

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX123019\
 Data File : VX014347.D
 Acq On : 30 Dec 2019 12:05
 Operator : JC/SP
 Sample : VX1230WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1230WBS01

Manual Integrations
 APPROVED

apatel
 12/31/2019 9:32:32 AM

Quant Time: Dec 31 01:38:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	85159	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	470569	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	426469	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	177283	29.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.90%
60) 4-Bromofluorobenzene	11.13	95	207163	30.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.27%
63) Toluene-d8	8.71	98	582824	30.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	87752	20.399	ug/l 97
3) Chloromethane	1.32	50	125908	20.767	ug/l 99
4) Vinyl Chloride	1.40	62	128156	20.620	ug/l 98
5) Bromomethane	1.63	94	76919	16.930	ug/l 96
6) Chloroethane	1.72	64	83989	21.877	ug/l 99
7) Trichlorofluoromethane	1.92	101	164776	21.305	ug/l 100
8) Diethyl Ether	2.18	74	74572	20.977	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	101624	22.032	ug/l 99
10) 1,1-Dichloroethene	2.37	96	98561	20.668	ug/l 98
11) Methyl Iodide	2.50	142	109545	17.845	ug/l 97
12) Methyl Acetate	2.76	43	155736	21.095	ug/l 99
13) Acrolein	2.28	56	121845	136.080	ug/l 100
14) Acrylonitrile	3.12	53	308638	106.944	ug/l 98
15) Acetone	2.43	58	91259	107.642	ug/l 86
16) Carbon Disulfide	2.56	76	271545	21.020	ug/l 98
17) Allyl chloride	2.72	41	184657	21.549	ug/l 98
18) Methylene Chloride	2.85	84	118343	20.253	ug/l 97
19) trans-1,2-Dichloroethene	3.15	96	107095	20.508	ug/l 93
20) Diisopropyl ether	3.84	45	371616	21.135	ug/l 92
21) 1,1-Dichloroethane	3.69	63	198595	20.811	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	122406	20.220	ug/l 97
23) tert-Butyl Alcohol	3.02	59	127566	112.694	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	330774	20.534	ug/l 98
25) Chloroform	5.19	83	188334	20.701	ug/l 96
26) Cyclohexane	5.57	56	181698	21.353	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	143715	21.143	ug/l 100
30) 2-Butanone	4.65	43	433856	108.290	ug/l 99
31) 2,2-Dichloropropane	4.57	77	154158	24.518	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	157279	20.920	ug/l 99
33) Carbon Tetrachloride	5.78	117	133236	20.847	ug/l 96
34) Benzene	6.13	78	451403	21.298	ug/l 98
35) Methacrylonitrile	5.02	41	91906	21.329	ug/l 98
36) 1,2-Dichloroethane	6.18	62	149385	20.291	ug/l # 86
37) Trichloroethene	7.20	130	121397	21.050	ug/l 94
38) Methylcyclohexane	7.45	83	185574	22.888	ug/l 98
39) 1,2-Dichloropropane	7.50	63	116927	21.241	ug/l 92
40) Dibromomethane	7.65	93	72518	20.622	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	143858	21.127	ug/l	99
42) Vinyl Acetate	3.80	43	1565878	110.702	ug/l	99
43) Ethyl Acetate	4.82	43	170350	22.159	ug/l	100
44) Isopropyl Acetate	6.43	43	268167	20.827	ug/l	98
45) 1,4-Dioxane	7.73	88	56439	468.077	ug/l	99
46) Methyl methacrylate	7.76	41	129991	20.785	ug/l	97
47) n-amyl Acetate	10.89	43	227558	19.876	ug/l	100
48) t-1,3-Dichloropropene	9.03	75	157504	21.193	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	177878	21.283	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	112108	20.657	ug/l	98
51) Ethyl methacrylate	9.17	69	171390	19.854	ug/l	99
52) 1,3-Dichloropropane	9.36	76	193573	20.993	ug/l	99
53) Dibromochloromethane	9.57	129	110614	20.383	ug/l	98
54) 1,2-Dibromoethane	9.67	107	117465	21.022	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	373640	98.187	ug/l	99
56) Bromoform	10.85	173	81822	19.334	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	843324	105.687	ug/l	98
59) 2-Hexanone	9.48	43	642026	106.023	ug/l	99
61) Tetrachloroethene	9.33	164	125113	22.176	ug/l	97
62) Toluene	8.78	91	480435	21.181	ug/l	99
64) Chlorobenzene	10.14	112	296238	20.847	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.21	131	108119	20.548	ug/l	99
66) Ethyl Benzene	10.25	91	520597	20.973	ug/l	98
67) m/p-Xylenes	10.35	106	397350	41.876	ug/l	98
68) o-Xylene	10.70	106	191654	20.388	ug/l	98
69) Styrene	10.71	104	323153	20.215	ug/l	99
70) Isopropylbenzene	11.01	105	513252	21.129	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	169041	19.623	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	143160m	18.670	ug/l	
73) Bromobenzene	11.25	156	131846	20.332	ug/l	99
74) n-propylbenzene	11.35	91	588796	21.370	ug/l	98
75) 2-Chlorotoluene	11.42	91	349808	21.012	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	428549	20.797	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	54555	21.545	ug/l	94
78) 4-Chlorotoluene	11.51	91	396269	20.831	ug/l	100
79) tert-butylbenzene	11.76	119	406357	20.459	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	426777	20.712	ug/l	100
81) sec-Butylbenzene	11.94	105	495825	20.987	ug/l	100
82) p-Isopropyltoluene	12.06	119	447767	21.002	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	231274	20.462	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	229057	20.352	ug/l	100
85) n-Butylbenzene	12.38	91	383225	21.379	ug/l	100
86) Hexachloroethane	12.59	117	77216	19.964	ug/l	96
87) 1,2-Dichlorobenzene	12.38	146	232491	20.251	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	35282	20.548	ug/l	99
89) 1,2,4-Trichlorobenzene	13.64	180	149725	20.406	ug/l	99
90) Hexachlorobutadiene	13.77	225	74375	21.325	ug/l	98
91) Naphthalene	13.83	128	439043	19.908	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	148657	19.975	ug/l	99

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ClientSampleId :
VX1230WBS01

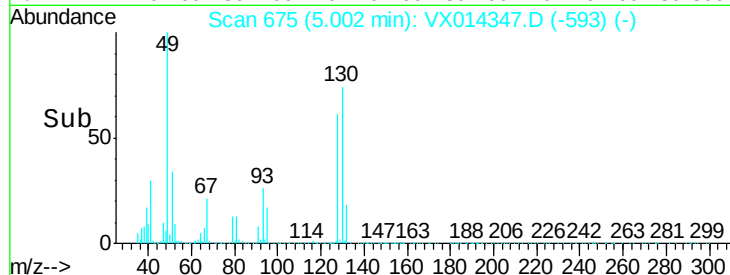
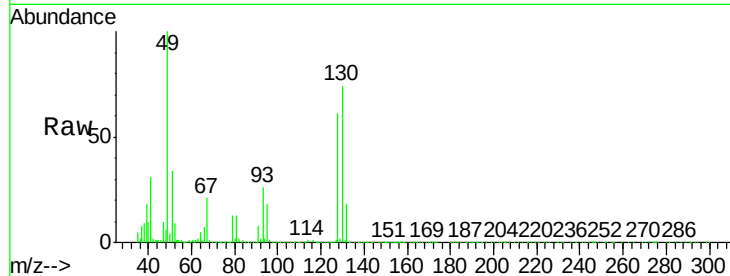
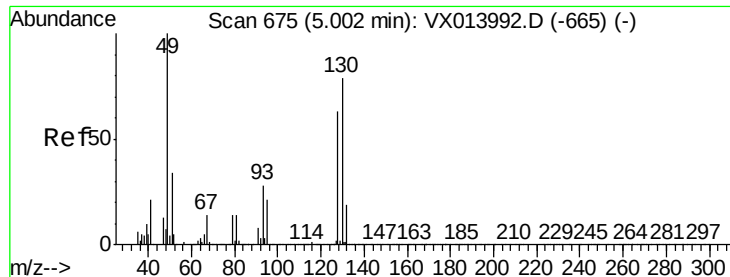
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



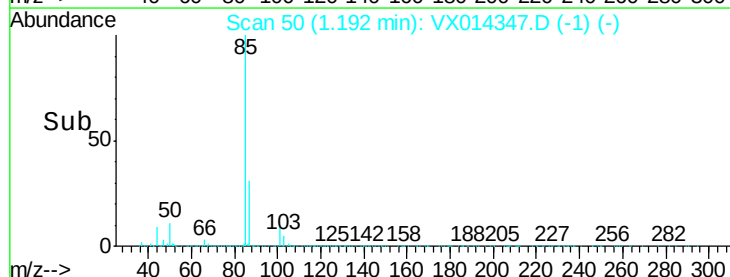
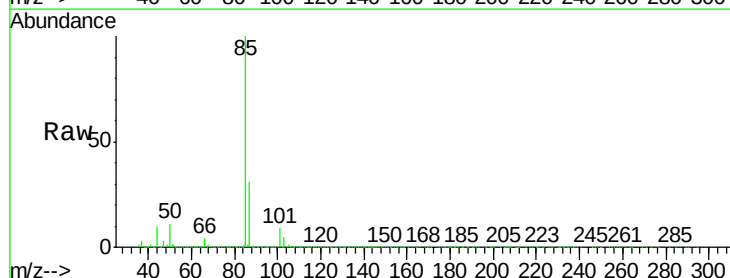
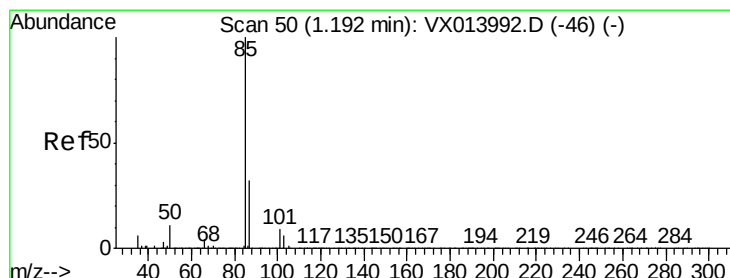
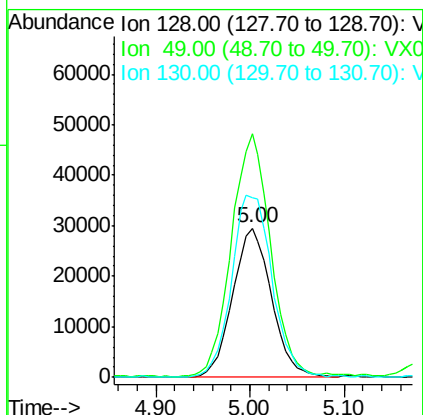
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tot Ion	Ratio	Lower	Upper
128	100		
49	163.4	0.0	405.0
130	127.0	0.0	321.5

