

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101119\
 Data File : VX013010.D
 Acq On : 11 Oct 2019 12:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 10:39:26 AM

Quant Time: Oct 11 23:36:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	167151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	278846	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122107	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	101309	48.49	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	5.48	113	79307	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	8.71	98	301228	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	11.13	95	122222	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	82963	48.693	ug/l	100
3) Chloromethane	1.32	50	90202	48.646	ug/l	98
4) Vinyl Chloride	1.40	62	88583	46.284	ug/l	100
5) Bromomethane	1.63	94	38230	48.053	ug/l	96
6) Chloroethane	1.71	64	56996	48.763	ug/l	96
7) Trichlorofluoromethane	1.92	101	132717	51.377	ug/l	96
8) Diethyl Ether	2.18	74	52466	50.318	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	86271	51.603	ug/l	99
10) Methyl Iodide	2.50	142	94551	49.929	ug/l	100
11) Tert butyl alcohol	3.03	59	111660	201.617	ug/l	99
12) 1,1-Dichloroethene	2.36	96	83214	49.264	ug/l	94
13) Acrolein	2.28	56	100144	254.446	ug/l	100
14) Allyl chloride	2.72	41	146332	48.646	ug/l	98
15) Acrylonitrile	3.13	53	260820	248.511	ug/l	100
16) Acetone	2.43	43	243973	221.551	ug/l	100
17) Carbon Disulfide	2.56	76	212505	44.121	ug/l	100
18) Methyl Acetate	2.76	43	128744	49.324	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	307733	52.755	ug/l	100
20) Methylene Chloride	2.84	84	97916	48.382	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	88799	49.048	ug/l	98
22) Diisopropyl ether	3.84	45	298548	51.794	ug/l #	88
23) Vinyl Acetate	3.80	43	1295685	260.386	ug/l	100
24) 1,1-Dichloroethane	3.69	63	164433	50.708	ug/l	99
25) 2-Butanone	4.65	43	361087	236.350	ug/l	100
26) 2,2-Dichloropropane	4.57	77	135342	49.633	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	105889	50.740	ug/l	97
28) Bromochloromethane	5.00	49	52297	54.000	ug/l	98
29) Tetrahydrofuran	5.11	42	227963	242.479	ug/l	99
30) Chloroform	5.20	83	167699	50.400	ug/l	99
31) Cyclohexane	5.56	56	150812	49.736	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	144406	51.221	ug/l	99
36) 1,1-Dichloropropene	5.79	75	125985	51.388	ug/l	100
37) Ethyl Acetate	4.81	43	134965	49.232	ug/l	99
38) Carbon Tetrachloride	5.77	117	122523	51.345	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	158297	53.242	ug/l	97
40) Benzene	6.13	78	376898	52.051	ug/l	98
41) Methacrylonitrile	5.03	41	75008	49.794	ug/l	99
42) 1,2-Dichloroethane	6.18	62	136000	52.343	ug/l	99
43) Isopropyl Acetate	6.43	43	227163	51.628	ug/l	100
44) Trichloroethene	7.20	130	98476	49.044	ug/l	94
45) 1,2-Dichloropropane	7.50	63	96739	52.420	ug/l	99
46) Dibromomethane	7.65	93	64936	52.812	ug/l	98
47) Bromodichloromethane	7.89	83	129406	53.930	ug/l	97
48) Methyl methacrylate	7.76	41	110967	51.753	ug/l	100
49) 1,4-Dioxane	7.73	88	47341	828.964	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	690614	251.744	ug/l	100
52) Toluene	8.78	92	241751	52.187	ug/l	97
53) t-1,3-Dichloropropene	9.03	75	143474	48.003	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	158234	53.617	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	98010	53.462	ug/l	97
56) Ethyl methacrylate	9.17	69	161717	49.289	ug/l	99
57) 1,3-Dichloropropane	9.36	76	166641	52.548	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	367015	272.520	ug/l	100
59) 2-Hexanone	9.48	43	528002	247.250	ug/l	99
60) Dibromochloromethane	9.57	129	99030	48.596	ug/l	98
61) 1,2-Dibromoethane	9.67	107	102814	53.313	ug/l	99
64) Tetrachloroethene	9.33	164	91614	51.607	ug/l	95
65) Chlorobenzene	10.14	112	256109	50.389	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	92524	52.503	ug/l	99
67) Ethyl Benzene	10.25	91	465678	51.581	ug/l	99
68) m/p-Xylenes	10.35	106	348709	103.390	ug/l	100
69) o-Xylene	10.70	106	170107	51.719	ug/l	99
70) Styrene	10.71	104	298117	53.317	ug/l	99
71) Bromoform	10.85	173	68897	46.150	ug/l #	100
73) Isopropylbenzene	11.01	105	458837	51.109	ug/l	100
74) N-amyl acetate	10.89	43	198192	51.260	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	147765	49.487	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	125230m	46.239	ug/l	
77) Bromobenzene	11.25	156	104795	49.536	ug/l	95
78) n-propylbenzene	11.35	91	514852	52.118	ug/l	98
79) 2-Chlorotoluene	11.42	91	314811	50.707	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	383571	51.168	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	47646	45.628	ug/l	98
82) 4-Chlorotoluene	11.51	91	372111	52.292	ug/l	99
83) tert-Butylbenzene	11.76	119	372299	50.913	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	395090	52.040	ug/l	99
85) sec-Butylbenzene	11.94	105	436411	51.513	ug/l	100
86) p-Isopropyltoluene	12.06	119	406377	51.720	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	199117	50.684	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	202011	50.773	ug/l	98
89) n-Butylbenzene	12.38	91	356768	54.026	ug/l	99
90) Hexachloroethane	12.59	117	68695	47.323	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	197311	51.231	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	35091	50.140	ug/l	97

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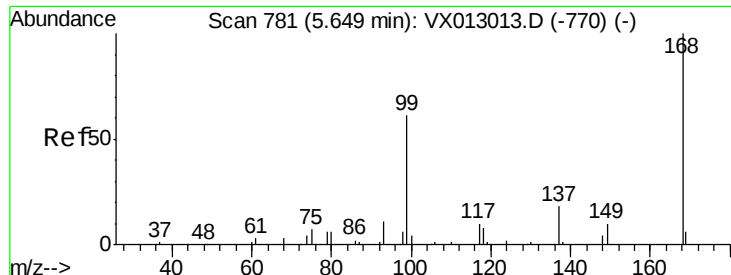
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	128714	53.351	ug/l	99
94) Hexachlorobutadiene	13.78	225	58346	52.402	ug/l	99
95) Naphthalene	13.83	128	438247	52.401	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	127918	51.307	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 167151

Ion Ratio Lower Upper

168 100

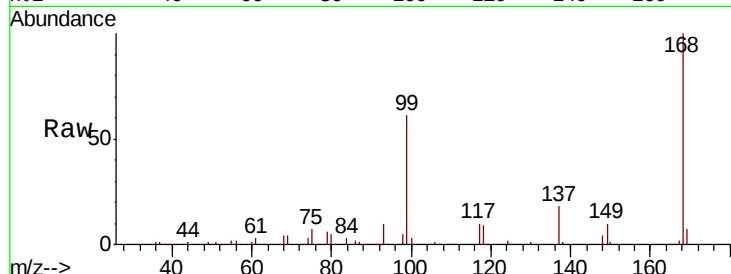
99 60.6 49.4 74.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

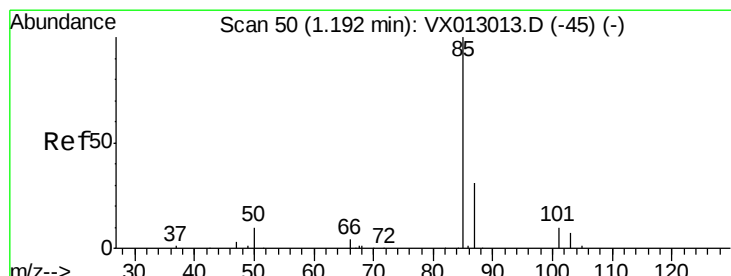
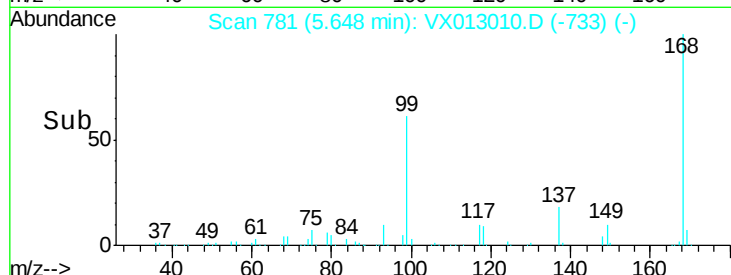
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.693 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX013010.D

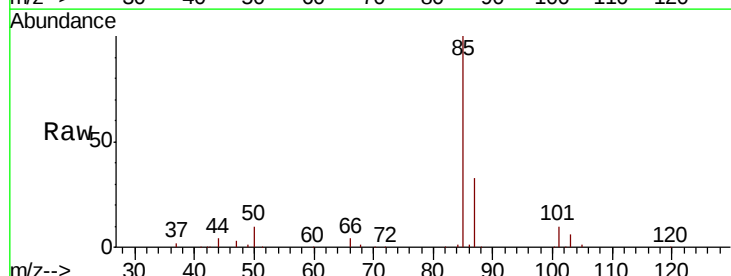
Acq: 11 Oct 2019 12:38

Tgt Ion: 85 Resp: 82963

Ion Ratio Lower Upper

85 100

87 32.7 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

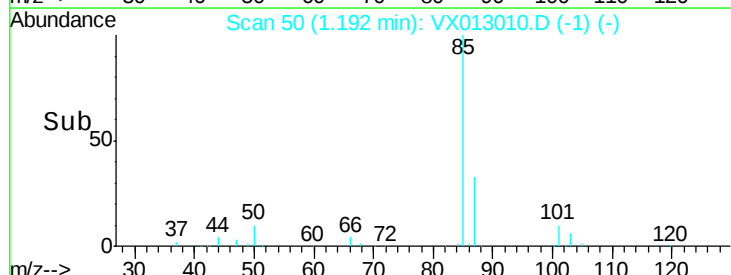
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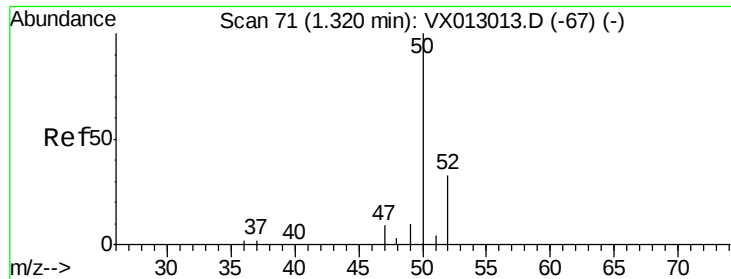
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20000

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Time-->





#3

Chloromethane

Concen: 48.646 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Tot Ion: 50 Resp: 90202

Ion Ratio Lower Upper

50 100

52 32.6 25.2 37.8

Instrument :

MSVOA_X

ClientSampleId :

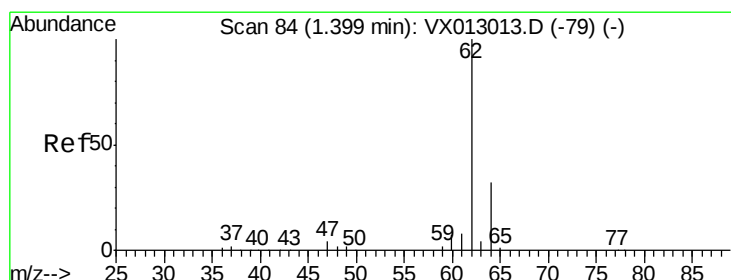
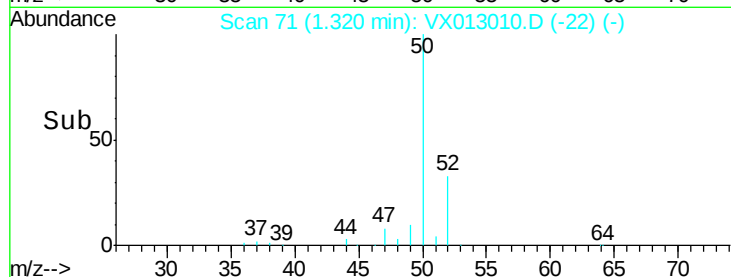
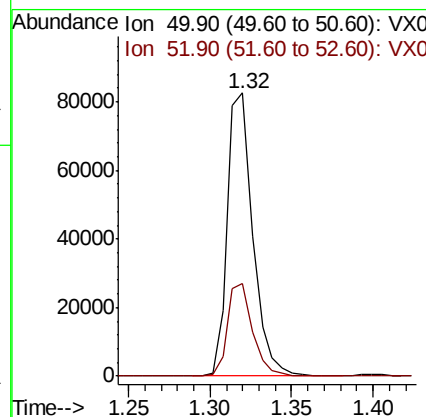
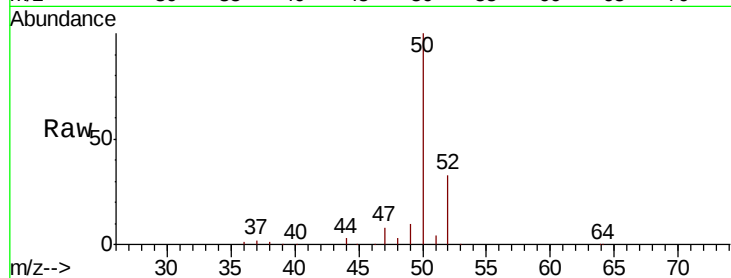
VSTDCCC050

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.284 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013010.D

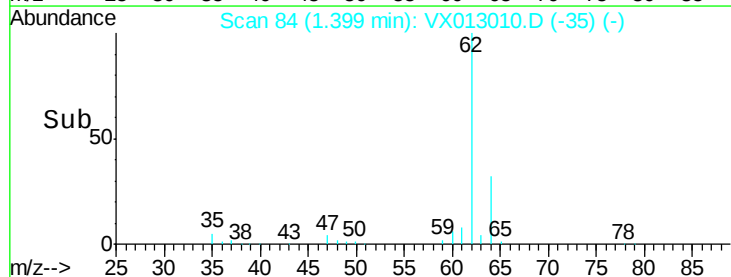
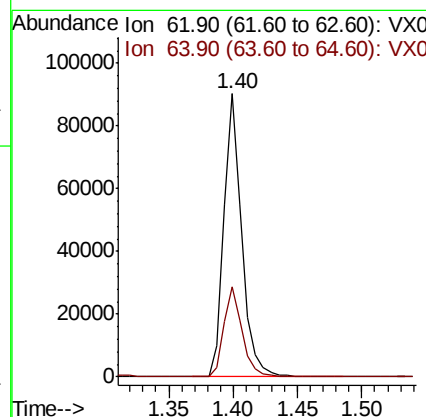
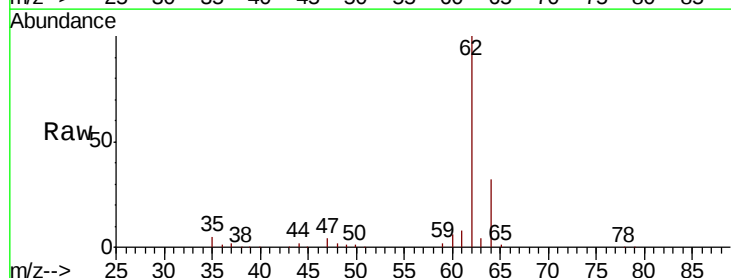
Acq: 11 Oct 2019 12:38

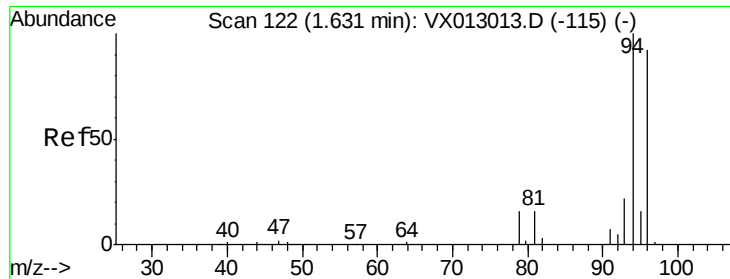
Tgt Ion: 62 Resp: 88583

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 48.053 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 38230

Ion Ratio Lower Upper

94 100

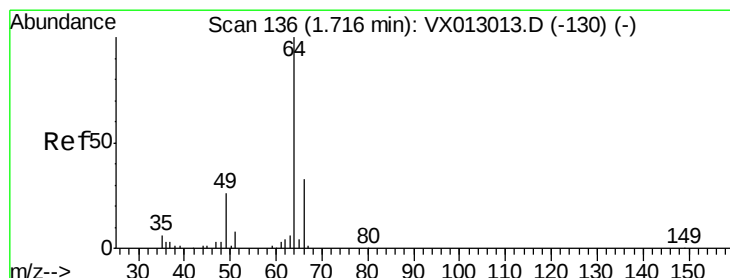
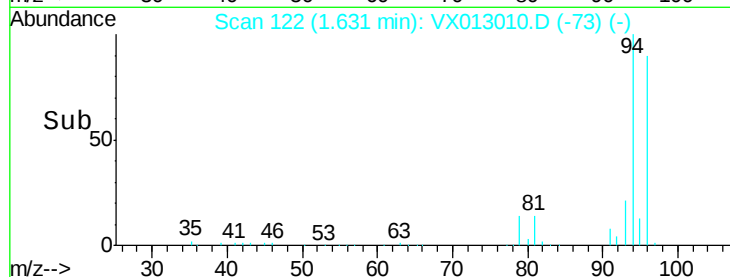
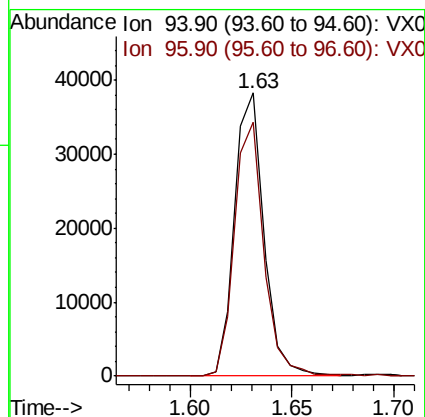
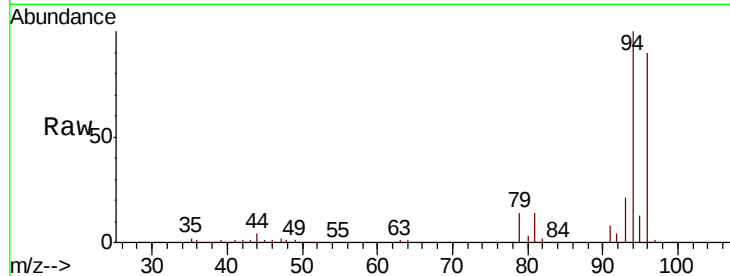
96 89.9 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 48.763 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013010.D

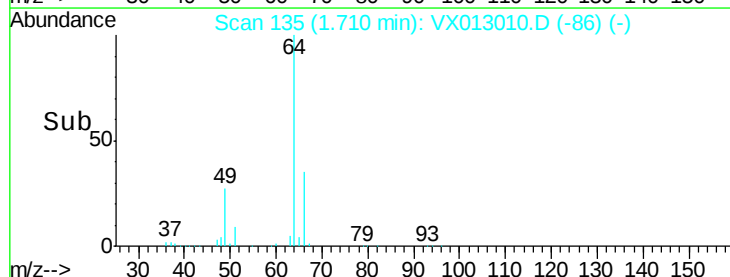
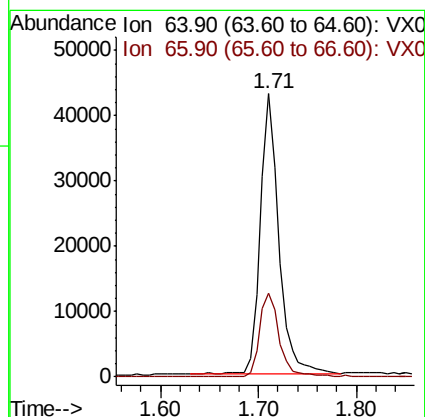
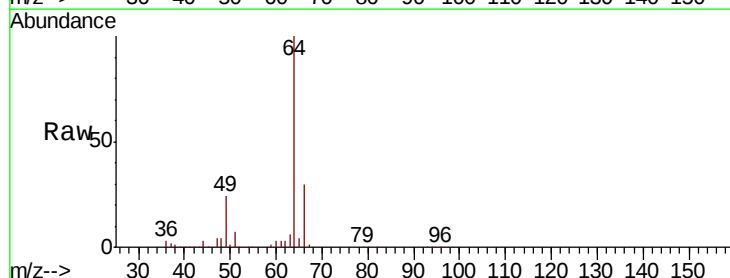
Acq: 11 Oct 2019 12:38

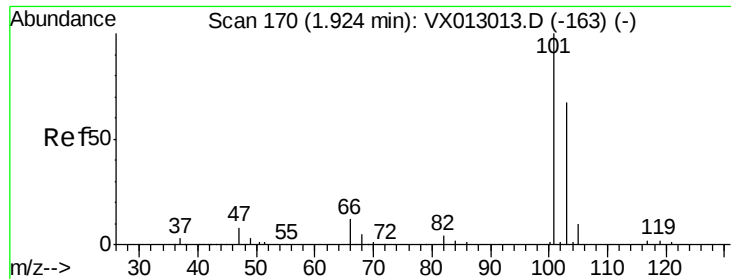
Tgt Ion: 64 Resp: 56996

Ion Ratio Lower Upper

64 100

66 29.7 25.6 38.4





#7

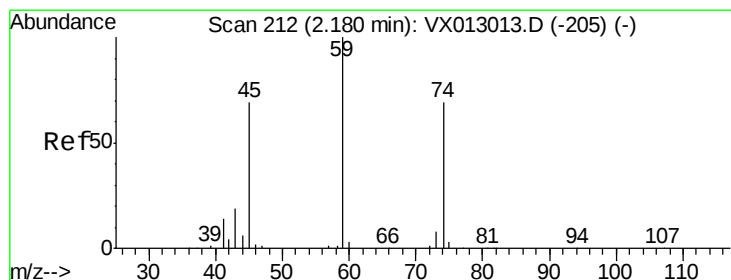
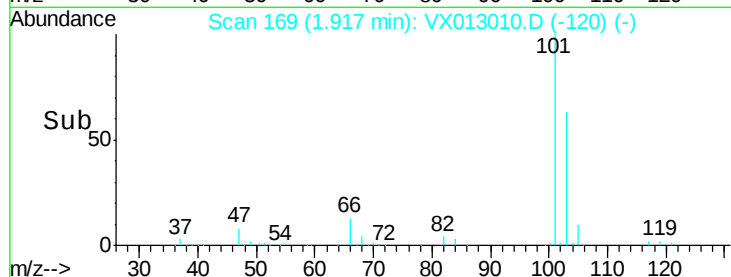
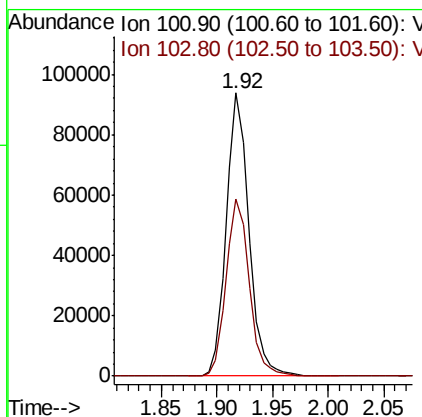
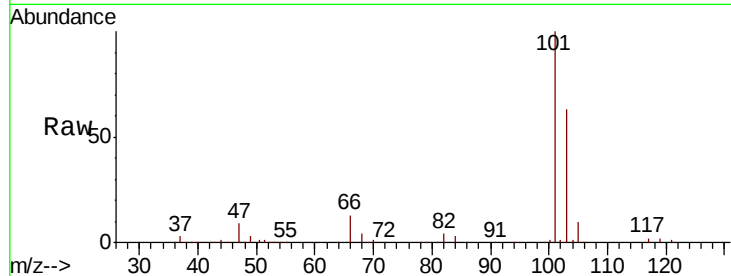
Trichlorofluoromethane
Concen: 51.377 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	52.5	78.7

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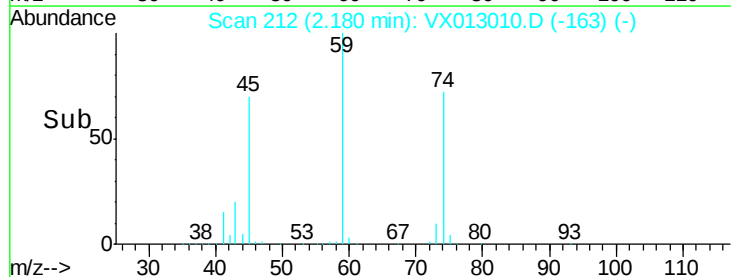
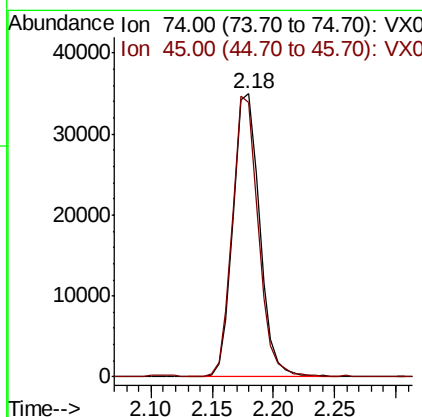
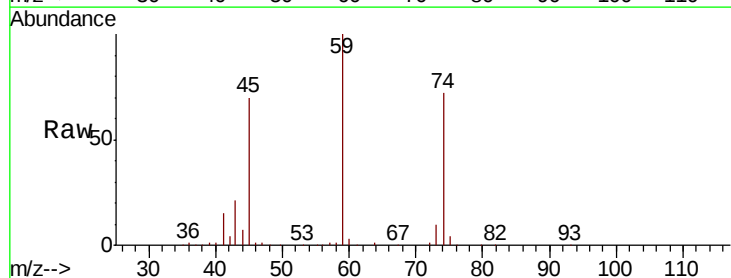
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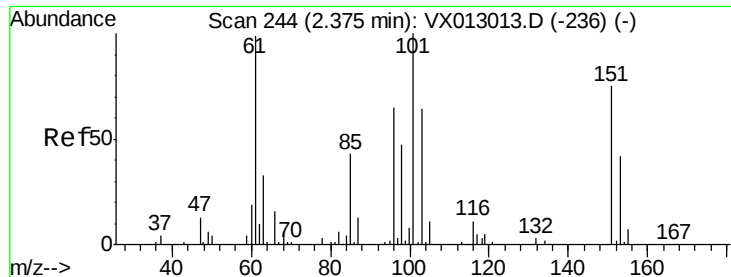


#8

Diethyl Ether
Concen: 50.318 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.8	47.8	143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.603 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

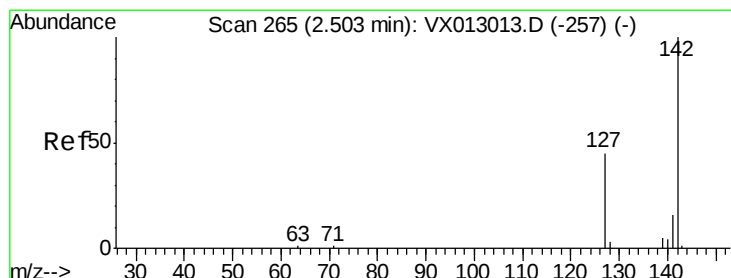
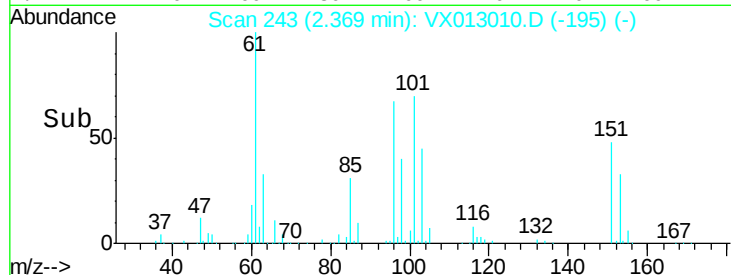
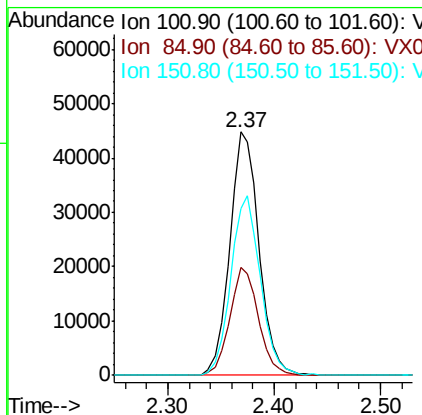
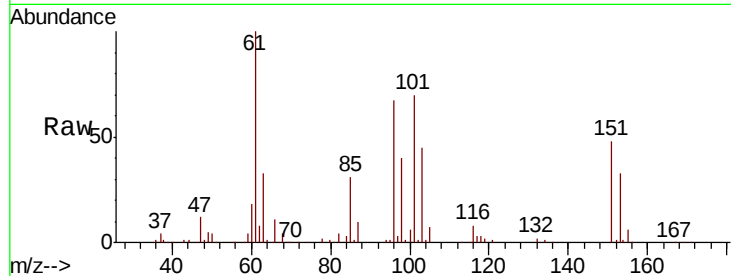
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	86271
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.2	52.8
151	74.9	60.3	90.5

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#10

Methyl Iodide

Concen: 49.929 ug/l

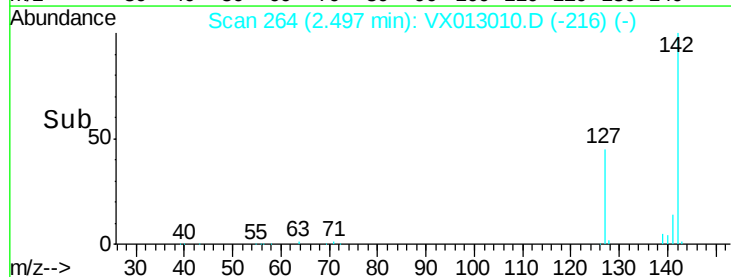
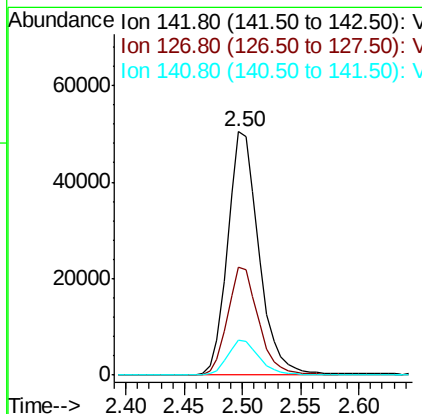
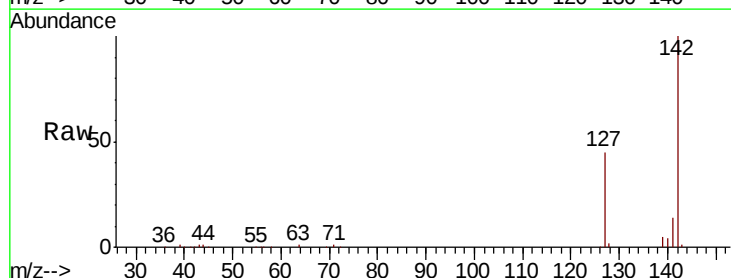
RT: 2.50 min Scan# 264

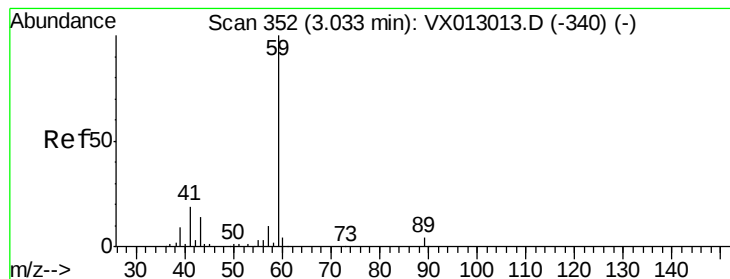
Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Tgt Ion:	142	Resp:	94551
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.9	52.3
141	14.4	11.6	17.4





