

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101519\
 Data File : VX013070.D
 Acq On : 15 Oct 2019 12:11
 Operator : JC/SP
 Sample : VX1015WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1015WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 9:58:03 AM

Quant Time: Oct 16 06:42:17 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	177278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	285280	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	121738	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	106560	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
35) Dibromofluoromethane	5.48	113	83505	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	8.71	98	321907	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.13	95	122548	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	32866	18.188	ug/l	99
3) Chloromethane	1.32	50	34636	17.612	ug/l	99
4) Vinyl Chloride	1.40	62	35752	17.613	ug/l	99
5) Bromomethane	1.63	94	16603	19.677	ug/l	98
6) Chloroethane	1.72	64	23499	19.181	ug/l	98
7) Trichlorofluoromethane	1.92	101	53464	19.515	ug/l	100
8) Diethyl Ether	2.18	74	20794	18.804	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	35274	19.894	ug/l	98
10) Methyl Iodide	2.50	142	33991	20.283	ug/l	99
11) Tert butyl alcohol	3.03	59	49421	84.139	ug/l	98
12) 1,1-Dichloroethene	2.36	96	33191	18.527	ug/l	94
13) Acrolein	2.28	56	33947	81.325	ug/l	100
14) Allyl chloride	2.72	41	56522	17.716	ug/l	99
15) Acrylonitrile	3.13	53	102693	92.257	ug/l	99
16) Acetone	2.43	43	98154	84.042	ug/l	99
17) Carbon Disulfide	2.56	76	79524	15.568	ug/l	100
18) Methyl Acetate	2.76	43	49153	17.756	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	119029	19.240	ug/l	96
20) Methylene Chloride	2.84	84	39108	18.220	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	35395	18.434	ug/l	97
22) Diisopropyl ether	3.84	45	116121	18.995	ug/l	# 87
23) Vinyl Acetate	3.80	43	487804	92.431	ug/l	100
24) 1,1-Dichloroethane	3.69	63	65113	18.932	ug/l	99
25) 2-Butanone	4.65	43	142125	87.714	ug/l	98
26) 2,2-Dichloropropane	4.58	77	53532	18.510	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	40834	18.449	ug/l	99
28) Bromochloromethane	5.00	49	20239	19.418	ug/l	97
29) Tetrahydrofuran	5.11	42	87825	88.081	ug/l	97
30) Chloroform	5.19	83	67493	19.126	ug/l	95
31) Cyclohexane	5.56	56	58080	18.060	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	57322	19.171	ug/l	99
36) 1,1-Dichloropropene	5.78	75	49154	19.597	ug/l	98
37) Ethyl Acetate	4.82	43	52460	18.705	ug/l	99
38) Carbon Tetrachloride	5.77	117	49720	20.366	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	60618	19.929	ug/l	96
40) Benzene	6.13	78	148054	19.986	ug/l	100
41) Methacrylonitrile	5.03	41	28797	18.686	ug/l	98
42) 1,2-Dichloroethane	6.18	62	54351	20.447	ug/l	99
43) Isopropyl Acetate	6.43	43	86422	19.198	ug/l	99
44) Trichloroethene	7.20	130	40404	19.668	ug/l	99
45) 1,2-Dichloropropane	7.50	63	38614	20.452	ug/l	99
46) Dibromomethane	7.65	93	25845	20.546	ug/l	99
47) Bromodichloromethane	7.89	83	49264	20.068	ug/l	99
48) Methyl methacrylate	7.76	41	40047	18.256	ug/l	97
49) 1,4-Dioxane	7.73	88	21345	384.954	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	269460	96.009	ug/l	99
52) Toluene	8.78	92	96113	20.280	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	52476	18.555	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	59448	19.690	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	38206	20.371	ug/l	98
56) Ethyl methacrylate	9.17	69	58989	18.752	ug/l	100
57) 1,3-Dichloropropane	9.37	76	64731	19.952	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	137279	99.635	ug/l	99
59) 2-Hexanone	9.48	43	205607	94.109	ug/l	99
60) Dibromochloromethane	9.57	129	38076	19.422	ug/l	98
61) 1,2-Dibromoethane	9.67	107	40200	20.375	ug/l	98
64) Tetrachloroethene	9.33	164	38474	21.523	ug/l	97
65) Chlorobenzene	10.14	112	100567	19.649	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	36729	20.698	ug/l	98
67) Ethyl Benzene	10.25	91	182199	20.041	ug/l	96
68) m/p-Xylenes	10.36	106	136771	40.271	ug/l	98
69) o-Xylene	10.70	106	68198	20.591	ug/l	96
70) Styrene	10.71	104	114677	20.367	ug/l	100
71) Bromoform	10.85	173	24854	18.543	ug/l #	100
73) Isopropylbenzene	11.01	105	183529	20.505	ug/l	99
74) N-amyl acetate	10.89	43	70211	18.214	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	58494	19.649	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	56329m	20.862	ug/l	
77) Bromobenzene	11.25	156	42849	20.316	ug/l	99
78) n-propylbenzene	11.35	91	196599	19.962	ug/l	100
79) 2-Chlorotoluene	11.42	91	123535	19.958	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	150269	20.107	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	16601	18.603	ug/l	95
82) 4-Chlorotoluene	11.51	91	136839	19.288	ug/l	100
83) tert-Butylbenzene	11.76	119	139705	19.163	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	149191	19.711	ug/l	98
85) sec-Butylbenzene	11.94	105	167686	19.853	ug/l	100
86) p-Isopropyltoluene	12.06	119	153800	19.634	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	77468	19.779	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	77356	19.501	ug/l	100
89) n-Butylbenzene	12.39	91	130519	19.825	ug/l	98
90) Hexachloroethane	12.59	117	24948	18.585	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	76501	19.923	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	12444	17.835	ug/l	99

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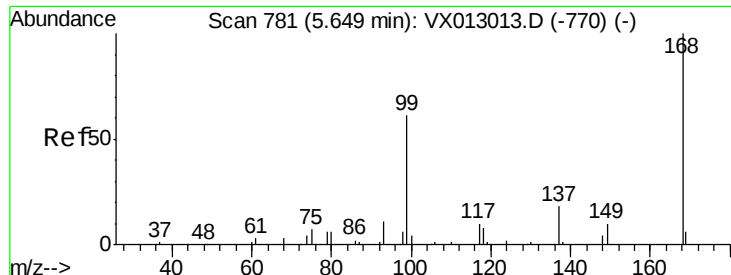
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	45079	18.741	ug/l	97
94) Hexachlorobutadiene	13.78	225	21535	19.400	ug/l	98
95) Naphthalene	13.83	128	153142	18.367	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	46258	18.610	ug/l	99

(#) = 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: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

VX1015WBS01

Tot Ion:168 Resp: 177278

Ion Ratio Lower Upper

168 100

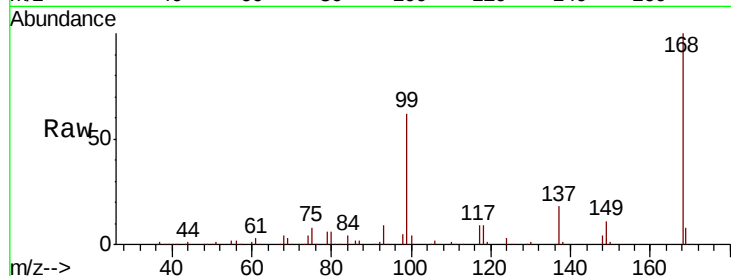
99 61.9 49.4 74.0

Manual Integrations

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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

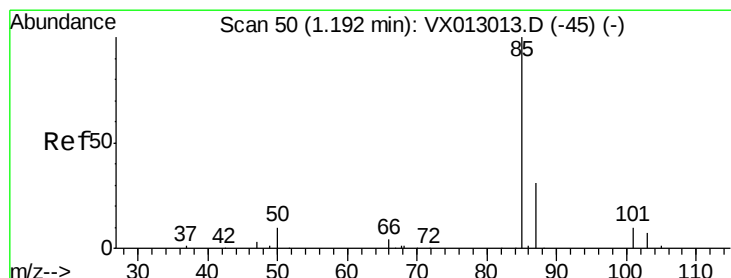
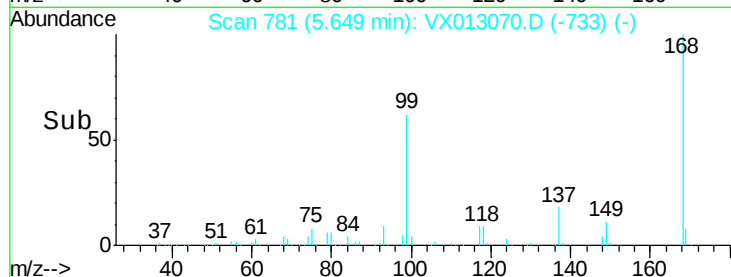
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.188 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX013070.D

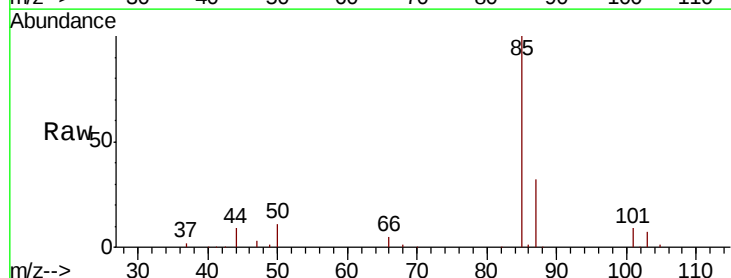
Acq: 15 Oct 2019 12:11

Tgt Ion: 85 Resp: 32866

Ion Ratio Lower Upper

85 100

87 32.5 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

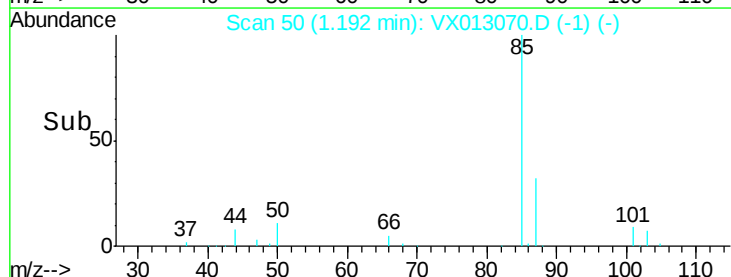
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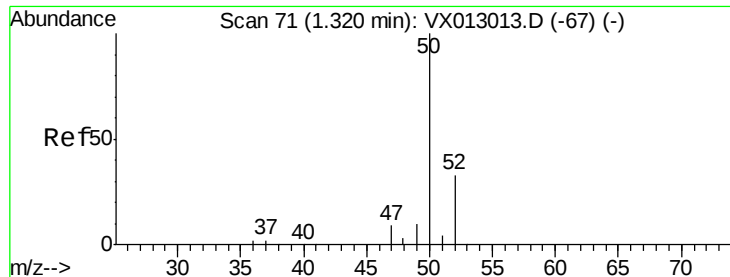
20000

10000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 17.612 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

VX1015WBS01

Tot Ion: 50 Resp: 34636

Ion Ratio Lower Upper

50 100

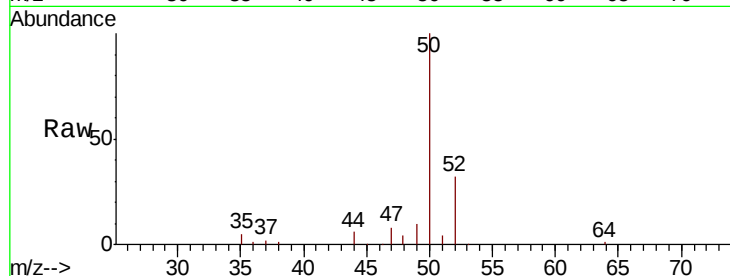
52 31.9 25.2 37.8

Manual Integrations

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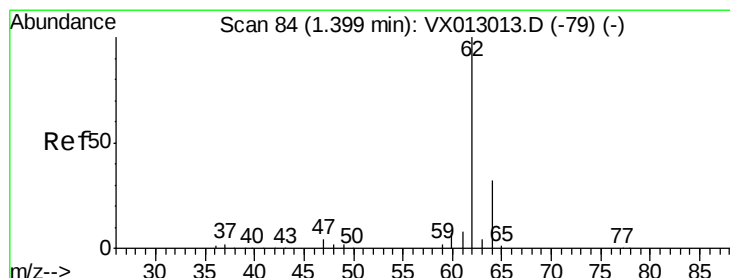
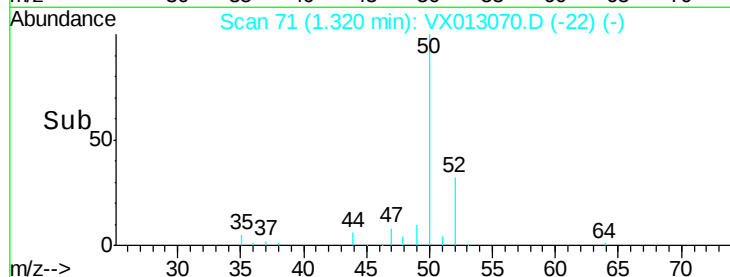
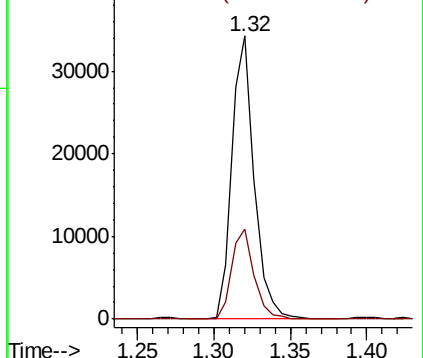
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.613 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013070.D

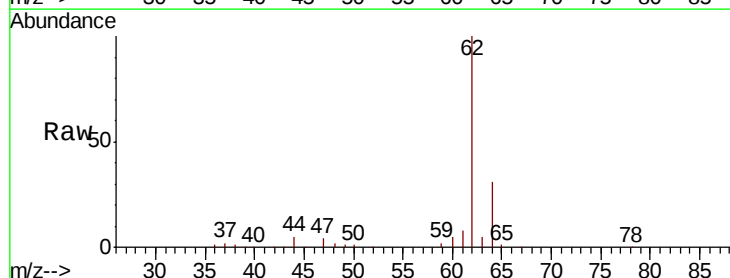
Acq: 15 Oct 2019 12:11

Tgt Ion: 62 Resp: 35752

Ion Ratio Lower Upper

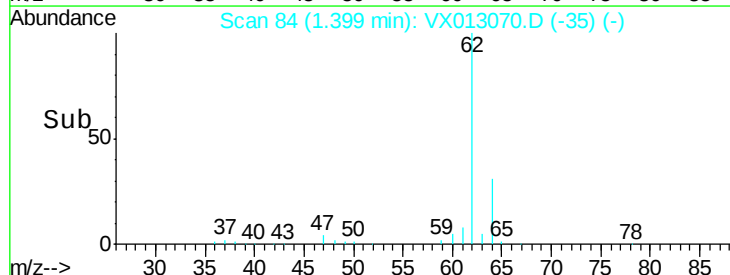
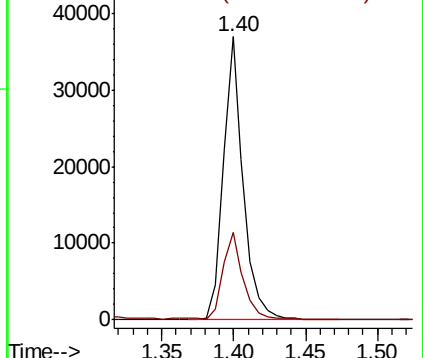
62 100

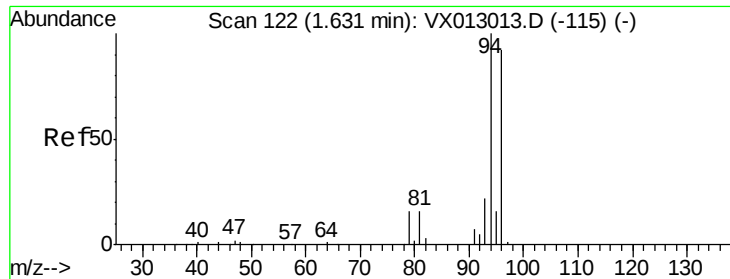
64 30.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.677 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

VX1015WBS01

Tot Ion: 94 Resp: 16603

Ion Ratio Lower Upper

94 100

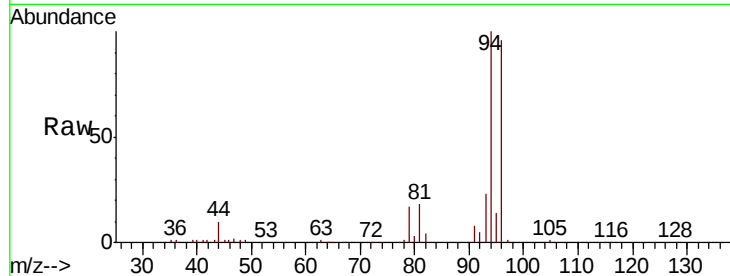
96 95.6 74.7 112.1

Manual Integrations

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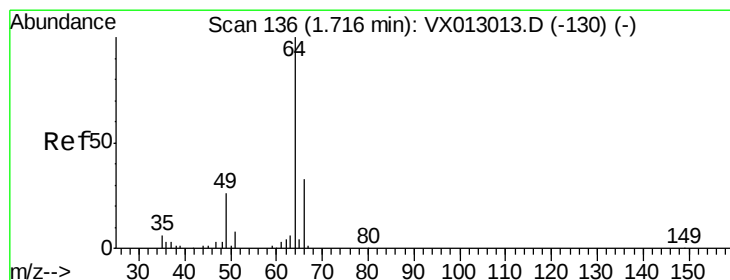
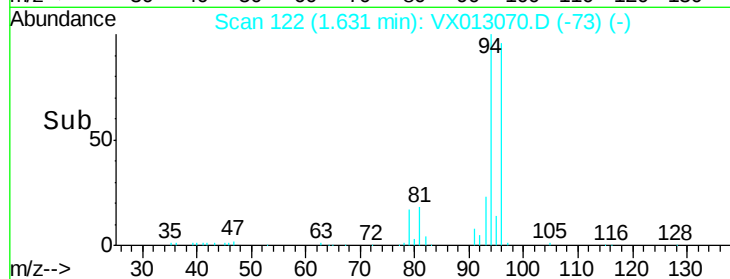
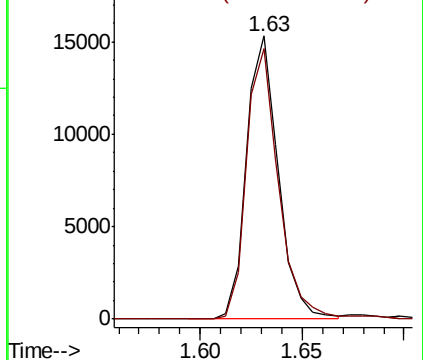
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.181 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013070.D

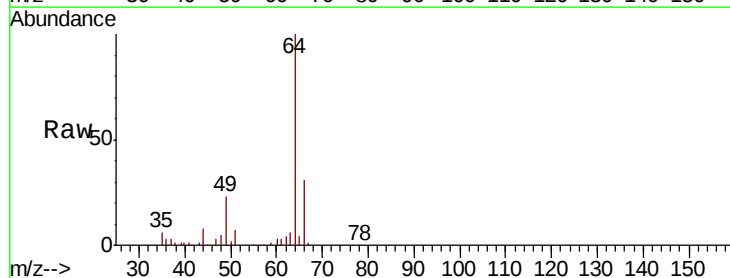
Acq: 15 Oct 2019 12:11

Tgt Ion: 64 Resp: 23499

Ion Ratio Lower Upper

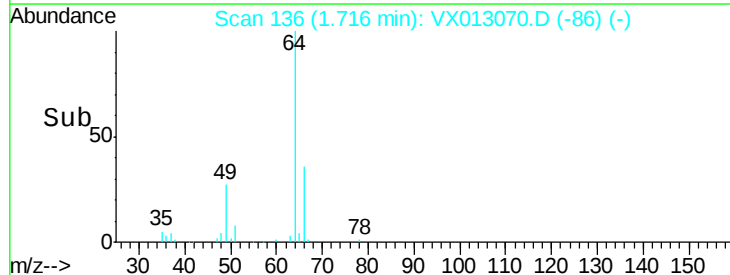
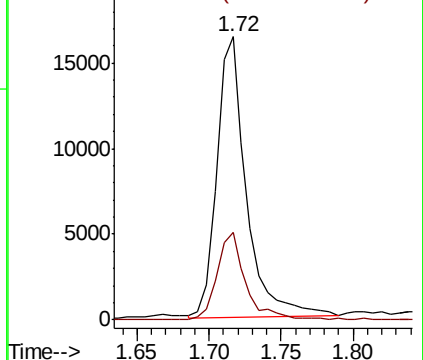
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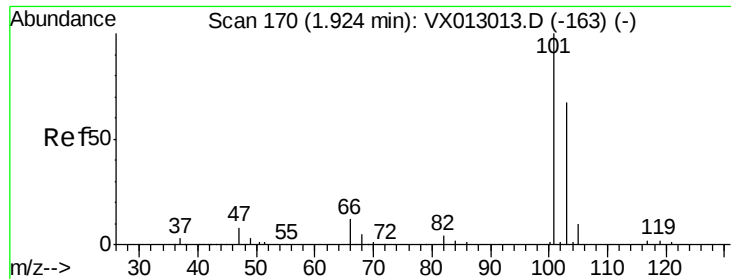
66 30.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

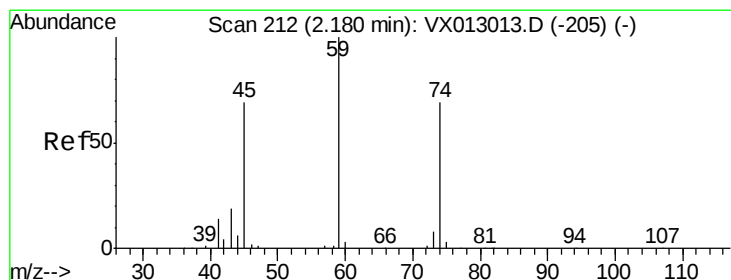
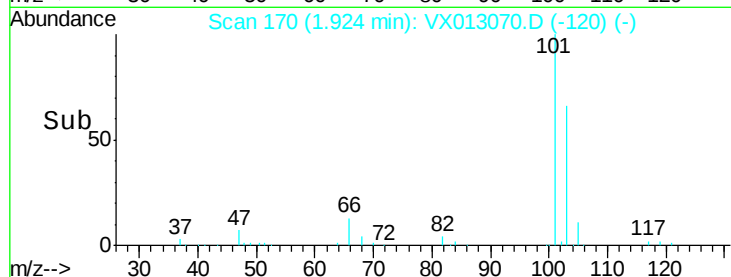
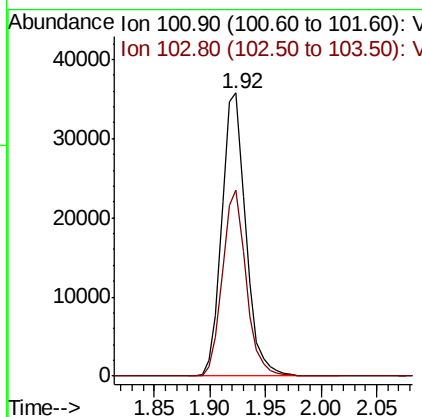
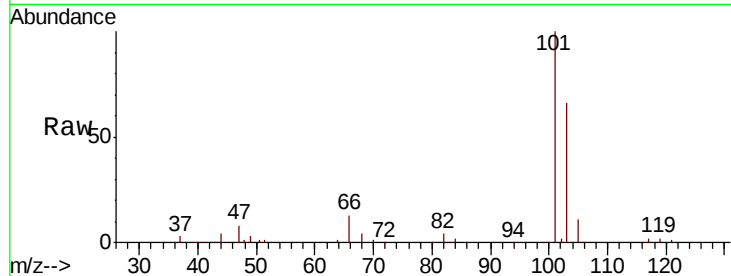
Trichlorofluoromethane
Concen: 19.515 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
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ClientSampleId :
VX1015WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.5	78.7

Manual Integrations
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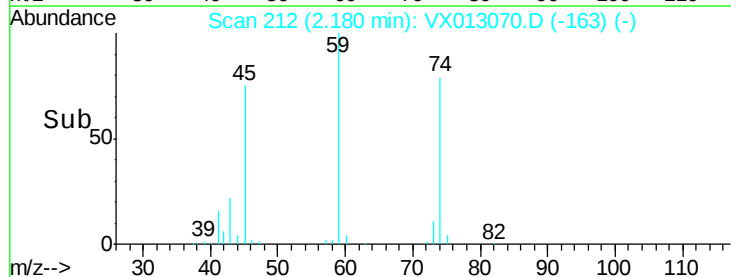
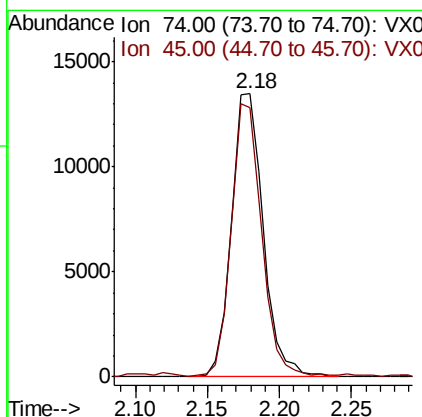
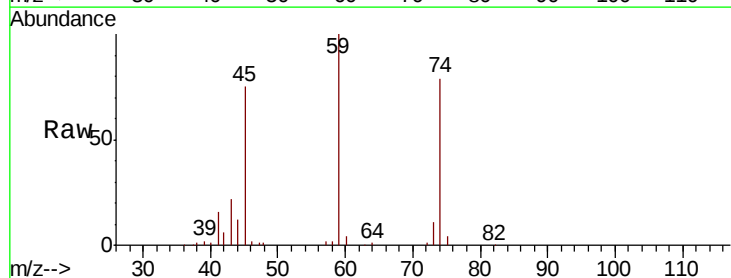
MMDadoda
10/16/2019 9:58:03 AM

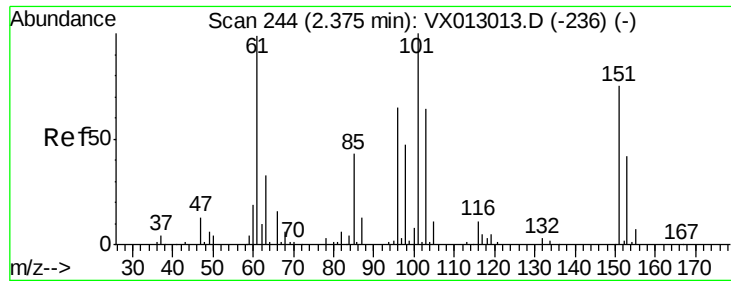


#8

Diethyl Ether
Concen: 18.804 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	47.8	143.4





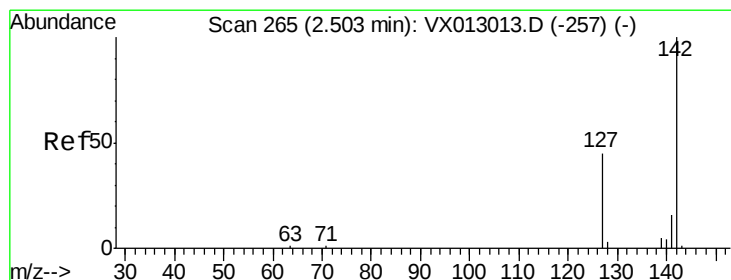
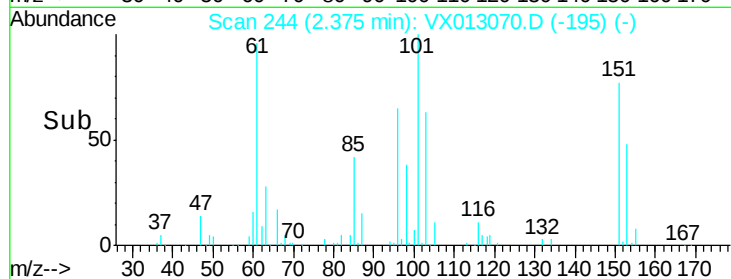
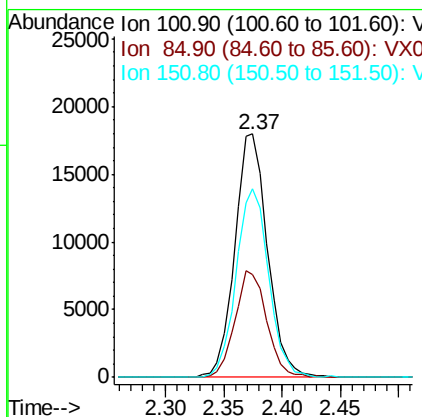
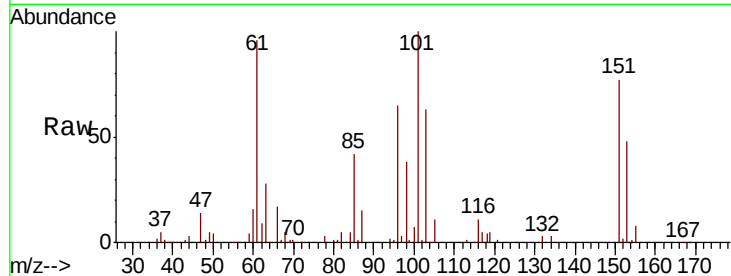
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.894 ug/l
 RT: 2.37 min Scan# 244
 Delta R.T. 0.00 min
 Lab File: VX013070.D
 Acq: 15 Oct 2019 12:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1015WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.5	35.2	52.8
151	77.1	60.3	90.5

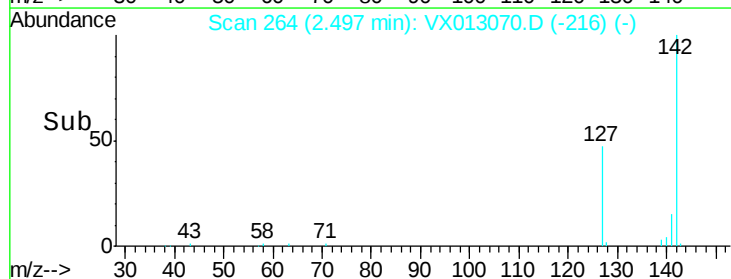
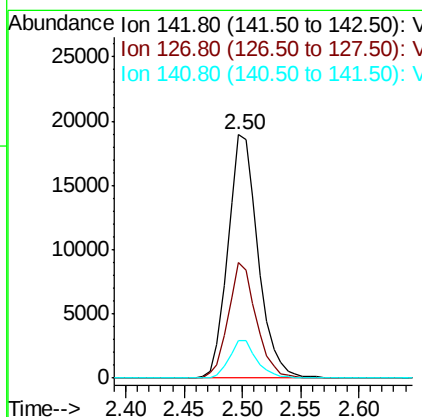
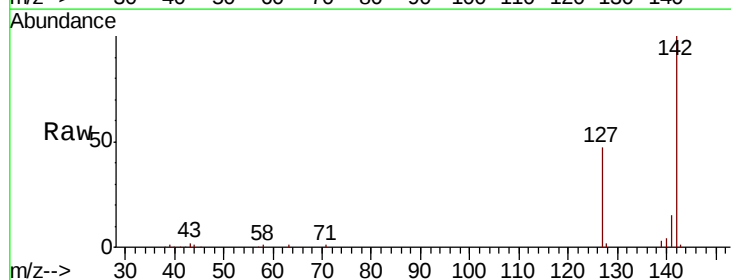
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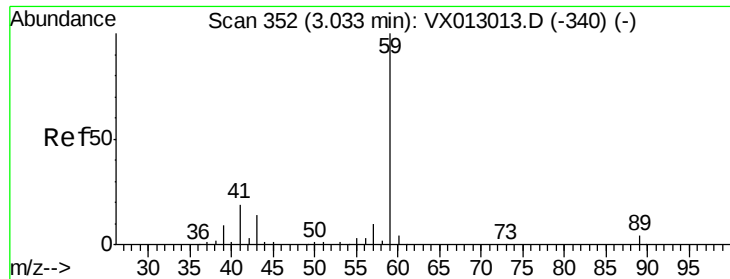
MMDadoda
 10/16/2019 9:58:03 AM



#10
 Methyl Iodide
 Concen: 20.283 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. -0.01 min
 Lab File: VX013070.D
 Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.4	34.9	52.3
141	14.0	11.6	17.4





