

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101019\
 Data File : VX013008.D
 Acq On : 10 Oct 2019 20:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 1:06:13 PM

Quant Time: Oct 11 08:18:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	164790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	279717	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	118865	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	106145	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
35) Dibromofluoromethane	5.49	113	84089	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
50) Toluene-d8	8.71	98	321916	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	11.14	95	122965	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	84454	50.278	ug/l	99
3) Chloromethane	1.32	50	91612	50.114	ug/l	97
4) Vinyl Chloride	1.40	62	93519	49.563	ug/l	97
5) Bromomethane	1.63	94	38693	49.332	ug/l	100
6) Chloroethane	1.71	64	57659	50.027	ug/l	98
7) Trichlorofluoromethane	1.92	101	132366	51.975	ug/l	98
8) Diethyl Ether	2.18	74	51888	50.477	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	82621	50.128	ug/l	99
10) Methyl Iodide	2.50	142	96518	51.518	ug/l	99
11) Tert butyl alcohol	3.04	59	139406	255.323	ug/l	99
12) 1,1-Dichloroethene	2.36	96	83854	50.354	ug/l	99
13) Acrolein	2.28	56	96308	248.205	ug/l	98
14) Allyl chloride	2.72	41	150415	50.719	ug/l	98
15) Acrylonitrile	3.13	53	274824	265.606	ug/l	99
16) Acetone	2.44	43	241139	222.115	ug/l	99
17) Carbon Disulfide	2.56	76	222514	46.861	ug/l	99
18) Methyl Acetate	2.76	43	134423	52.238	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	305112	53.055	ug/l	100
20) Methylene Chloride	2.84	84	98334	49.285	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	91700	51.376	ug/l	99
22) Diisopropyl ether	3.84	45	299489	52.702	ug/l	94
23) Vinyl Acetate	3.80	43	1309640	266.961	ug/l	100
24) 1,1-Dichloroethane	3.69	63	167069	52.259	ug/l	98
25) 2-Butanone	4.66	43	383743	254.778	ug/l	98
26) 2,2-Dichloropropane	4.57	77	125715	46.763	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	105226	51.145	ug/l	99
28) Bromochloromethane	5.01	49	49848	52.194	ug/l	99
29) Tetrahydrofuran	5.12	42	246152	265.577	ug/l	99
30) Chloroform	5.20	83	169721	51.739	ug/l	98
31) Cyclohexane	5.57	56	148485	49.671	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	147689	53.136	ug/l	99
36) 1,1-Dichloropropene	5.79	75	126499	51.437	ug/l	99
37) Ethyl Acetate	4.82	43	143144	52.053	ug/l	99
38) Carbon Tetrachloride	5.78	117	127109	53.101	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	154196	51.701	ug/l	99
40) Benzene	6.14	78	383296	52.770	ug/l	98
41) Methacrylonitrile	5.03	41	79259	52.452	ug/l	99
42) 1,2-Dichloroethane	6.18	62	139385	53.479	ug/l	98
43) Isopropyl Acetate	6.43	43	234520	53.134	ug/l	99
44) Trichloroethene	7.21	130	100573	49.932	ug/l	97
45) 1,2-Dichloropropane	7.51	63	97666	52.757	ug/l	99
46) Dibromomethane	7.65	93	65387	53.014	ug/l	99
47) Bromodichloromethane	7.89	83	131076	54.456	ug/l	96
48) Methyl methacrylate	7.76	41	115740	53.811	ug/l	98
49) 1,4-Dioxane	7.73	88	60305	1043.214	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	742701	269.888	ug/l	100
52) Toluene	8.78	92	245899	52.917	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	143447	47.852	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	158026	53.380	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	98717	53.680	ug/l	99
56) Ethyl methacrylate	9.17	69	161352	49.035	ug/l	99
57) 1,3-Dichloropropane	9.37	76	168403	52.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	364138	269.542	ug/l	99
59) 2-Hexanone	9.49	43	574783	268.319	ug/l	99
60) Dibromochloromethane	9.58	129	100435	49.111	ug/l	100
61) 1,2-Dibromoethane	9.67	107	102079	52.767	ug/l	99
64) Tetrachloroethene	9.33	164	92130	52.926	ug/l	96
65) Chlorobenzene	10.14	112	257109	51.588	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	94774	54.846	ug/l	100
67) Ethyl Benzene	10.25	91	468624	52.935	ug/l	100
68) m/p-Xylenes	10.35	106	350980	106.125	ug/l	99
69) o-Xylene	10.70	106	171560	53.195	ug/l	99
70) Styrene	10.71	104	299296	54.589	ug/l	100
71) Bromoform	10.85	173	68426	46.703	ug/l #	100
73) Isopropylbenzene	11.01	105	456126	52.193	ug/l	99
74) N-amyl acetate	10.89	43	203580	54.089	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	150392	51.741	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	121267m	45.997	ug/l	
77) Bromobenzene	11.25	156	104170	50.584	ug/l	98
78) n-propylbenzene	11.35	91	496740	51.656	ug/l	100
79) 2-Chlorotoluene	11.42	91	310265	51.338	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	390139	53.464	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	48329	47.372	ug/l	98
82) 4-Chlorotoluene	11.51	91	370360	53.465	ug/l	99
83) tert-Butylbenzene	11.76	119	374901	52.667	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	382899	51.810	ug/l	97
85) sec-Butylbenzene	11.94	105	436024	52.871	ug/l	99
86) p-Isopropyltoluene	12.06	119	401617	52.509	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	194167	50.772	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	196214	50.661	ug/l	98
89) n-Butylbenzene	12.38	91	344763	53.632	ug/l	99
90) Hexachloroethane	12.59	117	67916	48.030	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	196092	52.303	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	37756	55.420	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	121029	51.533	ug/l	99
94) Hexachlorobutadiene	13.77	225	53884	49.715	ug/l	100
95) Naphthalene	13.83	128	434358	53.352	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	123861	51.035	ug/l	99

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

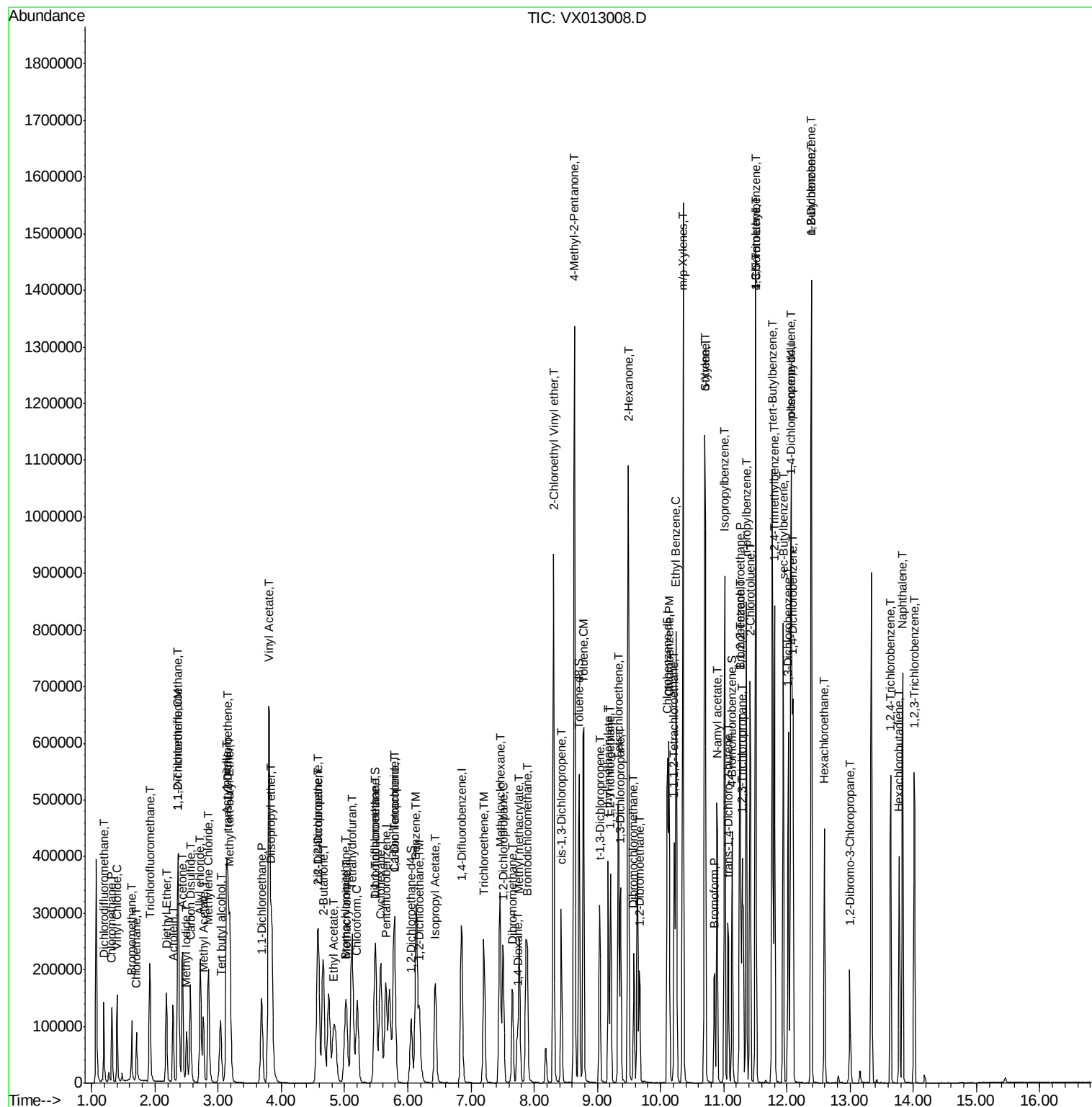
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
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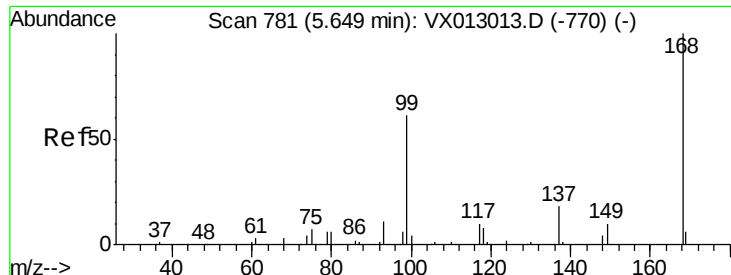
Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 164790

Ion Ratio Lower Upper

168 100

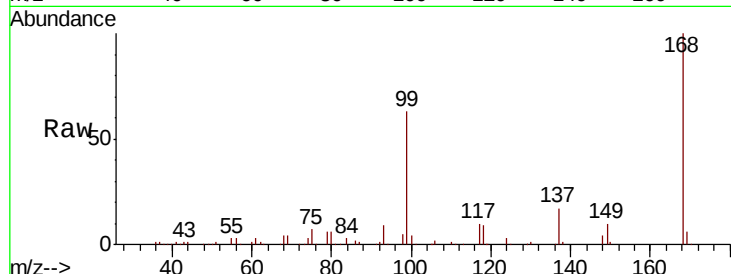
99 62.5 49.4 74.0

Manual Integrations

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10/14/2019 1:06:13 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

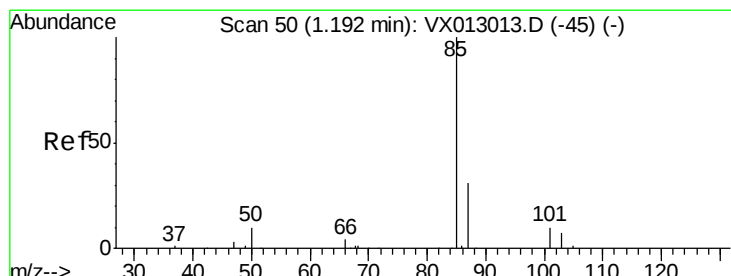
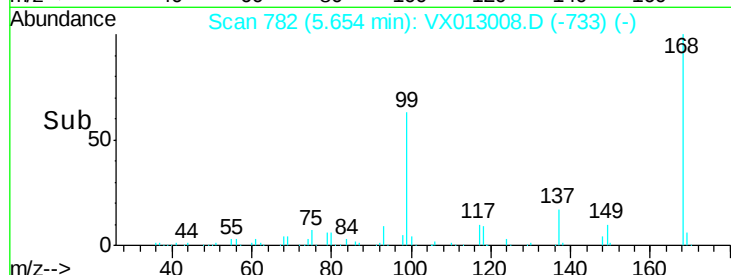
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 50.278 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX013008.D

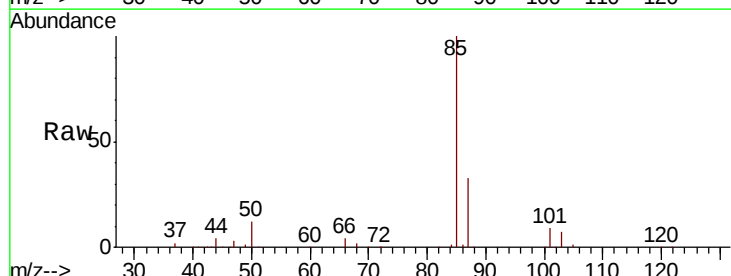
Acq: 10 Oct 2019 20:00

Tgt Ion: 85 Resp: 84454

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

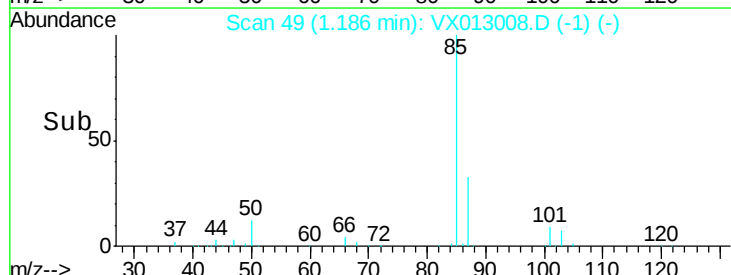
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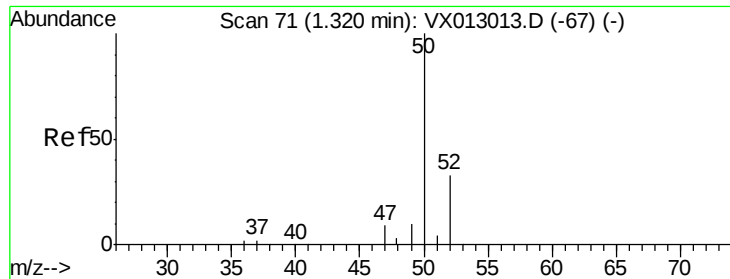
40000

20000

0

Time--> 1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 50.114 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 91612

Ion Ratio Lower Upper

50 100

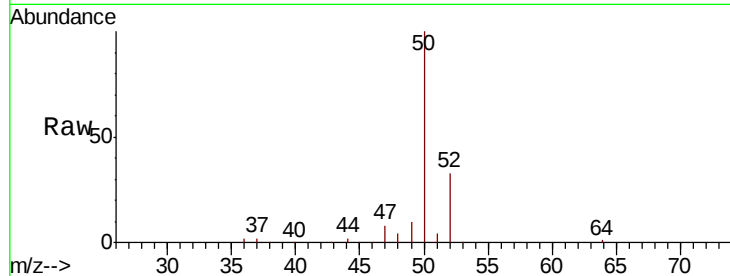
52 33.0 25.2 37.8

Manual Integrations

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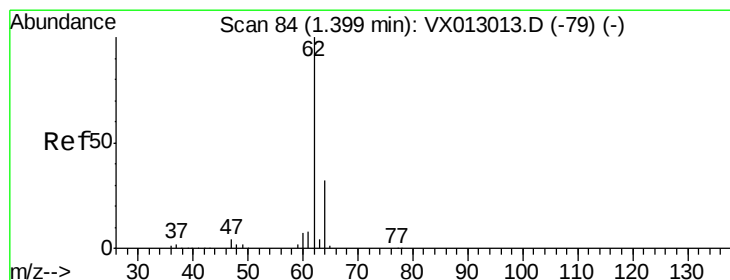
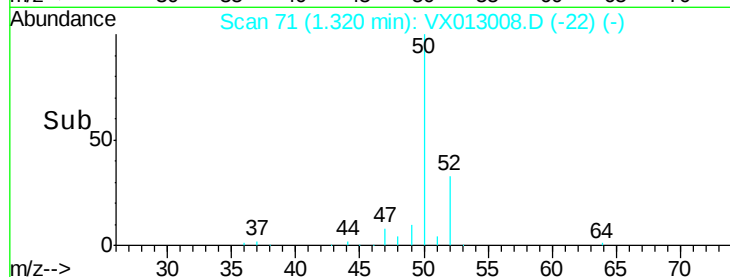
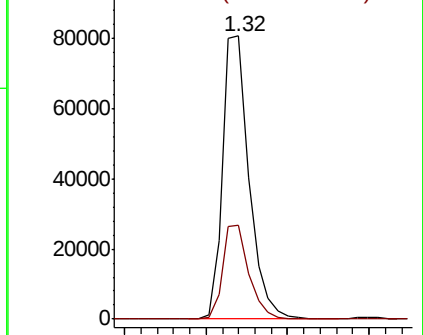
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.563 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013008.D

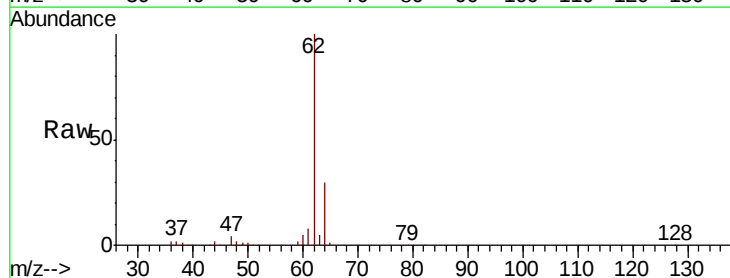
Acq: 10 Oct 2019 20:00

Tgt Ion: 62 Resp: 93519

Ion Ratio Lower Upper

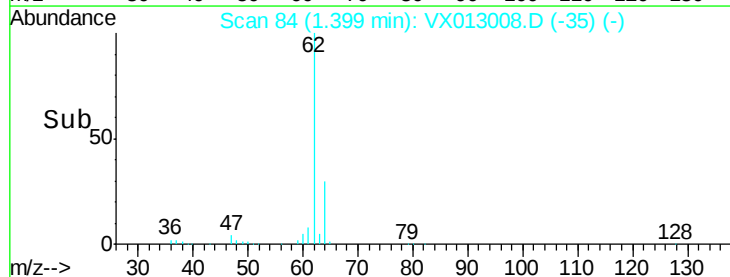
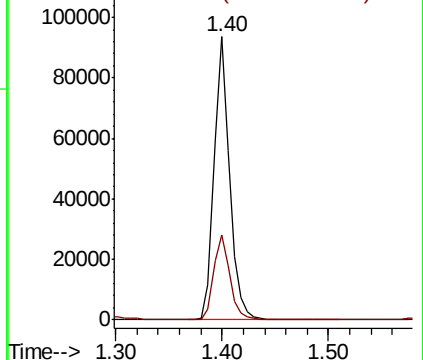
62 100

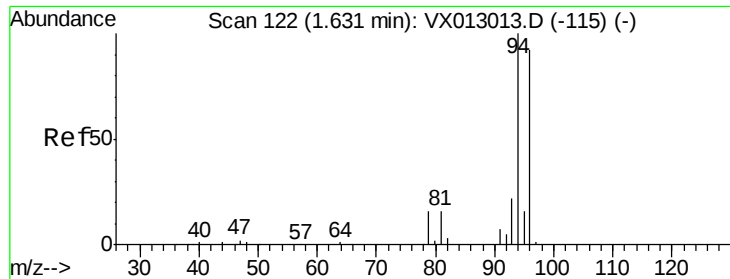
64 29.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 49.332 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

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Tot Ion: 94 Resp: 38693

Ion Ratio Lower Upper

94 100

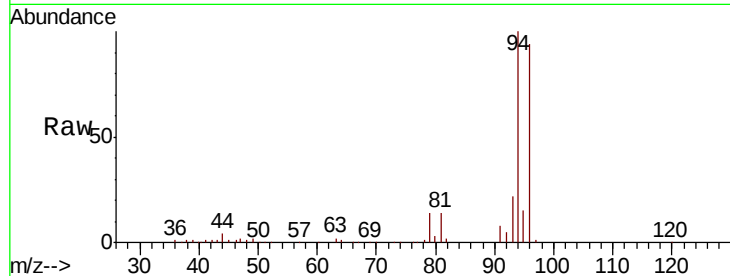
96 93.7 74.7 112.1

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

40000

30000

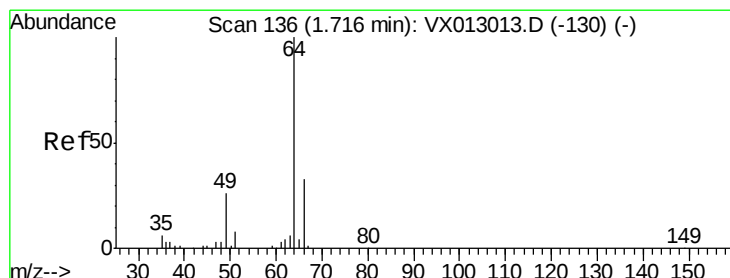
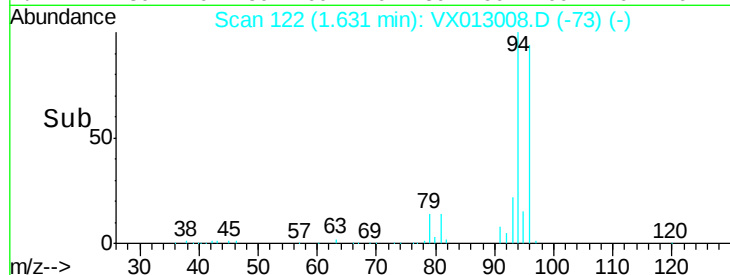
20000

10000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 50.027 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013008.D

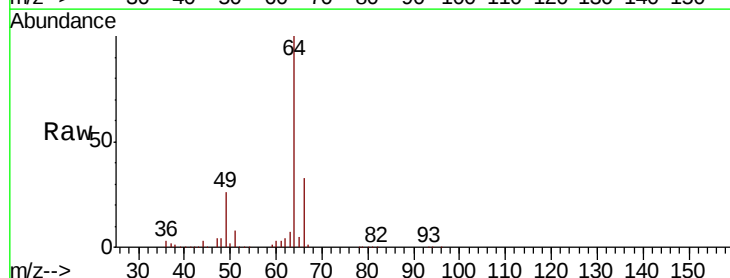
Acq: 10 Oct 2019 20:00

Tgt Ion: 64 Resp: 57659

Ion Ratio Lower Upper

64 100

66 33.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

40000

30000

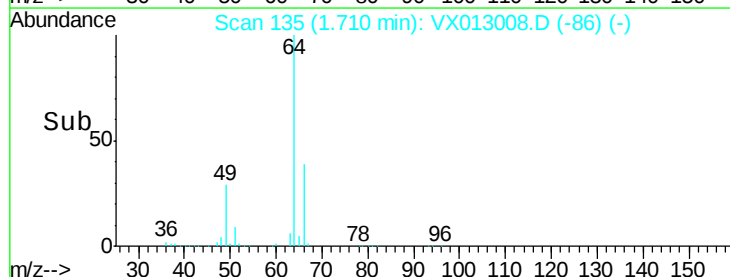
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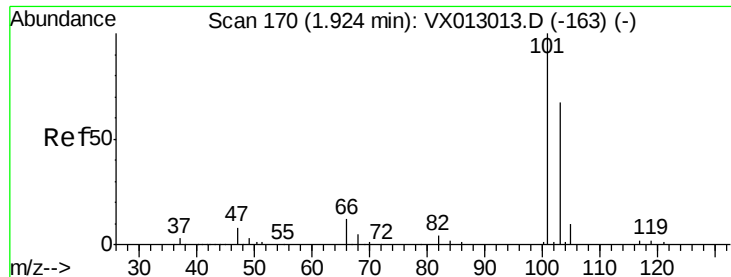
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0

Time-->

1.65 1.70 1.75 1.80





#7

Trichlorofluoromethane

Concen: 51.975 ug/l

RT: 1.92 min Scan# 169

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 132366

Ion Ratio Lower Upper

101 100

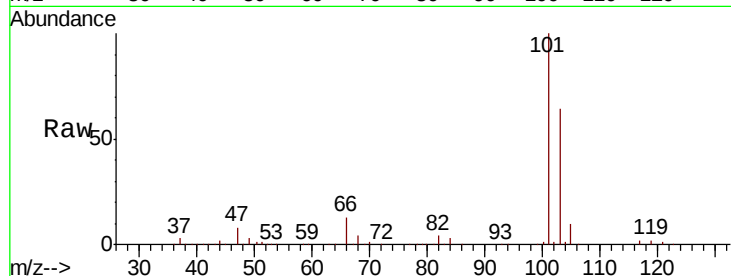
103 63.9 52.5 78.7

Manual Integrations

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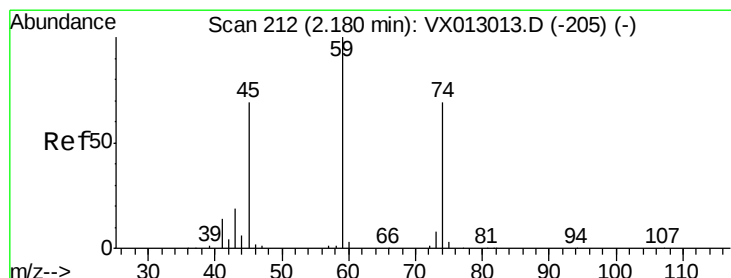
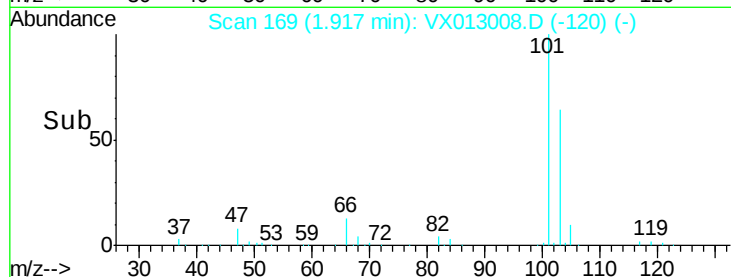
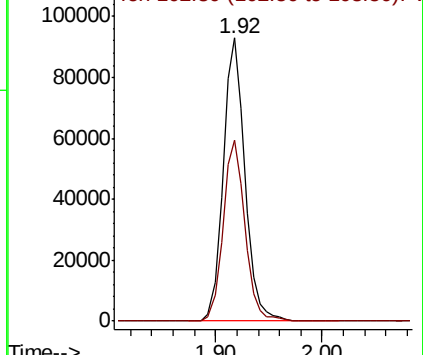
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10/14/2019 1:06:13 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 50.477 ug/l

RT: 2.18 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX013008.D

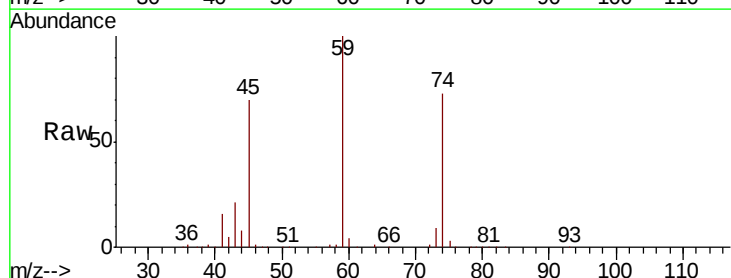
Acq: 10 Oct 2019 20:00

Tgt Ion: 74 Resp: 51888

Ion Ratio Lower Upper

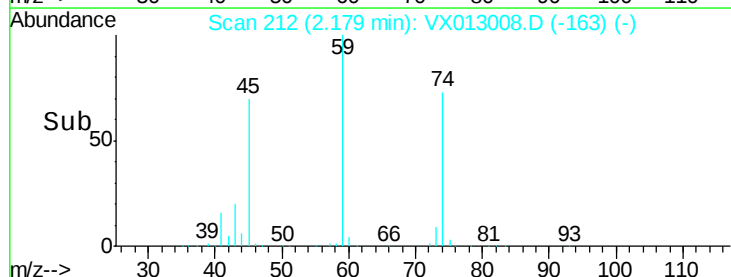
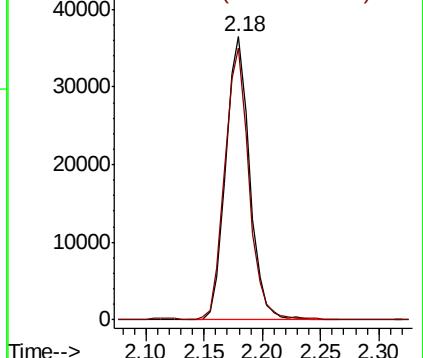
74 100

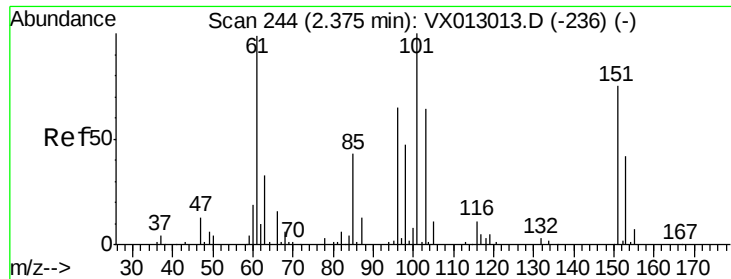
45 97.6 47.8 143.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.128 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

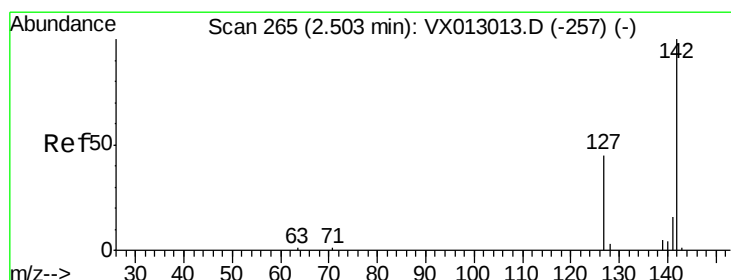
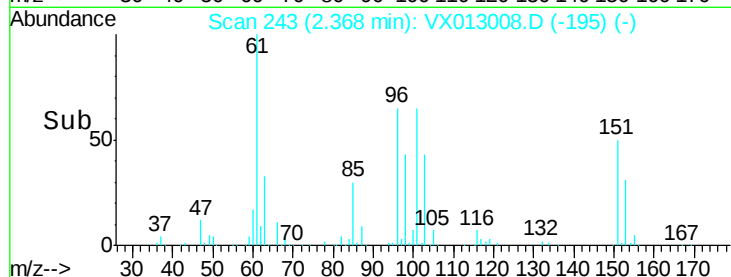
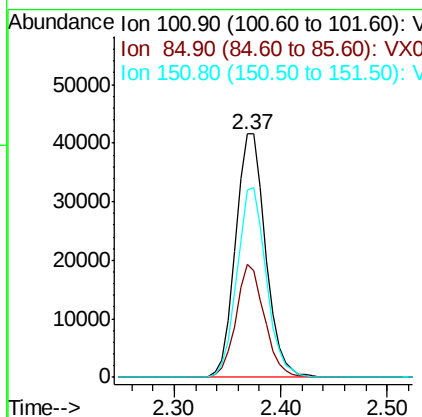
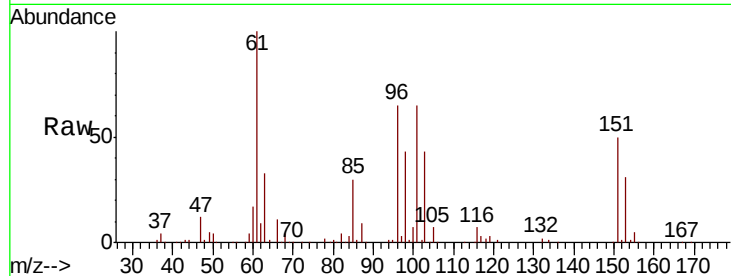
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	82621
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.2	52.8
151	76.2	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 51.518 ug/l