#11

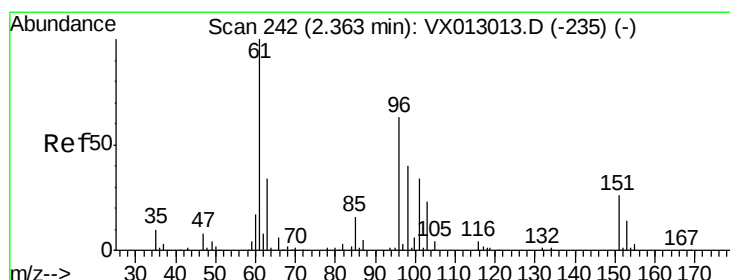
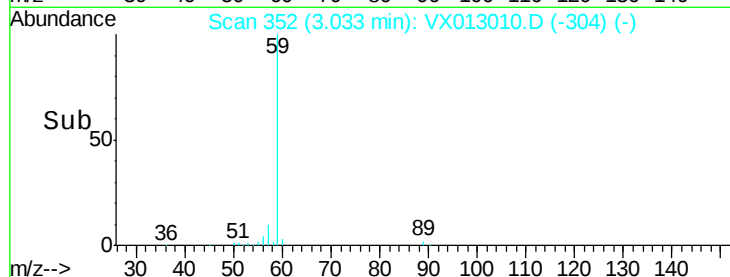
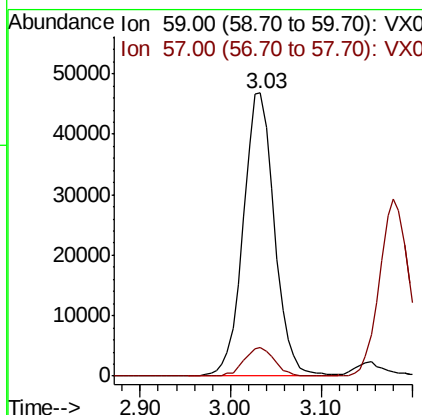
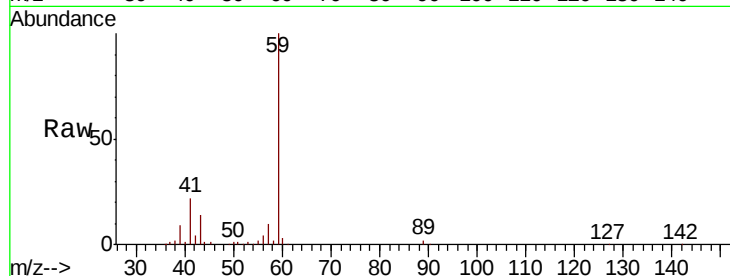
Tert butyl alcohol
Concen: 201.617 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

Manual Integrations
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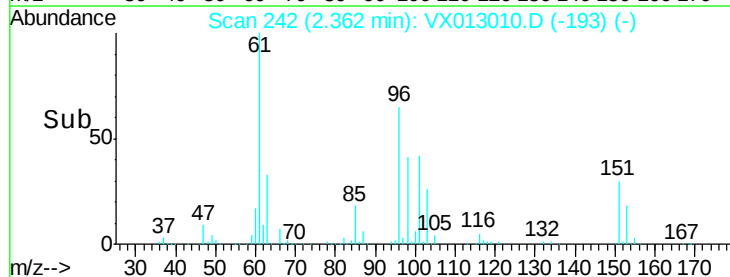
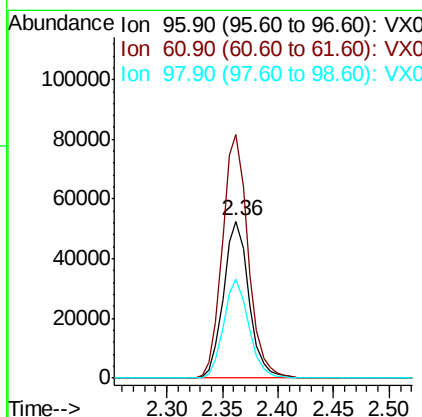
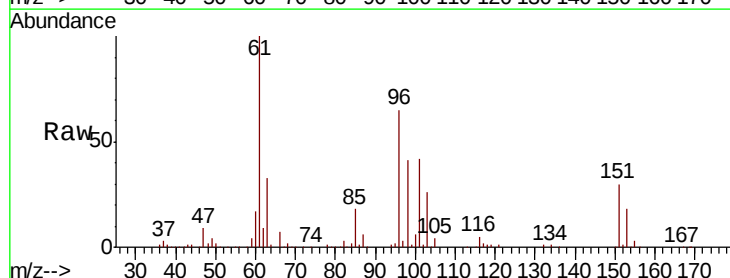
MMDadoda
10/14/2019 10:39:26 AM

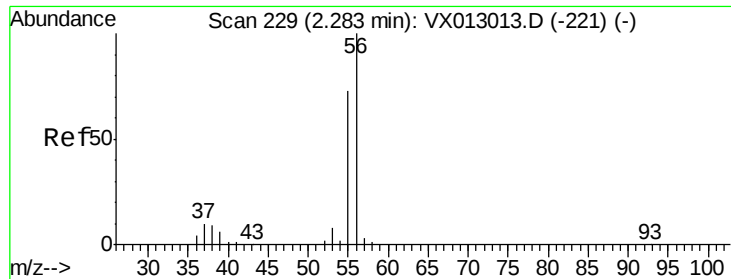


#12

1,1-Dichloroethene
Concen: 49.264 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.9	132.2	198.4
98	62.9	50.5	75.7





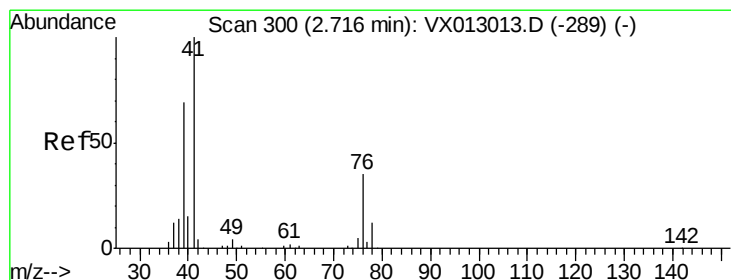
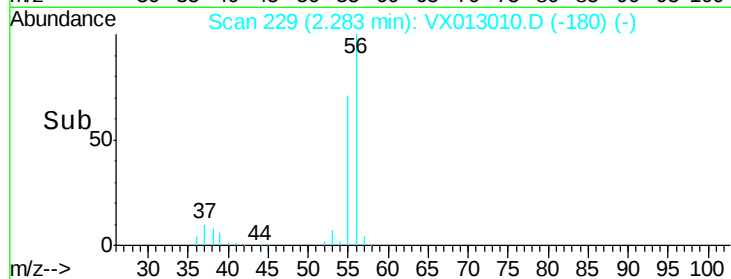
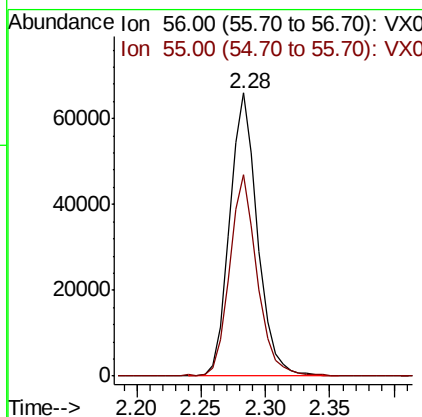
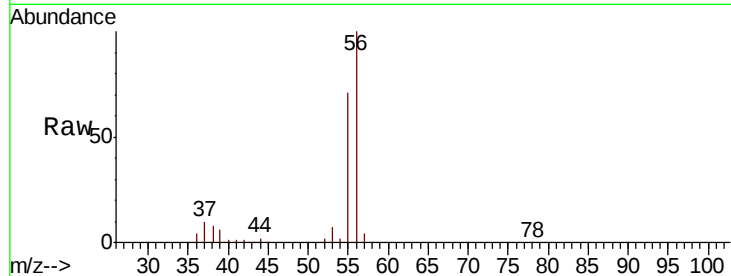
#13
Acrolein
Concen: 254.446 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.6	56.6	85.0

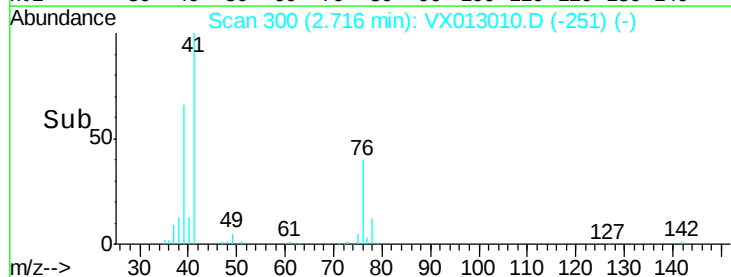
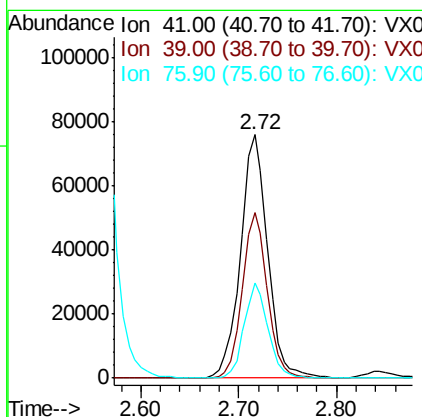
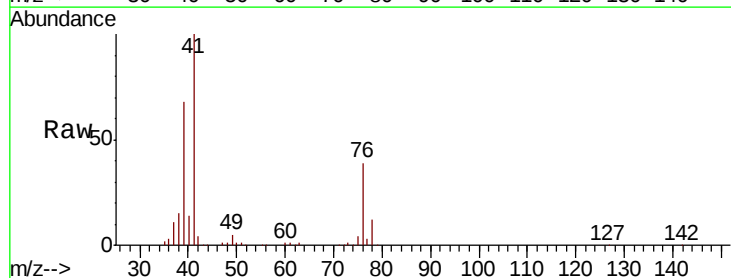
Manual Integrations
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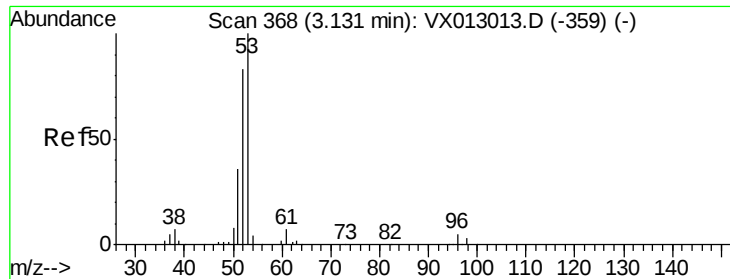
MMDadoda
10/14/2019 10:39:26 AM



#14
Allyl chloride
Concen: 48.646 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.9	51.0	76.6
76	34.3	26.2	39.4





#15

Acrylonitrile

Concen: 248.511 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

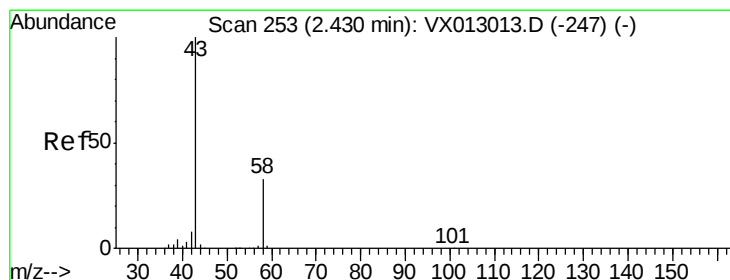
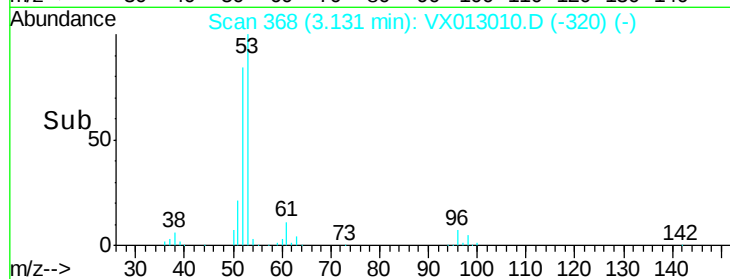
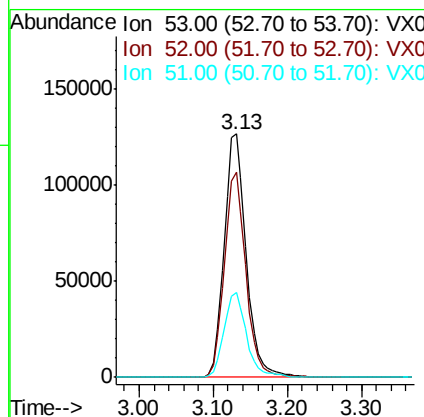
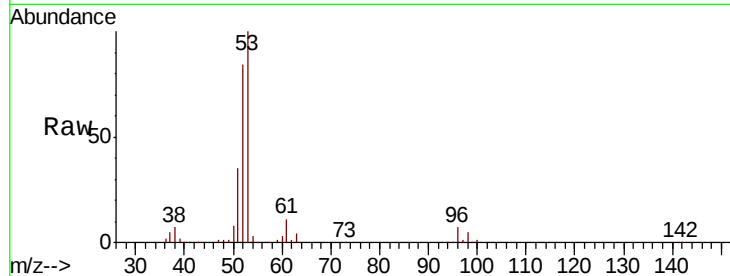
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	260820
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.2	99.2
51	35.6	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 221.551 ug/l

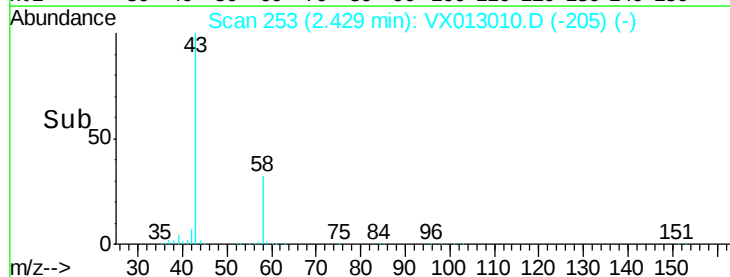
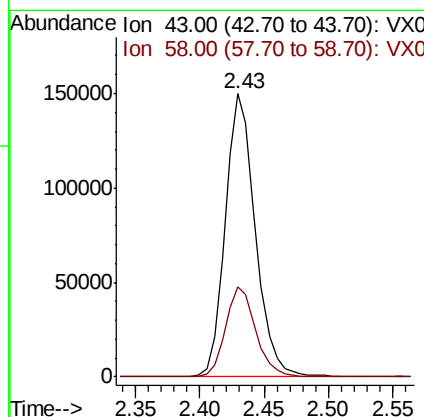
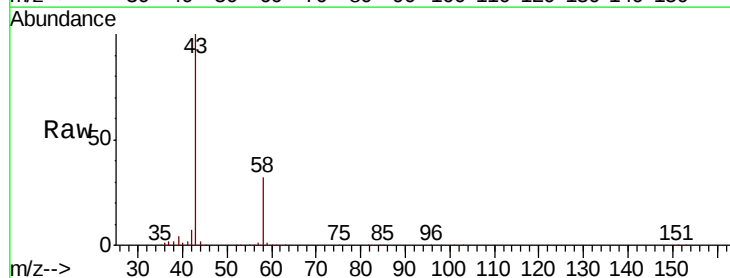
RT: 2.43 min Scan# 253

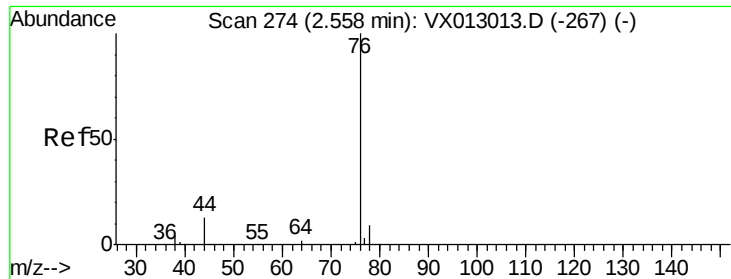
Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Tgt Ion:	43	Resp:	243973
Ion Ratio	Lower	Upper	
43	100		
58	32.0	25.4	38.2





#17

Carbon Disulfide

Concen: 44.121 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 212505

Ion Ratio Lower Upper

76 100

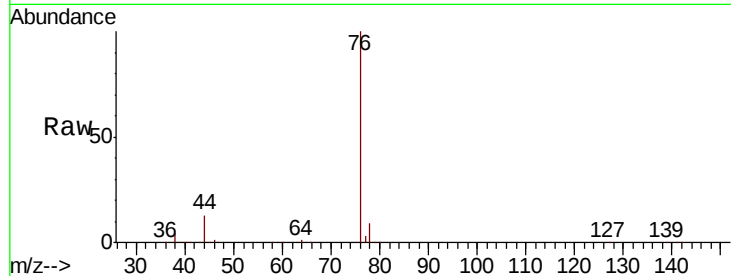
78 8.8 7.1 10.7

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

2.56

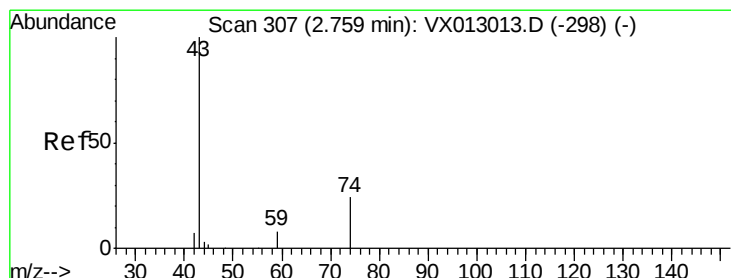
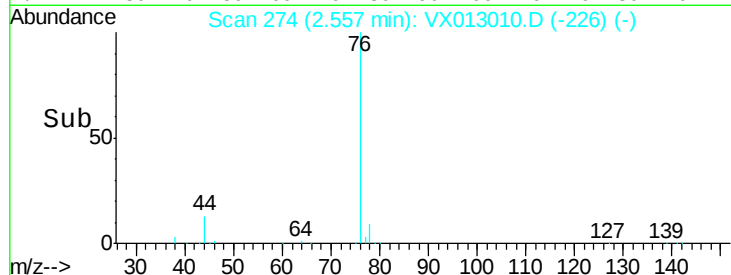
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.324 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX013010.D

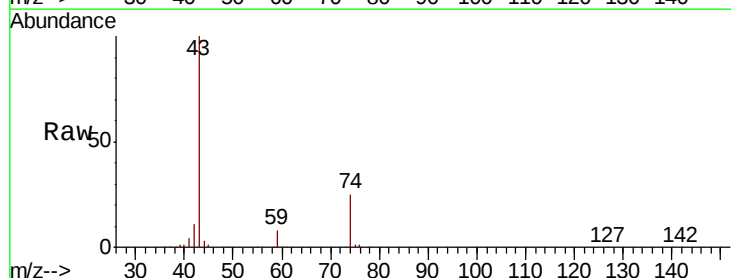
Acq: 11 Oct 2019 12:38

Tgt Ion: 43 Resp: 128744

Ion Ratio Lower Upper

43 100

74 24.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

80000

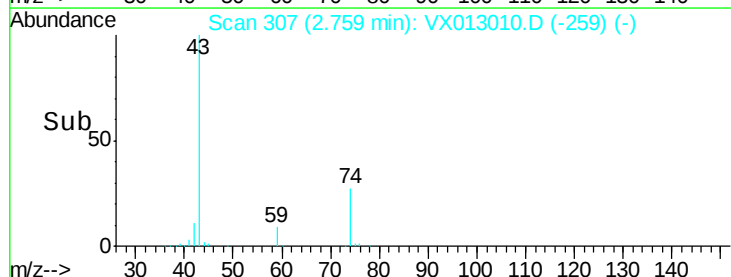
60000

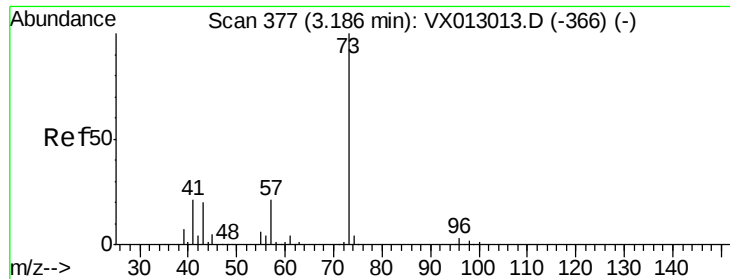
40000

20000

0

Time-->





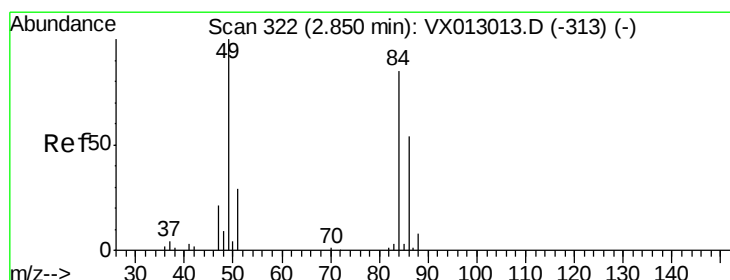
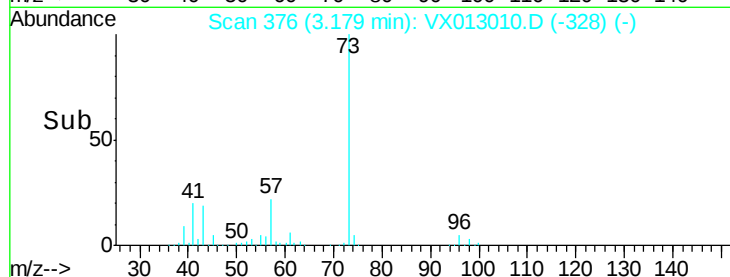
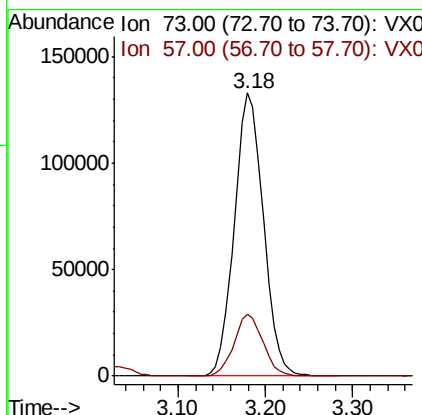
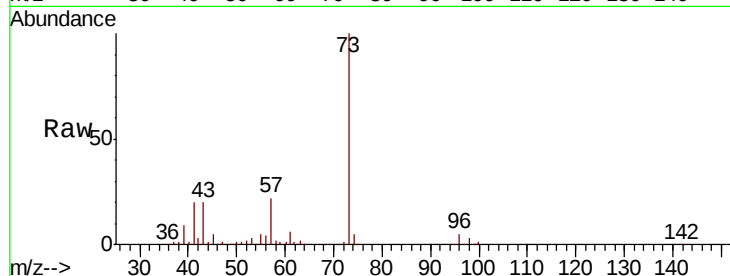
#19
Methyl tert-butyl Ether
Concen: 52.755 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.8	26.6

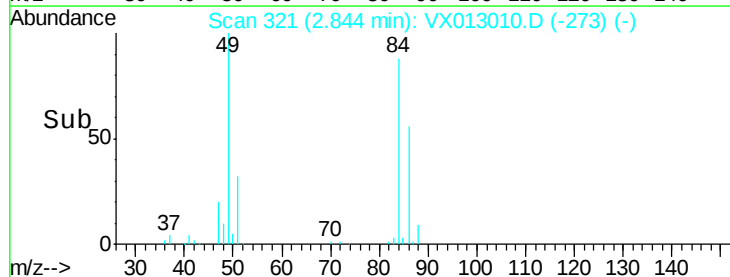
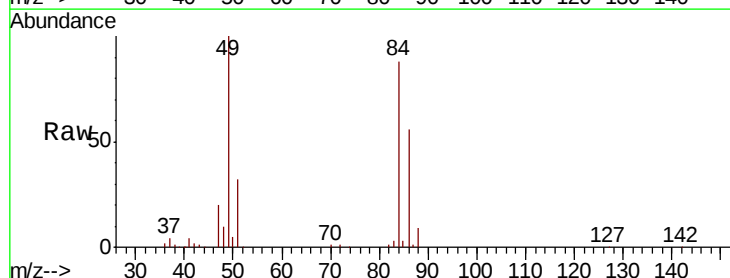
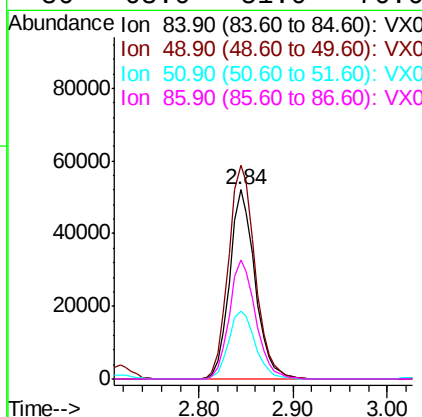
Manual Integrations
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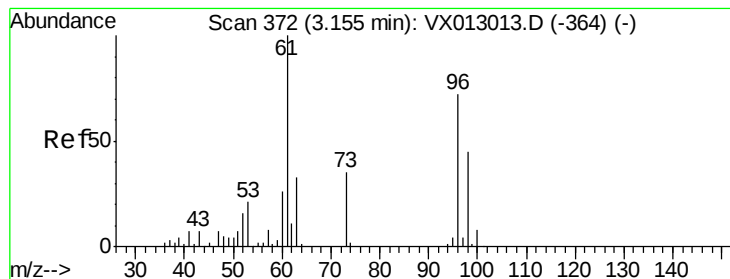
MMDadoda
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#20
Methylene Chloride
Concen: 48.382 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.1	96.6	144.8
51	35.7	30.7	46.1
86	63.0	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 49.048 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 88799

Ion Ratio Lower Upper

96 100

61 141.4 110.4 165.6

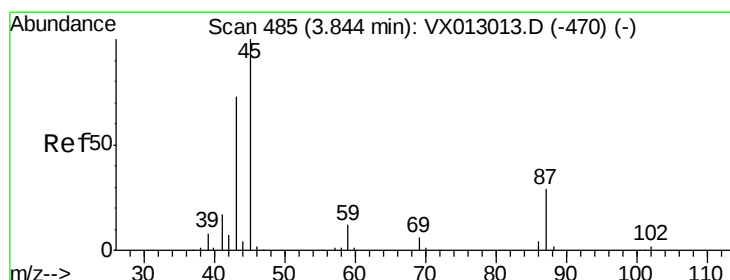
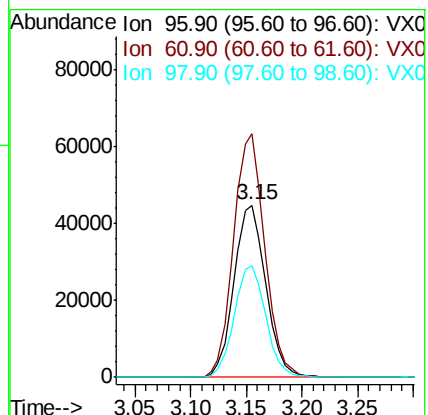
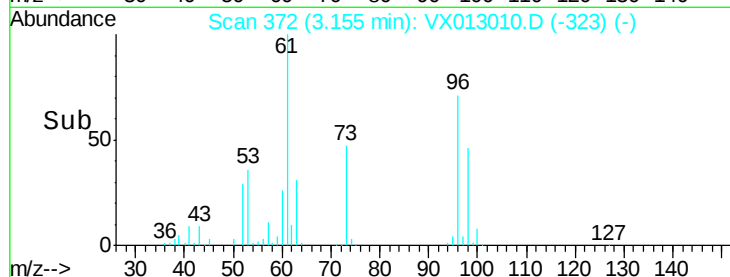
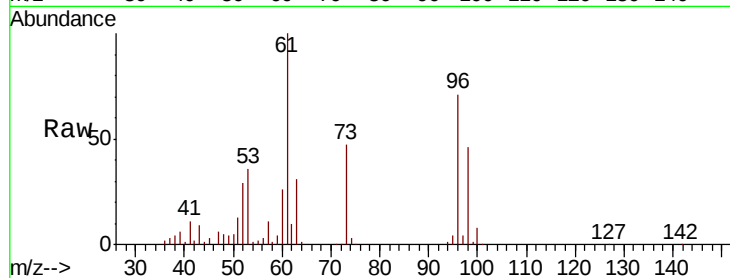
98 65.0 51.5 77.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 51.794 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Tgt Ion: 45 Resp: 298548

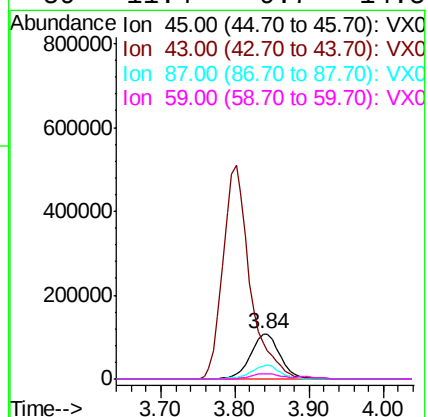
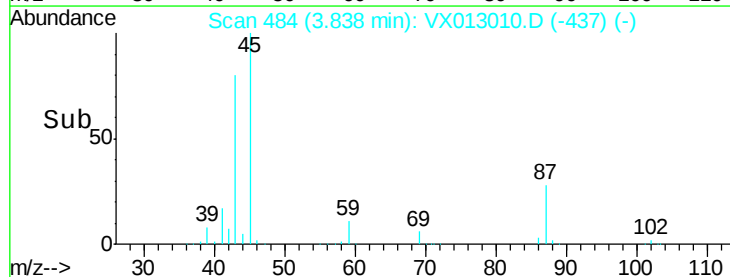
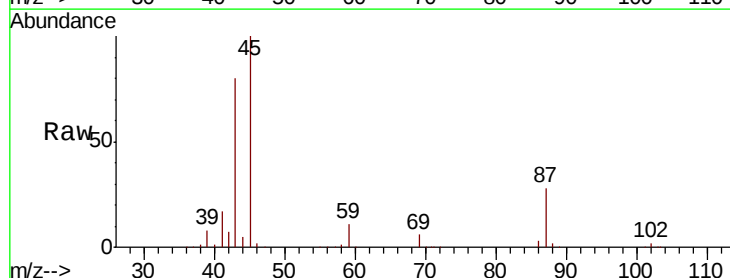
Ion Ratio Lower Upper