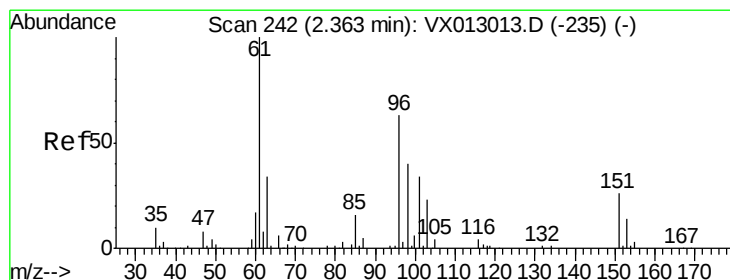
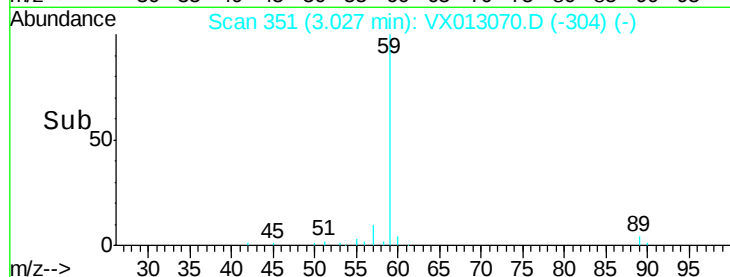
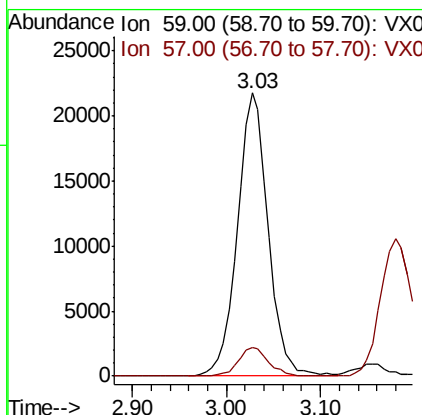
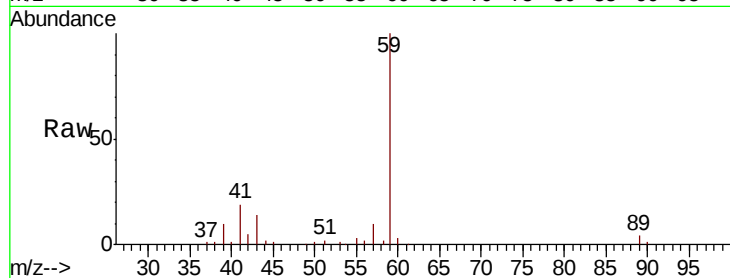
#11
Tert butyl alcohol
Concen: 84.139 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

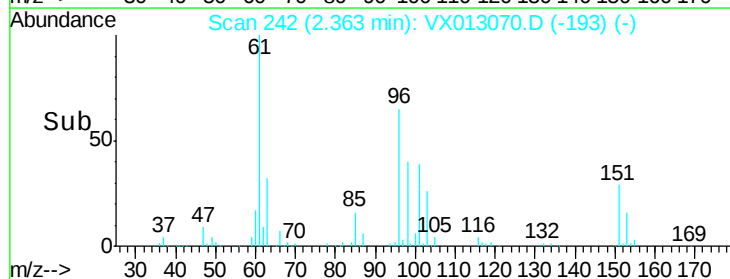
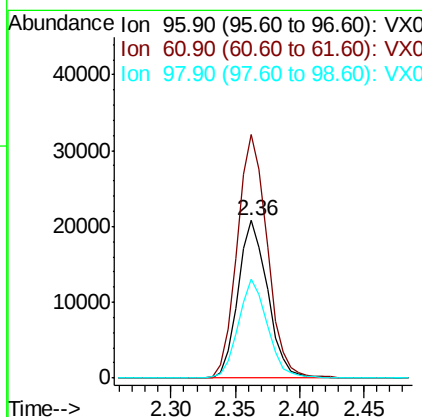
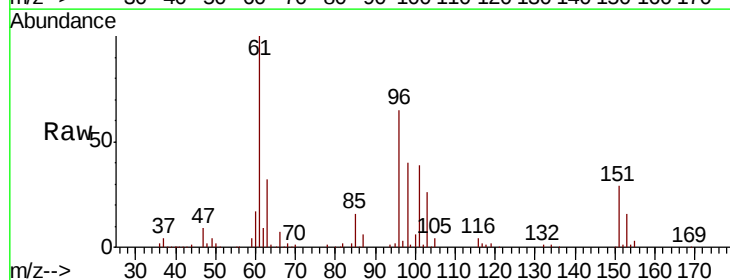
Manual Integrations
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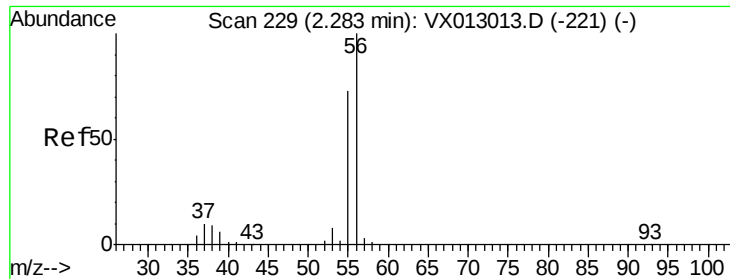
MMDadoda
10/16/2019 9:58:03 AM



#12
1,1-Dichloroethene
Concen: 18.527 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.5	132.2	198.4
98	62.5	50.5	75.7





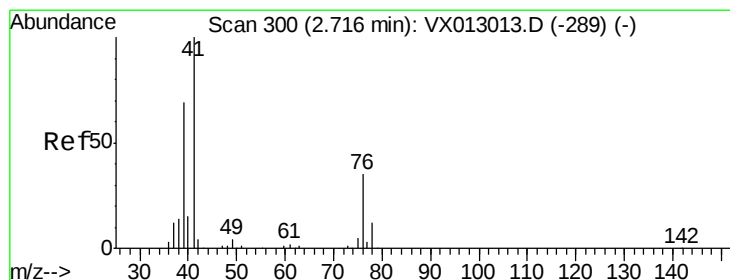
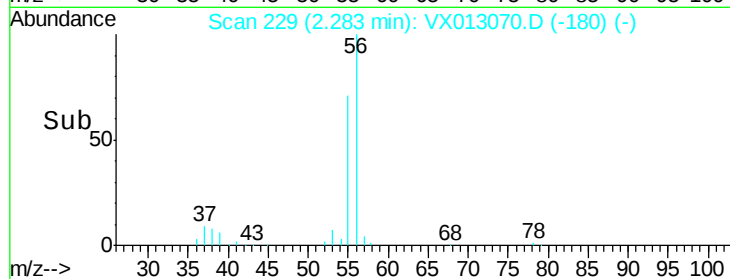
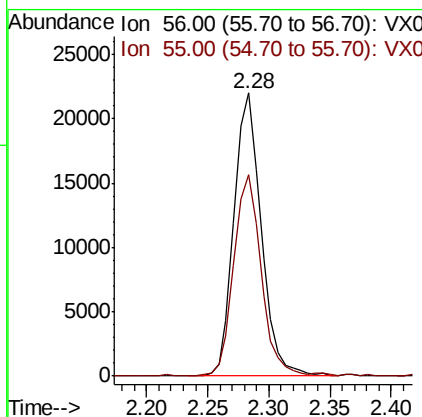
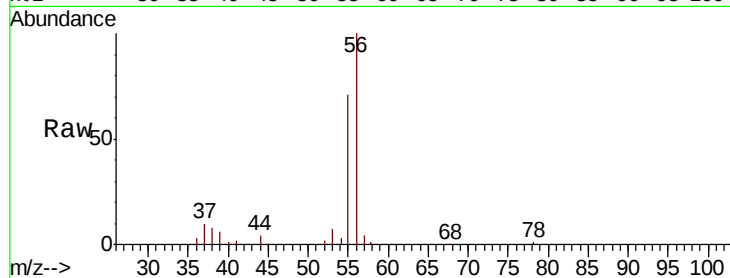
#13
Acrolein
Concen: 81.325 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion	56	Resp	33947
Ion Ratio	100	Lower	Upper
56	100		
55	71.2	56.6	85.0

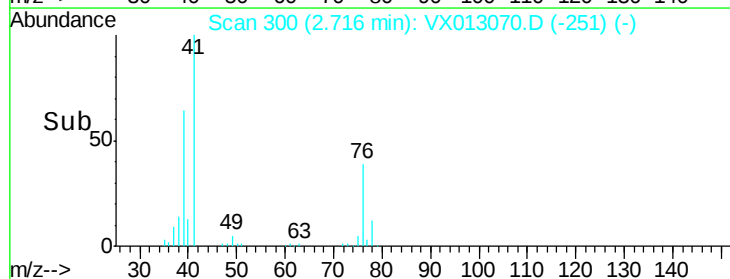
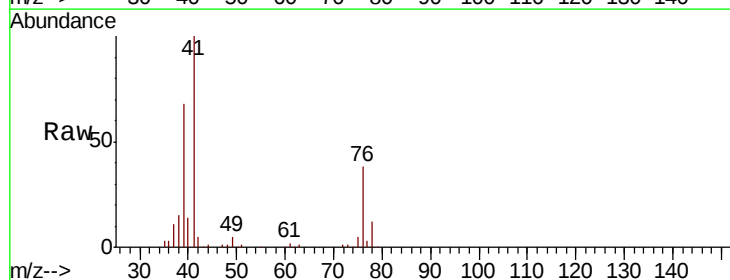
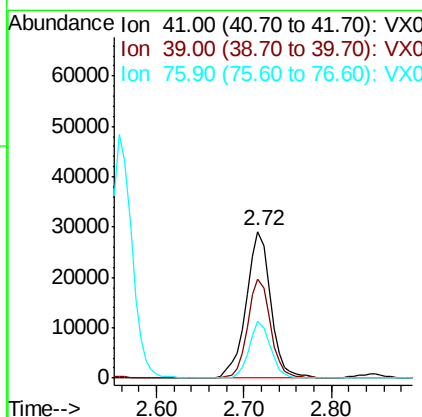
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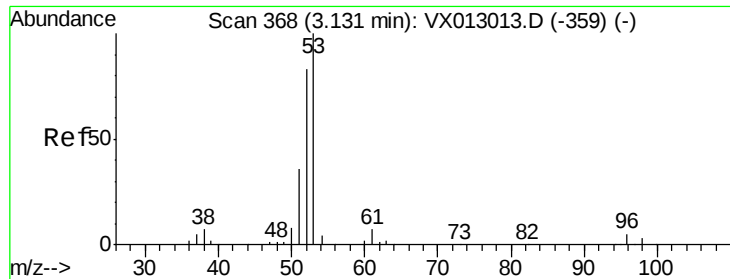
MMDadoda
10/16/2019 9:58:03 AM



#14
Allyl chloride
Concen: 17.716 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion	41	Resp	56522
Ion Ratio	100	Lower	Upper
41	100		
39	63.1	51.0	76.6
76	33.4	26.2	39.4





#15

Acrylonitrile

Concen: 92.257 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

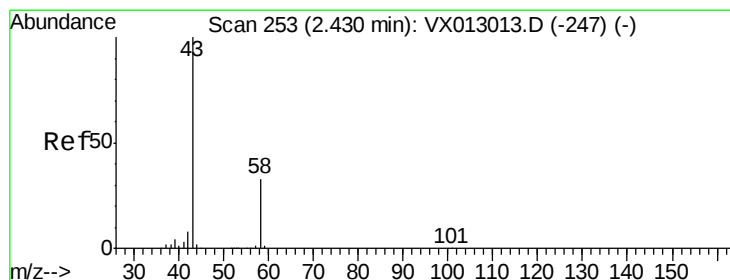
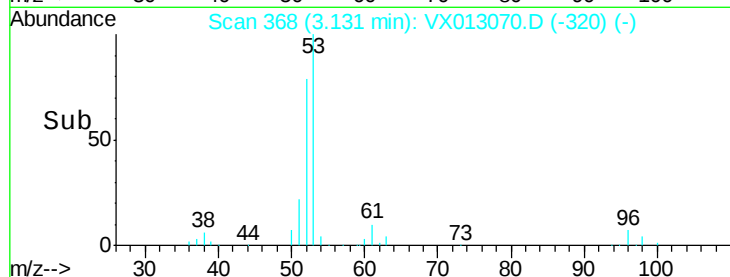
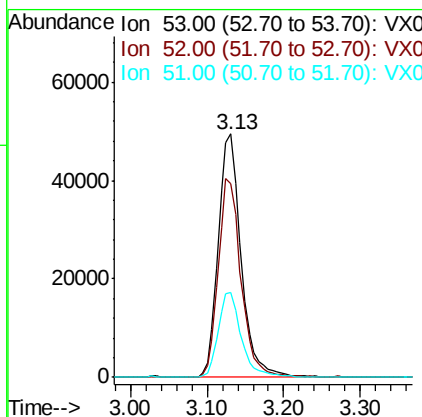
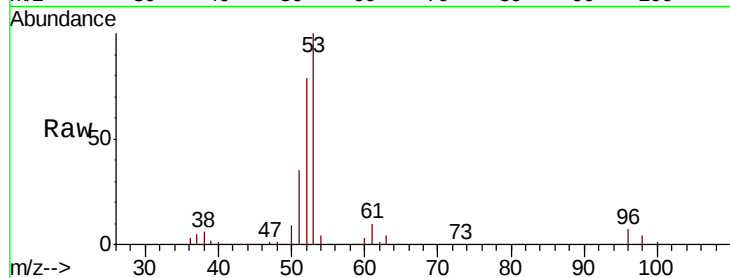
ClientSampleId :

VX1015WBS01

Tot Ion:	53	Resp:	102693
Ion Ratio	Lower	Upper	
53	100		
52	81.5	66.2	99.2
51	35.3	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 84.042 ug/l

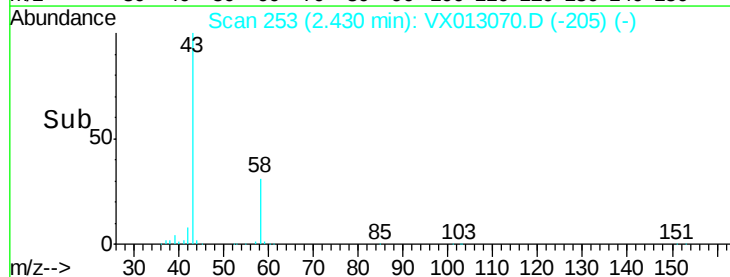
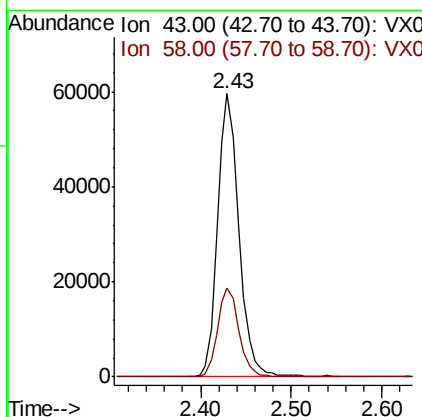
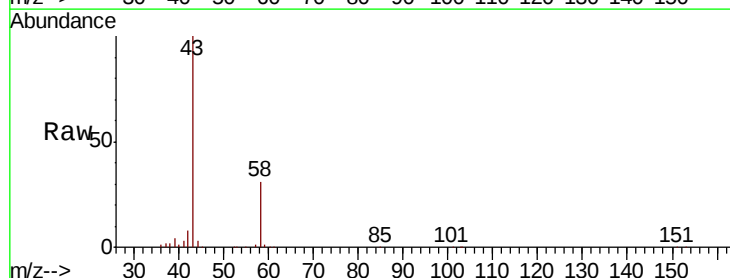
RT: 2.43 min Scan# 253

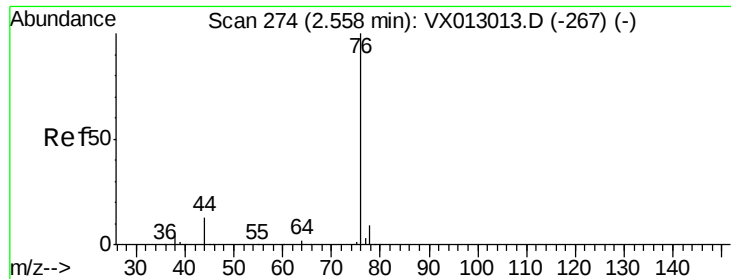
Delta R.T. -0.01 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Tgt Ion:	43	Resp:	98154
Ion Ratio	Lower	Upper	
43	100		
58	31.5	25.4	38.2





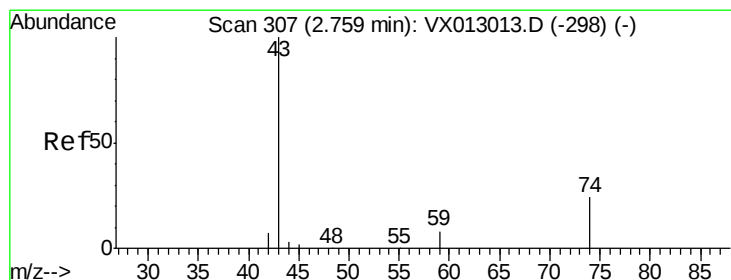
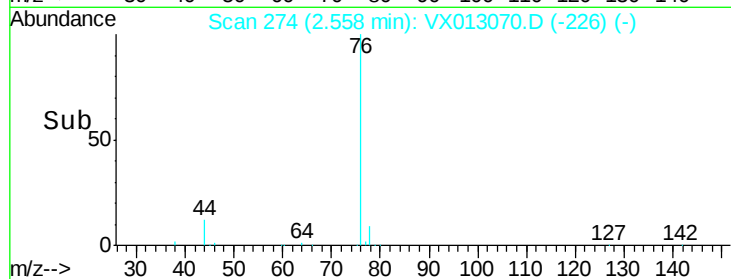
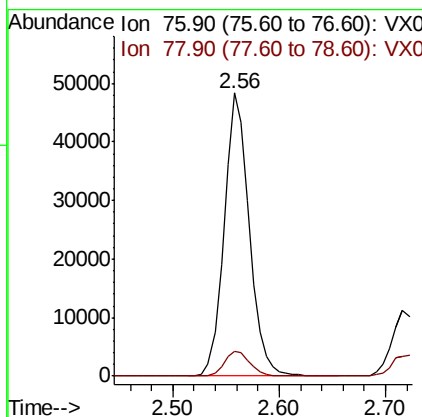
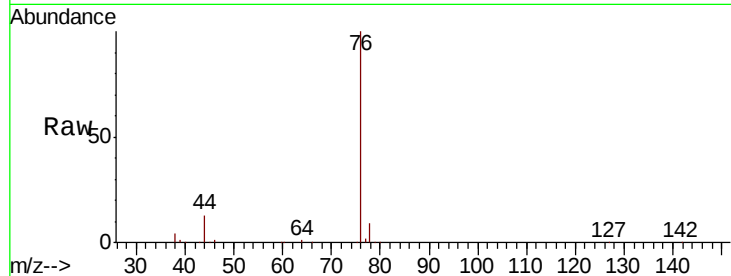
#17
Carbon Disulfide
Concen: 15.568 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

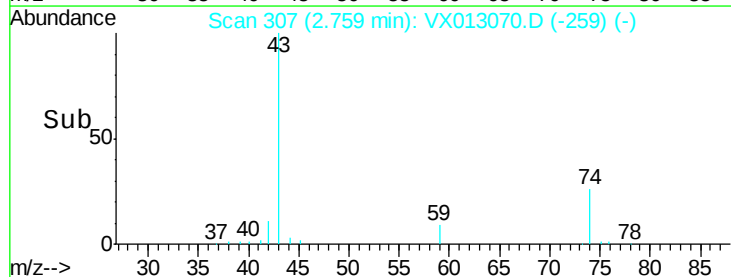
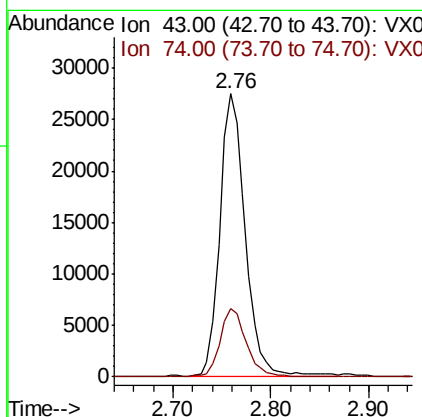
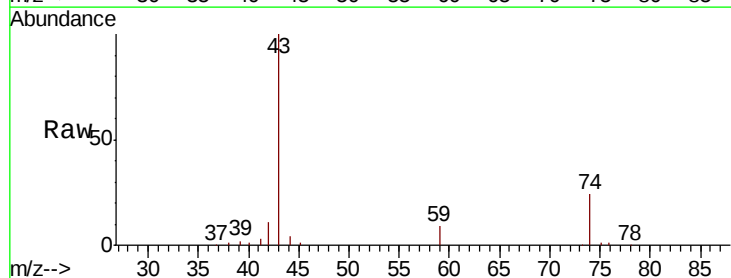
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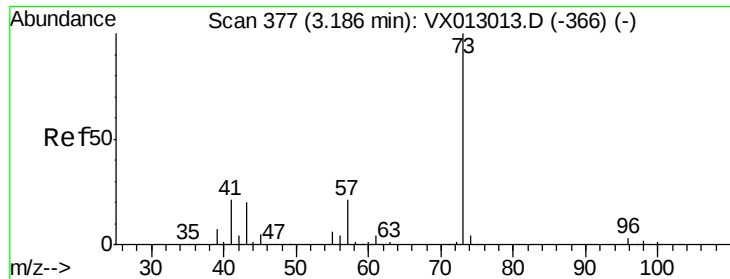
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#18
Methyl Acetate
Concen: 17.756 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.2	28.8





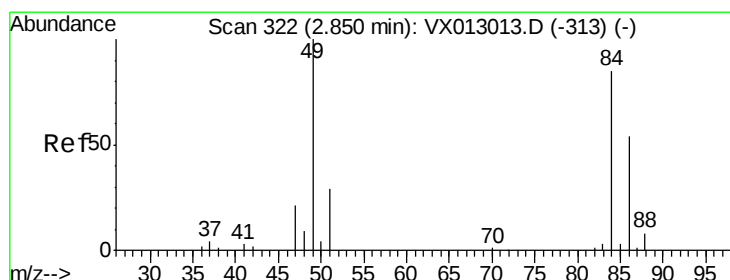
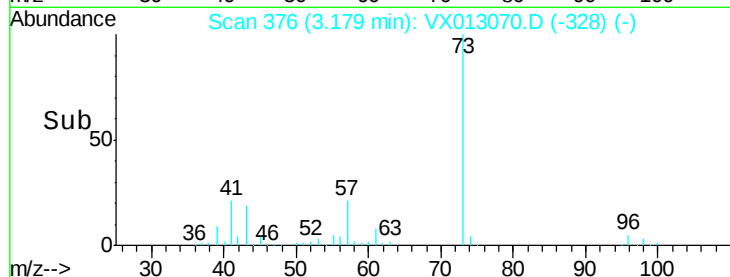
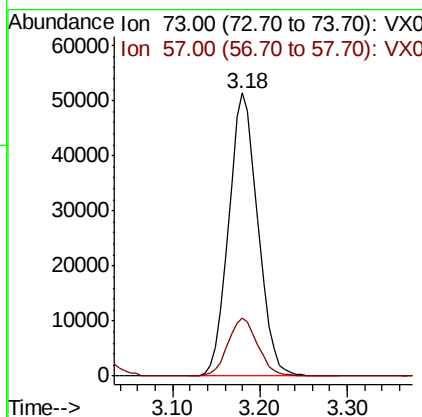
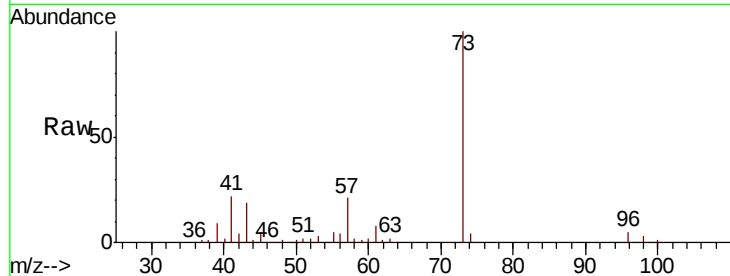
#19
Methvl tert-butvl Ether
Concen: 19.240 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion: 73 Resp: 119029
Ion Ratio Lower Upper
73 100
57 20.5 17.8 26.6

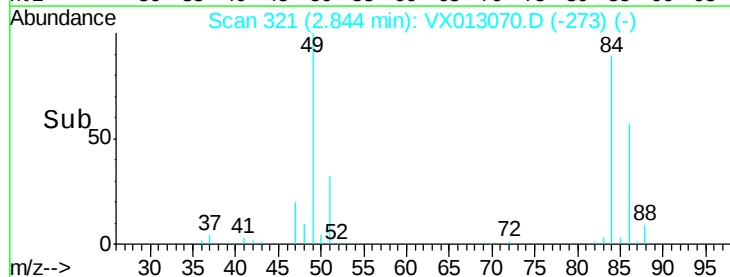
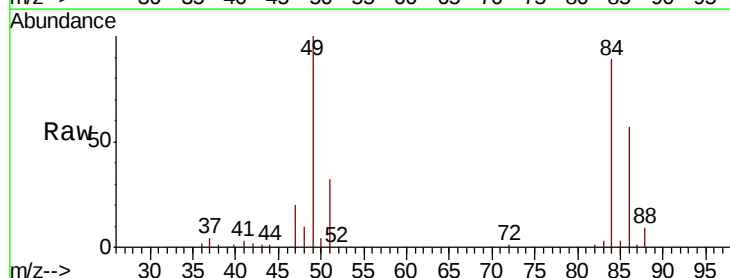
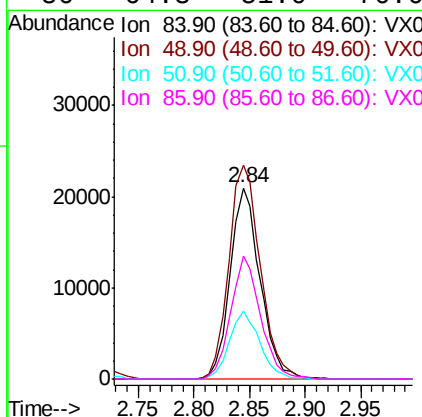
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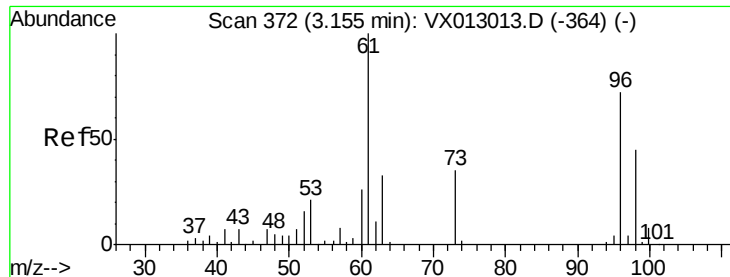
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#20
Methylene Chloride
Concen: 18.220 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion: 84 Resp: 39108
Ion Ratio Lower Upper
84 100
49 112.0 96.6 144.8
51 35.8 30.7 46.1
86 64.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.434 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

VX1015WBS01

Tot Ion: 96 Resp: 35395

Ion Ratio Lower Upper

96 100

61 134.5 110.4 165.6

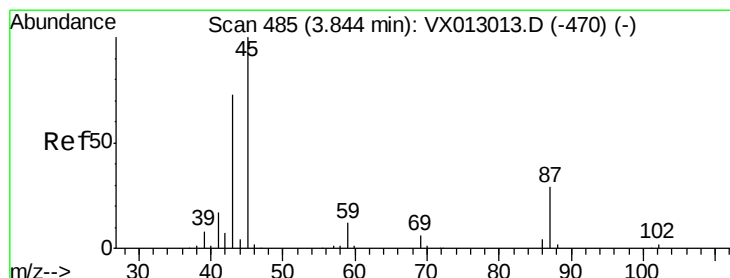
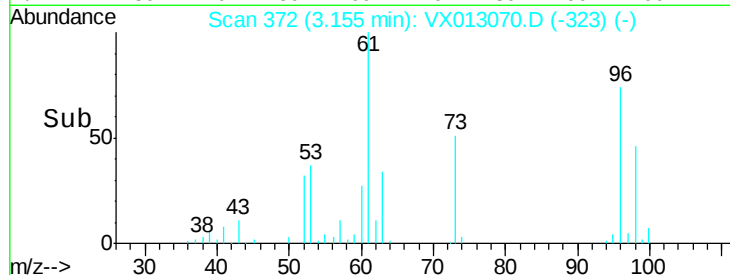
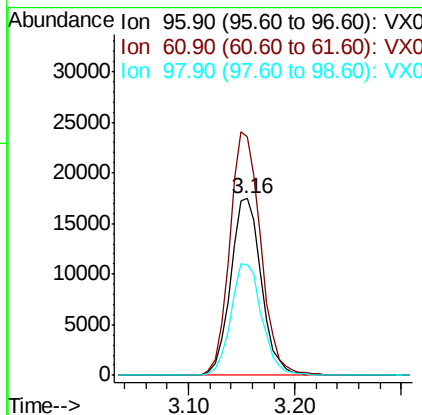
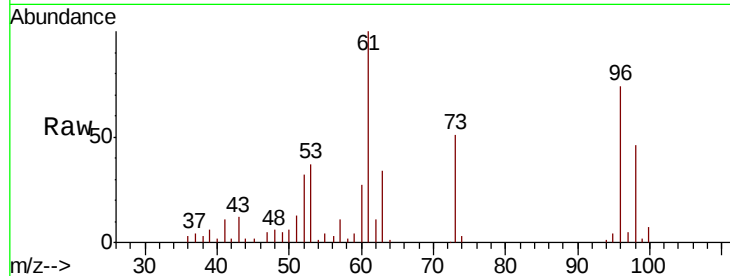
98 62.5 51.5 77.3

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#22

Diisopropyl ether

Concen: 18.995 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Tgt Ion: 45 Resp: 116121

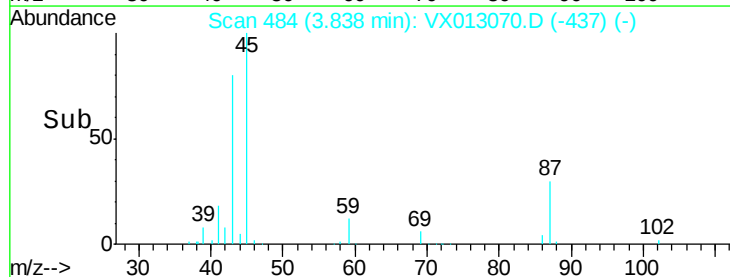
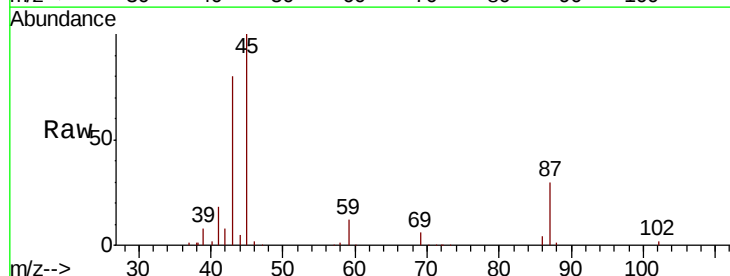
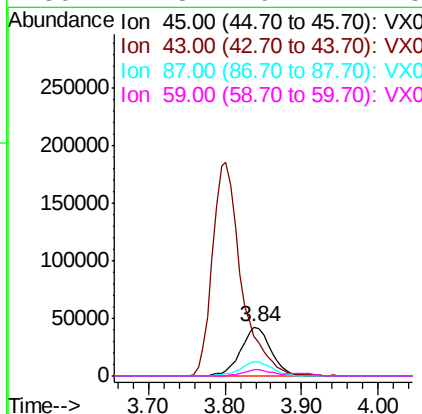
Ion Ratio Lower Upper