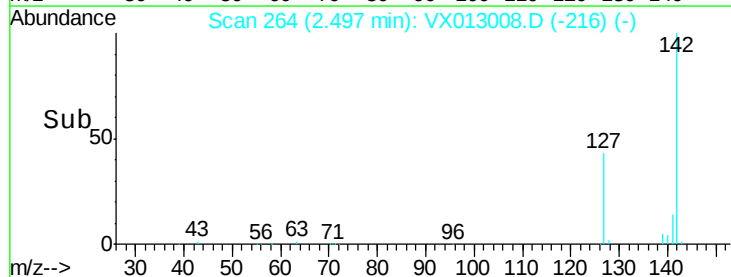
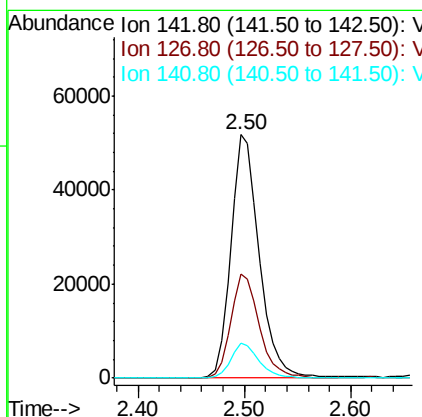
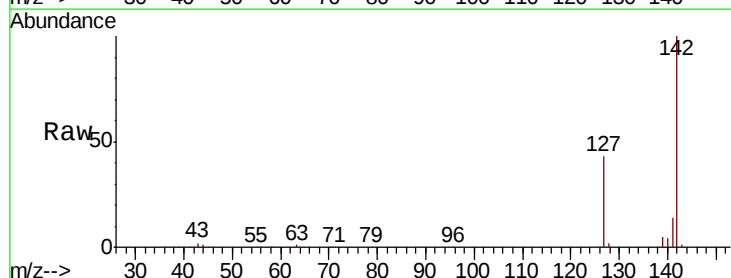
RT: 2.50 min Scan# 264

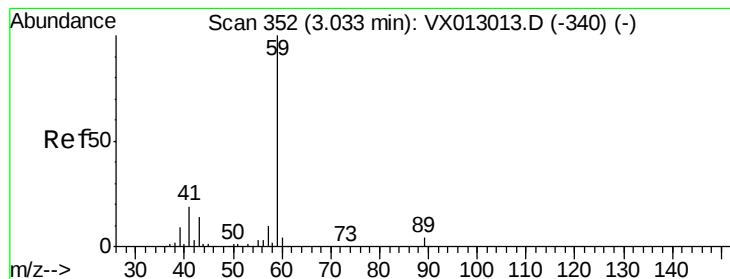
Delta R.T. -0.01 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Tgt Ion:	142	Resp:	96518
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.9	52.3
141	14.1	11.6	17.4





#11

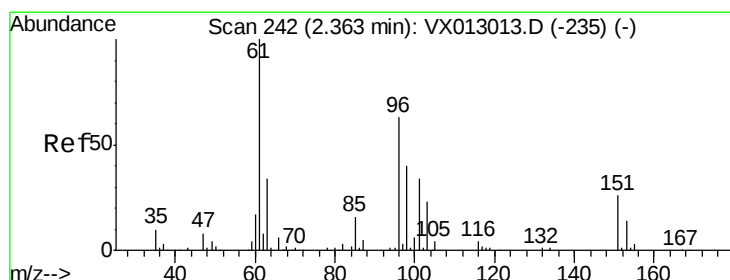
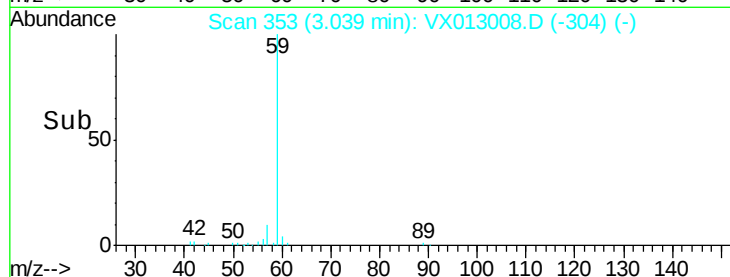
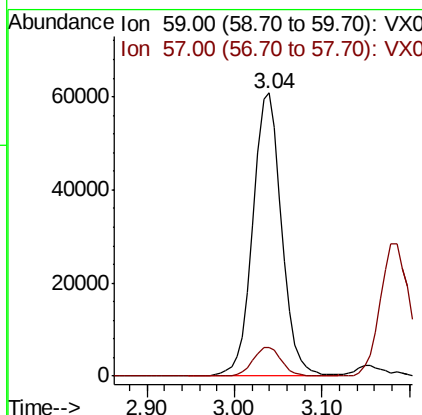
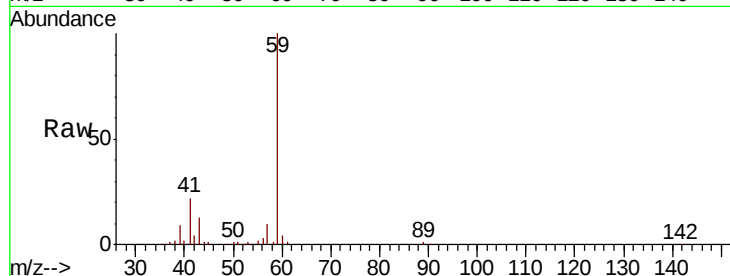
Tert butyl alcohol
Concen: 255.323 ug/l
RT: 3.04 min Scan# 353
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	139406
Ion Ratio	100	Lower	Upper
57	10.1	8.3	12.5

Manual Integrations
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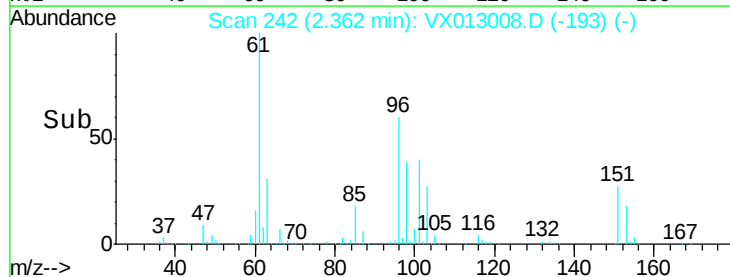
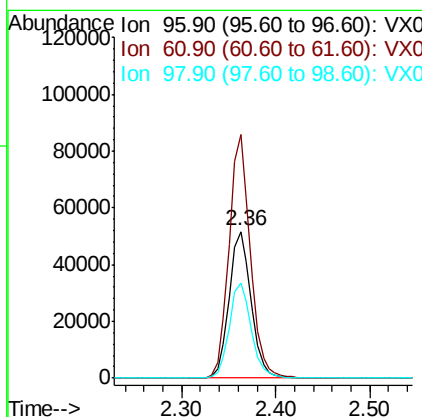
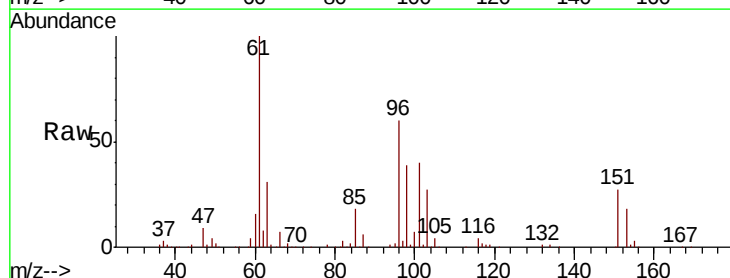
MMDadoda
10/14/2019 1:06:13 PM

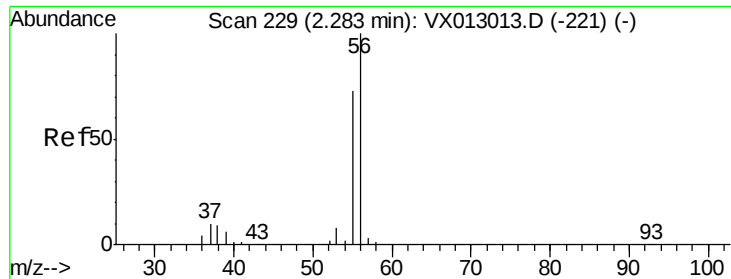


#12

1,1-Dichloroethene
Concen: 50.354 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion	96	Resp	83854
Ion Ratio	100	Lower	Upper
61	166.1	132.2	198.4
98	65.3	50.5	75.7





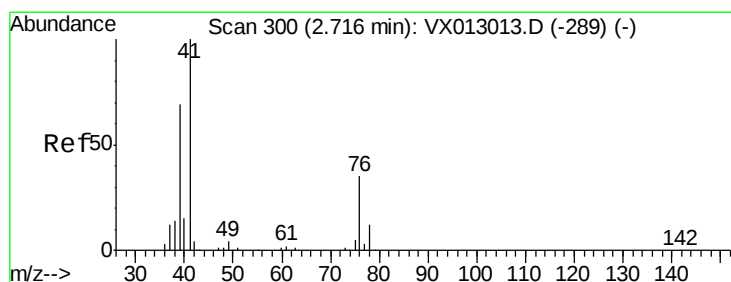
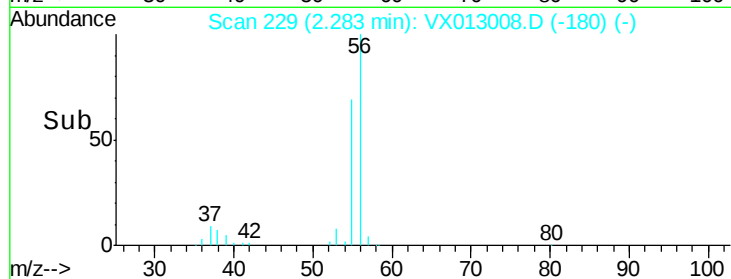
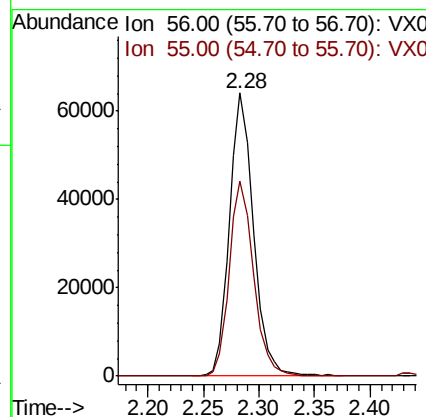
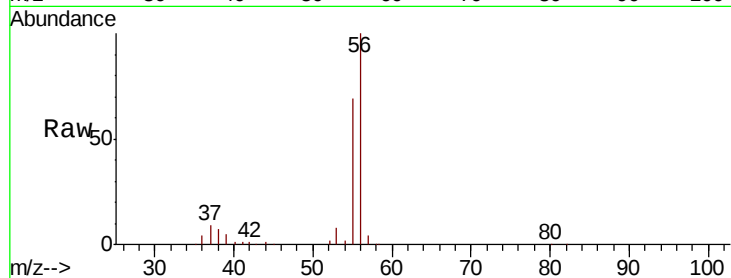
#13
Acrolein
Concen: 248.205 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.1	56.6	85.0

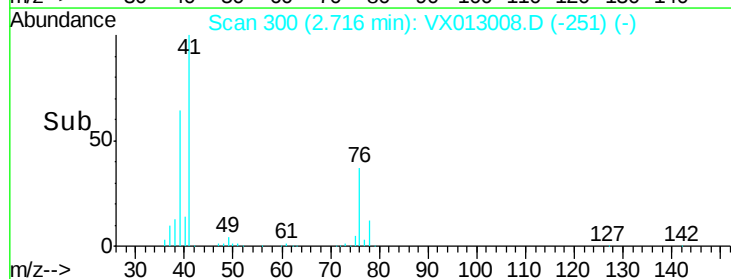
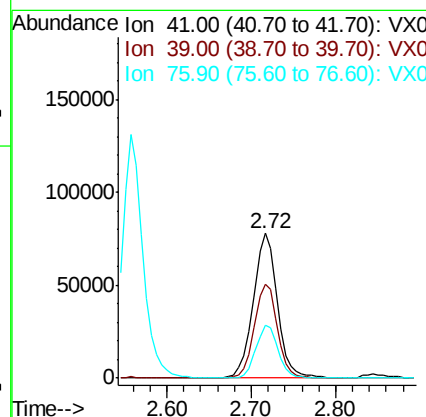
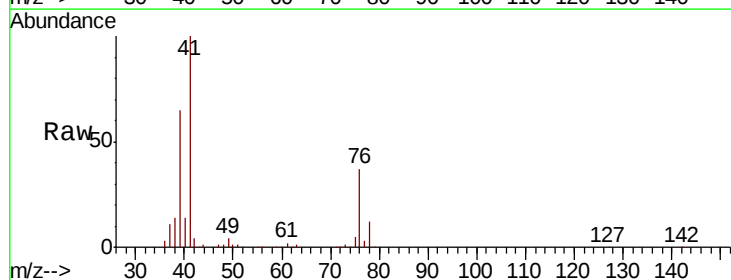
Manual Integrations
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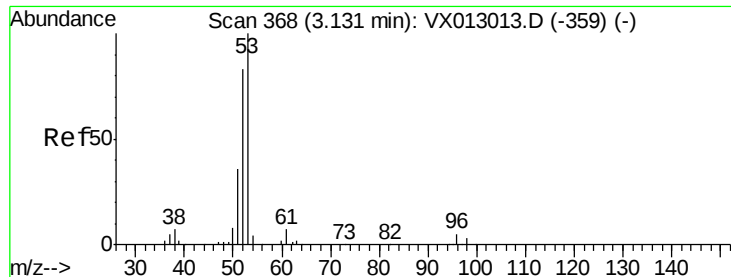
MMDadoda
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#14
Allyl chloride
Concen: 50.719 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.3	51.0	76.6
76	33.6	26.2	39.4





#15

Acrylonitrile

Concen: 265.606 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

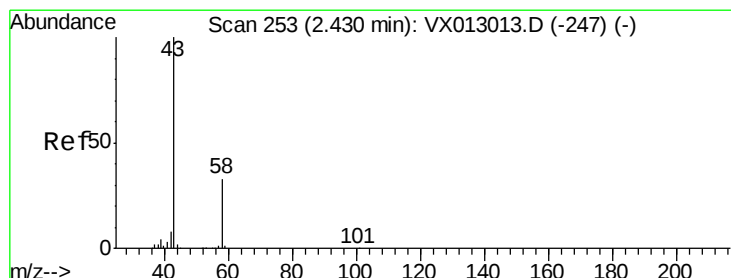
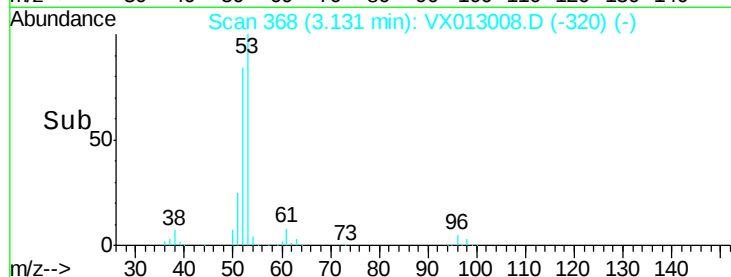
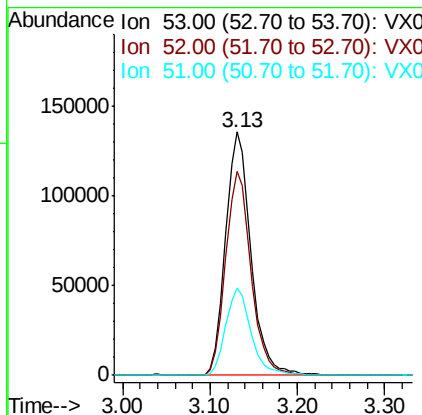
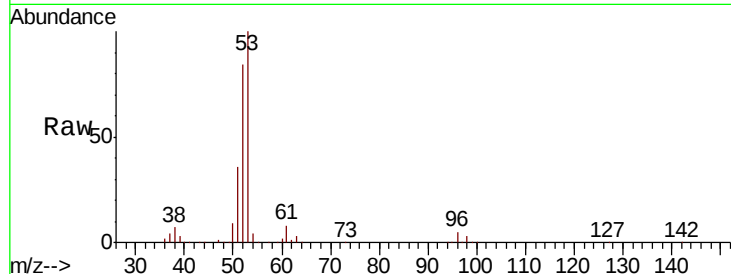
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	274824
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.2	99.2
51	36.2	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 222.115 ug/l

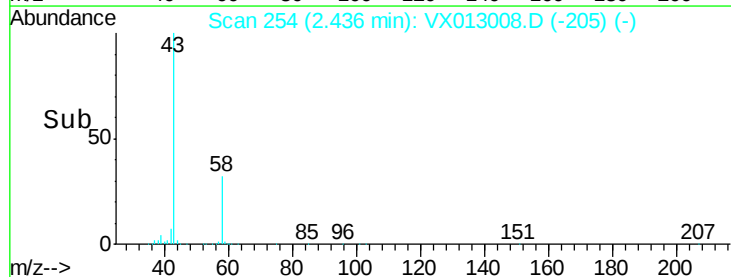
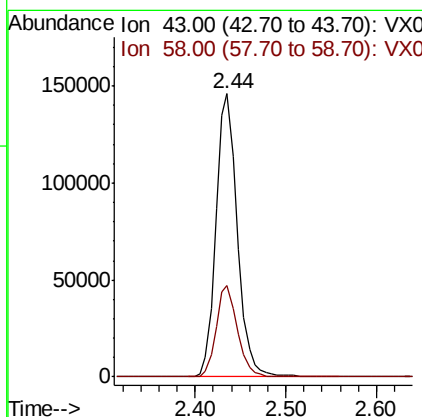
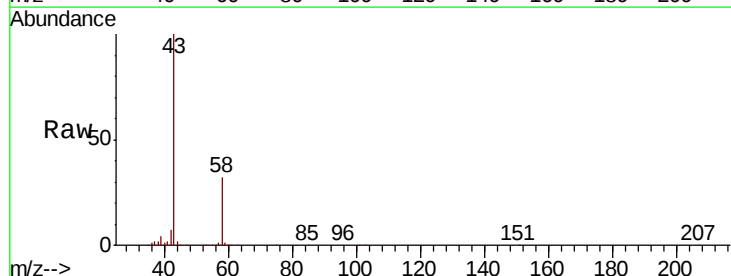
RT: 2.44 min Scan# 254

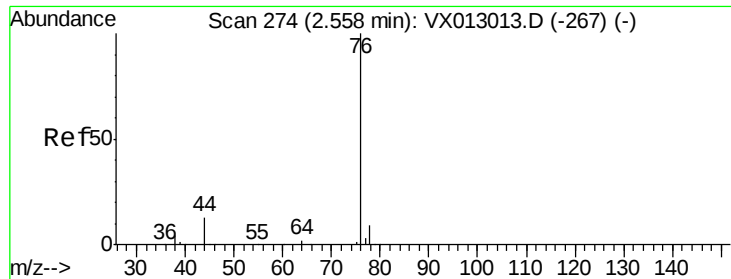
Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Tgt Ion:	43	Resp:	241139
Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.4	38.2





#17

Carbon Disulfide

Concen: 46.861 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 222514

Ion Ratio Lower Upper

76 100

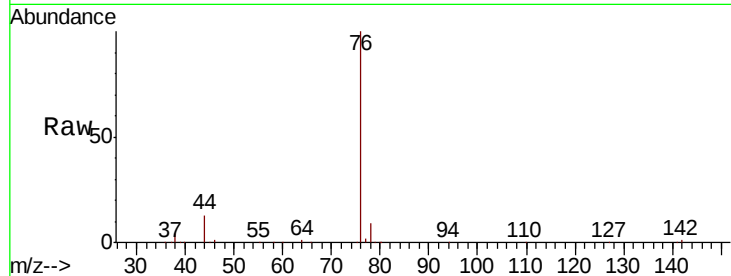
78 8.6 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

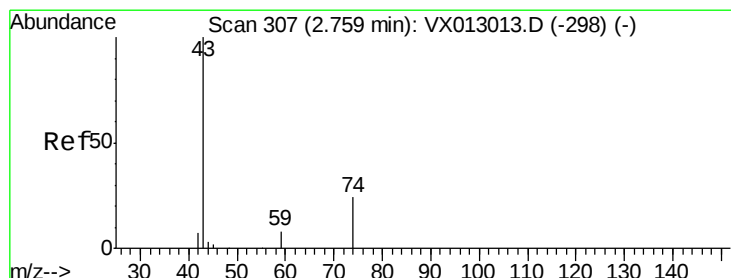
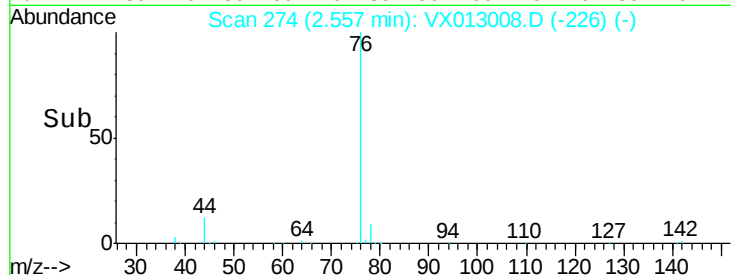
2.56

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 52.238 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX013008.D

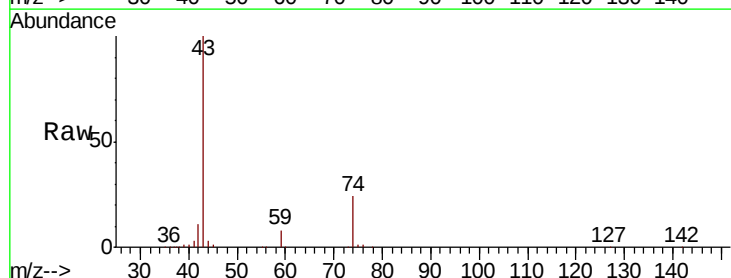
Acq: 10 Oct 2019 20:00

Tgt Ion: 43 Resp: 134423

Ion Ratio Lower Upper

43 100

74 24.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

80000

2.76

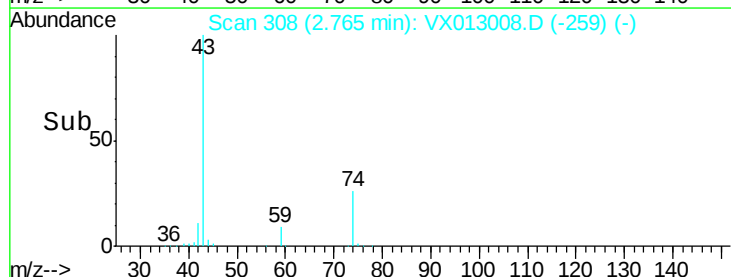
60000

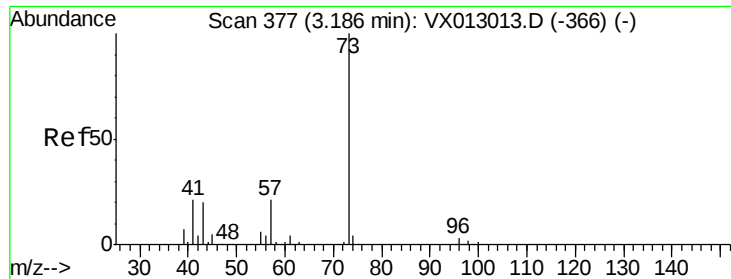
40000

20000

0

Time-->





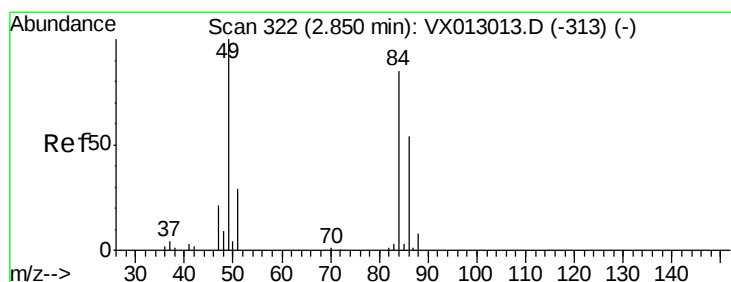
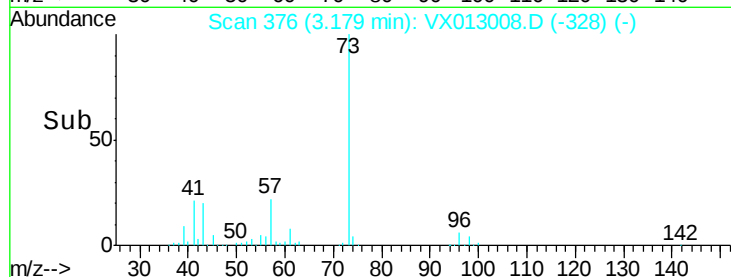
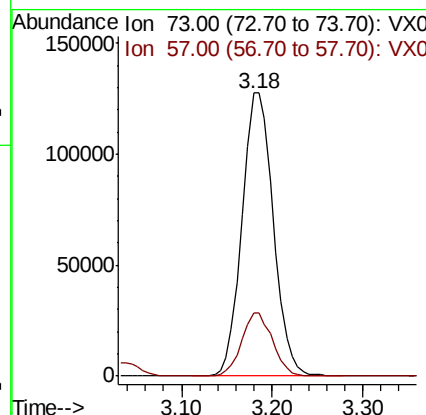
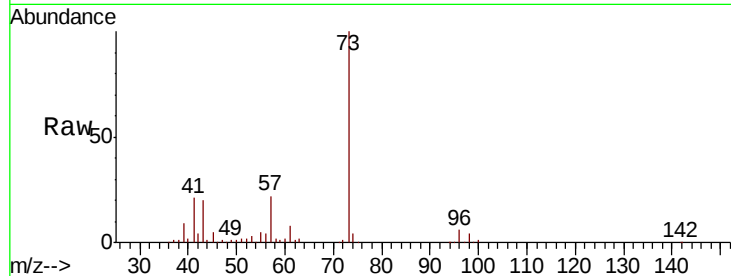
#19
Methyl tert-butyl Ether
Concen: 53.055 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.8	26.6

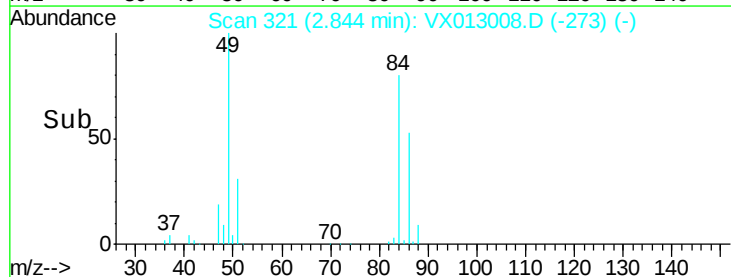
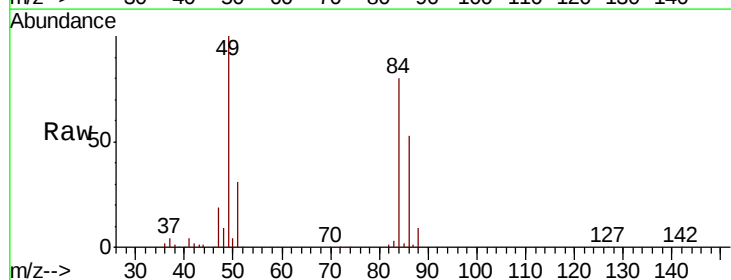
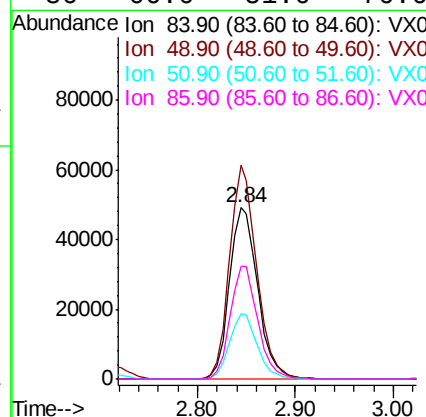
Manual Integrations
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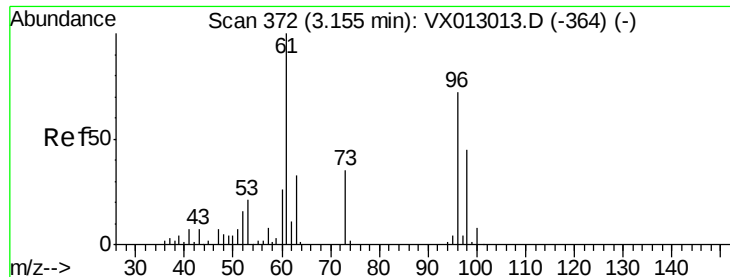
MMDadoda
10/14/2019 1:06:13 PM



#20
Methylene Chloride
Concen: 49.285 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.8	96.6	144.8
51	38.1	30.7	46.1
86	66.0	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 51.376 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 91700

Ion Ratio Lower Upper

96 100

61 136.8 110.4 165.6

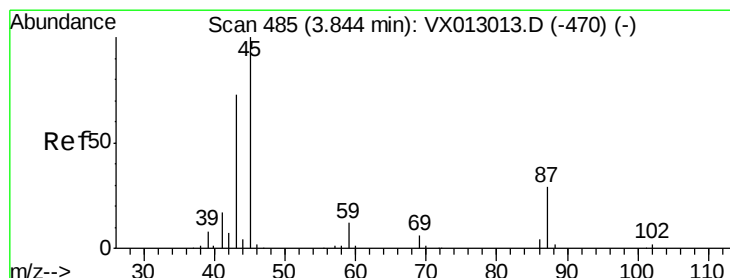
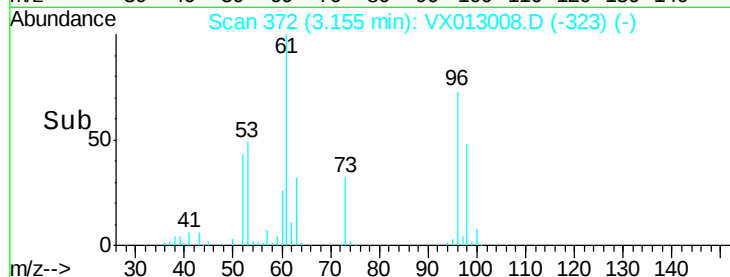
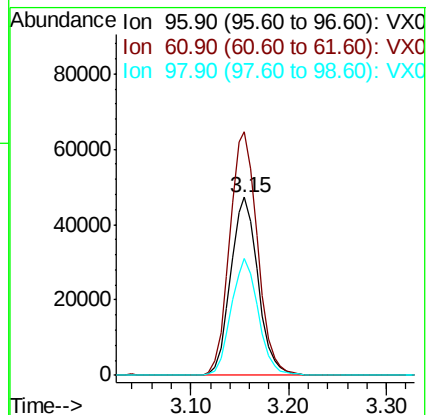
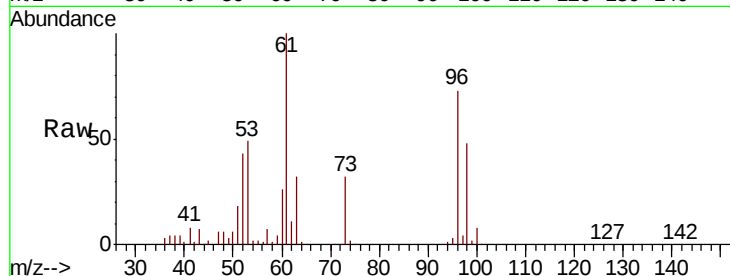
98 66.0 51.5 77.3

Manual Integrations

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MMDadoda

10/14/2019 1:06:13 PM



#22

Diisopropyl ether

Concen: 52.702 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Tgt Ion: 45 Resp: 299489

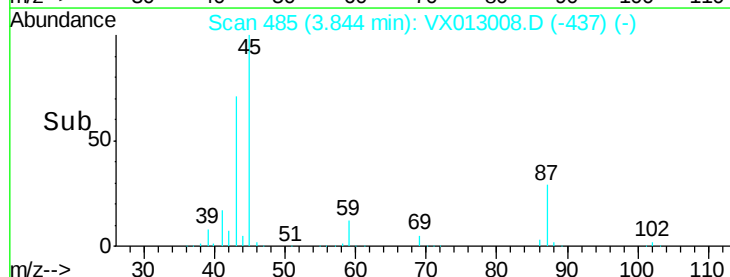
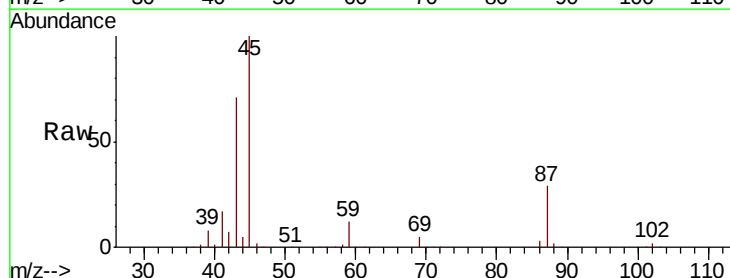
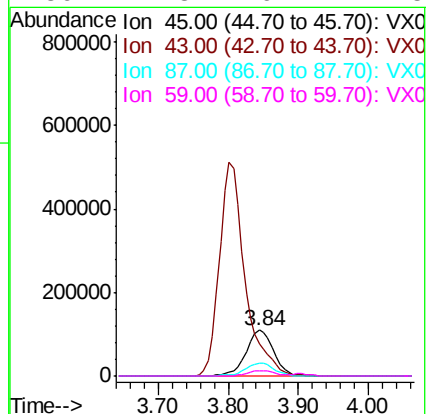
Ion Ratio Lower Upper