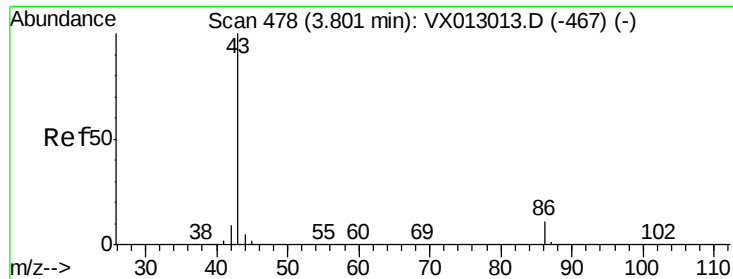
45 100

43 79.4 51.4 77.0#

87 28.0 22.5 33.7

59 11.4 9.7 14.5





#23

Vinyl Acetate

Concen: 260.386 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1295685

Ion Ratio Lower Upper

43 100

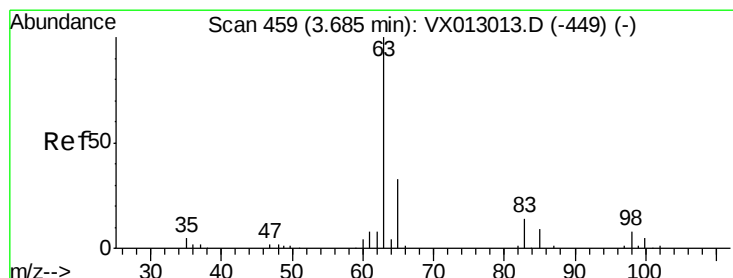
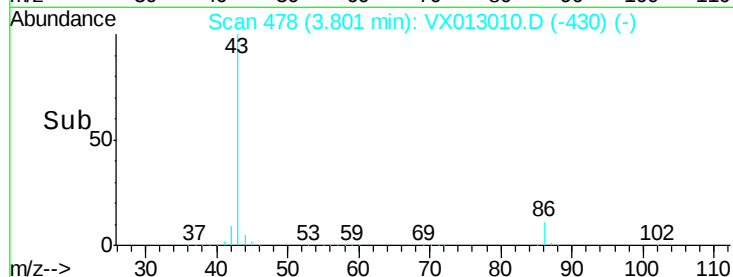
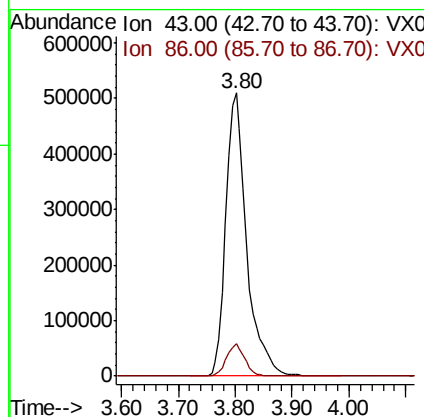
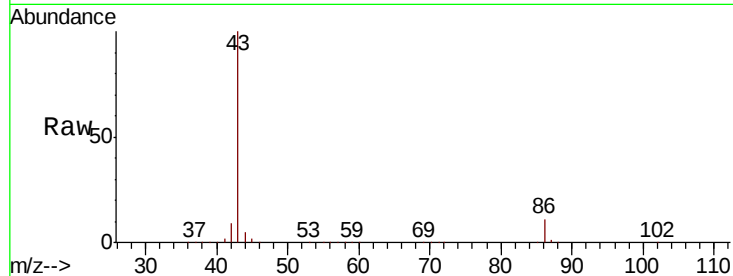
86 11.3 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.708 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

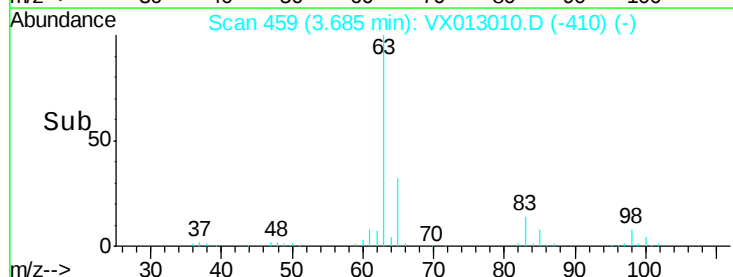
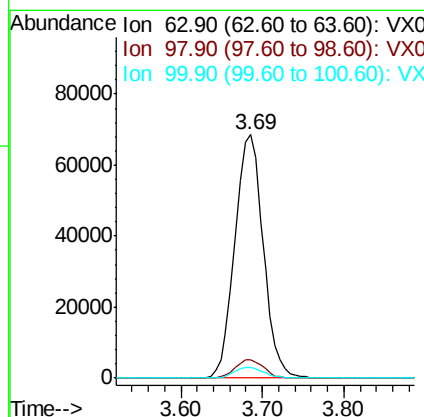
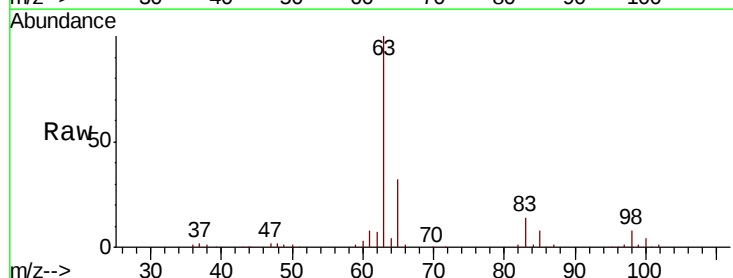
Tgt Ion: 63 Resp: 164433

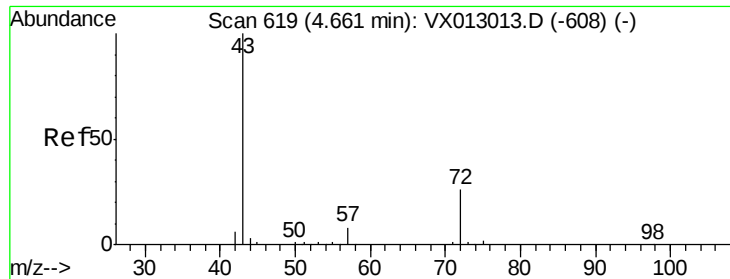
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 4.3 2.3 6.9





#25

2-Butanone

Concen: 236.350 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 361087

Ion Ratio Lower Upper

43 100

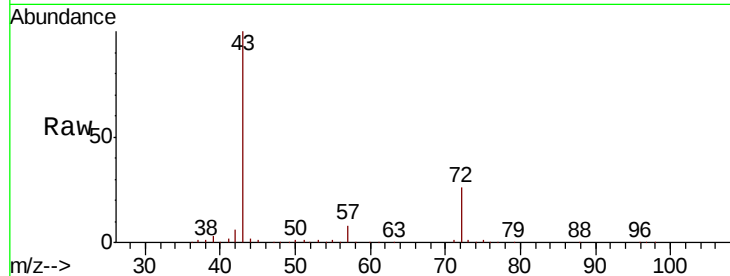
72 26.3 21.0 31.6

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

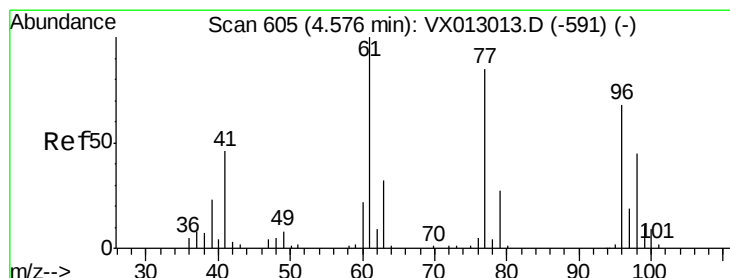
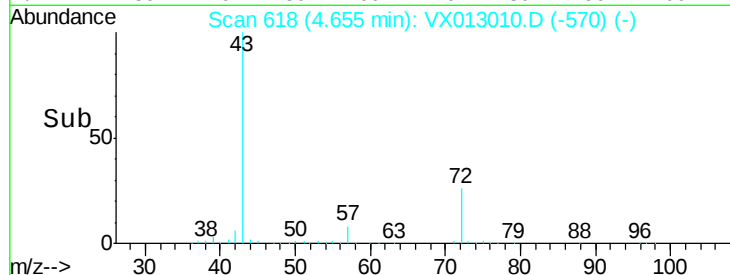
150000

100000

50000

0

Time--> 4.50 4.60 4.70 4.80



#26

2,2-Dichloropropane

Concen: 49.633 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013010.D

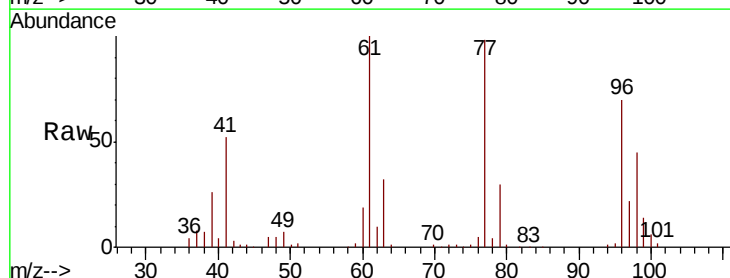
Acq: 11 Oct 2019 12:38

Tgt Ion: 77 Resp: 135342

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

50000

40000

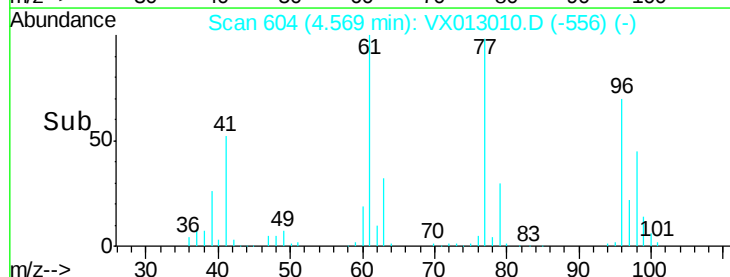
30000

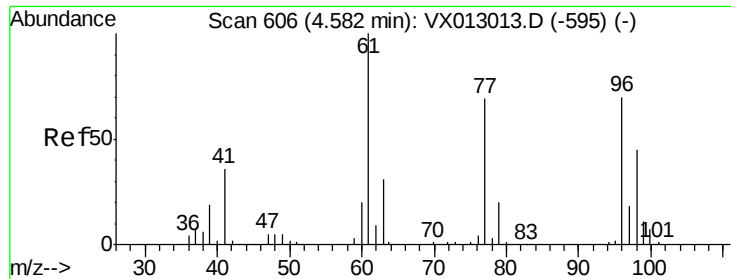
20000

10000

0

Time--> 4.40 4.50 4.60 4.70





#27

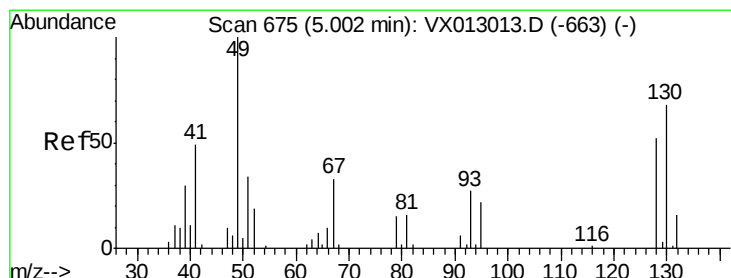
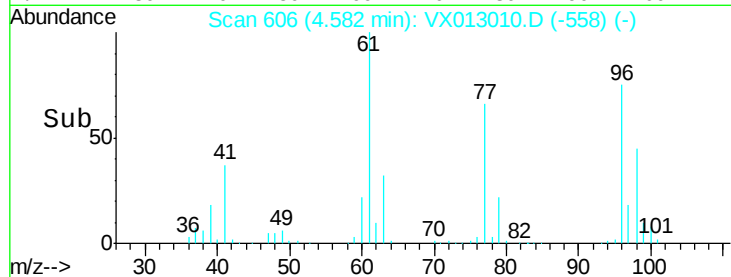
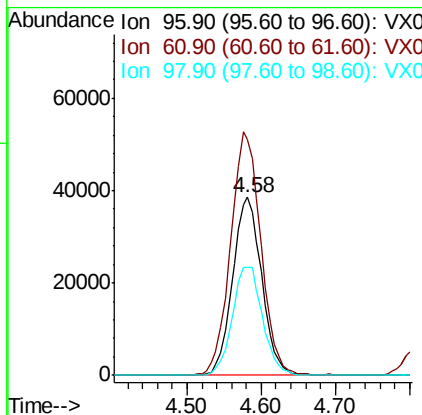
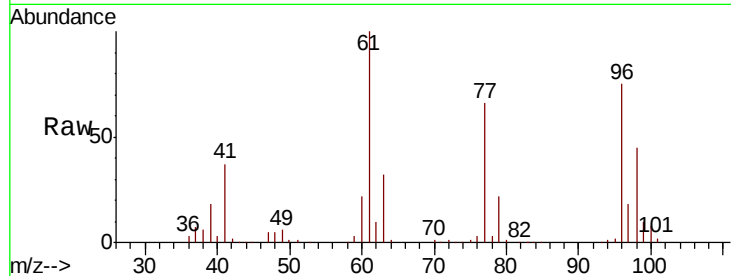
cis-1,2-Dichloroethene
Concen: 50.740 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	105889		
61	141.3		0.0	290.6
98	62.9		0.0	128.8

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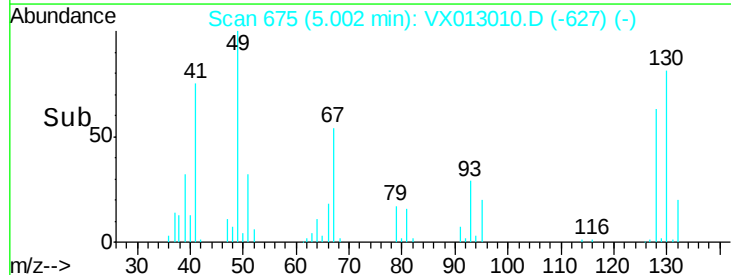
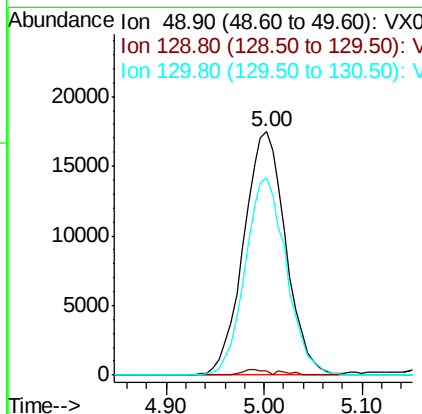
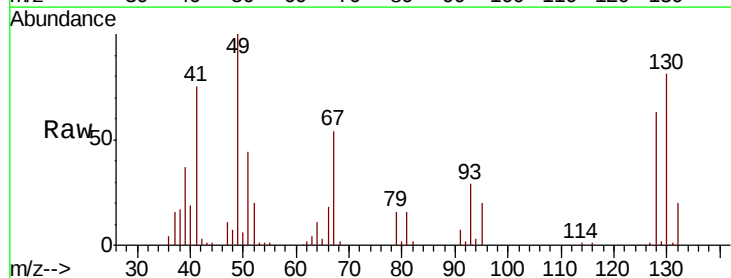
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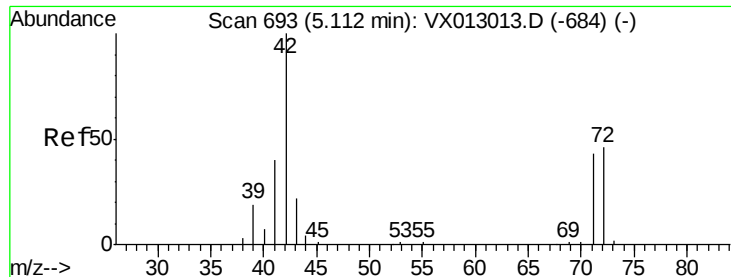


#28

Bromochloromethane
Concen: 54.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	52297		
129	1.1		0.0	4.2
130	79.4		62.1	93.1





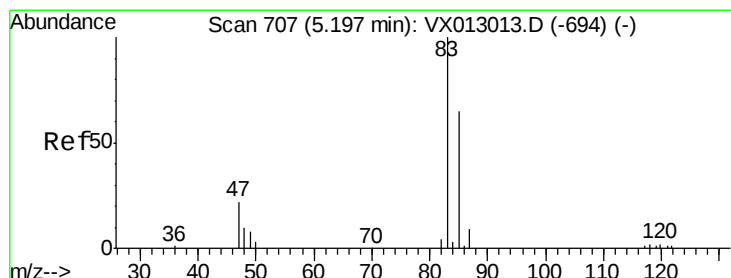
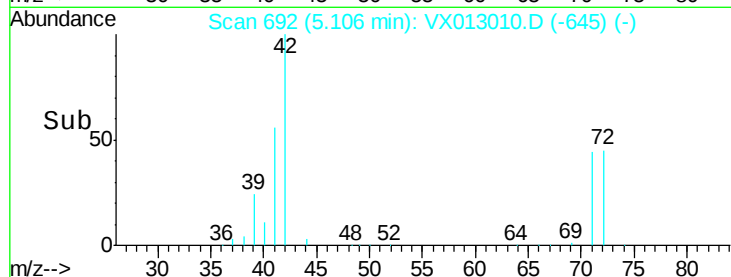
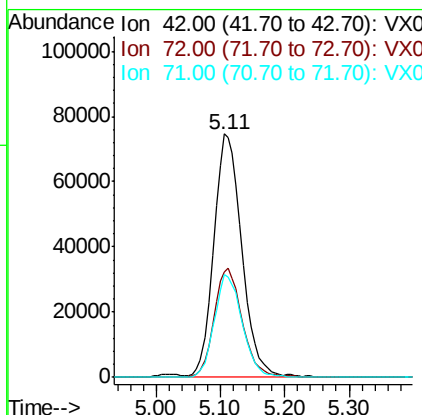
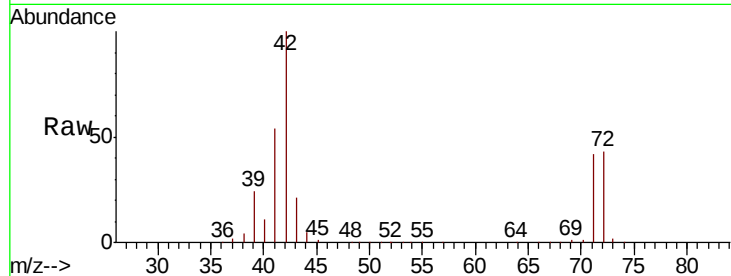
#29
Tetrahydrofuran
Concen: 242.479 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	36.9	55.3
71	42.3	33.5	50.3

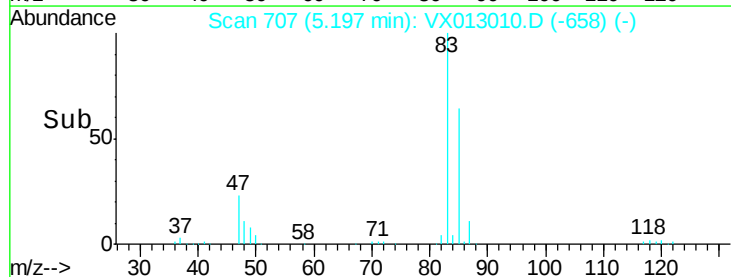
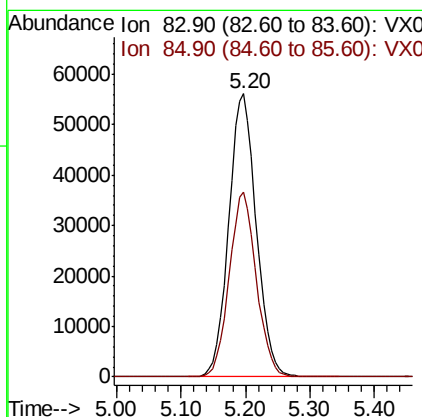
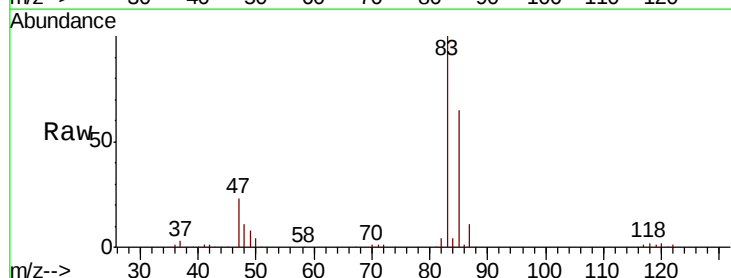
Manual Integrations
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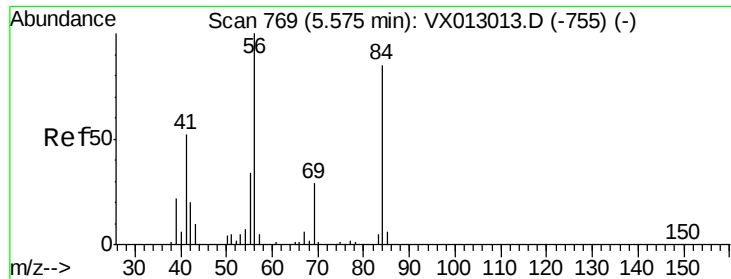
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#30
Chloroform
Concen: 50.400 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.5	77.3





#31

Cyclohexane

Concen: 49.736 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

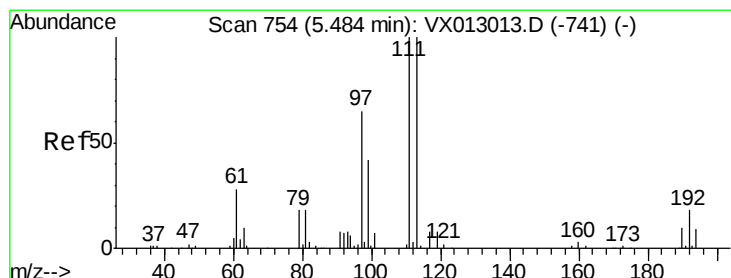
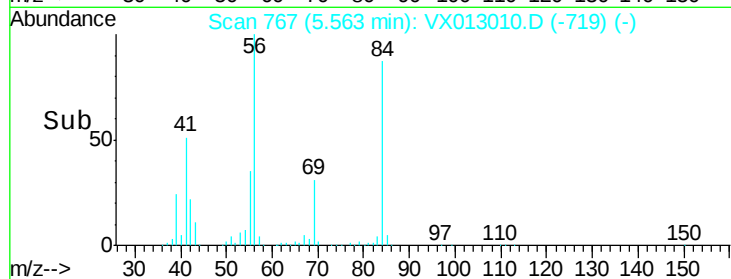
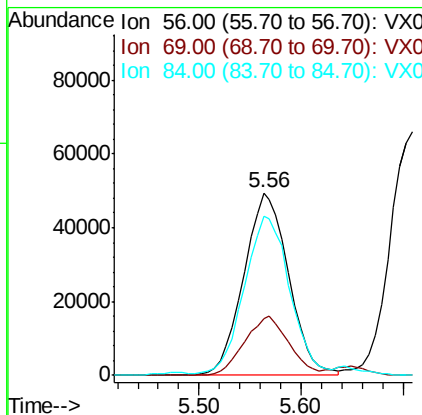
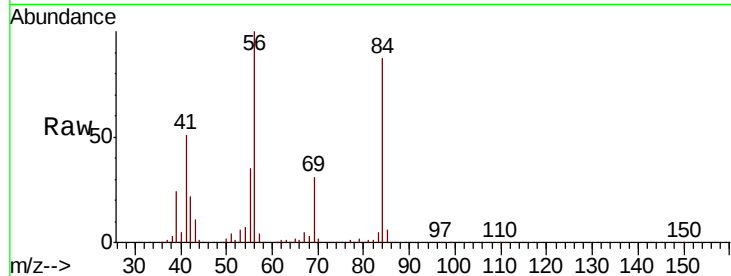
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	150812
Ion Ratio	Lower	Upper	
56	100		
69	31.4	25.2	37.8
84	85.8	71.3	106.9

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#32

1,1,1-Trichloroethane

Concen: 51.221 ug/l

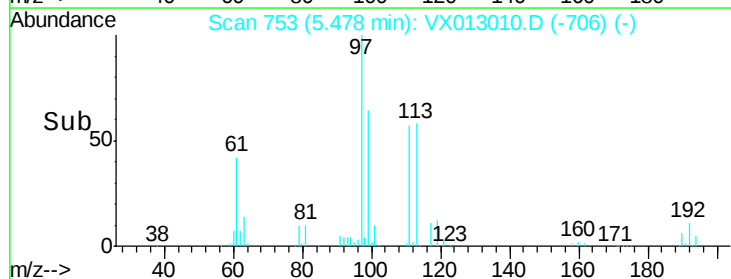
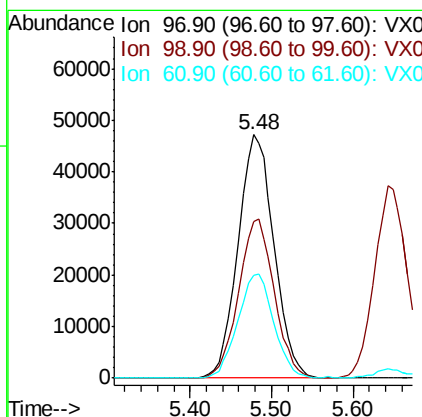
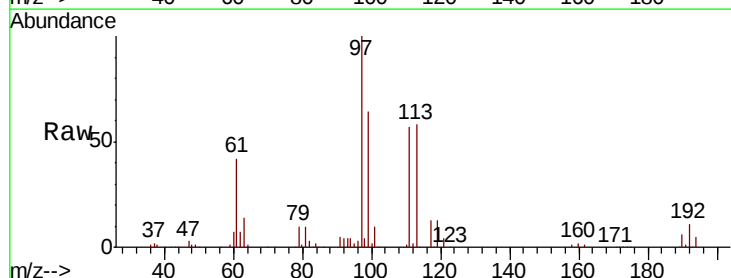
RT: 5.48 min Scan# 753

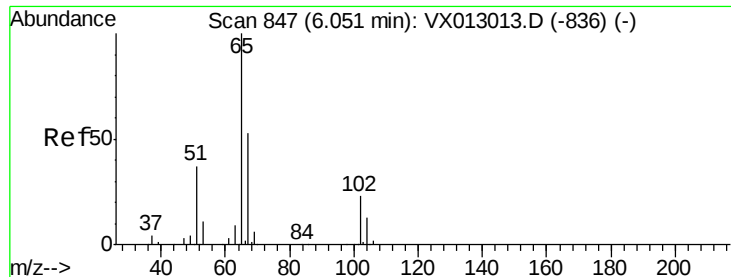
Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Tgt Ion:	97	Resp:	144406
Ion Ratio	Lower	Upper	
97	100		
99	64.7	52.3	78.5
61	42.8	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 48.492 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 101309

Ion Ratio Lower Upper

65 100

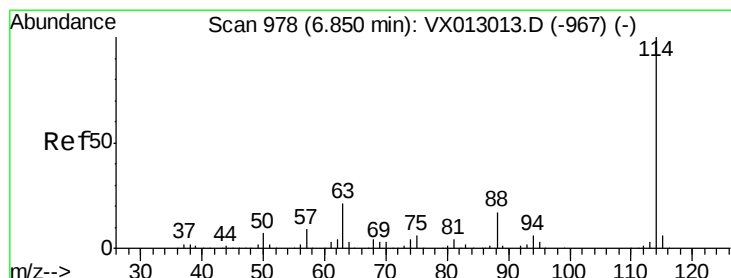
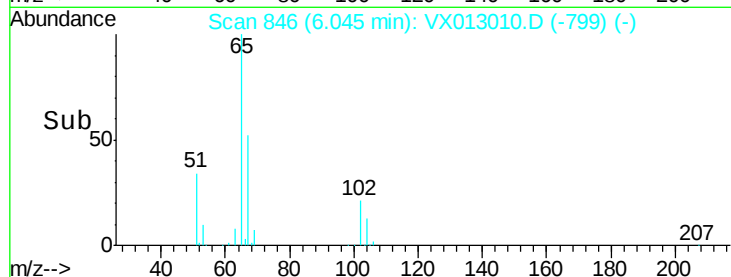
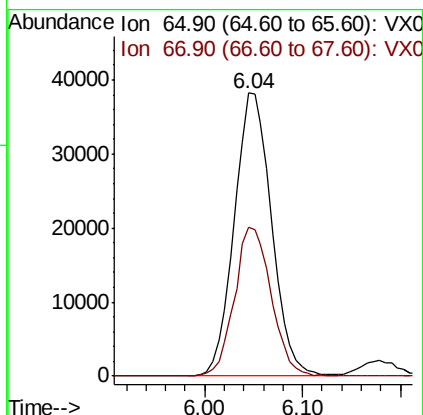
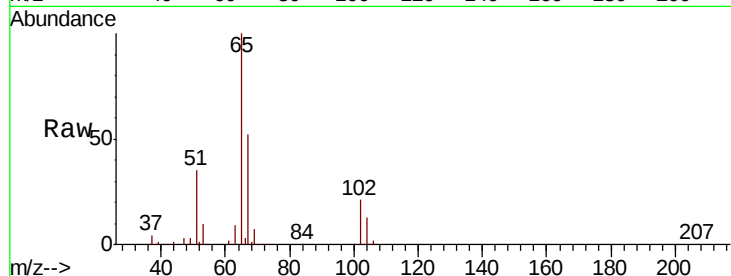
67 51.9 0.0 104.4

Manual Integrations

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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: VX013010.D

Acq: 11 Oct 2019 12:38

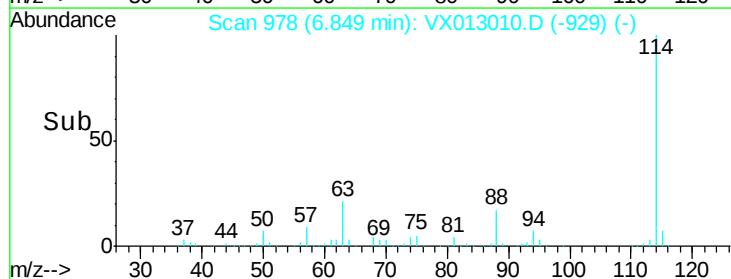
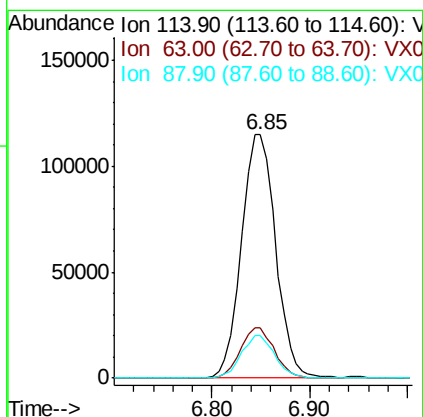
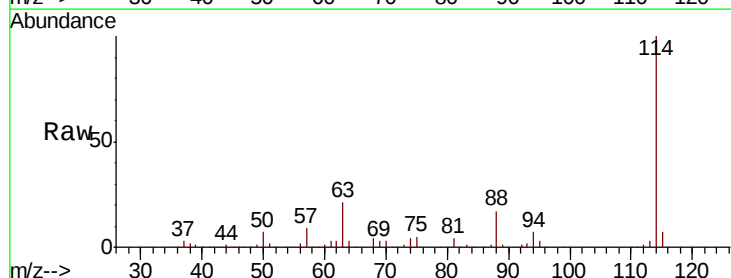
Tgt Ion: 114 Resp: 278846

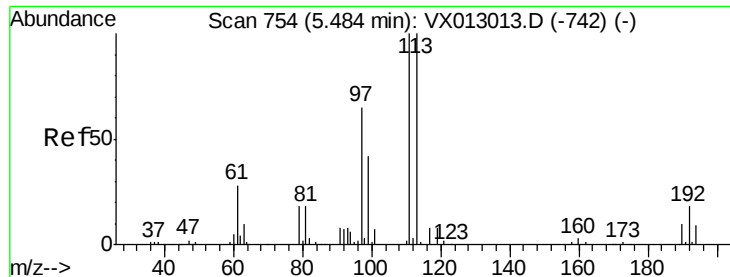
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 17.3 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.554 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

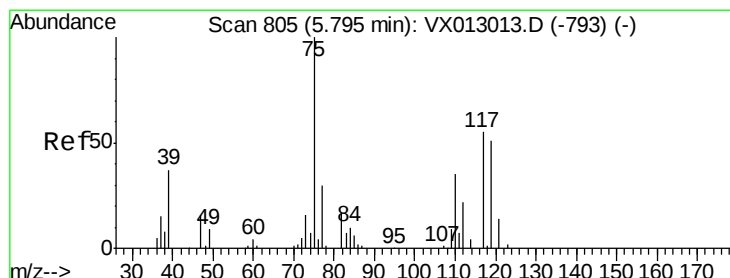
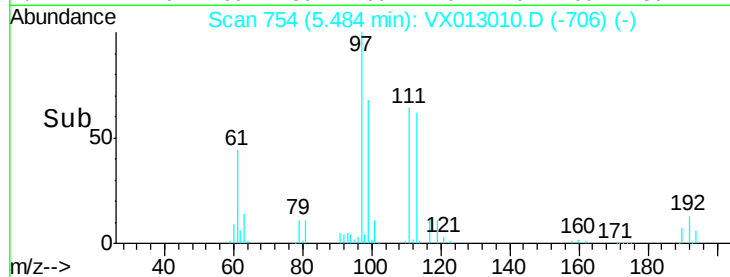
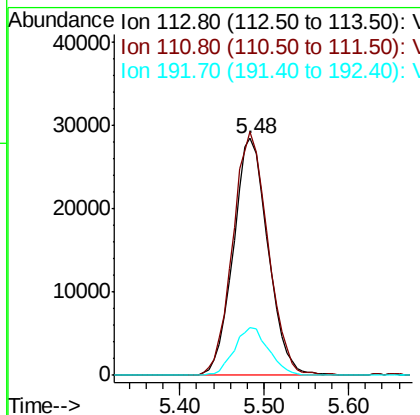
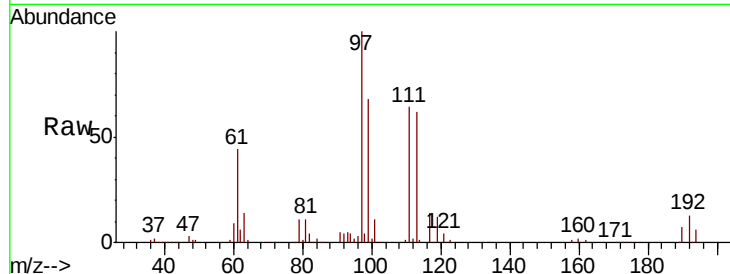
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	79307
Ion Ratio	Lower	Upper	
113	100		
111	104.2	83.2	124.8
192	19.9	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 51.388 ug/l