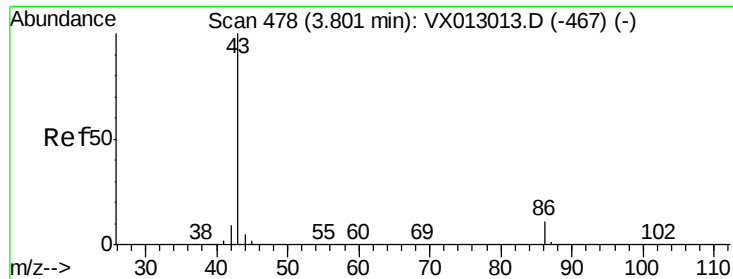
45 100

43 79.0 51.4 77.0#

87 30.1 22.5 33.7

59 12.3 9.7 14.5





#23

Vinyl Acetate

Concen: 92.431 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

VX1015WBS01

Tot Ion: 43 Resp: 487804

Ion Ratio Lower Upper

43 100

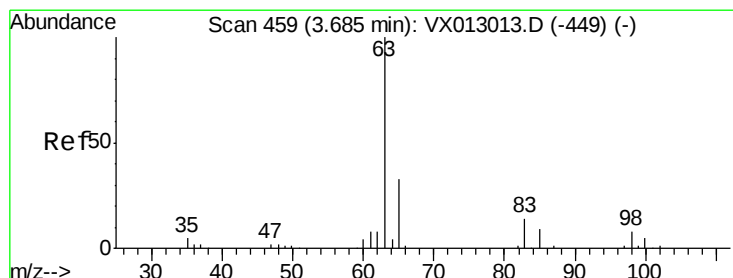
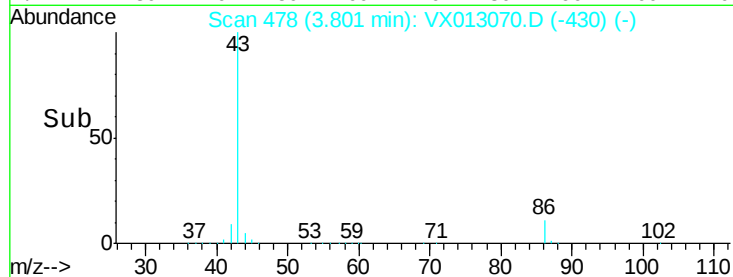
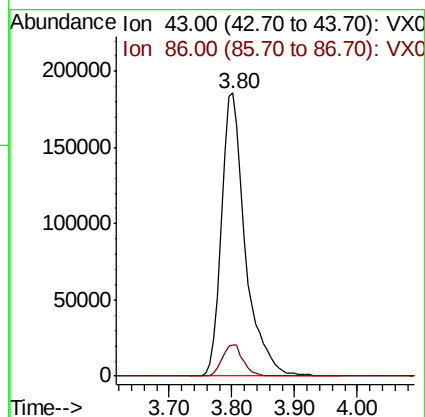
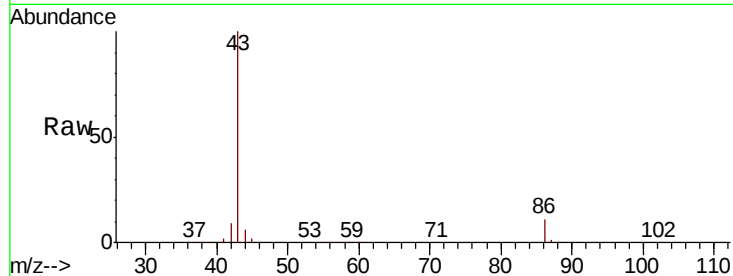
86 11.2 9.0 13.6

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#24

1,1-Dichloroethane

Concen: 18.932 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

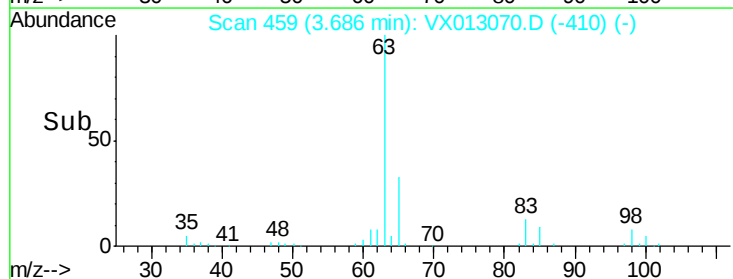
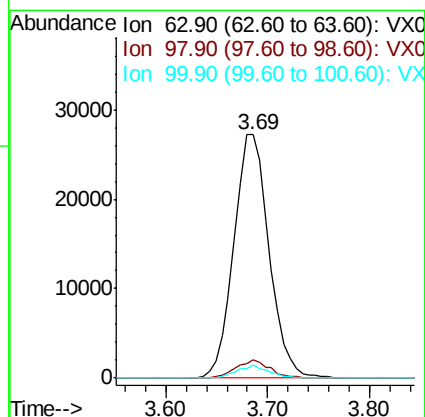
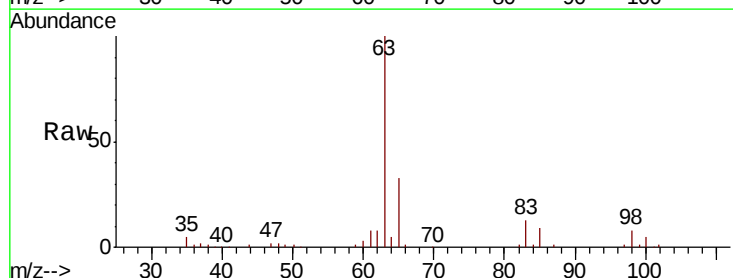
Tgt Ion: 63 Resp: 65113

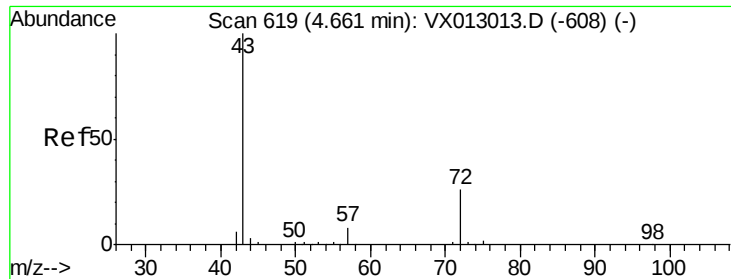
Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.5

100 5.4 2.3 6.9





#25

2-Butanone

Concen: 87.714 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

VX1015WBS01

Tot Ion: 43 Resp: 142125

Ion Ratio Lower Upper

43 100

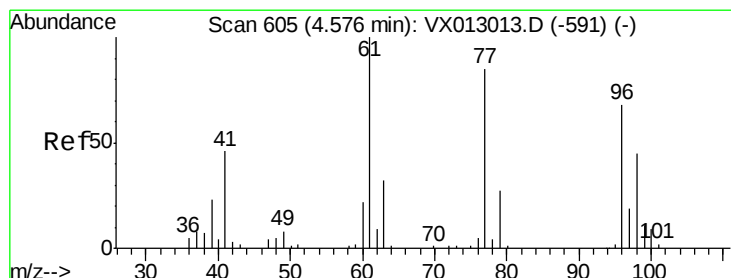
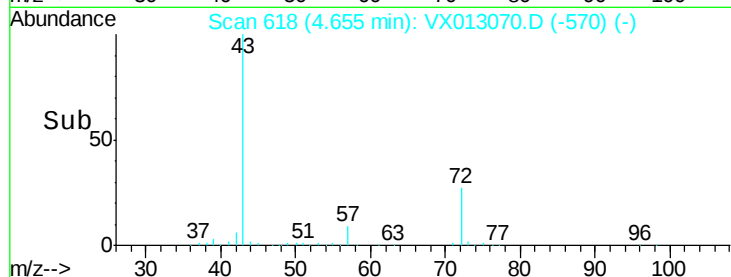
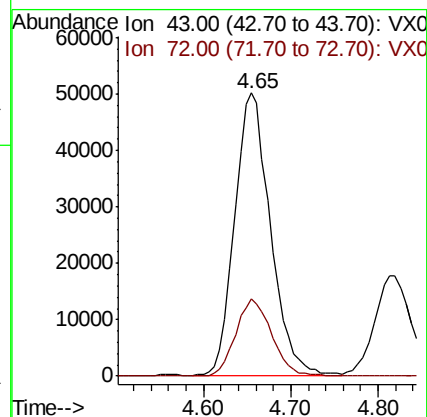
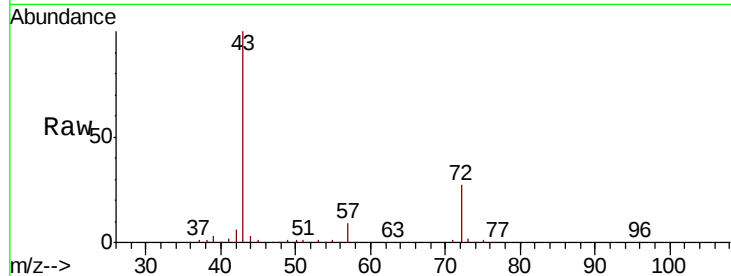
72 27.3 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.510 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX013070.D

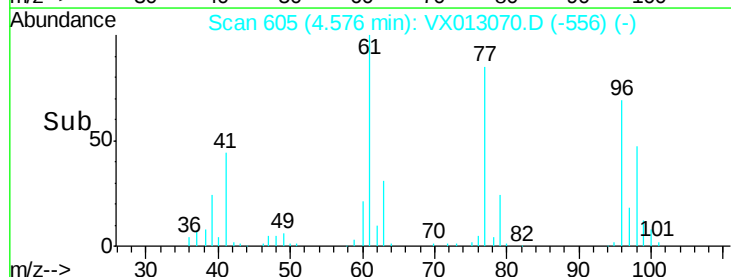
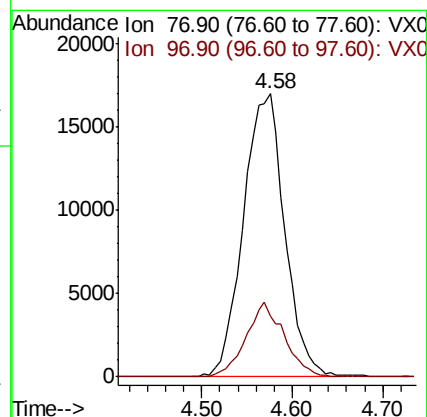
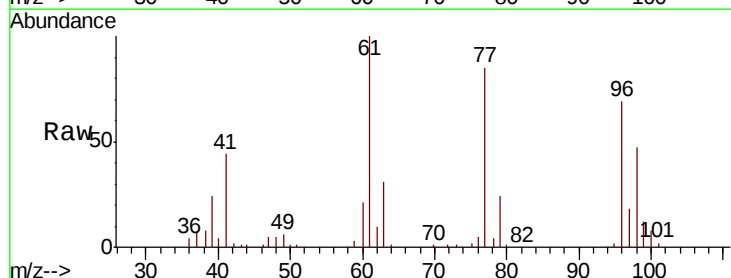
Acq: 15 Oct 2019 12:11

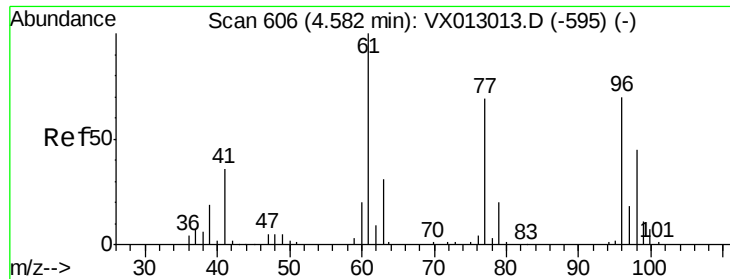
Tgt Ion: 77 Resp: 53532

Ion Ratio Lower Upper

77 100

97 24.3 11.3 33.9





#27

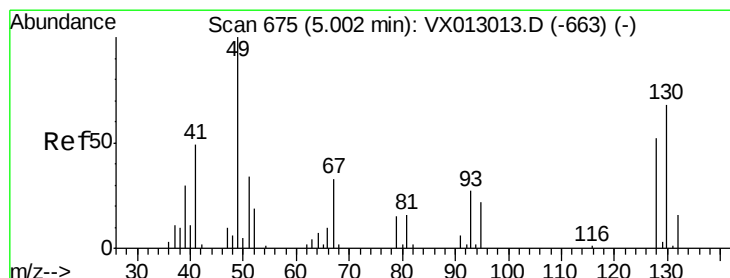
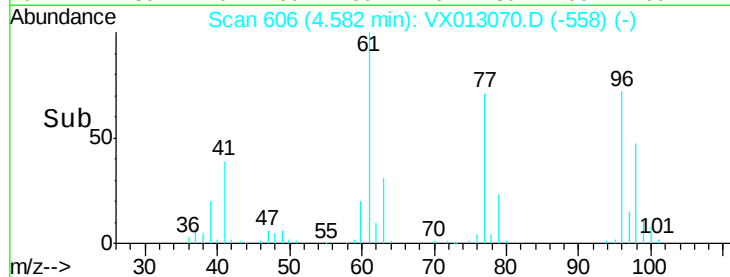
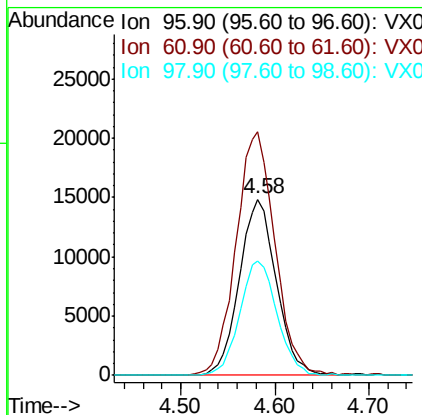
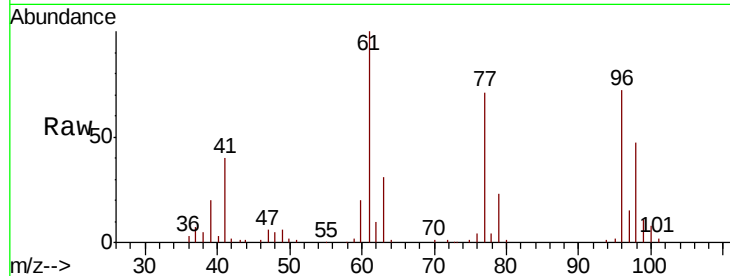
cis-1,2-Dichloroethene
Concen: 18.449 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	40834		
61	145.7		0.0	290.6
98	65.8		0.0	128.8

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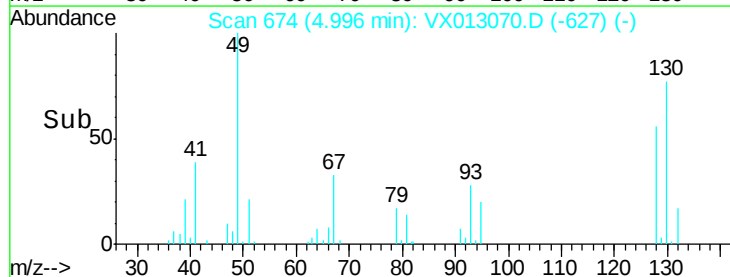
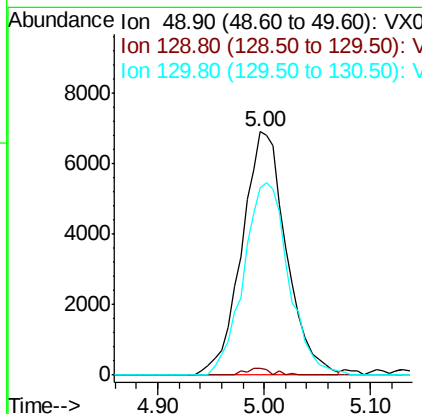
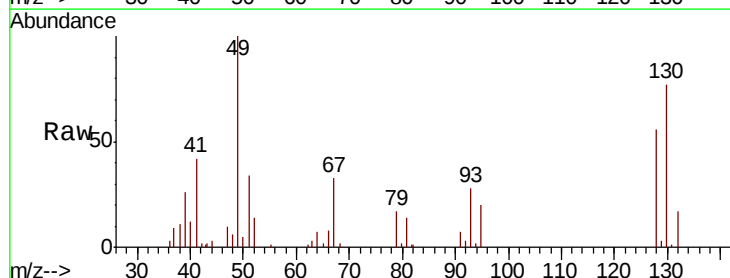
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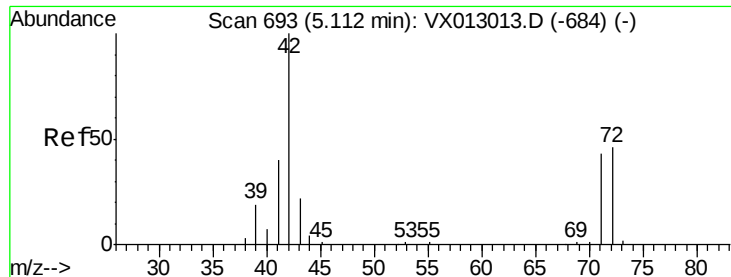


#28

Bromochloromethane
Concen: 19.418 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	20239		
129	1.7		0.0	4.2
130	79.9		62.1	93.1





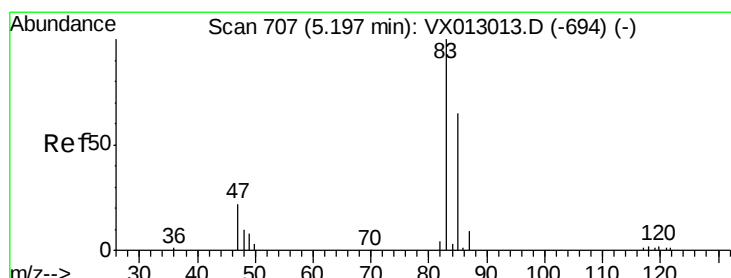
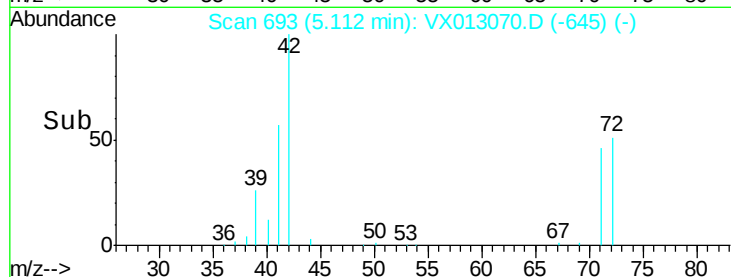
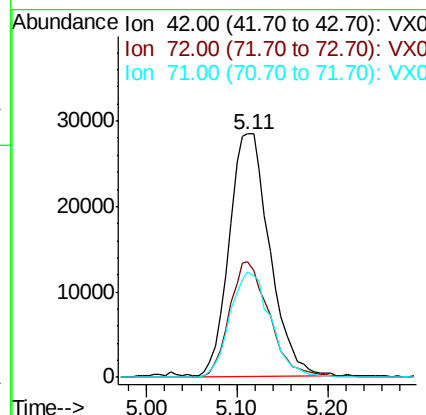
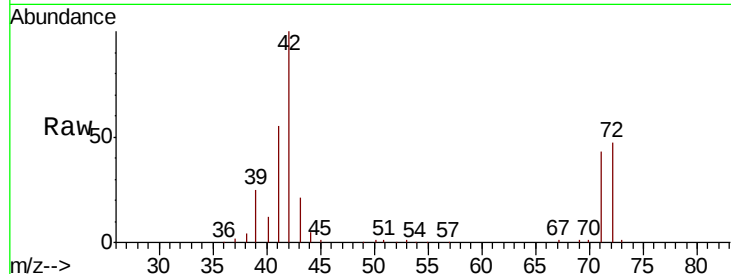
#29
Tetrahydrofuran
Concen: 88.081 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	36.9	55.3
71	44.0	33.5	50.3

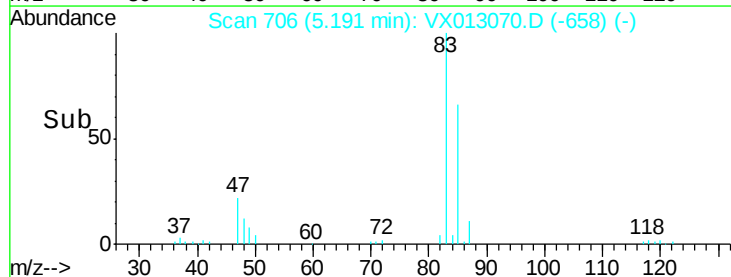
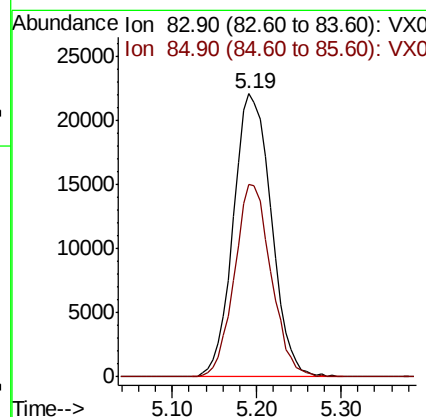
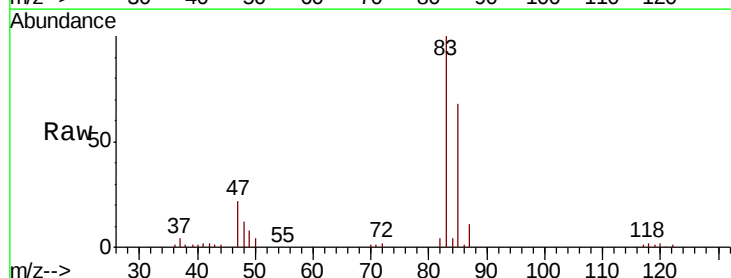
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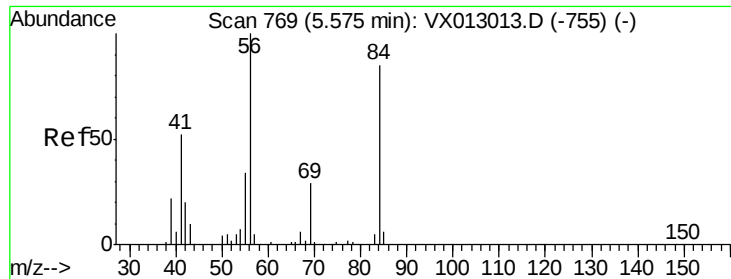
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#30
Chloroform
Concen: 19.126 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	51.5	77.3





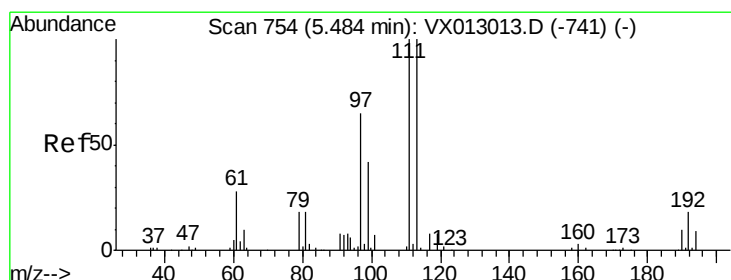
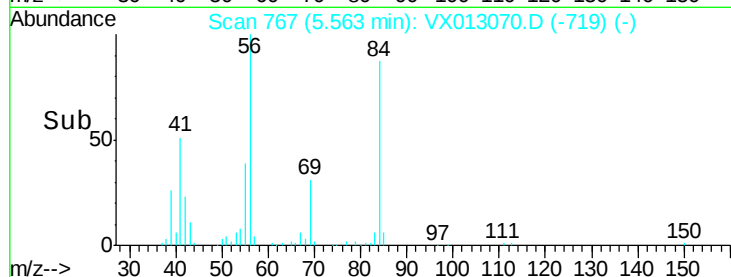
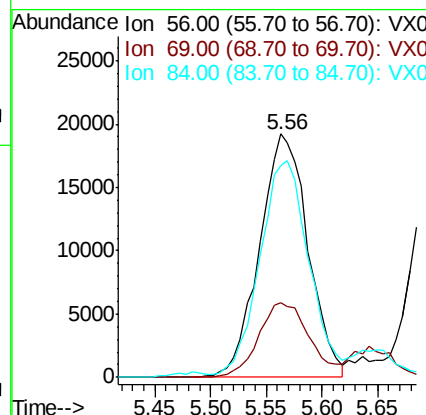
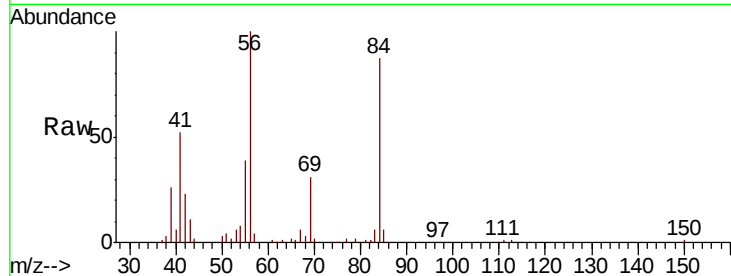
#31
Cyclohexane
Concen: 18.060 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	25.2	37.8
84	84.9	71.3	106.9

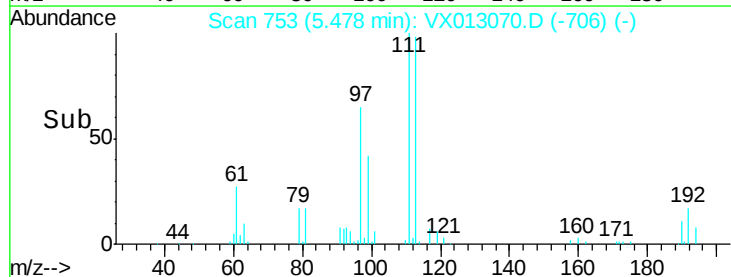
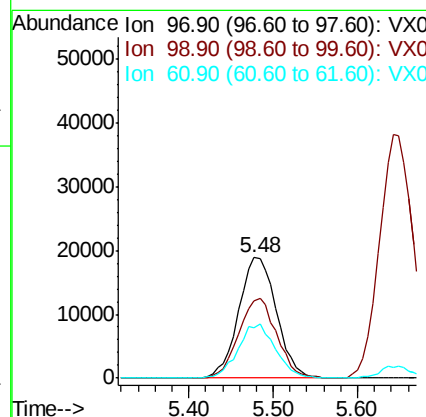
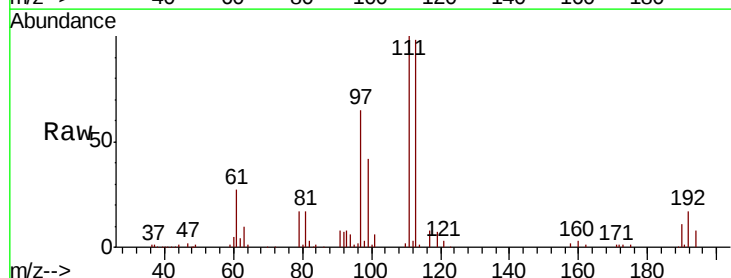
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#32
1,1,1-Trichloroethane
Concen: 19.171 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	52.3	78.5
61	44.2	35.0	52.4





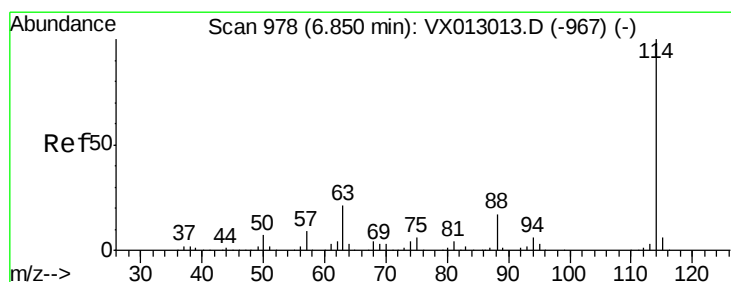
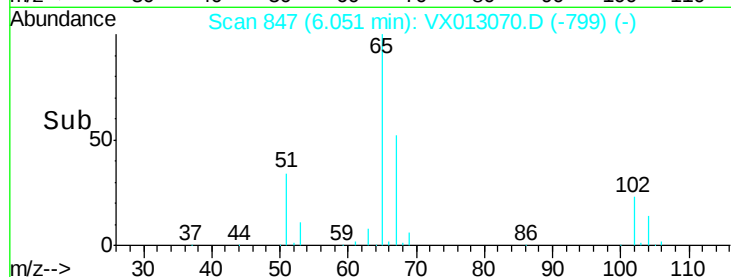
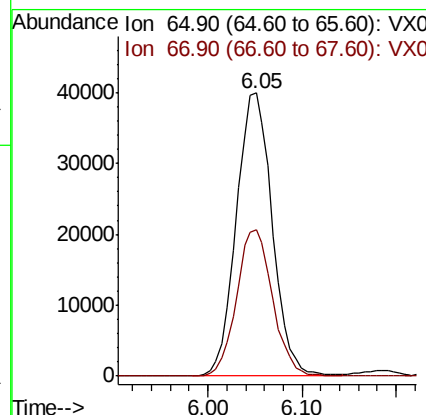
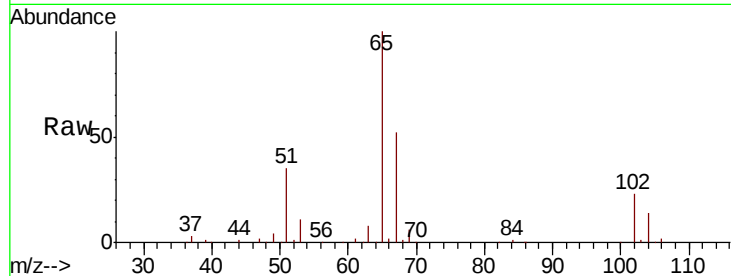
#33
 1,2-Dichloroethane-d4
 Concen: 48.092 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013070.D
 Acq: 15 Oct 2019 12:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1015WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	106560		
67	51.6	0.0	104.4	

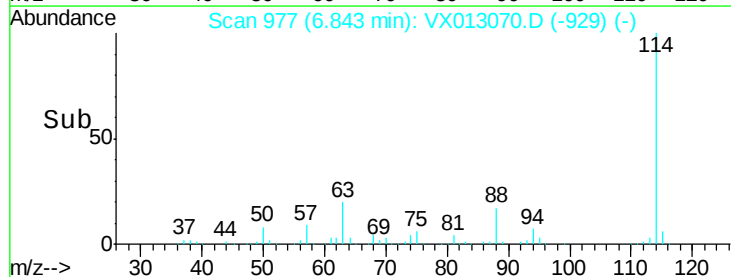
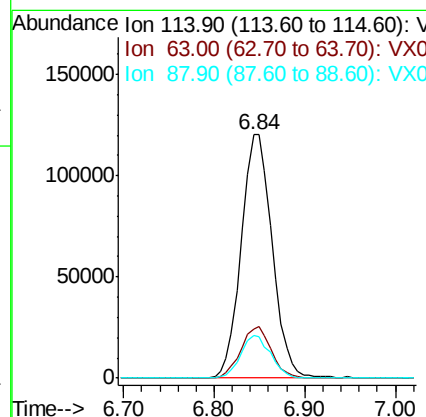
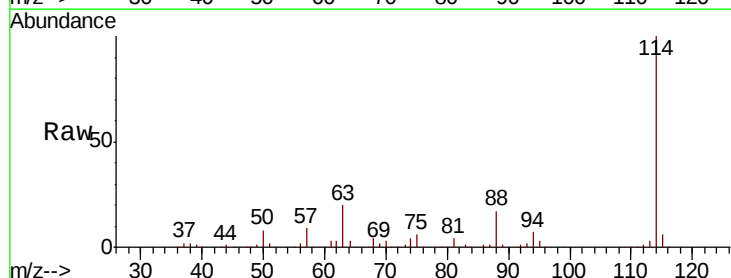
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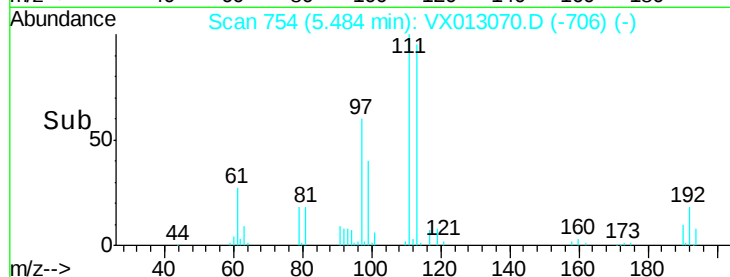
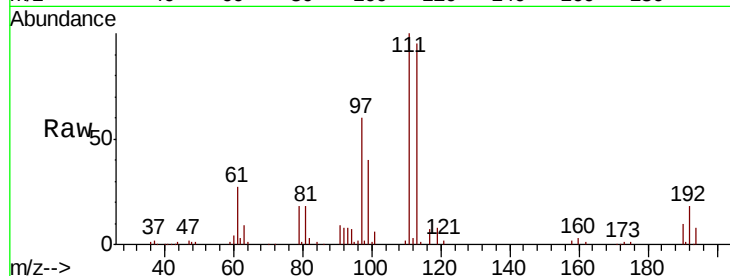
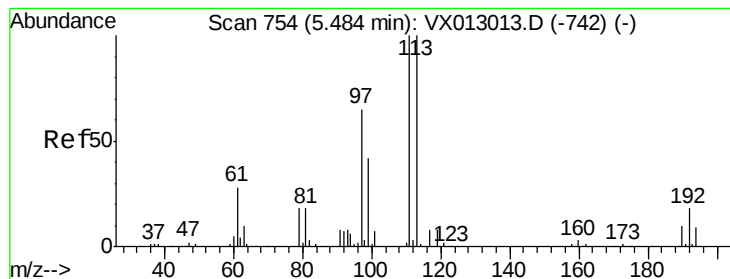
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX013070.D
 Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	285280		
63	20.3	0.0	40.8	
88	17.4	0.0	33.8	





