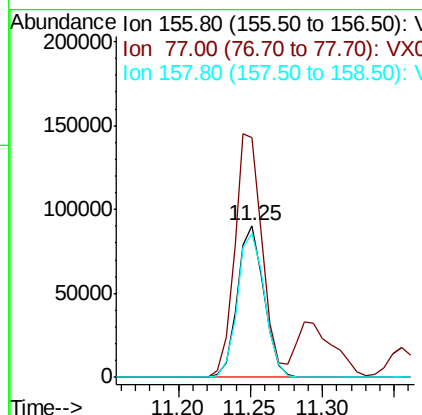
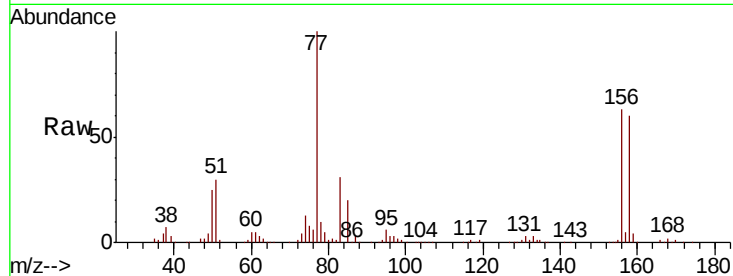
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	116151
Ion Ratio	Lower	Upper	
156	100		
77	167.5	83.7	251.0
158	97.6	48.6	145.9

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#78

n-propylbenzene

Concen: 53.441 ug/l

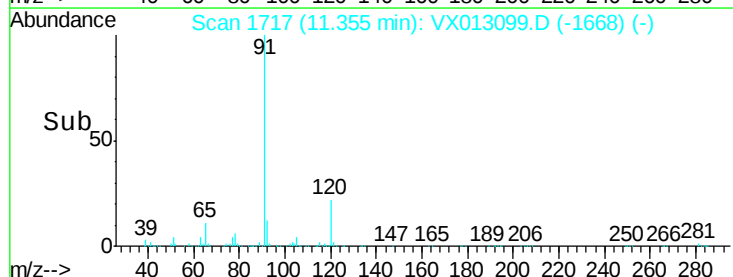
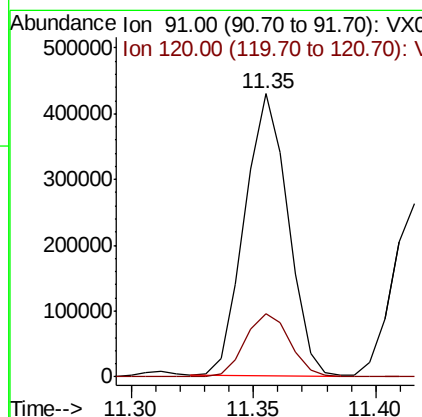
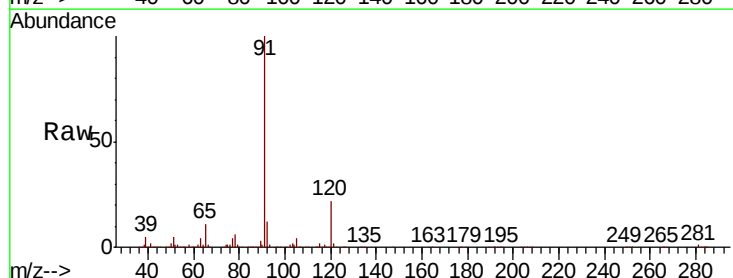
RT: 11.35 min Scan# 1717

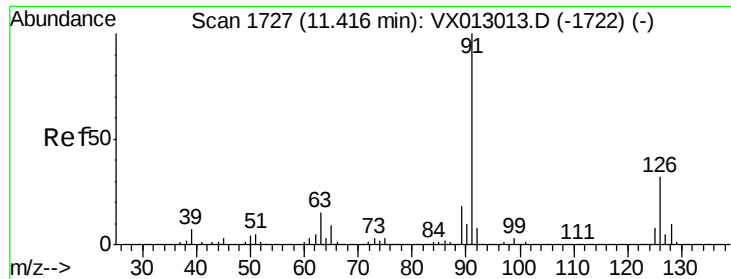
Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Tgt Ion:	91	Resp:	529302
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.7	35.1





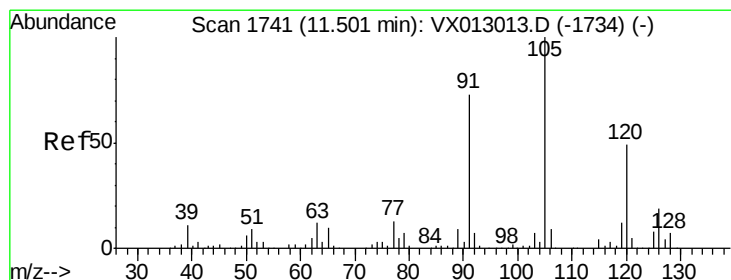
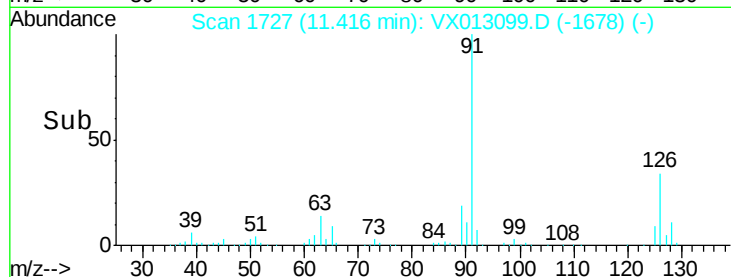
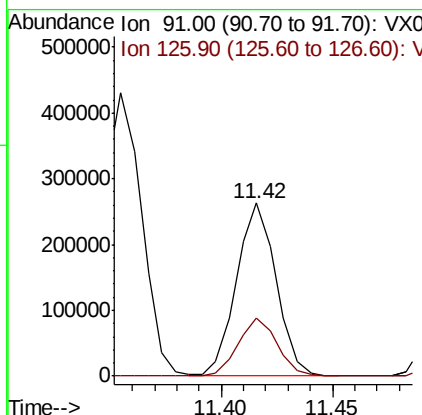
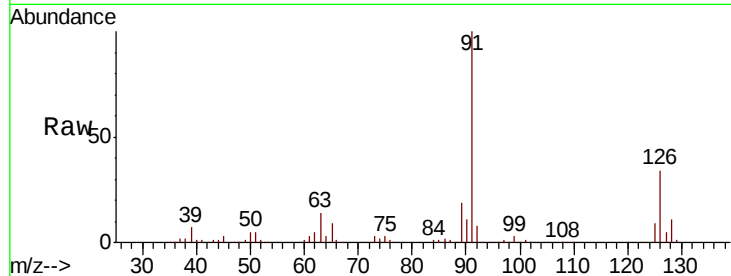
#79
2-Chlorotoluene
Concen: 52.113 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 324385
Ion Ratio Lower Upper
91 100
126 33.2 16.3 48.8