Instrument :
MSVOA_X
ClientSampleId :
VX1230WBS01

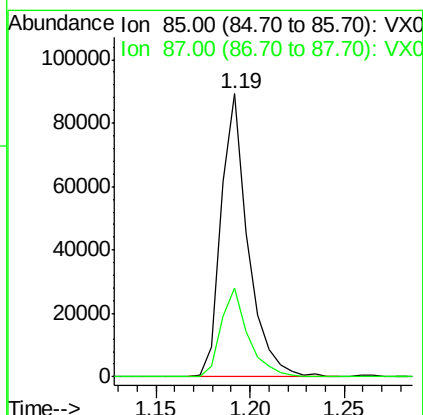
Manual Integrations
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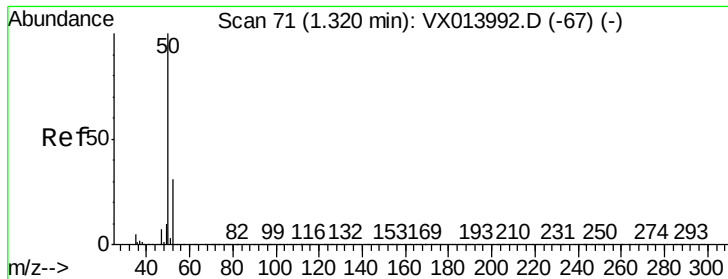
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#2
Dichlorodifluoromethane
Concen: 20.399 ug/l
RT: 1.19 min Scan# 50
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.3	48.9





#3

Chloromethane

Concen: 20.767 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX1230WBS01

Tot Ion: 50 Resp: 125908

Ion Ratio Lower Upper

50 100

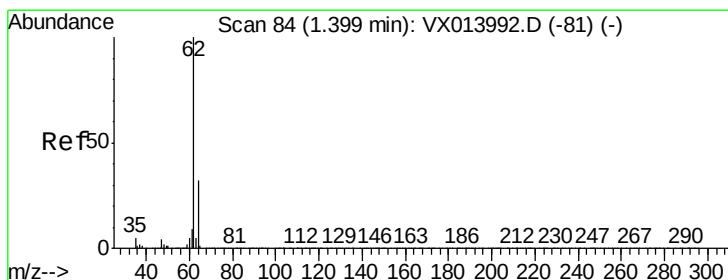
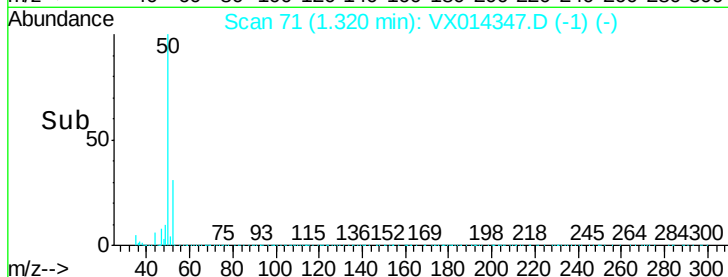
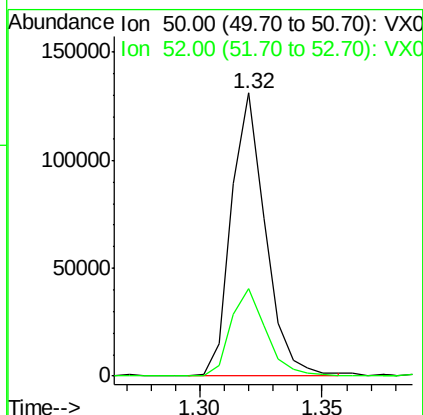
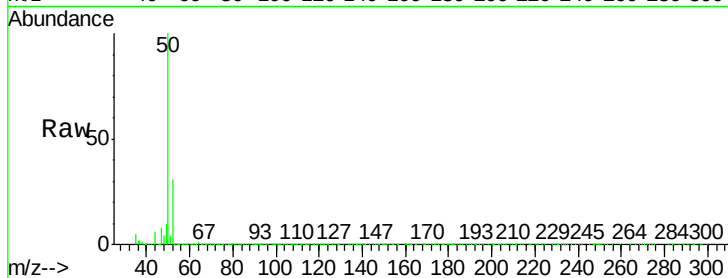
52 31.0 24.3 36.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.620 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX014347.D

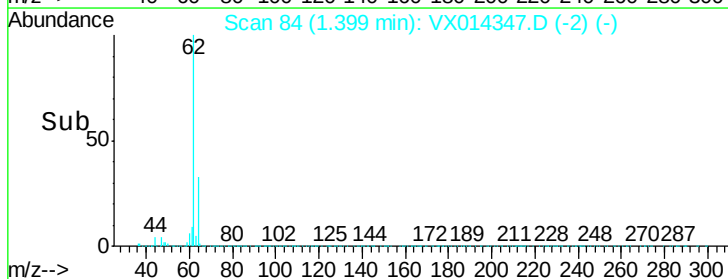
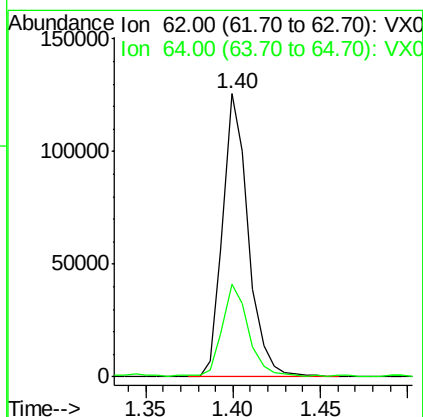
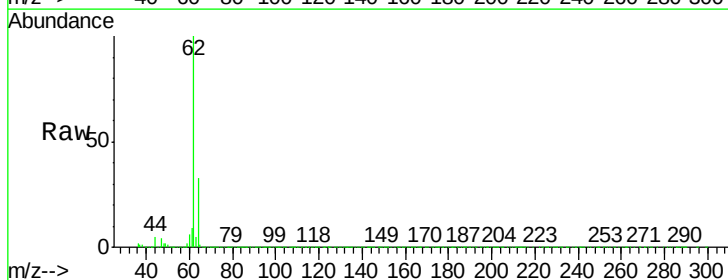
Acq: 30 Dec 2019 12:05

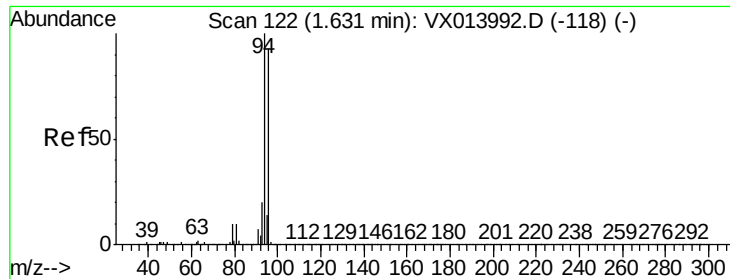
Tgt Ion: 62 Resp: 128156

Ion Ratio Lower Upper

62 100

64 32.5 25.2 37.8





#5

Bromomethane

Concen: 16.930 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX1230WBS01

Tot Ion: 94 Resp: 76919

Ion Ratio Lower Upper

94 100

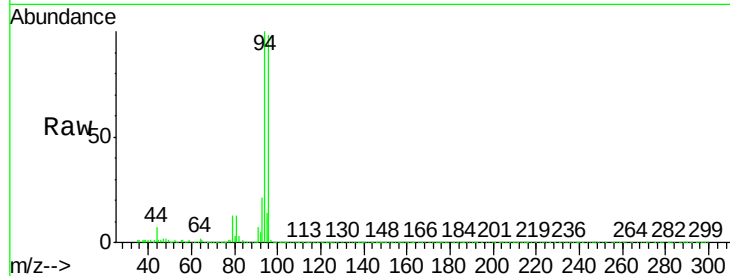
96 96.7 74.4 111.6

Manual Integrations

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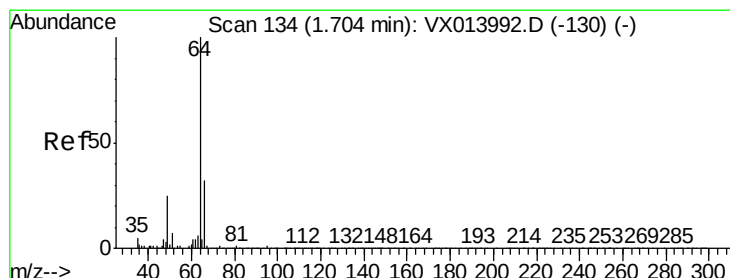
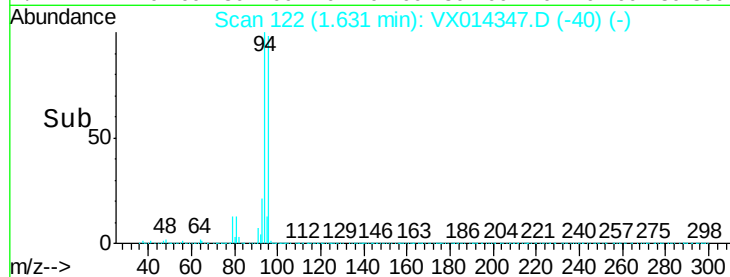
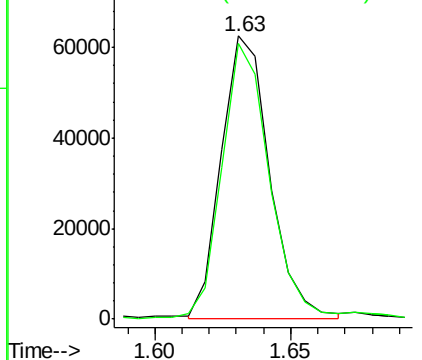
apatel