#35

Dibromofluoromethane

Concen: 51.000 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Tot Ion:	113	Resp:	83505
Ion Ratio	Lower	Upper	
113	100		
111	103.1	83.2	124.8
192	19.7	15.4	23.2

Instrument :

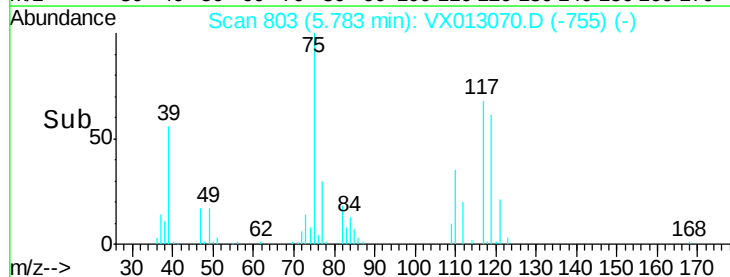
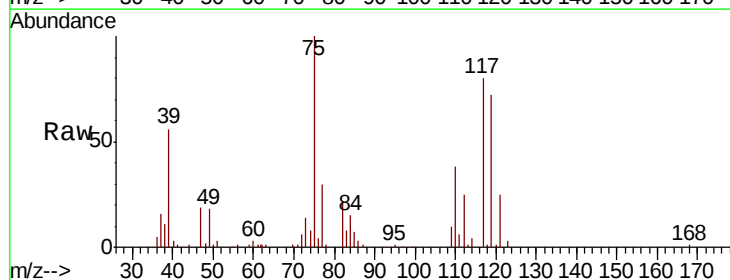
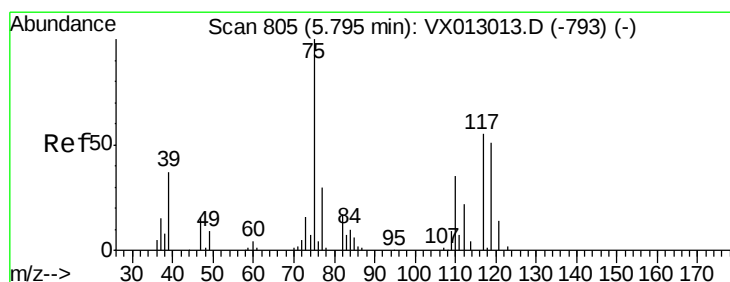
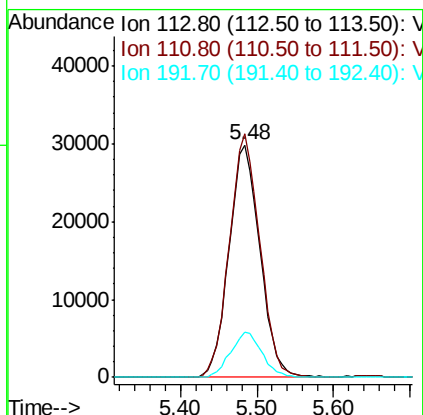
MSVOA_X

ClientSampleId :

VX1015WBS01

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#36

1,1-Dichloropropene

Concen: 19.597 ug/l

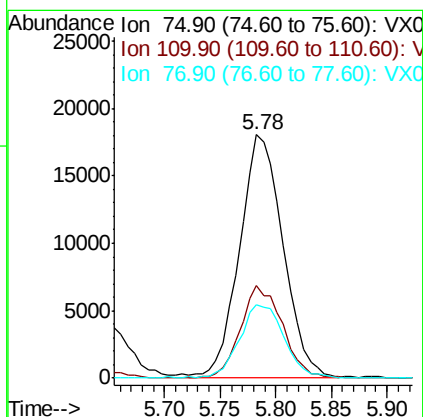
RT: 5.78 min Scan# 803

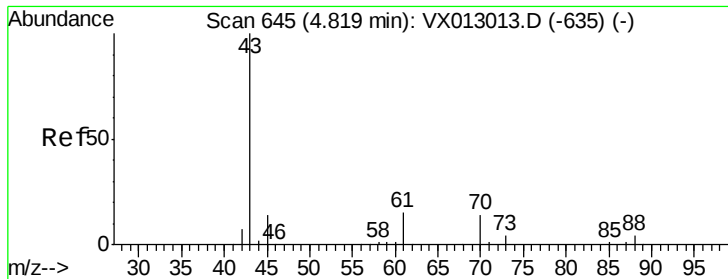
Delta R.T. -0.01 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Tgt Ion:	75	Resp:	49154
Ion Ratio	Lower	Upper	
75	100		
110	36.8	17.6	52.9
77	30.9	24.4	36.6





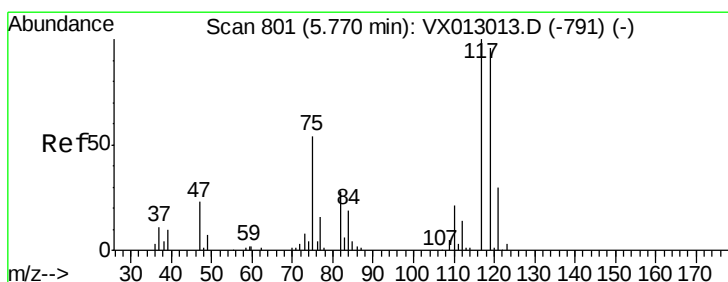
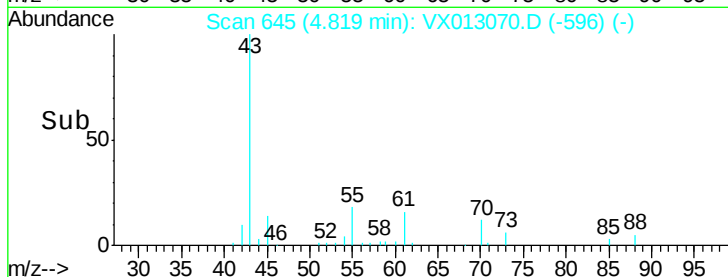
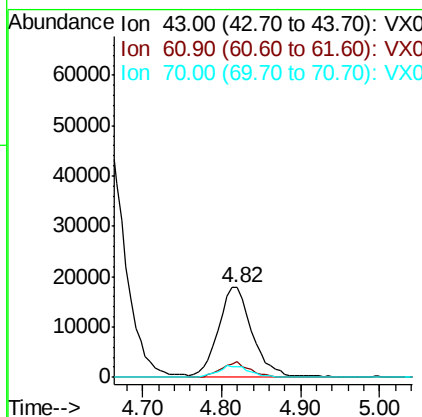
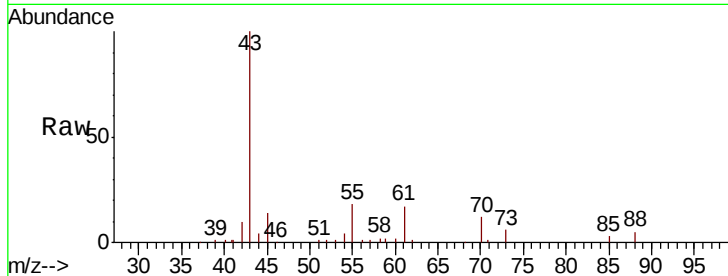
#37
Ethyl Acetate
Concen: 18.705 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion:	43	Resp:	52460
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.4	17.0
70	12.4	9.8	14.6

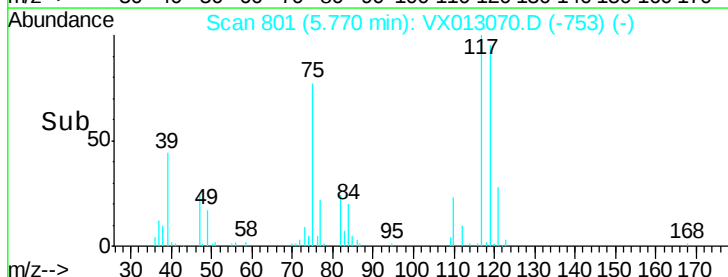
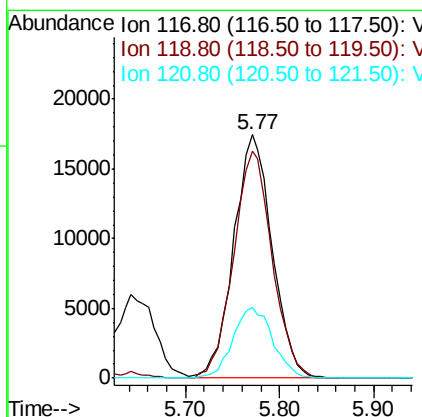
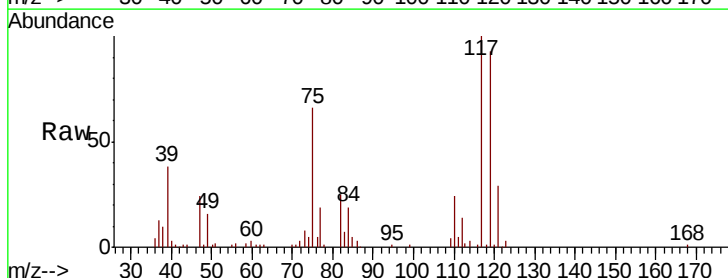
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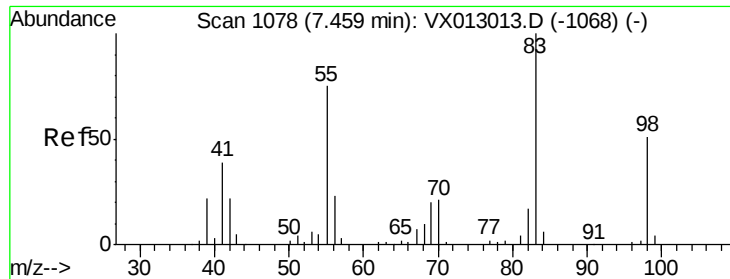
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#38
Carbon Tetrachloride
Concen: 20.366 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion:	117	Resp:	49720
Ion	Ratio	Lower	Upper
117	100		
119	93.4	74.5	111.7
121	28.9	24.2	36.4





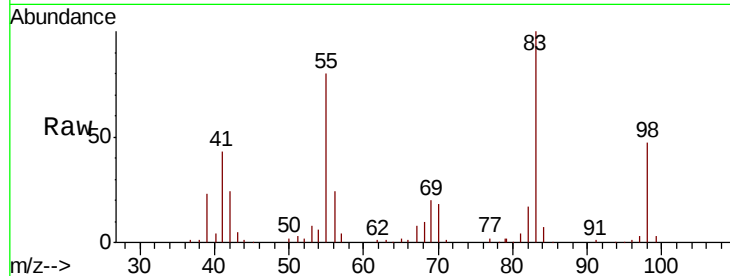
#39
Methvlcvclohexane
Concen: 19.929 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

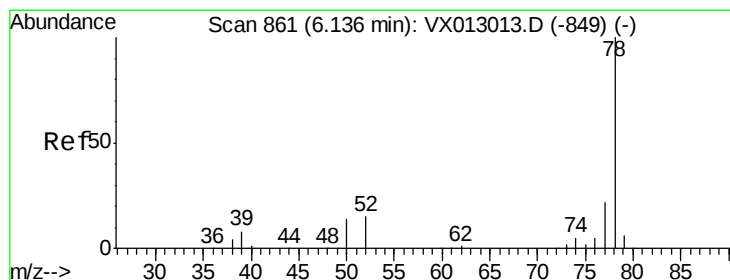
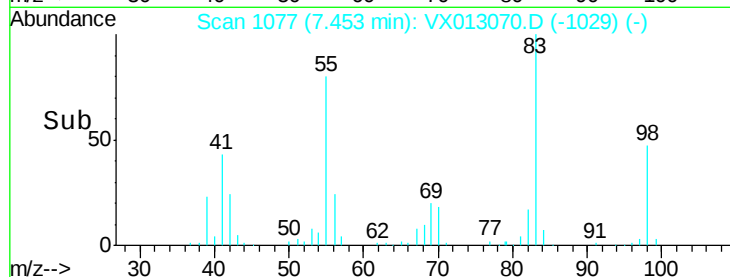
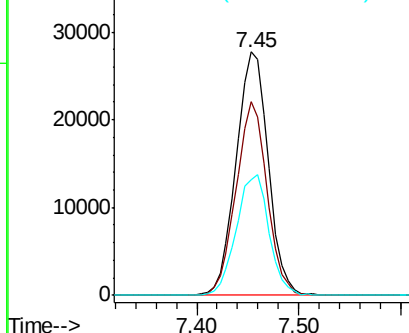
Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	60.2	90.4
98	47.3	38.5	57.7

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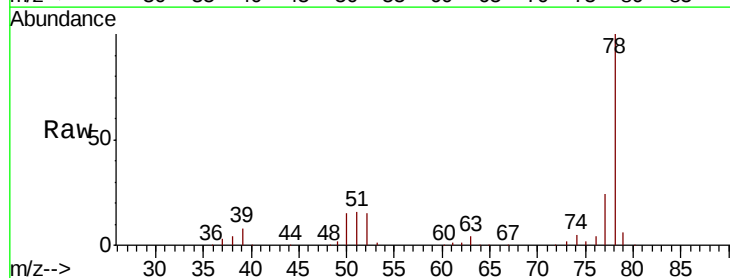


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

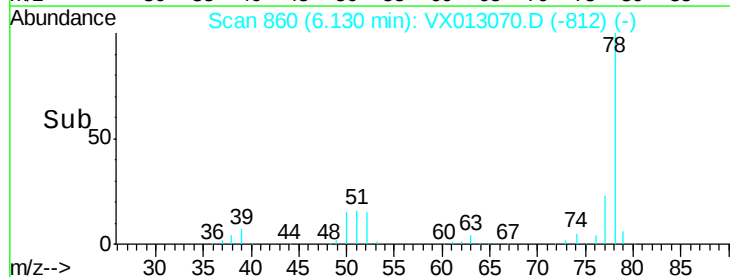
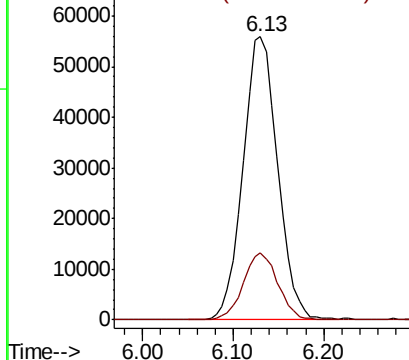


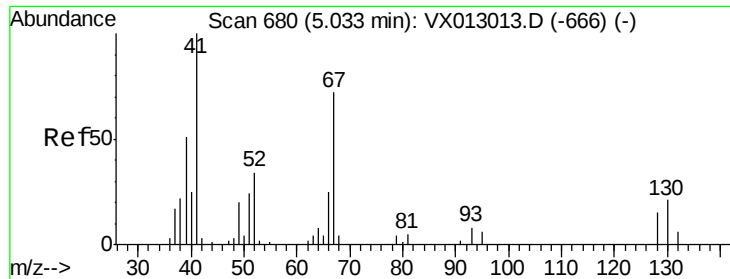
#40
Benzene
Concen: 19.986 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 18.686 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.00 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

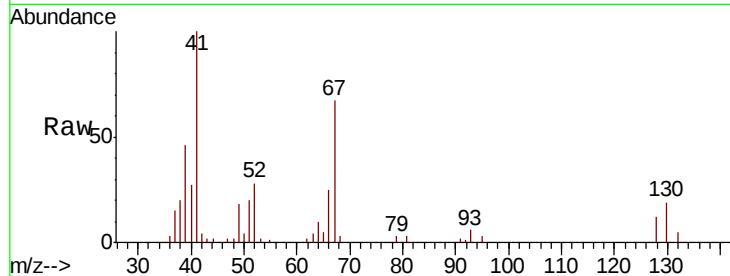
VX1015WBS01

Tot Ion: 41 Resp: 28797

Ion	Ratio	Lower	Upper
41	100		
39	56.7	44.0	66.0
67	75.1	58.5	87.7
52	31.3	23.8	35.8

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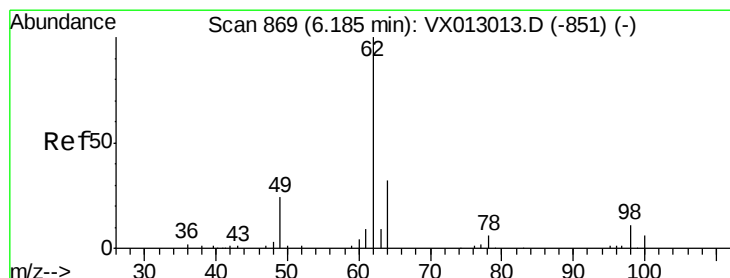
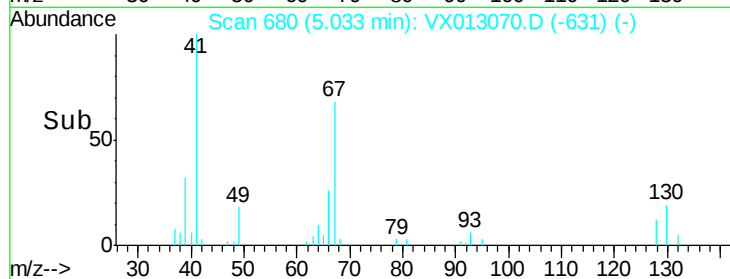
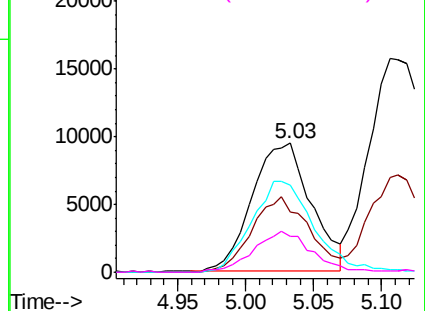
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.447 ug/l

RT: 6.18 min Scan# 868

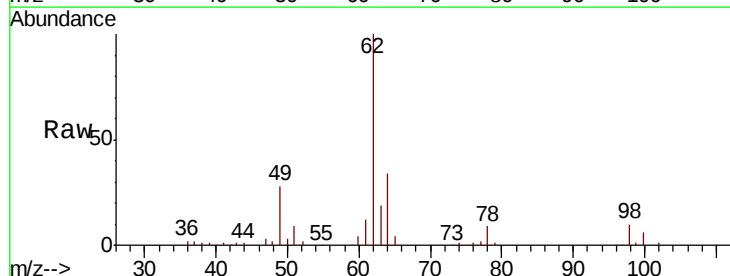
Delta R.T. -0.01 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Tgt Ion: 62 Resp: 54351

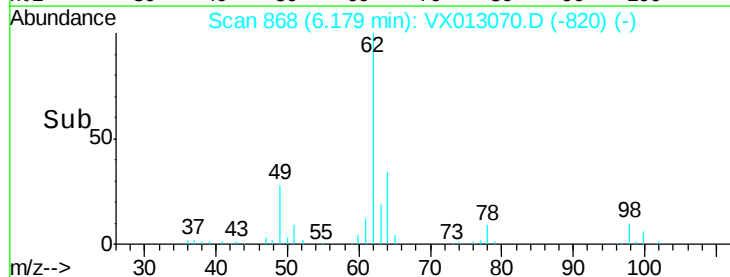
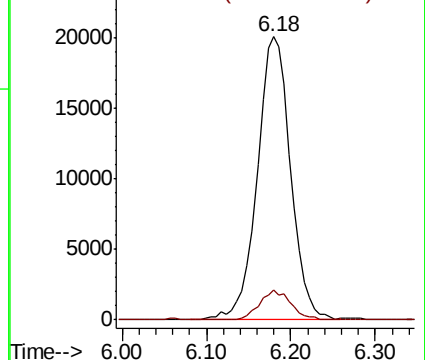
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.4

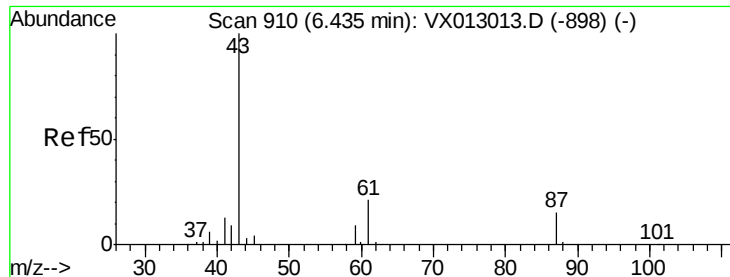


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

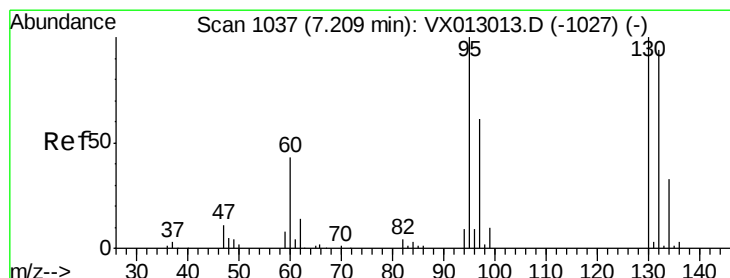
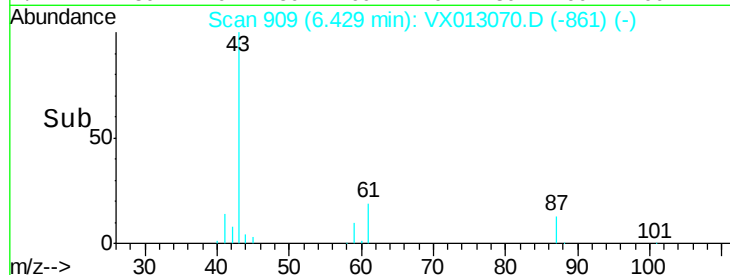
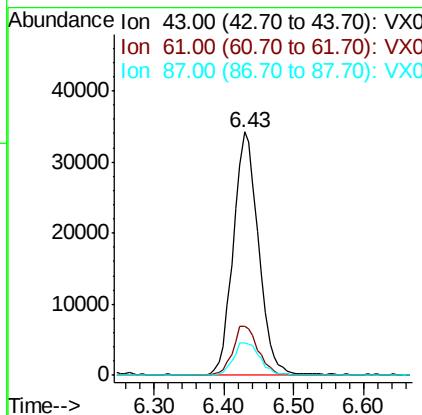
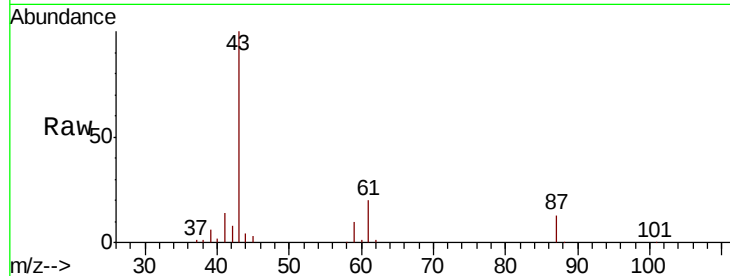
Isopropyl Acetate
 Concen: 19.198 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX013070.D
 Acq: 15 Oct 2019 12:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1015WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.6	24.8
87	14.0	11.0	16.6

Manual Integrations
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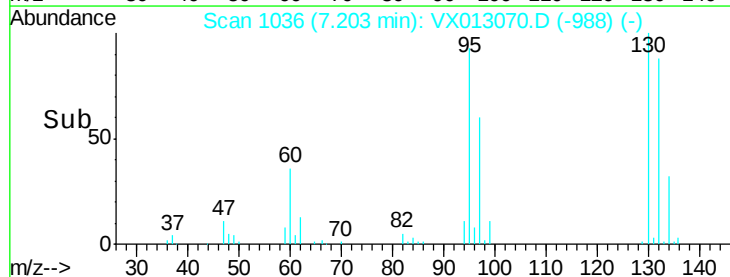
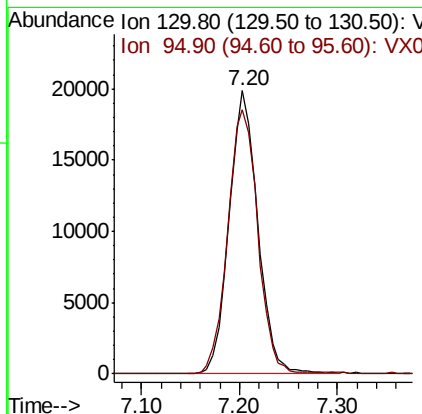
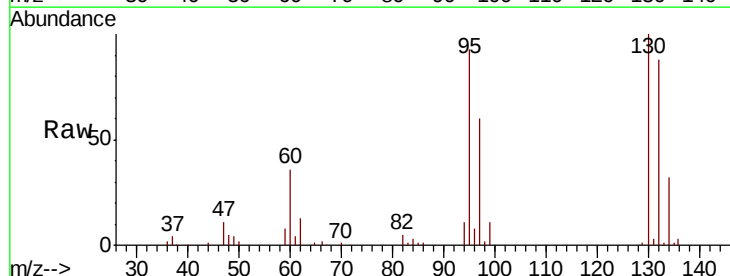
MMDadoda
 10/16/2019 9:58:03 AM

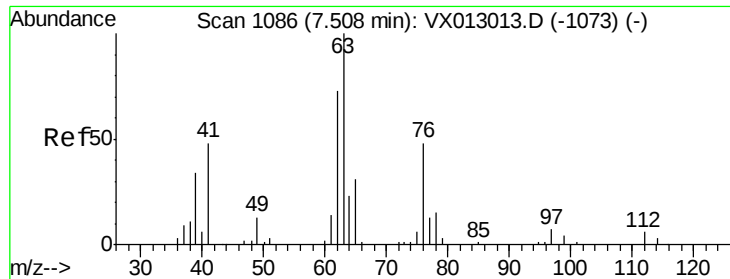


#44

Trichloroethene
 Concen: 19.668 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX013070.D
 Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	189.2





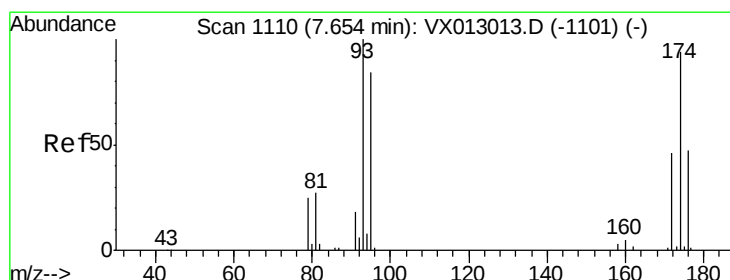
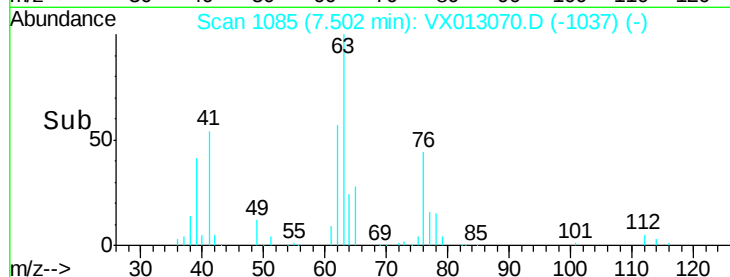
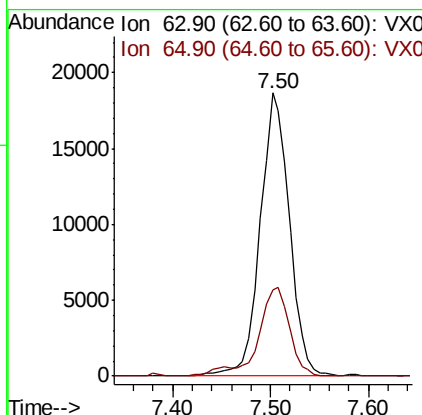
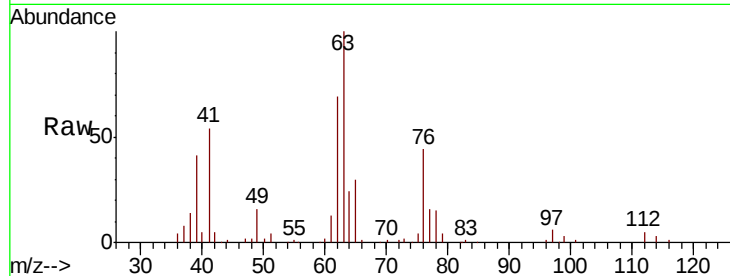
#45
 1,2-Dichloropropane
 Concen: 20.452 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013070.D
 Acq: 15 Oct 2019 12:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1015WBS01

Tot Ion: 63 Resp: 38614
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 37.0

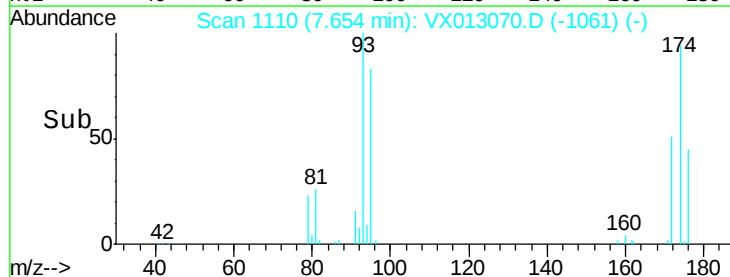
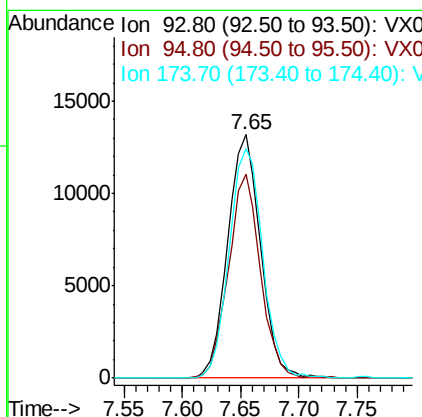
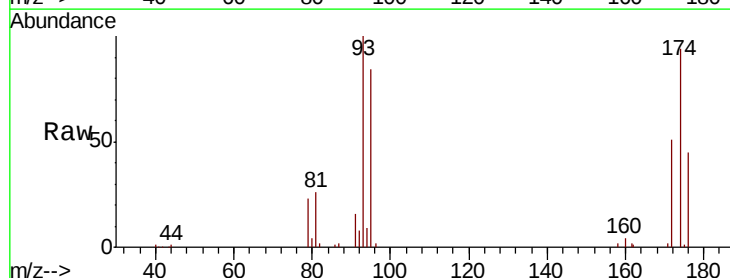
Manual Integrations
 APPROVED

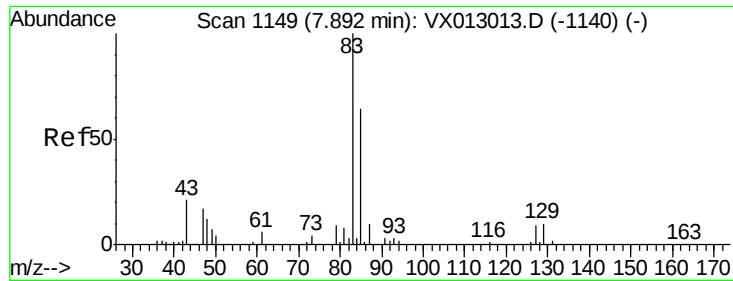
MMDadoda
 10/16/2019 9:58:03 AM



#46
 Dibromomethane
 Concen: 20.546 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX013070.D
 Acq: 15 Oct 2019 12:11

Tgt Ion: 93 Resp: 25845
 Ion Ratio Lower Upper
 93 100
 95 81.3 66.3 99.5
 174 96.4 77.8 116.6