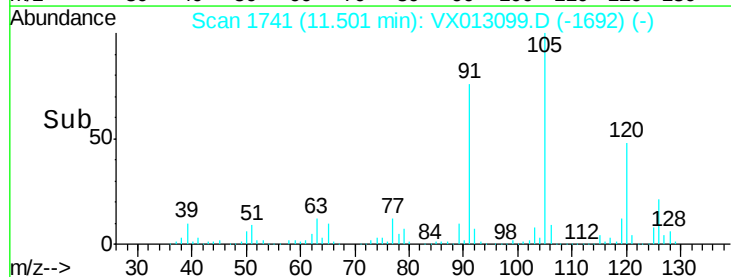
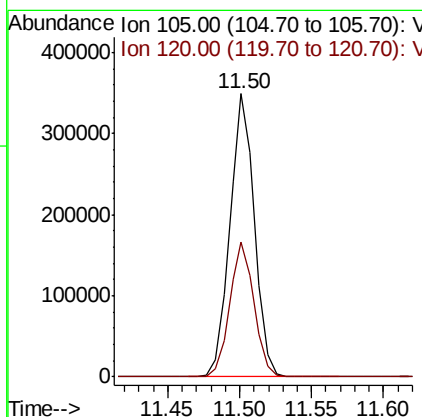
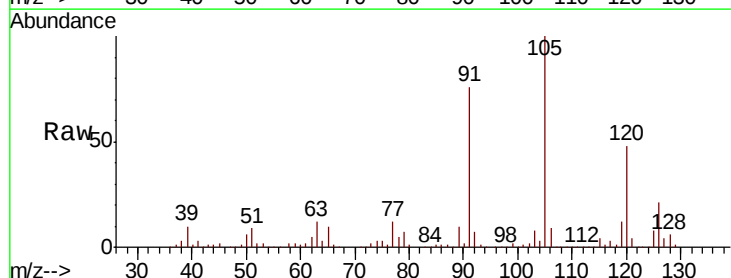
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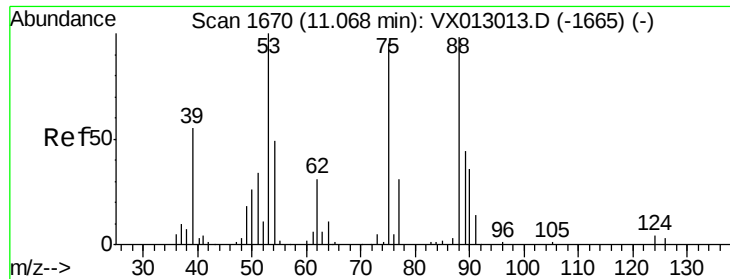
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#80
1,3,5-Trimethylbenzene
Concen: 55.311 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion: 105 Resp: 415711
Ion Ratio Lower Upper
105 100
120 47.5 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 50.079 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 52889

Ion Ratio Lower Upper

75 100

53 96.5 78.5 117.7

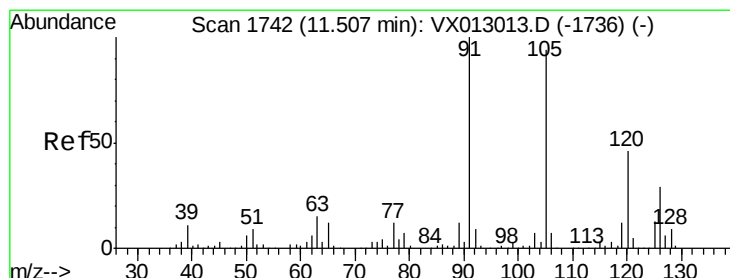
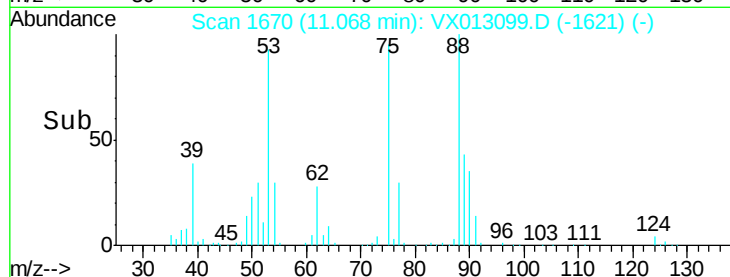
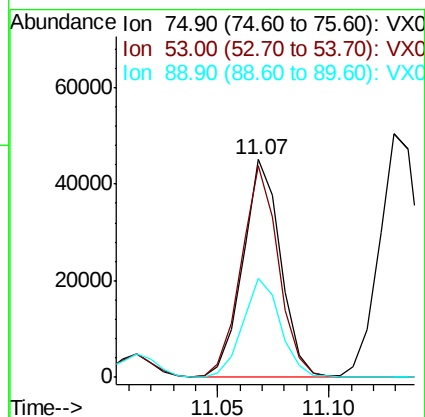
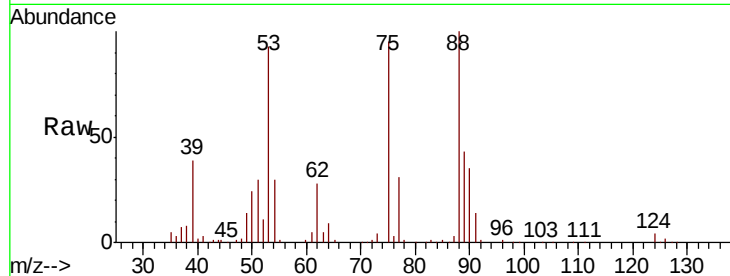
89 45.9 37.4 56.2