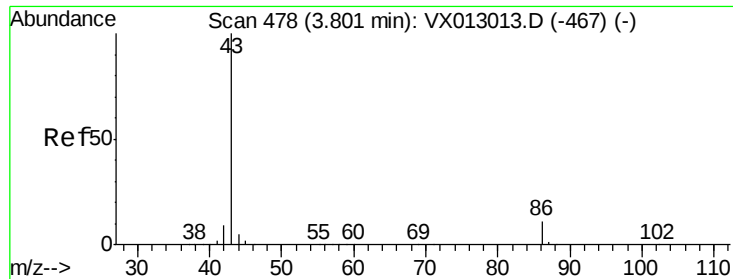
45 100

43 70.7 51.4 77.0

87 28.9 22.5 33.7

59 11.8 9.7 14.5





#23

Vinyl Acetate

Concen: 266.961 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1309640

Ion Ratio Lower Upper

43 100

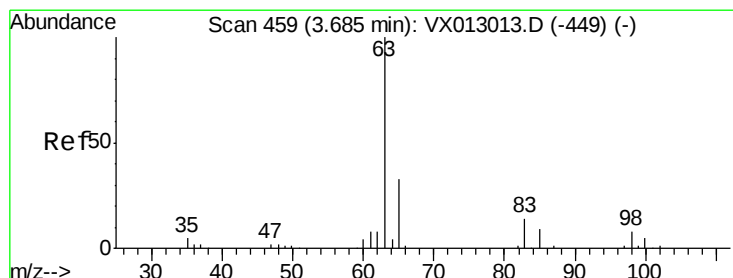
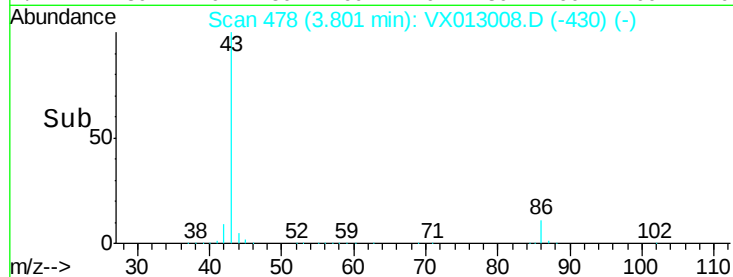
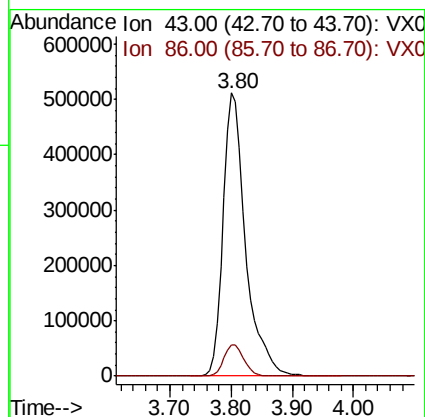
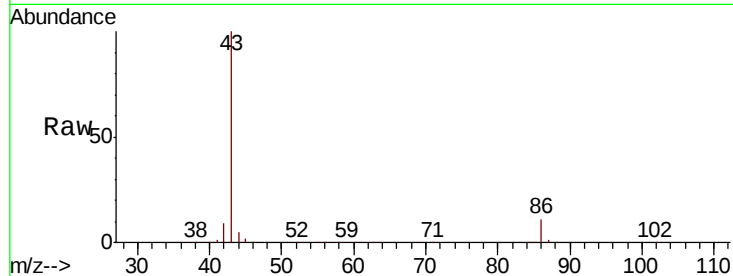
86 11.2 9.0 13.6

Manual Integrations

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MMDadoda

10/14/2019 1:06:13 PM



#24

1,1-Dichloroethane

Concen: 52.259 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

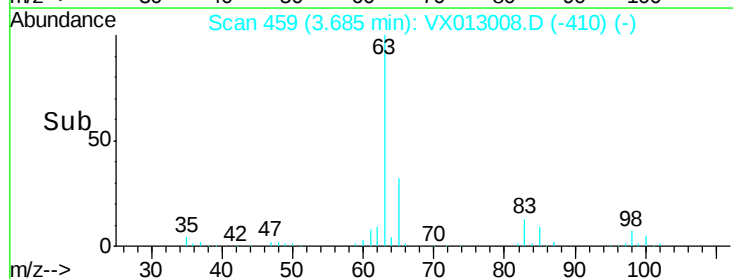
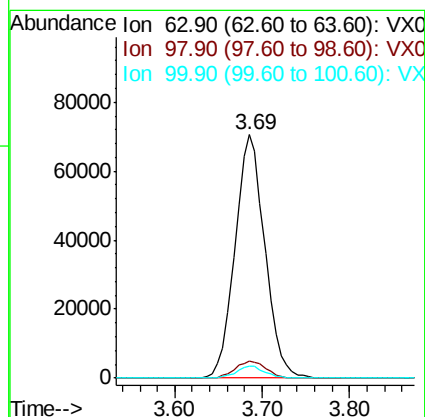
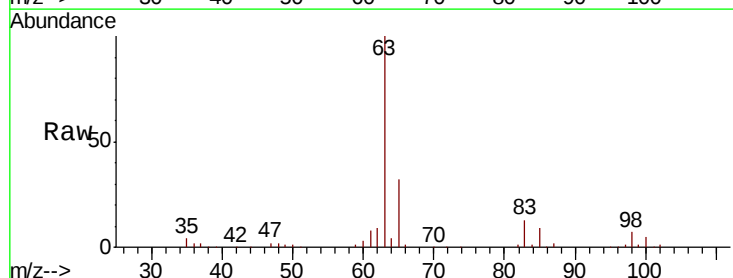
Tgt Ion: 63 Resp: 167069

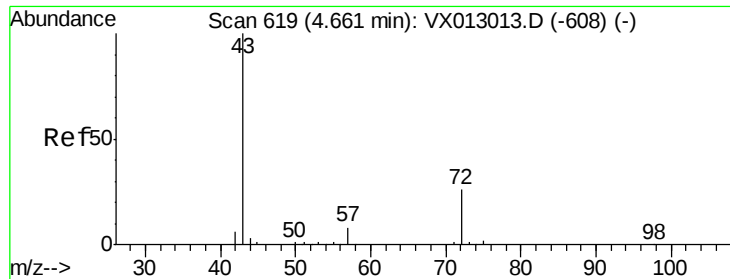
Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.5

100 5.0 2.3 6.9





#25

2-Butanone

Concen: 254.778 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 383743

Ion Ratio Lower Upper

43 100

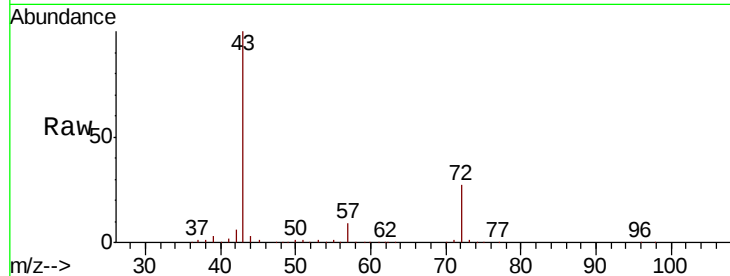
72 27.2 21.0 31.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

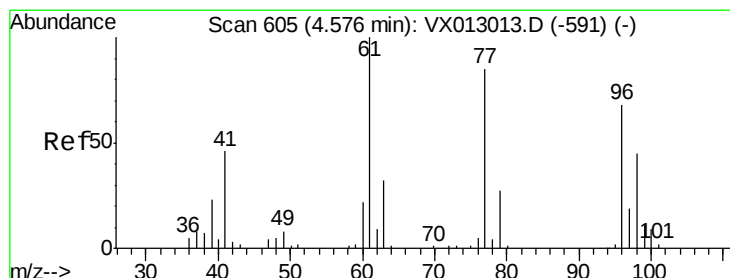
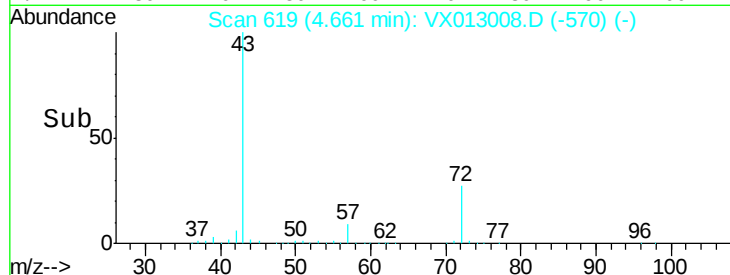
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.763 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013008.D

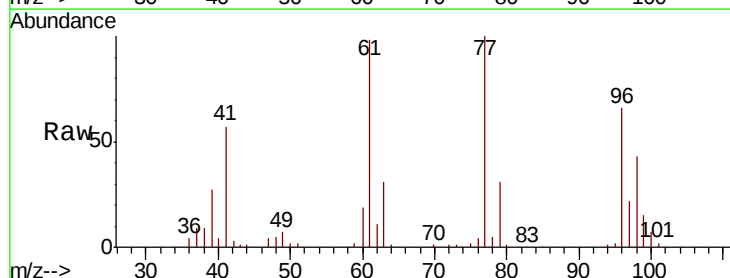
Acq: 10 Oct 2019 20:00

Tgt Ion: 77 Resp: 125715

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

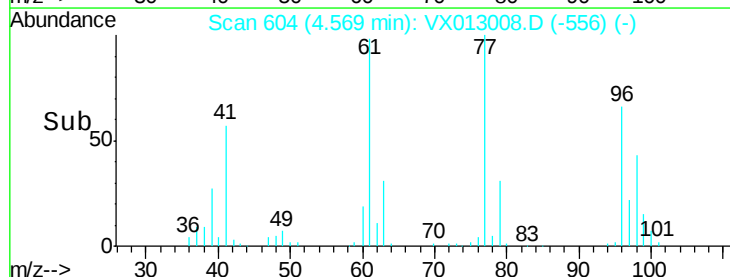
20000

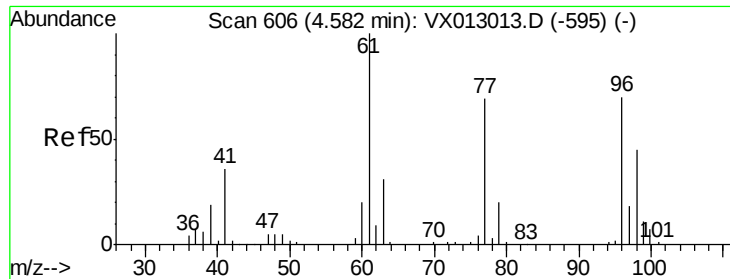
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

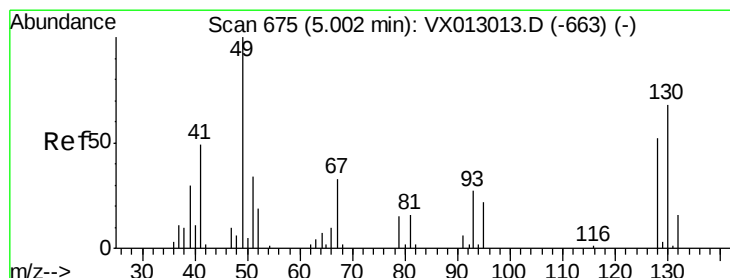
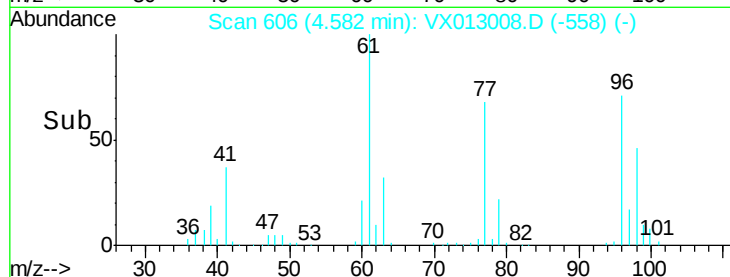
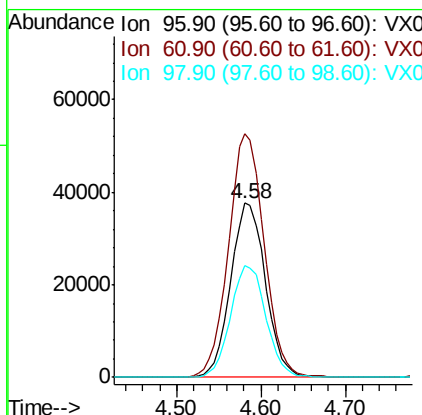
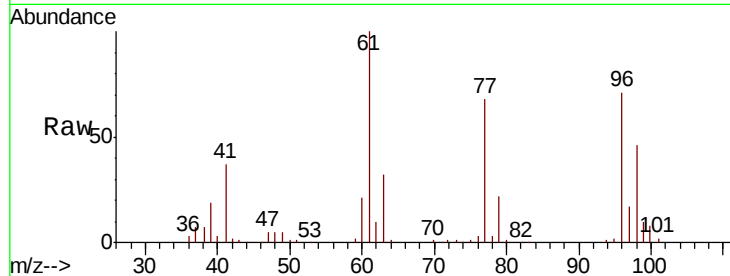
cis-1,2-Dichloroethene
Concen: 51.145 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	105226		
61	143.2	0.0	290.6	
98	65.0	0.0	128.8	

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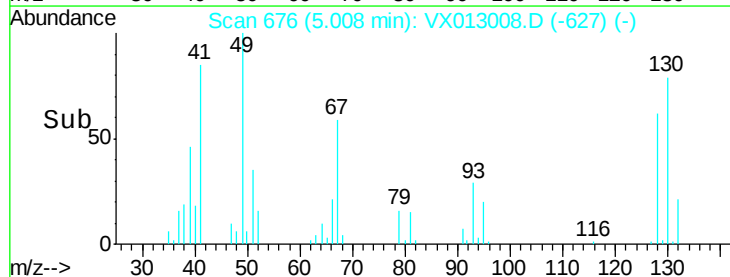
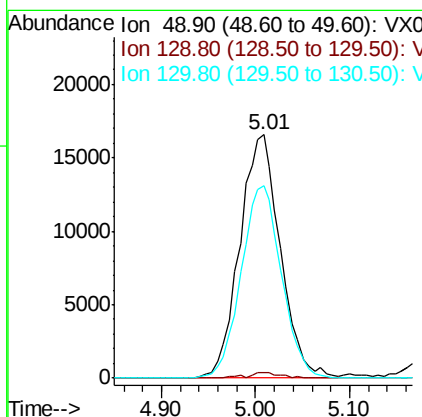
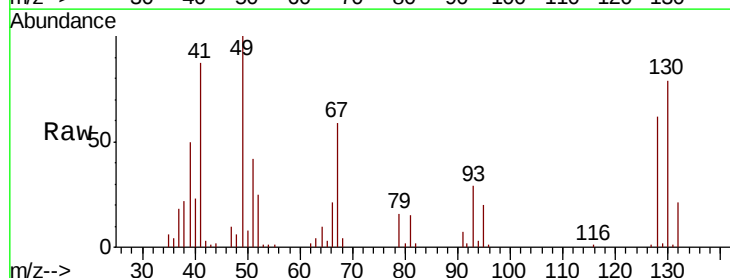
MMDadoda
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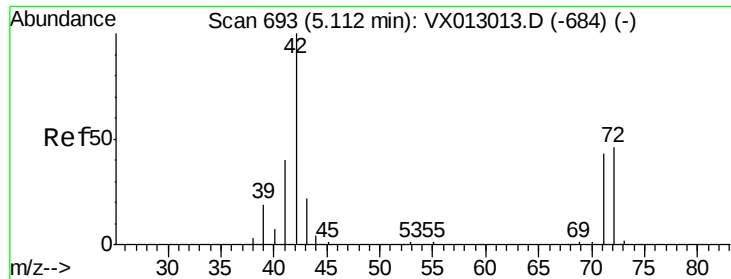


#28

Bromochloromethane
Concen: 52.194 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	49848		
129	1.6	0.0	4.2	
130	78.7	62.1	93.1	





#29

Tetrahydrofuran

Concen: 265.577 ug/l

RT: 5.12 min Scan# 694

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

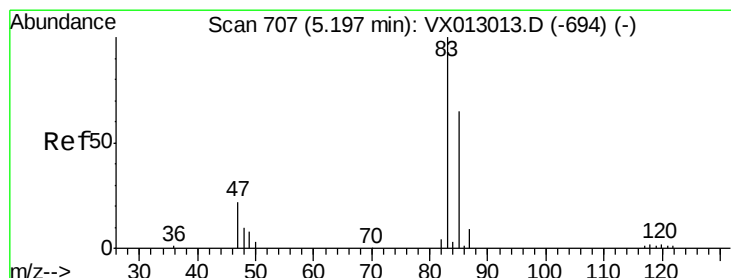
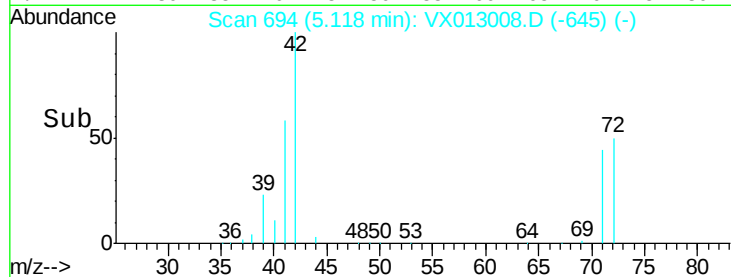
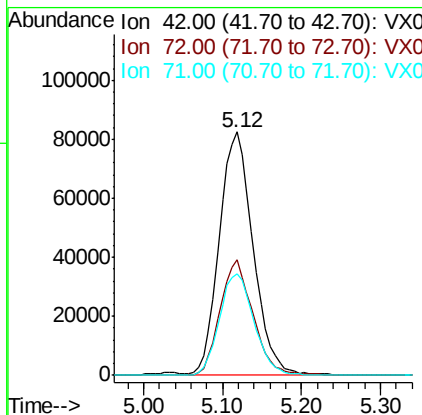
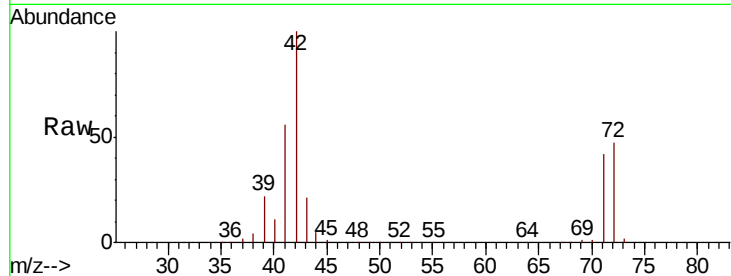
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	246152
Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.9	55.3
71	42.8	33.5	50.3

Manual Integrations
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#30

Chloroform

Concen: 51.739 ug/l

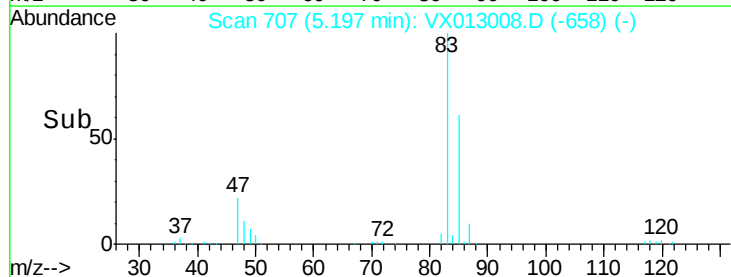
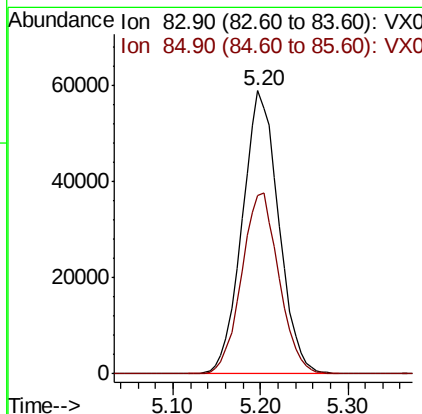
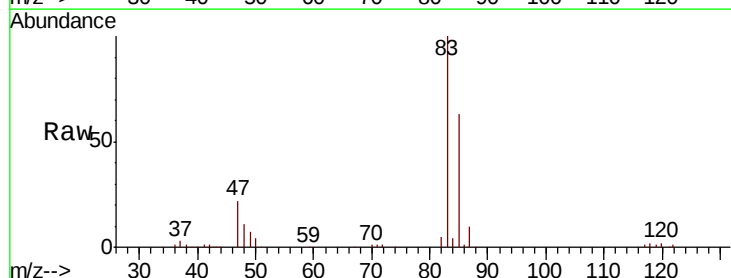
RT: 5.20 min Scan# 707

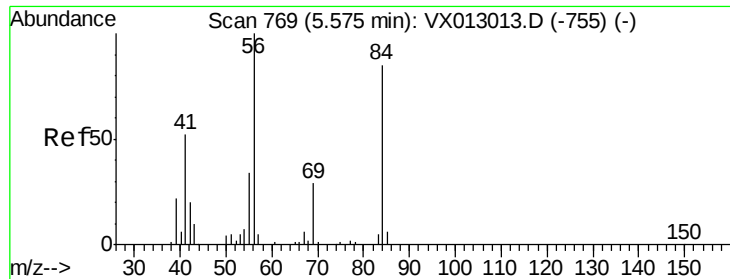
Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Tgt Ion:	83	Resp:	169721
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.5	77.3





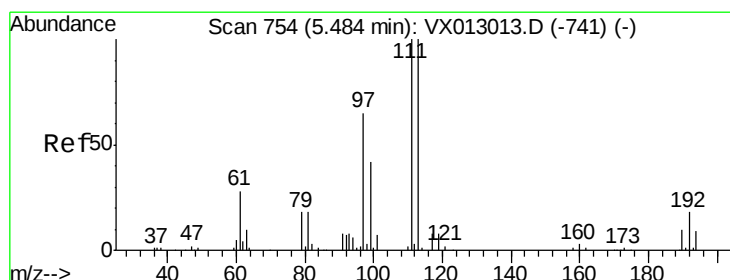
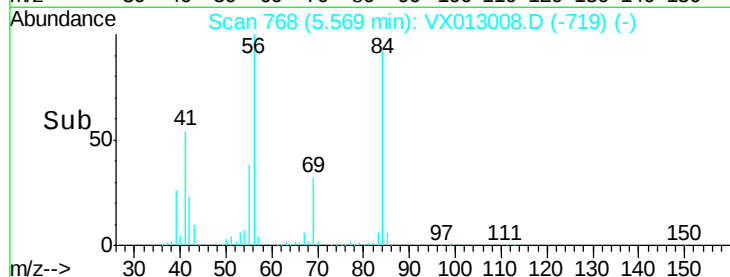
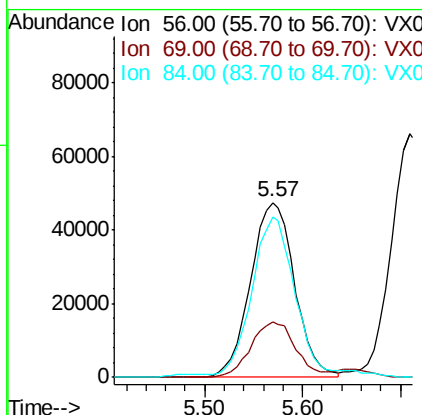
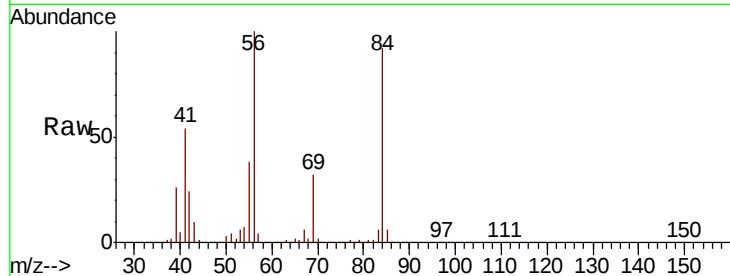
#31
Cyclohexane
Concen: 49.671 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.2	37.8
84	89.9	71.3	106.9

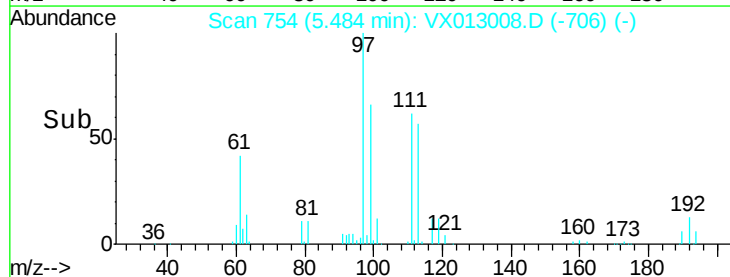
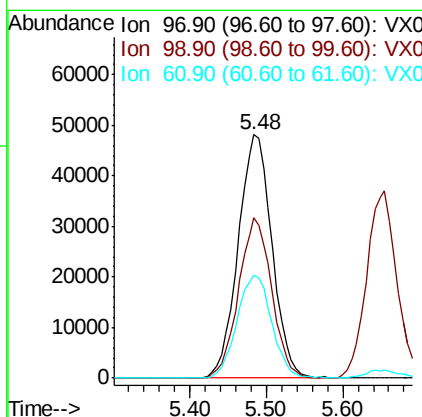
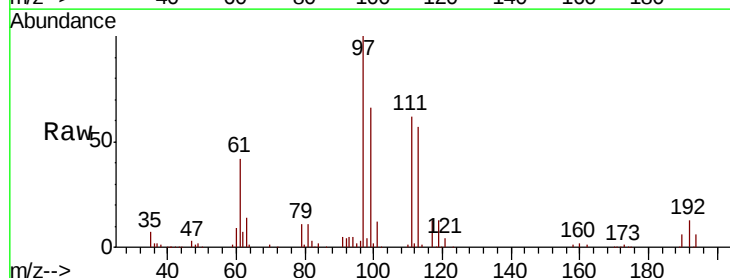
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#32
1,1,1-Trichloroethane
Concen: 53.136 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.3	78.5
61	43.7	35.0	52.4





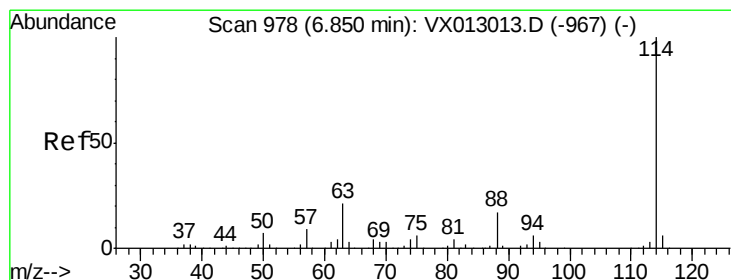
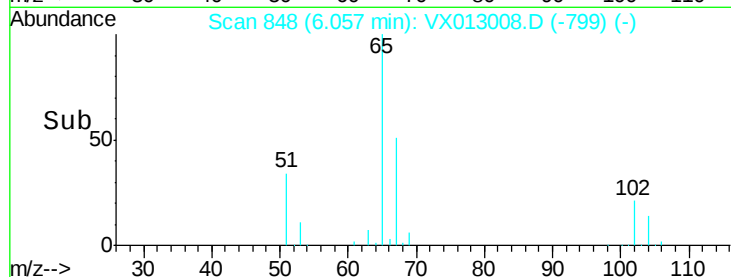
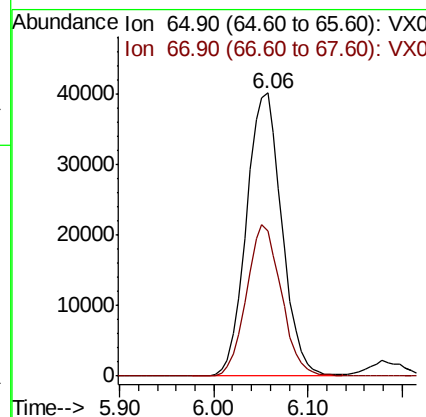
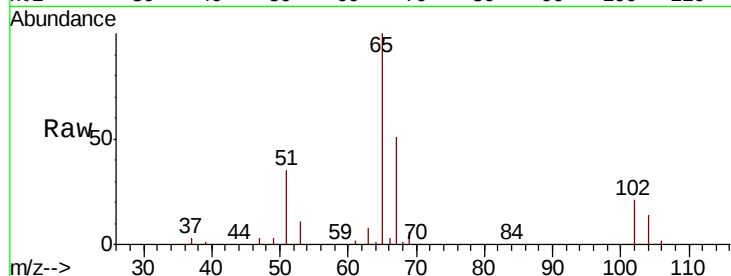
#33
 1,2-Dichloroethane-d4
 Concen: 51.535 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VX013008.D
 Acq: 10 Oct 2019 20:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	106145		
67	52.5	0.0	104.4	

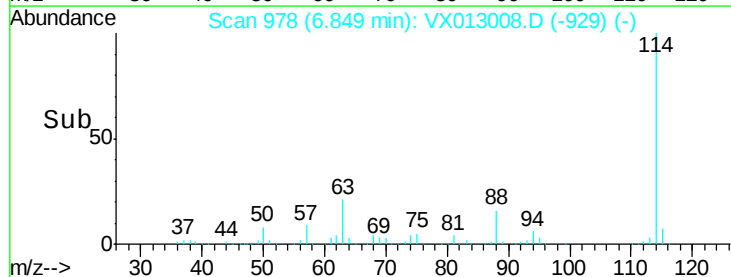
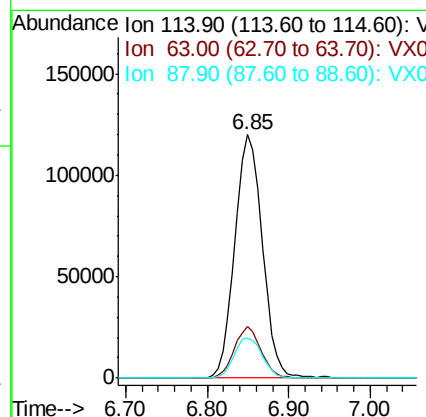
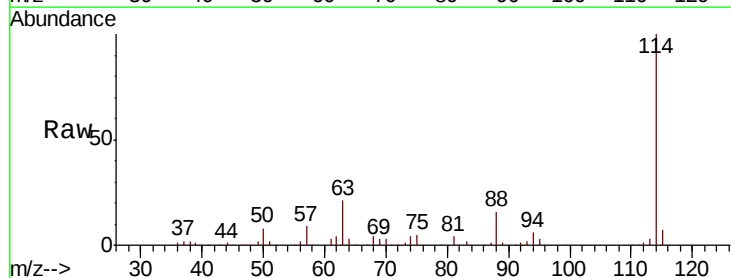
Manual Integrations
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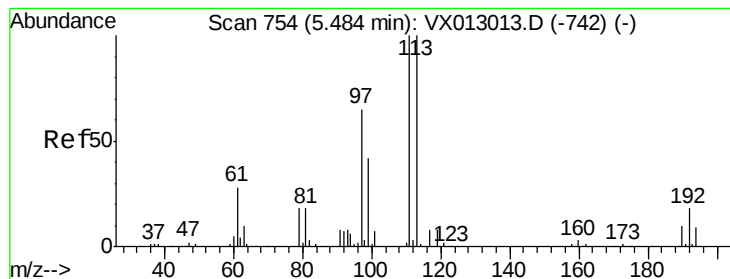
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013008.D
 Acq: 10 Oct 2019 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	279717		
63	21.3	0.0	40.8	
88	16.3	0.0	33.8	