#47

Bromodichloromethane

Concen: 20.068 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

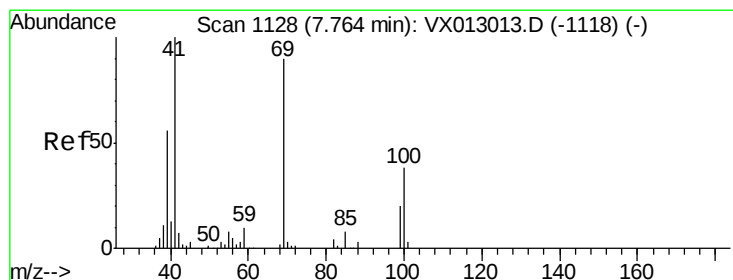
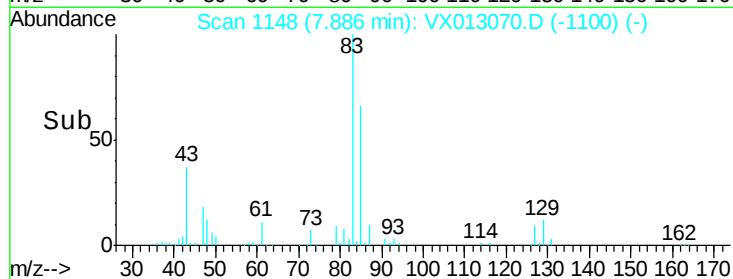
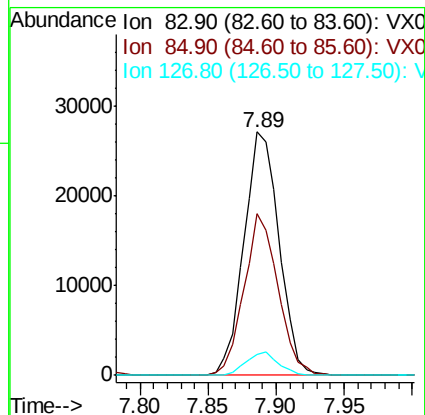
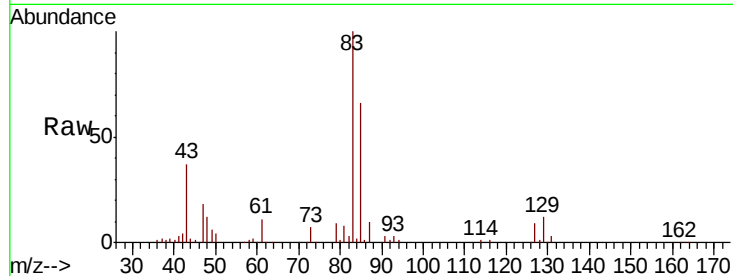
ClientSampleId :

VX1015WBS01

Tot Ion:	83	Resp:	49264
Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.4	78.6
127	8.5	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
10/16/2019 9:58:03 AM



#48

Methyl methacrylate

Concen: 18.256 ug/l

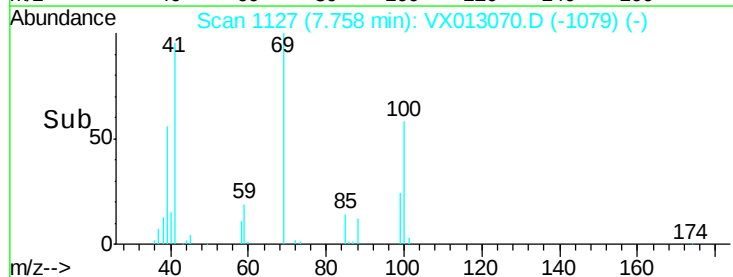
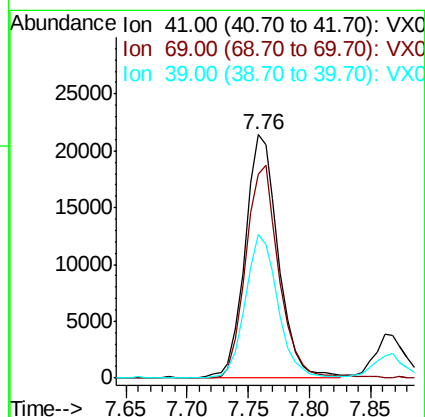
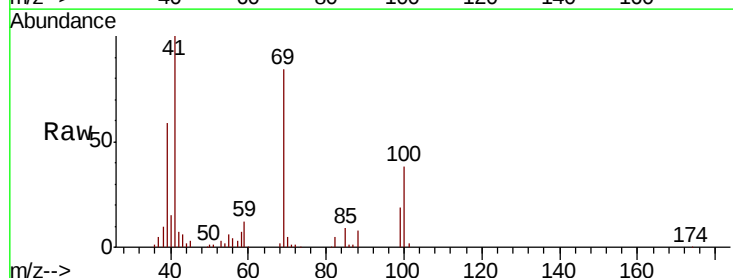
RT: 7.76 min Scan# 1127

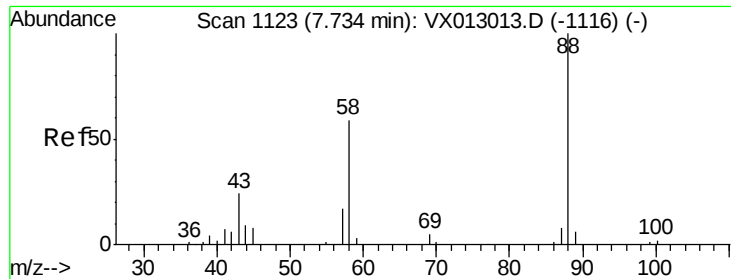
Delta R.T. -0.01 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Tgt Ion:	41	Resp:	40047
Ion	Ratio	Lower	Upper
41	100		
69	88.3	68.7	103.1
39	58.4	44.3	66.5





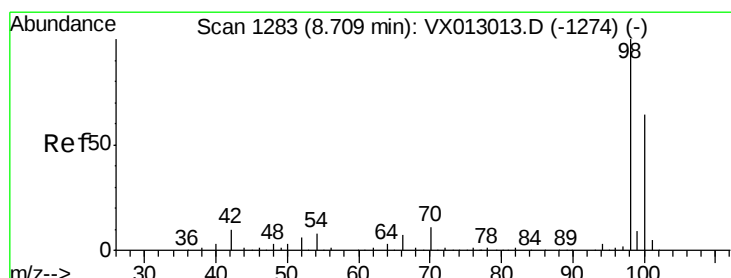
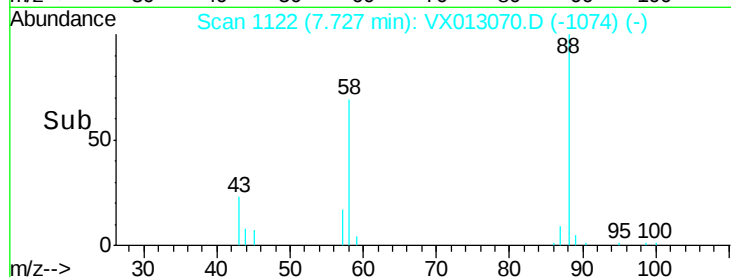
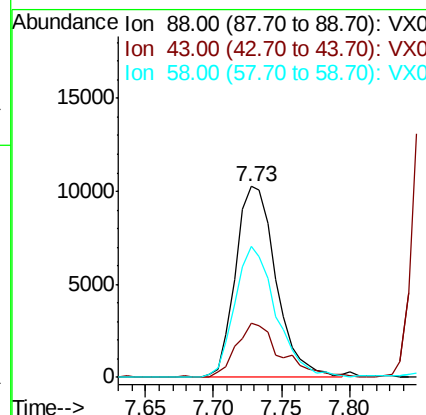
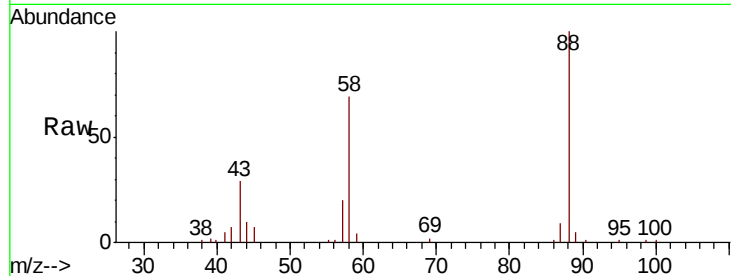
#49
1,4-Dioxane
Concen: 384.954 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	25.0	37.6
58	69.7	55.4	83.2

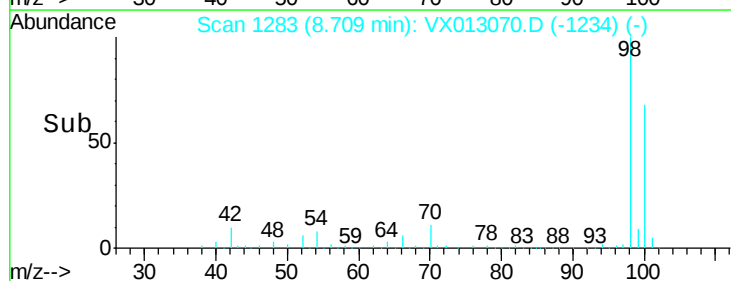
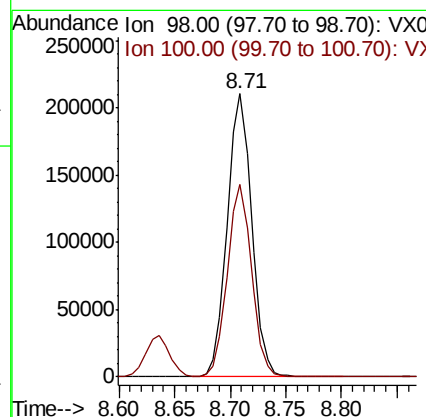
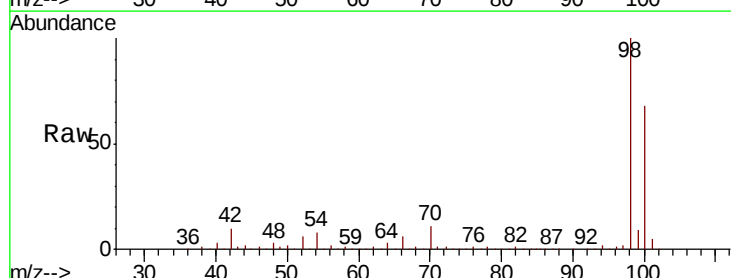
Manual Integrations
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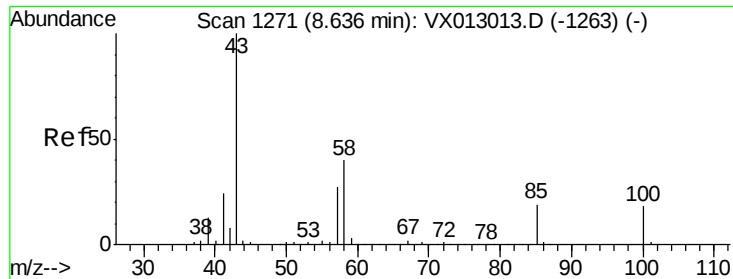
MMDadoda
10/16/2019 9:58:03 AM



#50
Toluene-d8
Concen: 50.408 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 96.009 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

VX1015WBS01

Tot Ion: 43 Resp: 269460

Ion Ratio Lower Upper

43 100

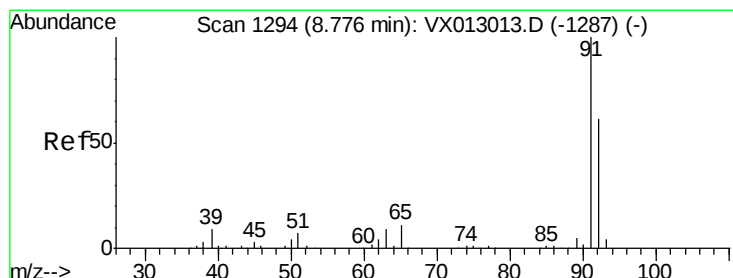
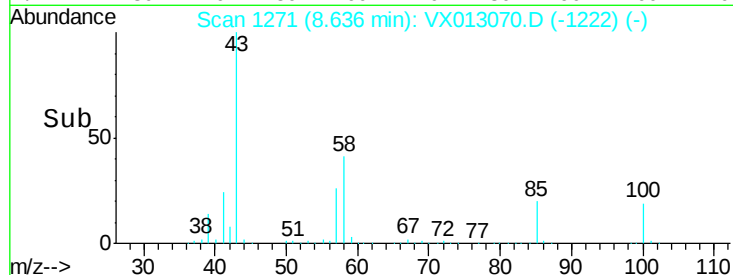
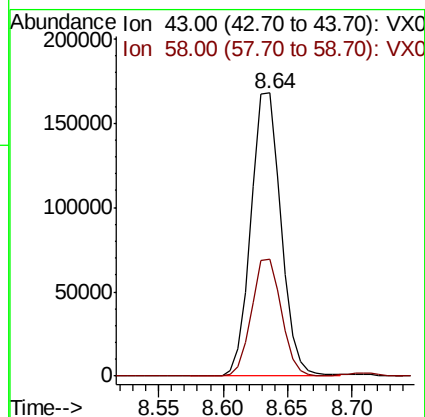
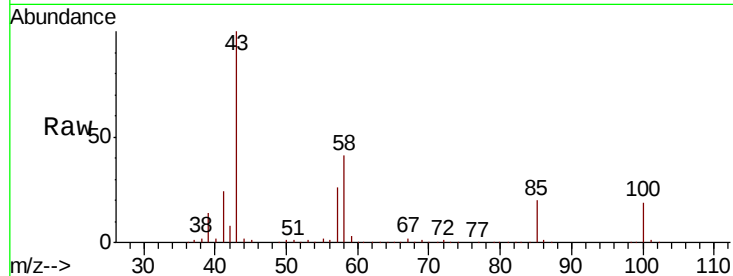
58 41.2 32.4 48.6

Manual Integrations

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MMDadoda

10/16/2019 9:58:03 AM



#52

Toluene

Concen: 20.280 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013070.D

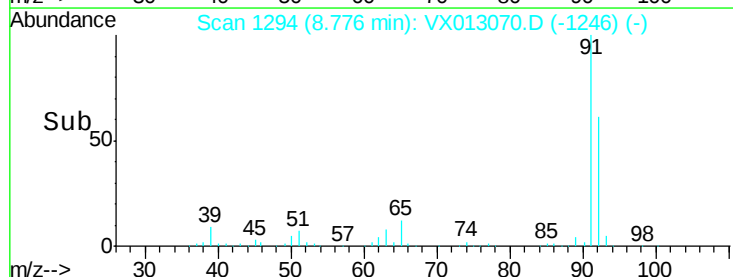
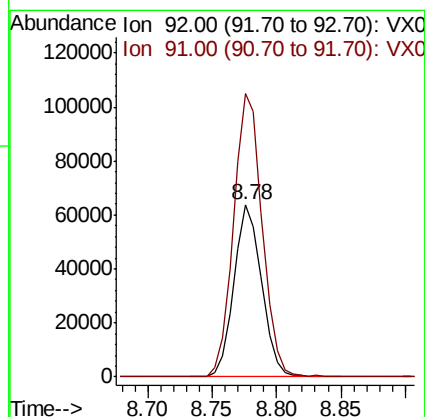
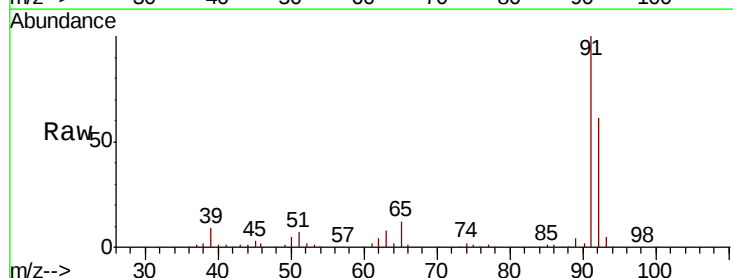
Acq: 15 Oct 2019 12:11

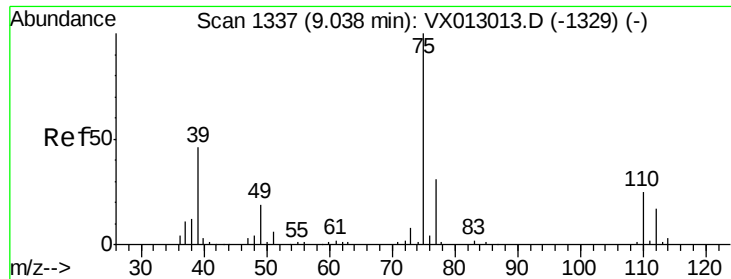
Tgt Ion: 92 Resp: 96113

Ion Ratio Lower Upper

92 100

91 169.8 135.9 203.9





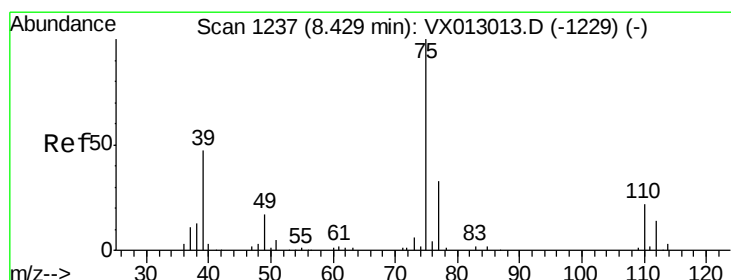
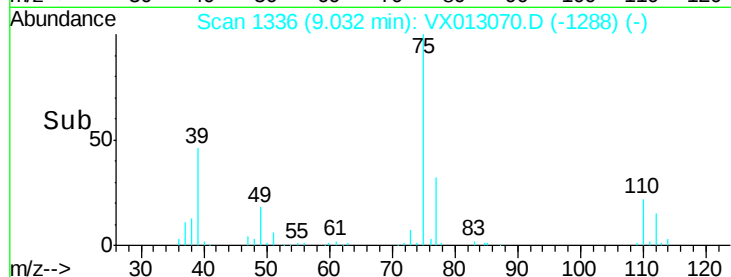
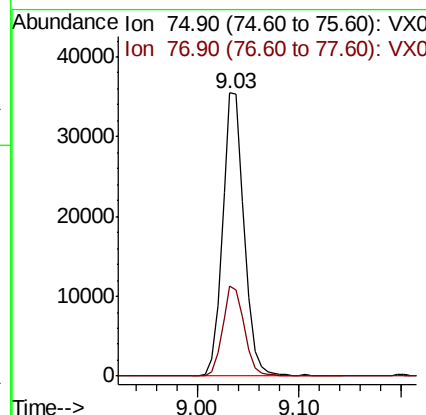
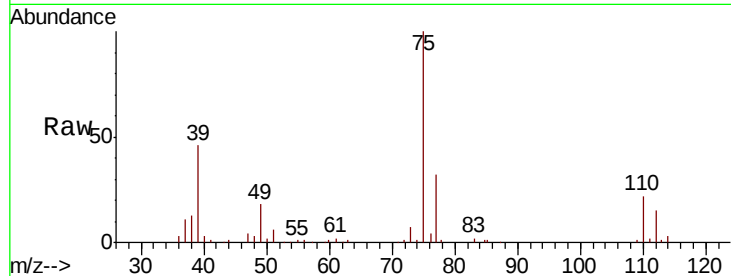
#53
t-1,3-Dichloropropene
Concen: 18.555 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion: 75 Resp: 52476
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.6

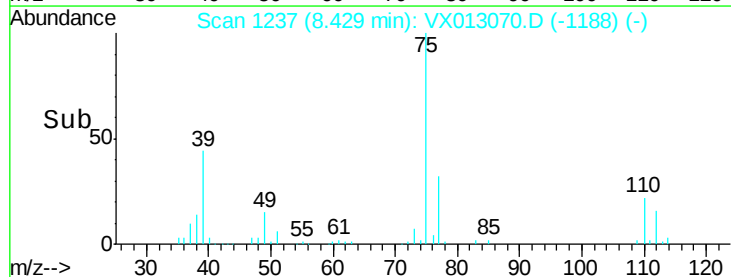
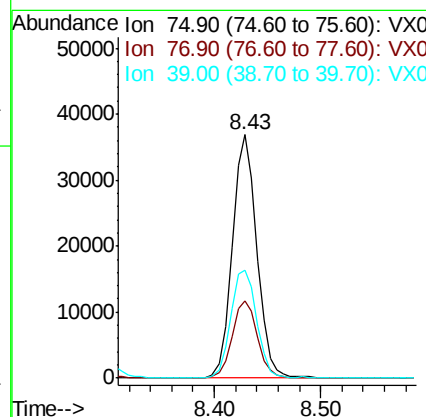
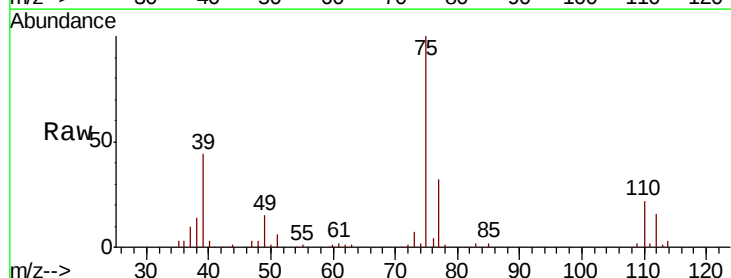
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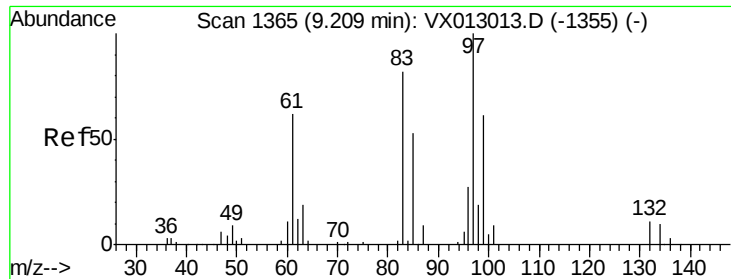
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#54
cis-1,3-Dichloropropene
Concen: 19.690 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion: 75 Resp: 59448
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8
39 44.4 38.2 57.2





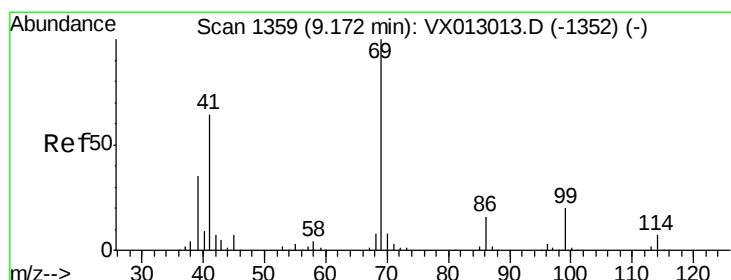
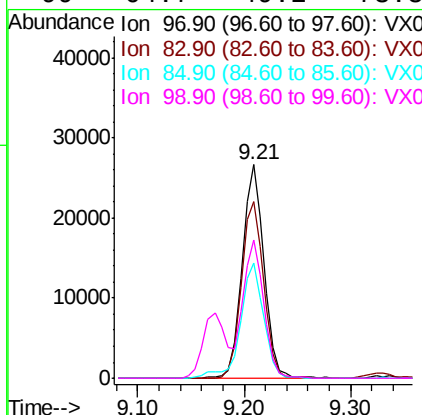
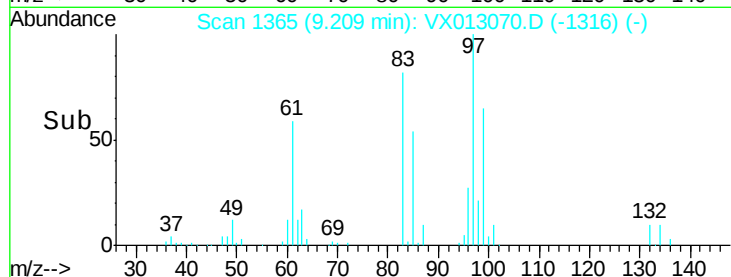
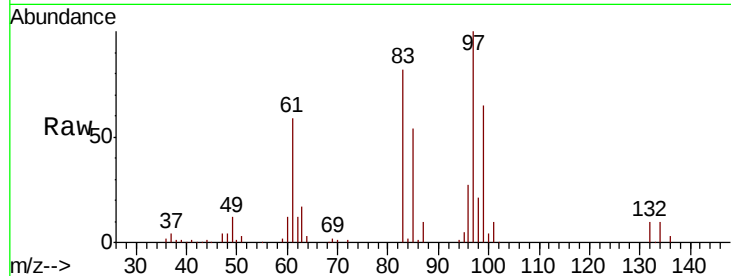
#55
1,1,2-Trichloroethane
Concen: 20.371 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		38206		
83	82.5	66.5	99.7		
85	54.2	43.1	64.7		
99	64.7	49.2	73.8		

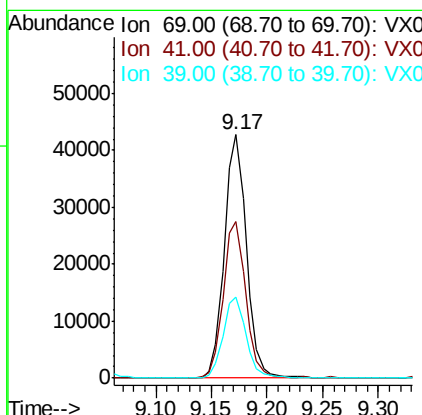
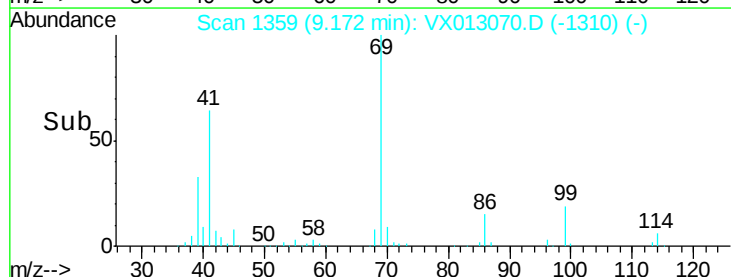
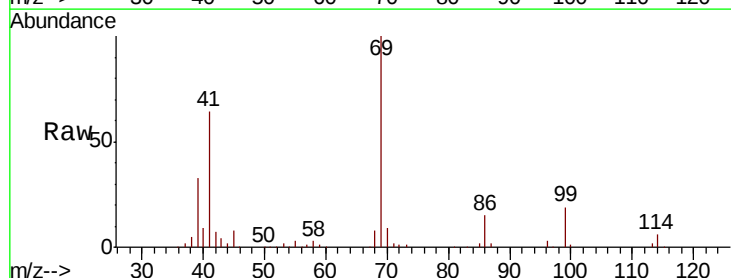
Manual Integrations
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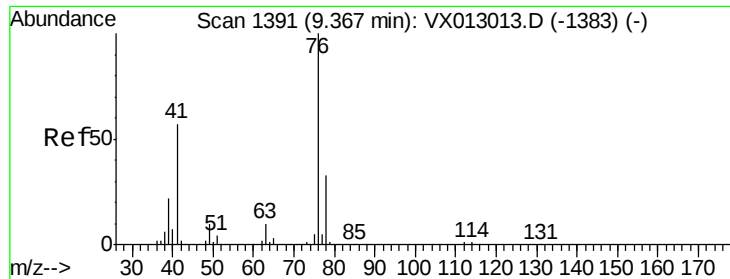
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#56
Ethyl methacrylate
Concen: 18.752 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		58989		
41	65.4	52.1	78.1		
39	34.8	27.8	41.8		





#57

1,3-Dichloropropane

Concen: 19.952 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

VX1015WBS01

Tot Ion: 76 Resp: 64731

Ion Ratio Lower Upper

76 100

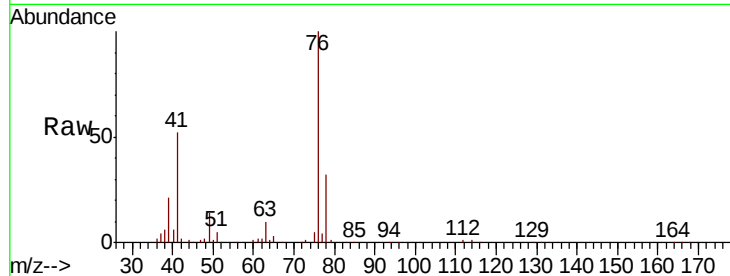
78 32.5 26.1 39.1

Manual Integrations

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MMDadoda

10/16/2019 9:58:03 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

40000

30000

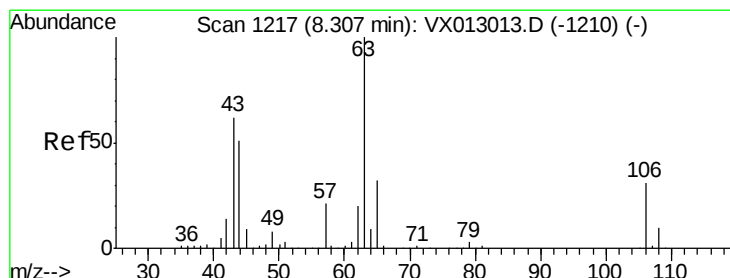
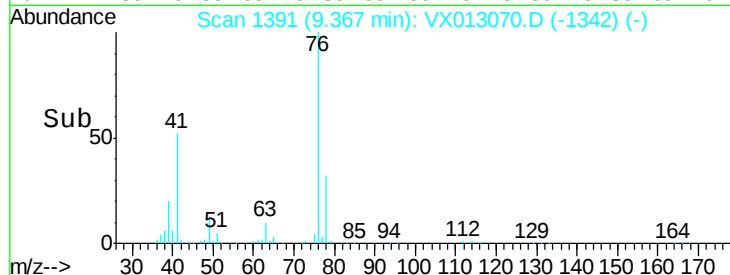
20000

10000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 99.635 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013070.D

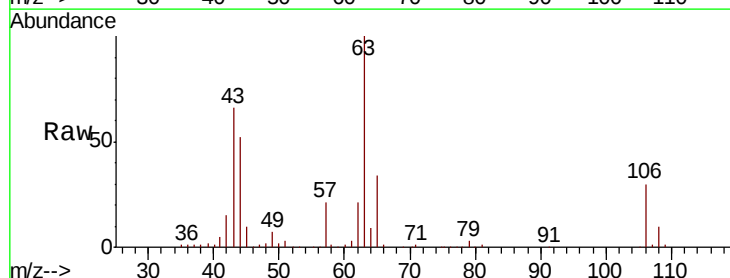
Acq: 15 Oct 2019 12:11

Tgt Ion: 63 Resp: 137279

Ion Ratio Lower Upper

63 100

106 30.2 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

100000

80000

60000

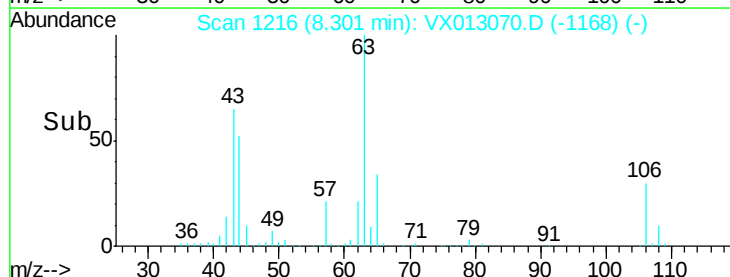
40000

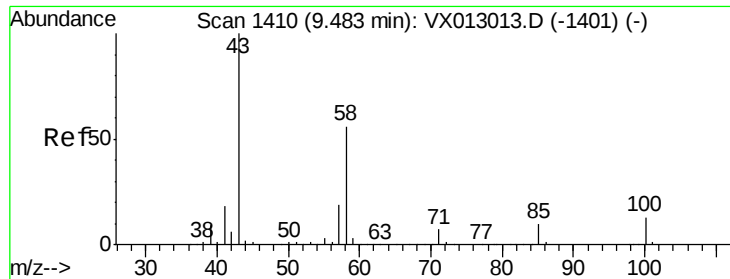
20000

0

8.20 8.30 8.40

Time-->





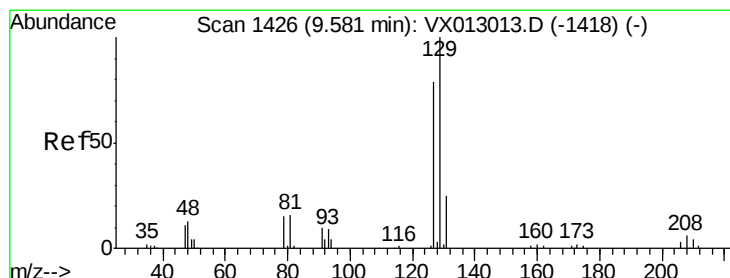
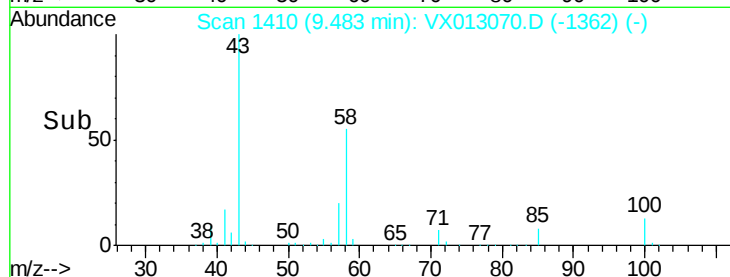
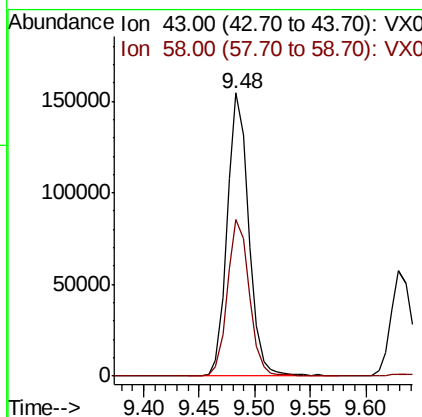
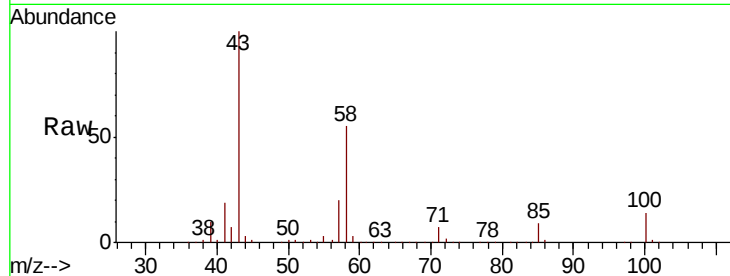
#59
2-Hexanone
Concen: 94.109 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.7	28.1	84.3