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10/18/2019 10:05:42 AM



#82

4-Chlorotoluene

Concen: 53.618 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013099.D

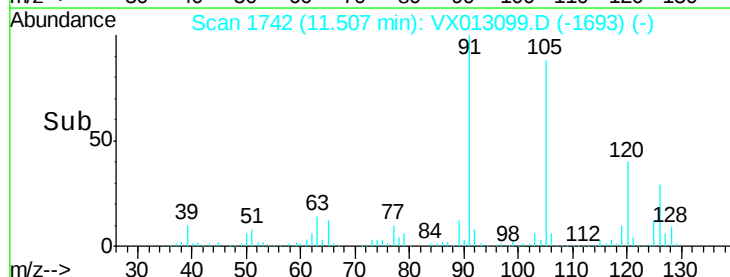
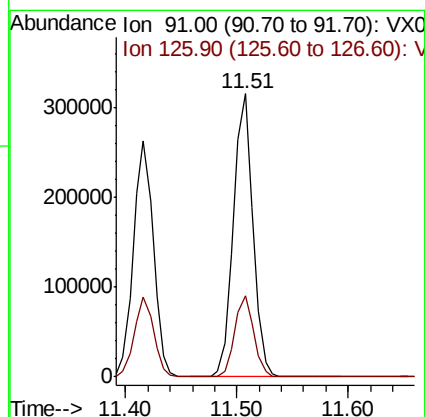
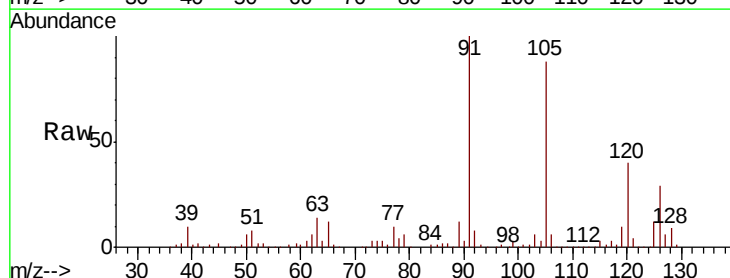
Acq: 17 Oct 2019 11:05

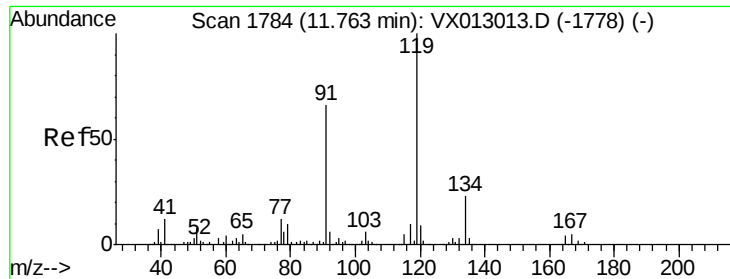
Tgt Ion: 91 Resp: 382545

Ion Ratio Lower Upper

91 100

126 28.1 14.2 42.6





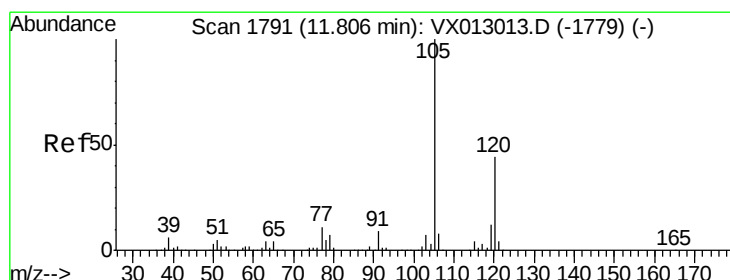
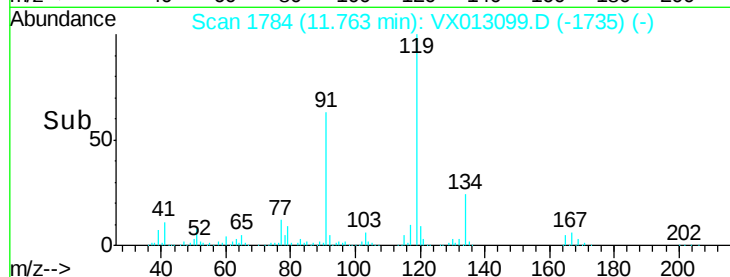
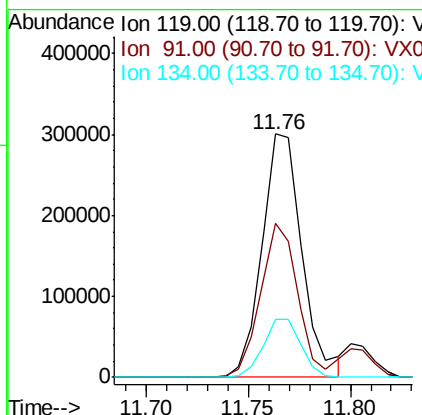
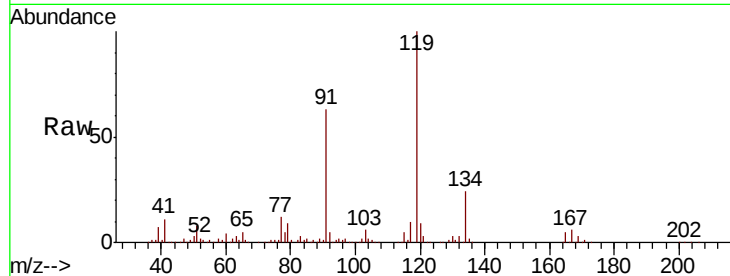
#83
tert-Butylbenzene
Concen: 56.247 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.4	29.3	87.9
134	22.8	11.5	34.4