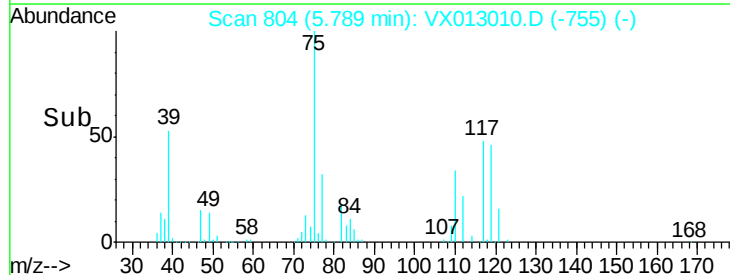
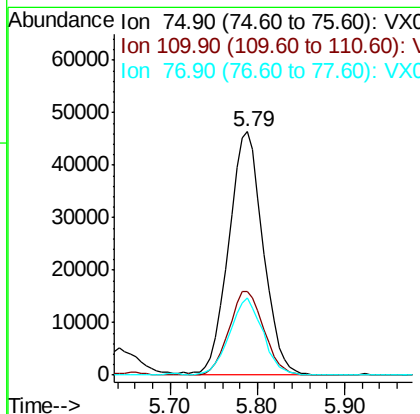
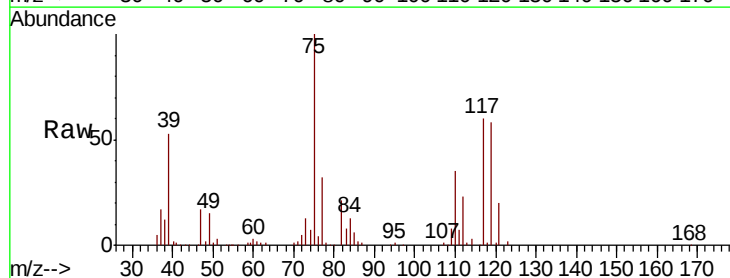
RT: 5.79 min Scan# 804

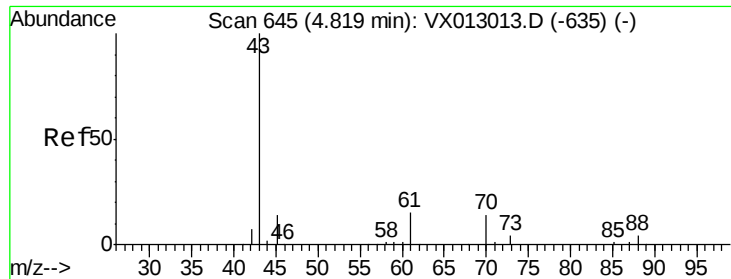
Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Tgt Ion:	75	Resp:	125985
Ion Ratio	Lower	Upper	
75	100		
110	35.2	17.6	52.9
77	30.8	24.4	36.6





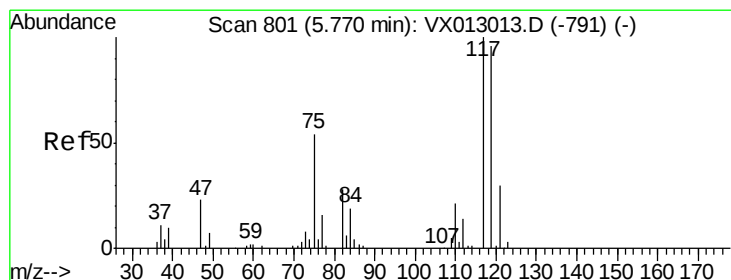
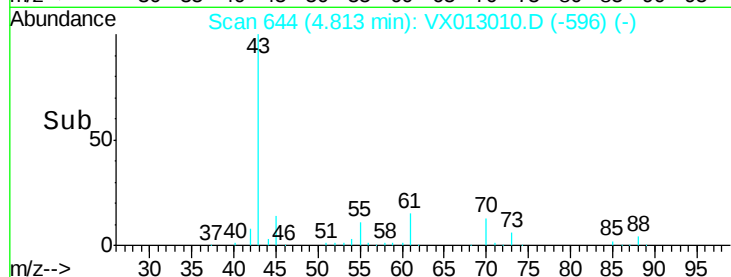
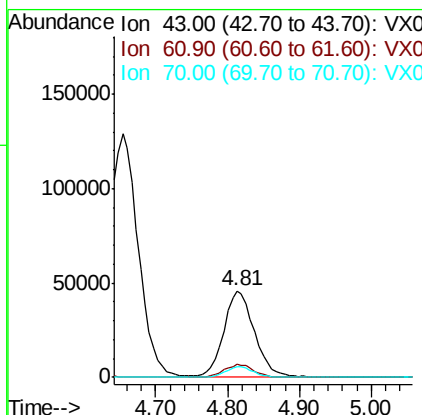
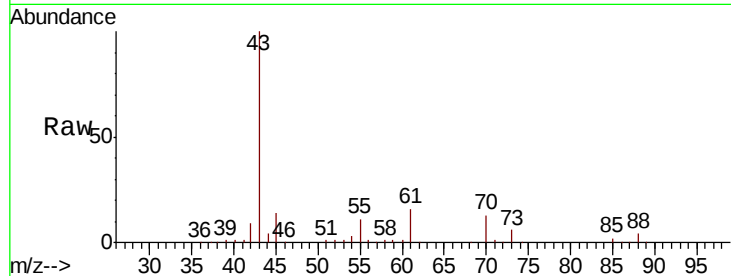
#37
Ethyl Acetate
Concen: 49.232 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.4	17.0
70	11.7	9.8	14.6

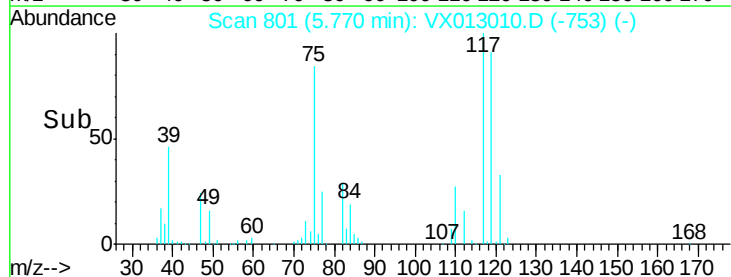
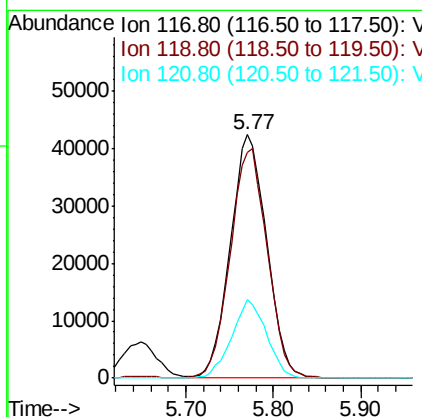
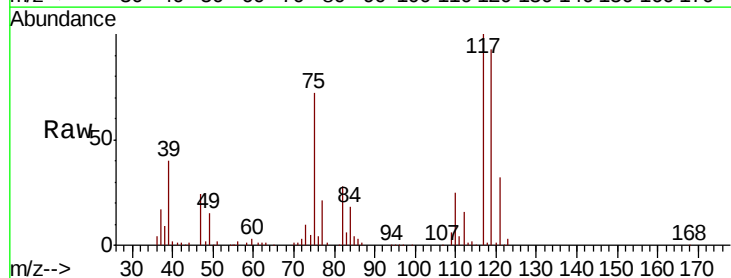
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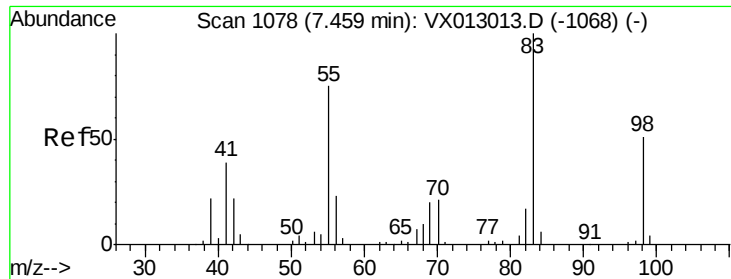
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#38
Carbon Tetrachloride
Concen: 51.345 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	74.5	111.7
121	32.1	24.2	36.4





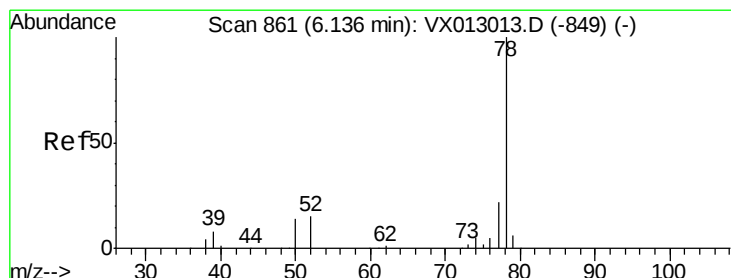
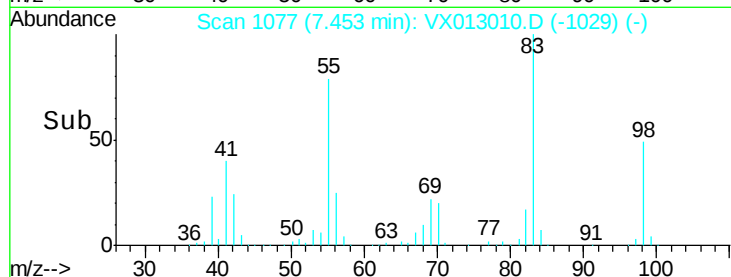
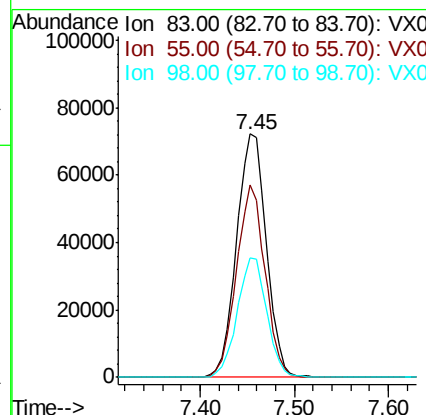
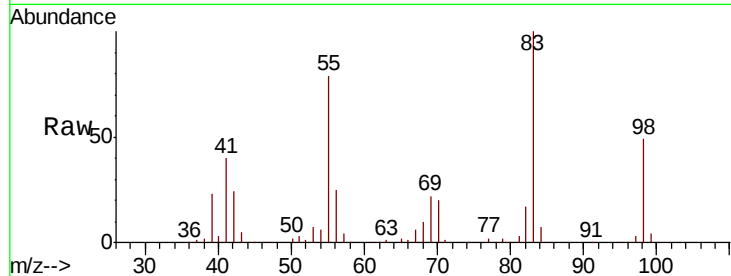
#39
Methylvlcyclohexane
Concen: 53.242 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.0	60.2	90.4	
98	49.0	38.5	57.7	

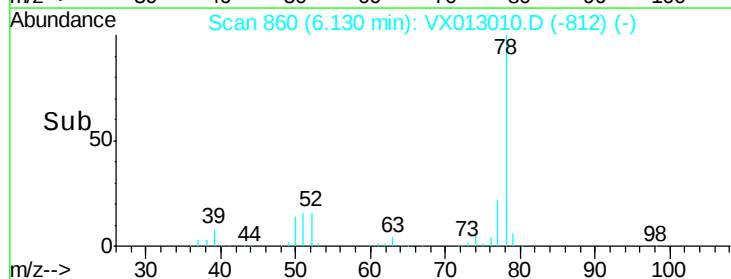
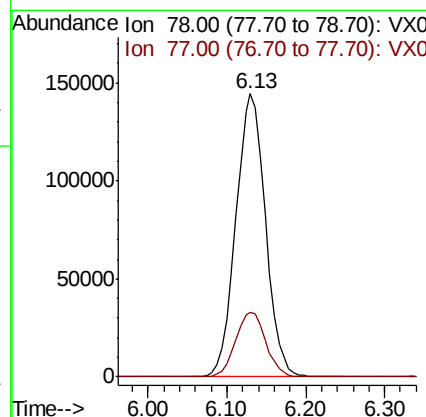
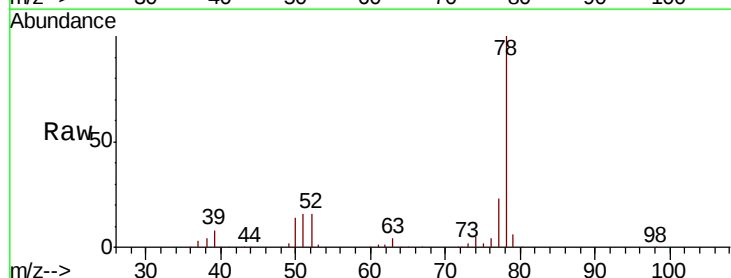
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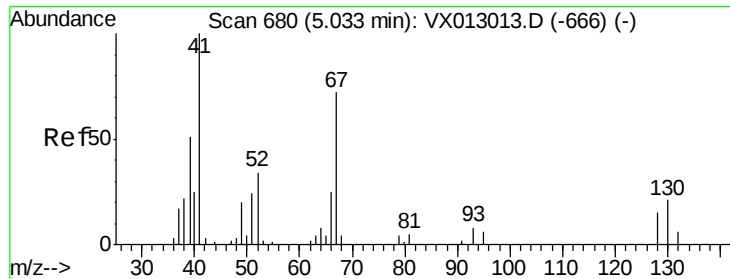
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#40
Benzene
Concen: 52.051 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.7	19.0	28.4	





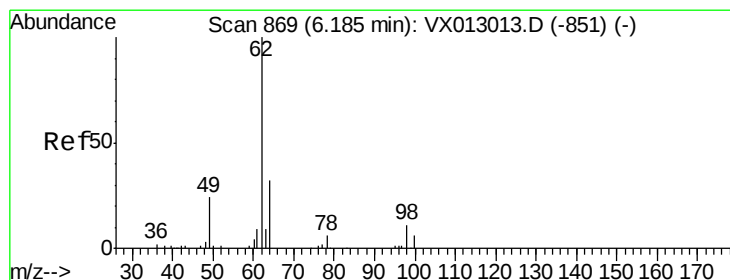
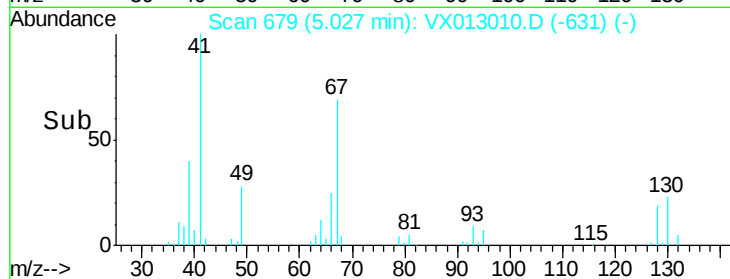
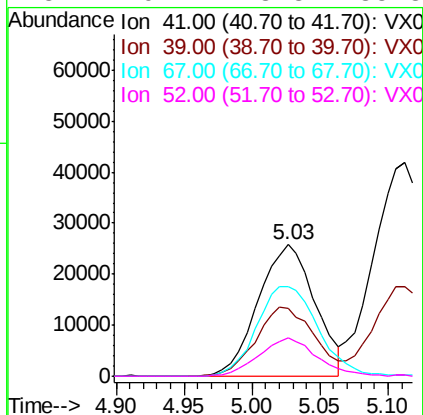
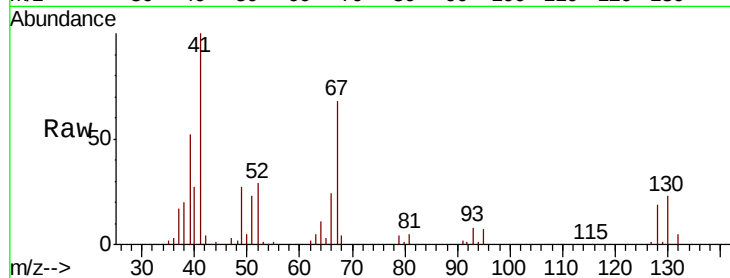
#41
Methacrylonitrile
Concen: 49.794 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.1	44.0	66.0	
67	74.5	58.5	87.7	
52	29.7	23.8	35.8	

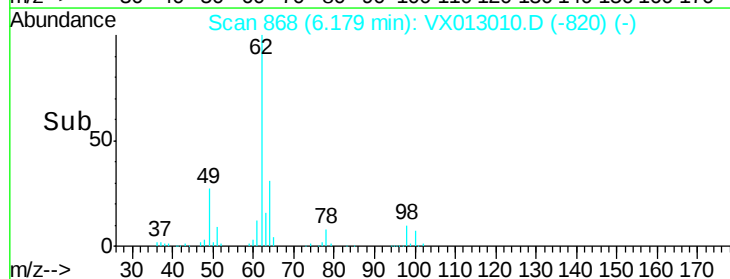
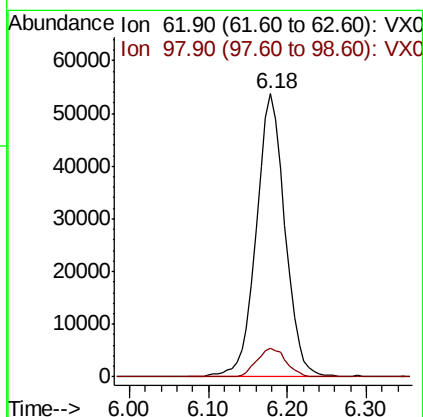
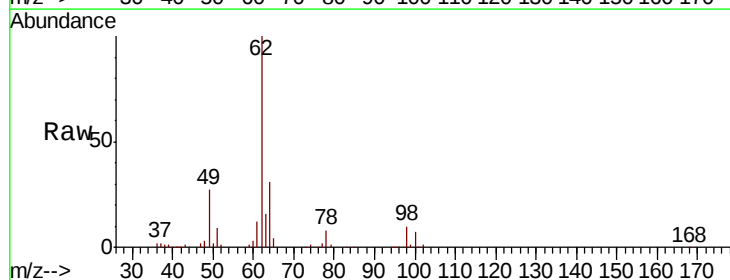
Manual Integrations
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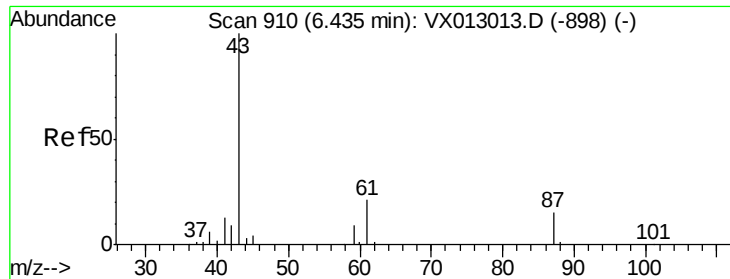
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#42
1,2-Dichloroethane
Concen: 52.343 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.4	





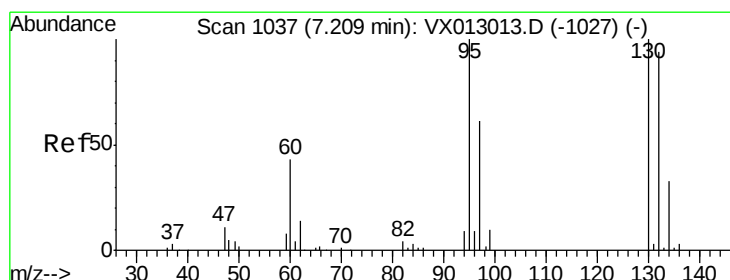
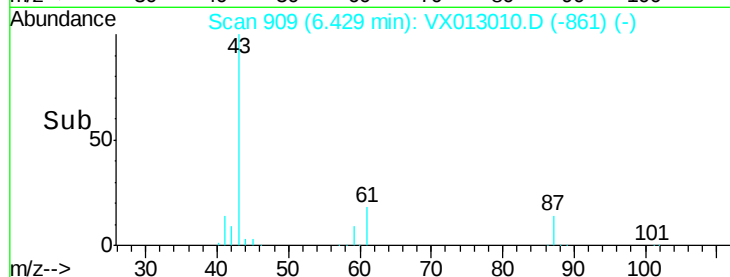
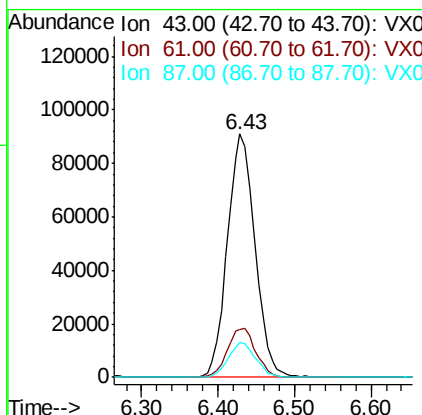
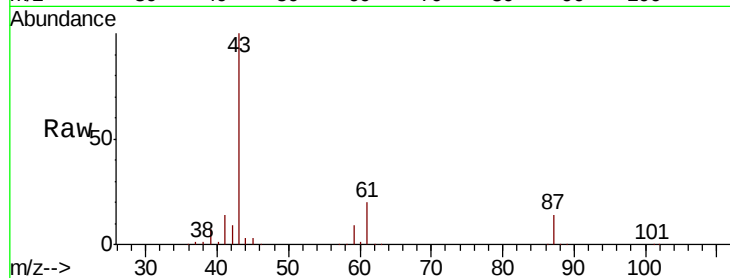
#43
Isopropyl Acetate
Concen: 51.628 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.6	24.8
87	14.1	11.0	16.6

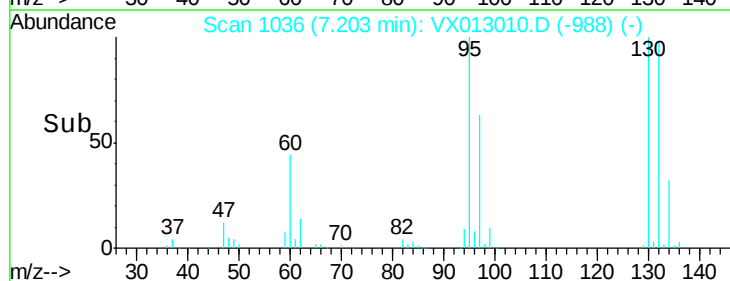
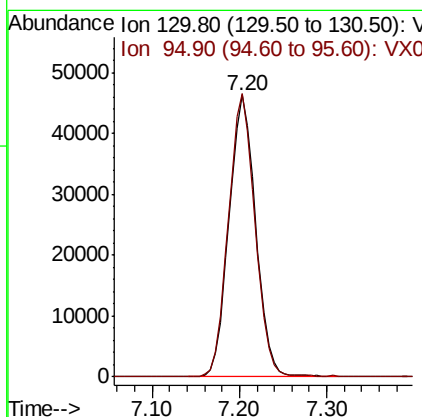
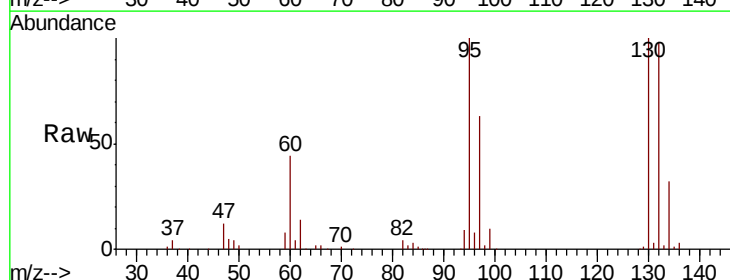
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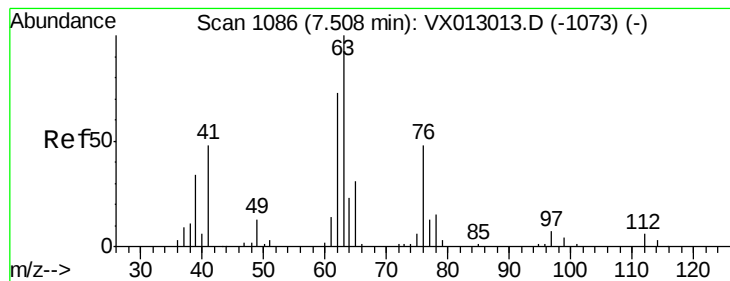
MMDadoda
10/14/2019 10:39:26 AM



#44
Trichloroethene
Concen: 49.044 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	189.2





#45

1,2-Dichloropropane

Concen: 52.420 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 96739

Ion Ratio Lower Upper

63 100

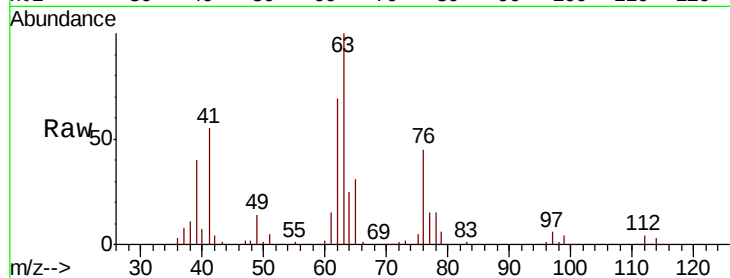
65 31.2 24.6 37.0

Manual Integrations

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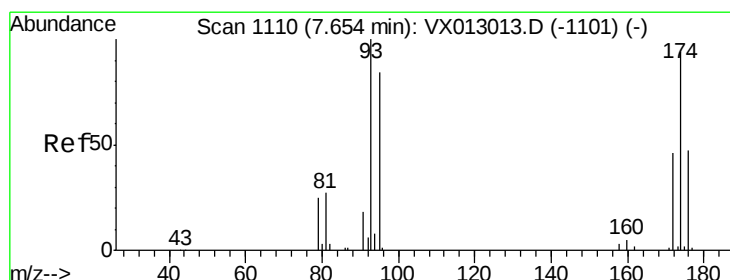
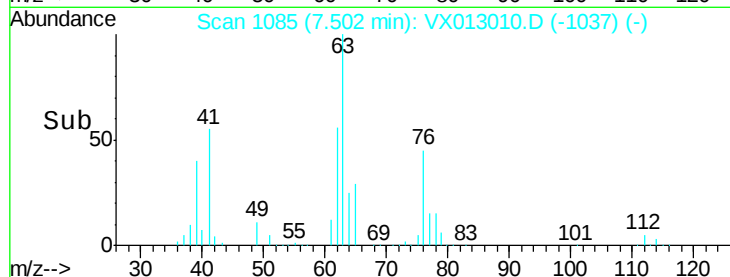
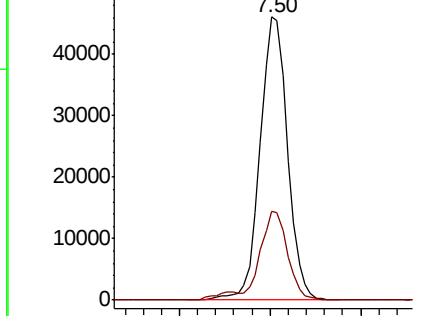
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 52.812 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

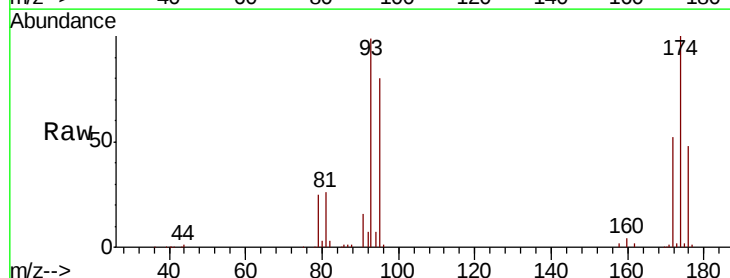
Tgt Ion: 93 Resp: 64936

Ion Ratio Lower Upper

93 100

95 84.6 66.3 99.5

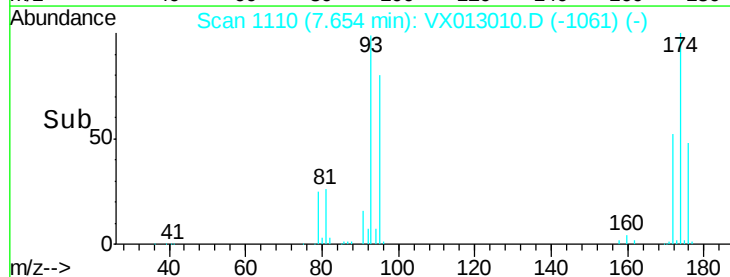
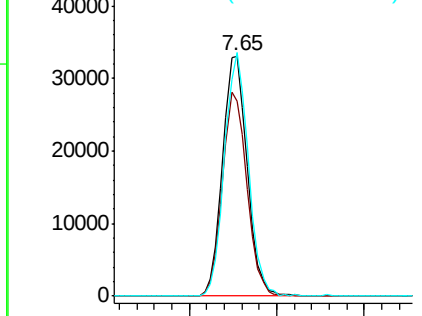
174 98.5 77.8 116.6

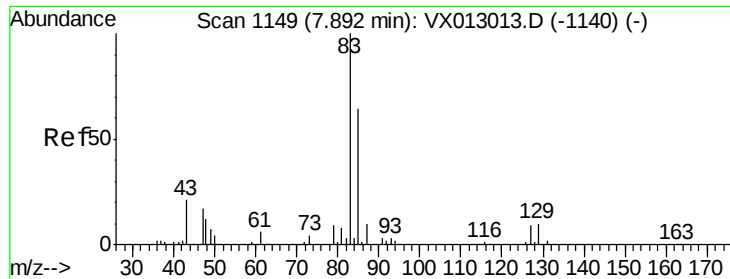


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





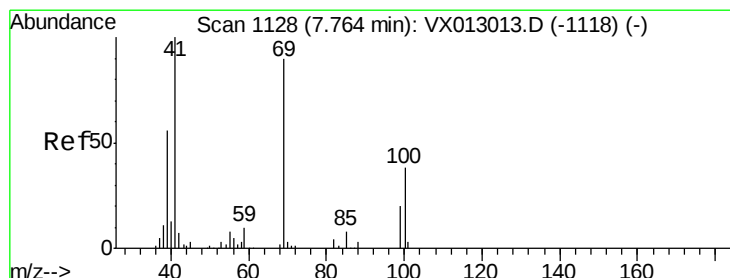
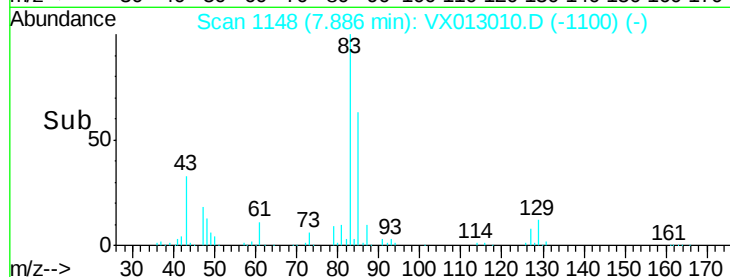
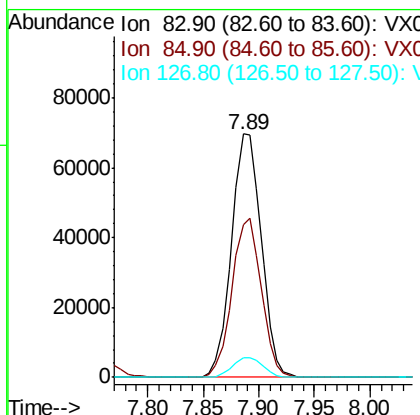
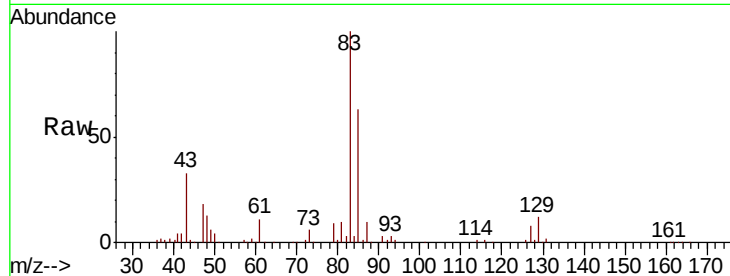
#47
Bromodichloromethane
Concen: 53.930 ug/l
RT: 7.89 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	129406		
85	62.9		52.4	78.6
127	8.0		6.6	10.0