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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 21.877 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX014347.D

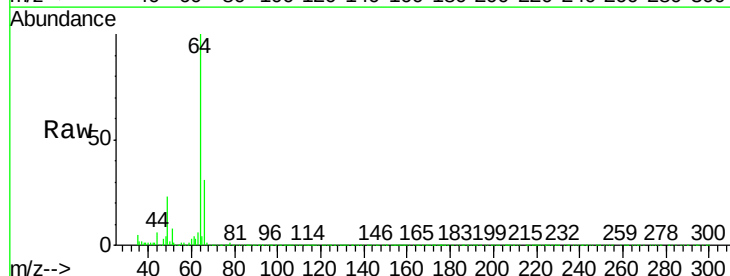
Acq: 30 Dec 2019 12:05

Tgt Ion: 64 Resp: 83989

Ion Ratio Lower Upper

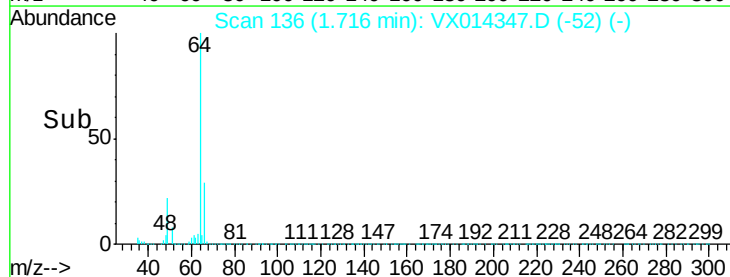
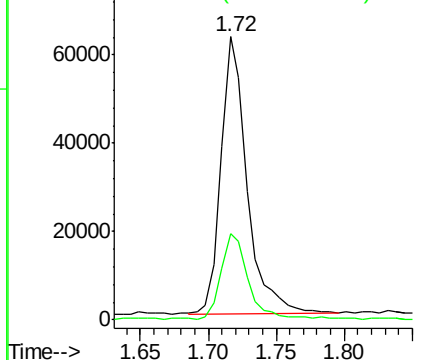
64 100

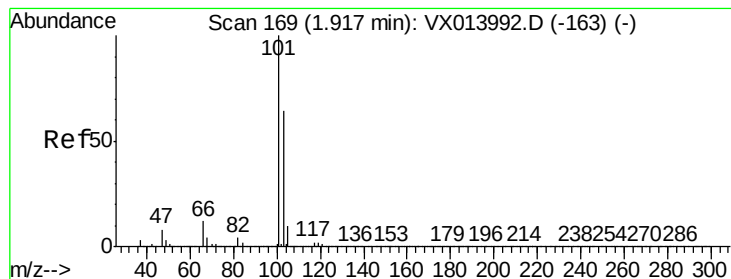
66 30.7 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

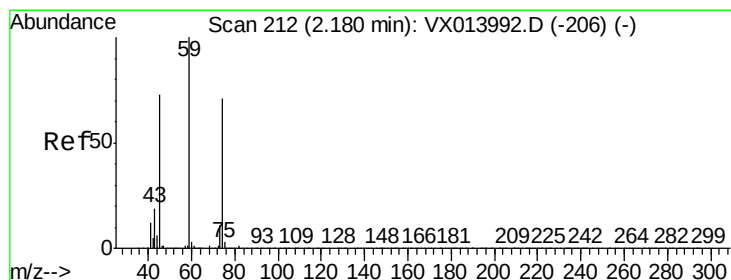
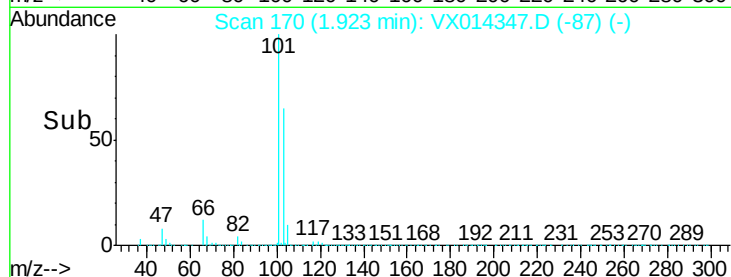
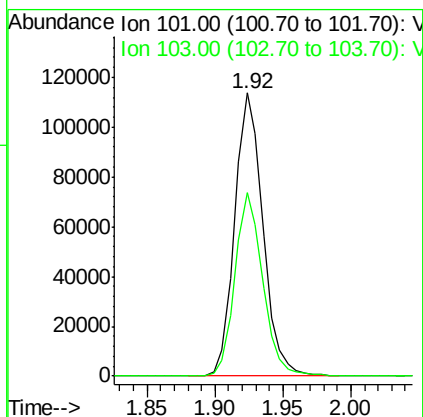
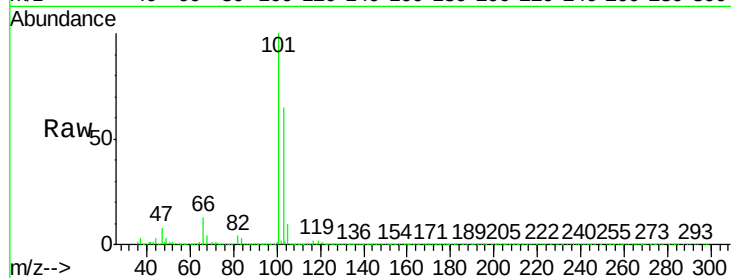
Trichlorofluoromethane
Concen: 21.305 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
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ClientSampleId :
VX1230WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	164776		
103	64.6	51.6	77.4	

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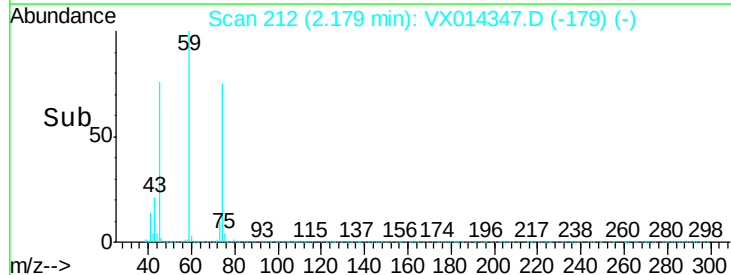
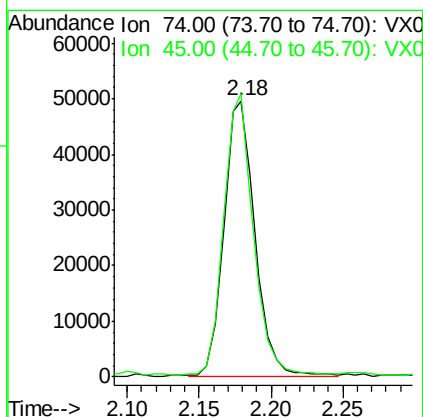
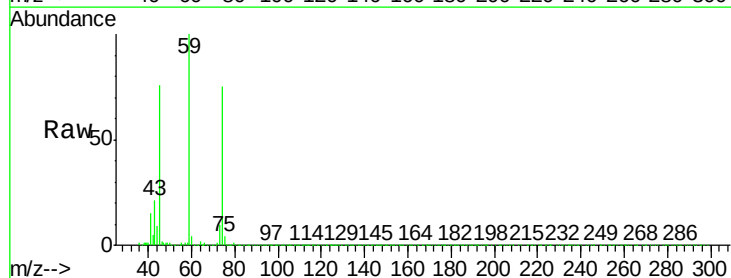
apatel
12/31/2019 9:32:32 AM

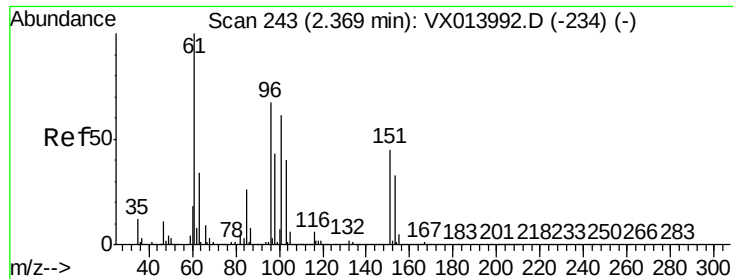


#8

Diethyl Ether
Concen: 20.977 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	74572		
45	99.4	20.6	185.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.032 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