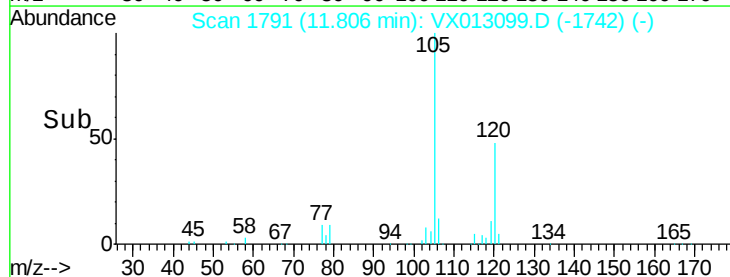
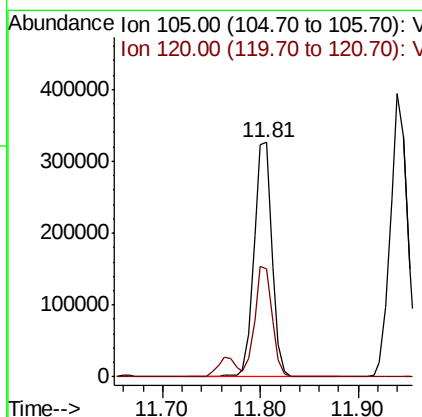
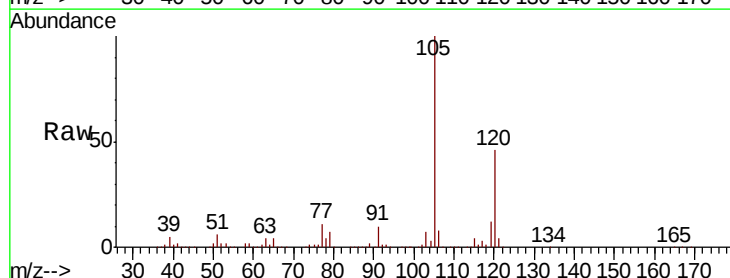
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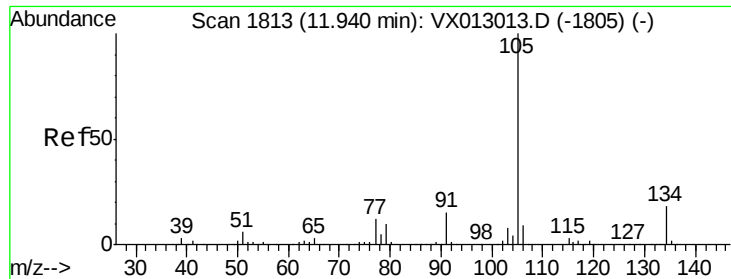
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#84
1,2,4-Trimethylbenzene
Concen: 54.432 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	21.8	65.3





#85

sec-Butylbenzene

Concen: 55.889 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 474725

Ion Ratio Lower Upper

105 100

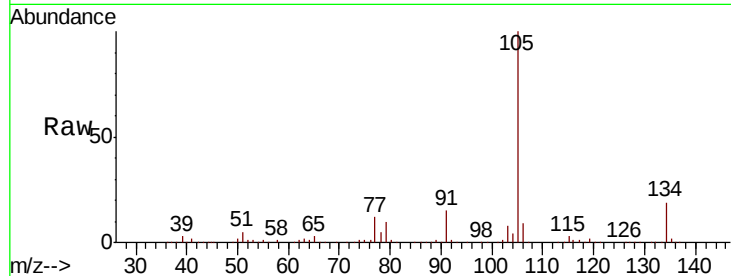
134 19.9 10.0 30.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

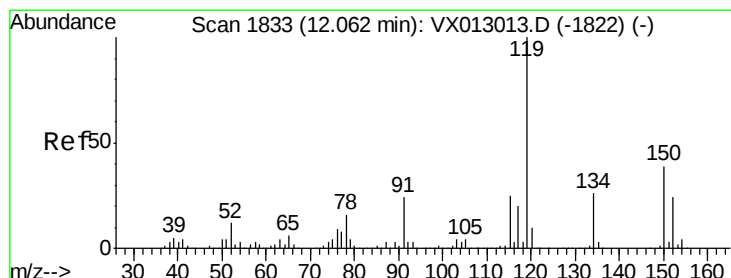
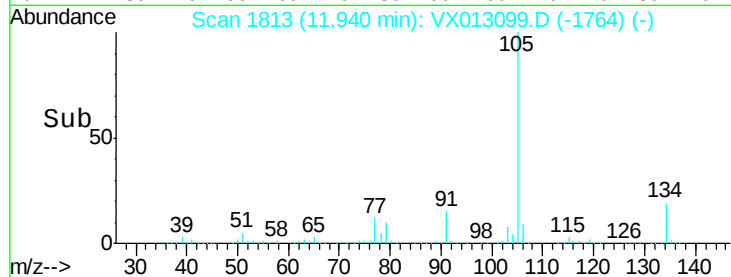
300000

200000

100000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 57.345 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013099.D