#35

Dibromofluoromethane

Concen: 52.378 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

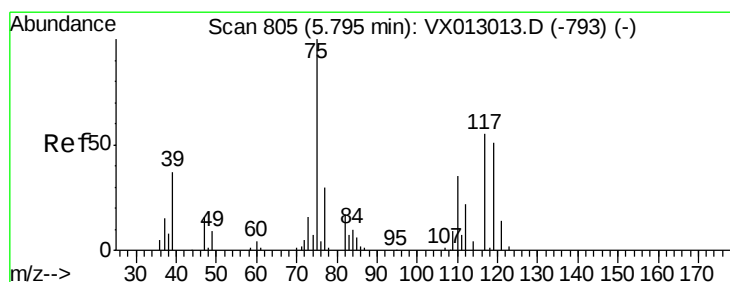
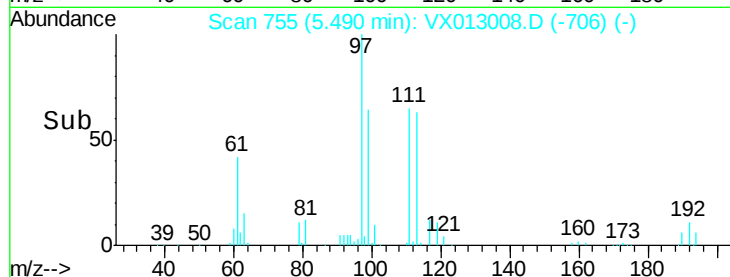
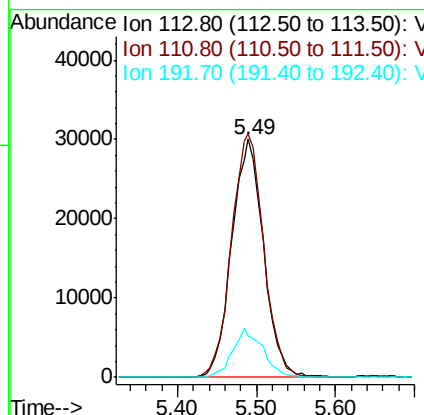
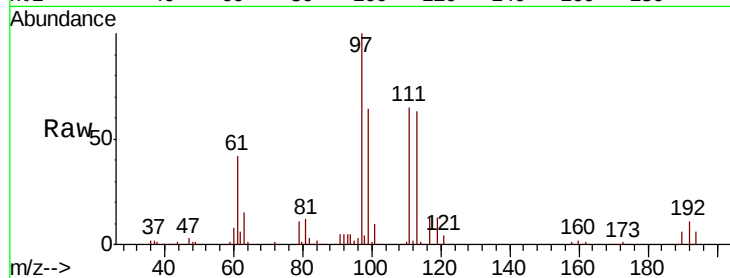
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	84089
Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.2	124.8
192	19.3	15.4	23.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.437 ug/l

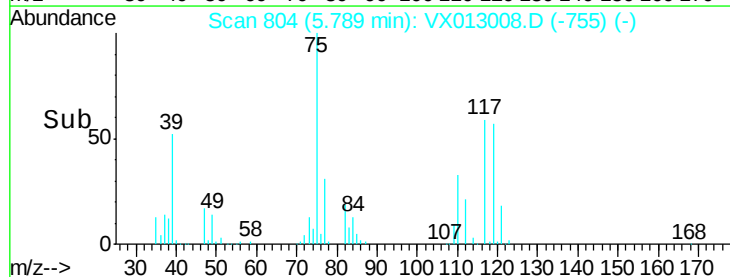
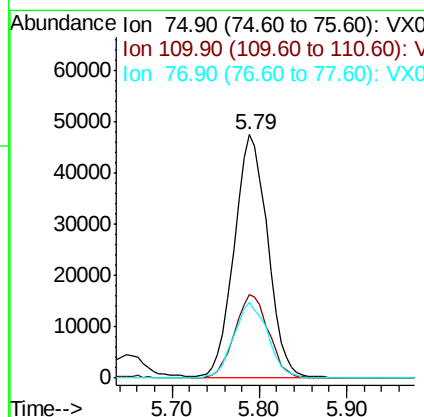
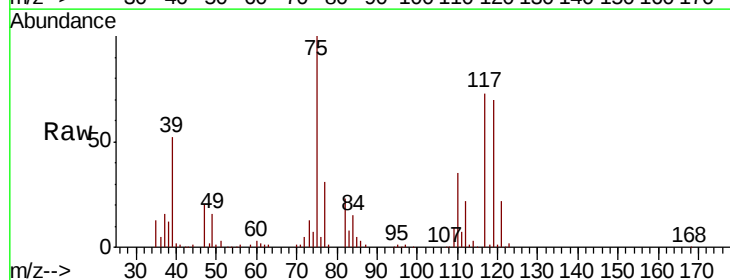
RT: 5.79 min Scan# 804

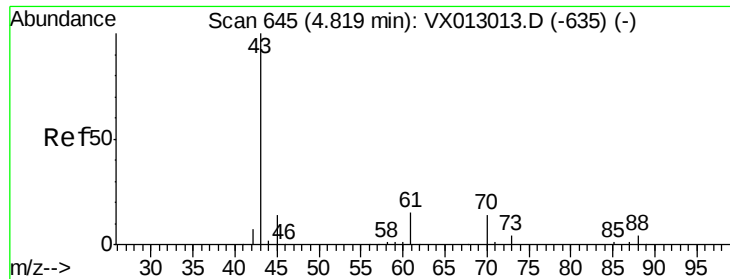
Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Tgt Ion:	75	Resp:	126499
Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.6	52.9
77	31.7	24.4	36.6





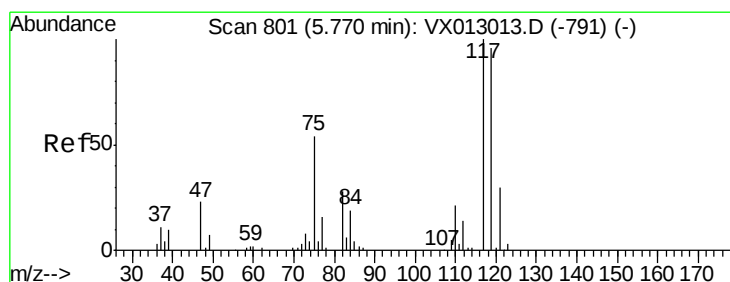
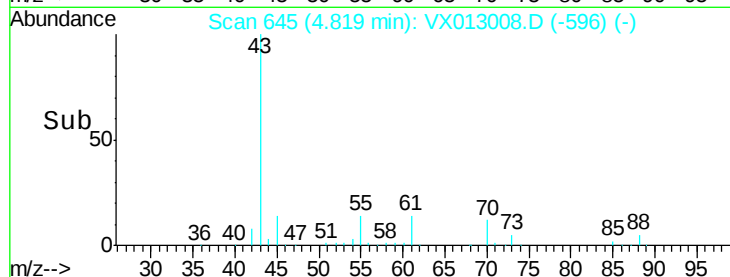
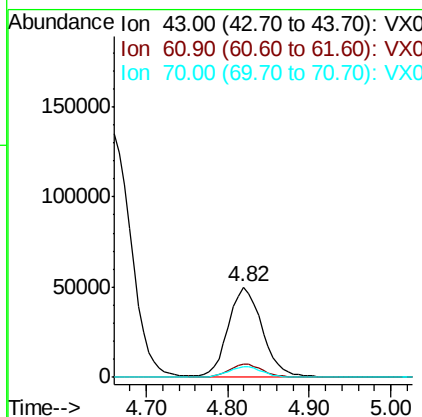
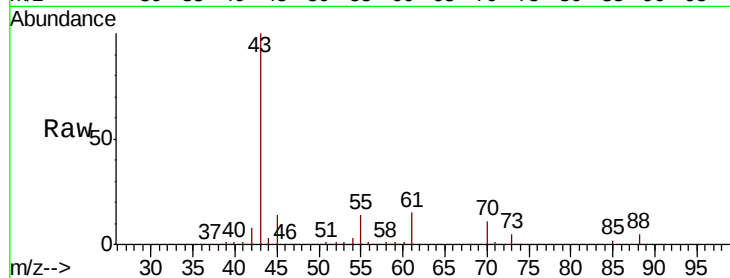
#37
Ethyl Acetate
Concen: 52.053 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.4	17.0
70	12.2	9.8	14.6

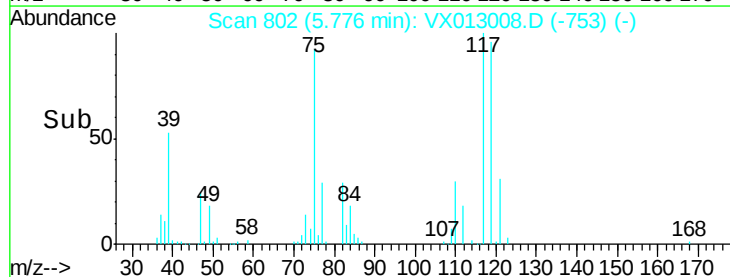
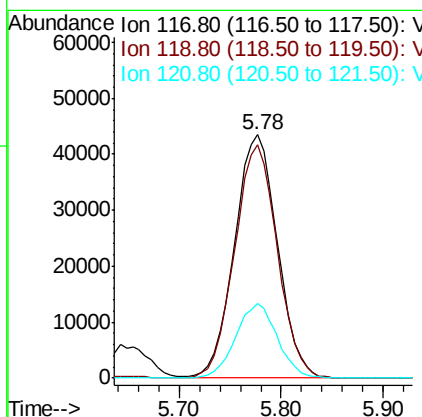
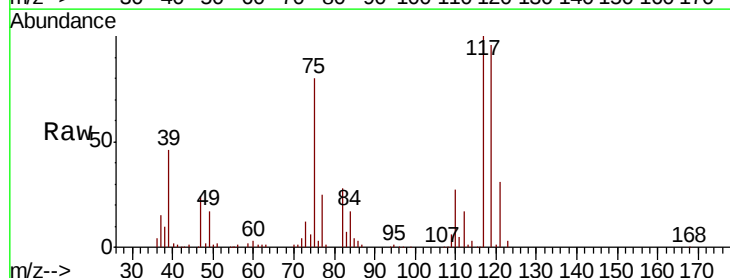
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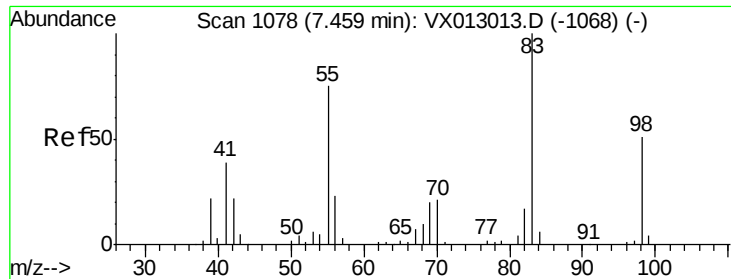
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.101 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	74.5	111.7
121	30.5	24.2	36.4





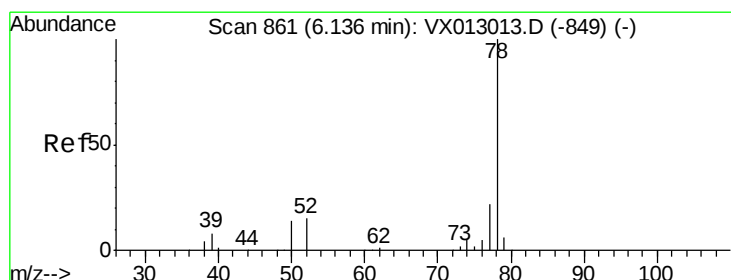
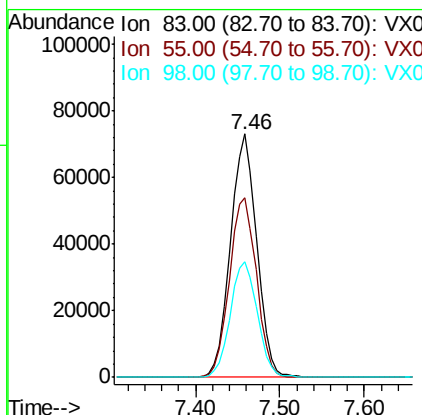
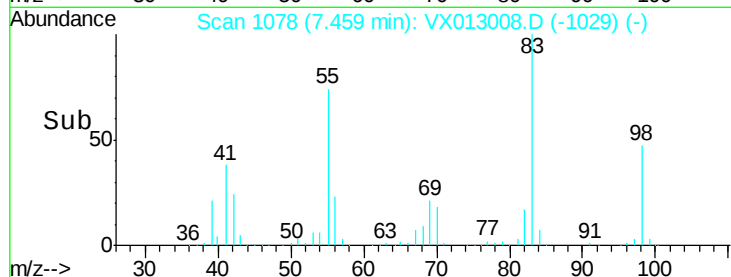
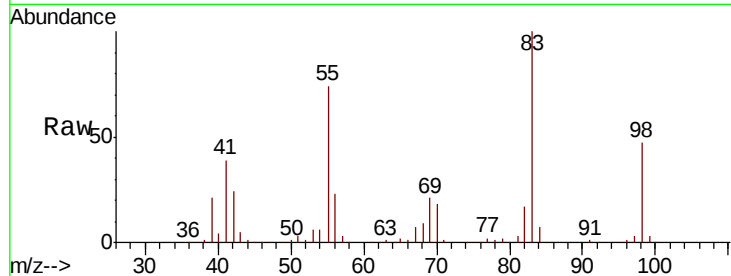
#39
Methvlcvclohexane
Concen: 51.701 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	60.2	90.4
98	47.4	38.5	57.7

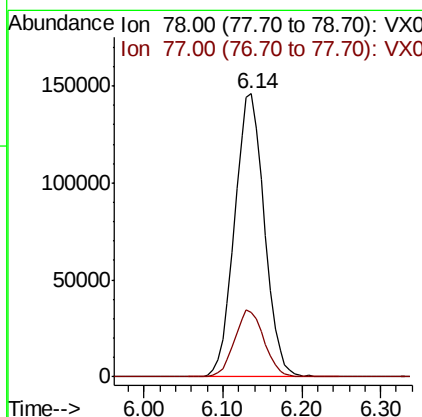
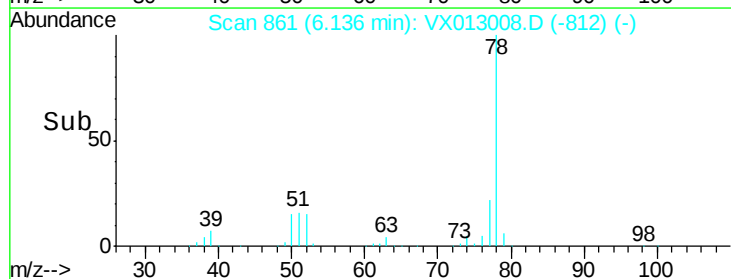
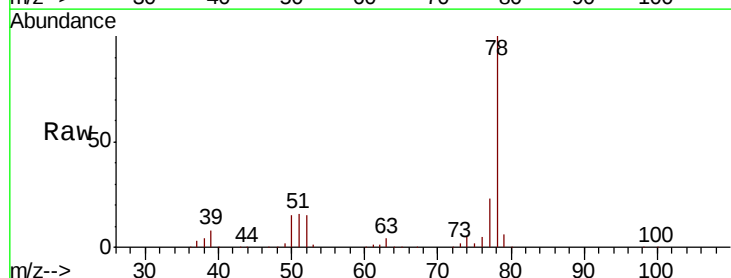
Manual Integrations
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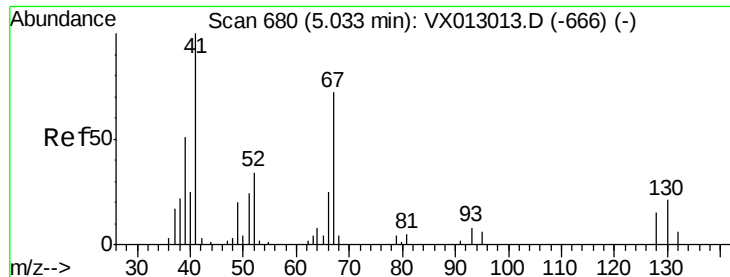
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#40
Benzene
Concen: 52.770 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.4





#41

Methacrylonitrile

Concen: 52.452 ug/l

RT: 5.03 min Scan# 680

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 79259

Ion Ratio Lower Upper

41 100

39 55.7 44.0 66.0

67 73.4 58.5 87.7

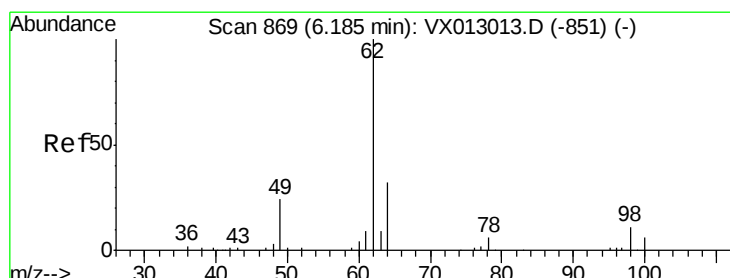
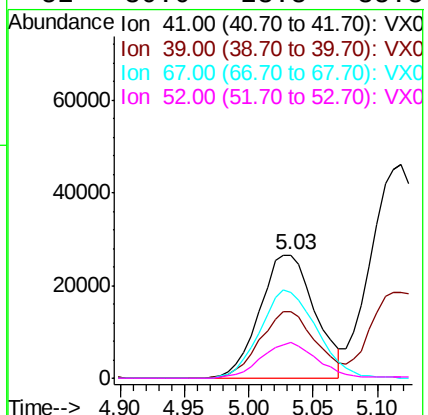
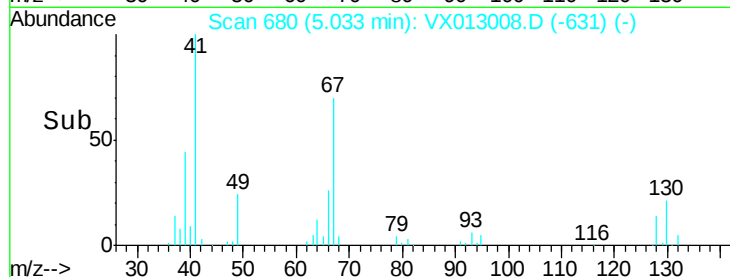
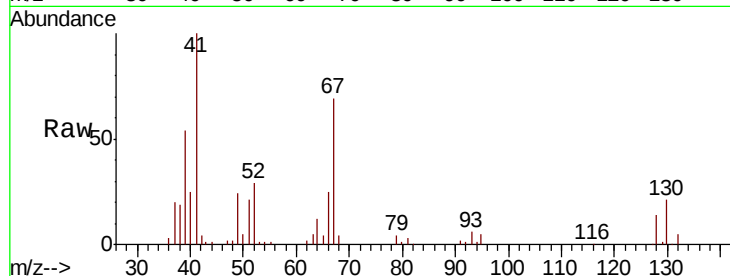
52 30.0 23.8 35.8

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 53.479 ug/l

RT: 6.18 min Scan# 869

Delta R.T. -0.00 min

Lab File: VX013008.D

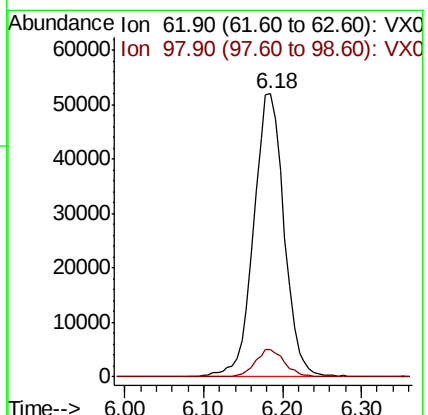
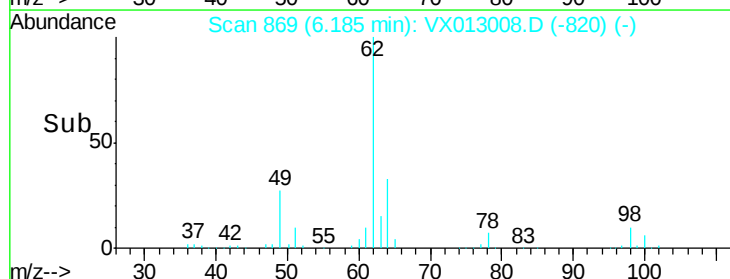
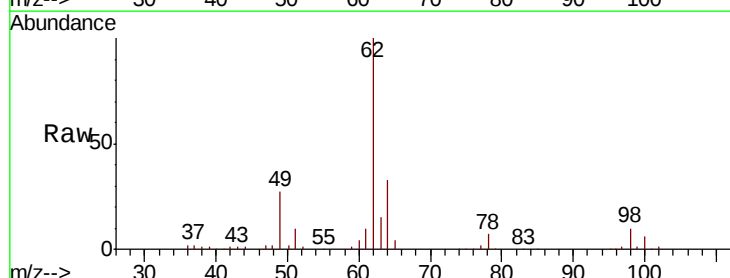
Acq: 10 Oct 2019 20:00

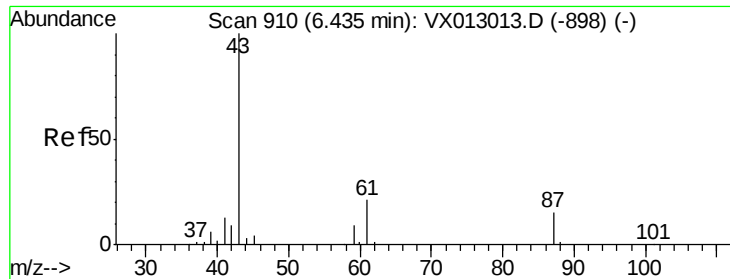
Tgt Ion: 62 Resp: 139385

Ion Ratio Lower Upper

62 100

98 9.3 0.0 20.4





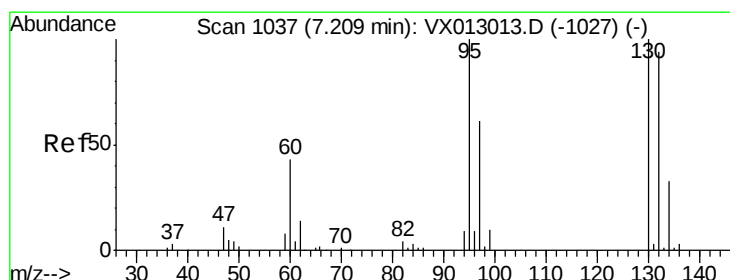
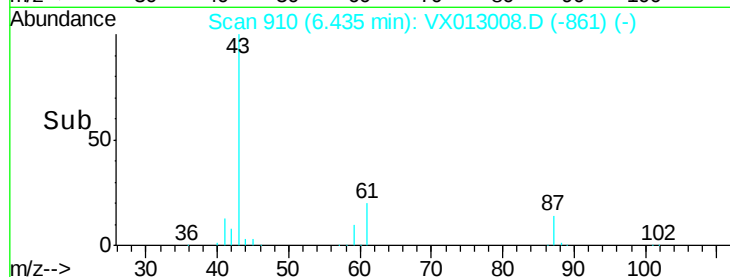
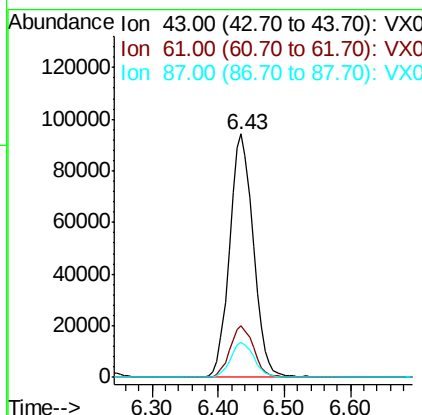
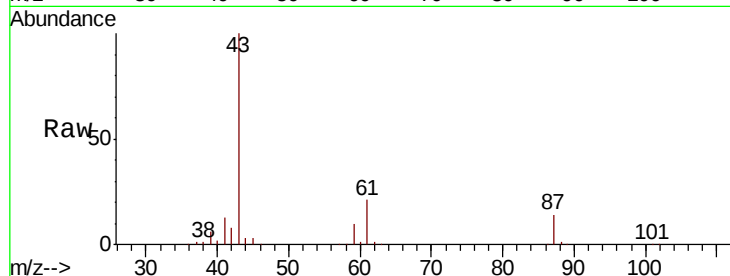
#43
Isopropyl Acetate
Concen: 53.134 ug/l
RT: 6.43 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.6	24.8
87	14.2	11.0	16.6

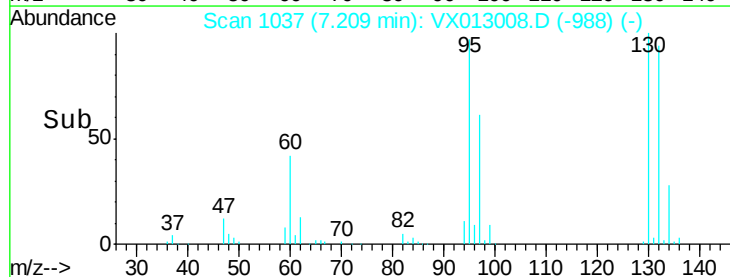
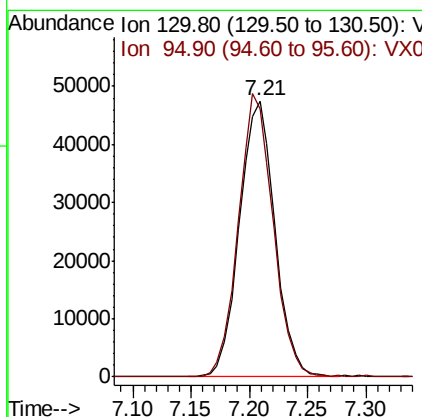
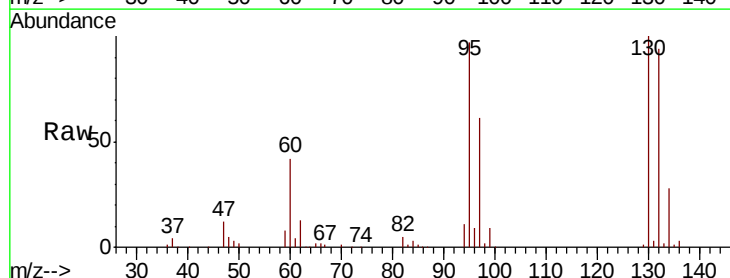
Manual Integrations
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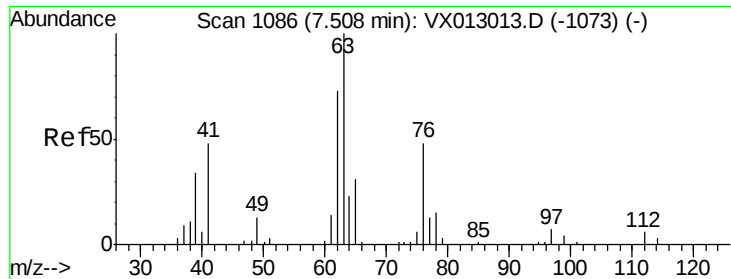
MMDadoda
10/14/2019 1:06:13 PM



#44
Trichloroethene
Concen: 49.932 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	189.2





#45

1,2-Dichloropropane

Concen: 52.757 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 97666

Ion Ratio Lower Upper

63 100

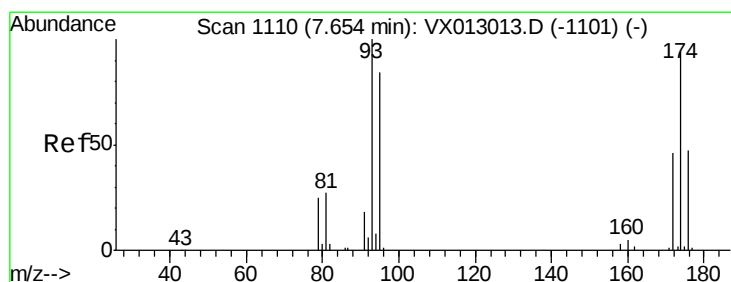
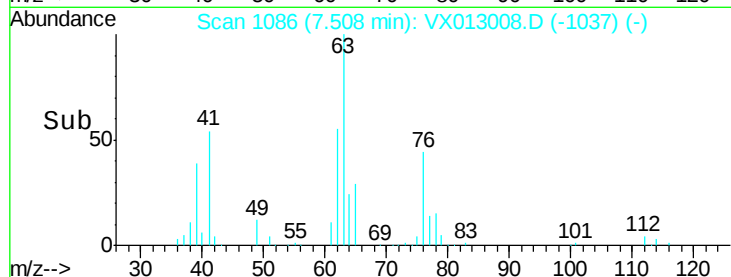
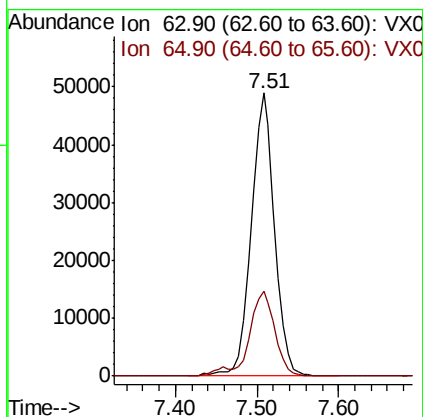
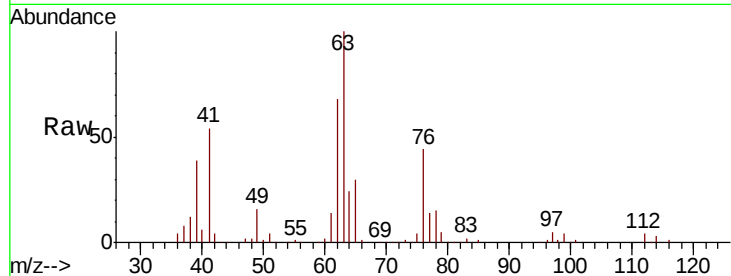
65 30.1 24.6 37.0

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10/14/2019 1:06:13 PM



#46

Dibromomethane

Concen: 53.014 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

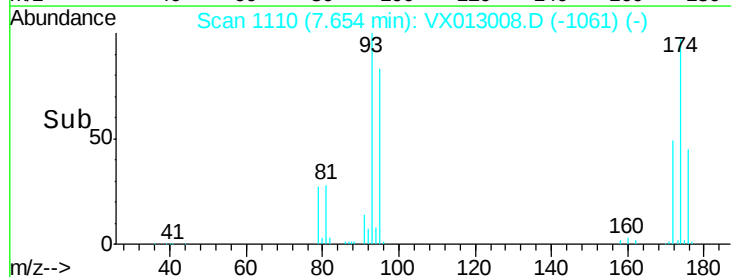
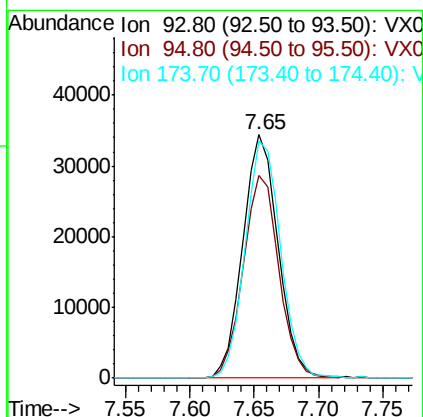
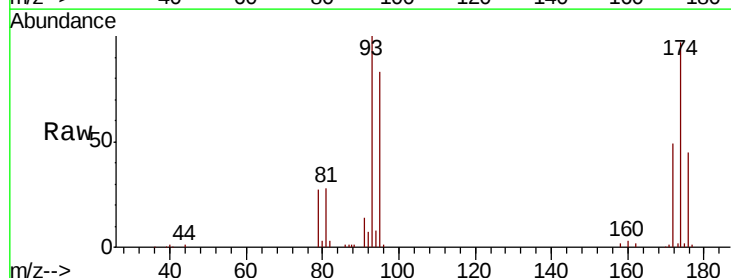
Tgt Ion: 93 Resp: 65387

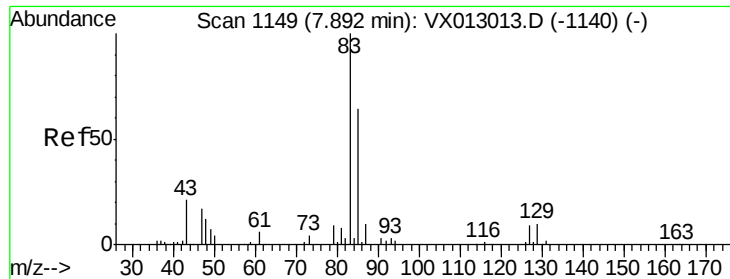
Ion Ratio Lower Upper

93 100

95 84.1 66.3 99.5

174 97.9 77.8 116.6





#47

Bromodichloromethane

Concen: 54.456 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

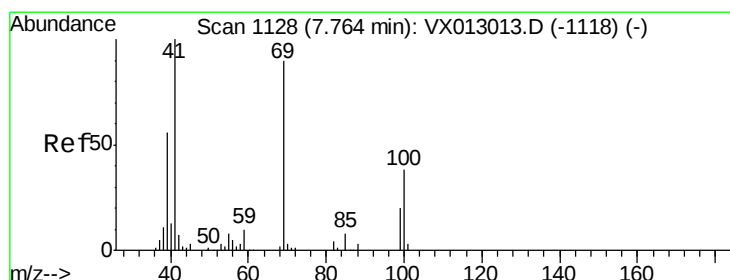
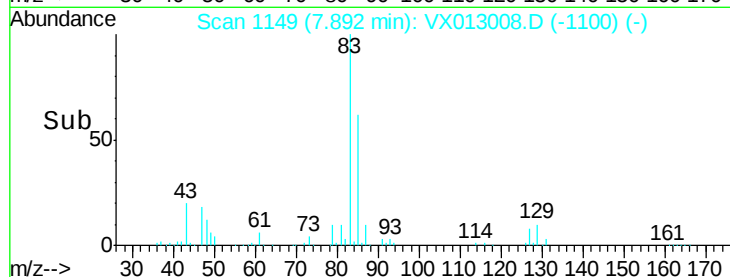
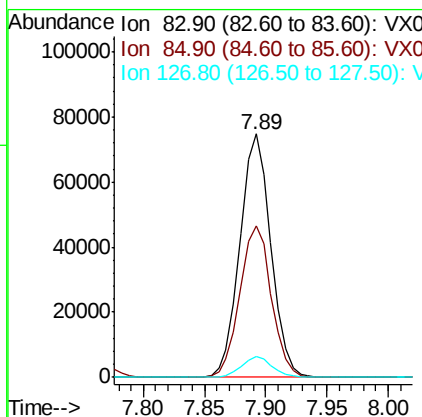
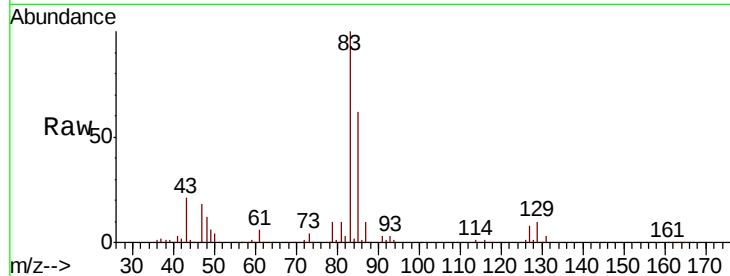
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	131076
Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.4	78.6
127	8.4	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.811 ug/l