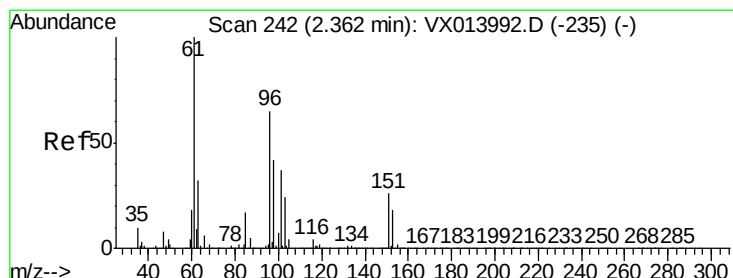
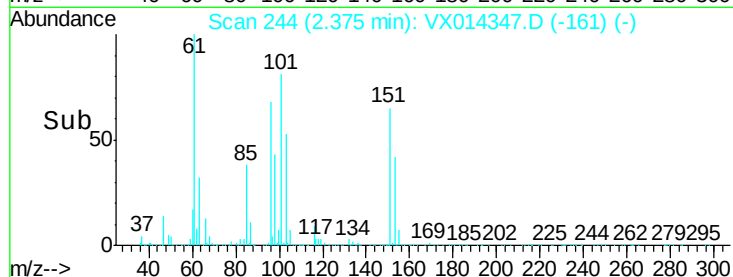
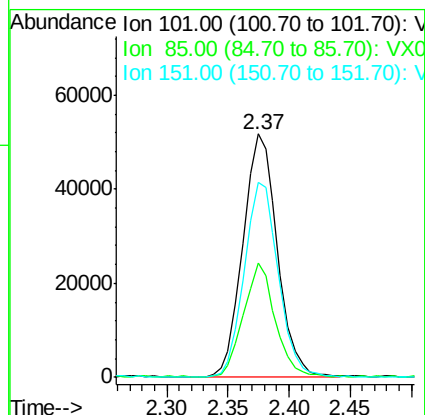
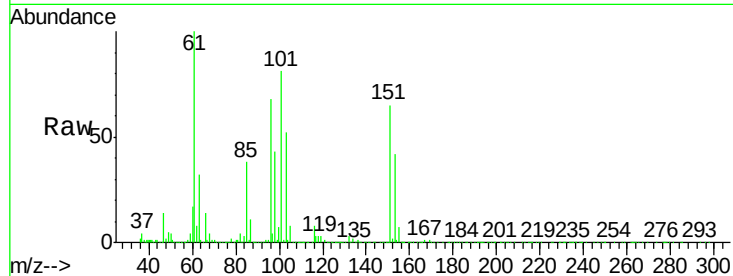
ClientSampleId :

VX1230WBS01

Tot Ion:	101	Resp:	101624
Ion Ratio	Lower	Upper	
101	100		
85	42.9	0.0	85.6
151	78.8	0.0	159.4

Manual Integrations
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12/31/2019 9:32:32 AM



#10

1,1-Dichloroethene

Concen: 20.668 ug/l

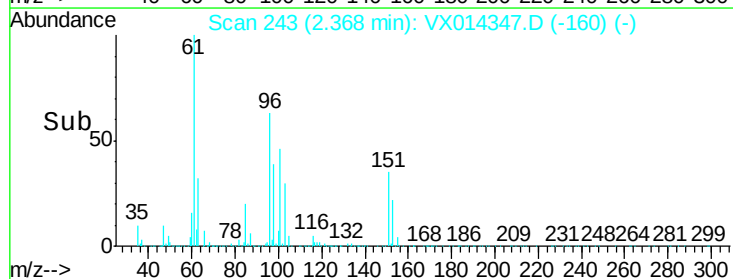
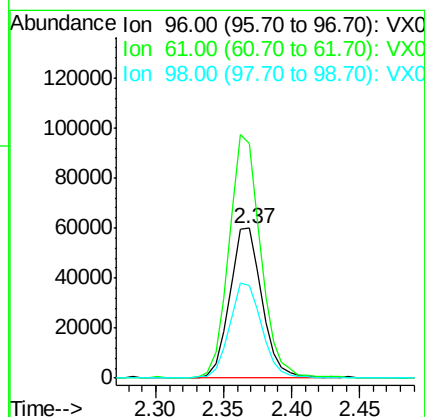
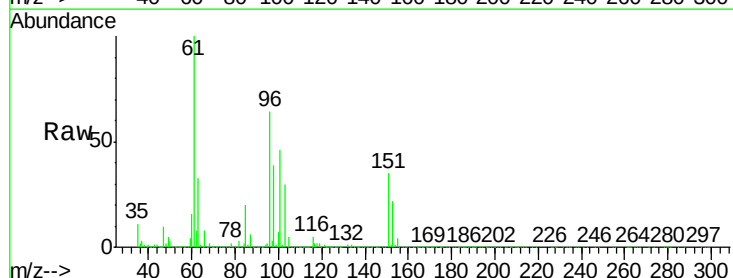
RT: 2.37 min Scan# 243

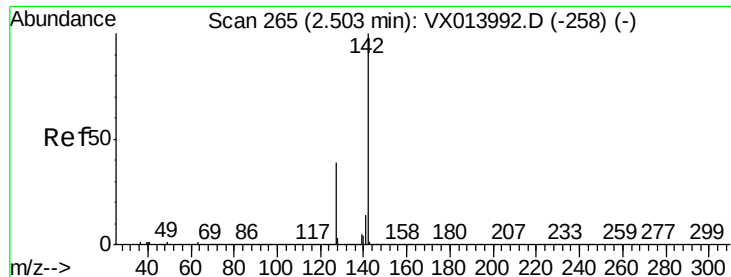
Delta R.T. 0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Tgt Ion:	96	Resp:	98561
Ion Ratio	Lower	Upper	
96	100		
61	156.5	123.0	184.6
98	61.6	51.4	77.0





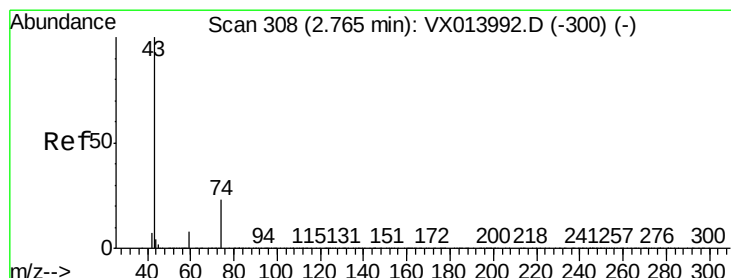
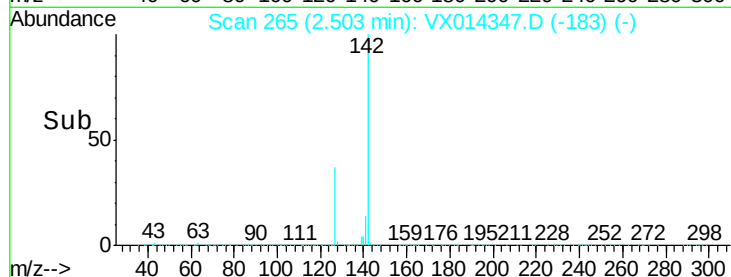
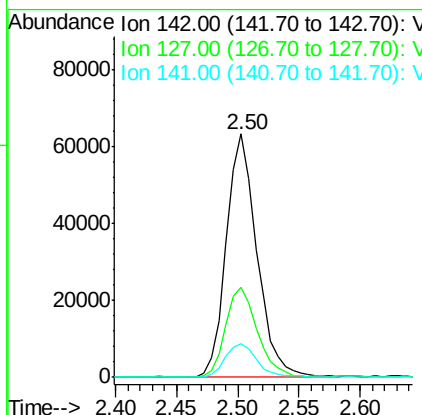
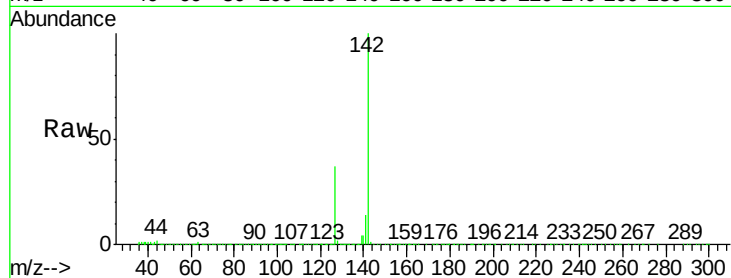
#11
Methyl Iodide
Concen: 17.845 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX1230WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	36.7	19.5	58.5
141	13.8	7.0	20.9

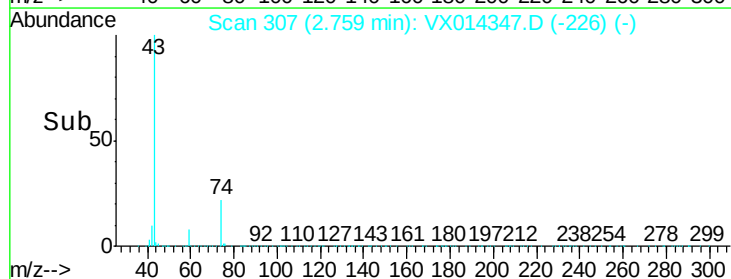
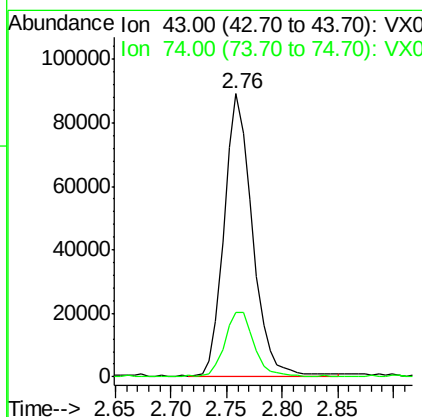
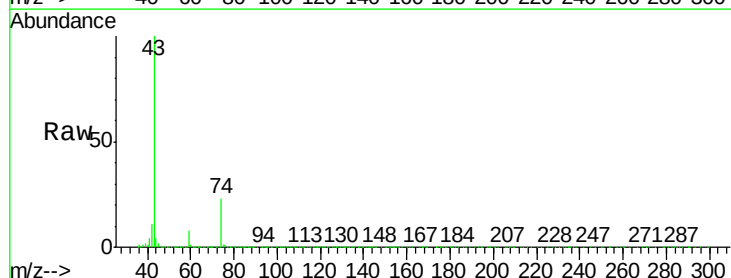
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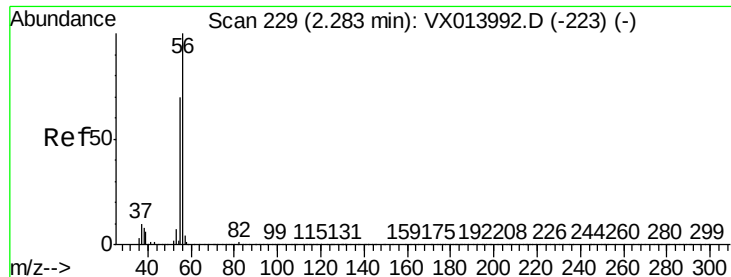
apatel
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#12
Methyl Acetate
Concen: 21.095 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.5	27.7