Acq: 17 Oct 2019 11:05

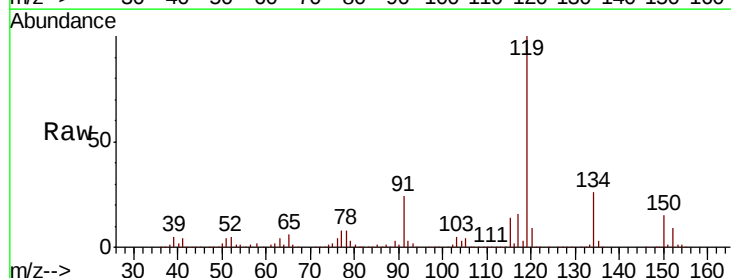
Tgt Ion:119 Resp: 451745

Ion Ratio Lower Upper

119 100

134 25.7 12.6 37.8

91 25.1 12.4 37.4



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): V

12.06

500000

400000

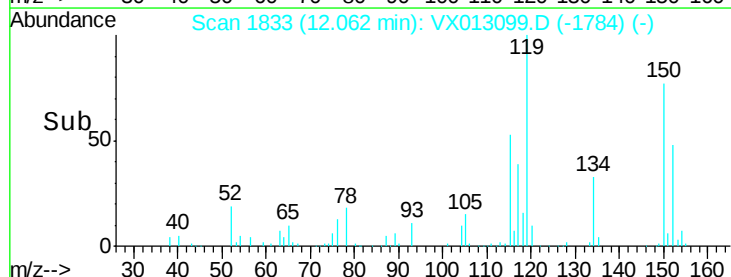
300000

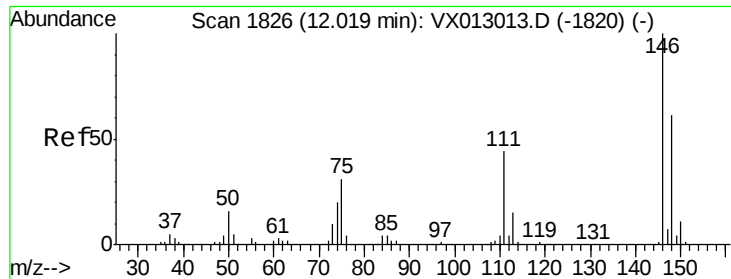
200000

100000

0

Time--> 12.00 12.10





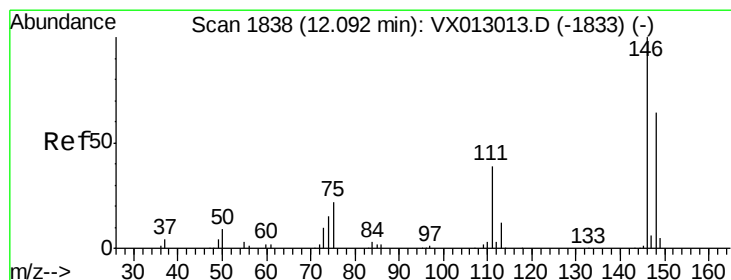
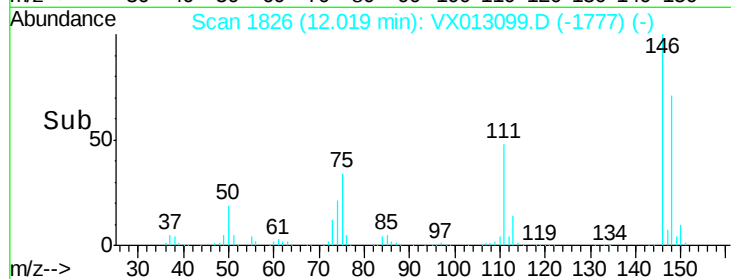
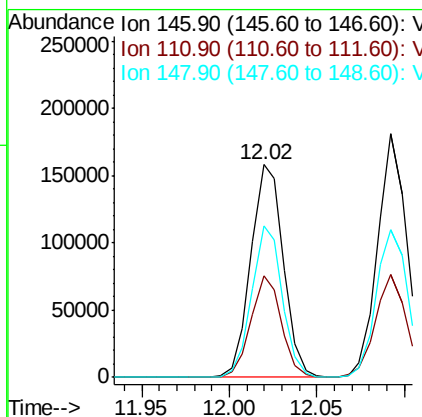
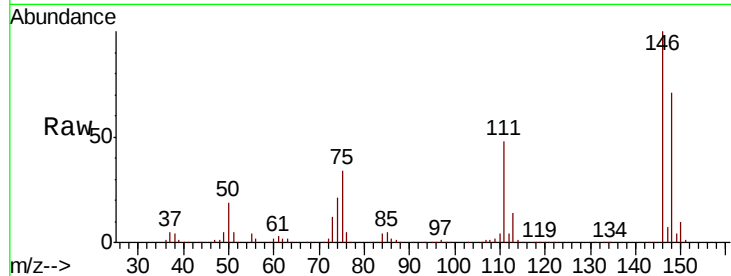
#87
 1,3-Dichlorobenzene
 Concen: 52.319 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.1	63.4
148	66.8	31.6	95.0

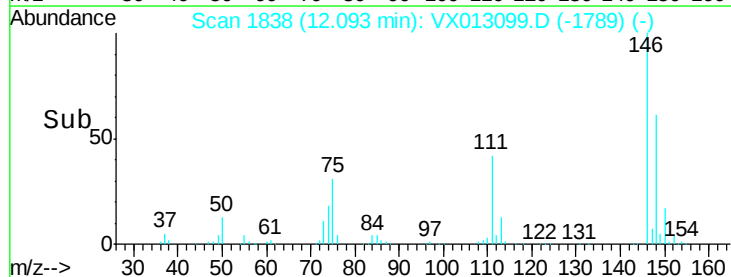
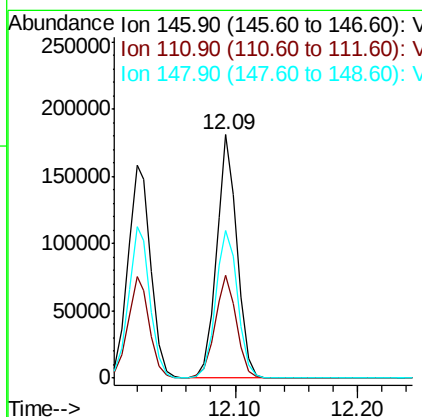
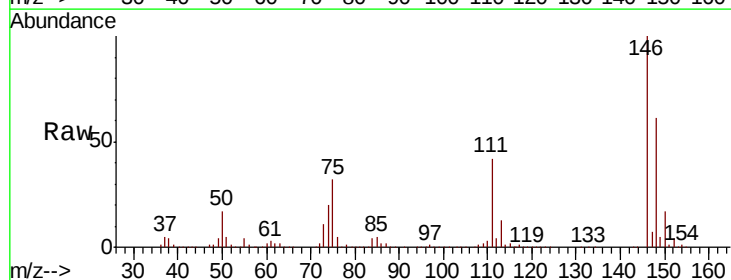
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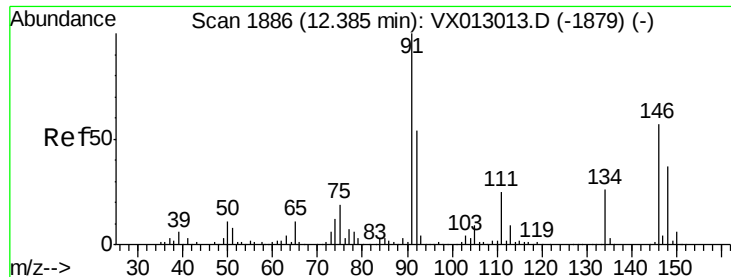
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#88
 1,4-Dichlorobenzene
 Concen: 52.881 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.4	64.3
148	65.2	32.1	96.5