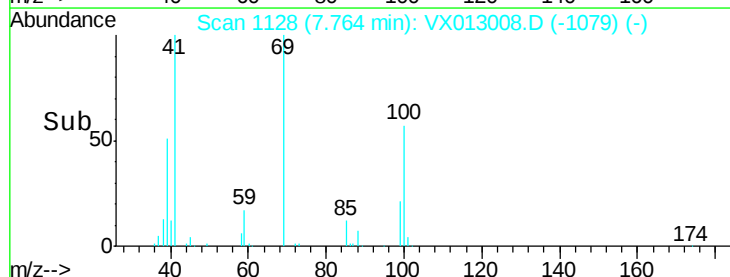
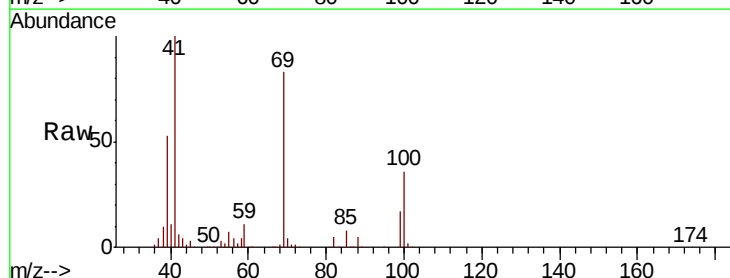
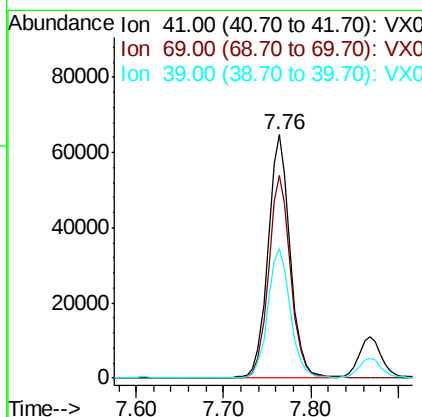
RT: 7.76 min Scan# 1128

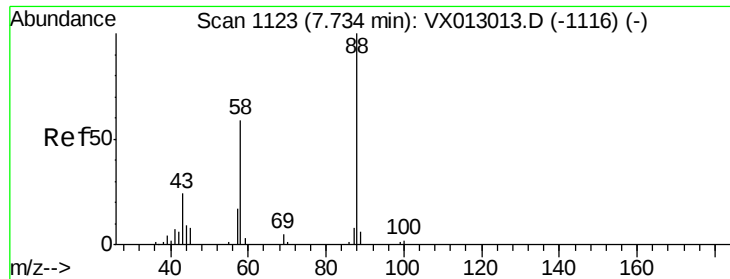
Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Tgt Ion:	41	Resp:	115740
Ion	Ratio	Lower	Upper
41	100		
69	83.1	68.7	103.1
39	54.2	44.3	66.5





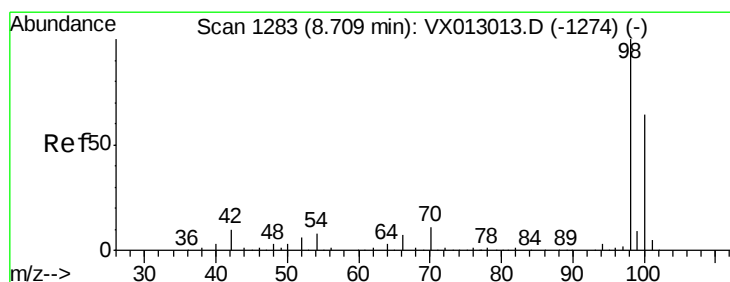
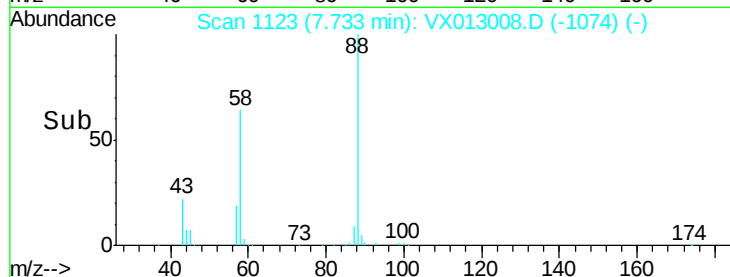
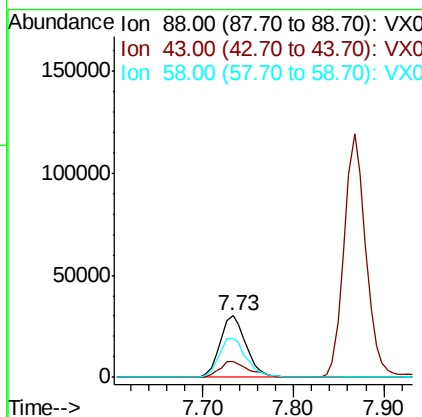
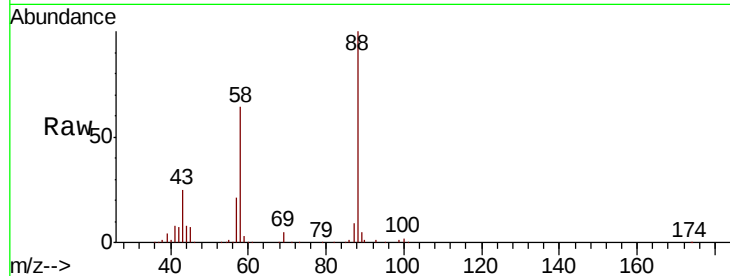
#49
1,4-Dioxane
Concen: 1043.214 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	25.0	37.6
58	67.2	55.4	83.2

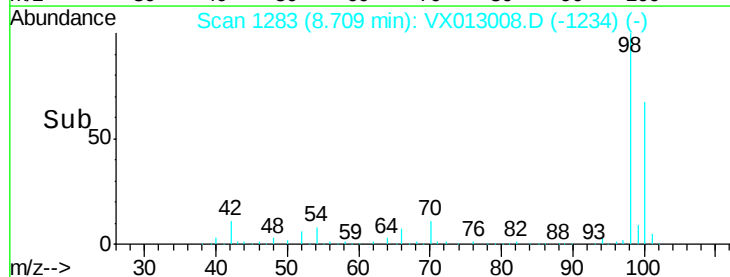
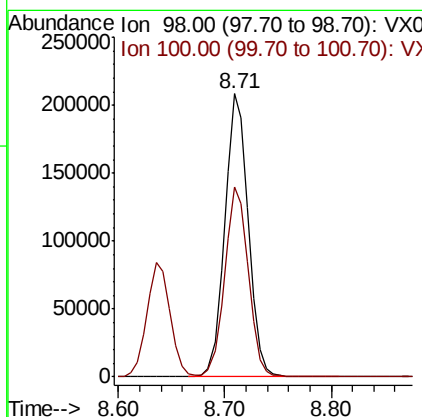
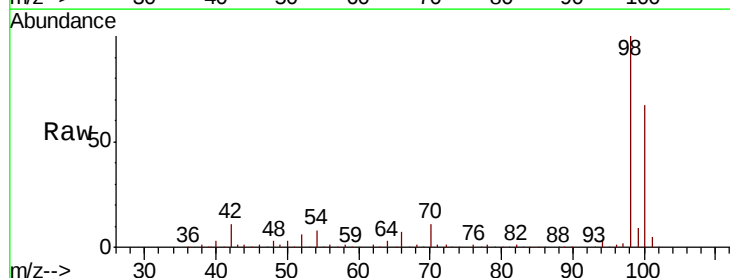
Manual Integrations
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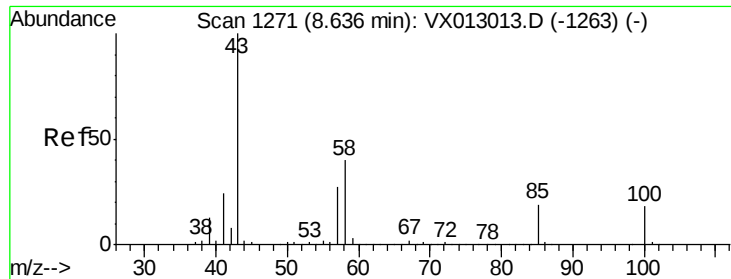
MMDadoda
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#50
Toluene-d8
Concen: 51.411 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 269.888 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 742701

Ion Ratio Lower Upper

43 100

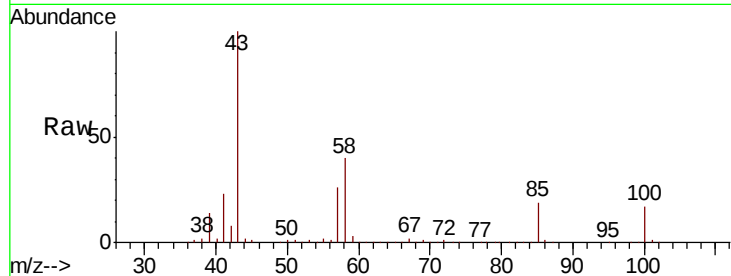
58 40.7 32.4 48.6

Manual Integrations

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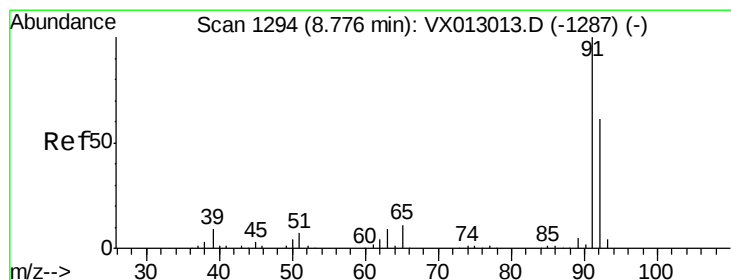
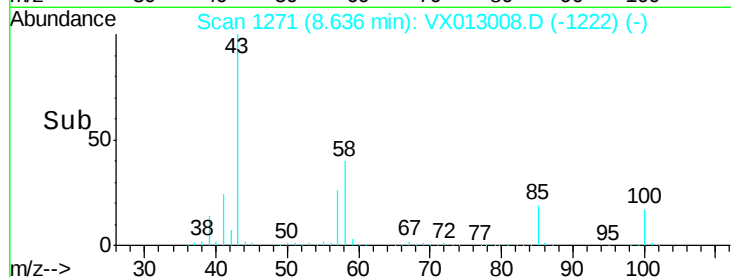
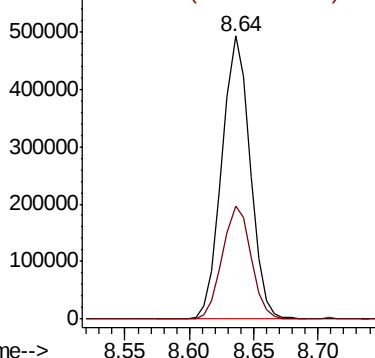
MMDadoda

10/14/2019 1:06:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.917 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013008.D

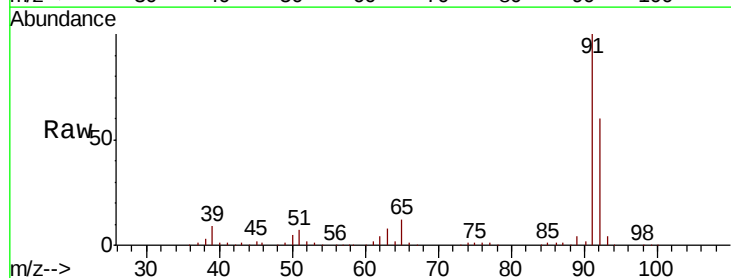
Acq: 10 Oct 2019 20:00

Tgt Ion: 92 Resp: 245899

Ion Ratio Lower Upper

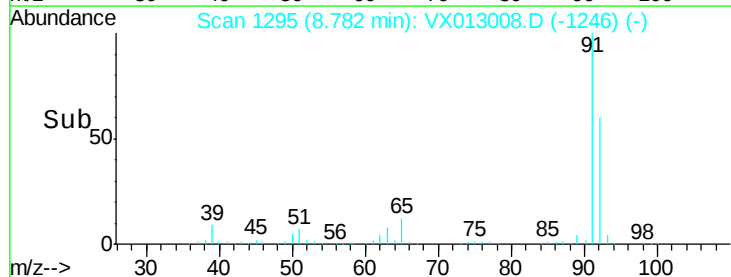
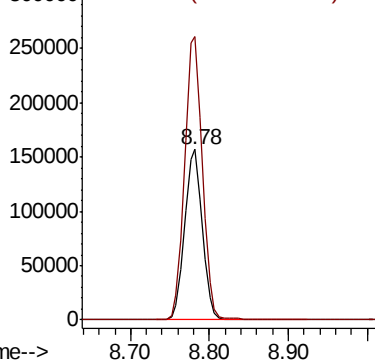
92 100

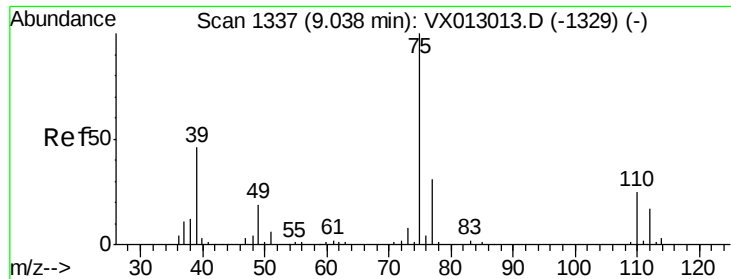
91 167.4 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





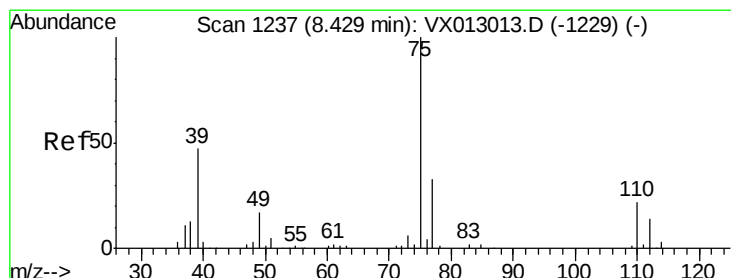
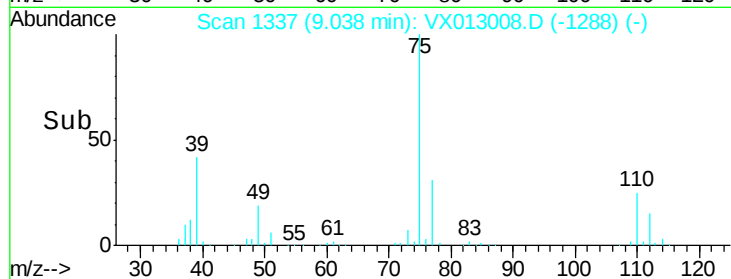
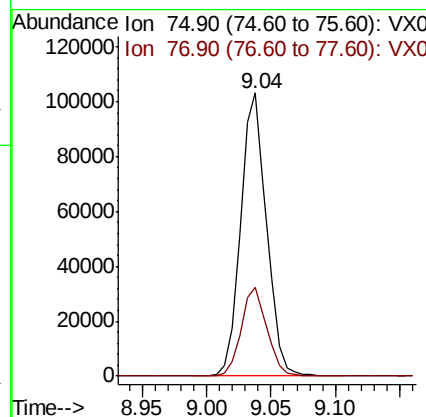
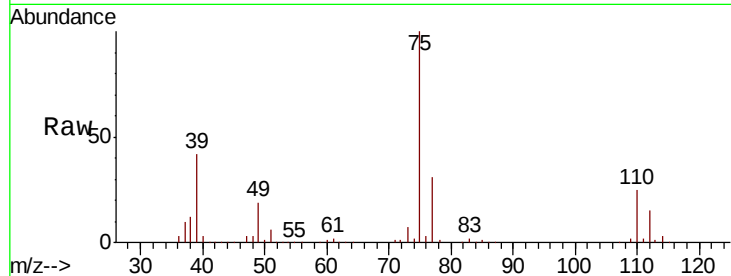
#53
 t-1,3-Dichloropropene
 Concen: 47.852 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX013008.D
 Acq: 10 Oct 2019 20:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 143447
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.8 38.6

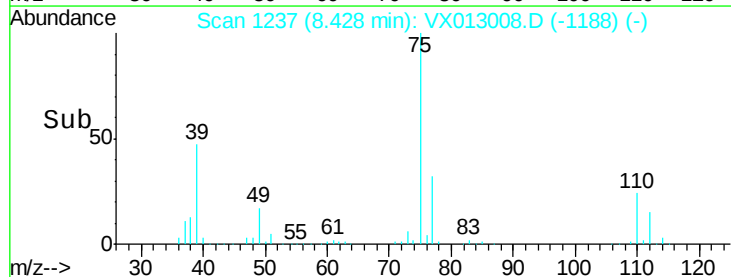
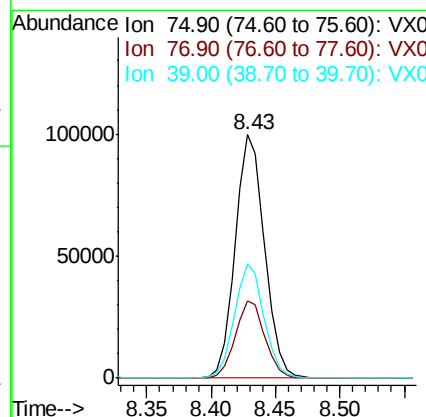
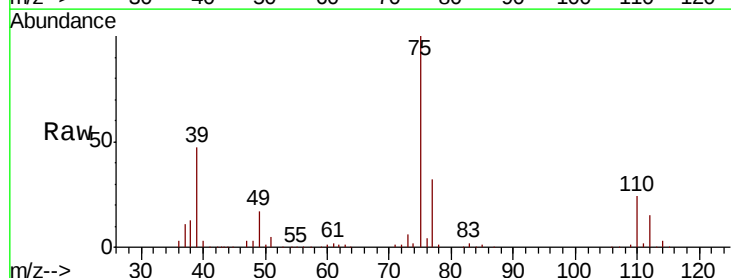
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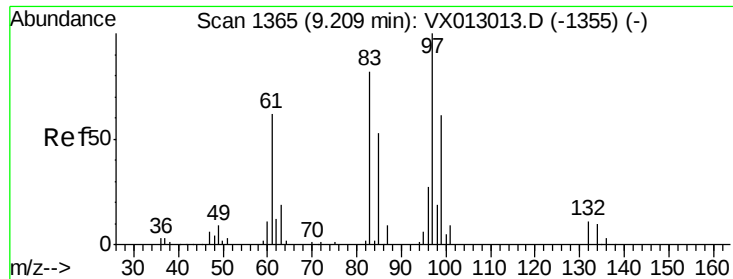
MMDadoda
 10/14/2019 1:06:13 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.380 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013008.D
 Acq: 10 Oct 2019 20:00

Tgt Ion: 75 Resp: 158026
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8
 39 47.0 38.2 57.2





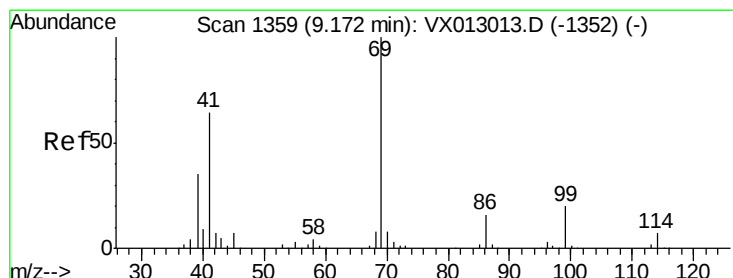
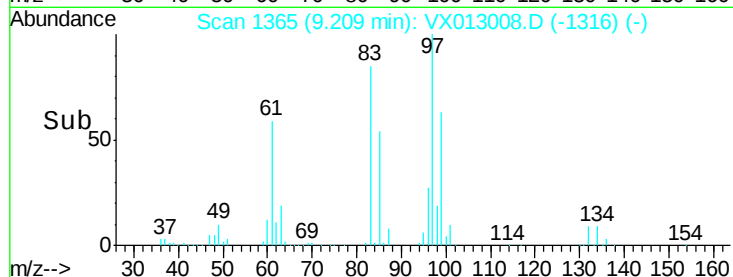
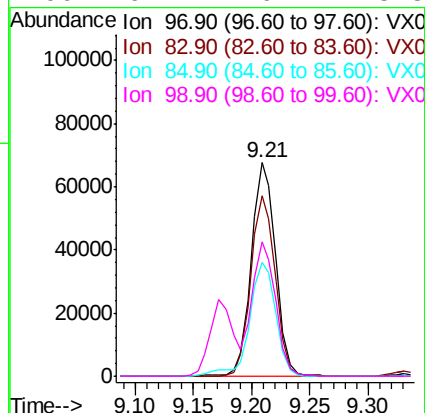
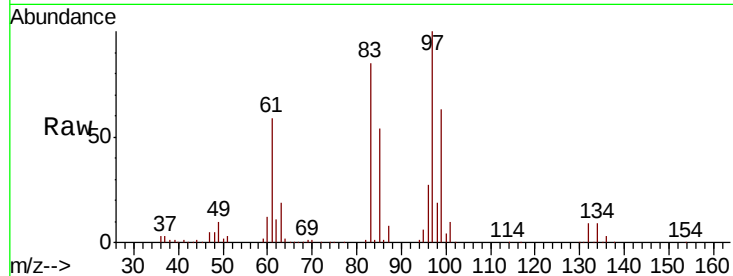
#55
 1,1,2-Trichloroethane
 Concen: 53.680 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013008.D
 Acq: 10 Oct 2019 20:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	98717
Ion	Ratio	Lower	Upper
97	100		
83	84.6	66.5	99.7
85	53.6	43.1	64.7
99	62.7	49.2	73.8

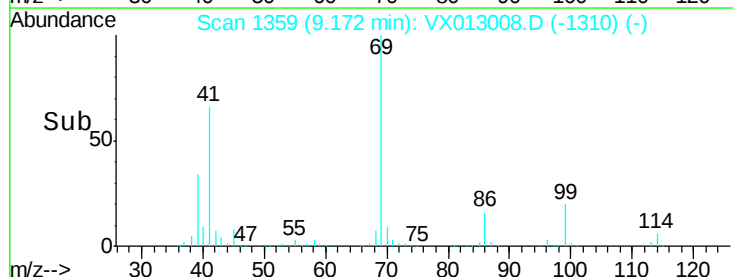
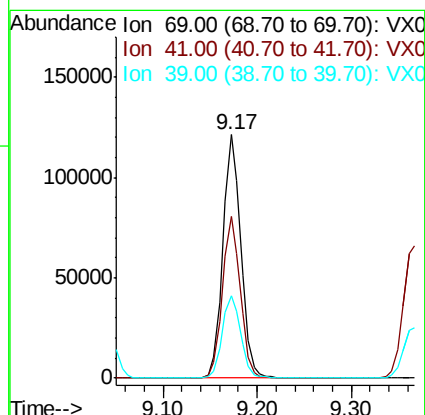
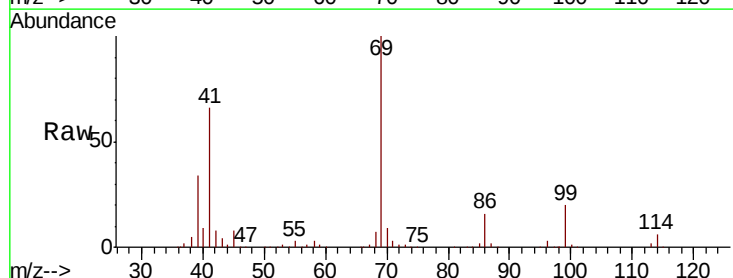
Manual Integrations
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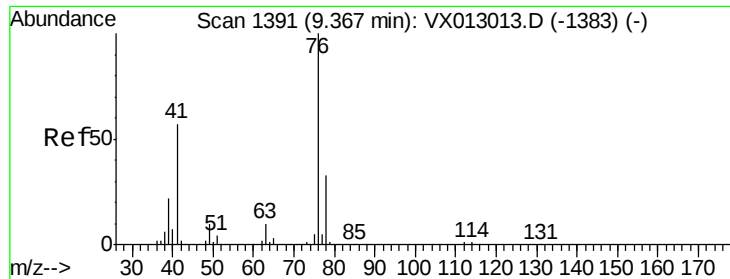
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 10/14/2019 1:06:13 PM



#56
 Ethyl methacrylate
 Concen: 49.035 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013008.D
 Acq: 10 Oct 2019 20:00

Tgt Ion:	69	Resp:	161352
Ion	Ratio	Lower	Upper
69	100		
41	66.0	52.1	78.1
39	34.9	27.8	41.8





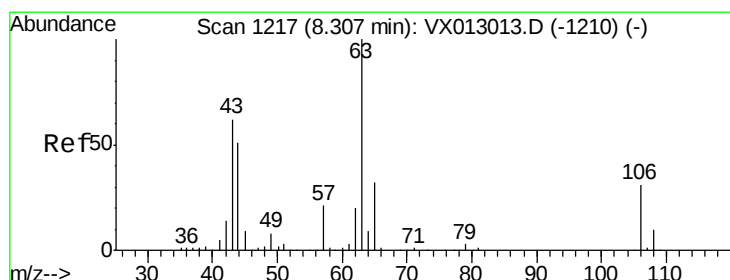
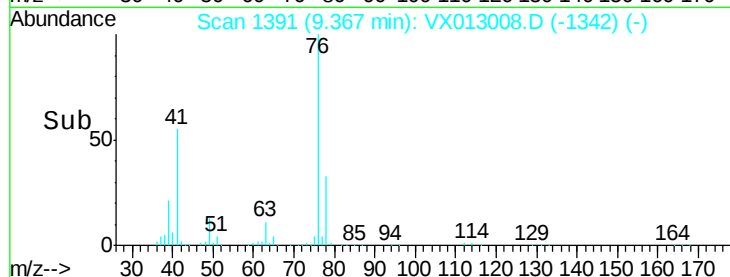
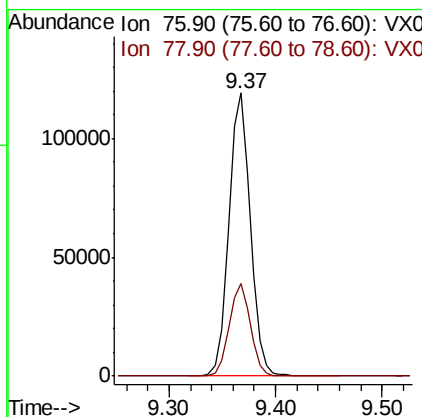
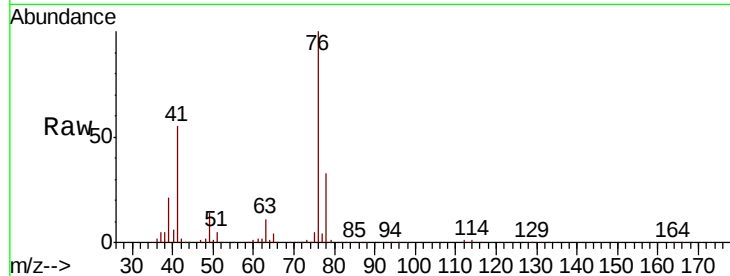
#57
 1,3-Dichloropropane
 Concen: 52.939 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX013008.D
 Acq: 10 Oct 2019 20:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 168403
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1

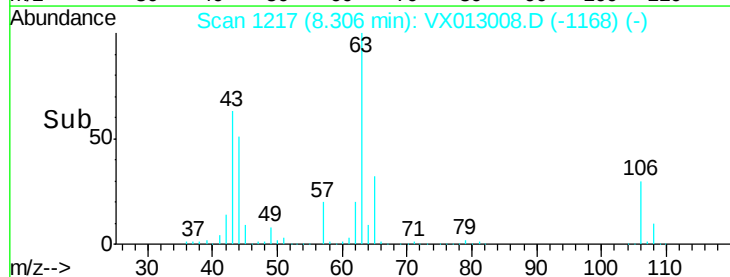
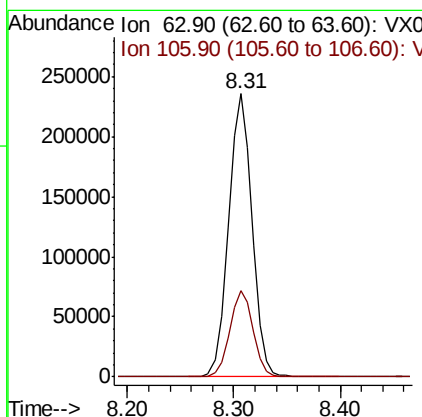
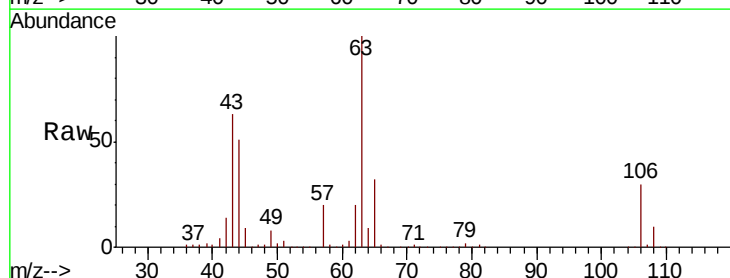
Manual Integrations
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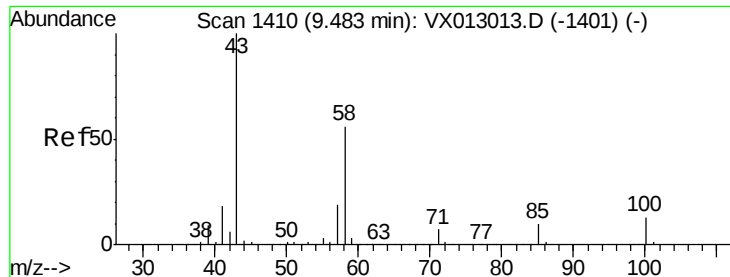
MMDadoda
 10/14/2019 1:06:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.542 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX013008.D
 Acq: 10 Oct 2019 20:00

Tgt Ion: 63 Resp: 364138
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.8 35.8