#13

Acrolein

Concen: 136.080 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX1230WBS01

Tot Ion: 56 Resp: 121845

Ion Ratio Lower Upper

56 100

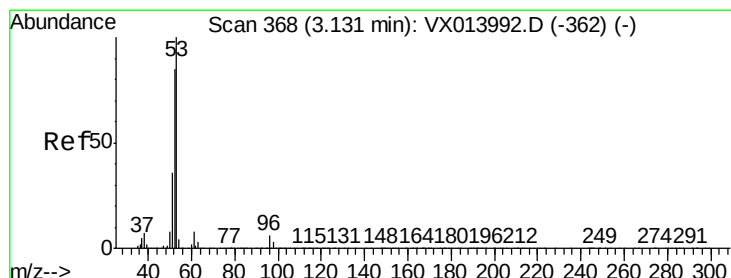
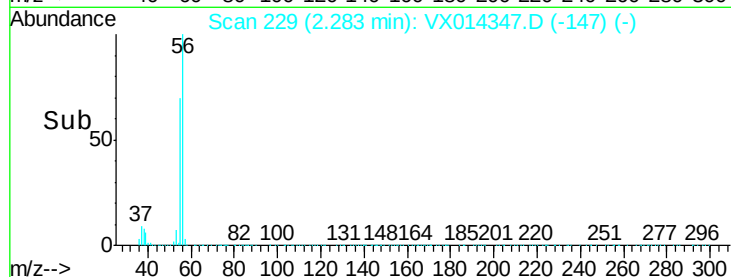
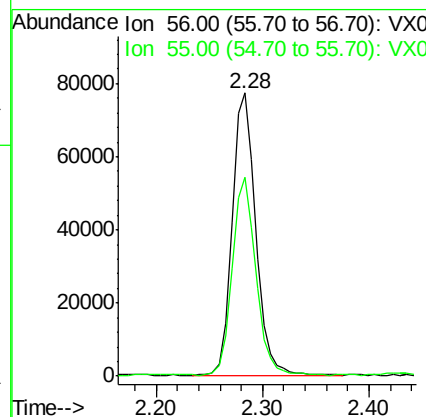
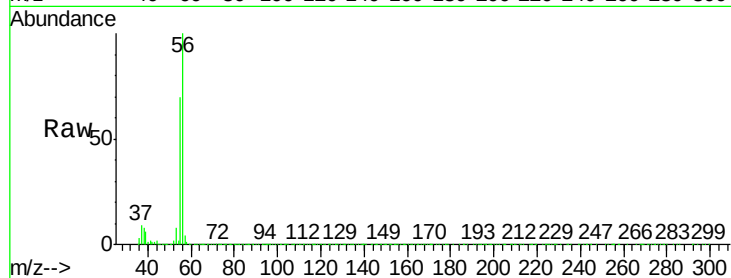
55 68.8 54.9 82.3

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#14

Acrylonitrile

Concen: 106.944 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

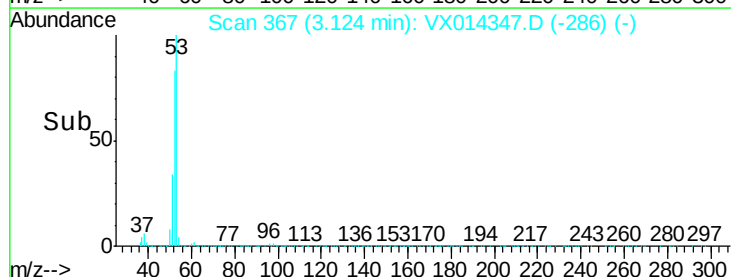
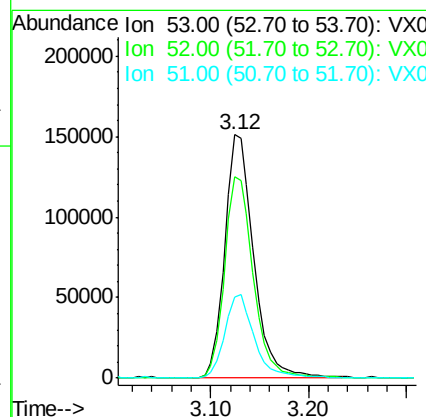
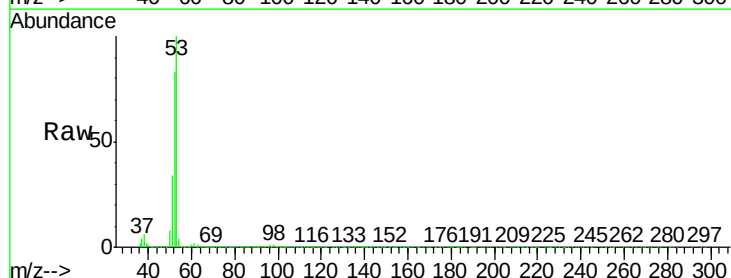
Tgt Ion: 53 Resp: 308638

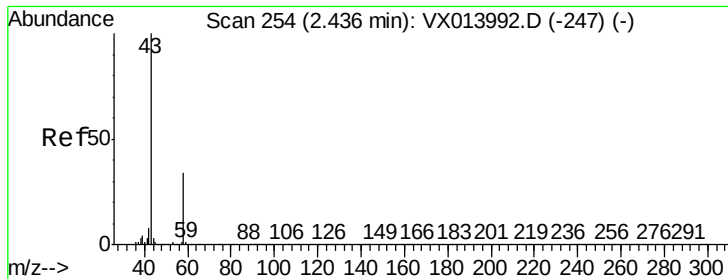
Ion Ratio Lower Upper

53 100

52 81.7 41.5 124.6

51 34.7 17.8 53.5





#15

Acetone

Concen: 107.642 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX1230WBS01

Tot Ion: 58 Resp: 91259

Ion Ratio Lower Upper

58 100

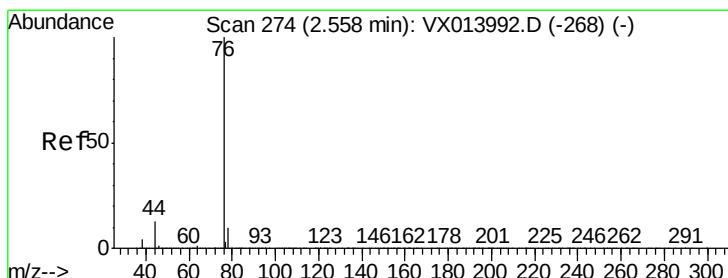
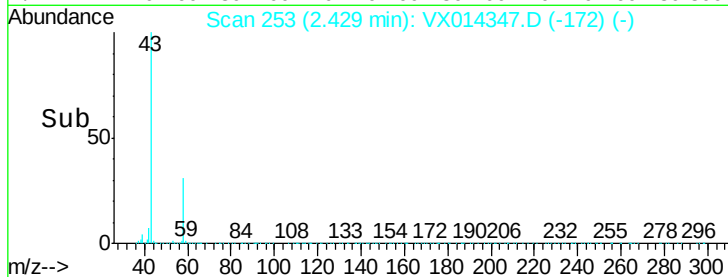
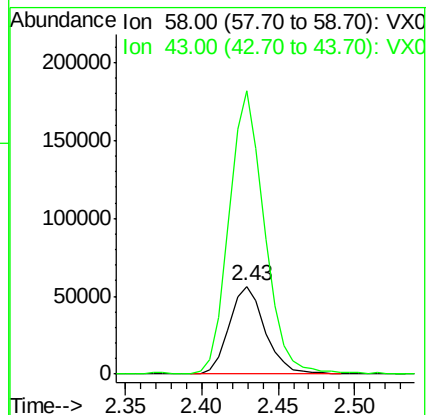
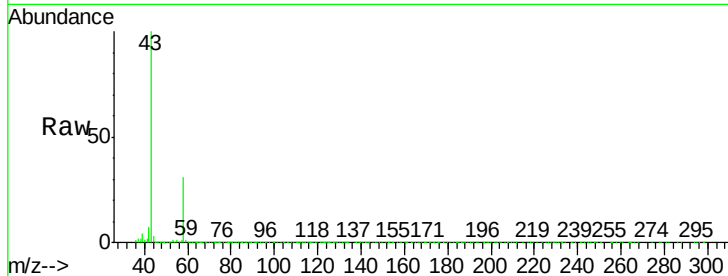
43 322.2 236.3 354.5