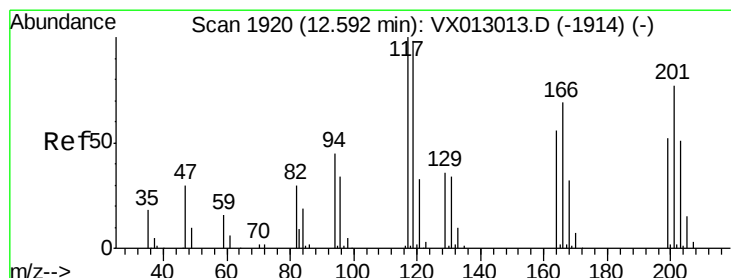
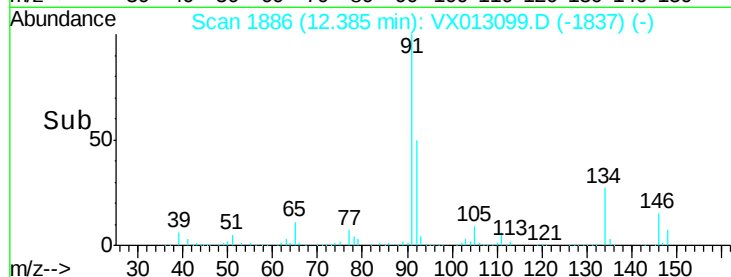
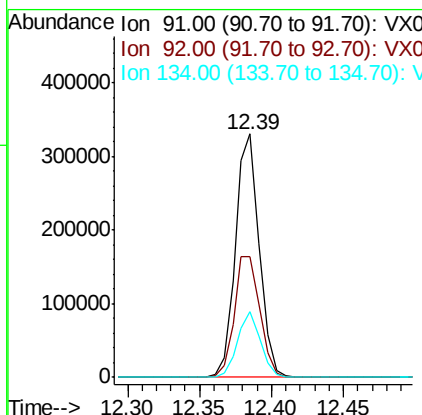
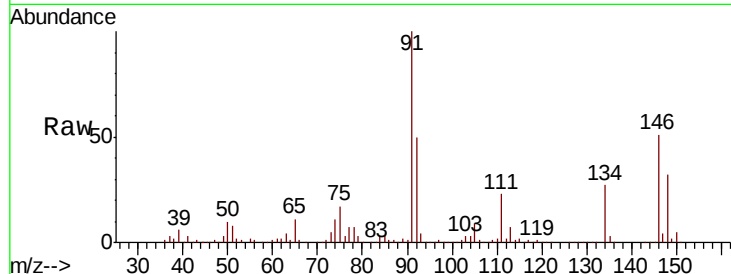
#89
n-Butylbenzene
Concen: 57.504 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.5	82.5
134	26.1	12.9	38.7

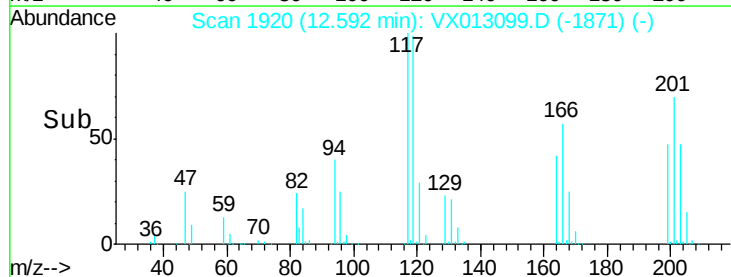
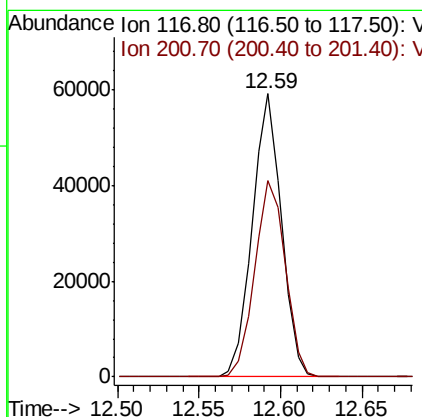
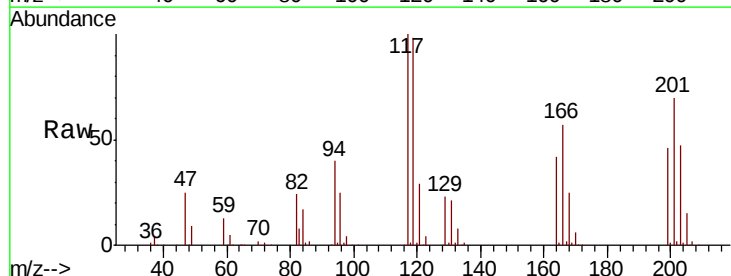
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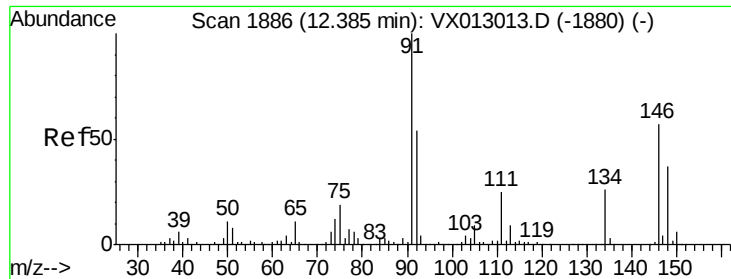
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#90
Hexachloroethane
Concen: 50.607 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.7	36.9	110.7