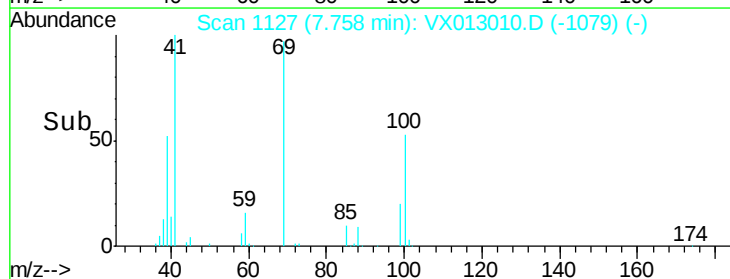
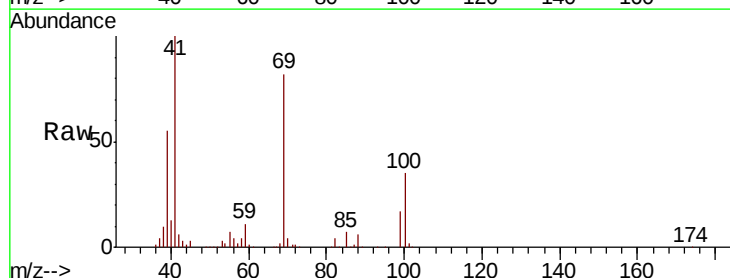
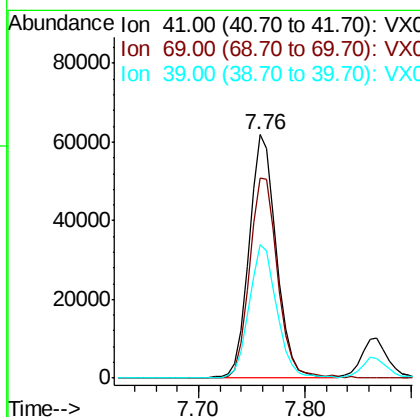
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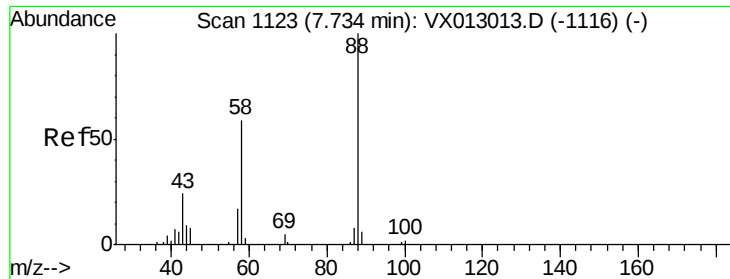
MMDadoda
10/14/2019 10:39:26 AM



#48
Methyl methacrylate
Concen: 51.753 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	110967		
69	85.6		68.7	103.1
39	55.7		44.3	66.5





#49

1,4-Dioxane

Concen: 828.964 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

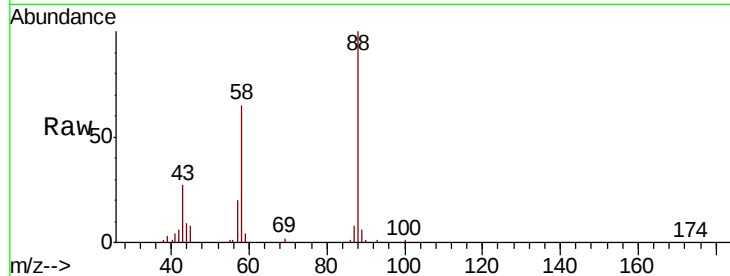
ClientSampleId :

VSTDCCC050

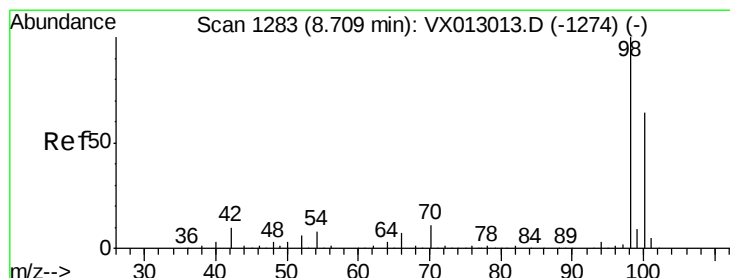
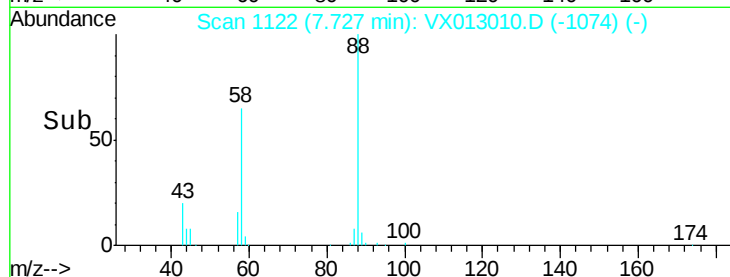
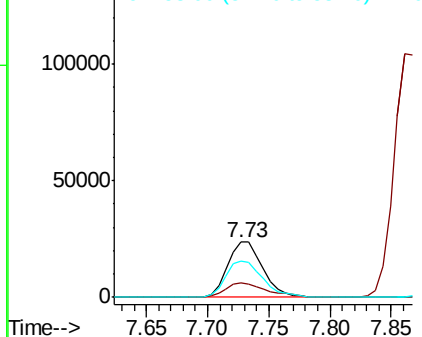
Tot Ion:	88	Resp:	47341
Ion	Ratio	Lower	Upper
88	100		
43	31.4	25.0	37.6
58	68.9	55.4	83.2

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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.258 ug/l

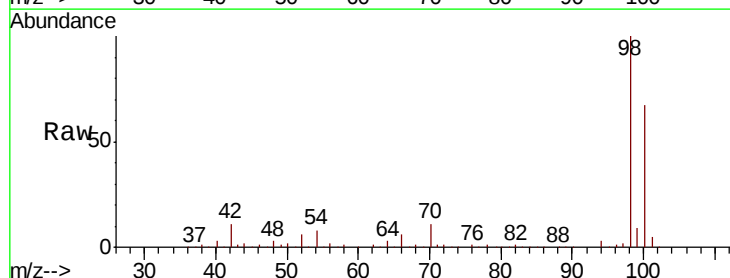
RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

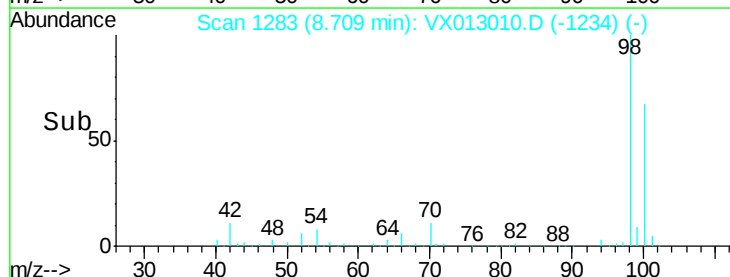
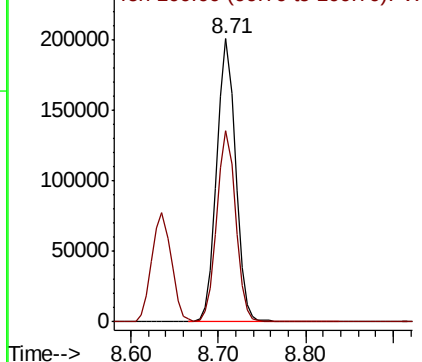
Lab File: VX013010.D

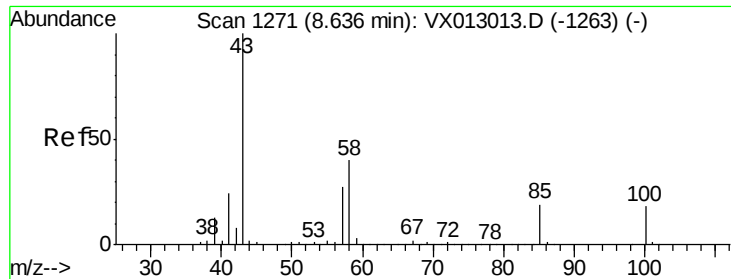
Acq: 11 Oct 2019 12:38

Tgt Ion:	98	Resp:	301228
Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 251.744 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 690614

Ion Ratio Lower Upper

43 100

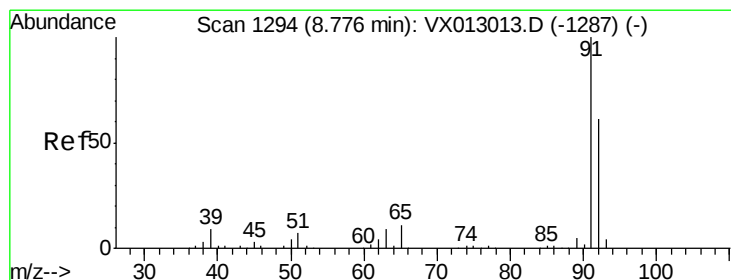
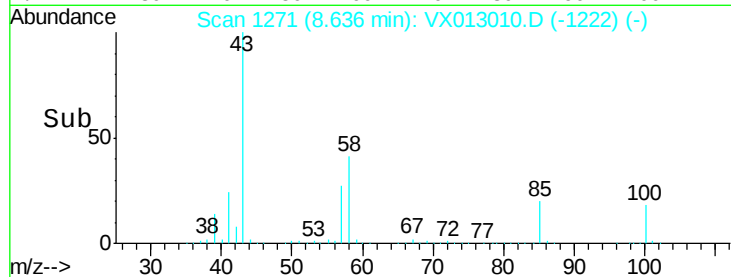
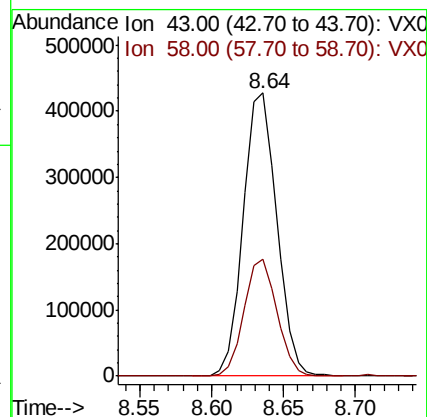
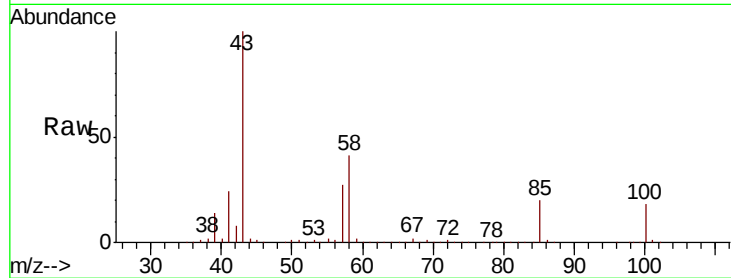
58 40.5 32.4 48.6

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#52

Toluene

Concen: 52.187 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013010.D

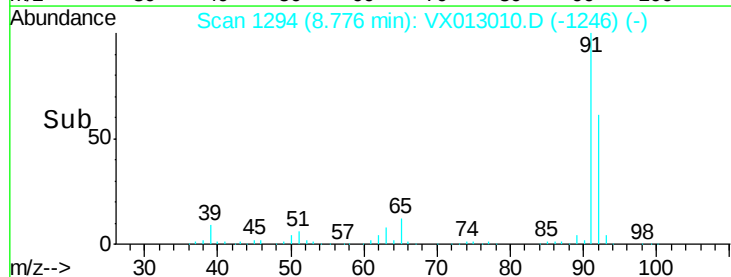
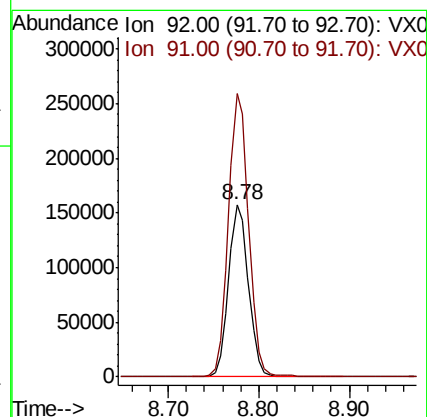
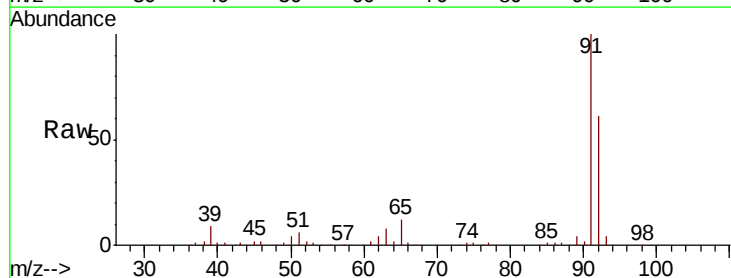
Acq: 11 Oct 2019 12:38

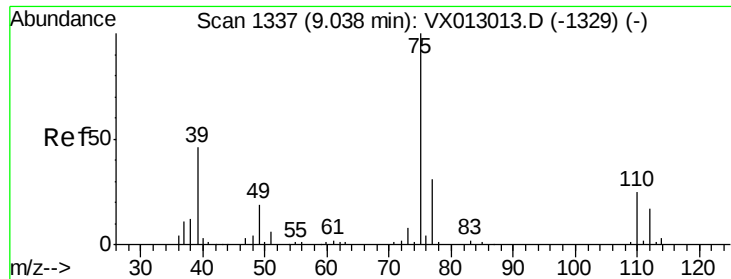
Tgt Ion: 92 Resp: 241751

Ion Ratio Lower Upper

92 100

91 166.2 135.9 203.9





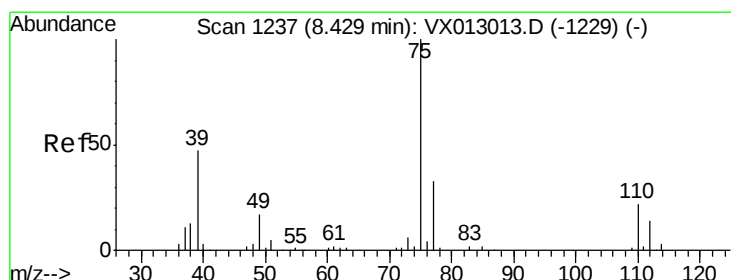
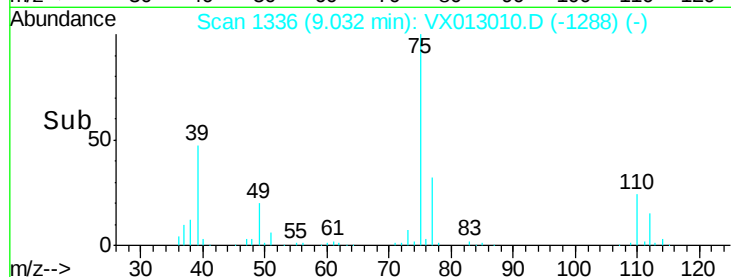
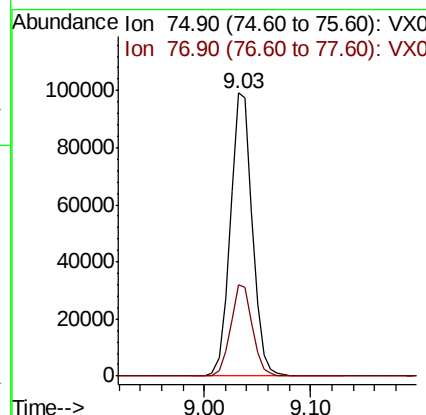
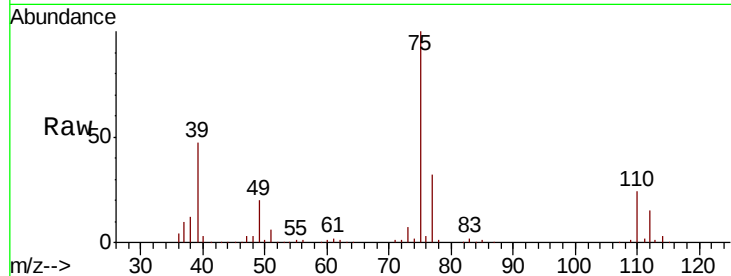
#53
t-1,3-Dichloropropene
Concen: 48.003 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 143474
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.6

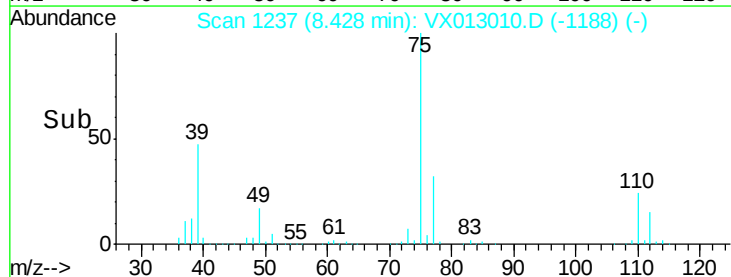
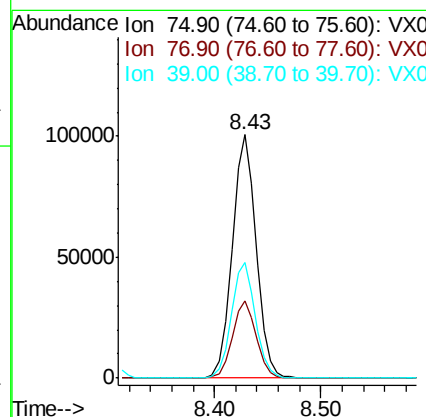
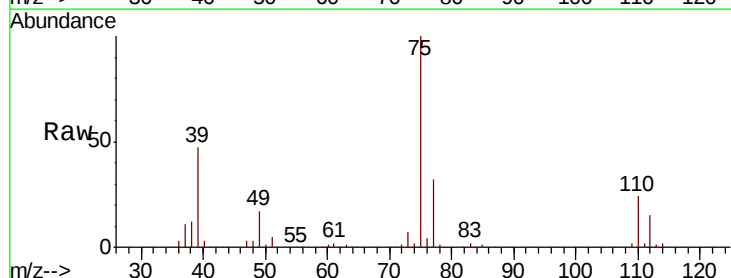
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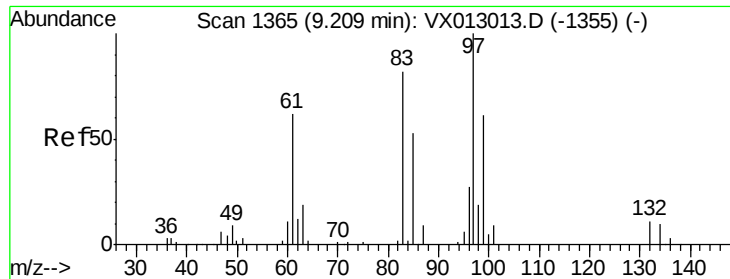
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#54
cis-1,3-Dichloropropene
Concen: 53.617 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion: 75 Resp: 158234
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.8
39 47.4 38.2 57.2





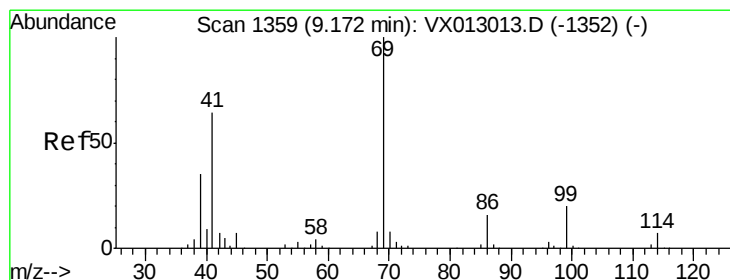
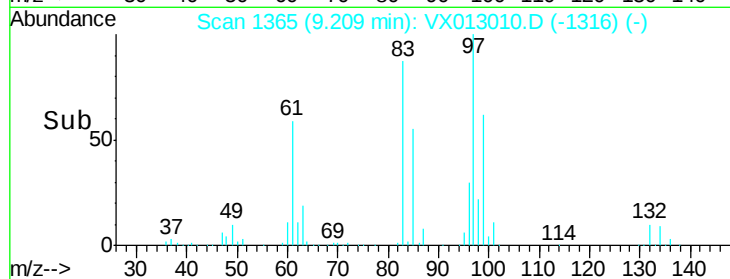
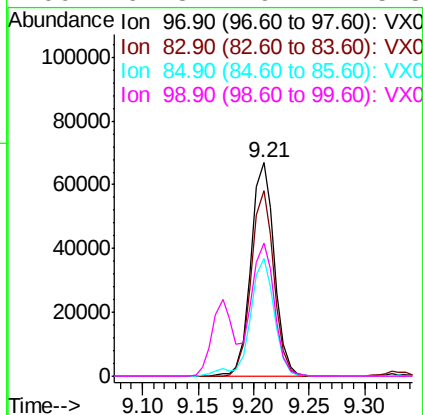
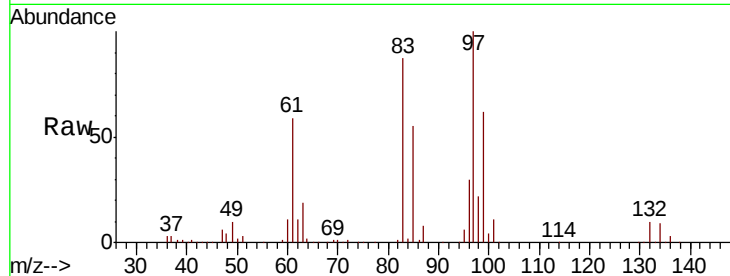
#55
 1,1,2-Trichloroethane
 Concen: 53.462 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	98010
Ion	Ratio	Lower	Upper
97	100		
83	86.6	66.5	99.7
85	55.4	43.1	64.7
99	62.3	49.2	73.8

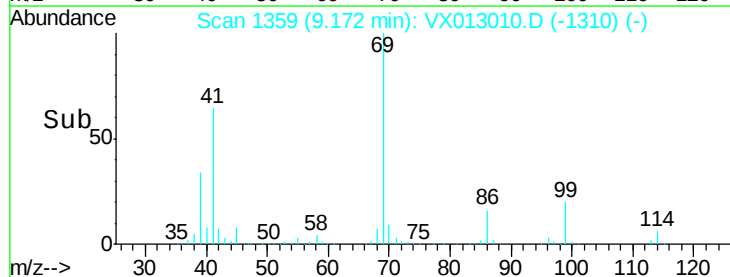
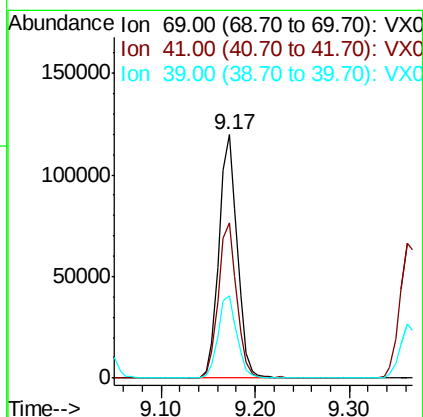
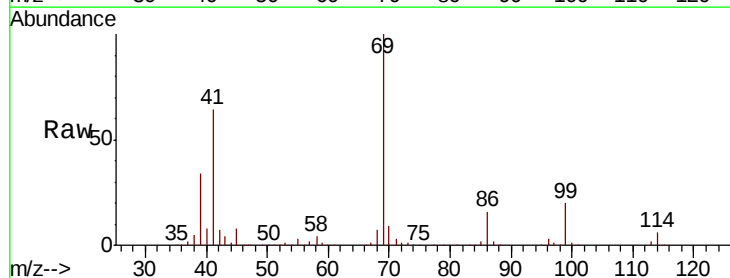
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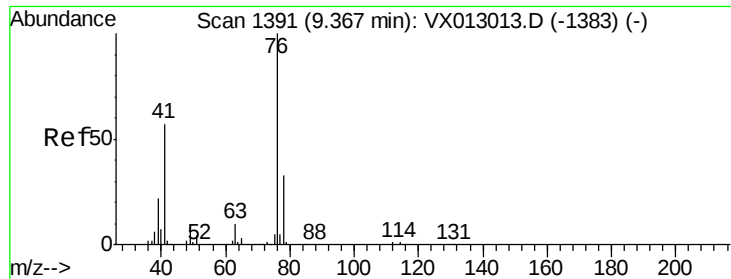
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#56
 Ethyl methacrylate
 Concen: 49.289 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Tgt Ion:	69	Resp:	161717
Ion	Ratio	Lower	Upper
69	100		
41	64.0	52.1	78.1
39	34.7	27.8	41.8





#57

1,3-Dichloropropane

Concen: 52.548 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 166641

Ion Ratio Lower Upper

76 100

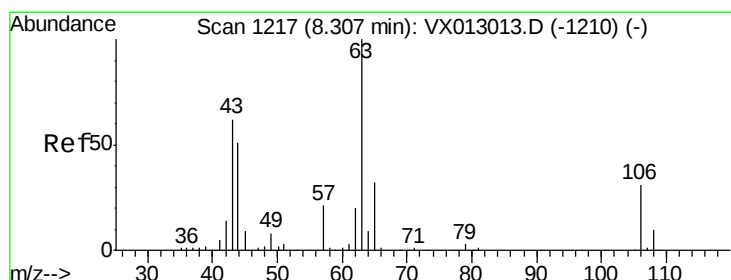
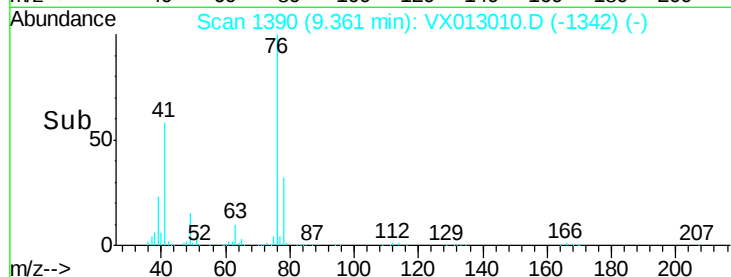
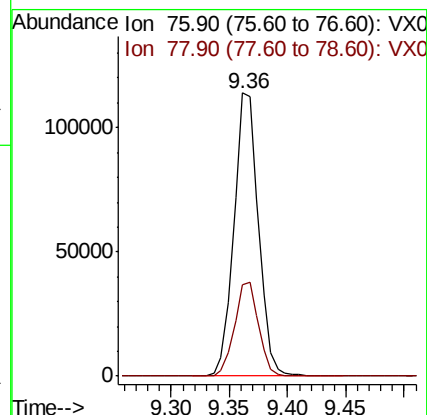
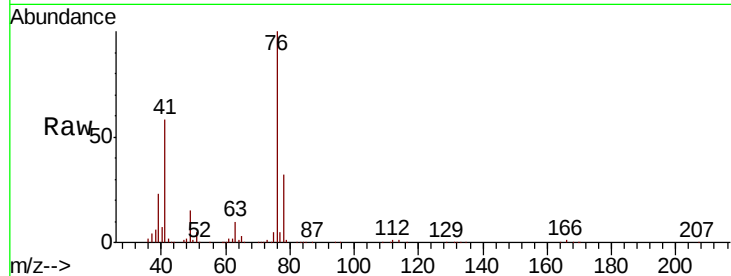
78 32.8 26.1 39.1

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#58

2-Chloroethyl Vinyl ether

Concen: 272.520 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013010.D

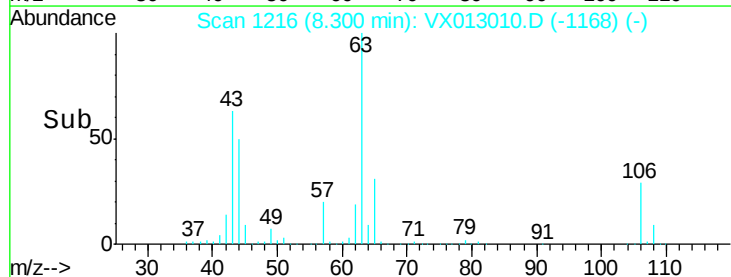
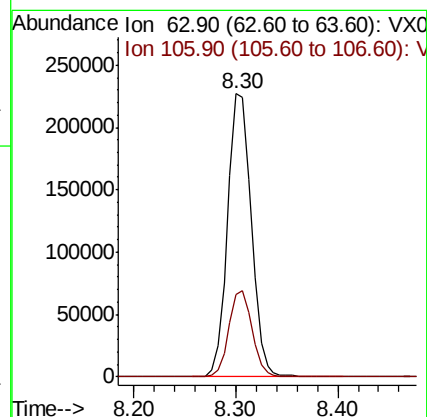
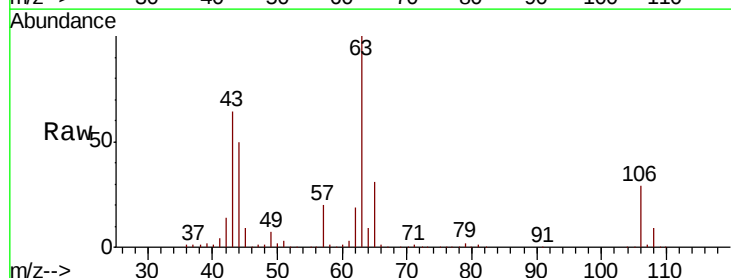
Acq: 11 Oct 2019 12:38