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#16

Carbon Disulfide

Concen: 21.020 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014347.D

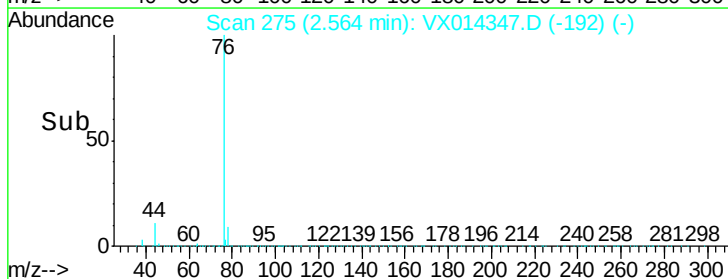
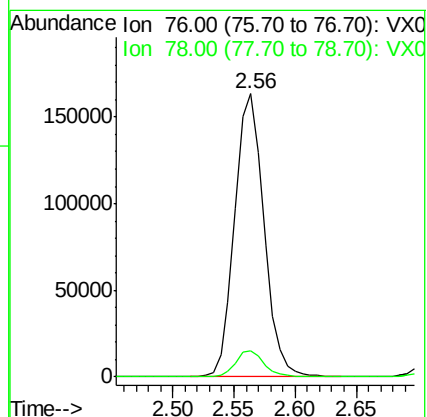
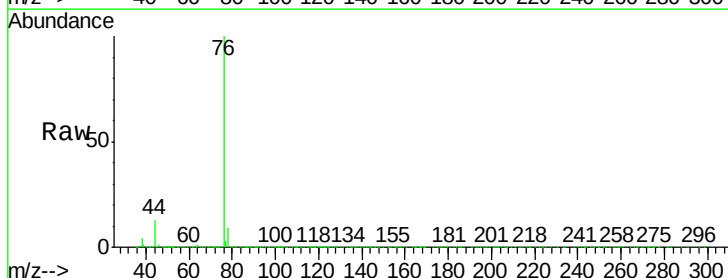
Acq: 30 Dec 2019 12:05

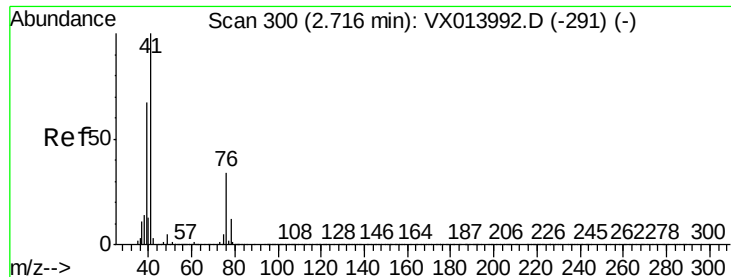
Tgt Ion: 76 Resp: 271545

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.8





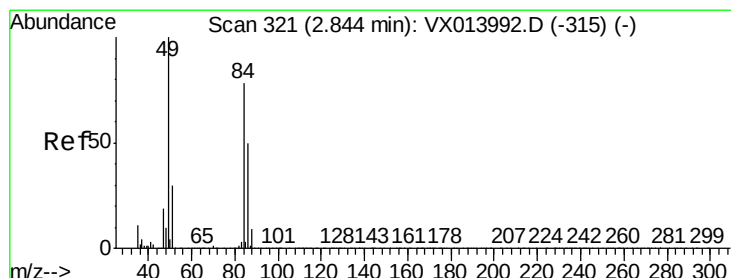
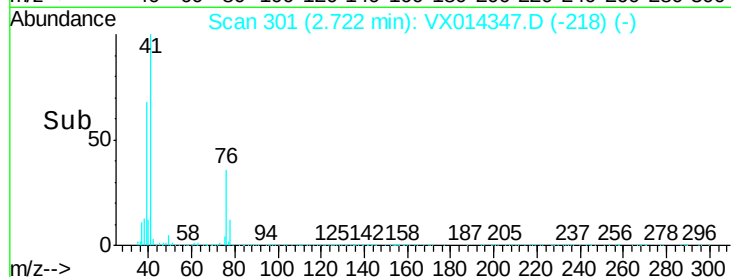
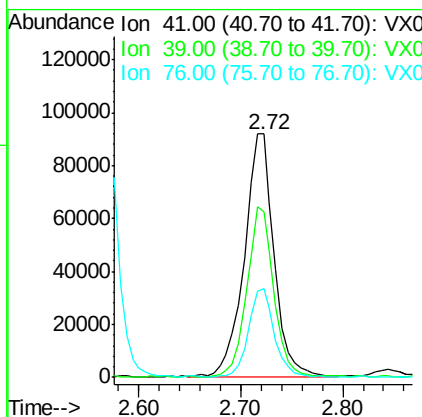
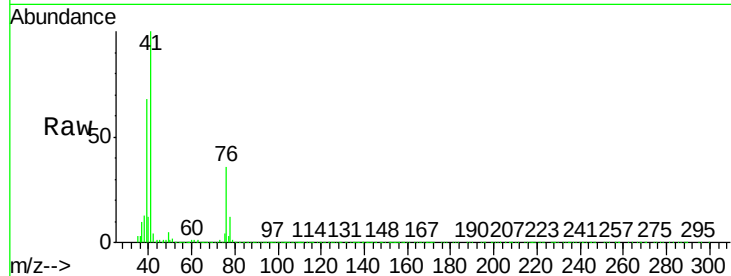
#17
Allvl chloride
Concen: 21.549 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX1230WBS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	184657		
39	67.8		33.4	100.2
76	36.0		17.0	50.9

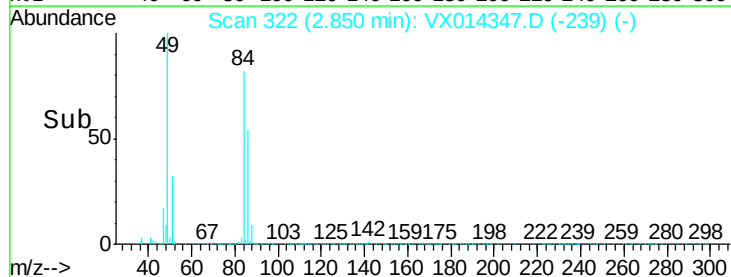
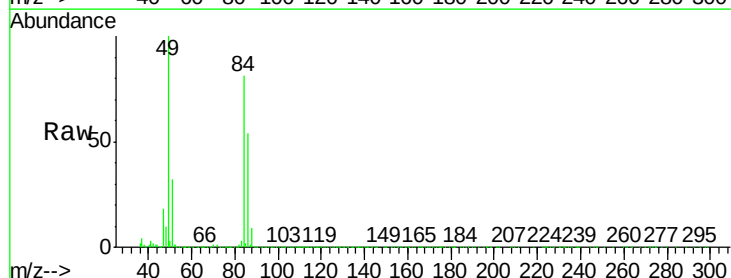
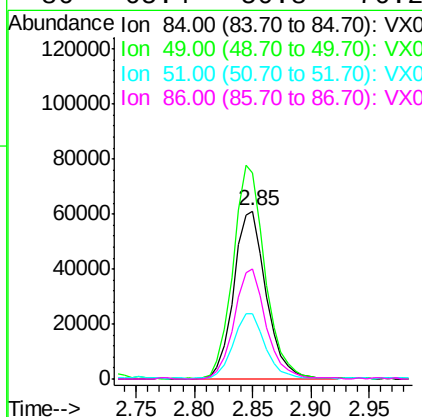
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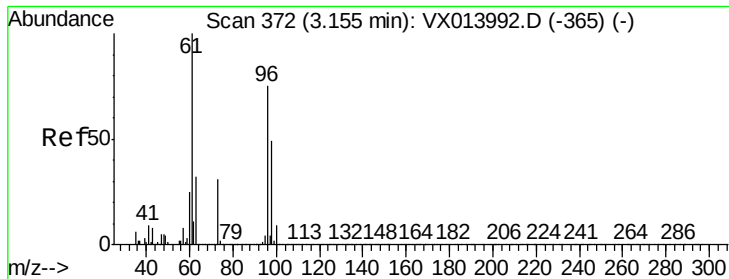
apatel
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#18
Methylene Chloride
Concen: 20.253 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	118343		
49	122.6		102.2	153.2
51	39.2		31.4	47.0
86	65.4		50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 20.508 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

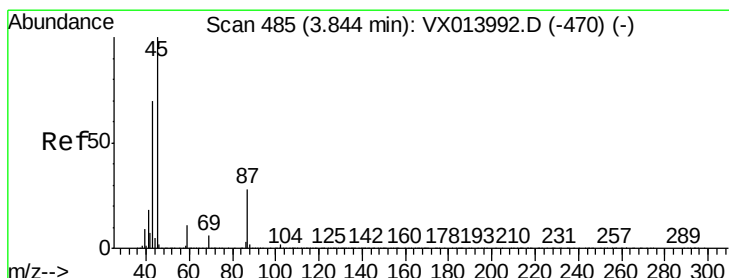
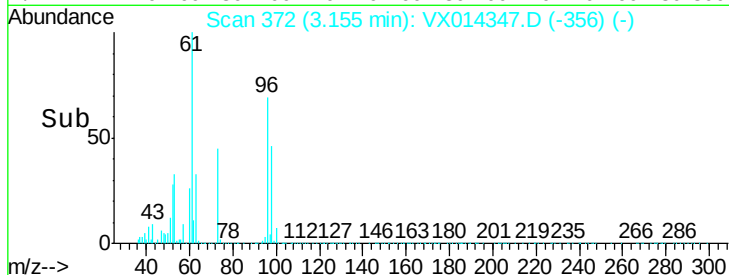
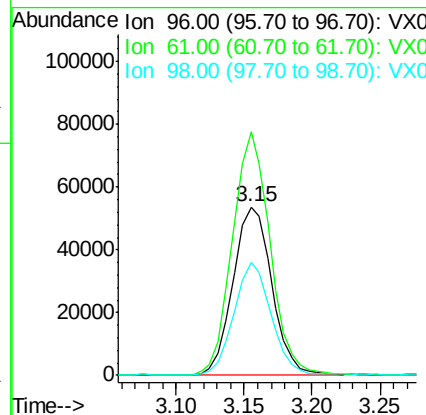
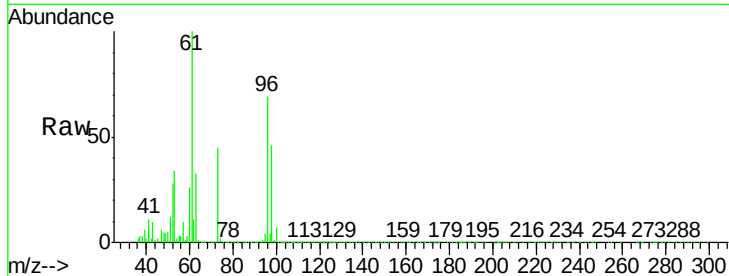
ClientSampleId :