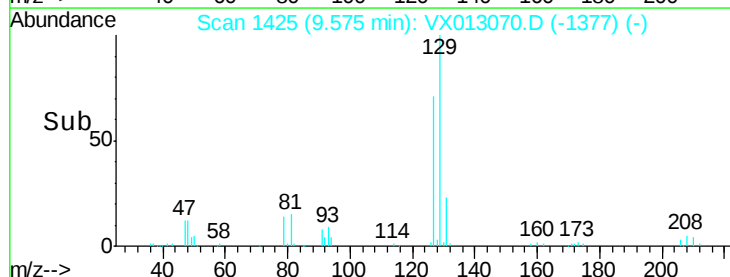
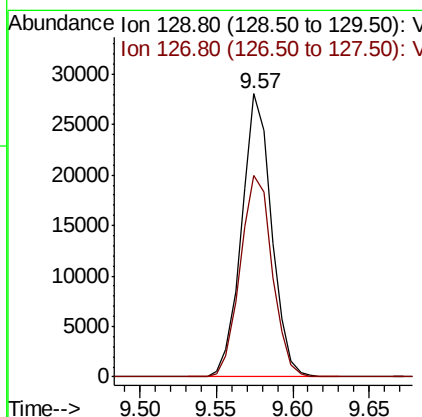
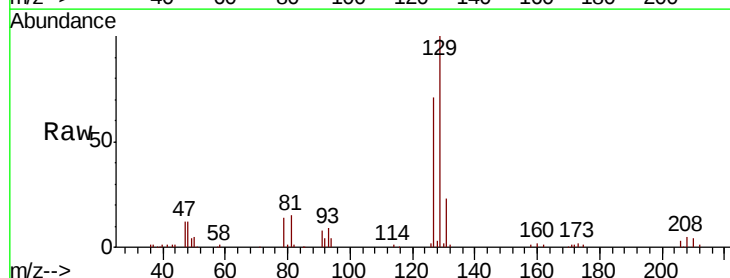
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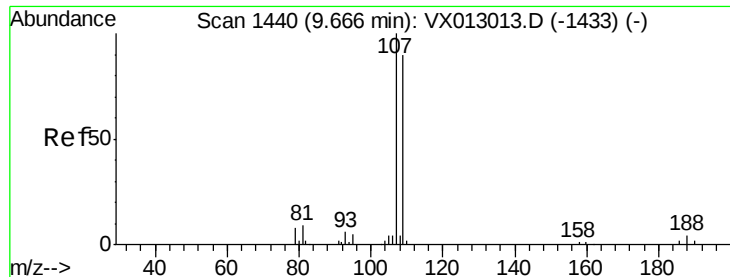
MMDadoda
10/16/2019 9:58:03 AM



#60
Dibromochloromethane
Concen: 19.422 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.9	116.7





#61

1,2-Dibromoethane

Concen: 20.375 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

VX1015WBS01

Tot Ion: 107 Resp: 40200

Ion Ratio Lower Upper

107 100

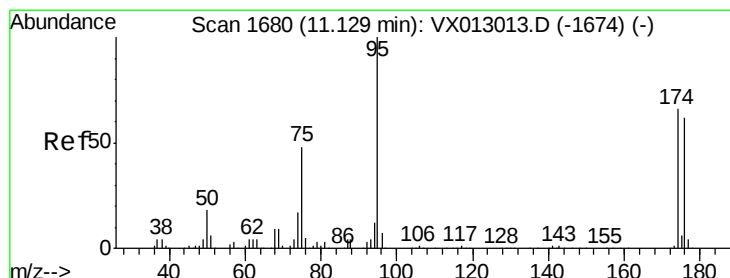
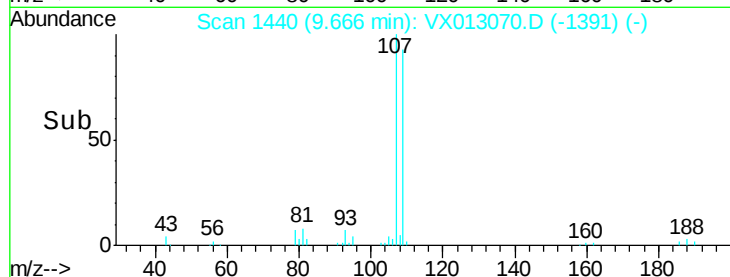
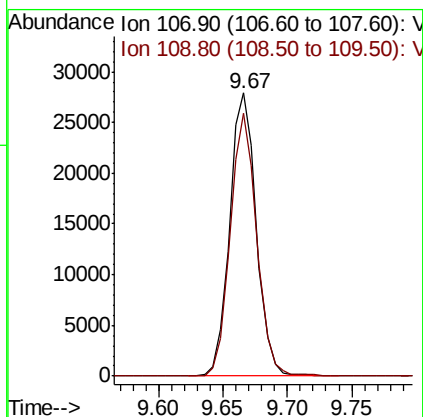
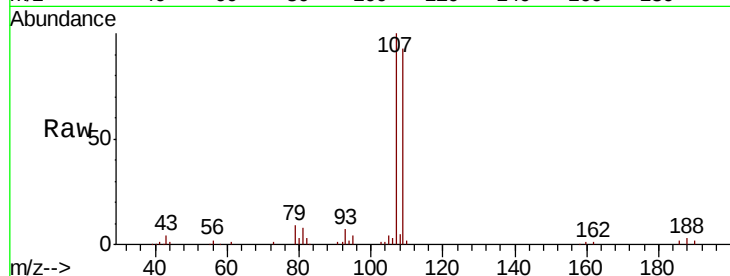
109 92.5 75.8 113.6

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#62

4-Bromofluorobenzene

Concen: 49.387 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

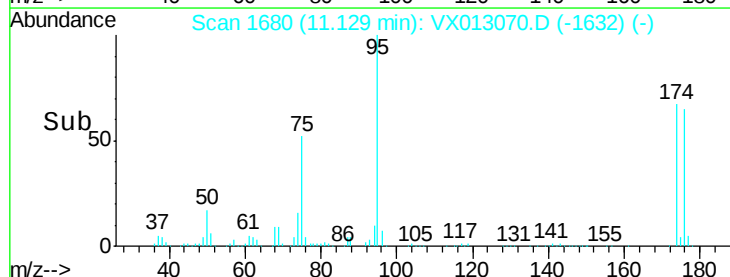
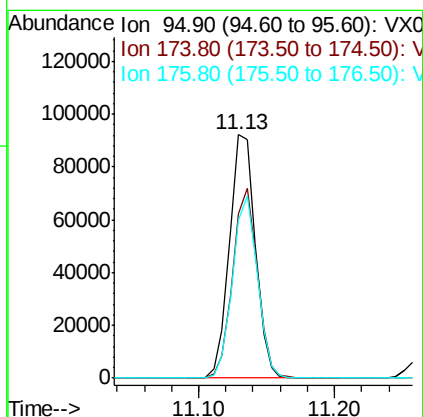
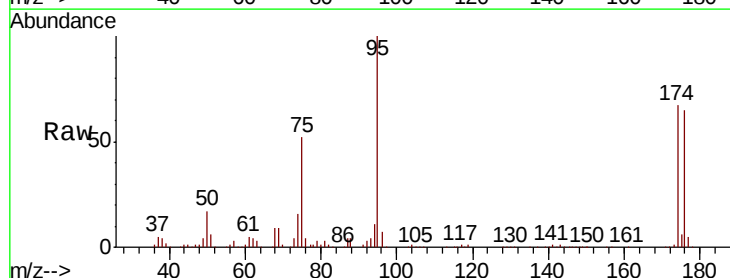
Tgt Ion: 95 Resp: 122548

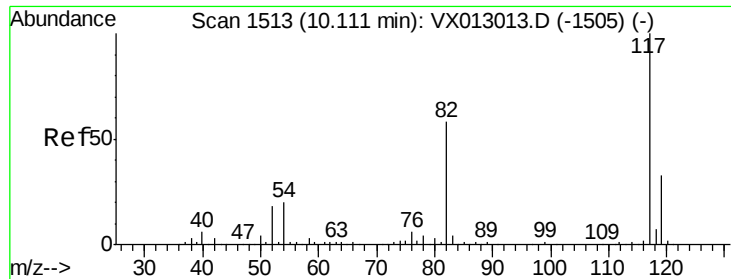
Ion Ratio Lower Upper

95 100

174 74.4 0.0 143.4

176 71.9 0.0 136.0





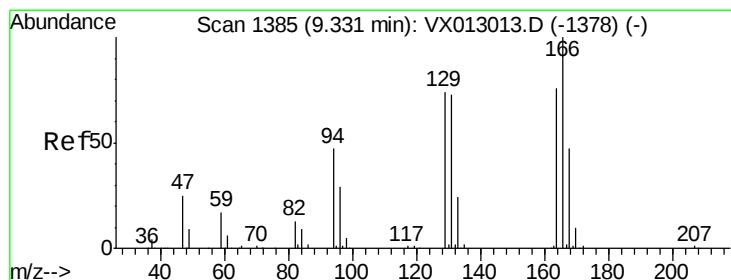
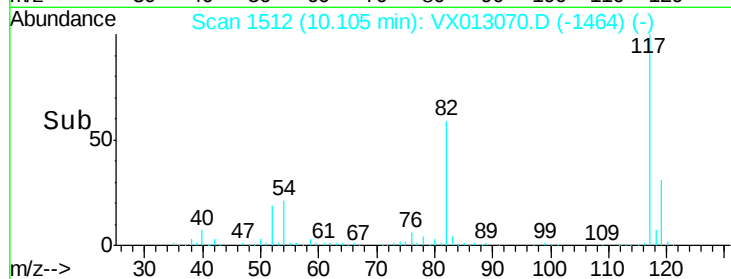
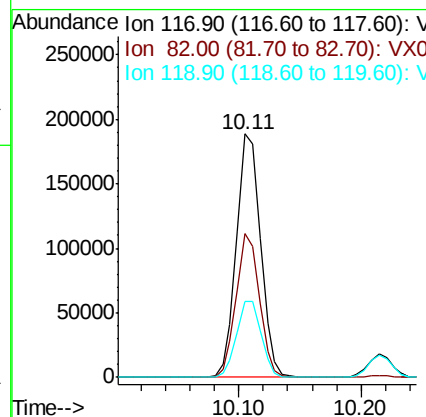
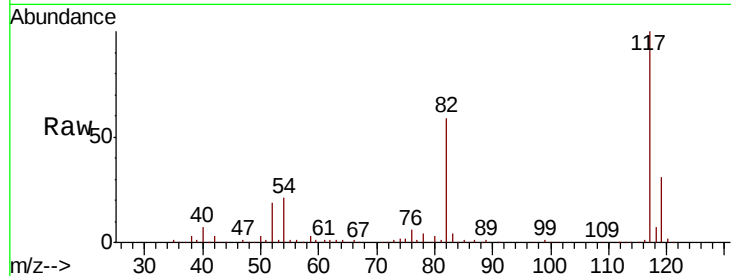
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	44.1	66.1
119	31.1	25.8	38.8

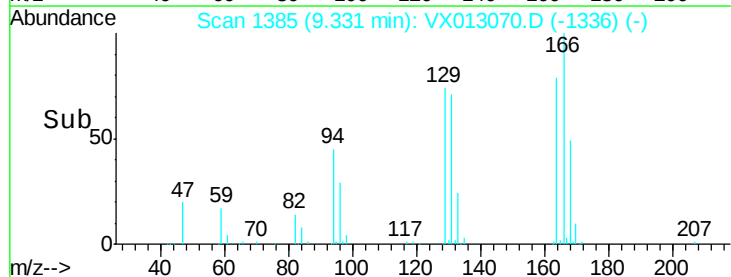
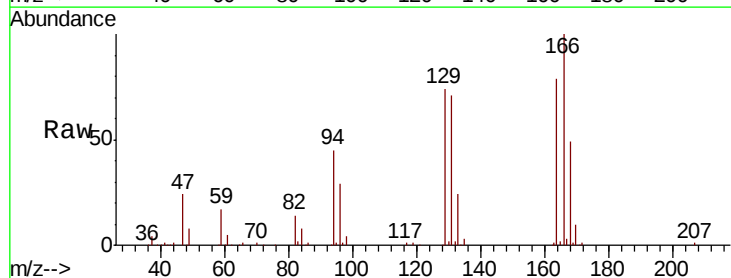
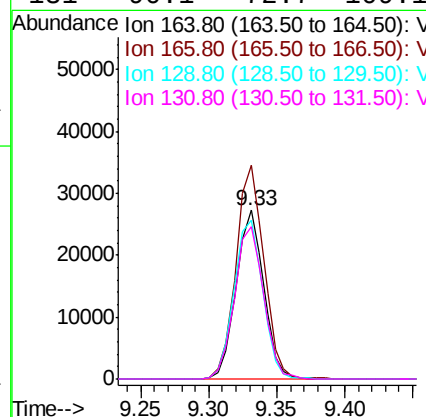
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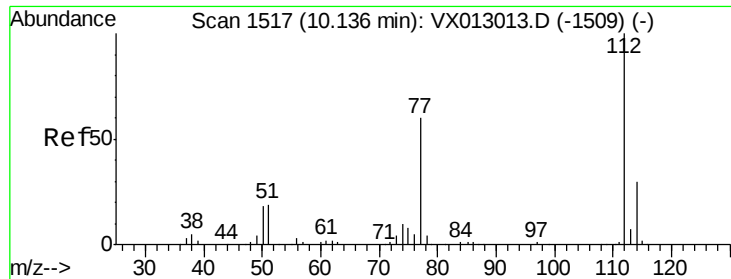
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#64
Tetrachloroethene
Concen: 21.523 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	96.9	145.3
129	94.0	77.9	116.9
131	90.1	72.7	109.1





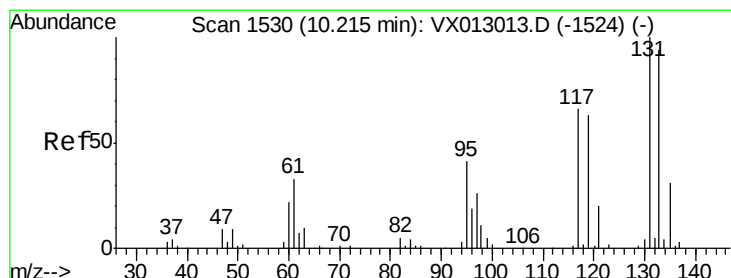
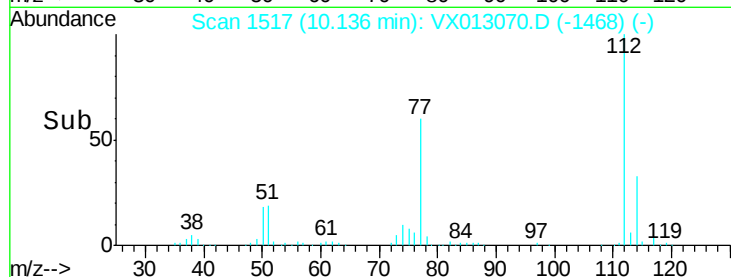
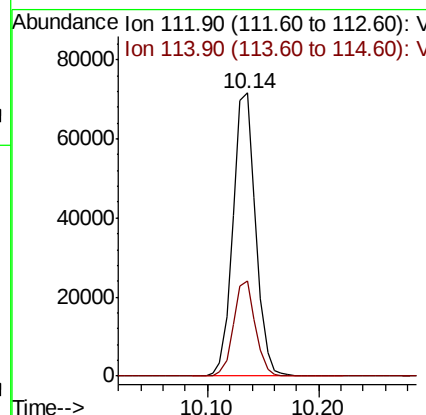
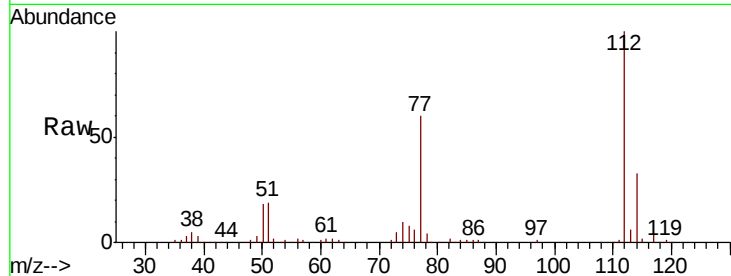
#65
Chlorobenzene
Concen: 19.649 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion:112 Resp: 100567
Ion Ratio Lower Upper
112 100
114 33.5 25.7 38.5

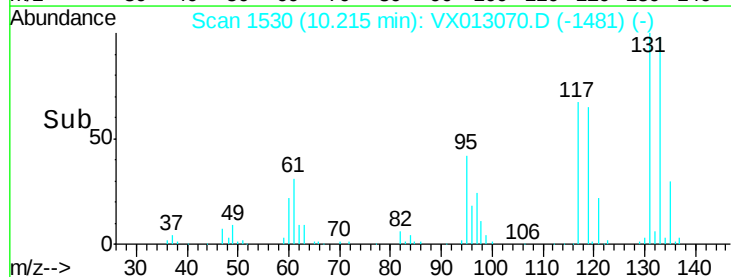
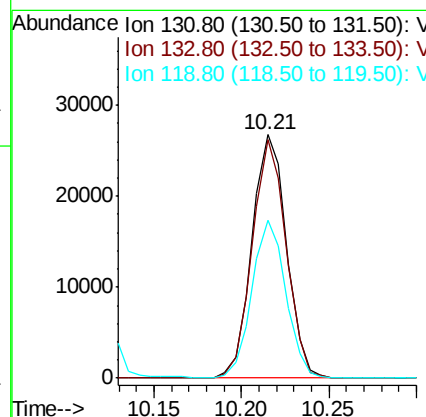
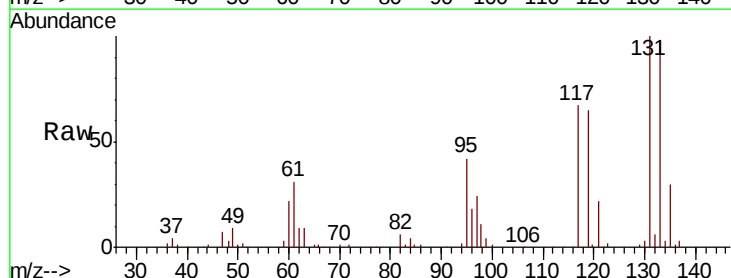
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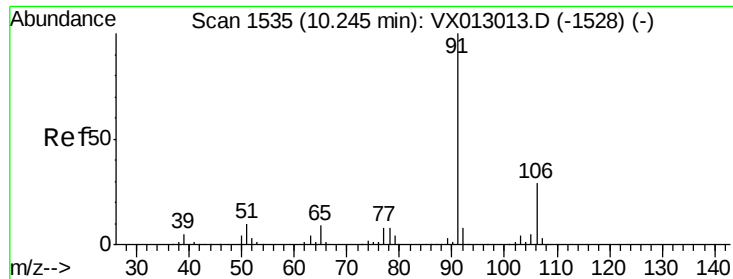
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.698 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion:131 Resp: 36729
Ion Ratio Lower Upper
131 100
133 96.2 47.2 141.6
119 63.7 32.6 98.0





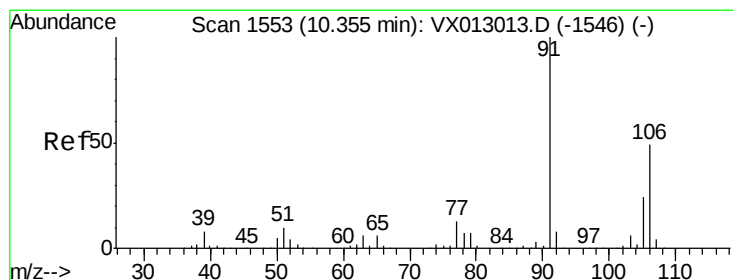
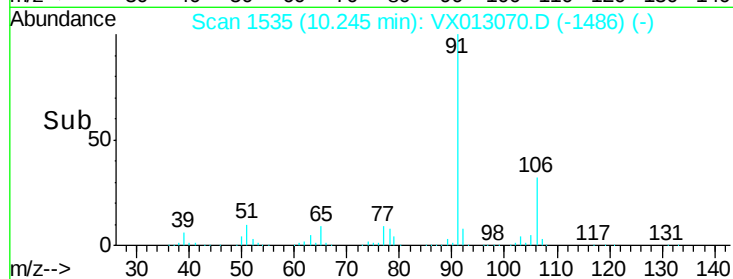
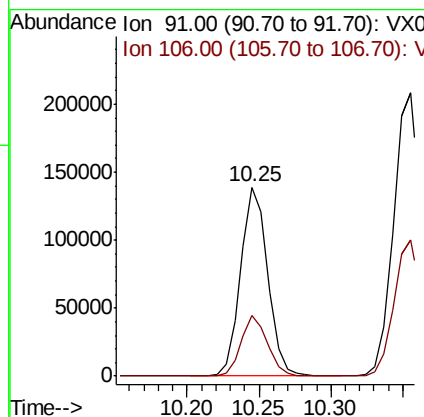
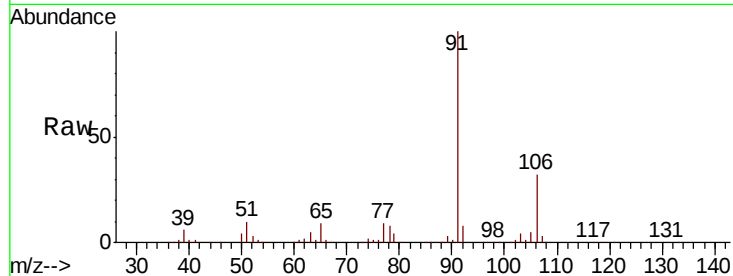
#67
Ethyl Benzene
Concen: 20.041 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion: 91 Resp: 182199
Ion Ratio Lower Upper
91 100
106 32.0 23.9 35.9

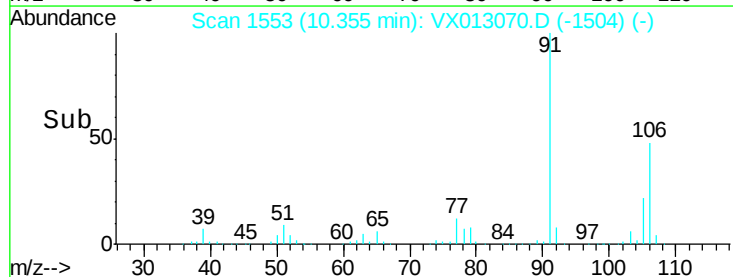
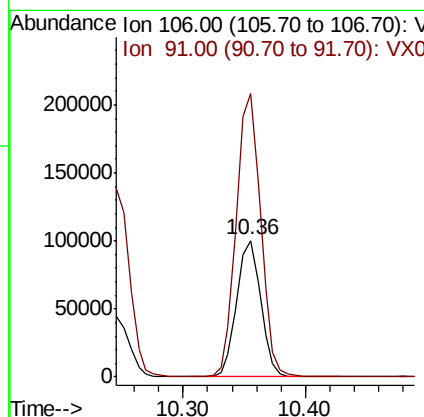
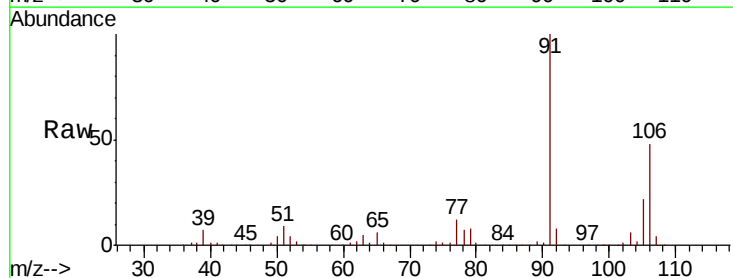
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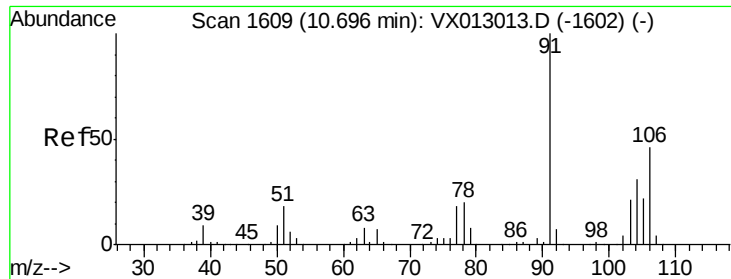
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#68
m/p-Xylenes
Concen: 40.271 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion: 106 Resp: 136771
Ion Ratio Lower Upper
106 100
91 209.7 165.3 247.9





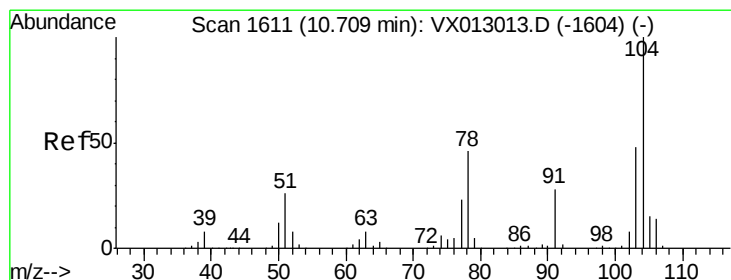
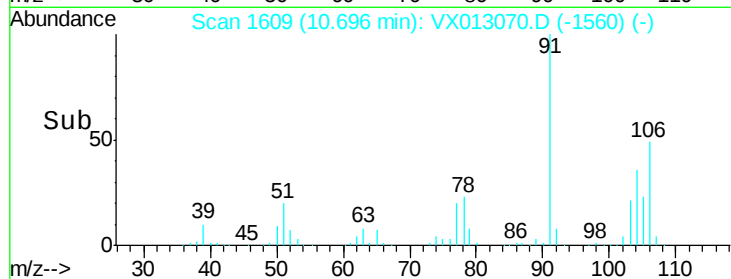
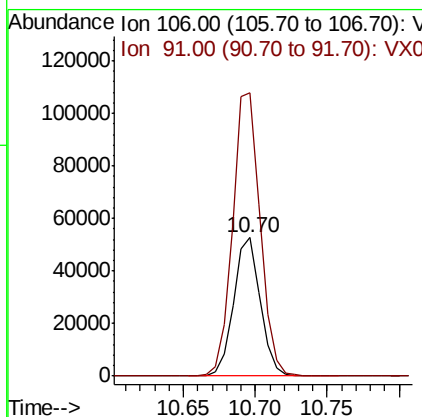
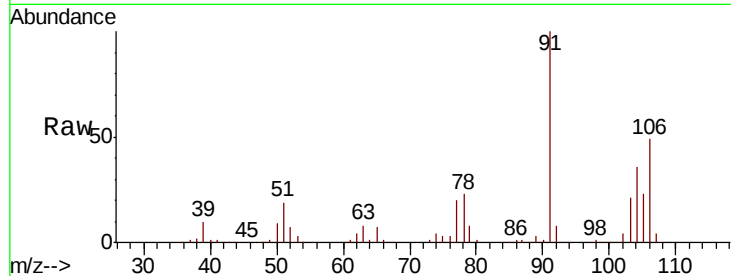
#69
o-Xylene
Concen: 20.591 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion:106 Resp: 68198
Ion Ratio Lower Upper
106 100
91 212.4 109.1 327.3

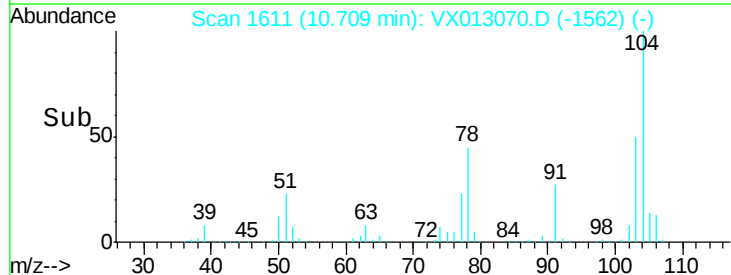
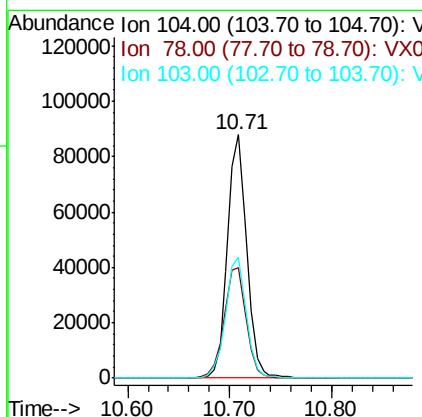
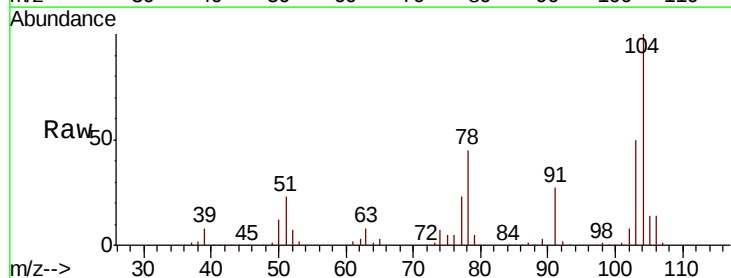
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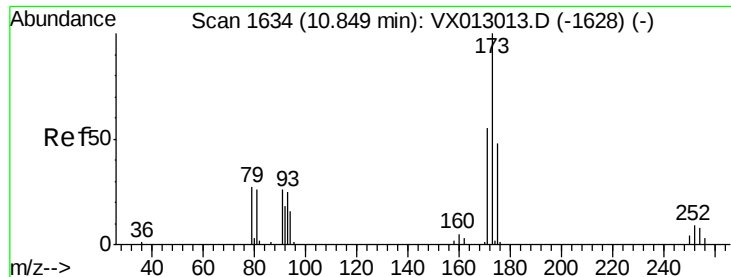
MMDadoda
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#70
Styrene
Concen: 20.367 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion:104 Resp: 114677
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 53.8 43.0 64.4