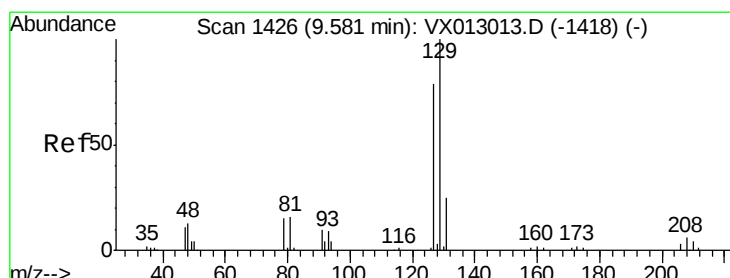
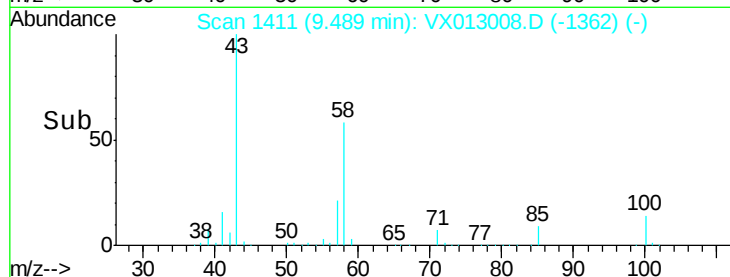
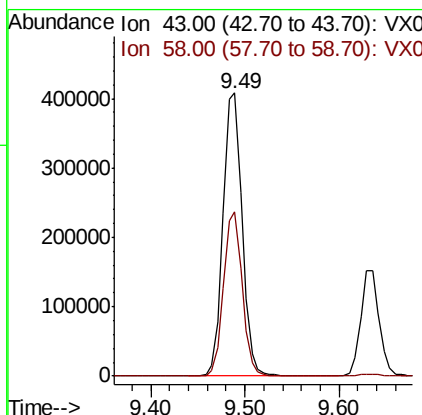
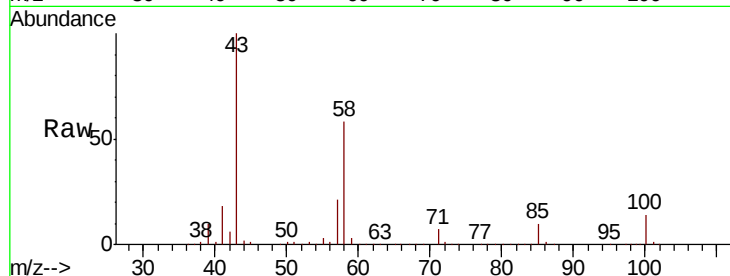
#59
2-Hexanone
Concen: 268.319 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 574783
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.3

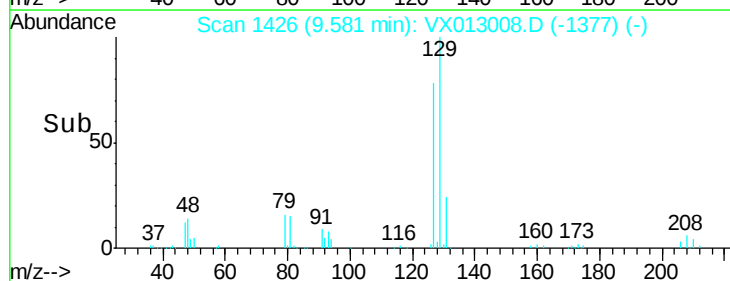
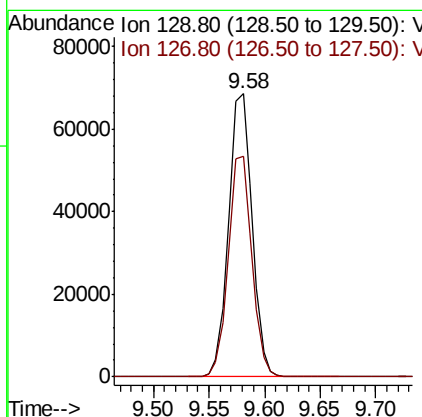
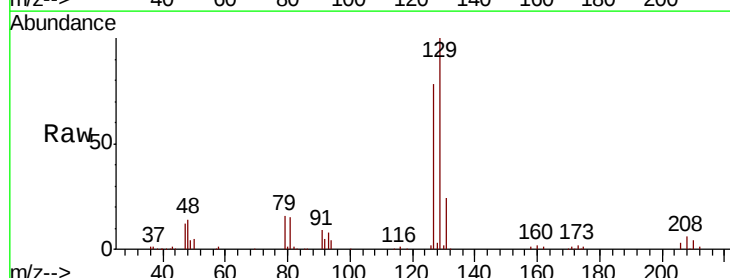
Manual Integrations
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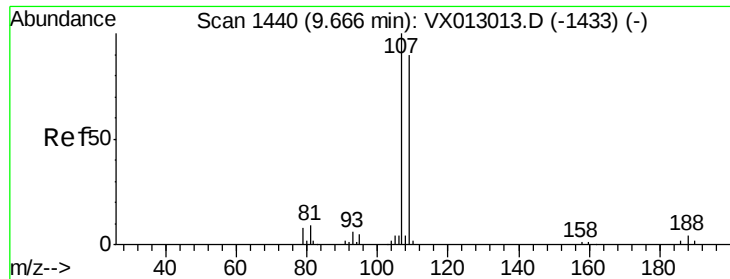
MMDadoda
10/14/2019 1:06:13 PM



#60
Dibromochloromethane
Concen: 49.111 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion: 129 Resp: 100435
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 52.767 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 102079

Ion Ratio Lower Upper

107 100

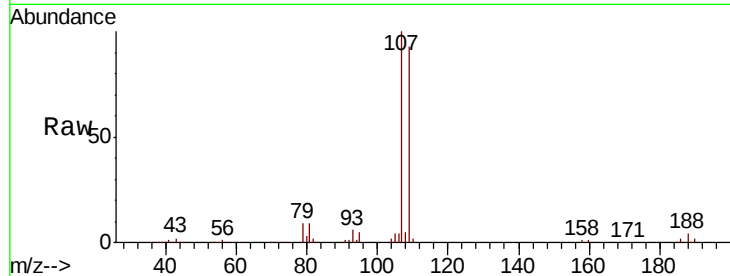
109 95.7 75.8 113.6

Manual Integrations

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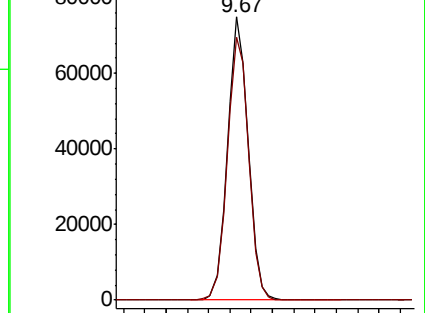
MMDadoda

10/14/2019 1:06:13 PM

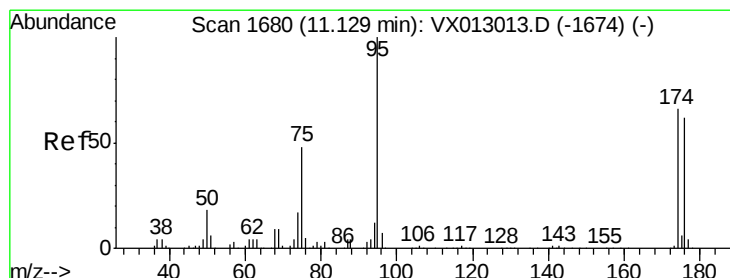
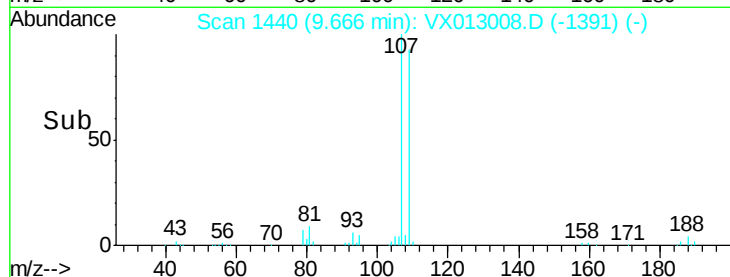


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 50.541 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

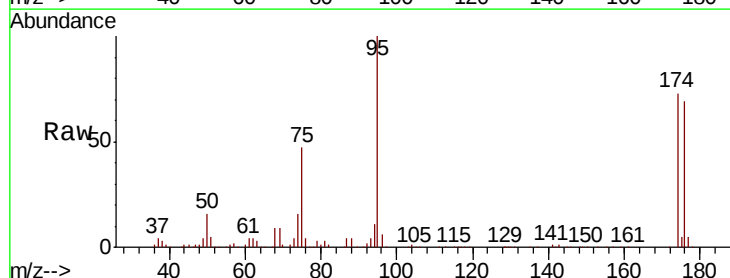
Tgt Ion: 95 Resp: 122965

Ion Ratio Lower Upper

95 100

174 73.9 0.0 143.4

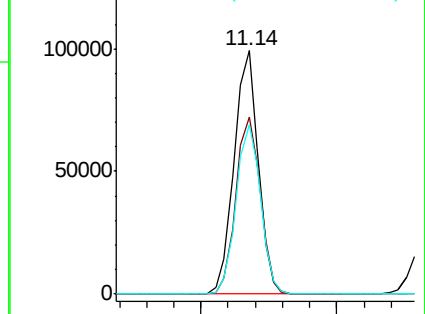
176 70.9 0.0 136.0



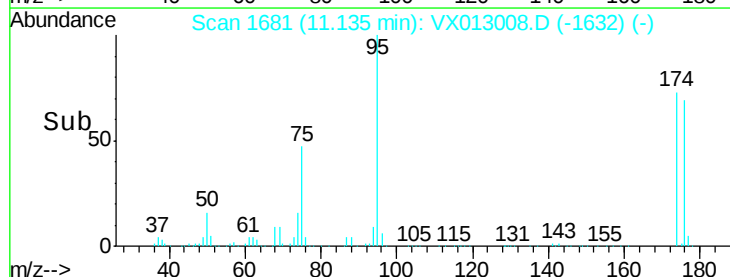
Abundance Ion 94.90 (94.60 to 95.60): VX0

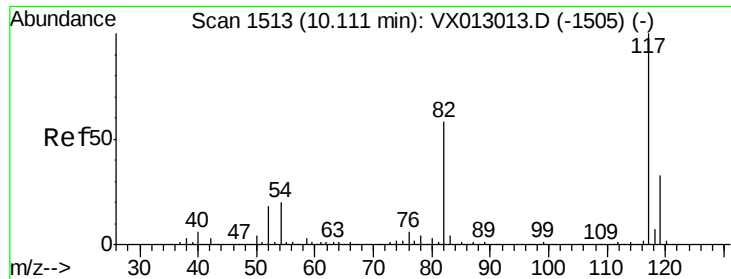
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





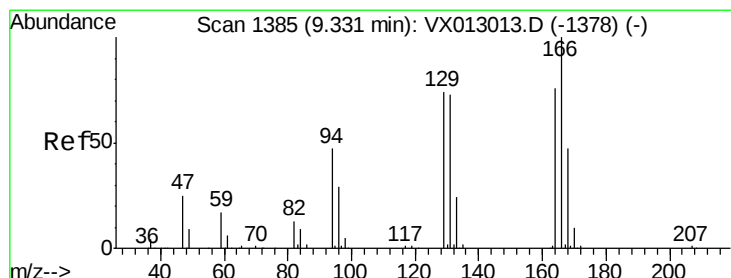
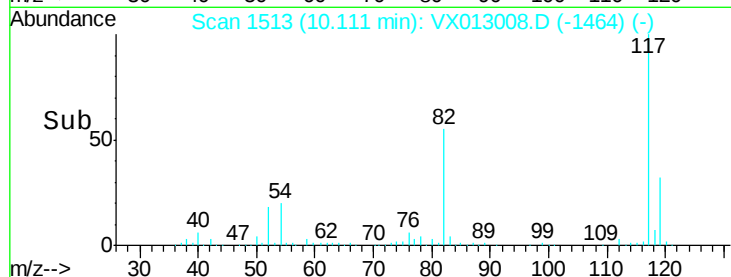
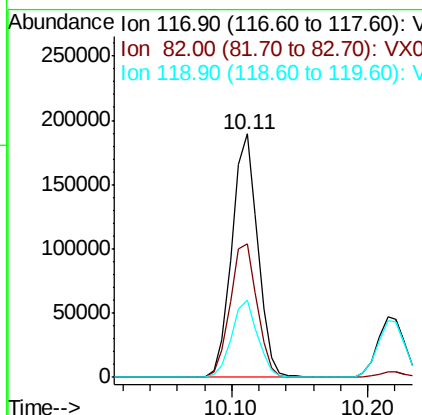
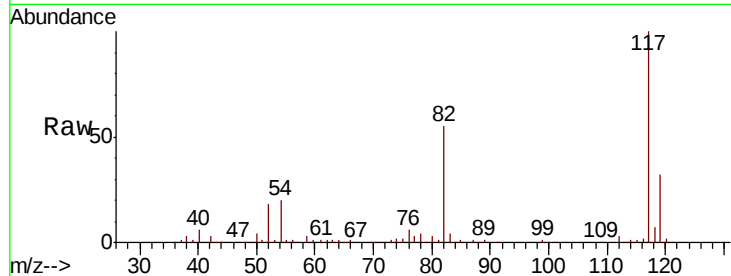
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.1	66.1
119	31.8	25.8	38.8

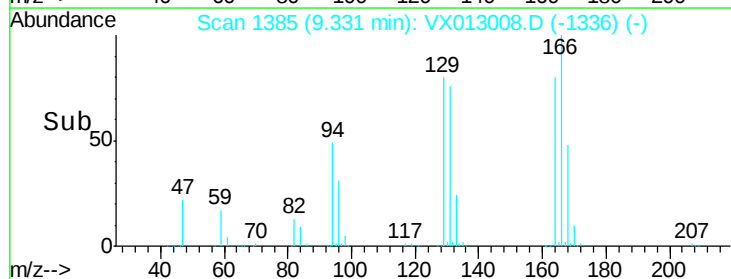
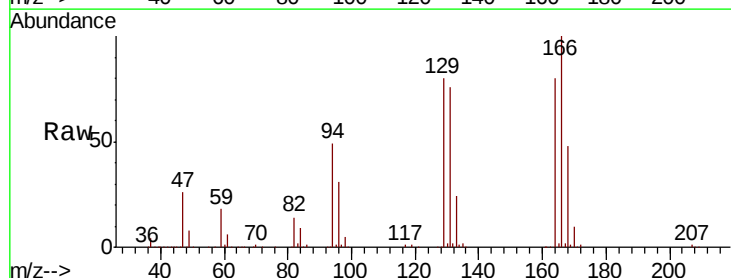
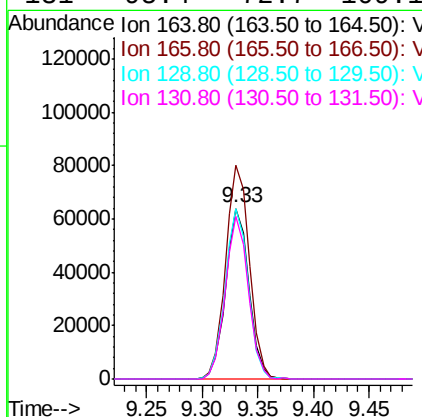
Manual Integrations
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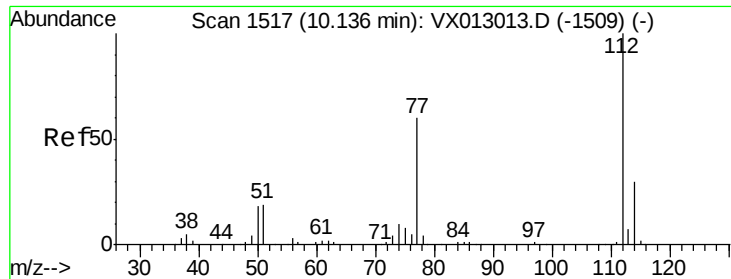
MMDadoda
10/14/2019 1:06:13 PM



#64
Tetrachloroethene
Concen: 52.926 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	96.9	145.3
129	100.4	77.9	116.9
131	95.4	72.7	109.1





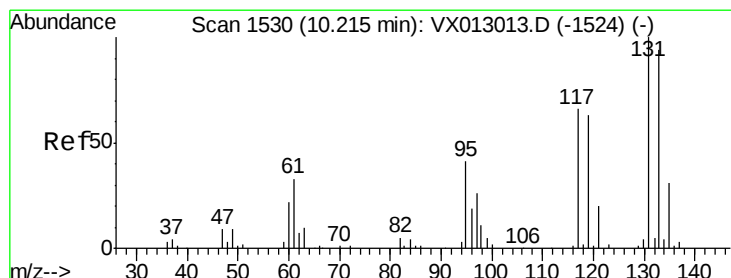
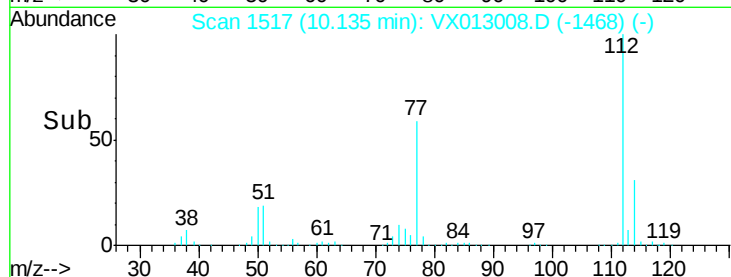
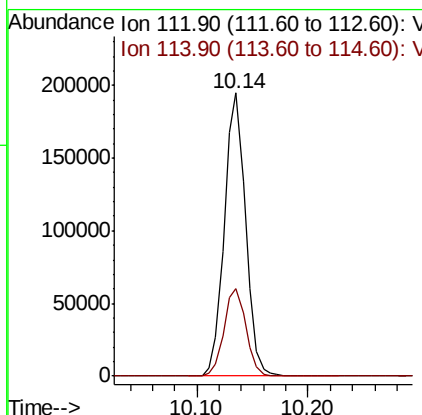
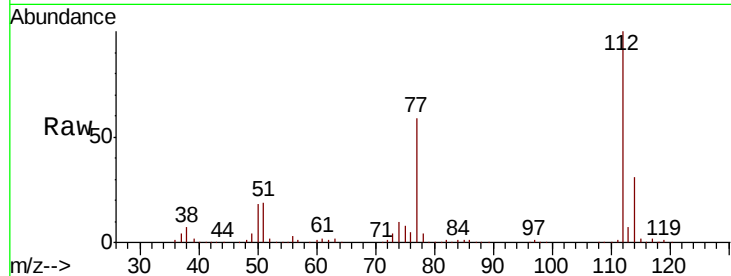
#65
Chlorobenzene
Concen: 51.588 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 257109
Ion Ratio Lower Upper
112 100
114 30.9 25.7 38.5

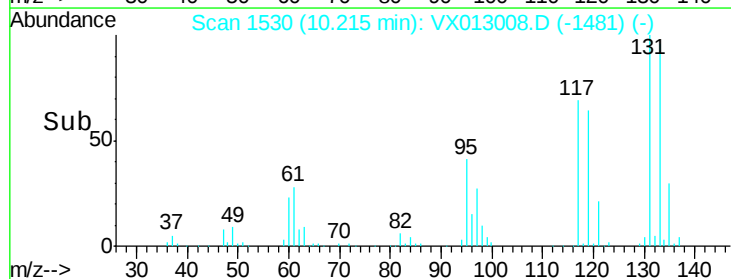
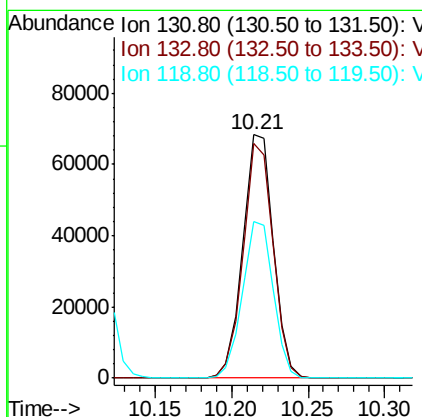
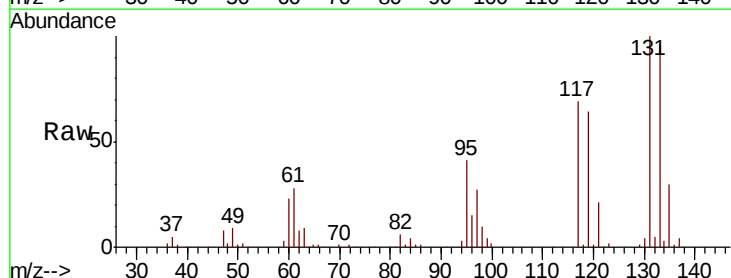
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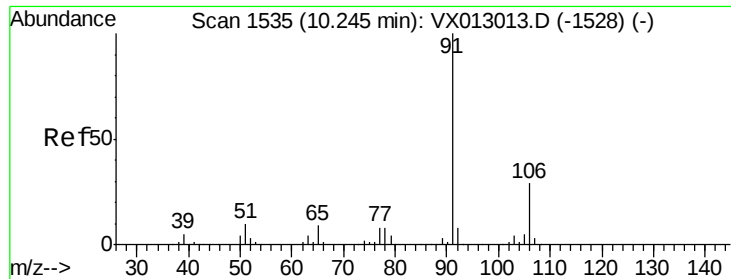
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.846 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion:131 Resp: 94774
Ion Ratio Lower Upper
131 100
133 94.5 47.2 141.6
119 64.9 32.6 98.0





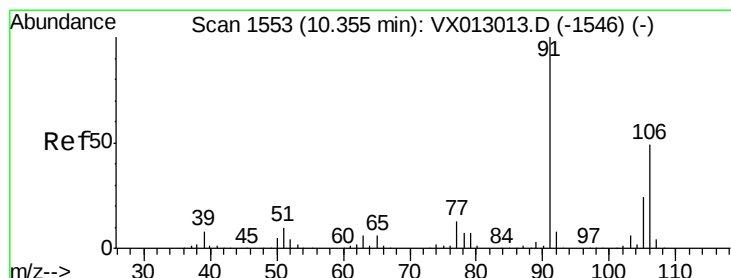
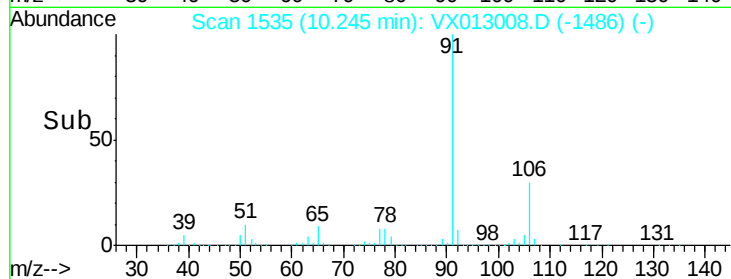
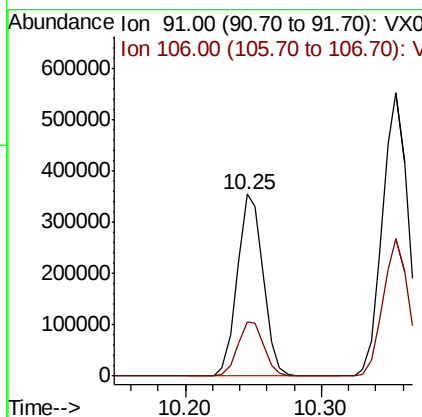
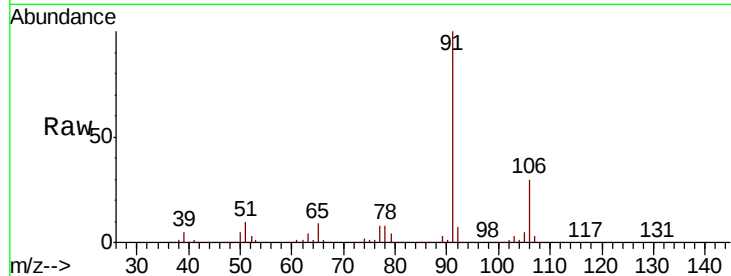
#67
Ethyl Benzene
Concen: 52.935 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 468624
Ion Ratio Lower Upper
91 100
106 29.8 23.9 35.9

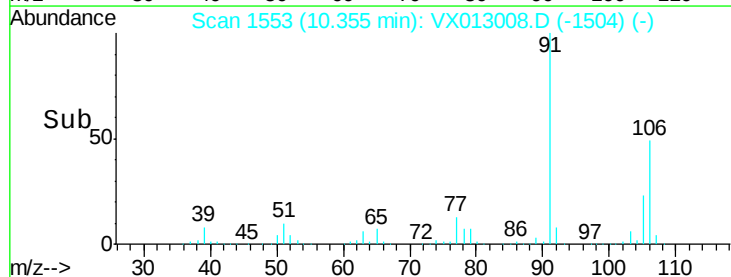
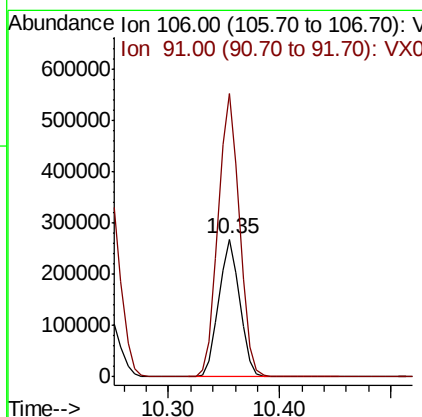
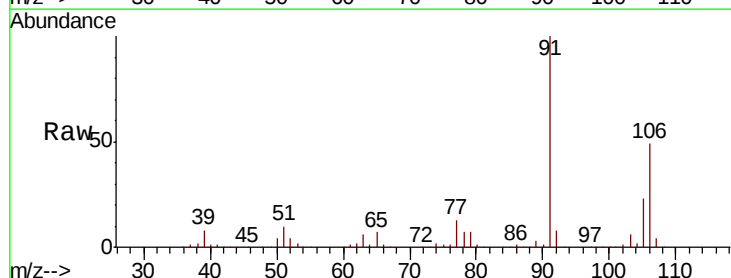
Manual Integrations
APPROVED

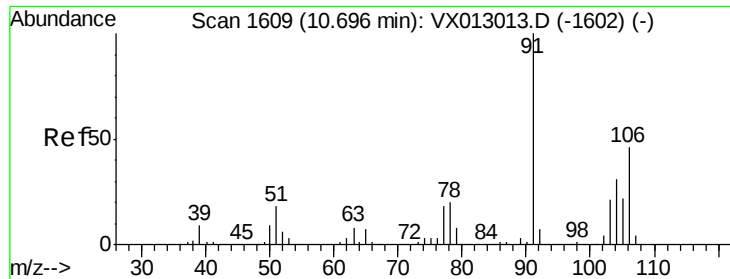
MMDadoda
10/14/2019 1:06:13 PM



#68
m/p-Xylenes
Concen: 106.125 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion: 106 Resp: 350980
Ion Ratio Lower Upper
106 100
91 208.2 165.3 247.9





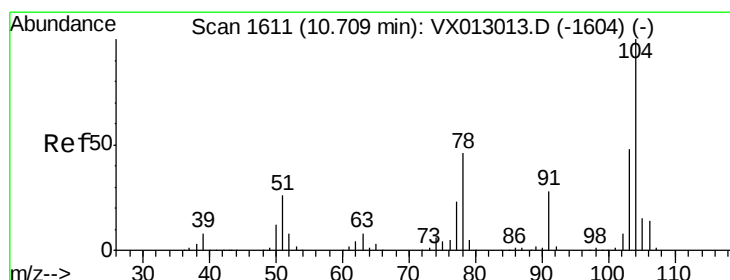
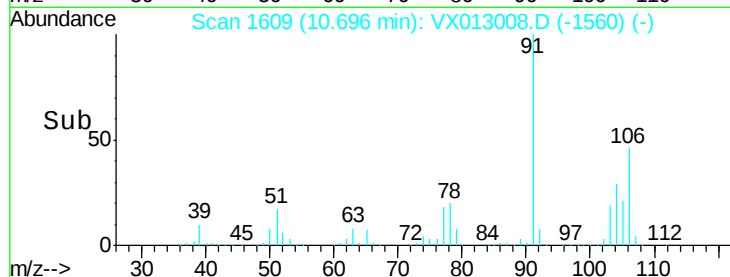
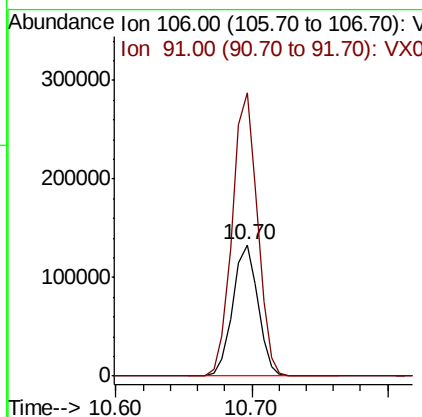
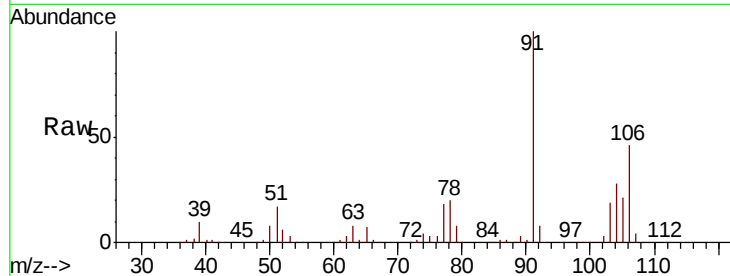
#69
o-Xylene
Concen: 53.195 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 171560
Ion Ratio Lower Upper
106 100
91 216.1 109.1 327.3

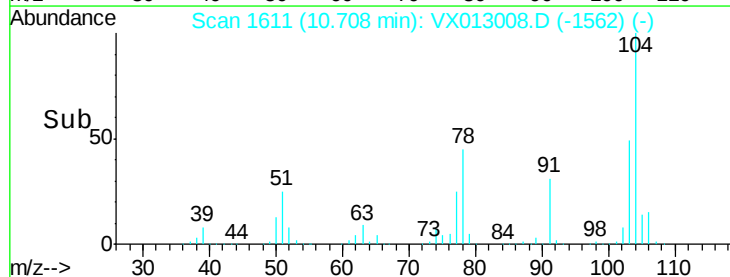
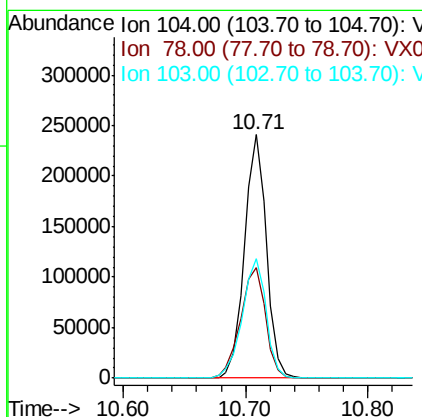
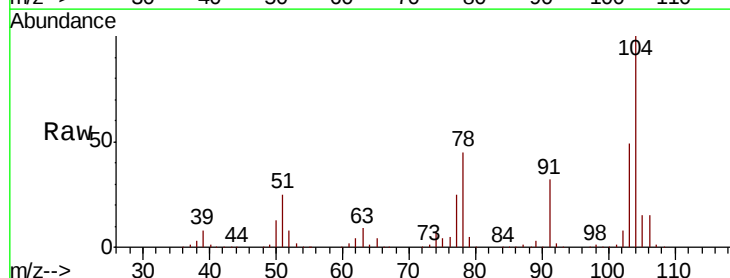
Manual Integrations
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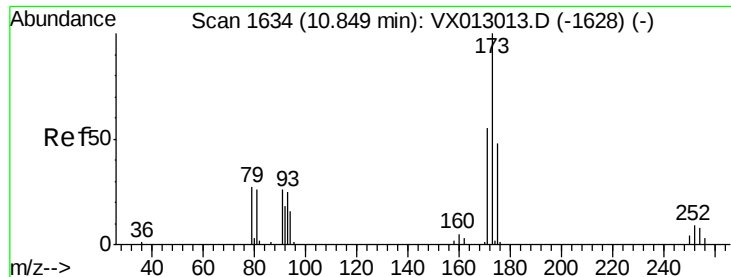
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#70
Styrene
Concen: 54.589 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion:104 Resp: 299296
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 53.6 43.0 64.4





#71

Bromoform

Concen: 46.703 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 68426

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.3

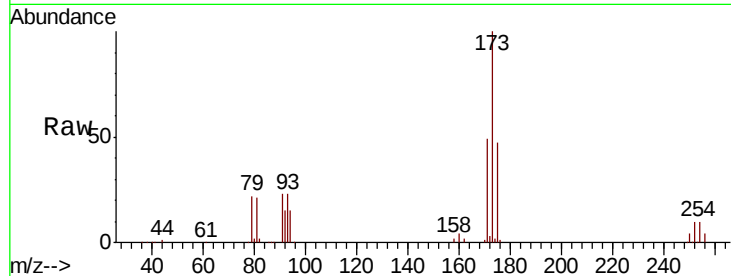
254 0.1 0.1 0.1#

Manual Integrations

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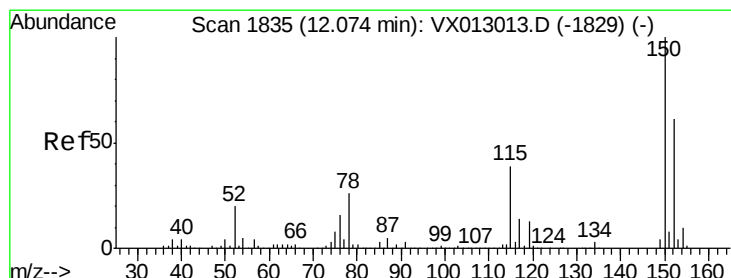
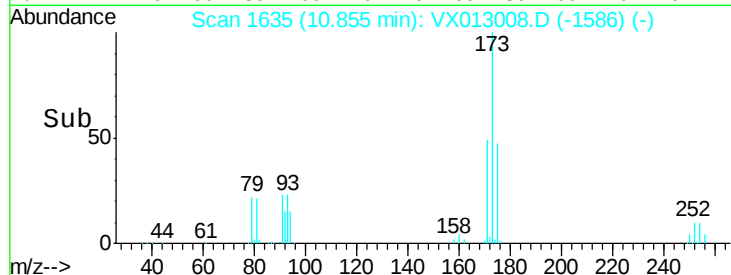
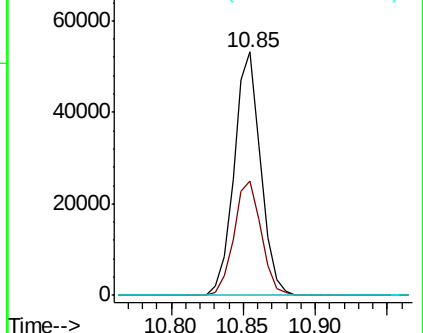
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