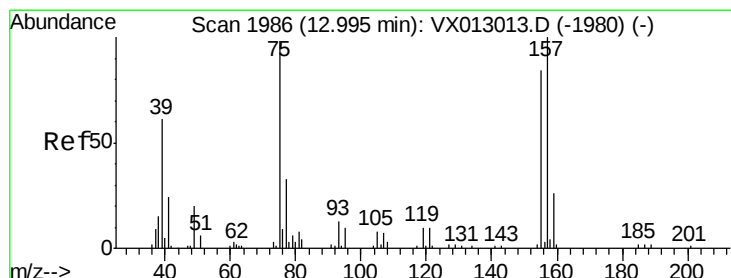
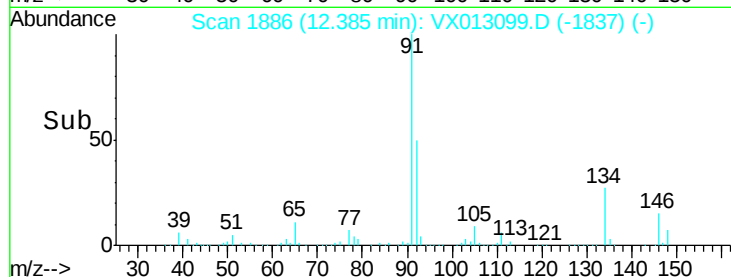
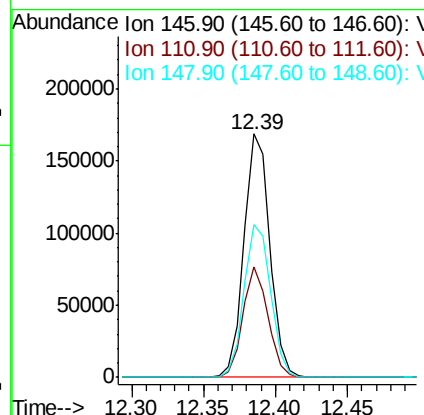
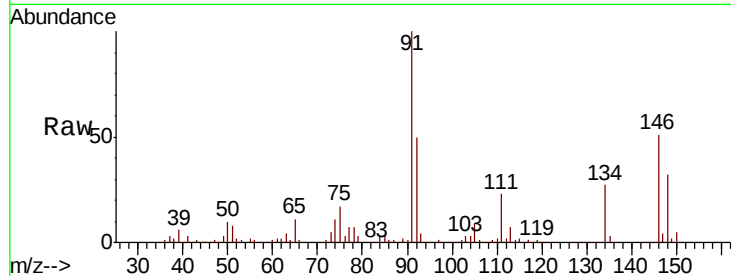
#91
 1,2-Dichlorobenzene
 Concen: 54.431 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.7	68.0
148	64.9	31.6	94.7

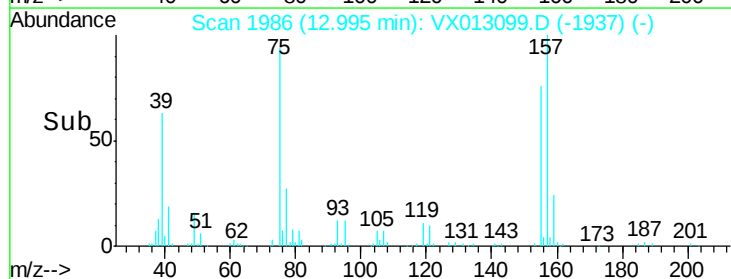
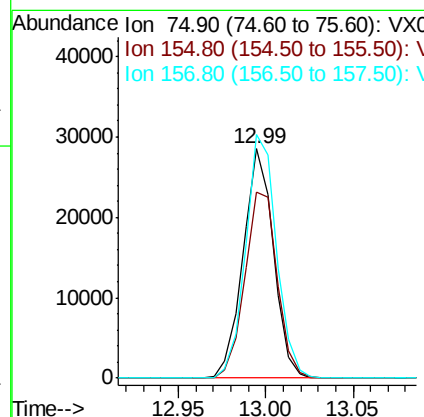
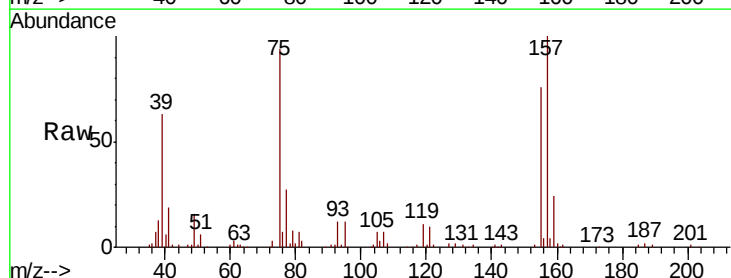
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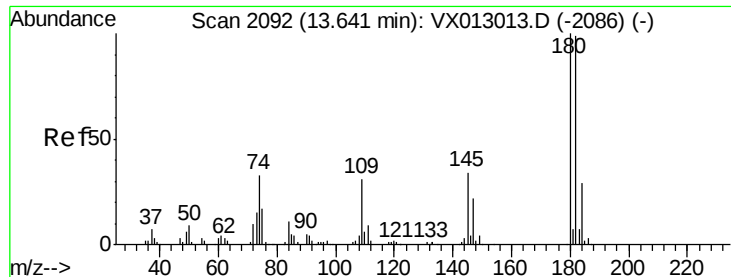
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.099 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	43.0	128.8
157	107.7	54.1	162.3





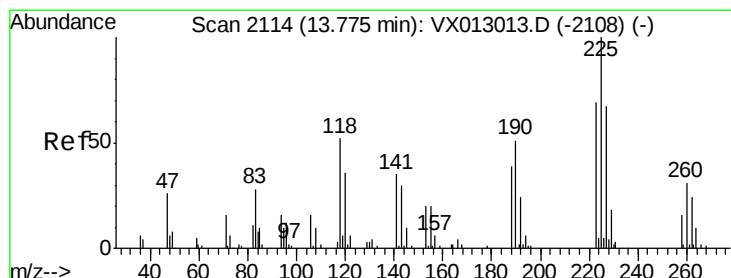
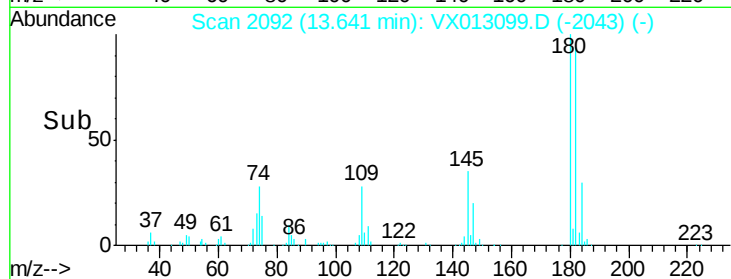
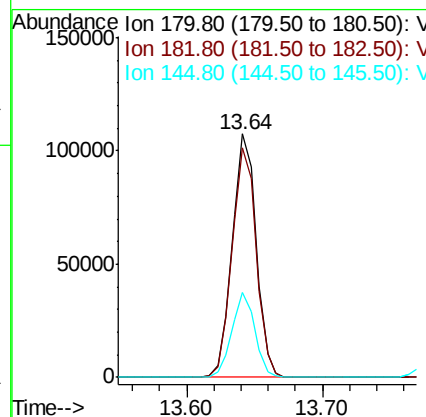
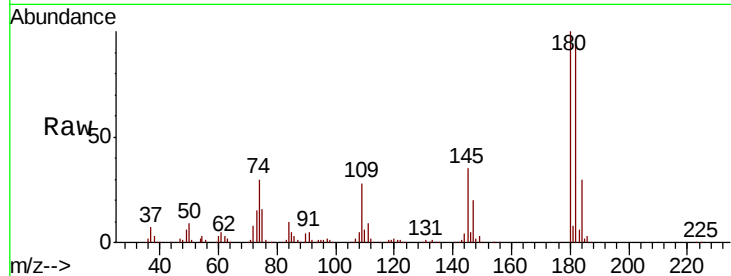
#93
 1,2,4-Trichlorobenzene
 Concen: 54.286 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	131313		
182	95.2	46.8	140.4	
145	33.4	16.2	48.6	