#71

Bromoform

Concen: 18.543 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

VX1015WBS01

Tot Ion:173 Resp: 24854

Ion Ratio Lower Upper

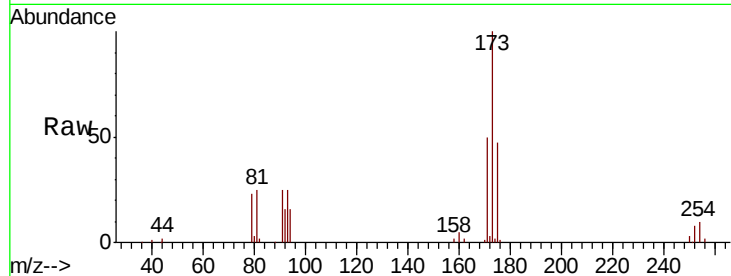
173 100

175 47.9 24.1 72.3

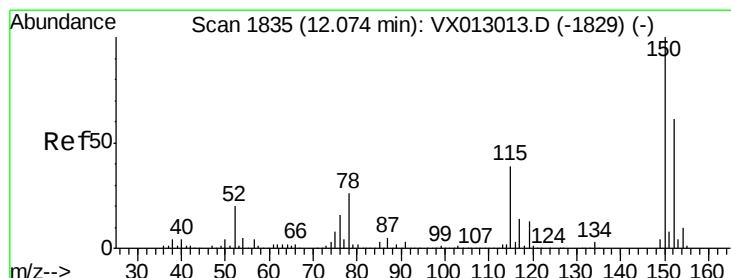
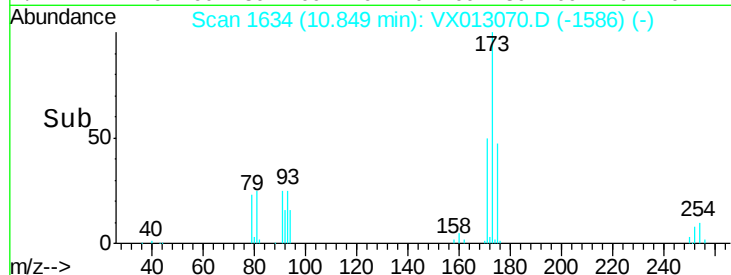
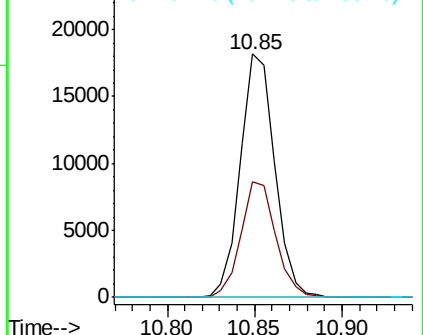
254 0.0 0.1 0.1#

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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: VX013070.D

Acq: 15 Oct 2019 12:11

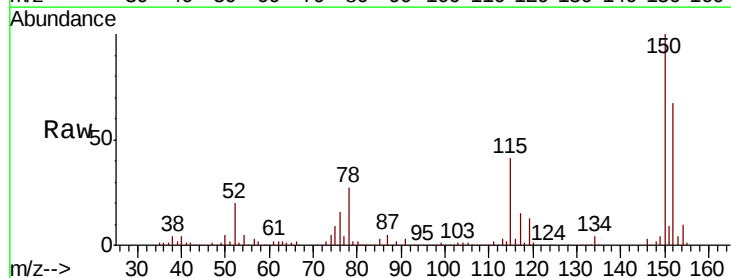
Tgt Ion:152 Resp: 121738

Ion Ratio Lower Upper

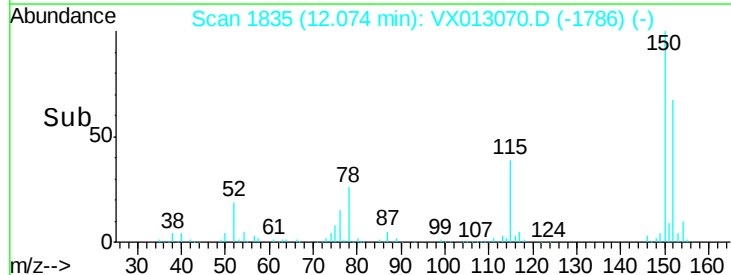
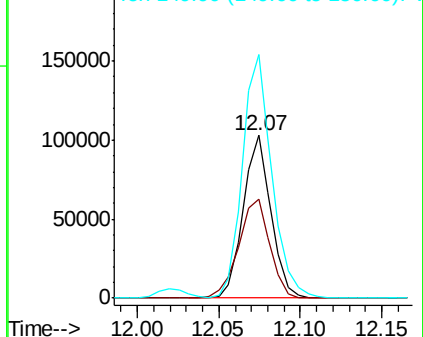
152 100

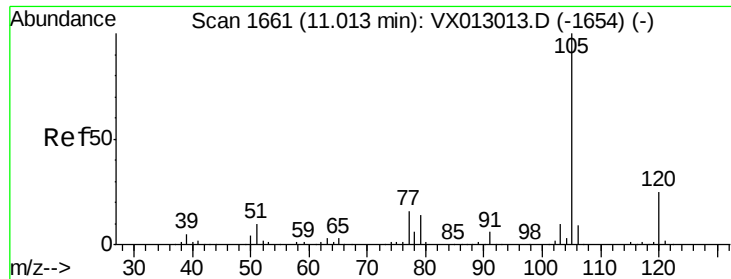
115 68.9 44.5 133.5

150 158.9 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: 20.505 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

VX1015WBS01

Tot Ion: 105 Resp: 183529

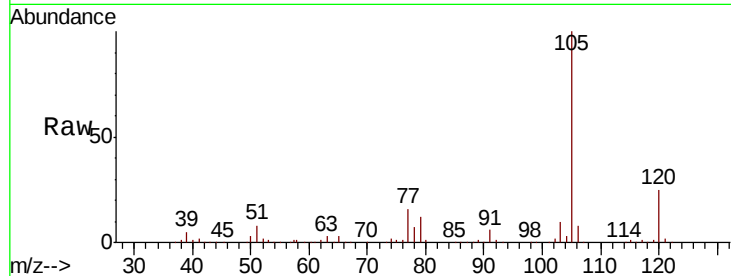
Ion Ratio Lower Upper

105 100

120 25.6 13.0 39.0

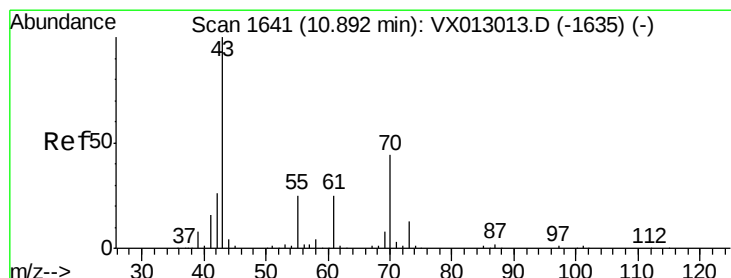
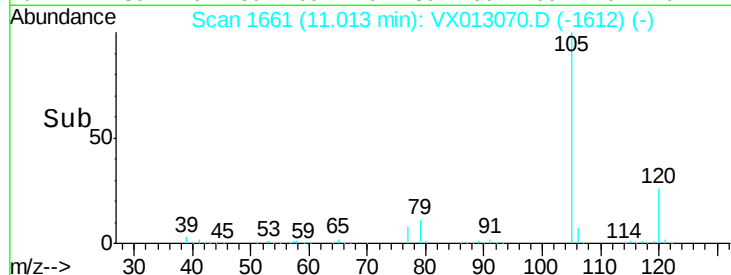
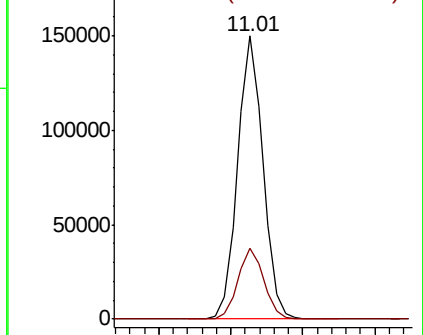
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.214 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Tgt Ion: 43 Resp: 70211

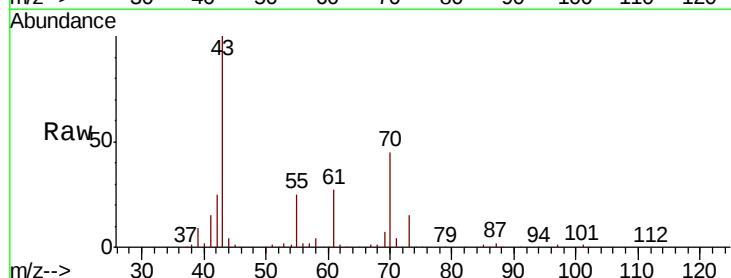
Ion Ratio Lower Upper

43 100

70 45.2 36.4 54.6

55 25.5 20.2 30.2

61 26.0 20.5 30.7

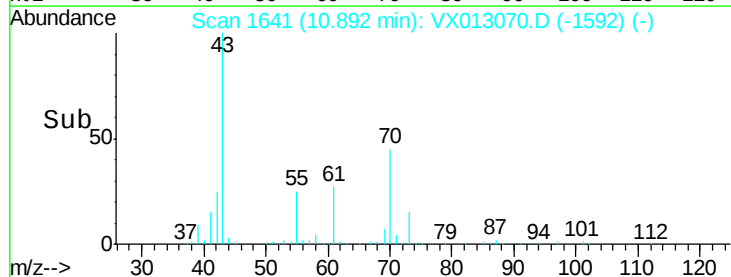
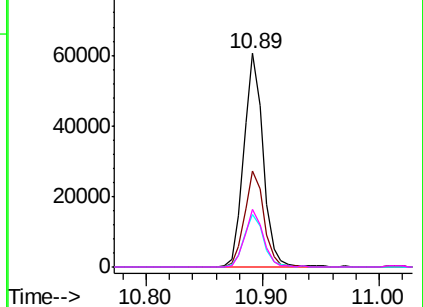


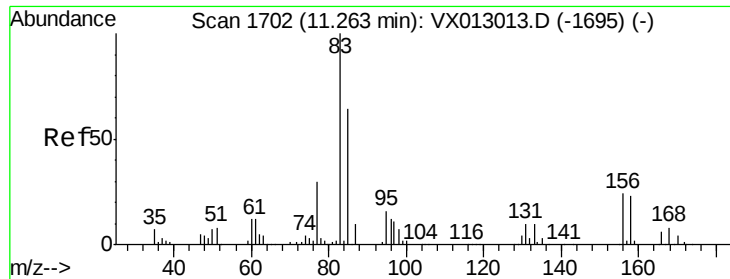
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 19.649 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

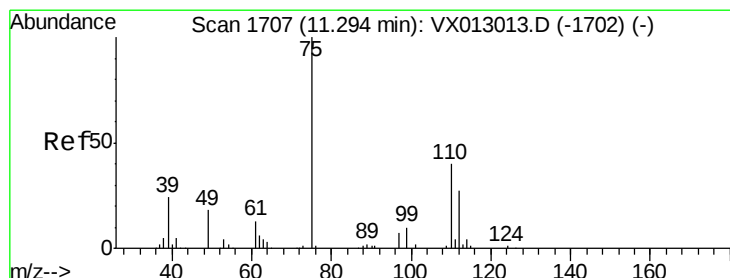
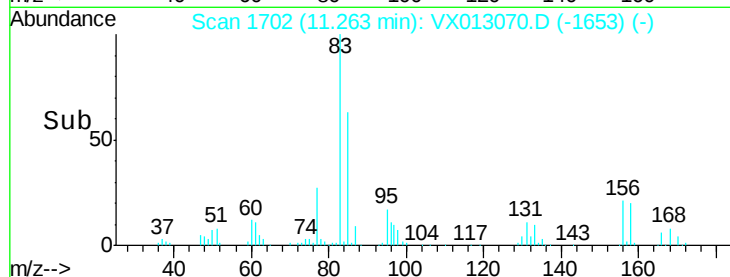
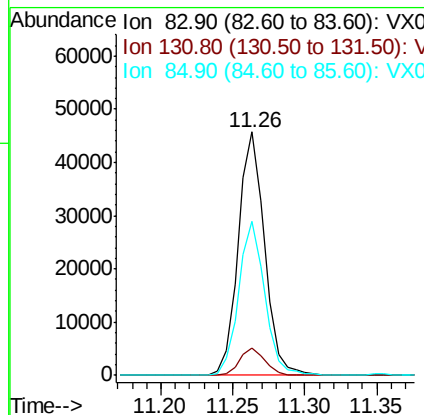
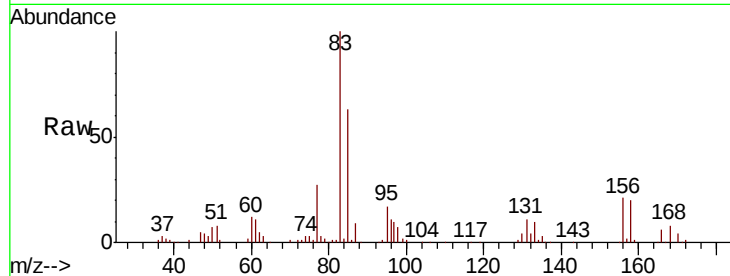
ClientSampleId :

VX1015WBS01

Tot Ion:	83	Resp:	58494
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	62.9	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 20.862 ug/l m

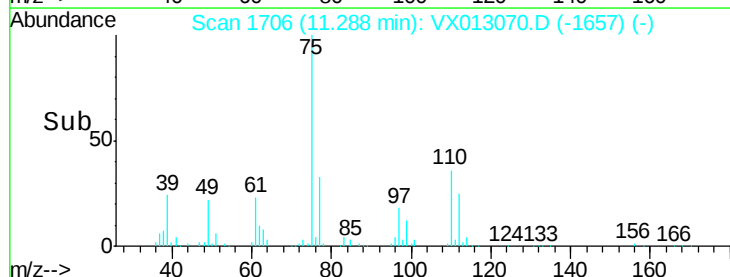
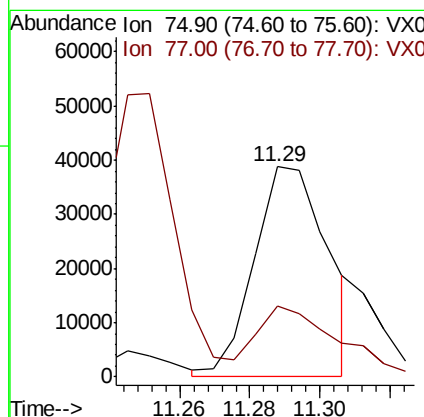
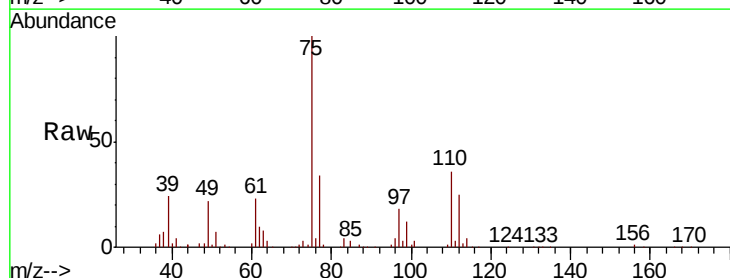
RT: 11.29 min Scan# 1706

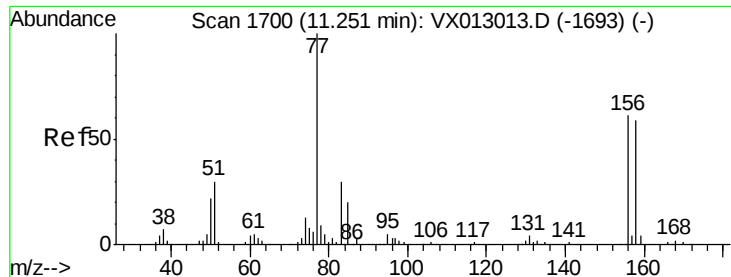
Delta R.T. 0.00 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Tgt Ion:	75	Resp:	56329
Ion	Ratio	Lower	Upper
75	100		
77	37.2	22.9	68.8





#77

Bromobenzene

Concen: 20.316 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

VX1015WBS01

Tot Ion:156 Resp: 42849

Ion Ratio Lower Upper

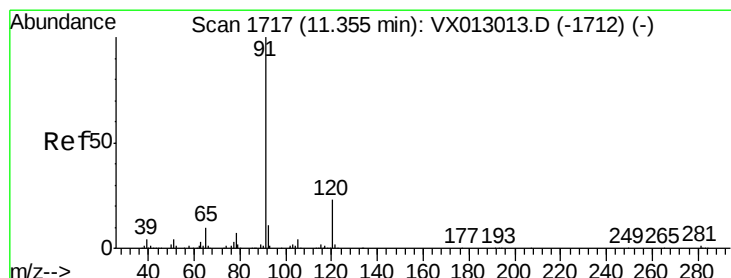
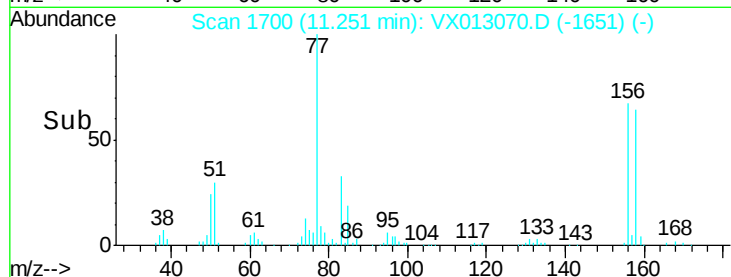
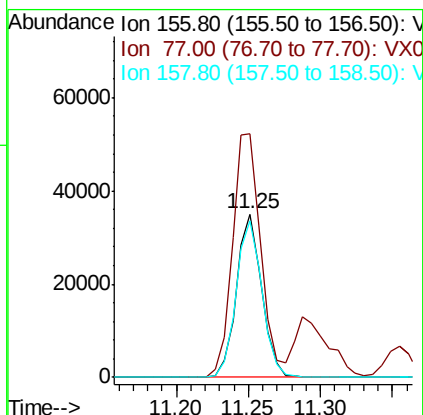
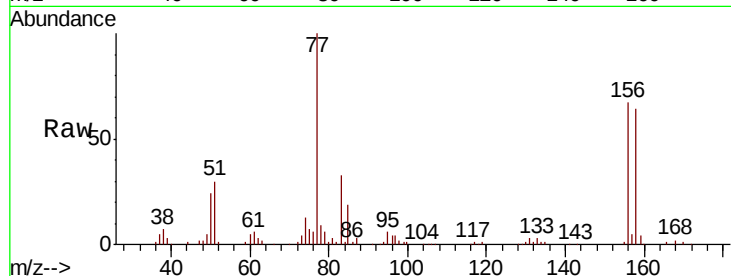
156 100

77 167.9 83.7 251.0

158 97.9 48.6 145.9

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#78

n-propylbenzene

Concen: 19.962 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013070.D

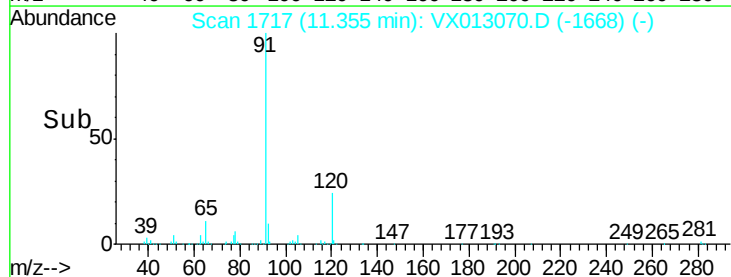
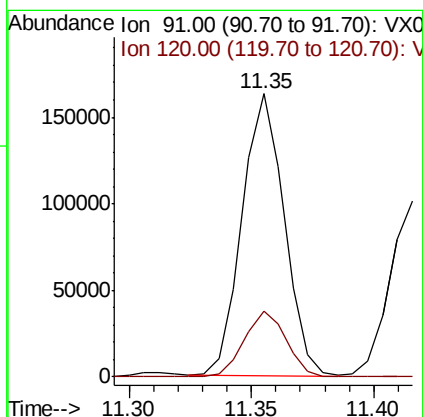
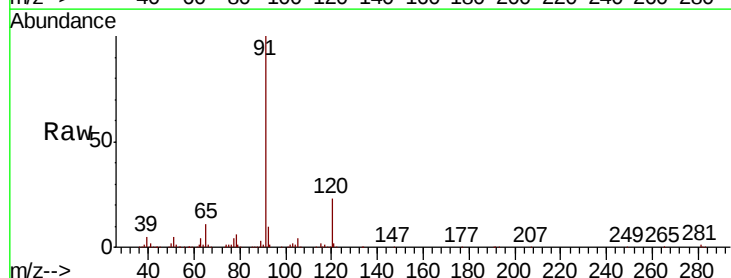
Acq: 15 Oct 2019 12:11

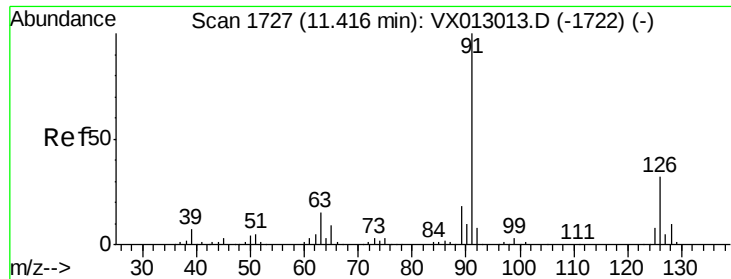
Tgt Ion: 91 Resp: 196599

Ion Ratio Lower Upper

91 100

120 23.2 11.7 35.1





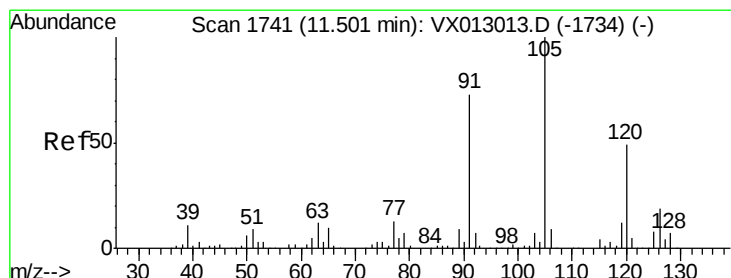
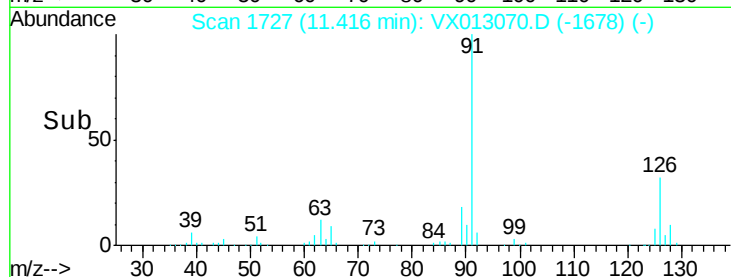
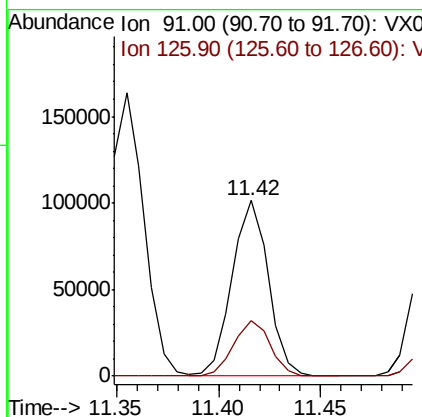
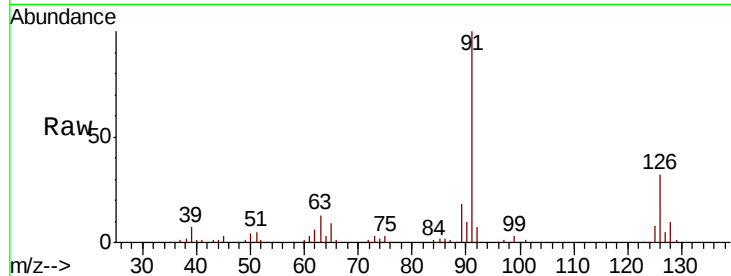
#79
 2-Chlorotoluene
 Concen: 19.958 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX013070.D
 Acq: 15 Oct 2019 12:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1015WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.3	48.8

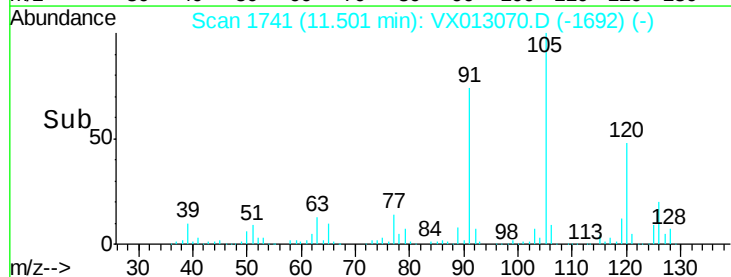
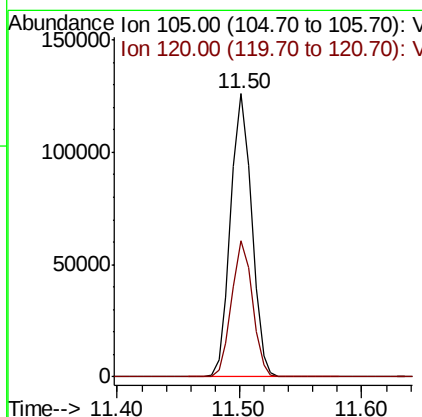
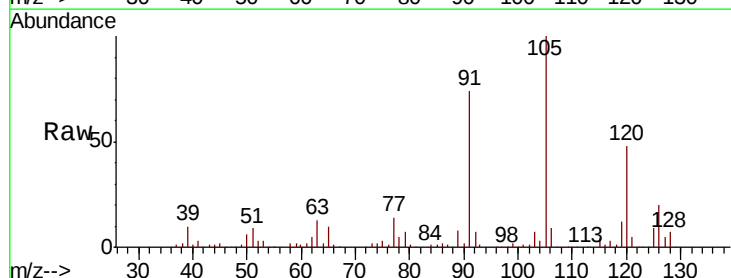
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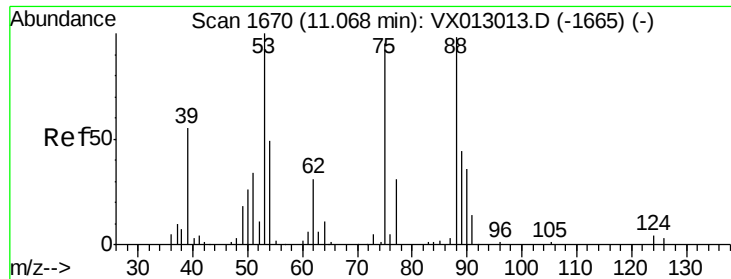
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.107 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013070.D
 Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	24.8	74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.603 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

VX1015WBS01

Tot Ion: 75 Resp: 16601

Ion Ratio Lower Upper

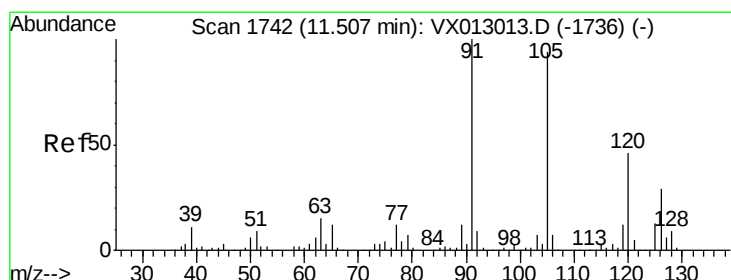
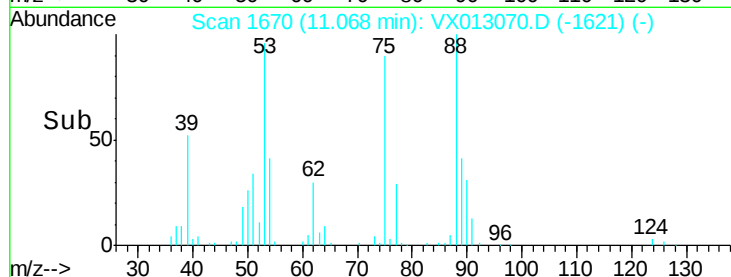
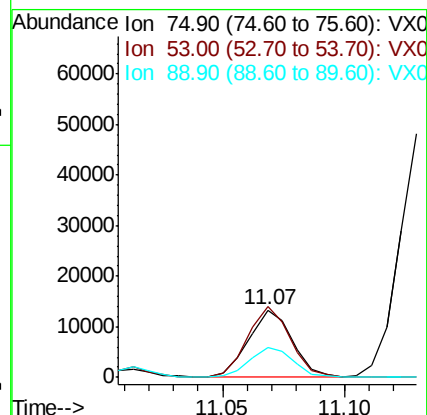
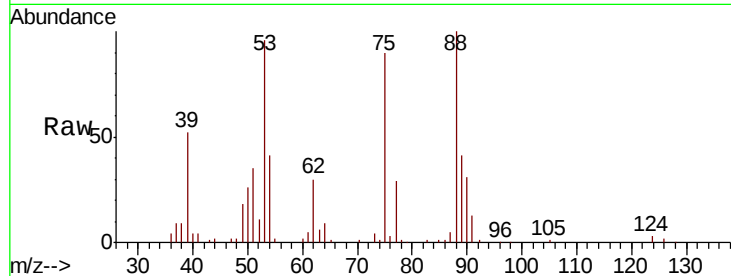
75 100

53 104.0 78.5 117.7

89 44.3 37.4 56.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.288 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013070.D

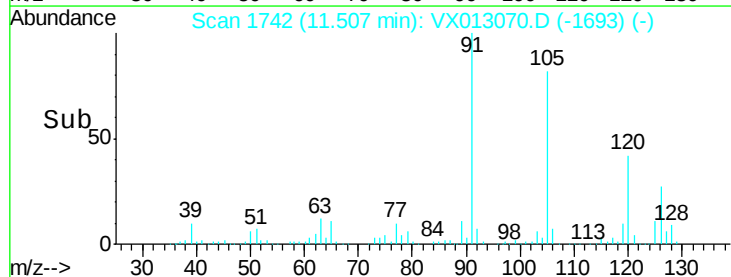
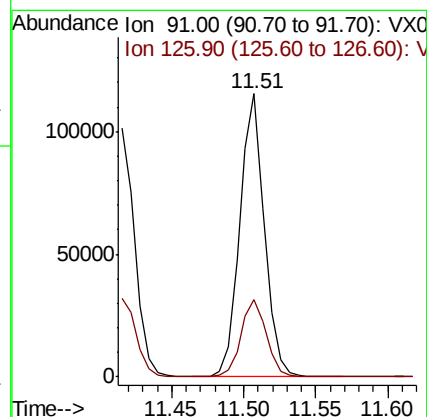
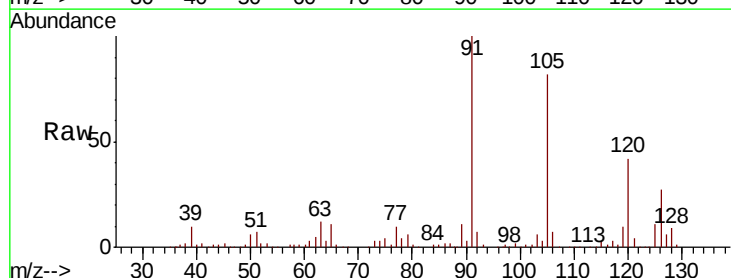
Acq: 15 Oct 2019 12:11