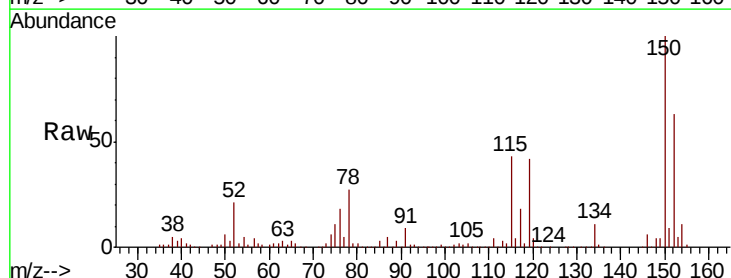
Tgt Ion:152 Resp: 118865

Ion Ratio Lower Upper

152 100

115 87.4 44.5 133.5

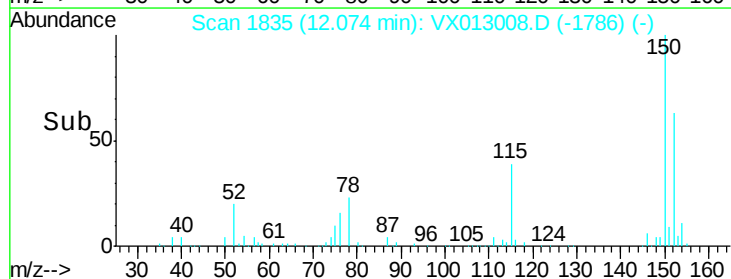
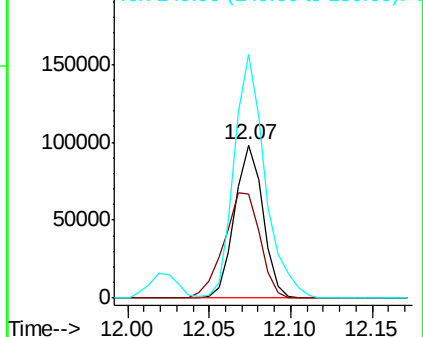
150 173.5 0.0 353.4

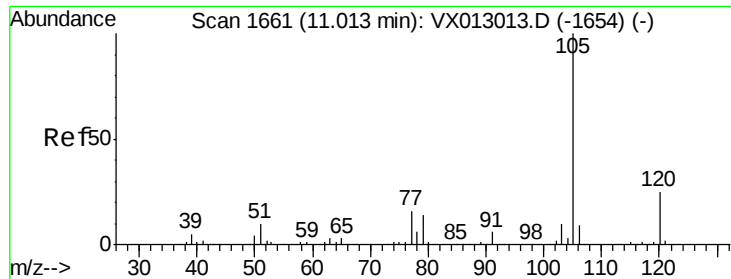


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.193 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 456126

Ion Ratio Lower Upper

105 100

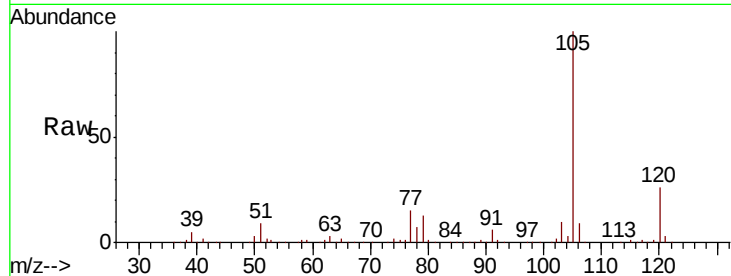
120 26.6 13.0 39.0

Manual Integrations

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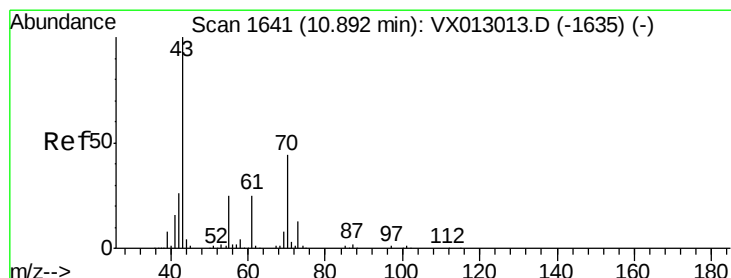
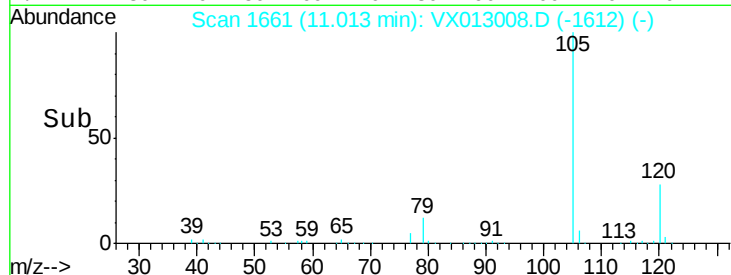
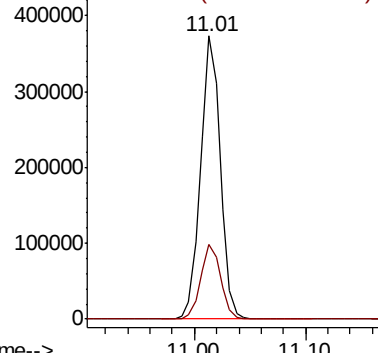
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.089 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Tgt Ion: 43 Resp: 203580

Ion Ratio Lower Upper

43 100

70 44.9 36.4 54.6

55 24.3 20.2 30.2

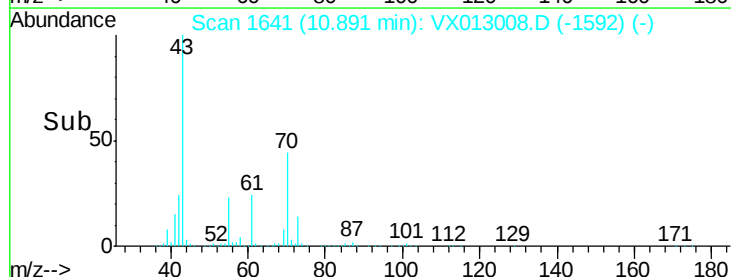
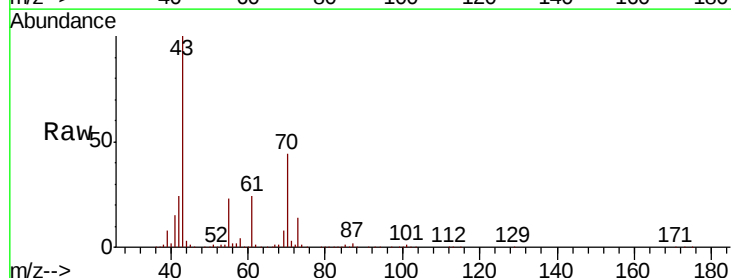
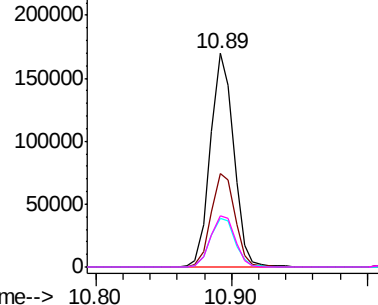
61 25.2 20.5 30.7

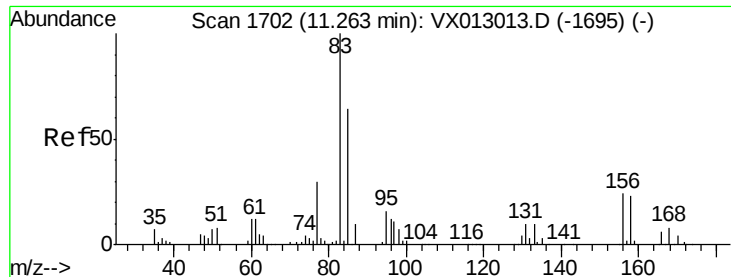
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 51.741 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

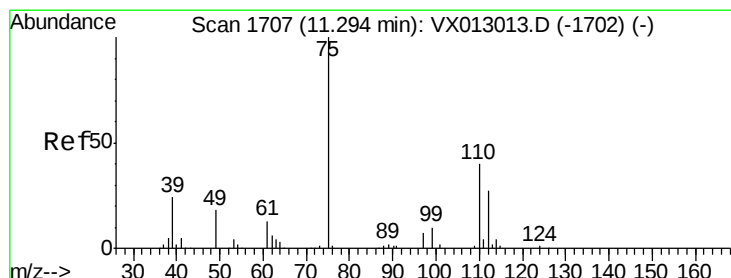
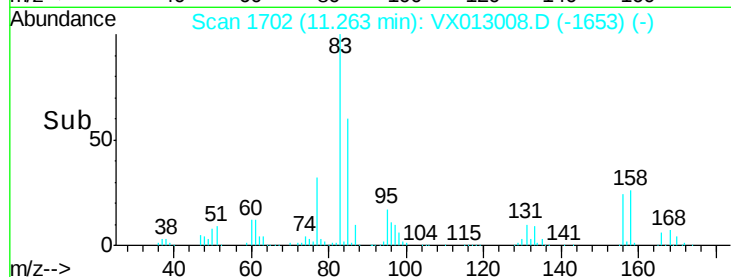
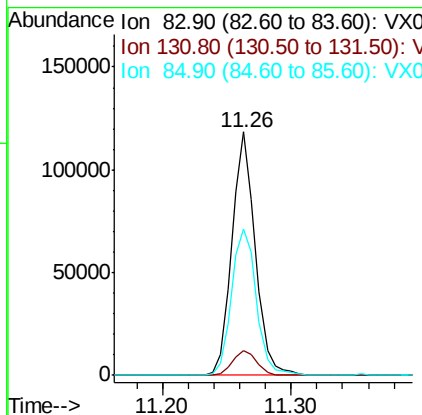
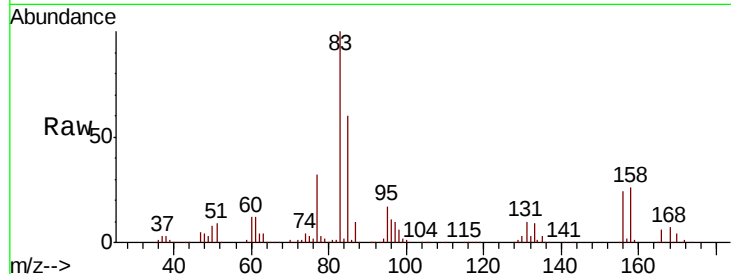
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	150392
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	63.9	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.997 ug/l m

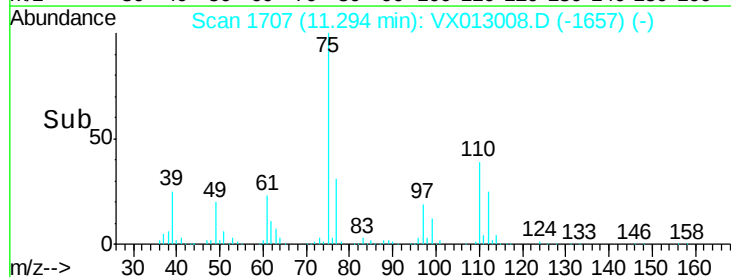
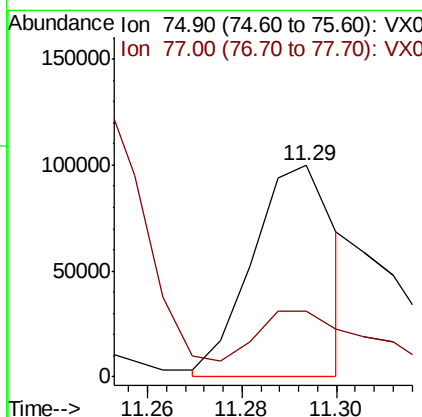
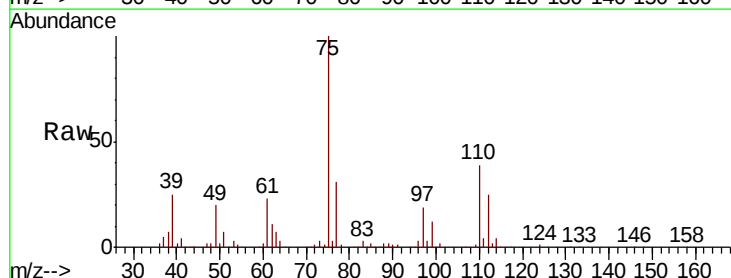
RT: 11.29 min Scan# 1707

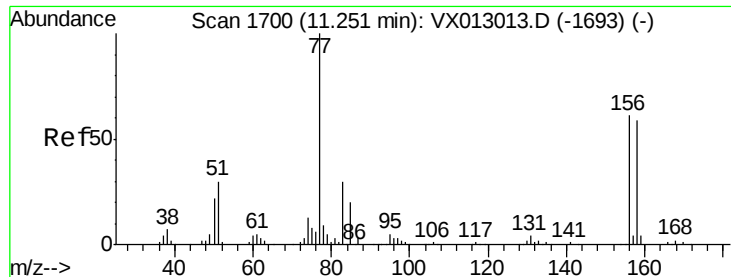
Delta R.T. 0.01 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Tgt Ion:	75	Resp:	121267
Ion Ratio	Lower	Upper	
75	100		
77	44.8	22.9	68.8





#77

Bromobenzene

Concen: 50.584 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

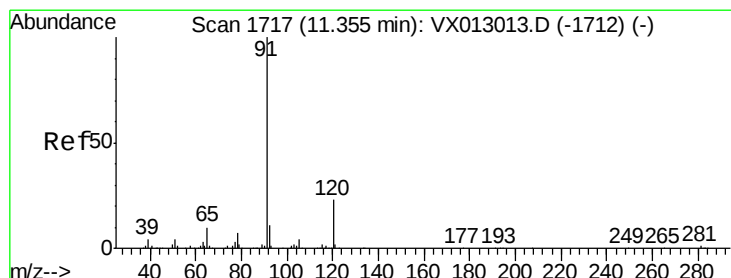
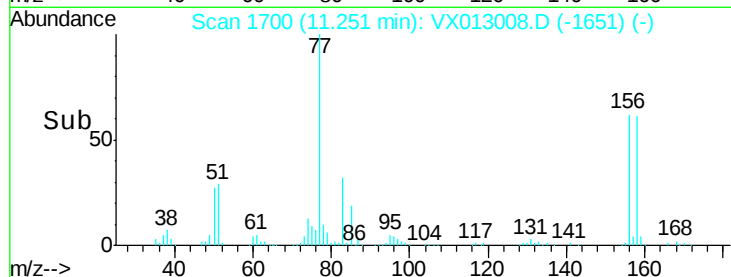
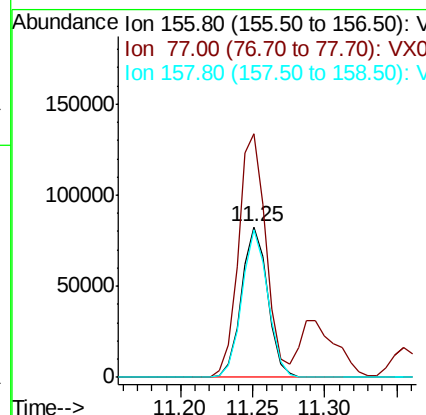
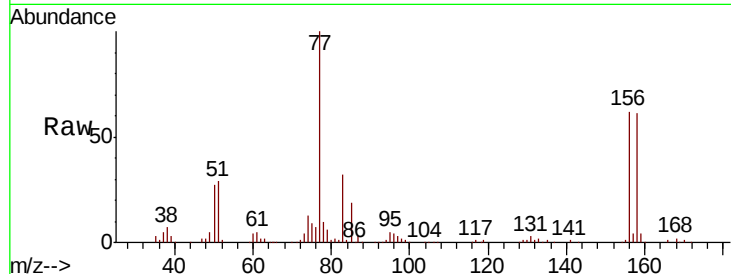
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	171.7	83.7	251.0		
158	97.3	48.6	145.9		

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#78

n-propylbenzene

Concen: 51.656 ug/l

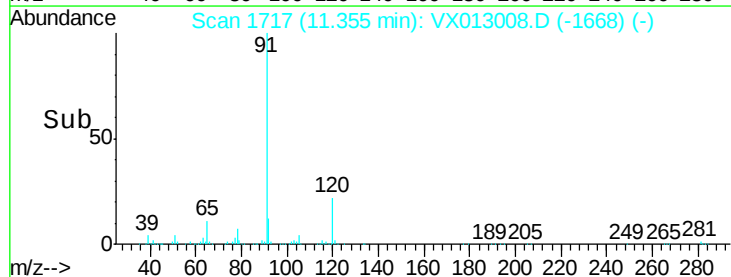
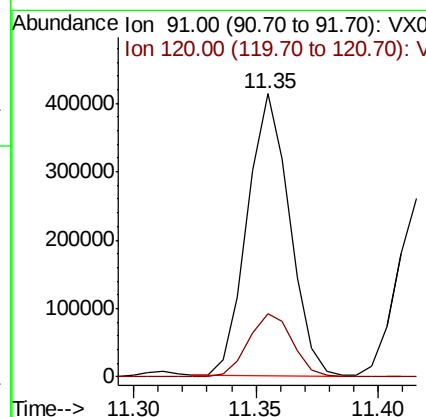
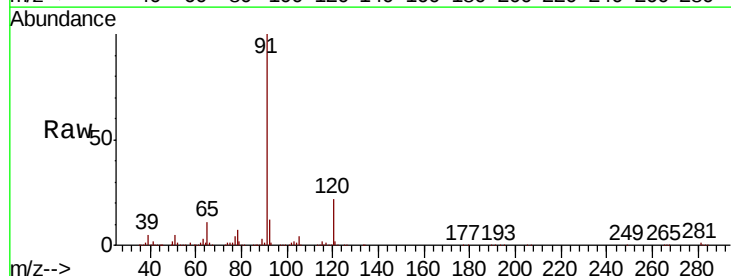
RT: 11.35 min Scan# 1717

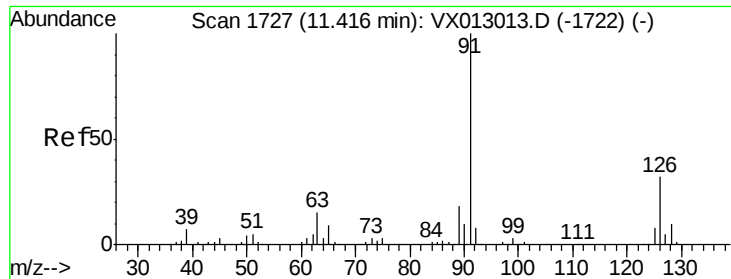
Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.3	11.7	35.1		





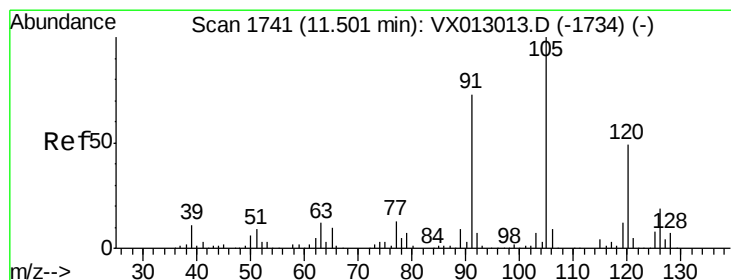
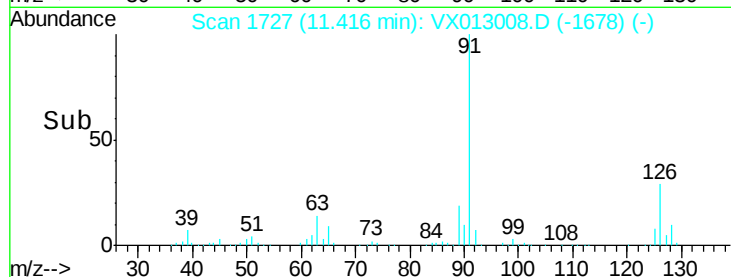
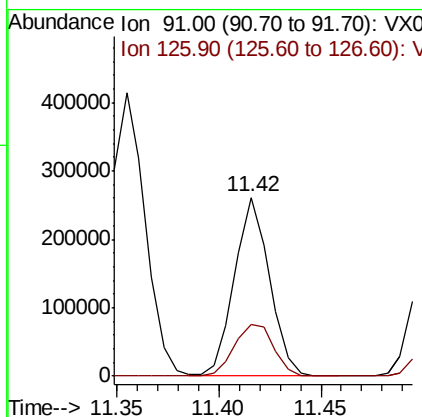
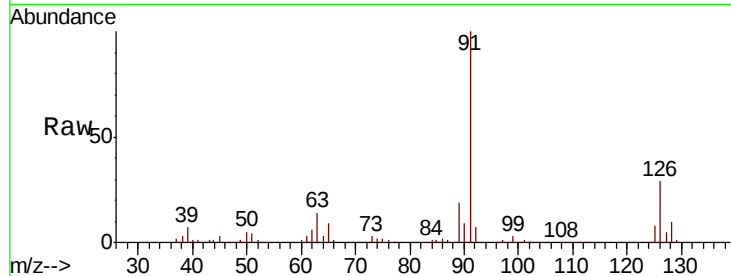
#79
 2-Chlorotoluene
 Concen: 51.338 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX013008.D
 Acq: 10 Oct 2019 20:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 310265
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.3 48.8

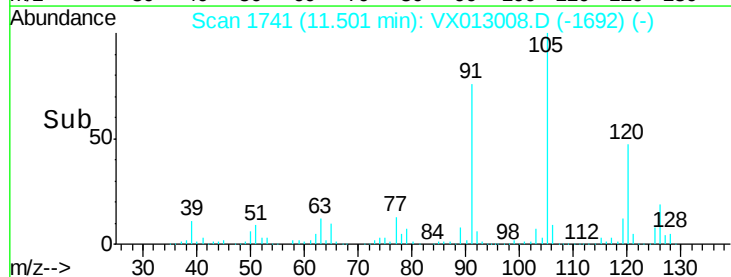
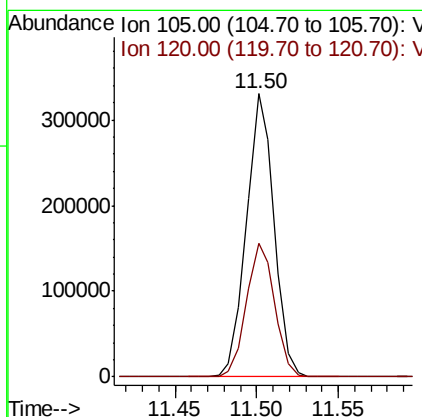
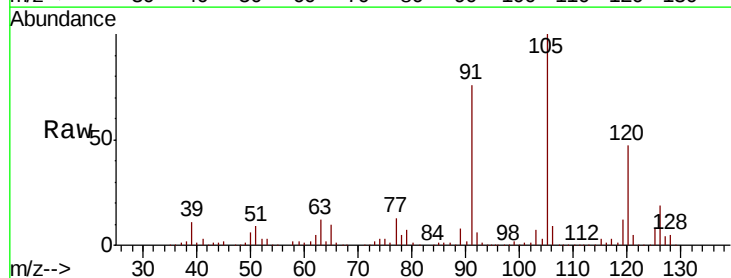
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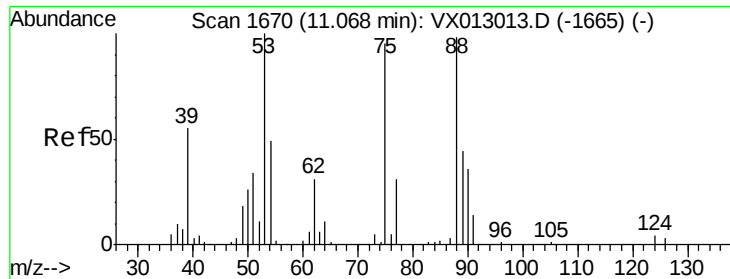
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 10/14/2019 1:06:13 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 53.464 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013008.D
 Acq: 10 Oct 2019 20:00

Tgt Ion: 105 Resp: 390139
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.8 74.3





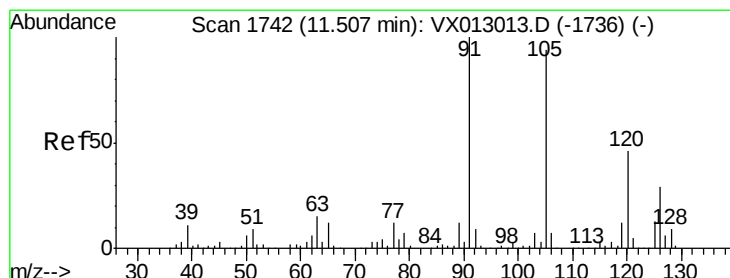
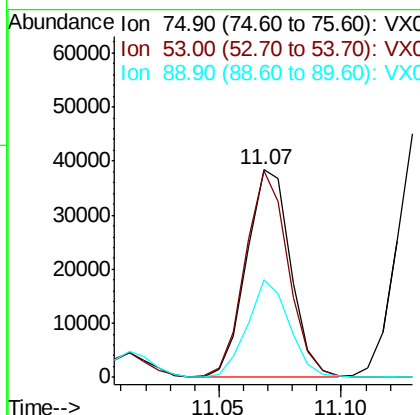
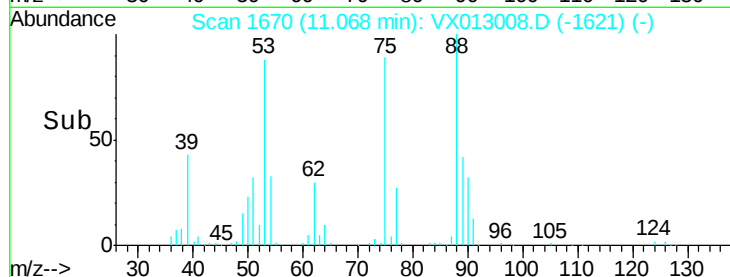
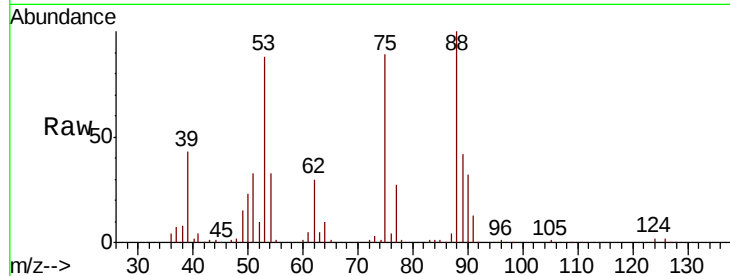
#81
trans-1,4-Dichloro-2-butene
Concen: 47.372 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.4	78.5	117.7
89	44.9	37.4	56.2

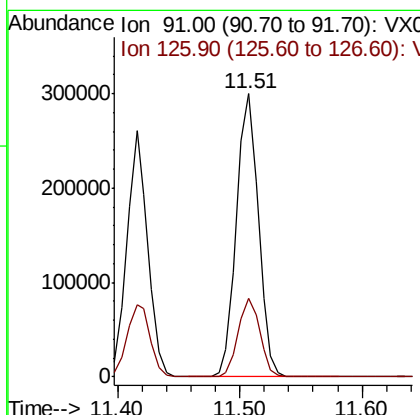
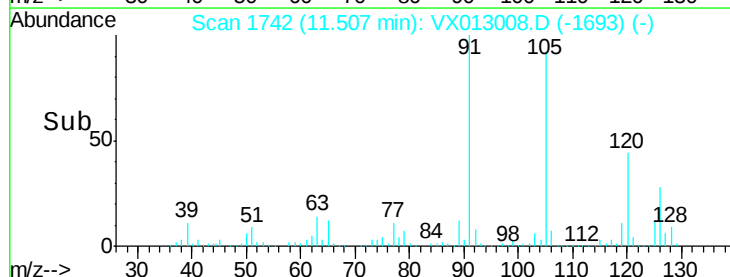
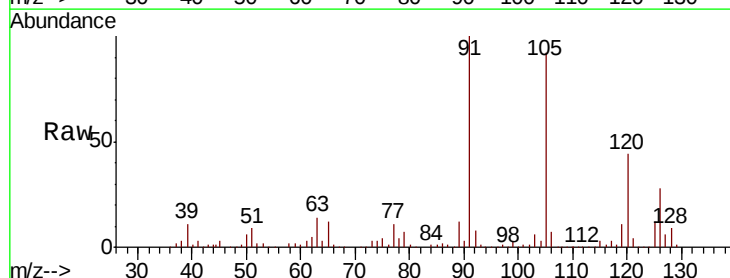
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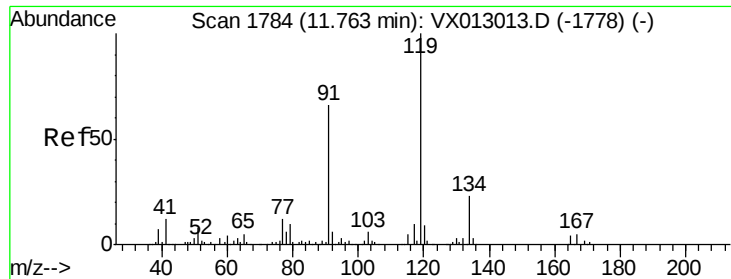
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10/14/2019 1:06:13 PM



#82
4-Chlorotoluene
Concen: 53.465 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.2	42.6





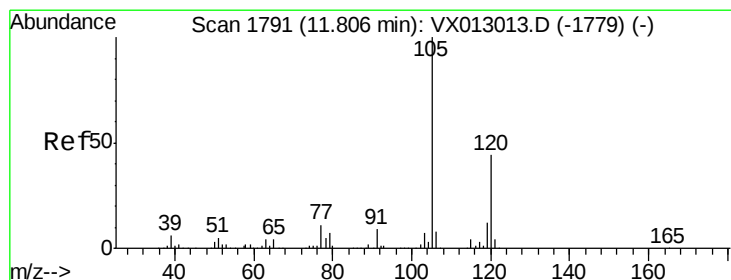
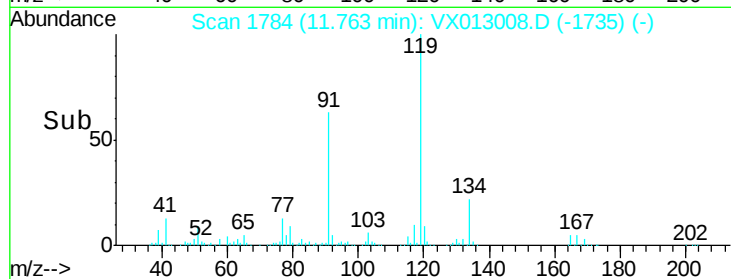
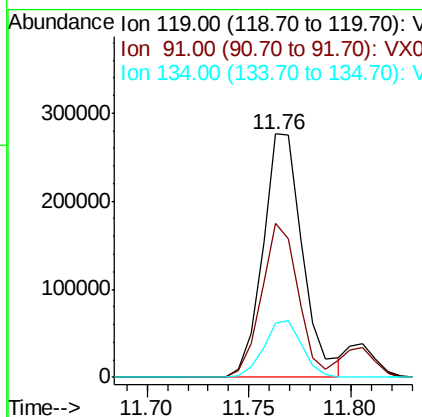
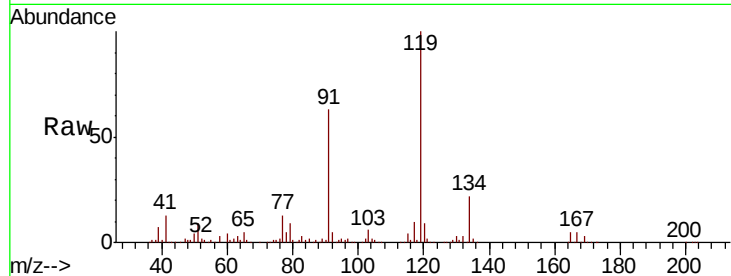
#83
tert-Butylbenzene
Concen: 52.667 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.5	29.3	87.9
134	22.4	11.5	34.4