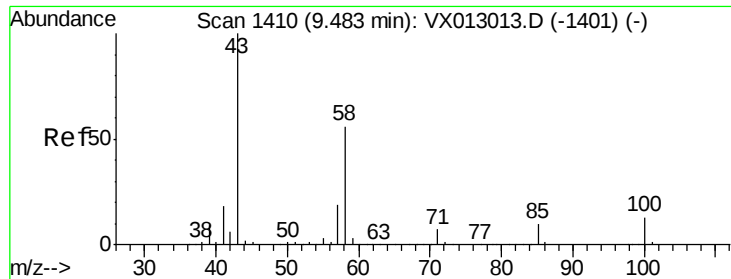
Tgt Ion: 63 Resp: 367015

Ion Ratio Lower Upper

63 100

106 29.7 23.8 35.8





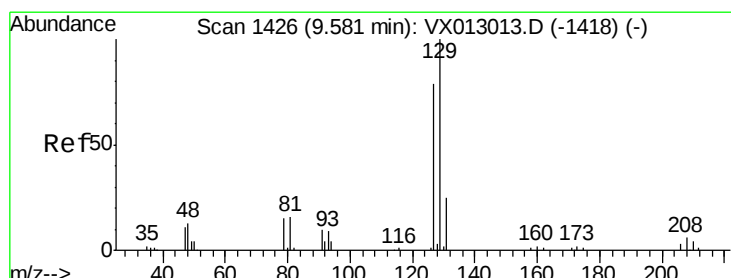
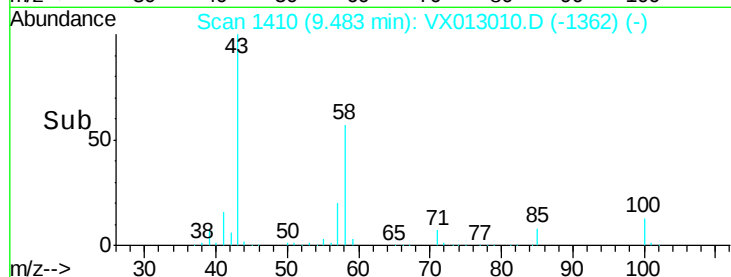
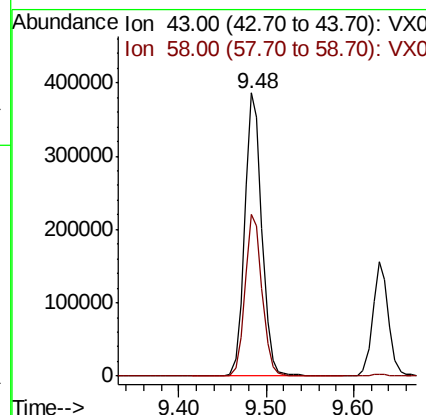
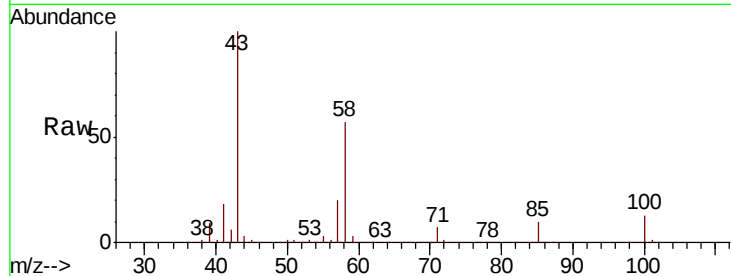
#59
2-Hexanone
Concen: 247.250 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 528002
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3

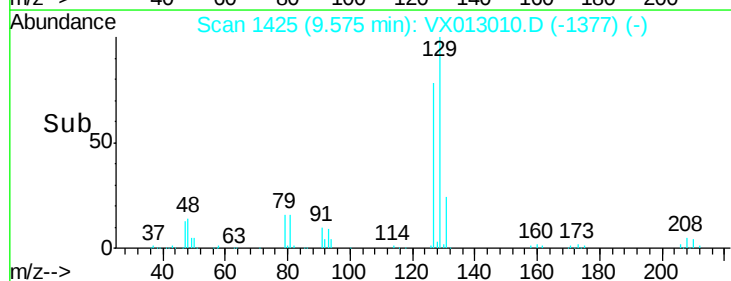
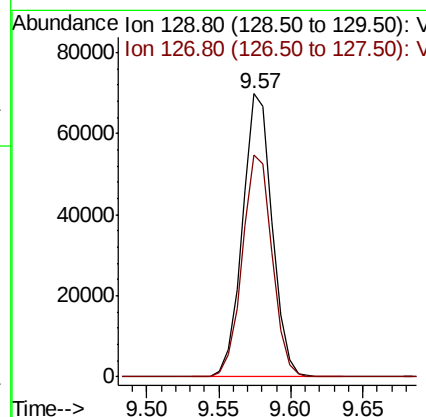
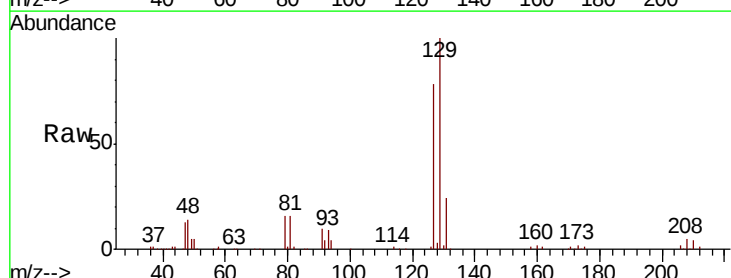
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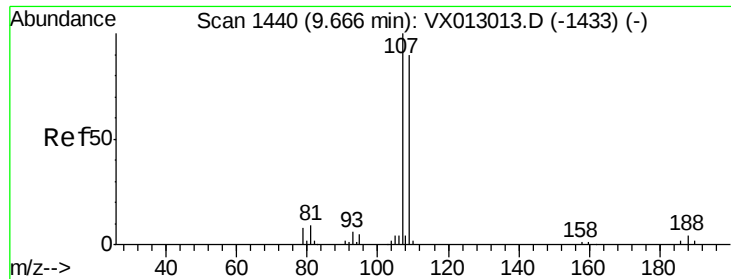
MMDadoda
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#60
Dibromochloromethane
Concen: 48.596 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion: 129 Resp: 99030
Ion Ratio Lower Upper
129 100
127 79.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 53.313 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 102814

Ion Ratio Lower Upper

107 100

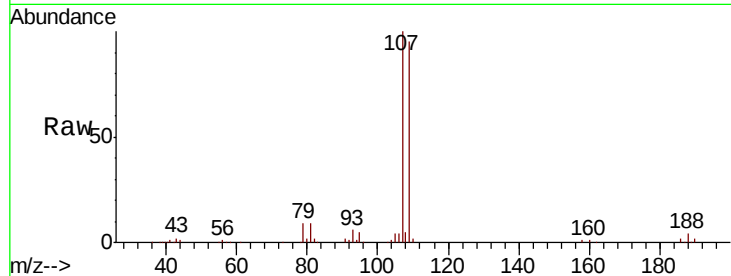
109 94.1 75.8 113.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

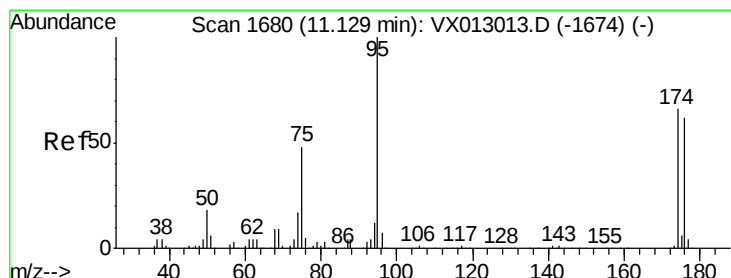
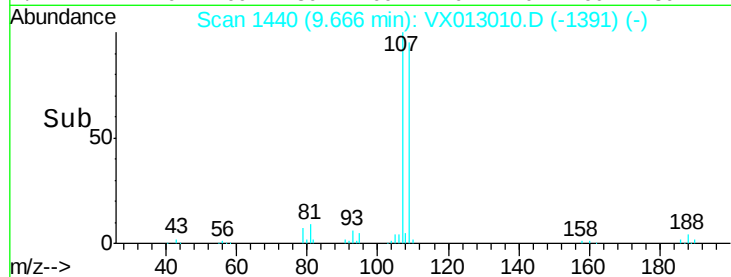
40000

20000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 50.393 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

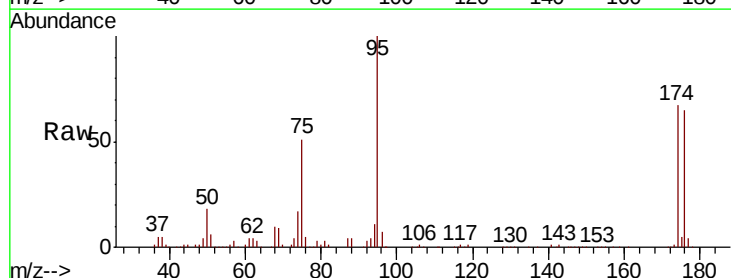
Tgt Ion: 95 Resp: 122222

Ion Ratio Lower Upper

95 100

174 71.9 0.0 143.4

176 70.0 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

120000

100000

80000

60000

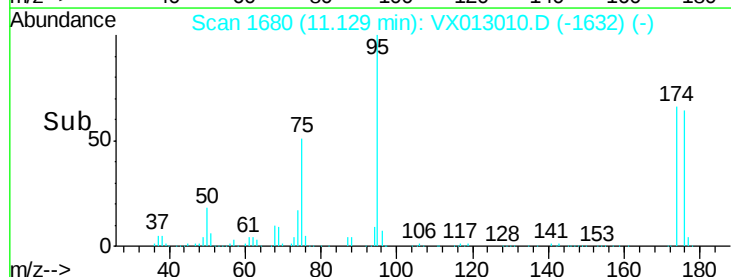
40000

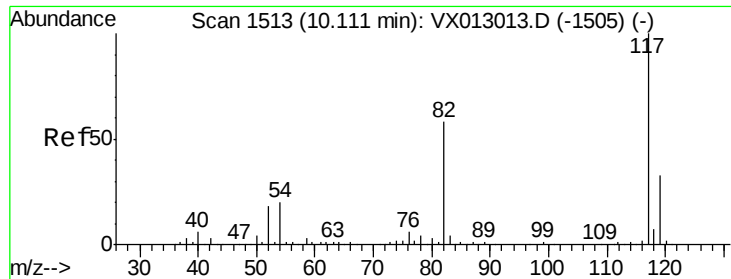
20000

0

Time-->

11.10 11.20





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

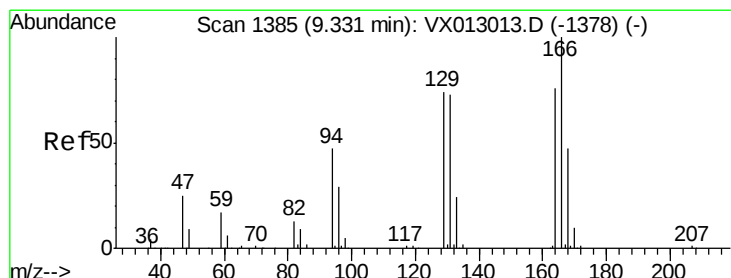
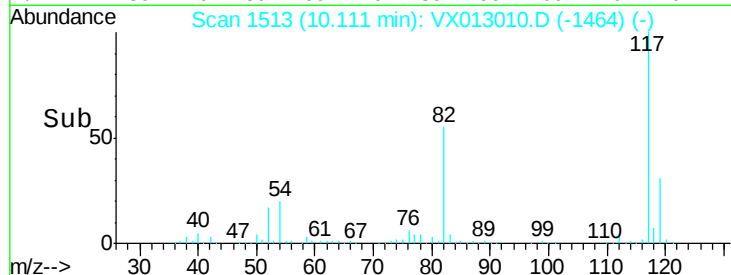
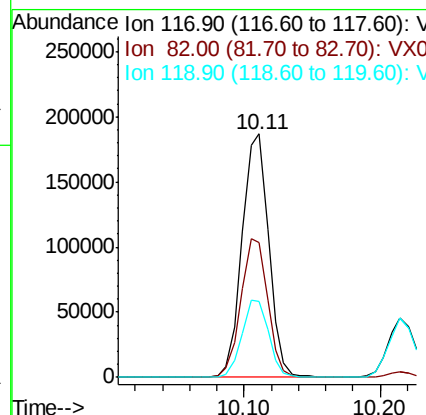
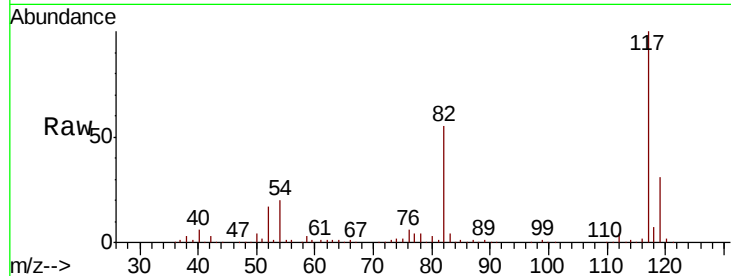
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	255942
Ion Ratio	Lower	Upper	
117	100		
82	55.5	44.1	66.1
119	31.3	25.8	38.8

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#64

Tetrachloroethene

Concen: 51.607 ug/l

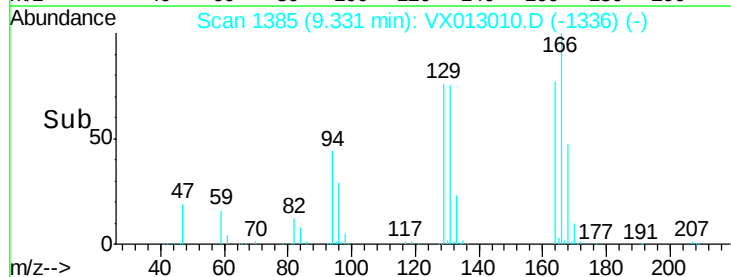
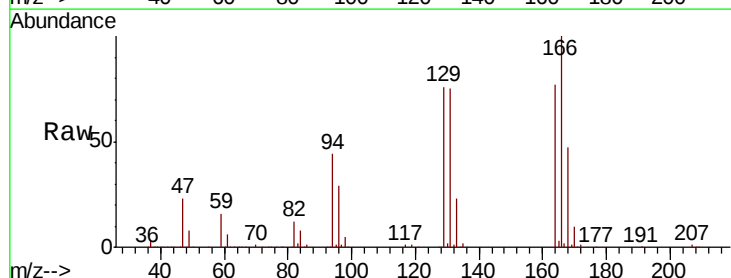
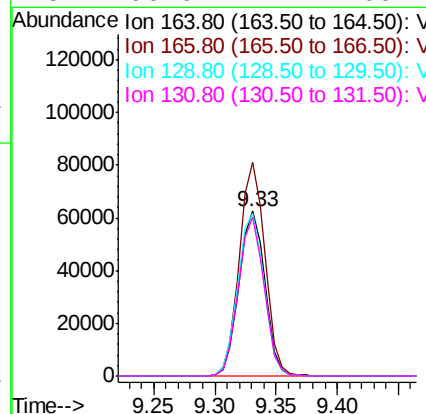
RT: 9.33 min Scan# 1385

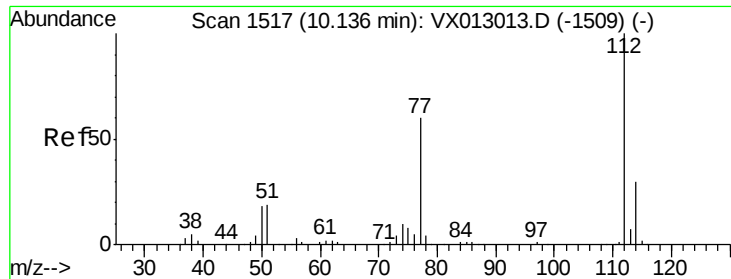
Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Tgt Ion:	164	Resp:	91614
Ion Ratio	Lower	Upper	
164	100		
166	129.5	96.9	145.3
129	98.3	77.9	116.9
131	96.6	72.7	109.1





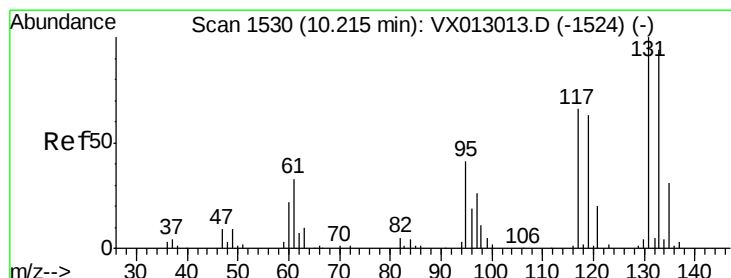
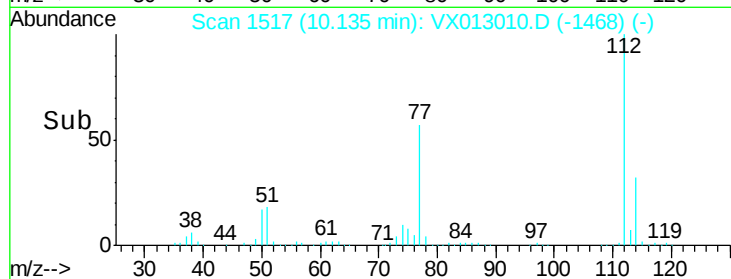
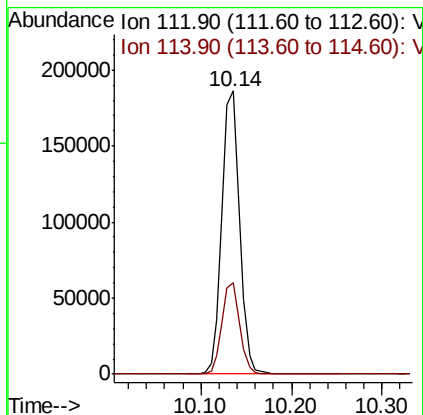
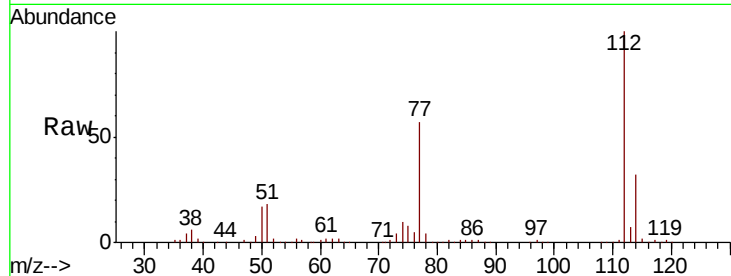
#65
Chlorobenzene
Concen: 50.389 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 256109
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5

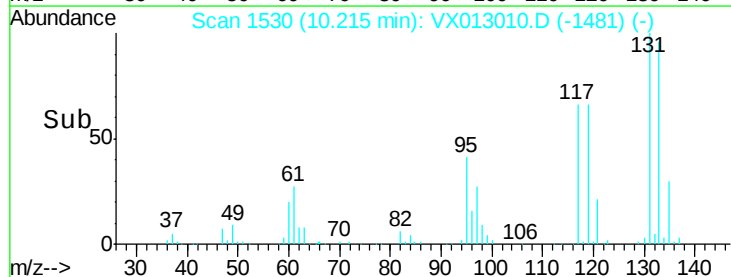
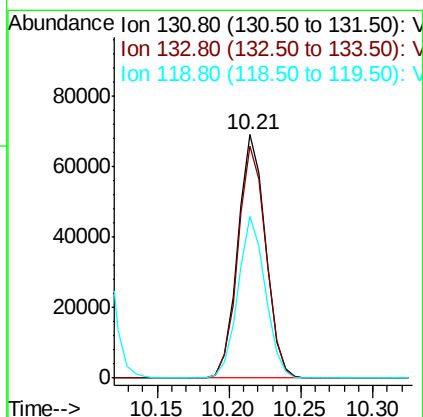
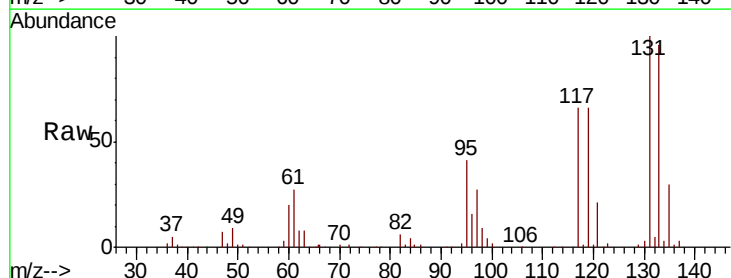
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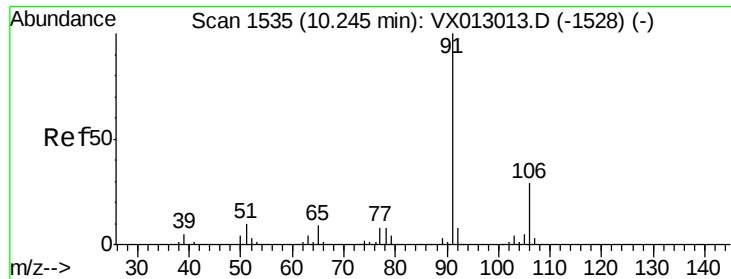
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.503 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion:131 Resp: 92524
Ion Ratio Lower Upper
131 100
133 96.1 47.2 141.6
119 65.6 32.6 98.0





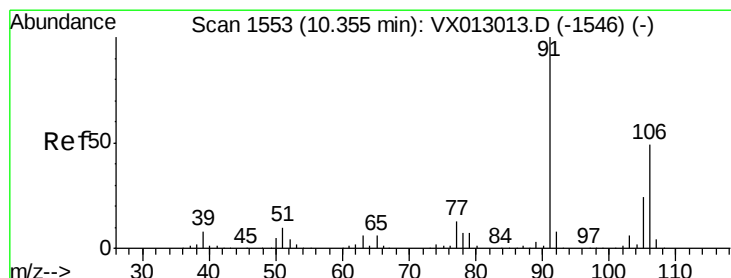
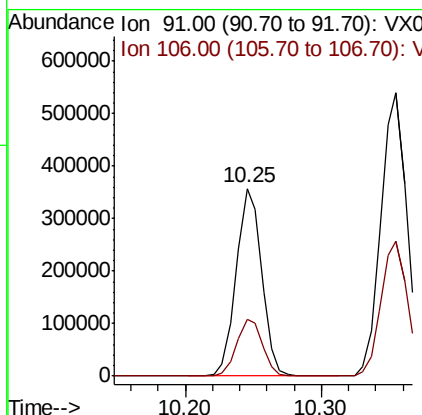
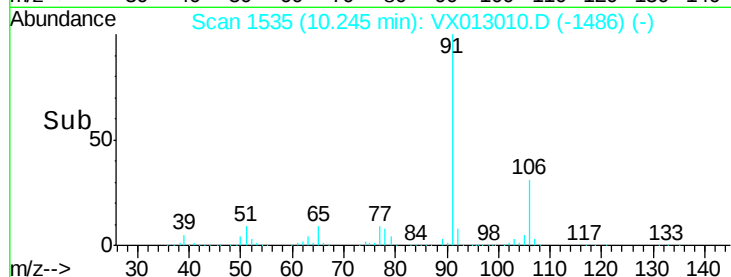
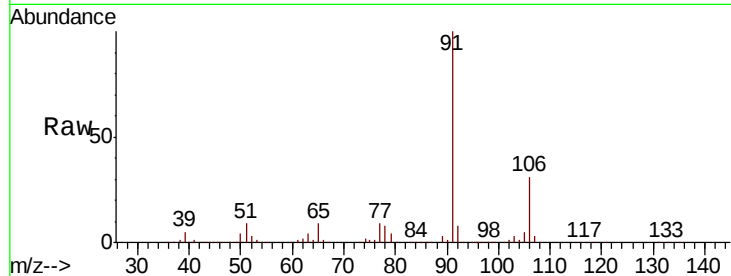
#67
Ethyl Benzene
Concen: 51.581 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 465678
Ion Ratio Lower Upper
91 100
106 30.6 23.9 35.9

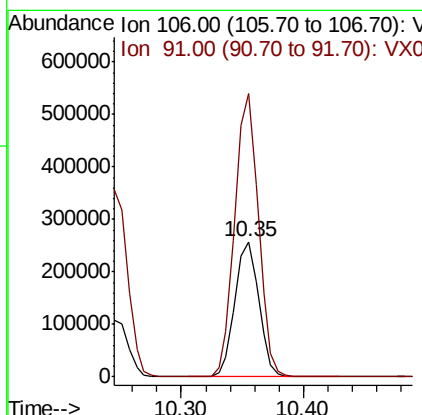
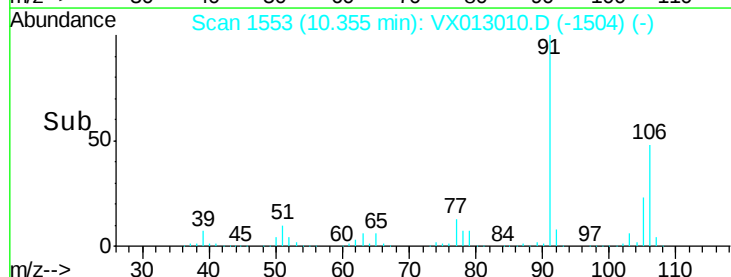
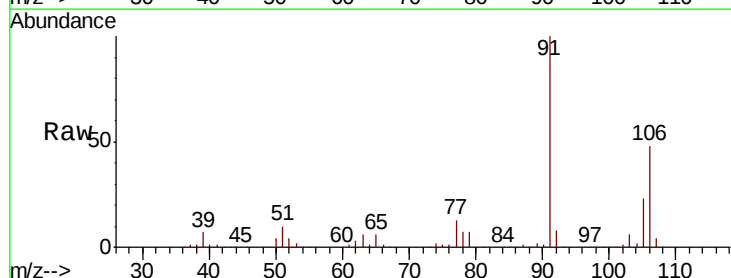
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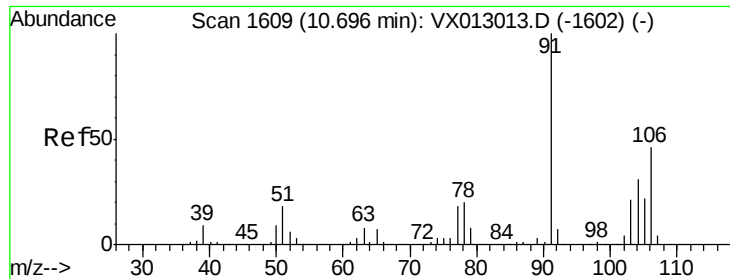
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#68
m/p-Xylenes
Concen: 103.390 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion: 106 Resp: 348709
Ion Ratio Lower Upper
106 100
91 207.1 165.3 247.9





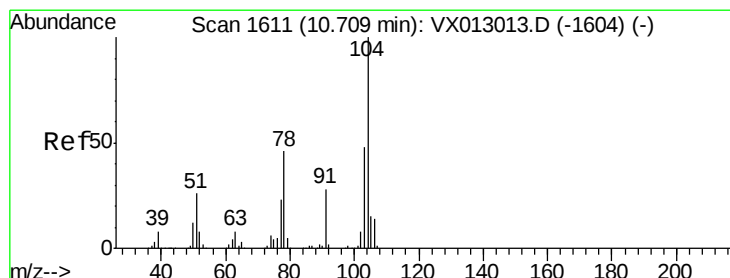
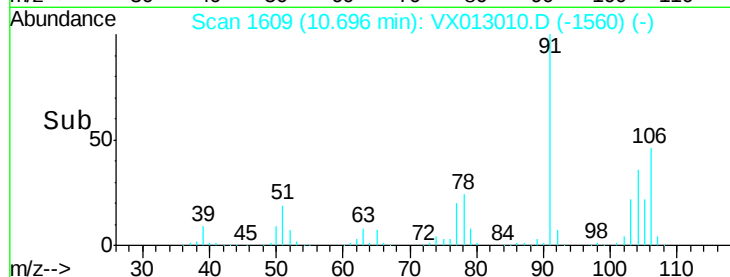
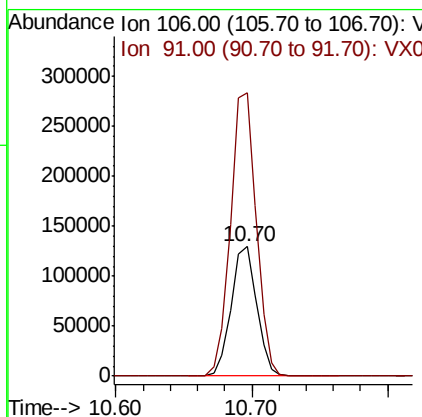
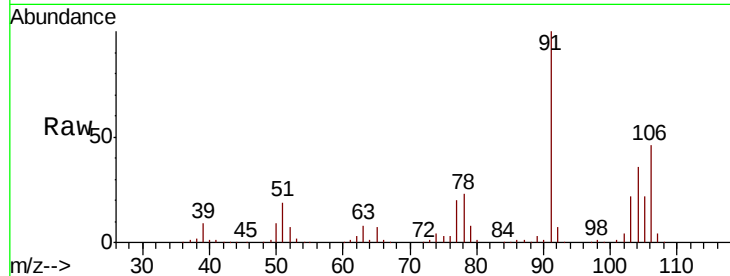
#69
o-Xylene
Concen: 51.719 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.1	109.1	327.3

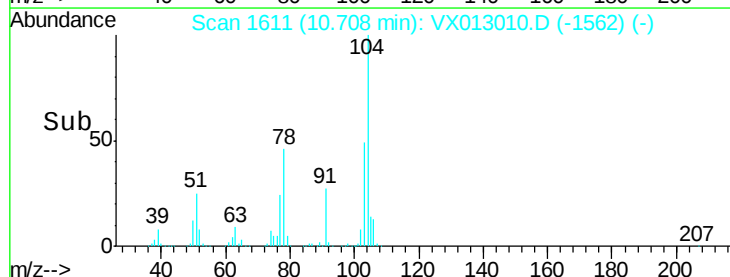
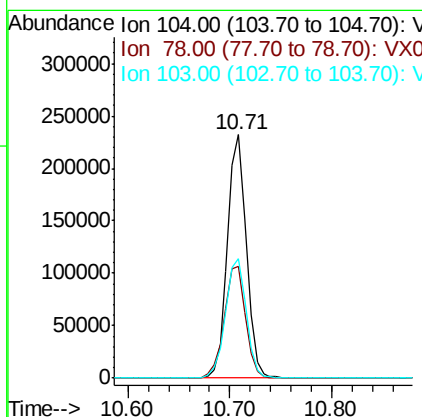
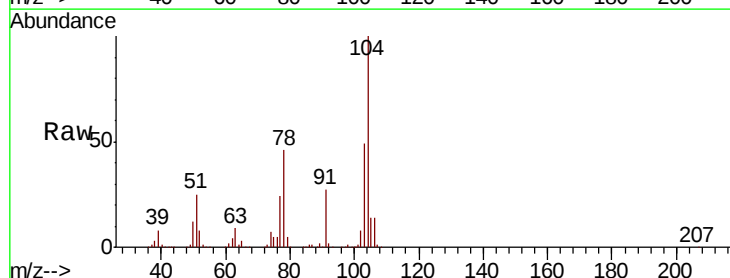
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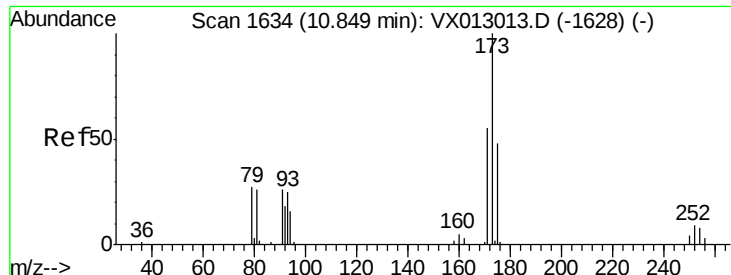
MMDadoda
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#70
Styrene
Concen: 53.317 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.2	61.8
103	53.9	43.0	64.4





#71

Bromoform

Concen: 46.150 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 68897

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.3

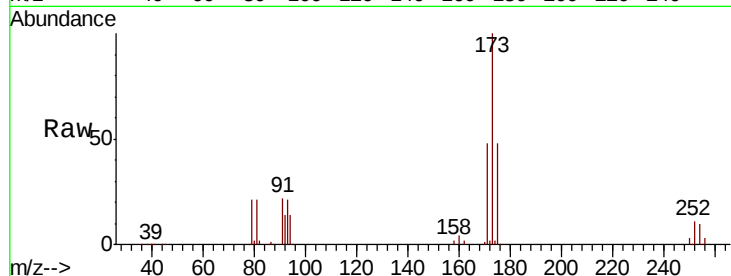
254 0.1 0.1 0.1#

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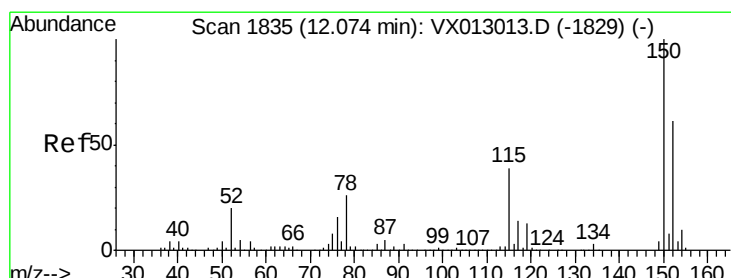
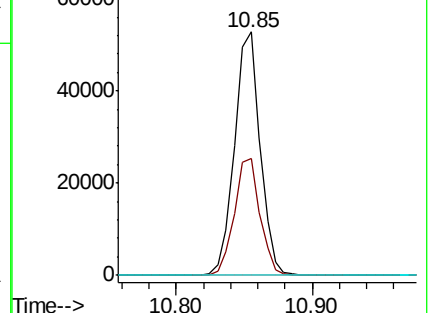
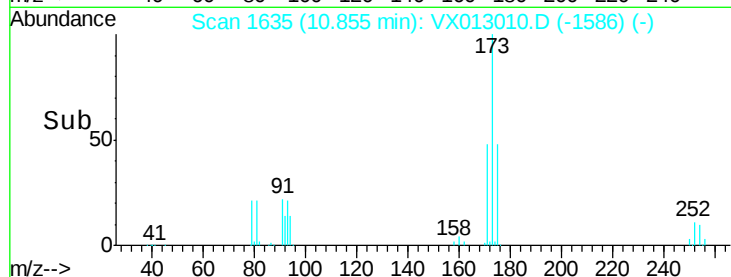
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX013010.D