VX1230WBS01

Tot Ion:	96	Resp:	107095
Ion Ratio	Lower	Upper	
96	100		
61	144.1	106.6	159.8
98	66.5	51.6	77.4

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#20

Diisopropyl ether

Concen: 21.135 ug/l

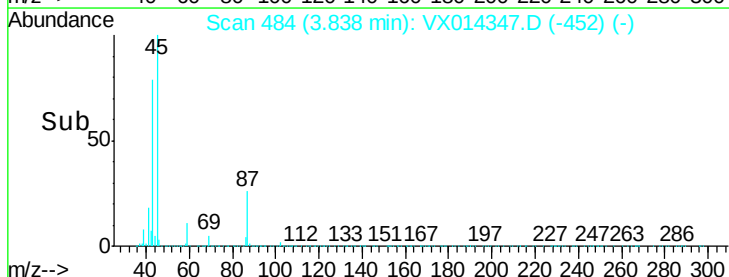
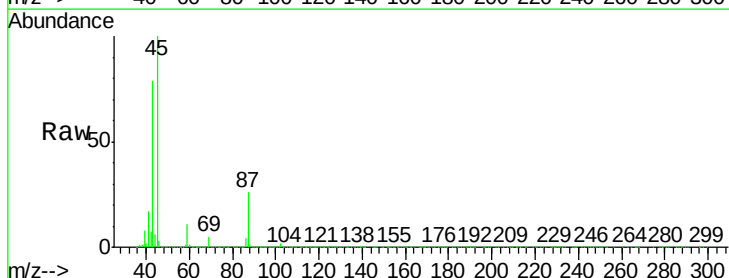
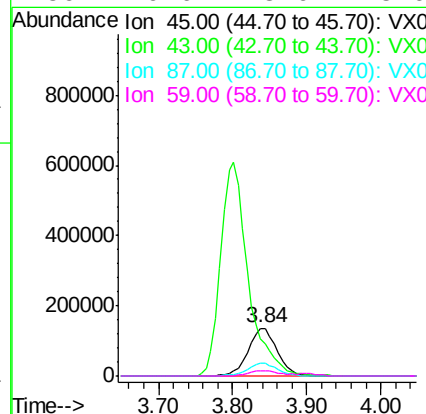
RT: 3.84 min Scan# 484

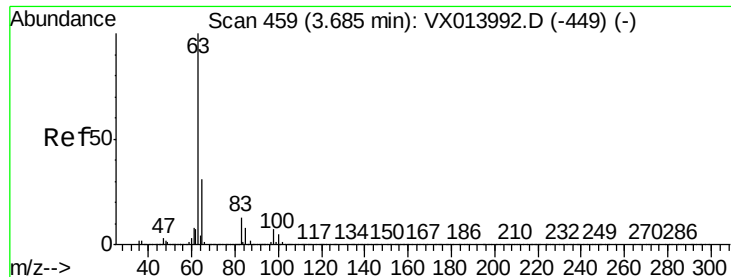
Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Tgt Ion:	45	Resp:	371616
Ion Ratio	Lower	Upper	
45	100		
43	79.1	55.9	83.9
87	26.0	22.2	33.2
59	10.6	8.6	13.0





#21

1,1-Dichloroethane

Concen: 20.811 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

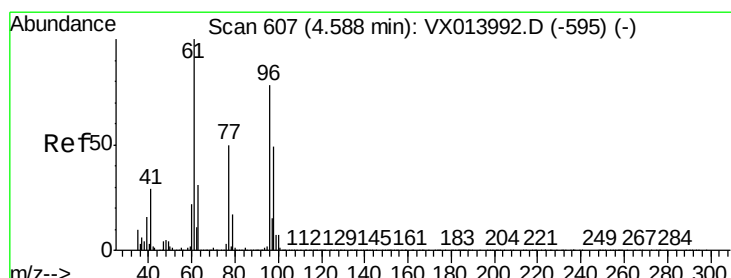
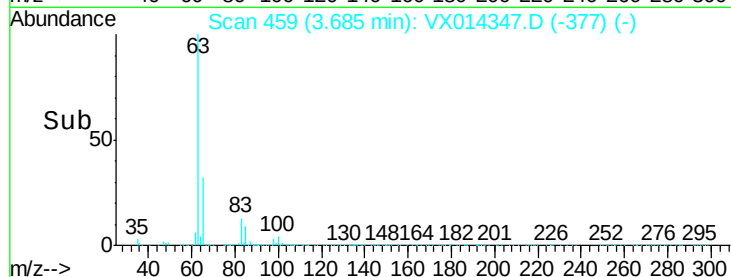
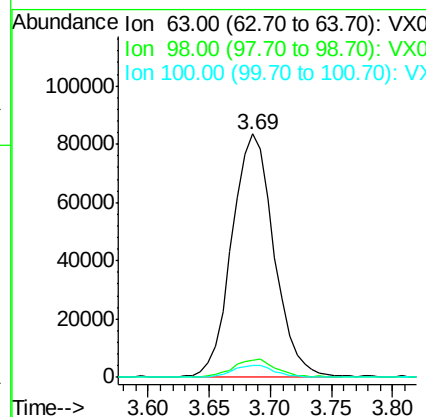
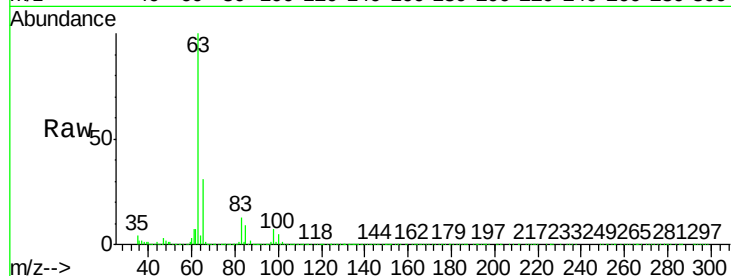
ClientSampleId :

VX1230WBS01

Tot Ion:	63	Resp:	198595
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.4	10.1
100	4.7	2.5	7.4

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#22

cis-1,2-Dichloroethene

Concen: 20.220 ug/l

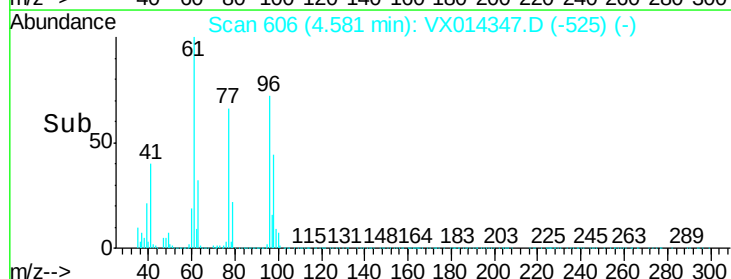
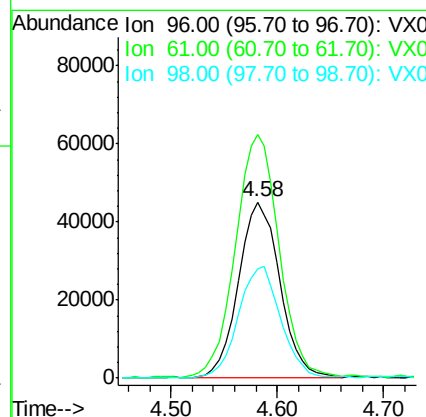
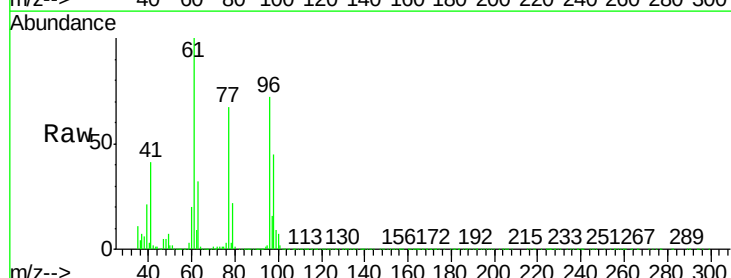
RT: 4.58 min Scan# 606

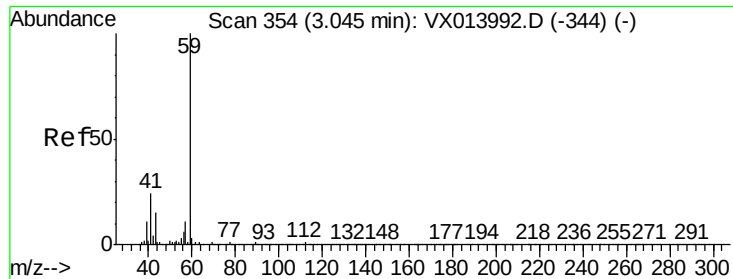
Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Tgt Ion:	96	Resp:	122406
Ion Ratio	Lower	Upper	
96	100		
61	145.2	112.4	168.6
98	64.8	50.3	75.5