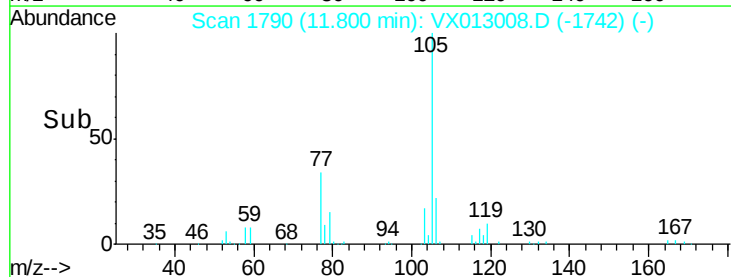
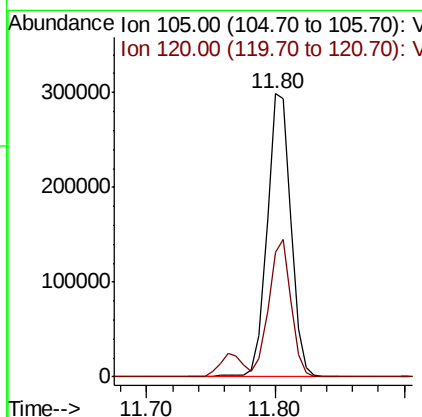
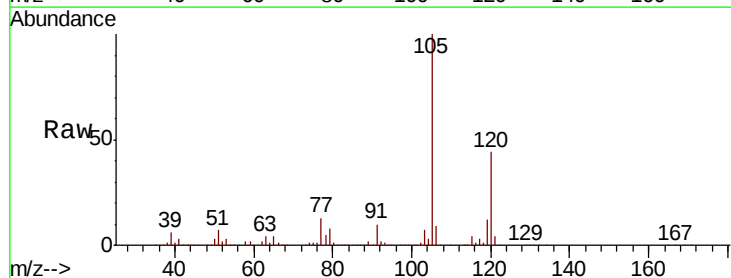
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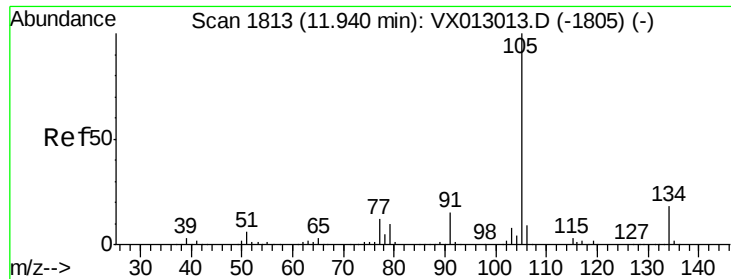
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#84
1,2,4-Trimethylbenzene
Concen: 51.810 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	21.8	65.3





#85

sec-Butylbenzene

Concen: 52.871 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 436024

Ion Ratio Lower Upper

105 100

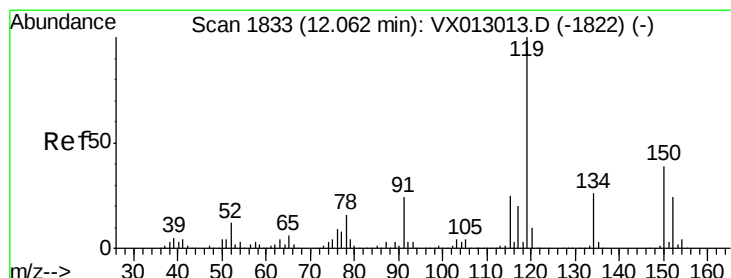
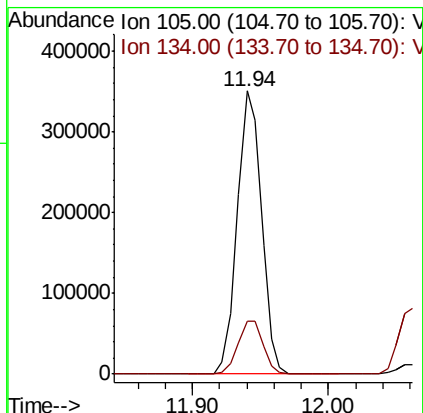
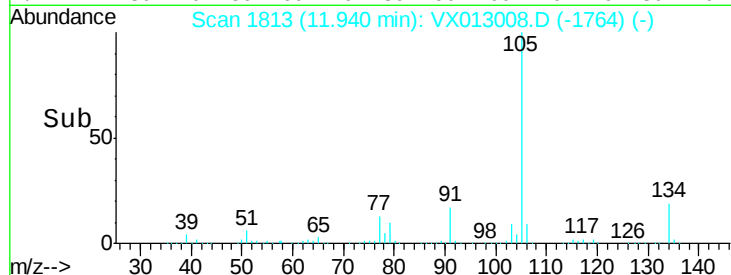
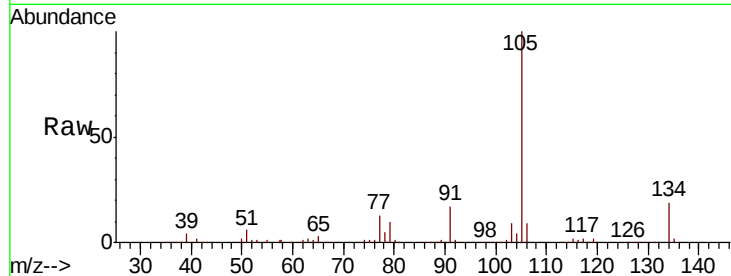
134 19.4 10.0 30.0

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10/14/2019 1:06:13 PM



#86

p-Isopropyltoluene

Concen: 52.509 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013008.D

Acq: 10 Oct 2019 20:00

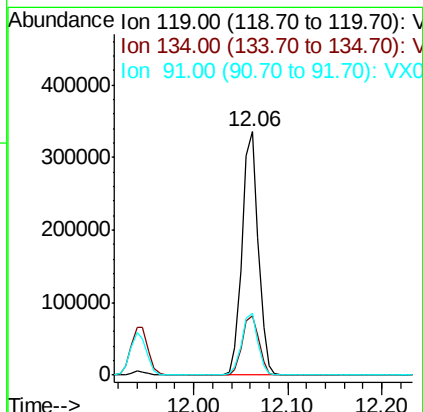
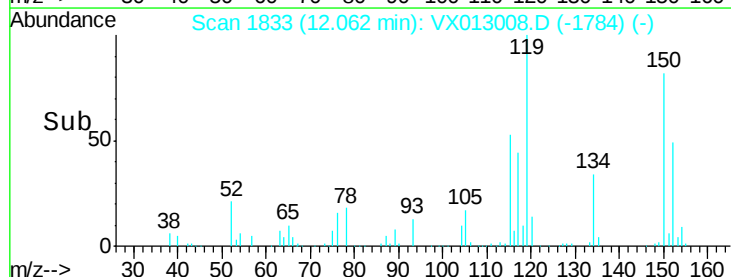
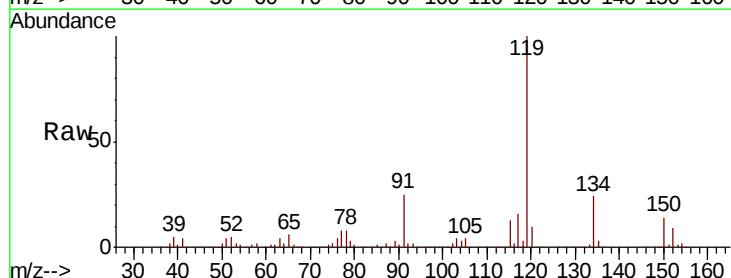
Tgt Ion:119 Resp: 401617

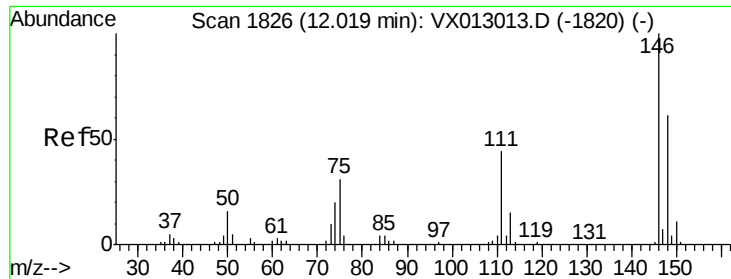
Ion Ratio Lower Upper

119 100

134 25.5 12.6 37.8

91 25.2 12.4 37.4





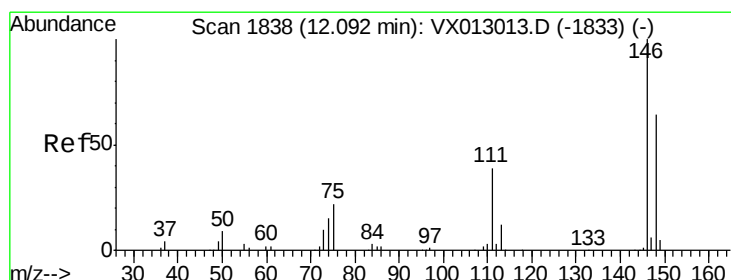
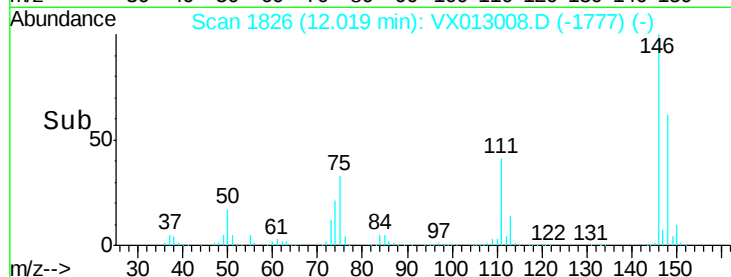
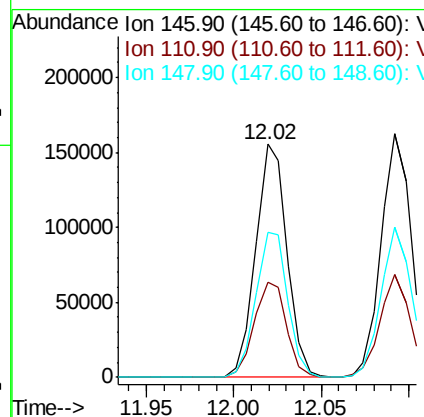
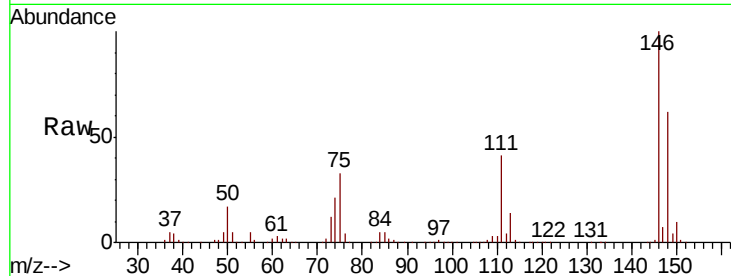
#87
 1,3-Dichlorobenzene
 Concen: 50.772 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013008.D
 Acq: 10 Oct 2019 20:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.4
148	63.7	31.6	95.0

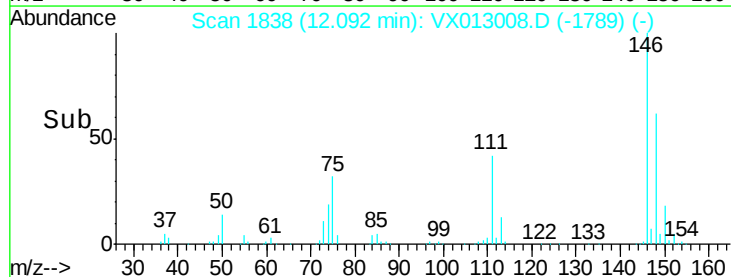
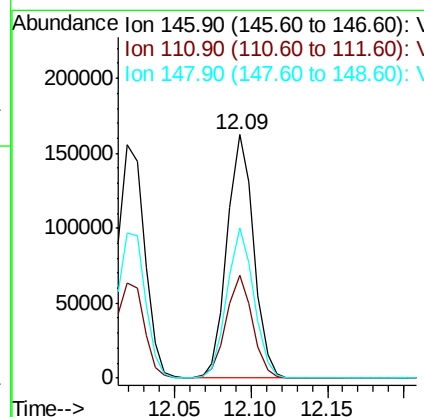
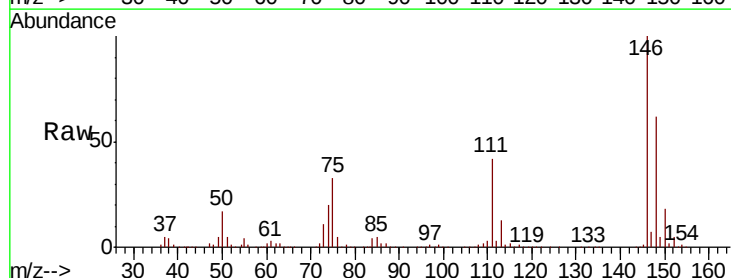
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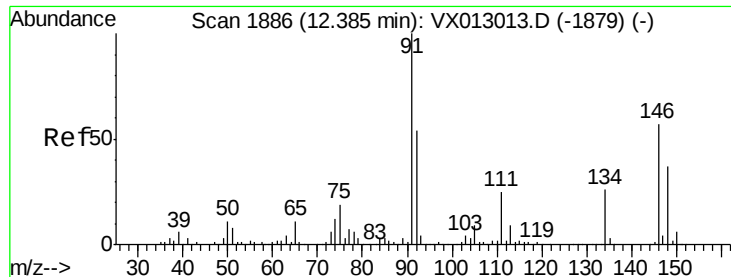
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#88
 1,4-Dichlorobenzene
 Concen: 50.661 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013008.D
 Acq: 10 Oct 2019 20:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.4	64.3
148	62.1	32.1	96.5





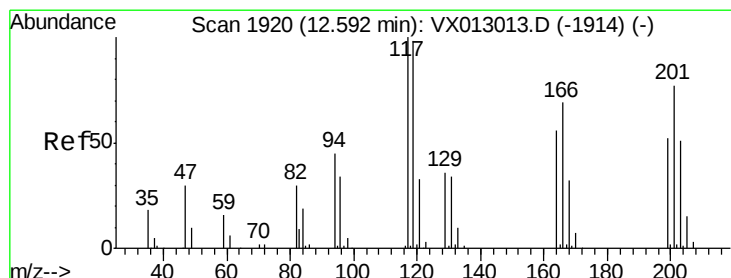
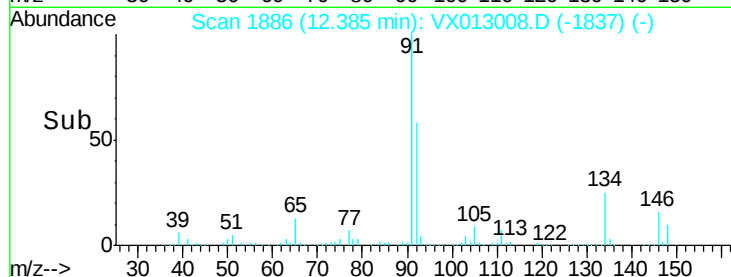
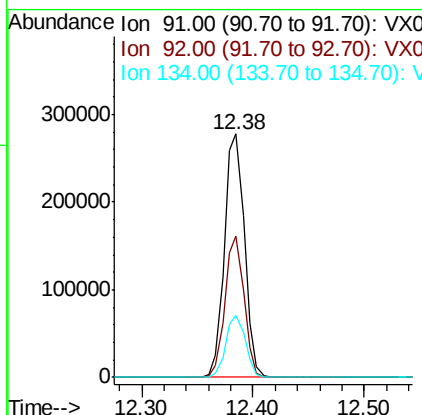
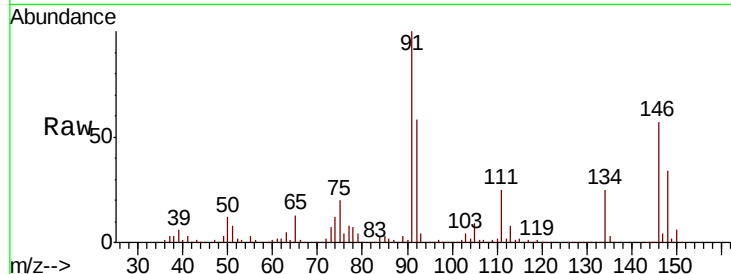
#89
n-Butylbenzene
Concen: 53.632 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.5	82.5
134	24.9	12.9	38.7

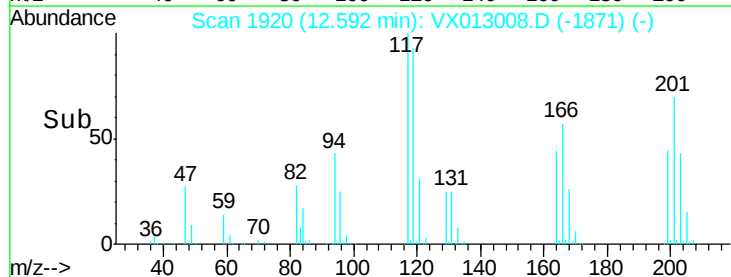
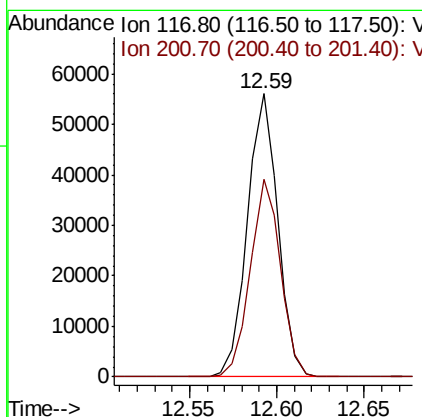
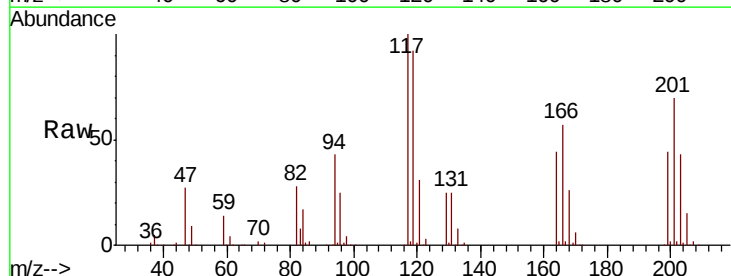
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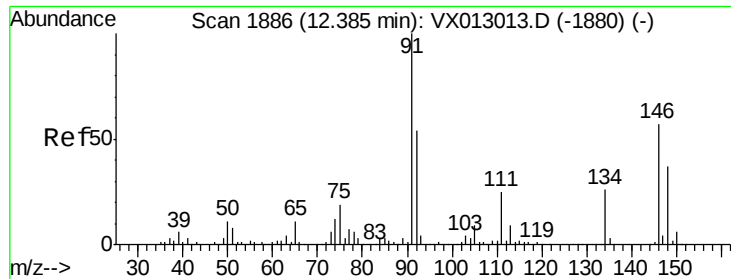
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#90
Hexachloroethane
Concen: 48.030 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.6	36.9	110.7





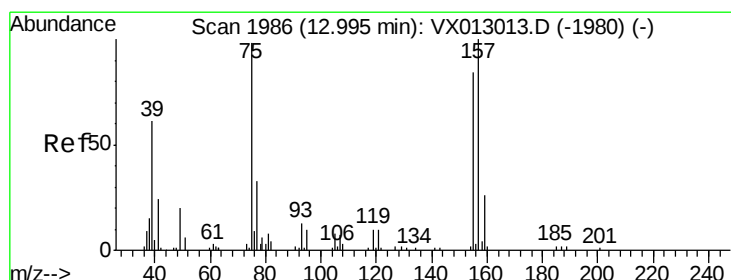
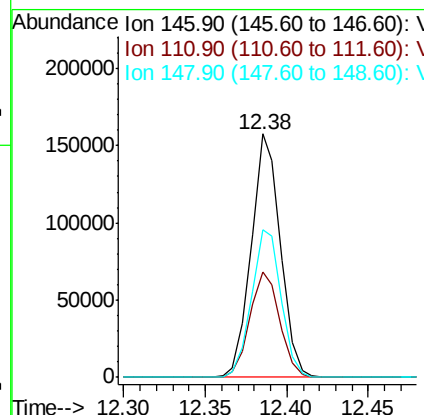
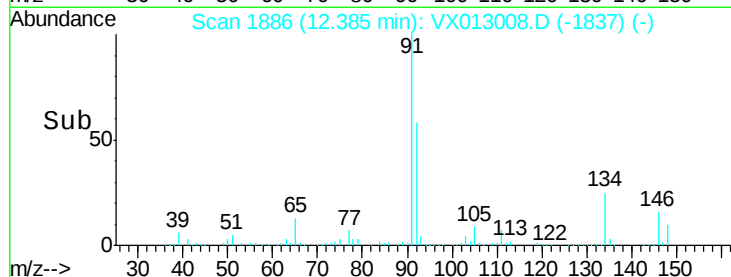
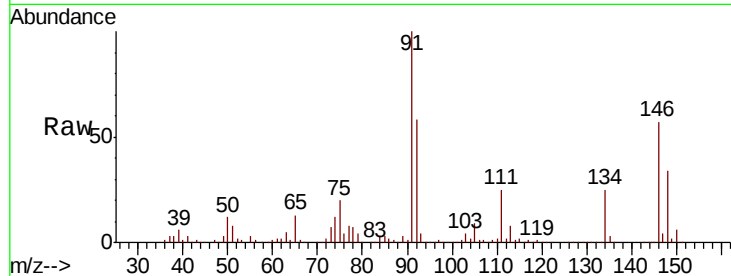
#91
 1,2-Dichlorobenzene
 Concen: 52.303 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013008.D
 Acq: 10 Oct 2019 20:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.7	68.0
148	61.8	31.6	94.7

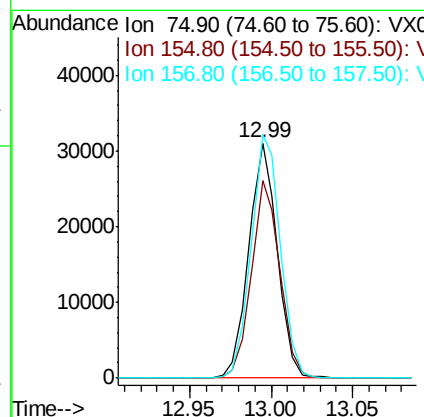
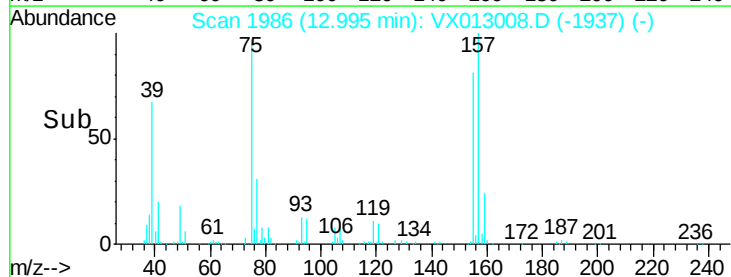
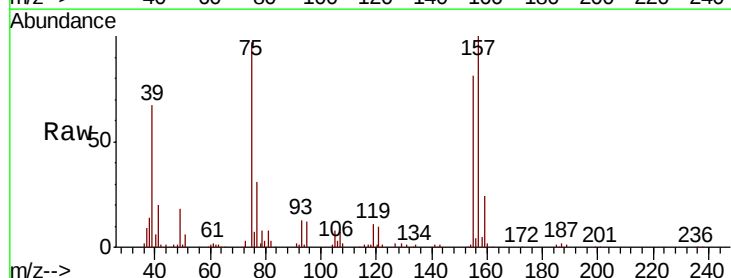
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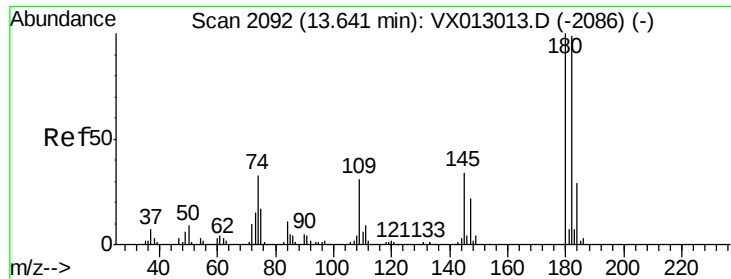
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.420 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013008.D
 Acq: 10 Oct 2019 20:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	43.0	128.8
157	106.3	54.1	162.3





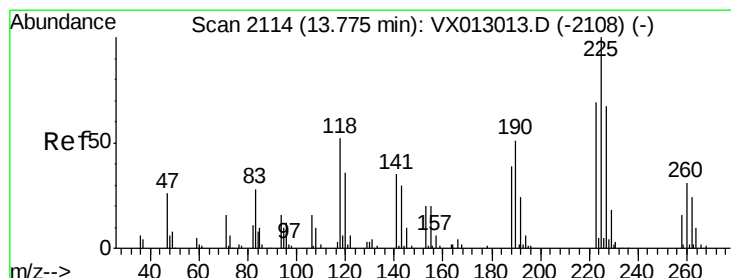
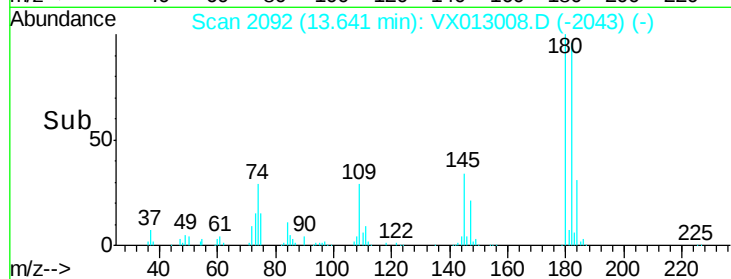
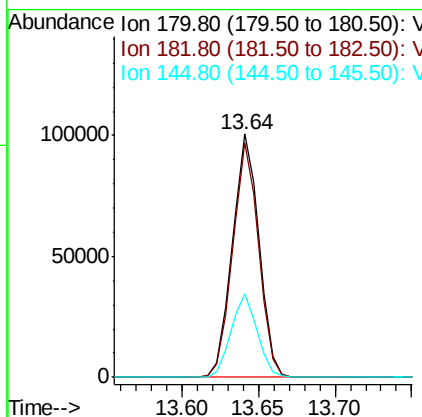
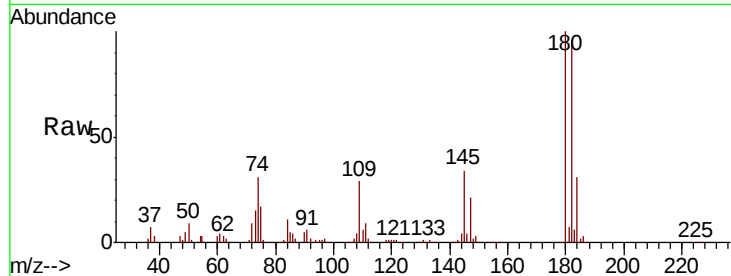
#93
 1,2,4-Trichlorobenzene
 Concen: 51.533 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013008.D
 Acq: 10 Oct 2019 20:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121029		
182	94.0	46.8	140.4	
145	33.6	16.2	48.6	

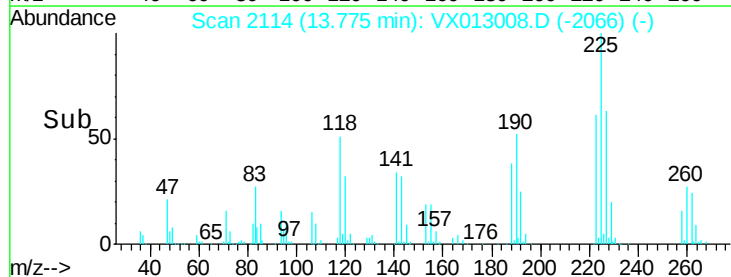
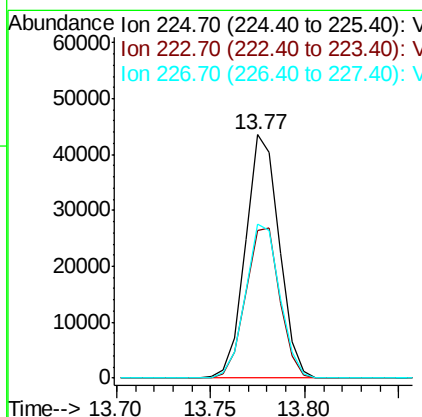
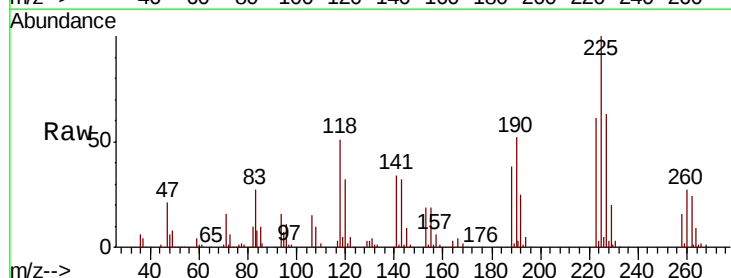
Manual Integrations
 APPROVED

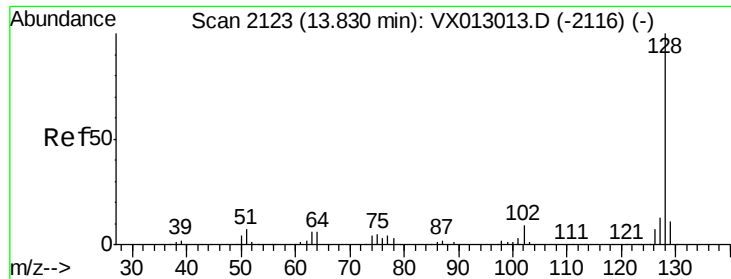
MMDadoda
 10/14/2019 1:06:13 PM



#94
 Hexachlorobutadiene
 Concen: 49.715 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX013008.D
 Acq: 10 Oct 2019 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53884		
223	62.5	31.1	93.2	
227	64.5	32.3	96.9	





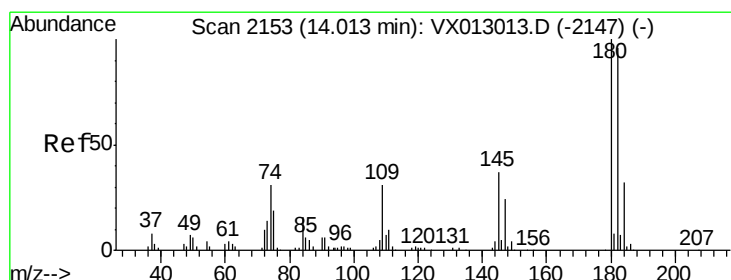
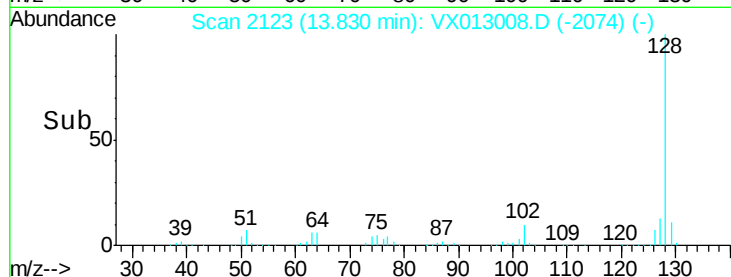
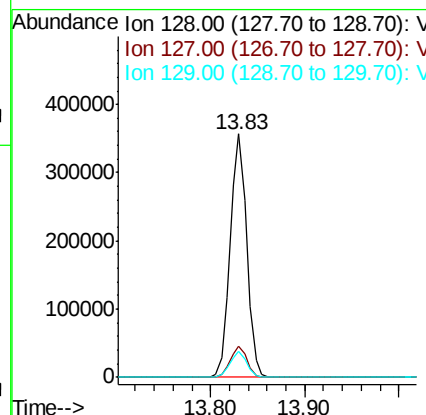
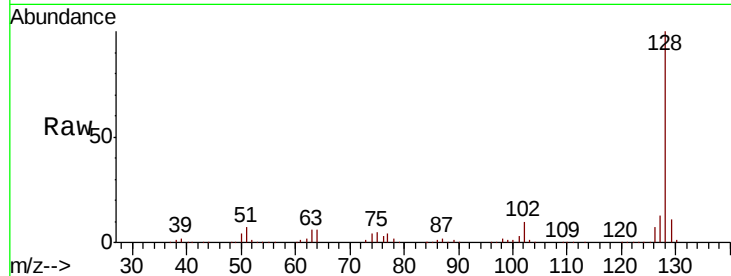
#95
Naphthalene
Concen: 53.352 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/14/2019 1:06:13 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.035 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013008.D
Acq: 10 Oct 2019 20:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.5
145	35.9	17.4	52.3