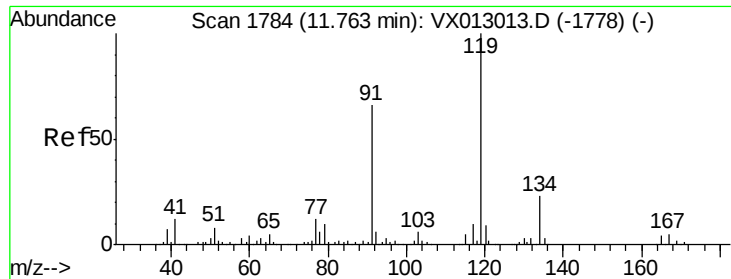
Tgt Ion: 91 Resp: 136839

Ion Ratio Lower Upper

91 100

126 28.2 14.2 42.6





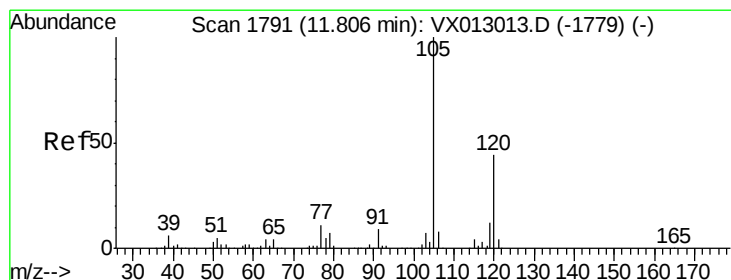
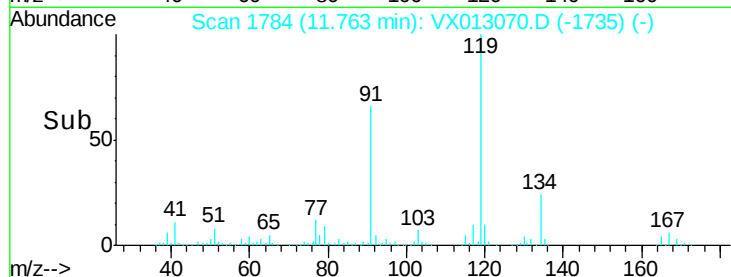
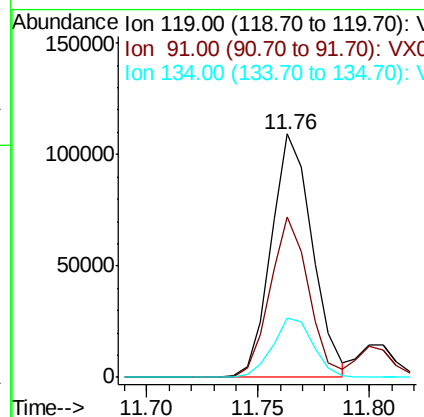
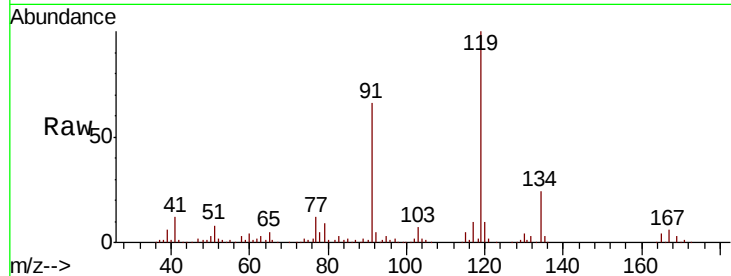
#83
tert-Butylbenzene
Concen: 19.163 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampled :
VX1015WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	139705		
91	61.8	29.3	87.9	
134	24.0	11.5	34.4	

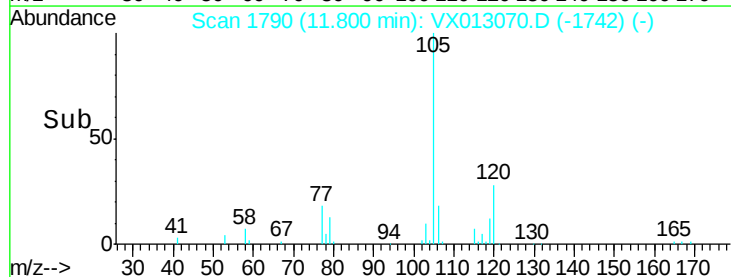
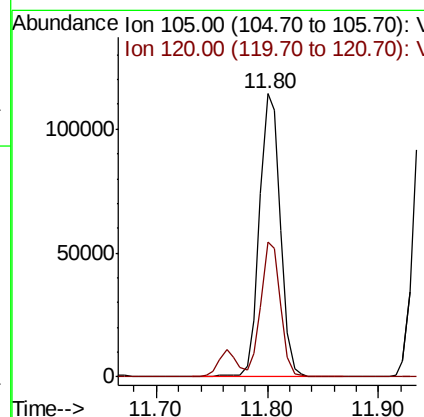
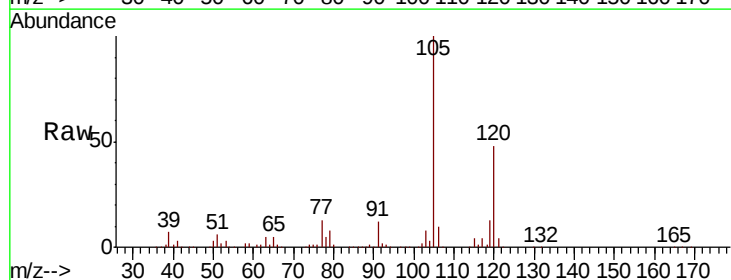
Manual Integrations
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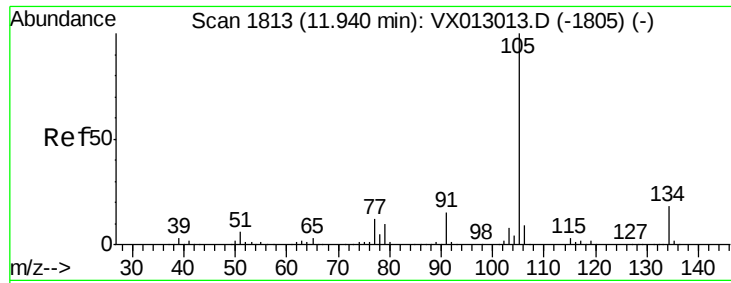
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#84
1,2,4-Trimethylbenzene
Concen: 19.711 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	149191		
120	45.0	21.8	65.3	





#85

sec-Butylbenzene

Concen: 19.853 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampled :

VX1015WBS01

Tot Ion:105 Resp: 167686

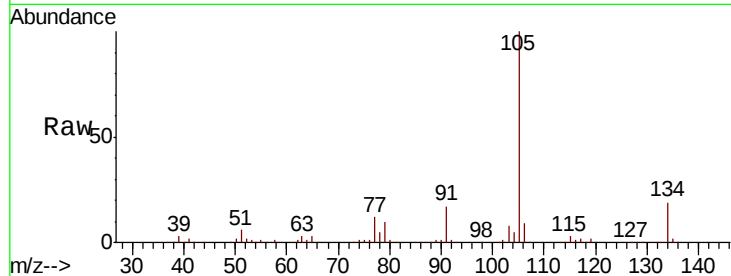
Ion Ratio Lower Upper

105 100

134 19.9 10.0 30.0

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

Ion 134.00 (133.70 to 134.70): V

11.94

150000

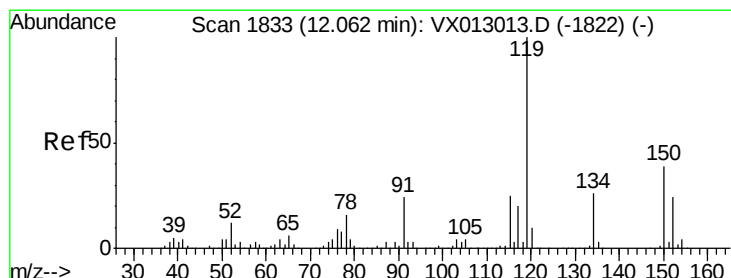
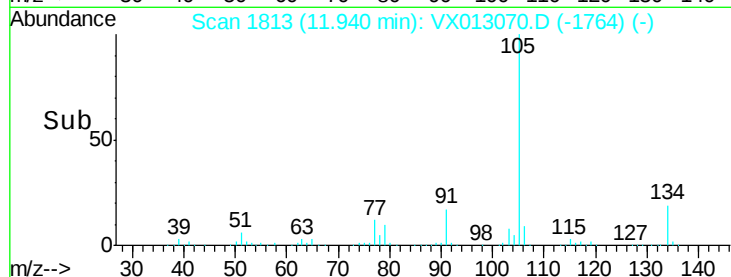
100000

50000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 19.634 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013070.D

Acq: 15 Oct 2019 12:11

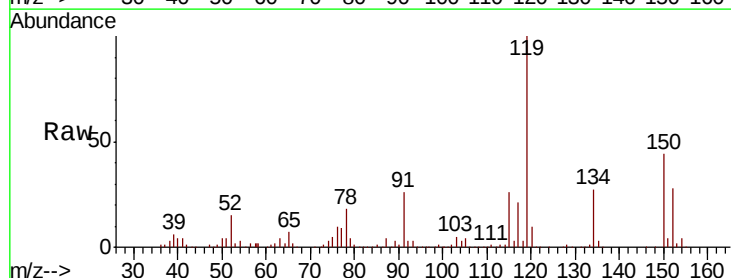
Tgt Ion:119 Resp: 153800

Ion Ratio Lower Upper

119 100

134 25.6 12.6 37.8

91 25.6 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

150000

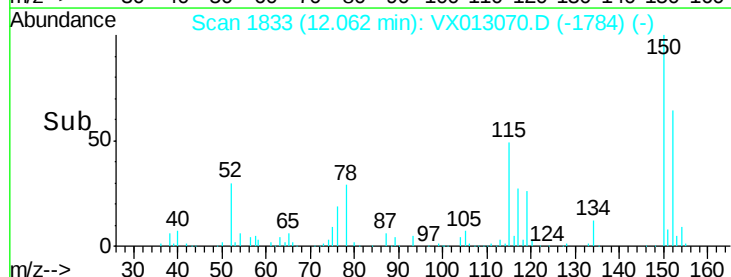
100000

50000

0

Time-->

12.00 12.10





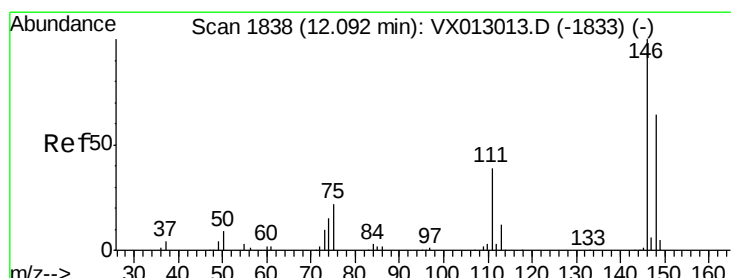
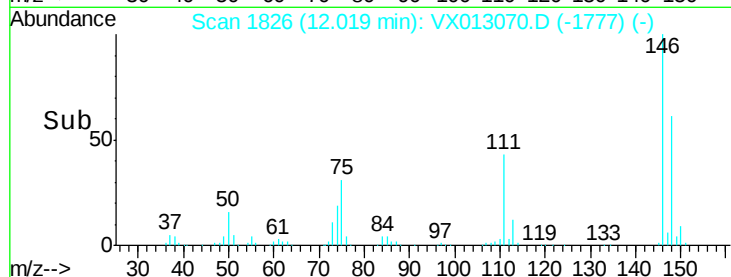
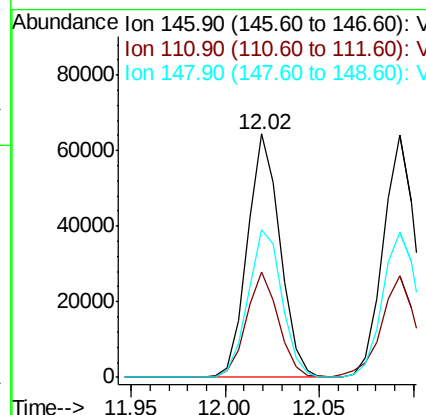
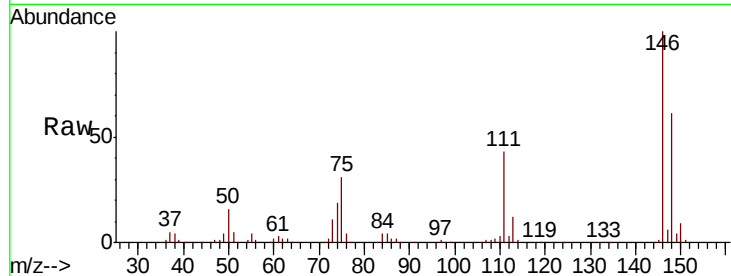
#87
 1,3-Dichlorobenzene
 Concen: 19.779 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013070.D
 Acq: 15 Oct 2019 12:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1015WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	62.8	31.6	95.0

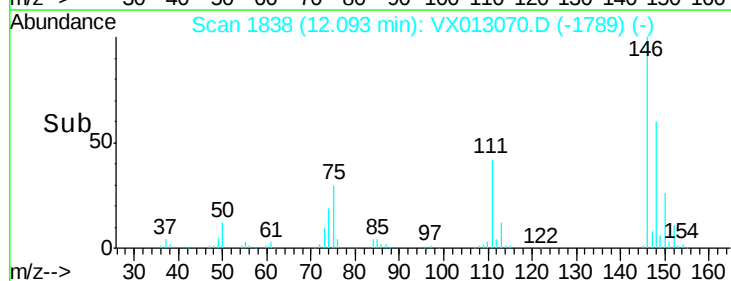
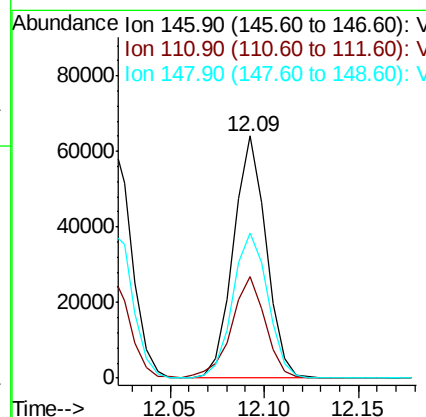
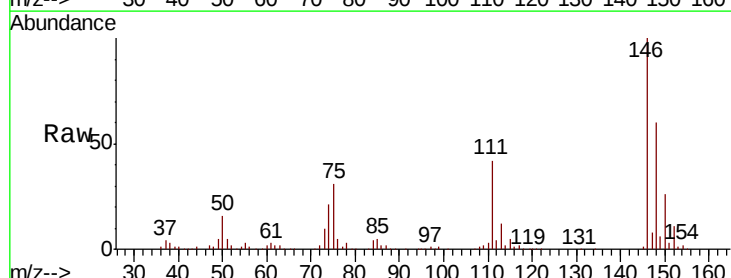
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#88
 1,4-Dichlorobenzene
 Concen: 19.501 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013070.D
 Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.4	64.3
148	64.2	32.1	96.5





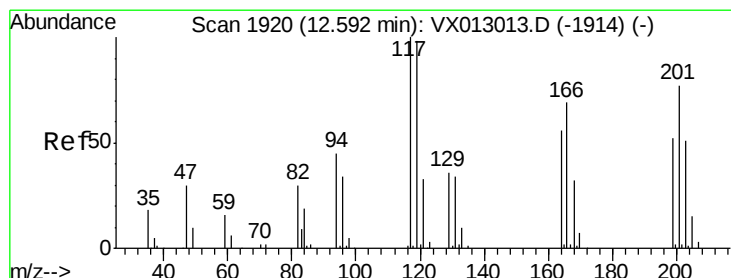
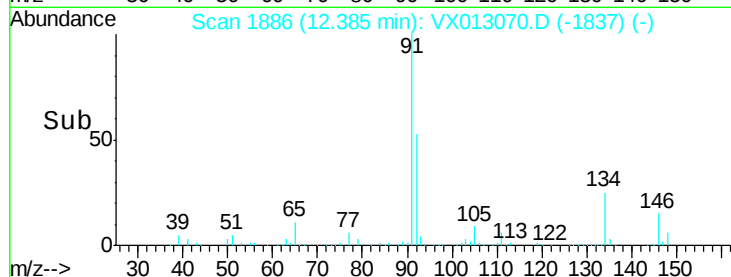
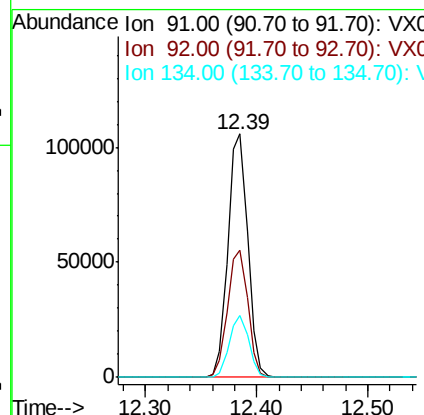
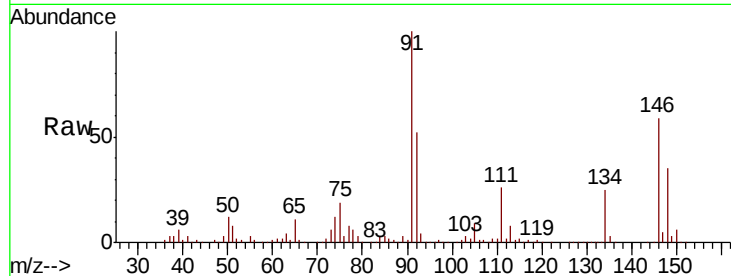
#89
n-Butylbenzene
Concen: 19.825 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	130519		
92	53.7		27.5	82.5
134	25.0		12.9	38.7

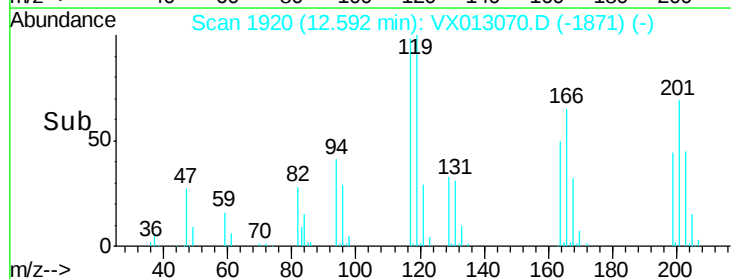
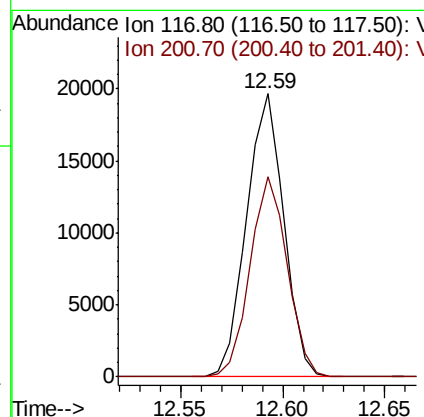
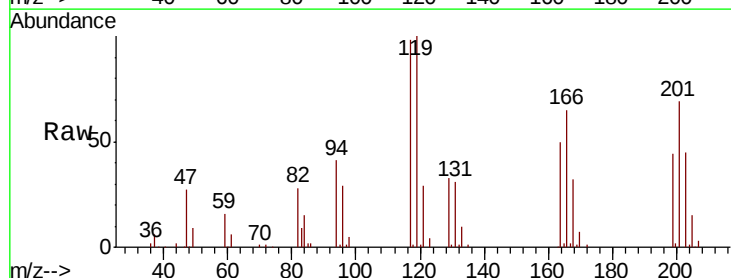
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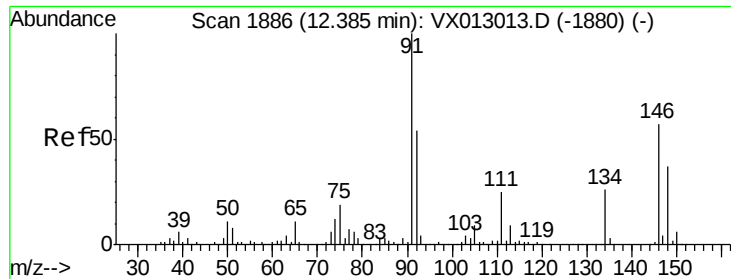
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#90
Hexachloroethane
Concen: 18.585 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	24948		
201	70.8		36.9	110.7





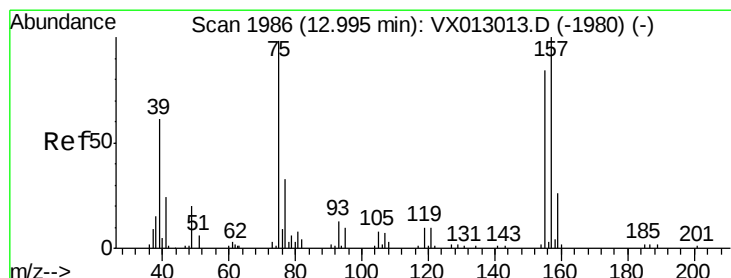
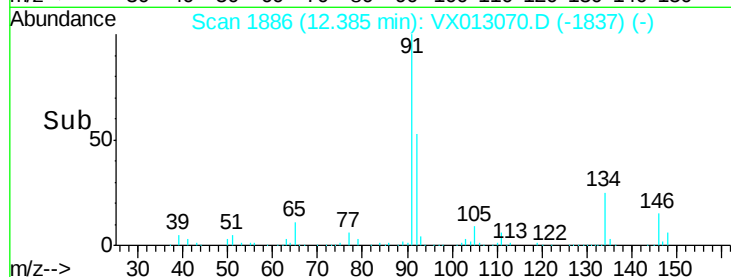
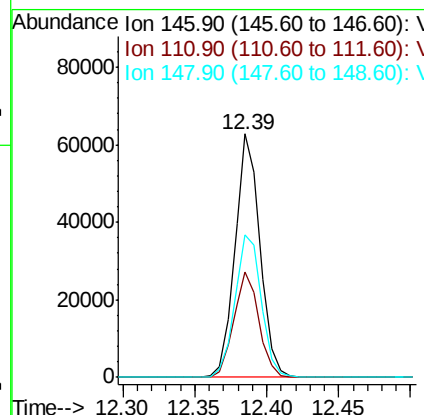
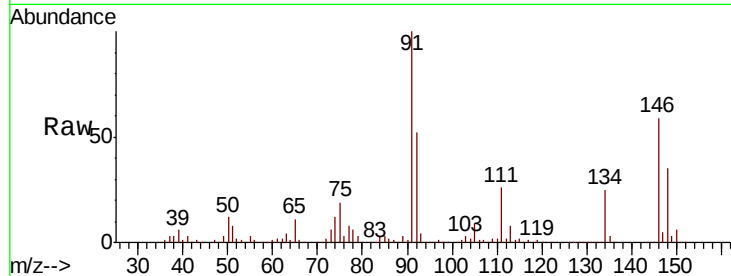
#91
 1,2-Dichlorobenzene
 Concen: 19.923 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013070.D
 Acq: 15 Oct 2019 12:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1015WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.7	68.0
148	61.4	31.6	94.7

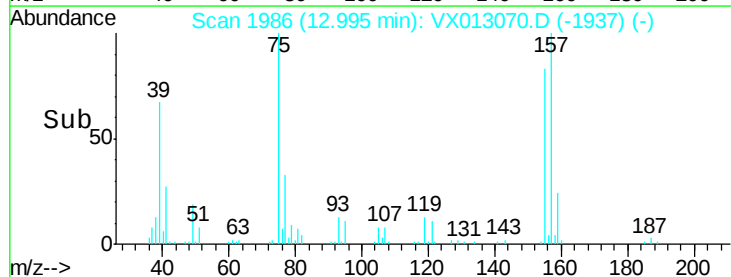
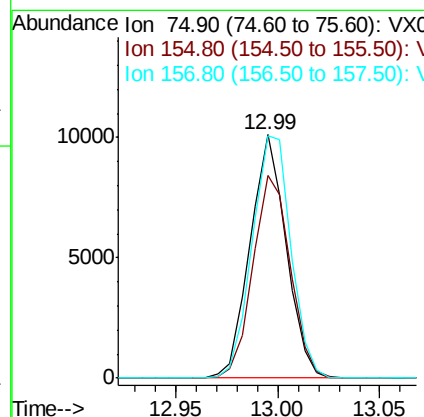
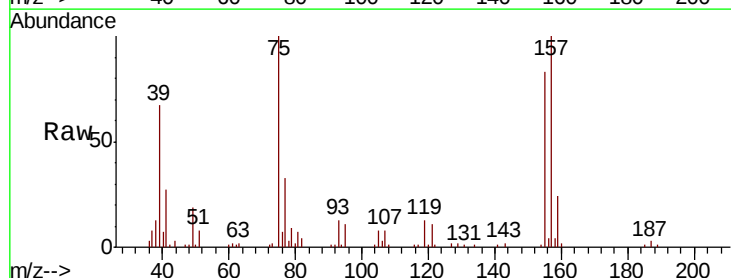
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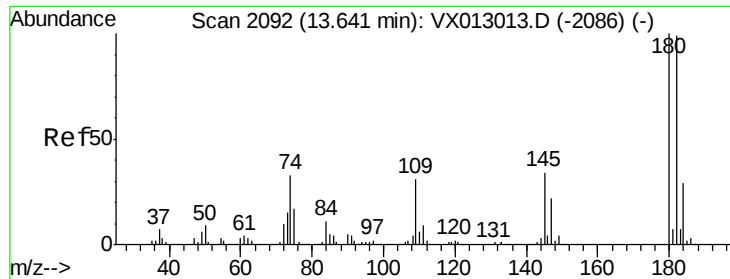
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.835 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013070.D
 Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	43.0	128.8
157	107.0	54.1	162.3





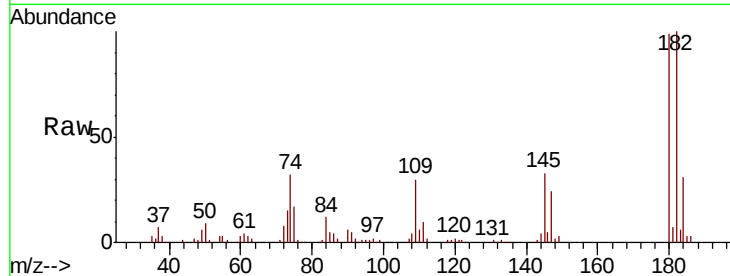
#93
 1,2,4-Trichlorobenzene
 Concen: 18.741 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013070.D
 Acq: 15 Oct 2019 12:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1015WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	45079		
182	97.0	46.8	140.4	
145	32.5	16.2	48.6	

Manual Integrations
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 10/16/2019 9:58:03 AM

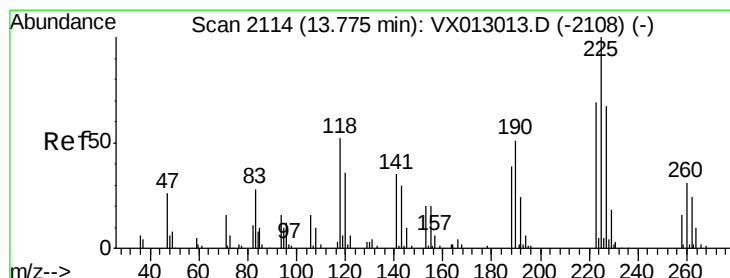
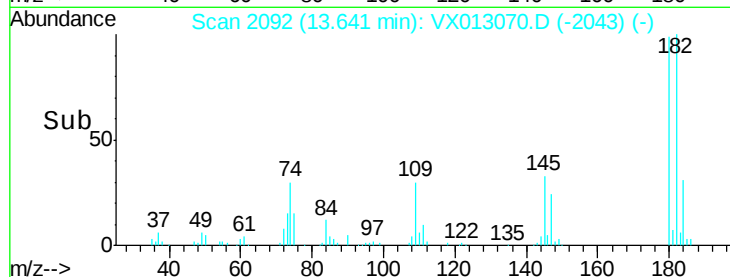
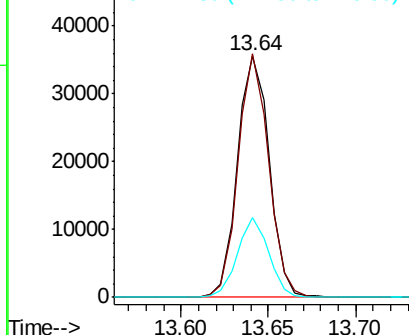


Abundance

Ion 179.80 (179.50 to 180.50): V

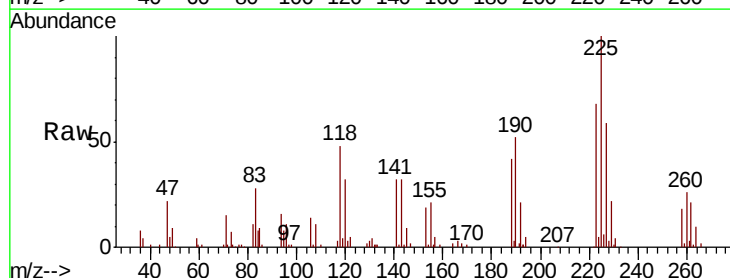
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.400 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX013070.D
 Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21535		
223	64.3	31.1	93.2	
227	64.8	32.3	96.9	

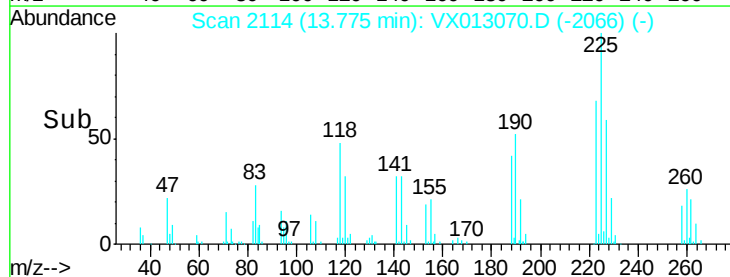
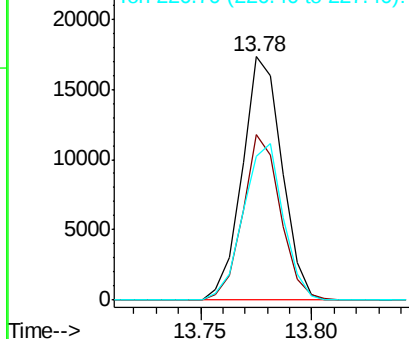


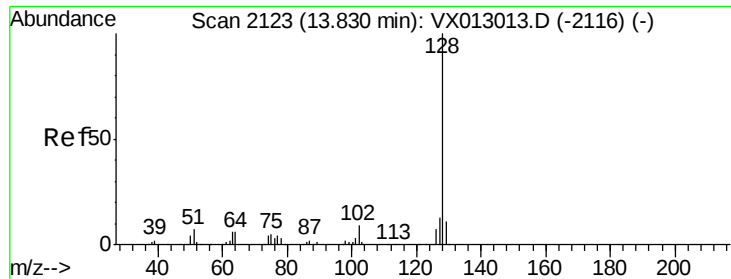
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





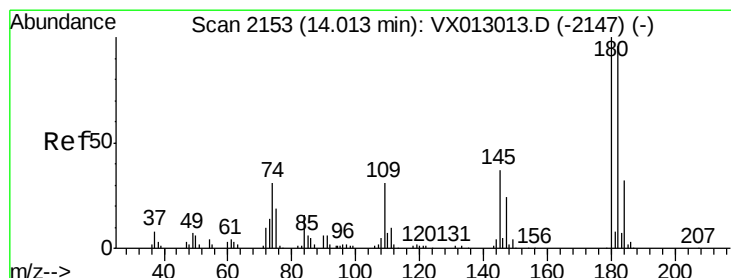
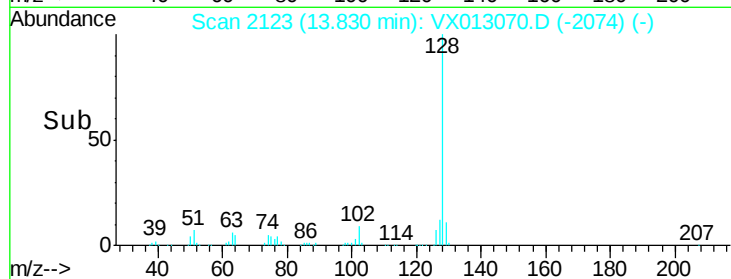
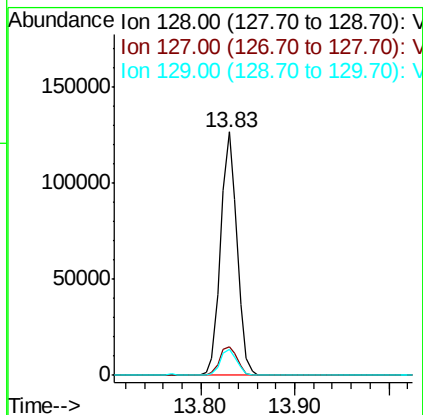
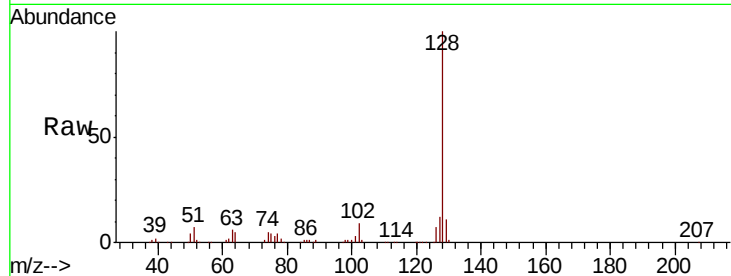
#95
Naphthalene
Concen: 18.367 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.610 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013070.D
Acq: 15 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.5	142.5
145	35.5	17.4	52.3