Acq: 11 Oct 2019 12:38

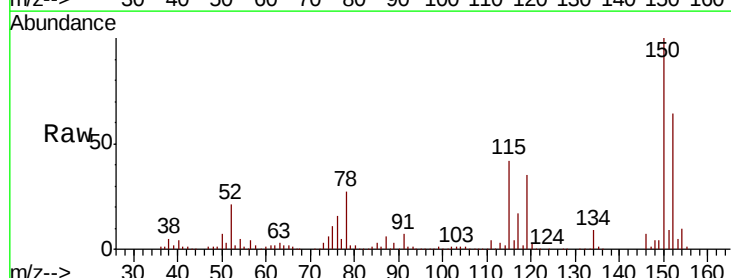
Tgt Ion:152 Resp: 122107

Ion Ratio Lower Upper

152 100

115 88.6 44.5 133.5

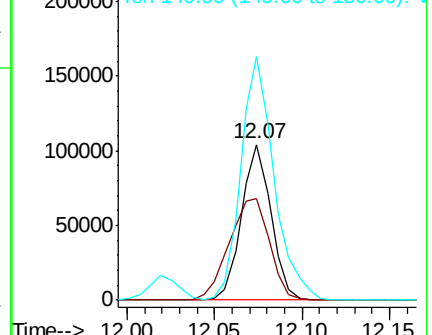
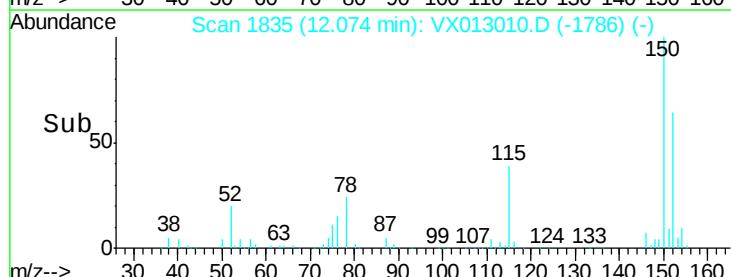
150 176.1 0.0 353.4

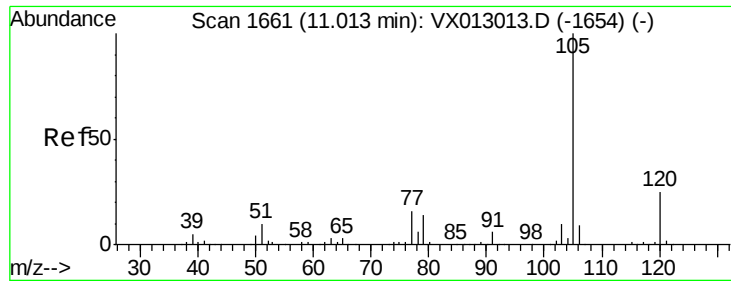


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.109 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 458837

Ion Ratio Lower Upper

105 100

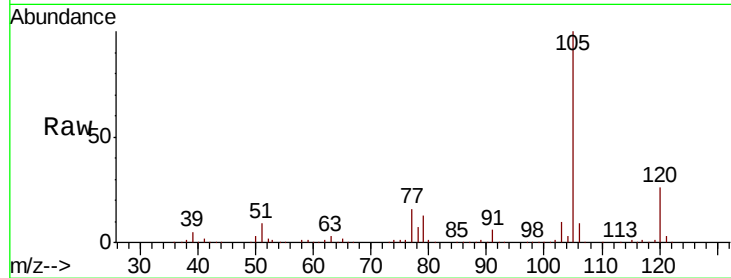
120 25.9 13.0 39.0

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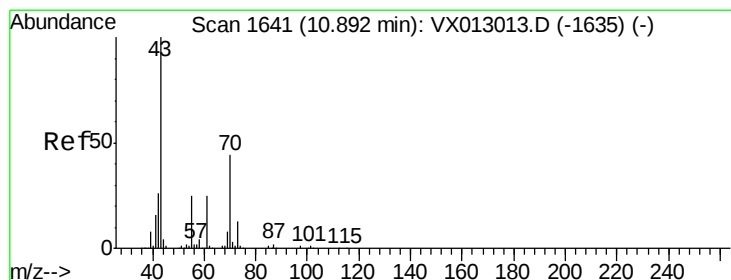
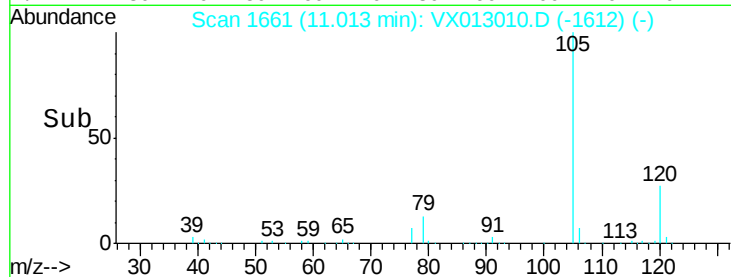
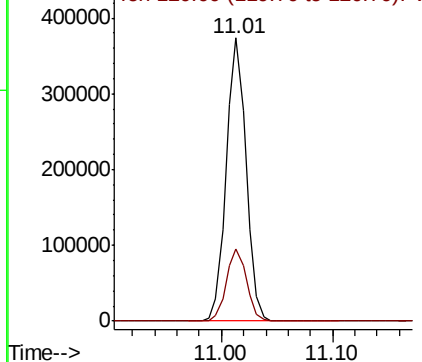
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.260 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Tgt Ion: 43 Resp: 198192

Ion Ratio Lower Upper

43 100

70 44.9 36.4 54.6

55 24.5 20.2 30.2

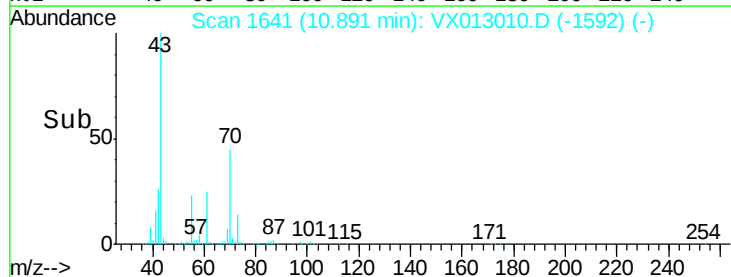
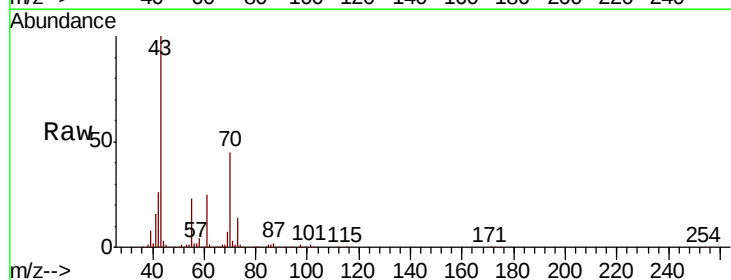
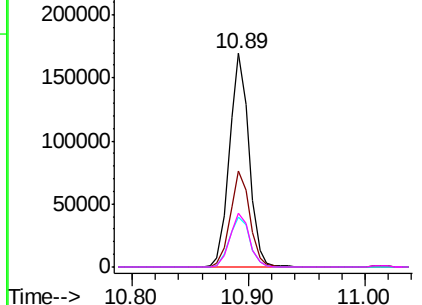
61 25.0 20.5 30.7

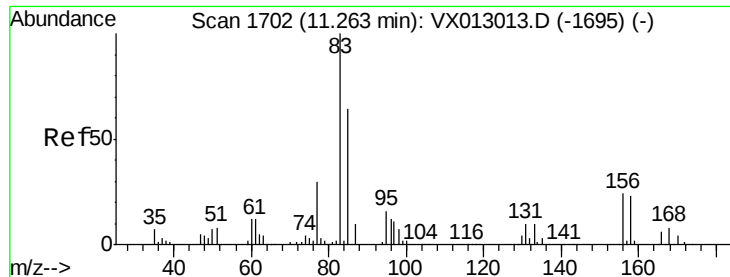
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 49.487 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

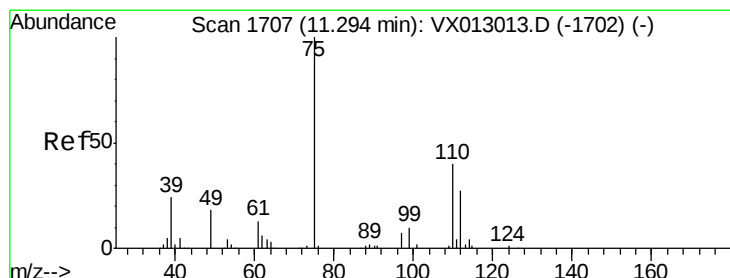
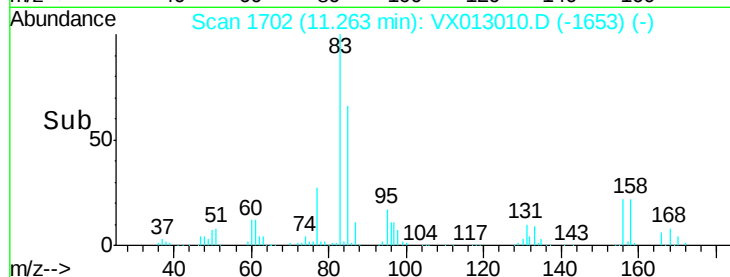
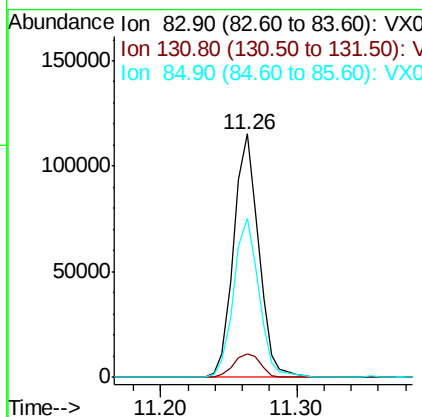
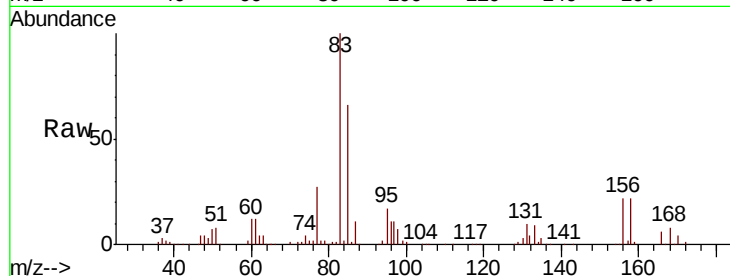
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	147765
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.3
85	66.2	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 46.239 ug/l m

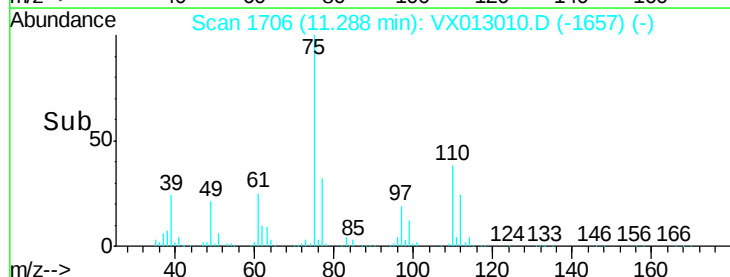
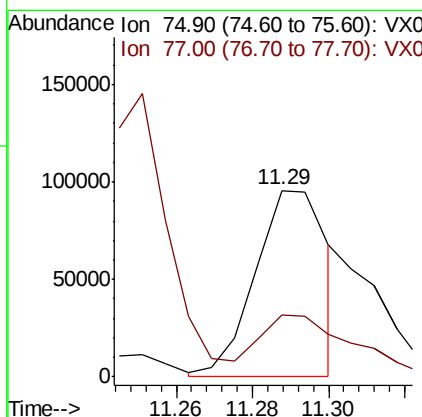
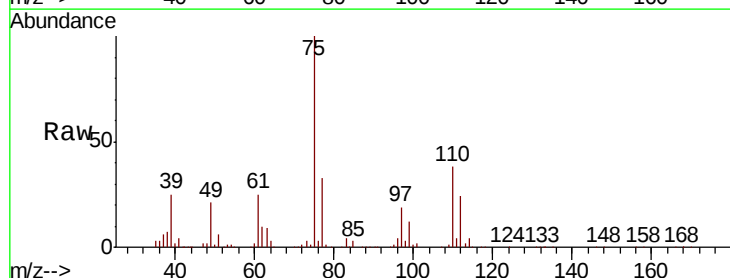
RT: 11.29 min Scan# 1706

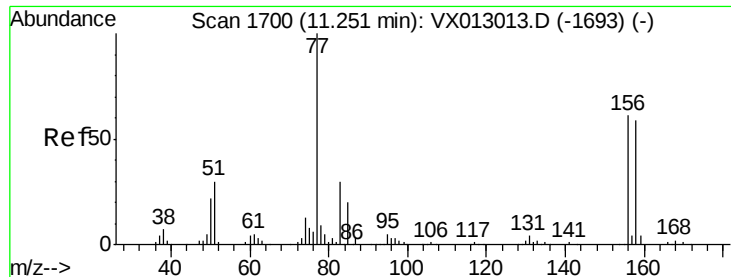
Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Tgt Ion:	75	Resp:	125230
Ion Ratio	Lower	Upper	
75	100		
77	43.0	22.9	68.8





#77

Bromobenzene

Concen: 49.536 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

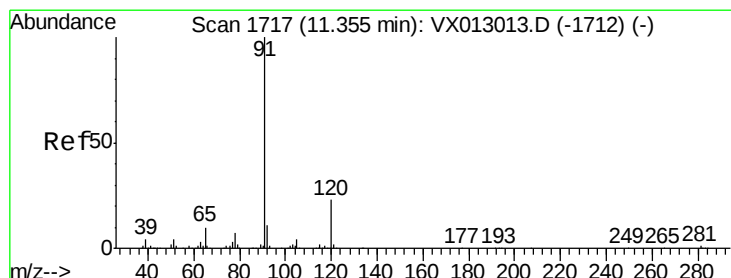
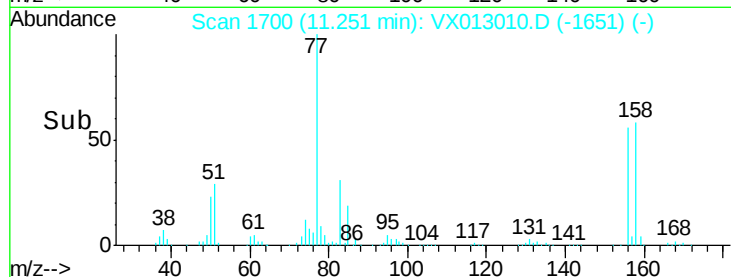
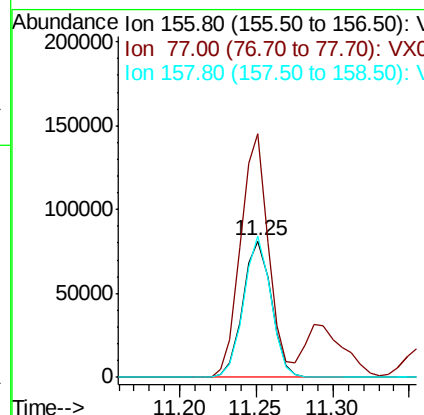
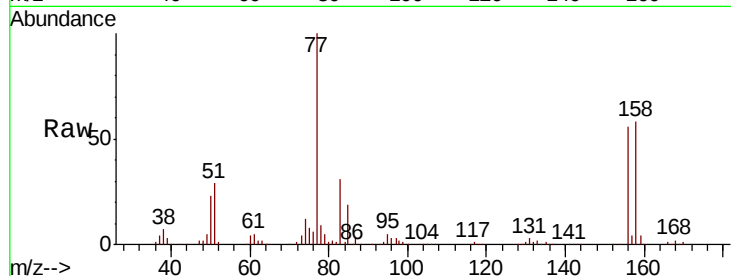
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.8	83.7	251.0
158	99.0	48.6	145.9

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#78

n-propylbenzene

Concen: 52.118 ug/l

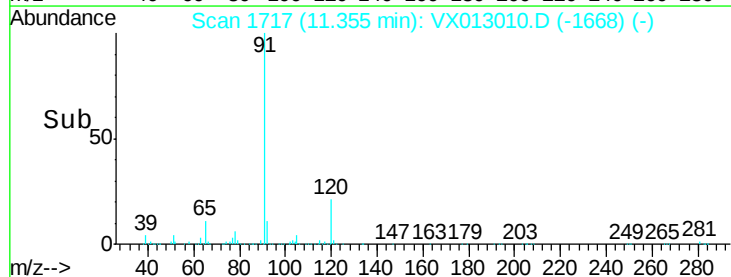
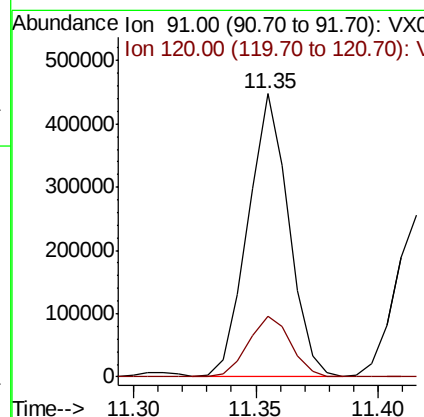
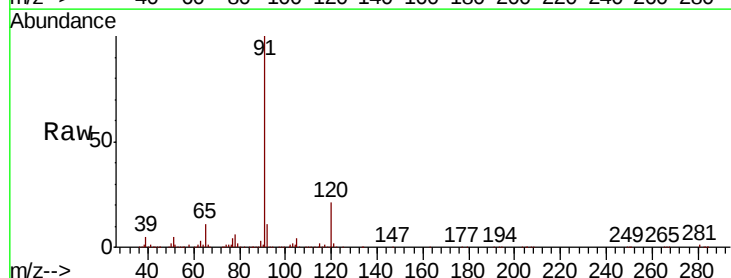
RT: 11.35 min Scan# 1717

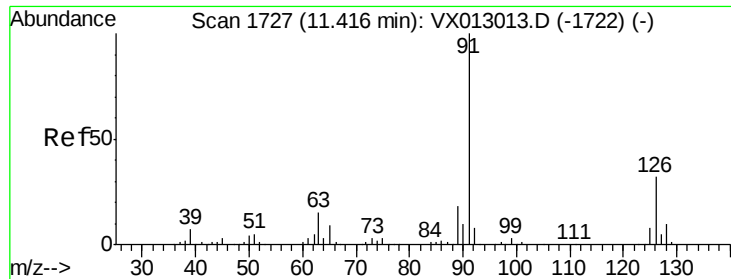
Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.7	35.1





#79

2-Chlorotoluene

Concen: 50.707 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 314811

Ion Ratio Lower Upper

91 100

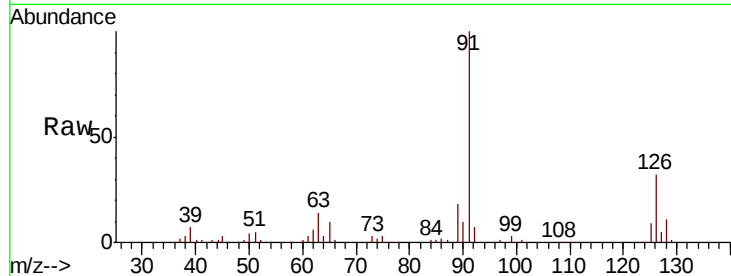
126 32.5 16.3 48.8

Manual Integrations

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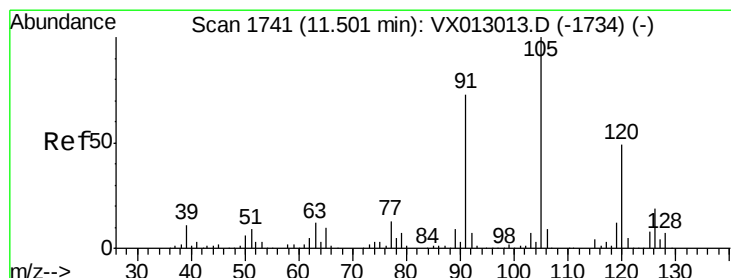
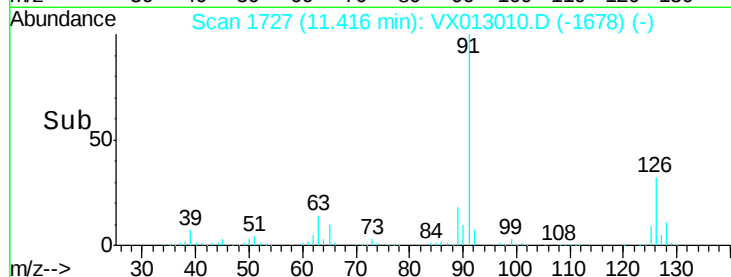
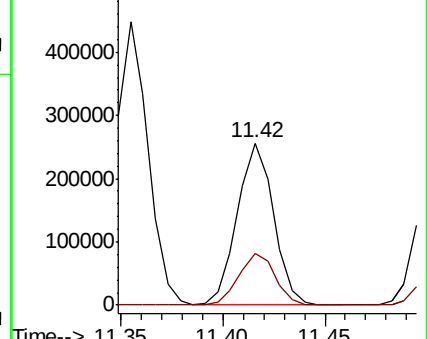
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Abundance Ion 91.00 (90.70 to 91.70): VX013010.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX013010.D (-1722) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.168 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013010.D

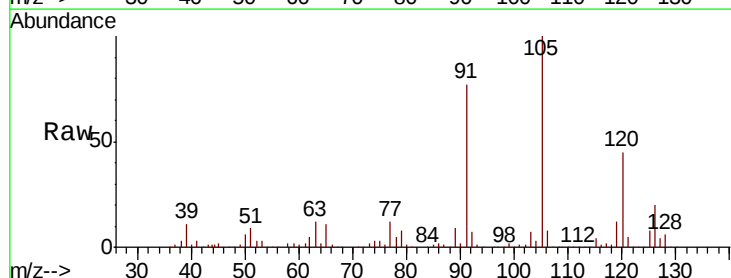
Acq: 11 Oct 2019 12:38

Tgt Ion: 105 Resp: 383571

Ion Ratio Lower Upper

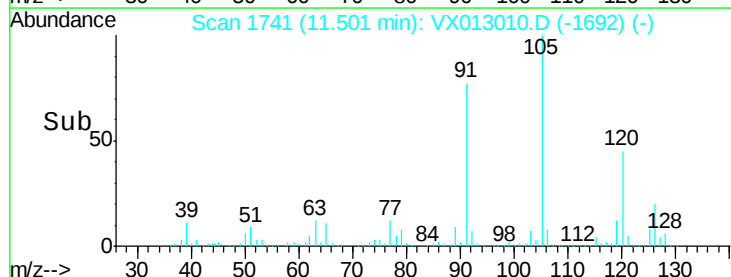
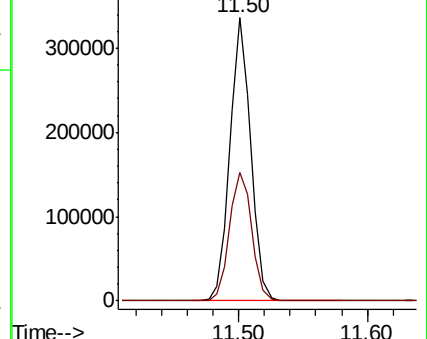
105 100

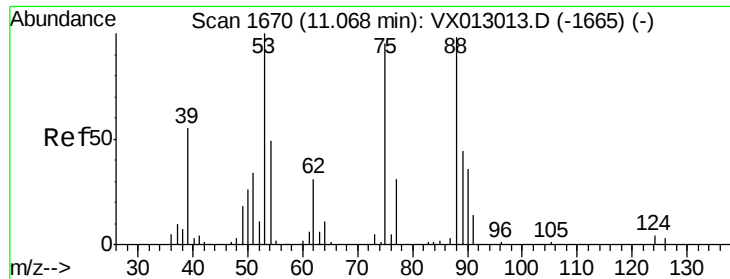
120 48.7 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VX013010.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX013010.D (-1692) (-)





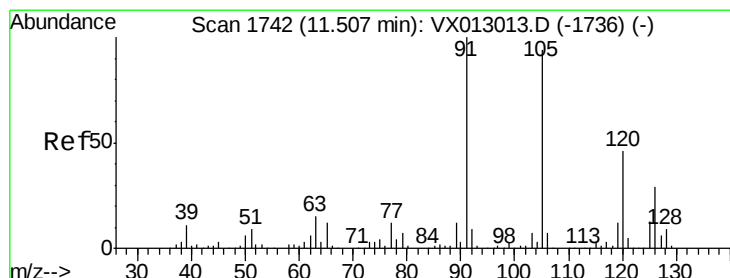
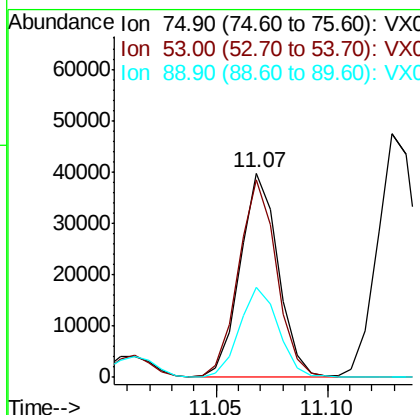
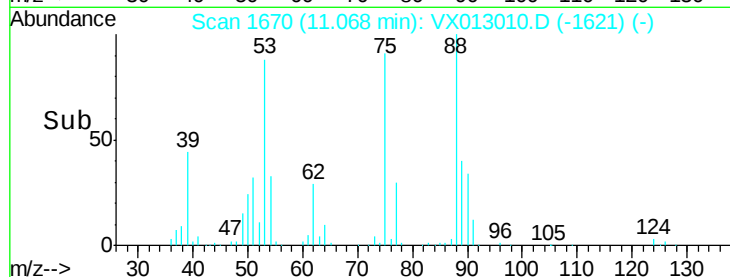
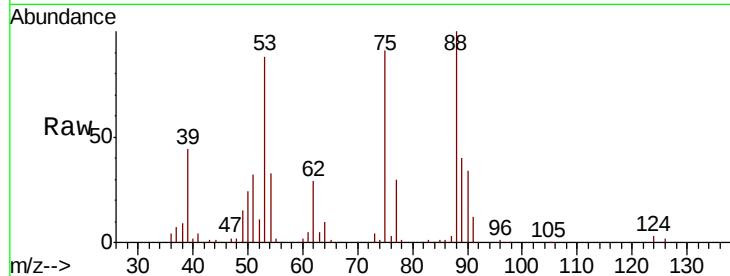
#81
trans-1,4-Dichloro-2-butene
Concen: 45.628 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 47646
Ion Ratio Lower Upper
75 100
53 97.0 78.5 117.7
89 45.0 37.4 56.2

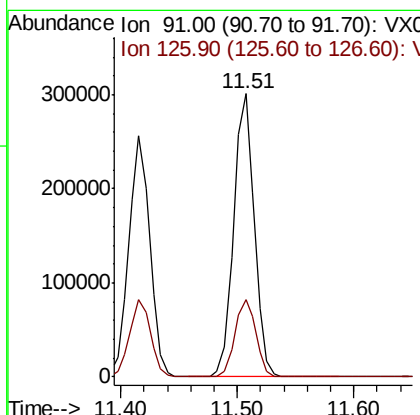
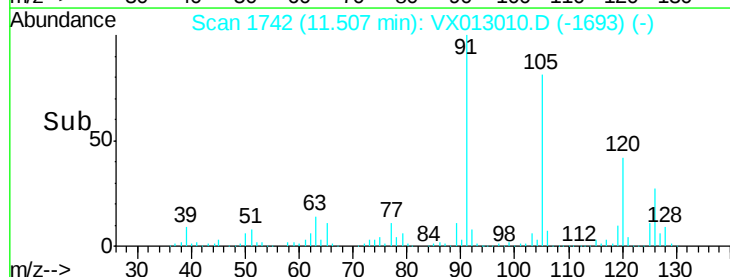
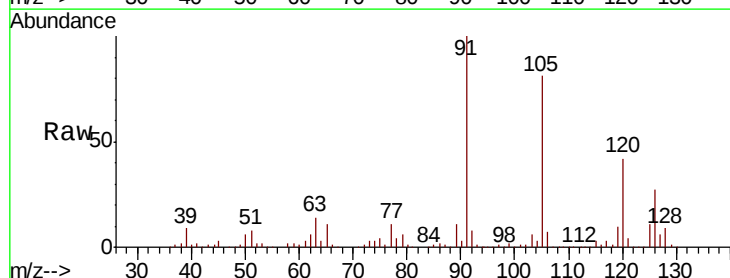
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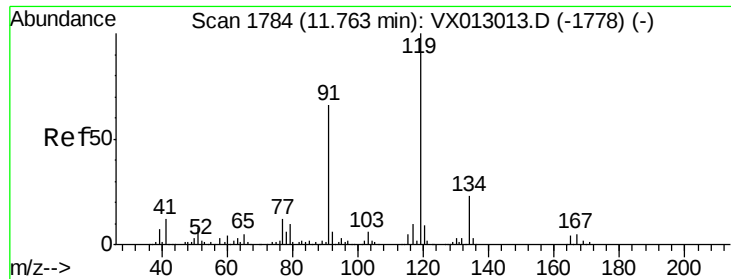
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#82
4-Chlorotoluene
Concen: 52.292 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion: 91 Resp: 372111
Ion Ratio Lower Upper
91 100
126 28.1 14.2 42.6





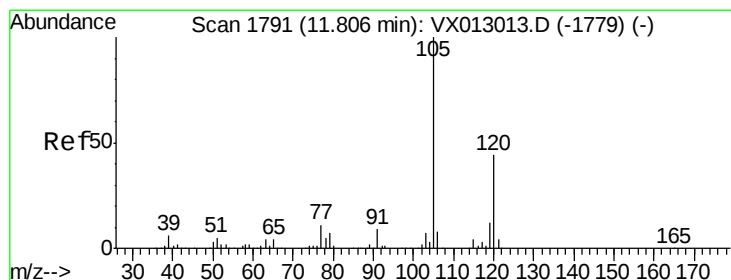
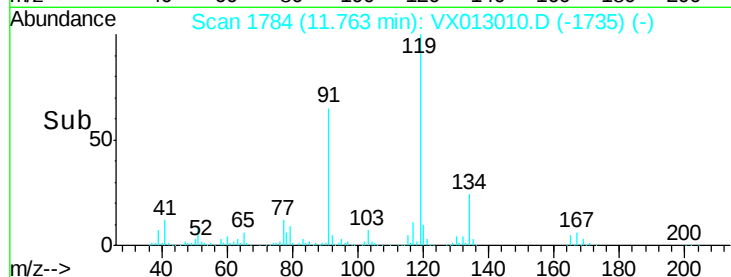
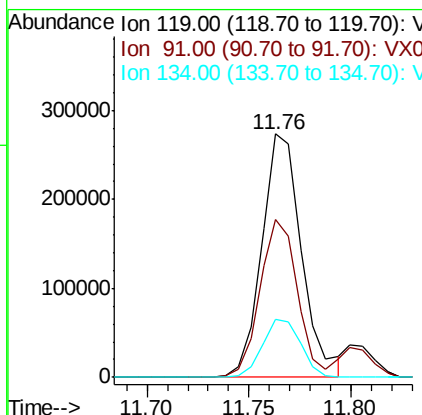
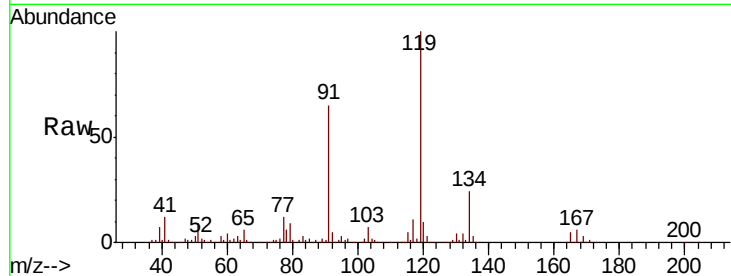
#83
tert-Butylbenzene
Concen: 50.913 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	29.3	87.9
134	23.2	11.5	34.4