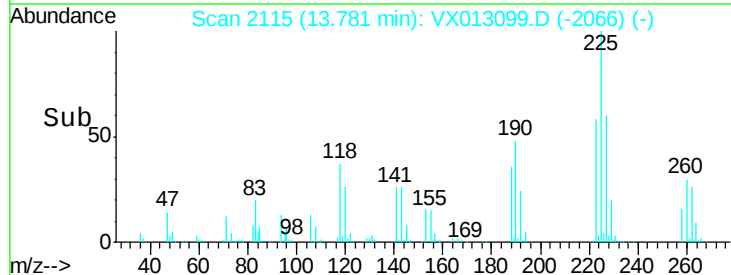
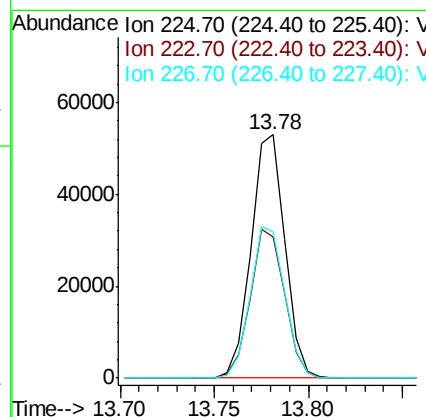
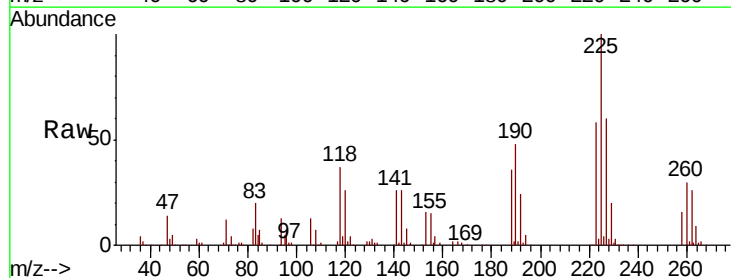
Manual Integrations
 APPROVED

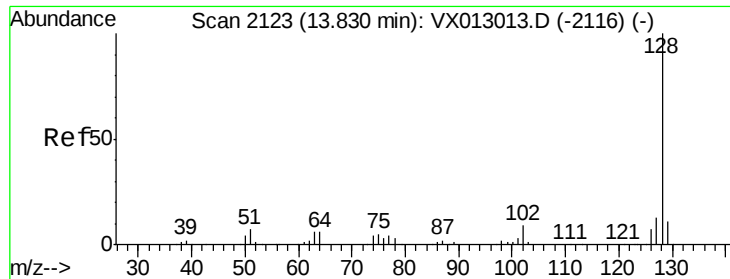
MMDadoda
 10/18/2019 10:05:42 AM



#94
 Hexachlorobutadiene
 Concen: 58.903 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX013099.D
 Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65755		
223	62.1	31.1	93.2	
227	63.5	32.3	96.9	





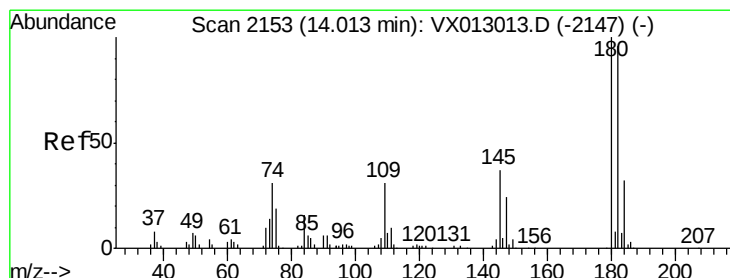
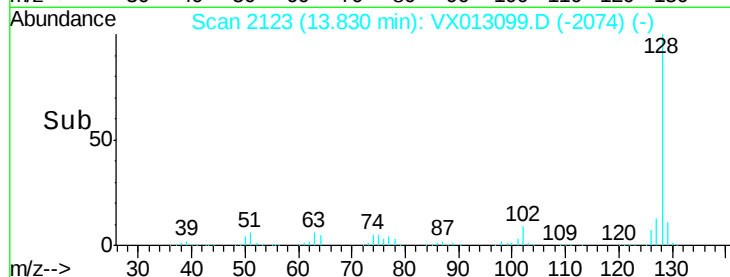
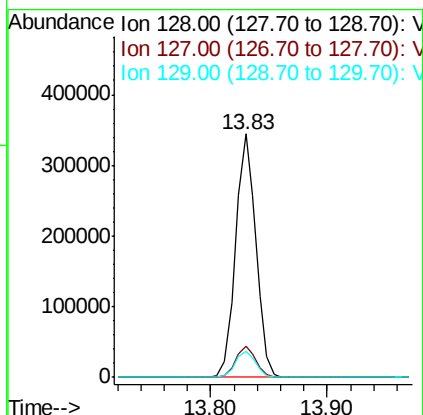
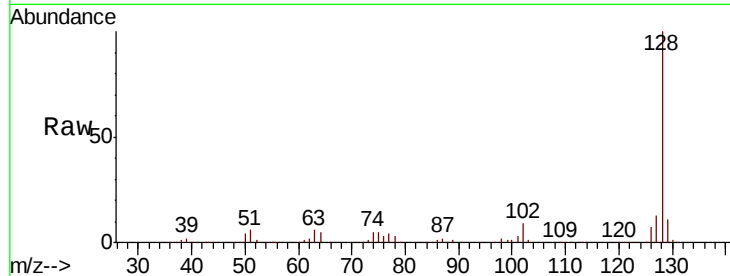
#95
Naphthalene
Concen: 49.929 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/18/2019 10:05:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.196 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013099.D
Acq: 17 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.5	142.5
145	35.7	17.4	52.3