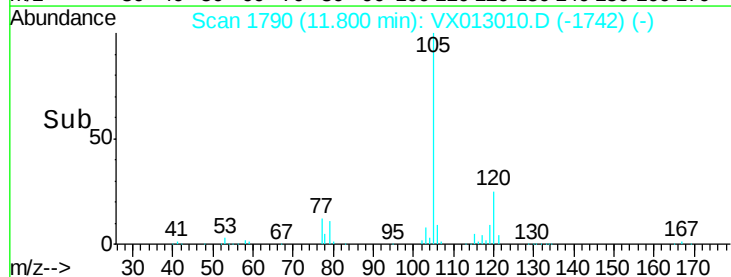
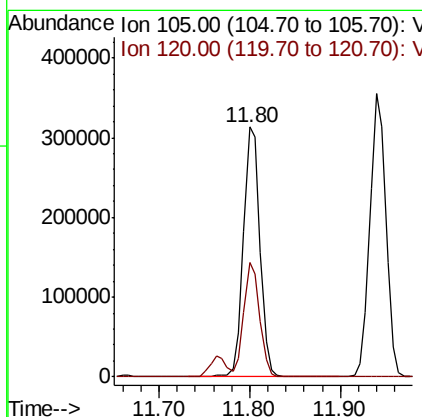
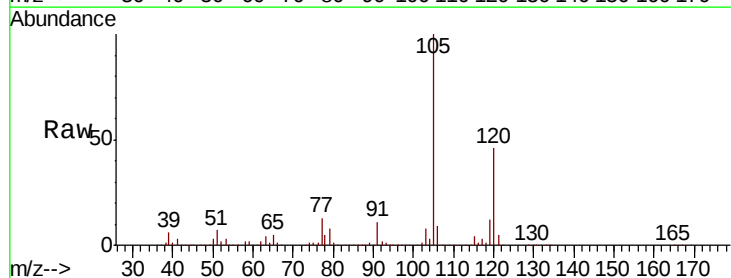
Manual Integrations
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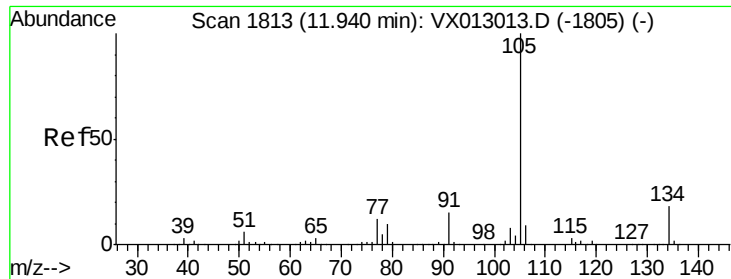
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 52.040 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.8	65.3





#85

sec-Butylbenzene

Concen: 51.513 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 436411

Ion Ratio Lower Upper

105 100

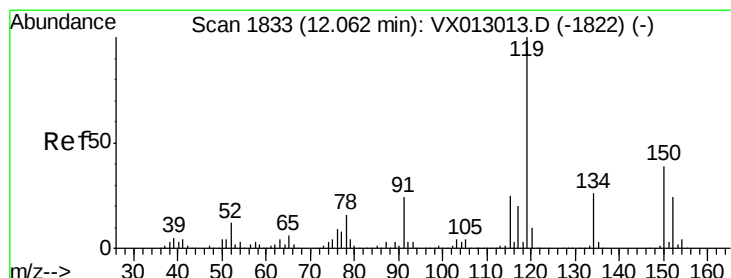
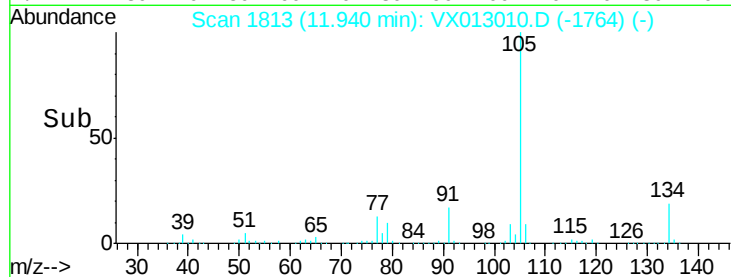
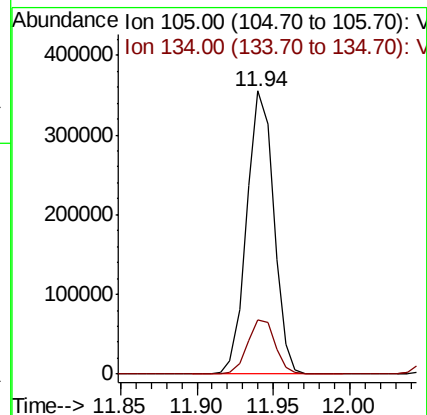
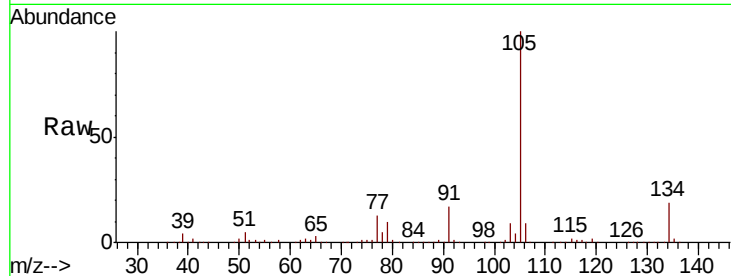
134 19.8 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 51.720 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

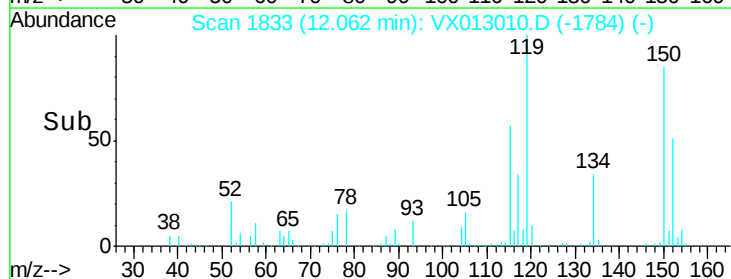
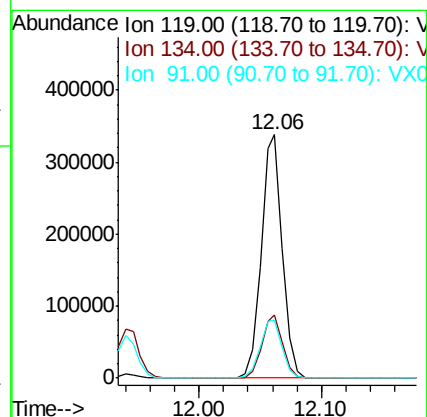
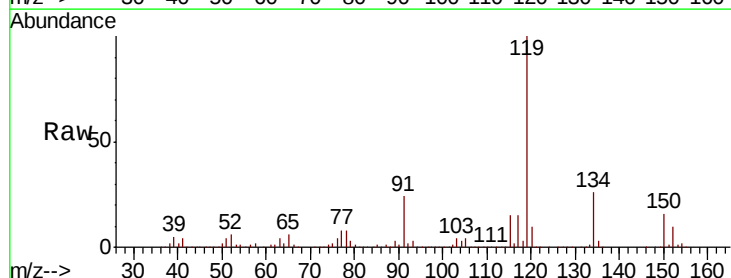
Tgt Ion:119 Resp: 406377

Ion Ratio Lower Upper

119 100

134 25.8 12.6 37.8

91 24.9 12.4 37.4





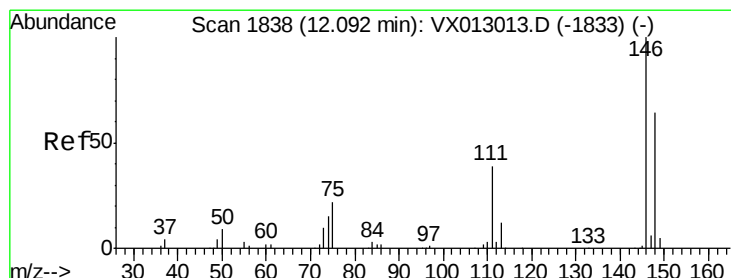
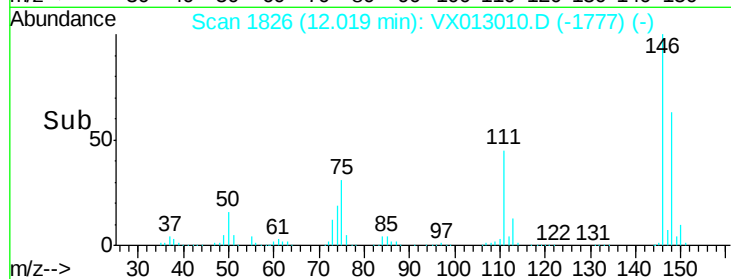
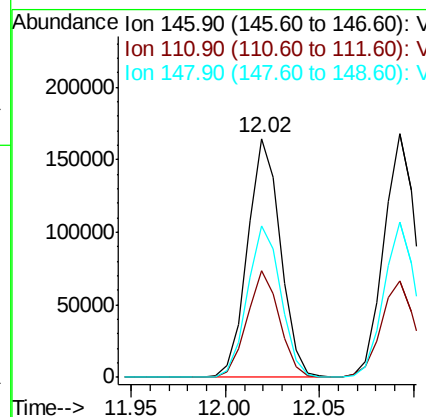
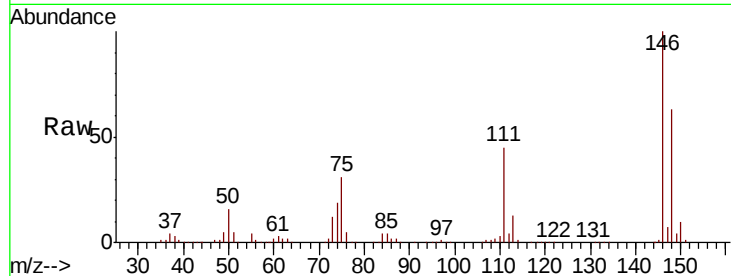
#87
 1,3-Dichlorobenzene
 Concen: 50.684 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.1	63.4
148	63.9	31.6	95.0

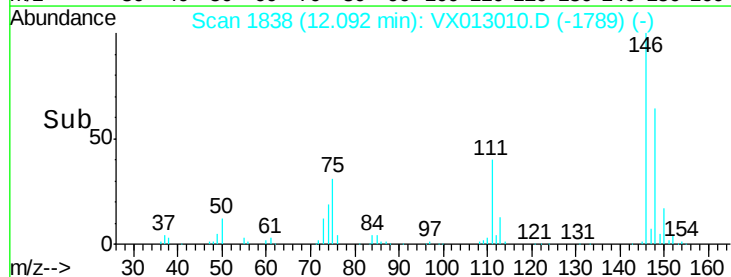
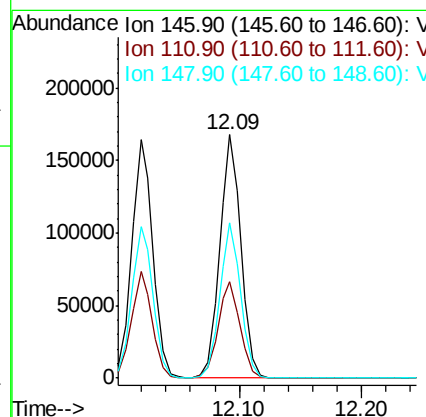
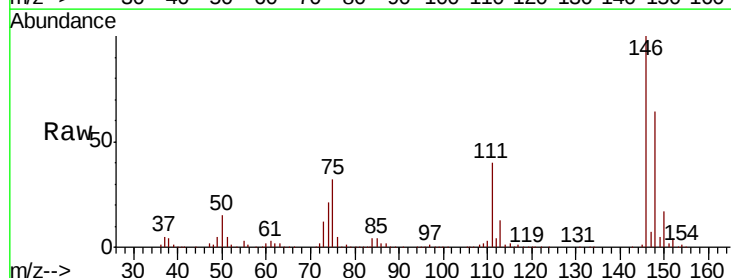
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#88
 1,4-Dichlorobenzene
 Concen: 50.773 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.4	64.3
148	63.1	32.1	96.5





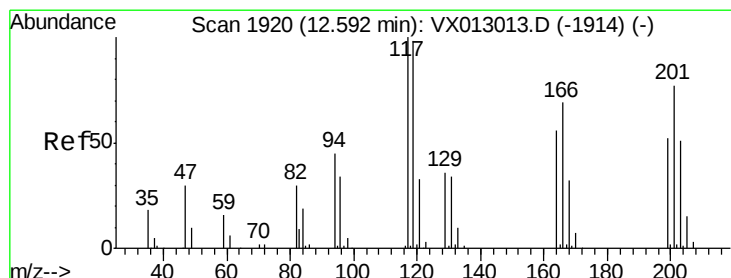
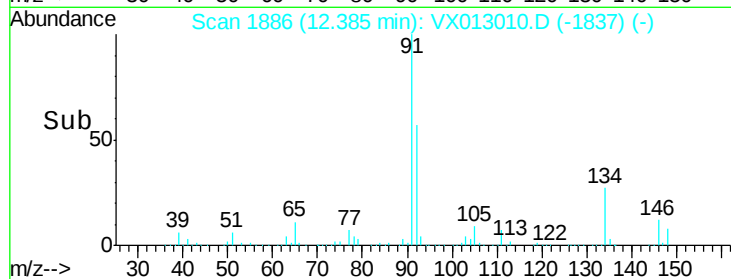
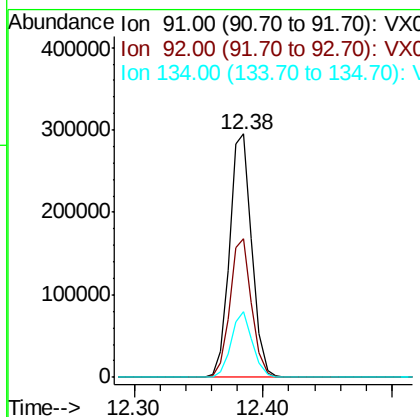
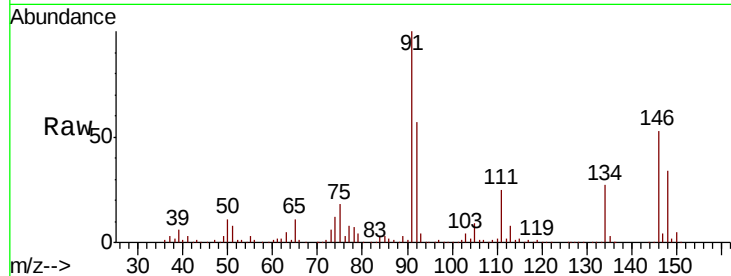
#89
n-Butylbenzene
Concen: 54.026 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.5	82.5
134	25.8	12.9	38.7

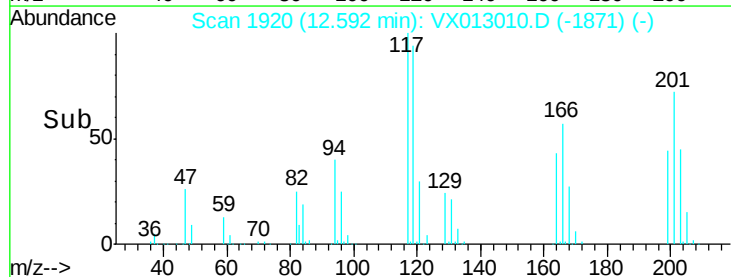
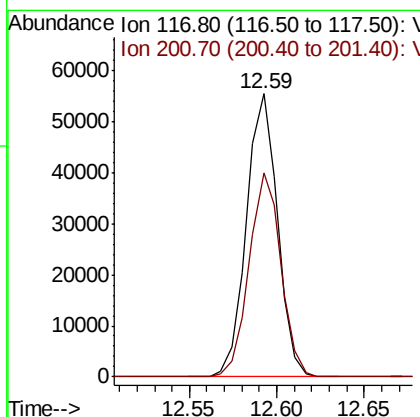
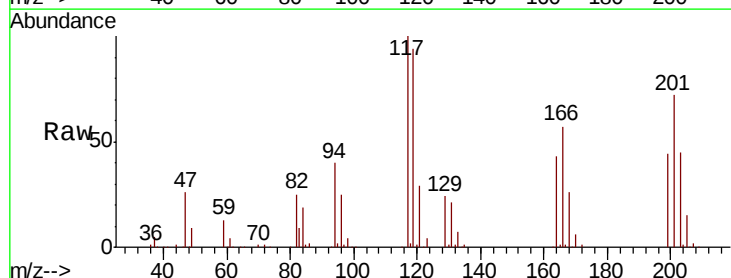
Manual Integrations
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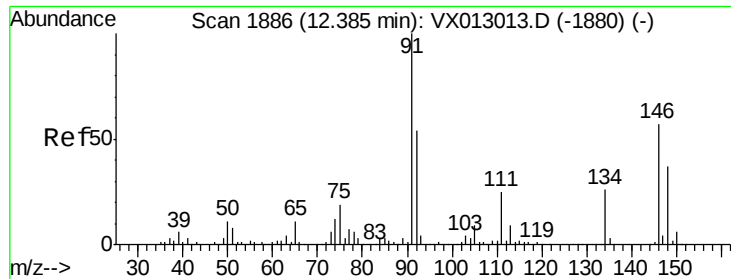
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#90
Hexachloroethane
Concen: 47.323 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013010.D
Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.8	36.9	110.7





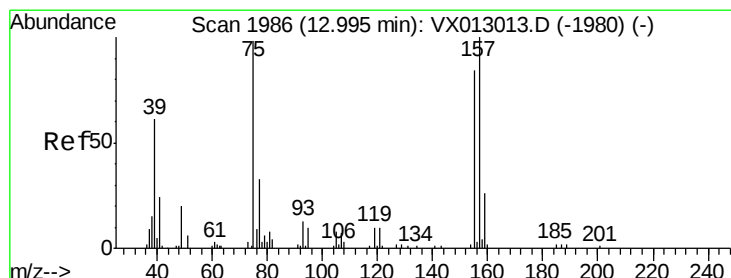
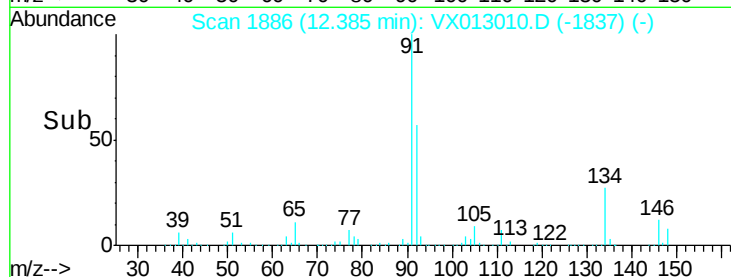
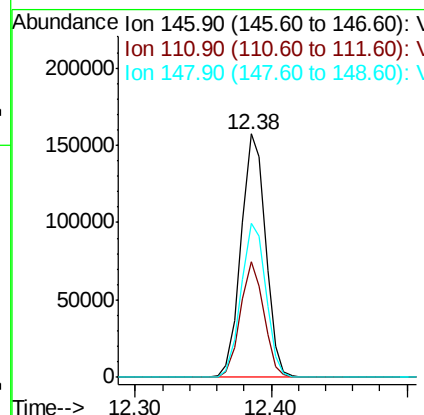
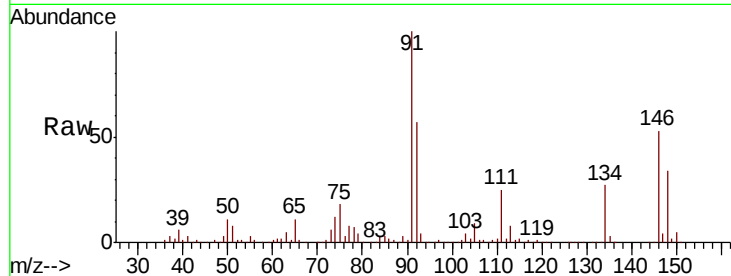
#91
 1,2-Dichlorobenzene
 Concen: 51.231 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	197311		
111	45.3	22.7	68.0	
148	64.2	31.6	94.7	

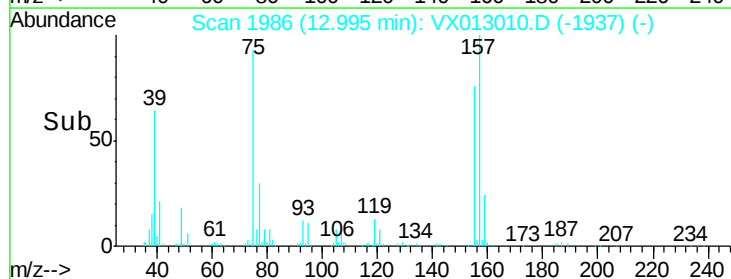
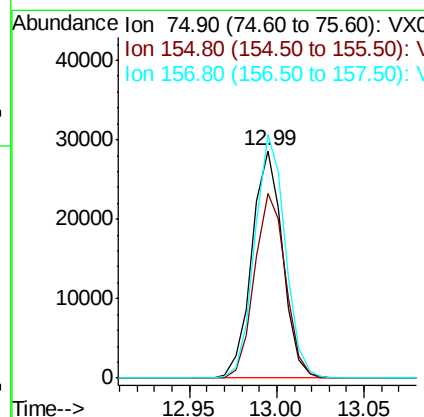
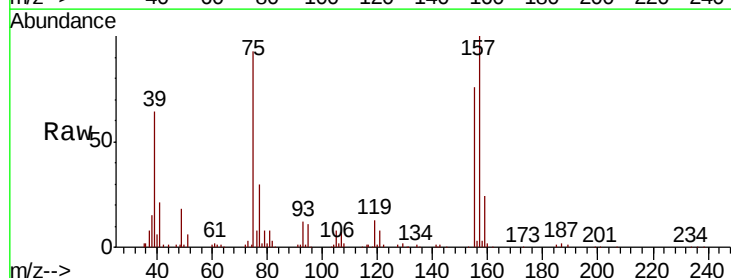
Manual Integrations
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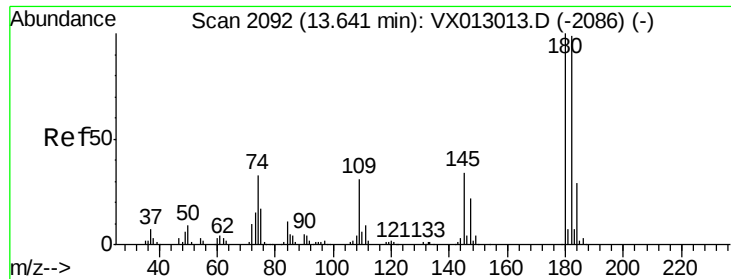
MMDadoda
 10/14/2019 10:39:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.140 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35091		
155	81.9	43.0	128.8	
157	106.5	54.1	162.3	





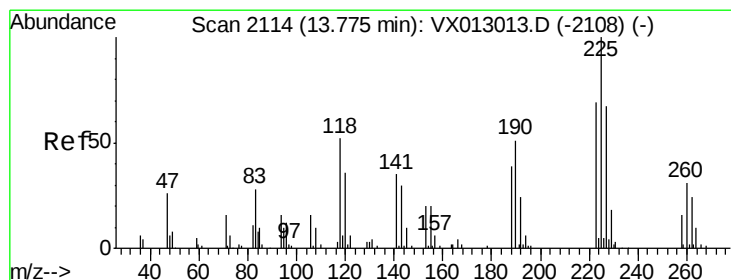
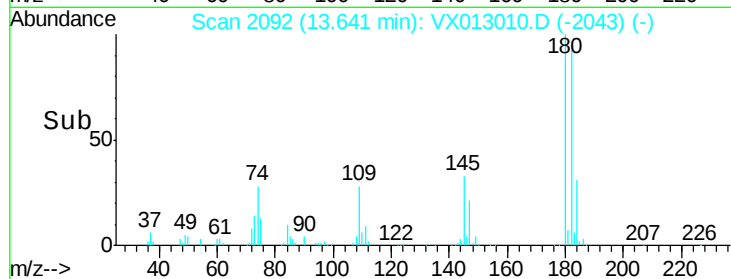
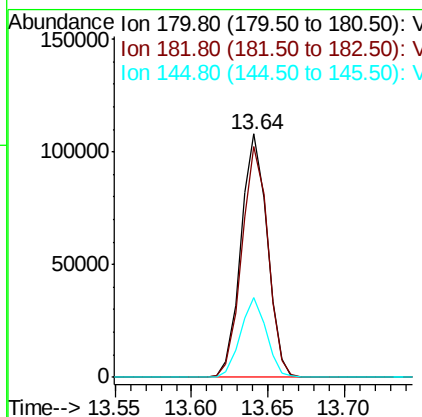
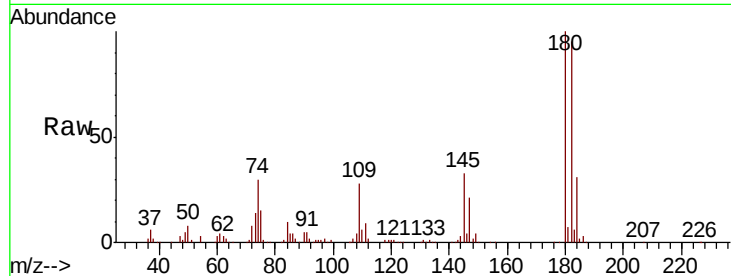
#93
 1,2,4-Trichlorobenzene
 Concen: 53.351 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	128714		
182	94.4	46.8	140.4	
145	32.3	16.2	48.6	

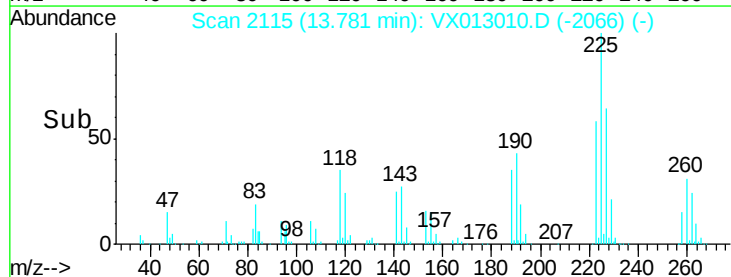
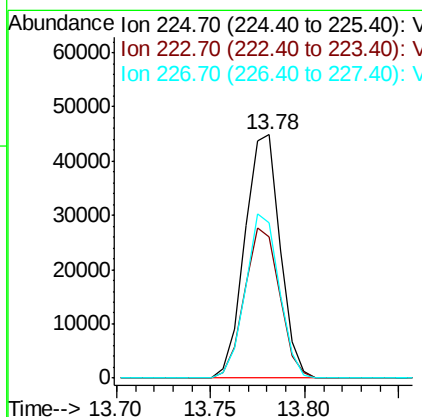
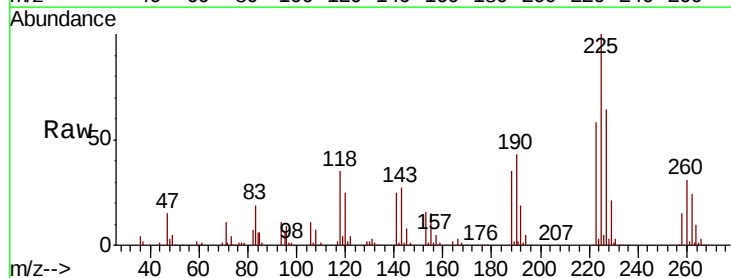
Manual Integrations
 APPROVED

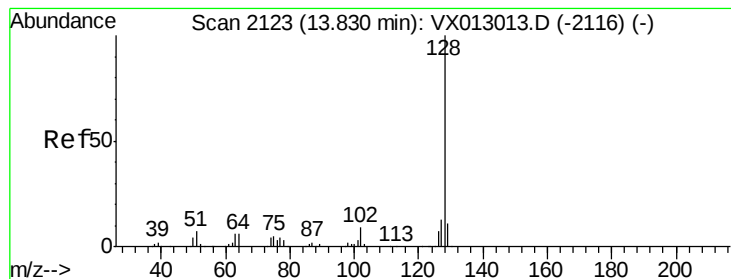
MMDadoda
 10/14/2019 10:39:26 AM



#94
 Hexachlorobutadiene
 Concen: 52.402 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX013010.D
 Acq: 11 Oct 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58346		
223	61.1	31.1	93.2	
227	64.5	32.3	96.9	





#95

Naphthalene

Concen: 52.401 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Instrument :

MSVOA_X

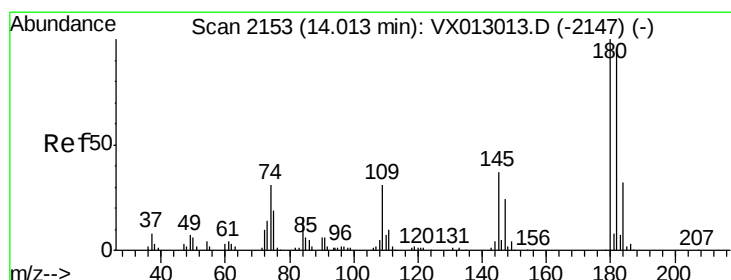
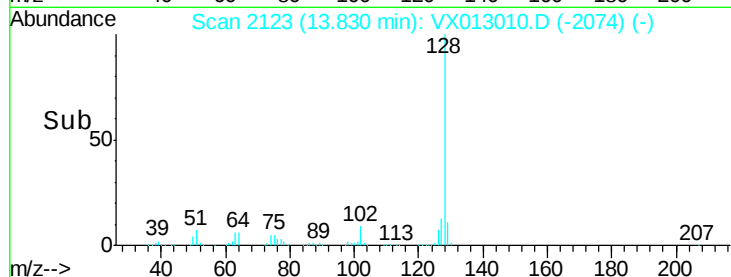
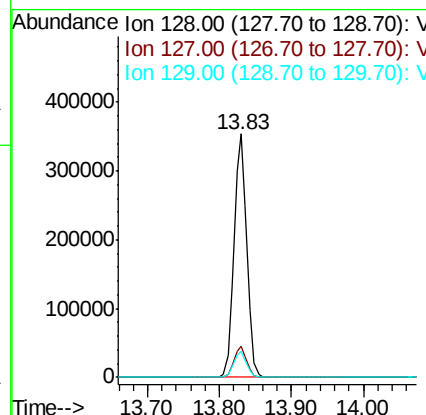
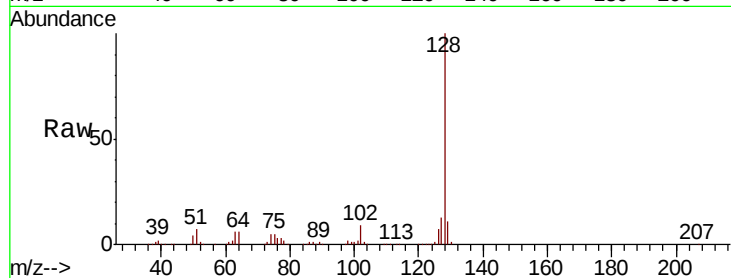
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	438247
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/14/2019 10:39:26 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.307 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX013010.D

Acq: 11 Oct 2019 12:38

Tgt Ion:	180	Resp:	127918
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.5	142.5
145	34.9	17.4	52.3