#23

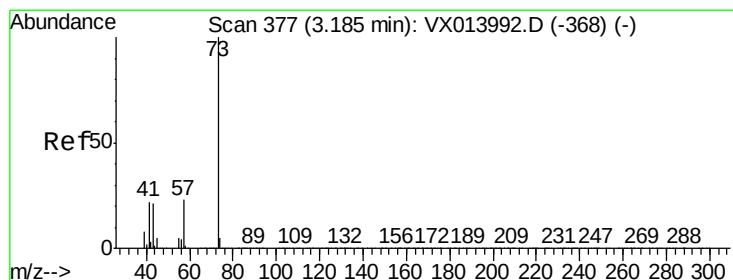
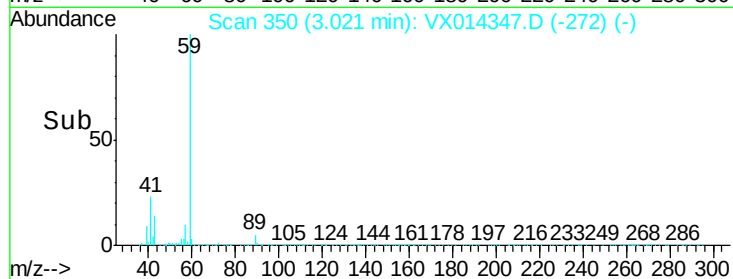
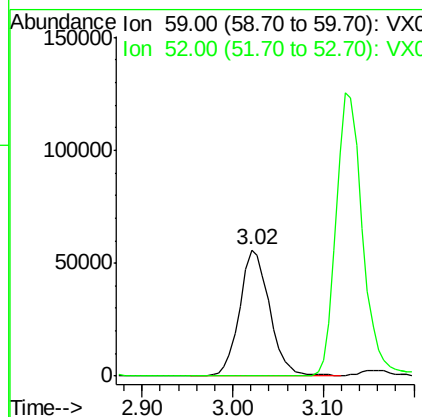
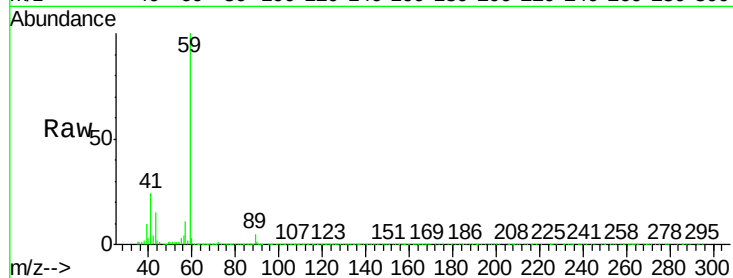
tert-Butyl Alcohol
Concen: 112.694 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX1230WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100			
52	52	0.1	0.2	0.2	#

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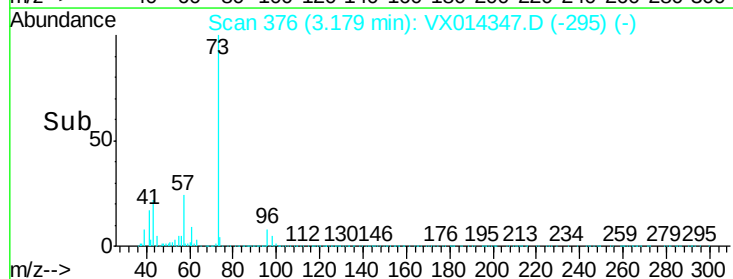
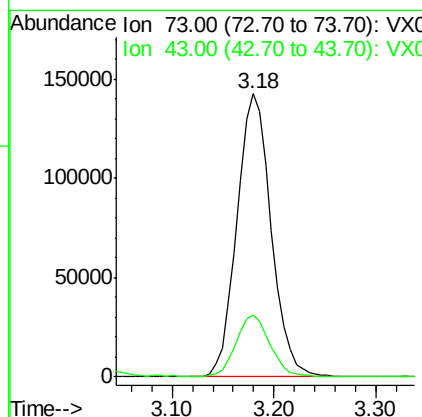
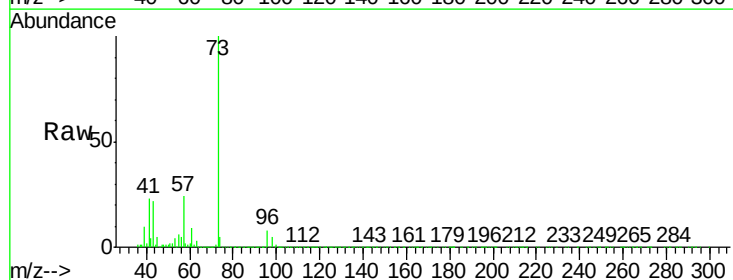
apatel
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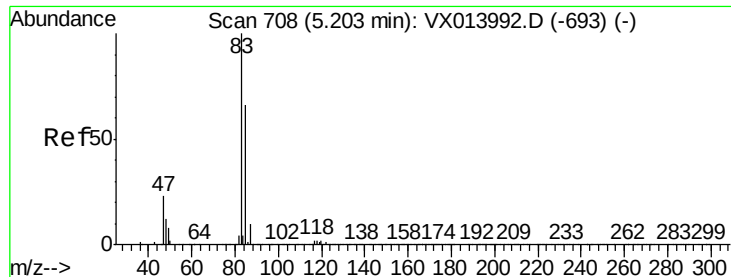


#24

Methyl tert-Butyl Ether
Concen: 20.534 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100			
43	43	21.5	16.6	25.0	





#25

Chloroform

Concen: 20.701 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX1230WBS01

Tot Ion: 83 Resp: 188334

Ion Ratio Lower Upper

83 100

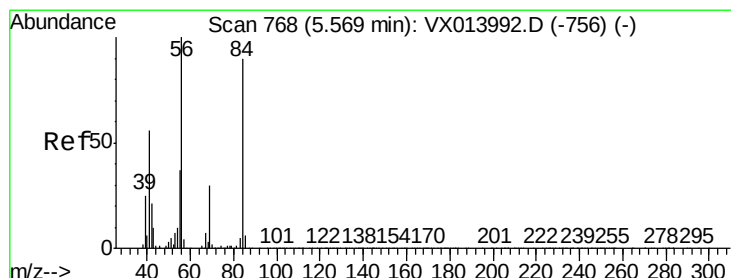
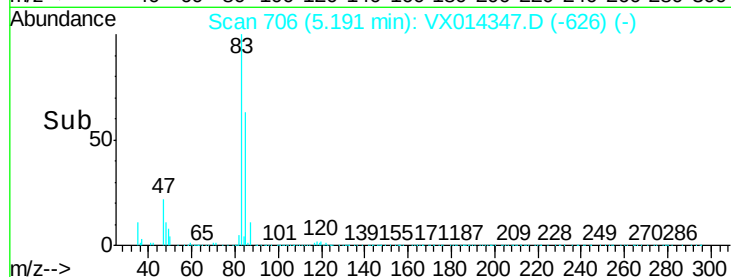
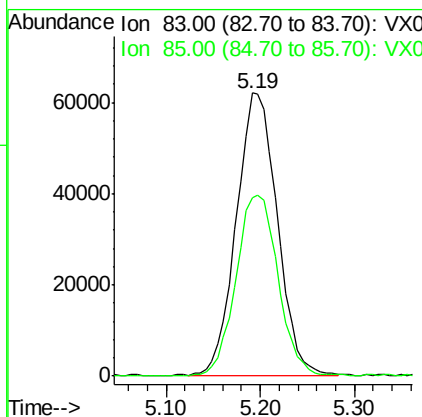
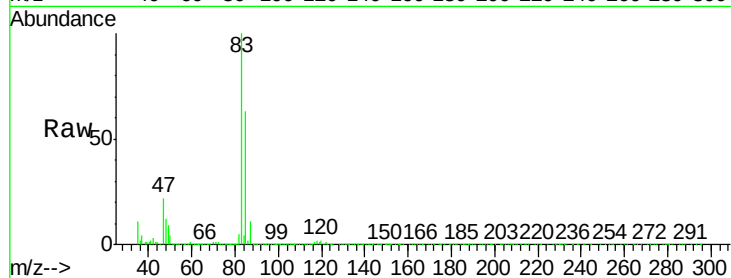
85 63.0 52.7 79.1

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#26

Cyclohexane

Concen: 21.353 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

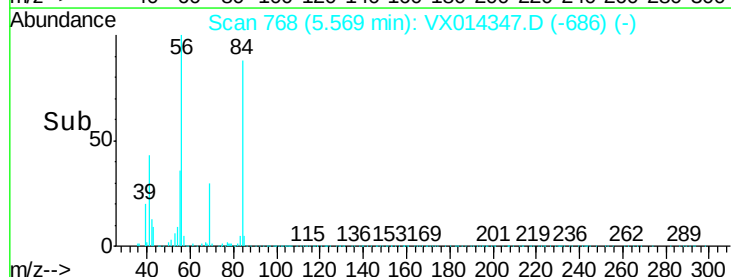
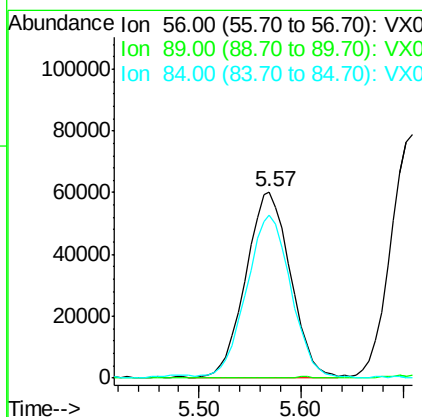
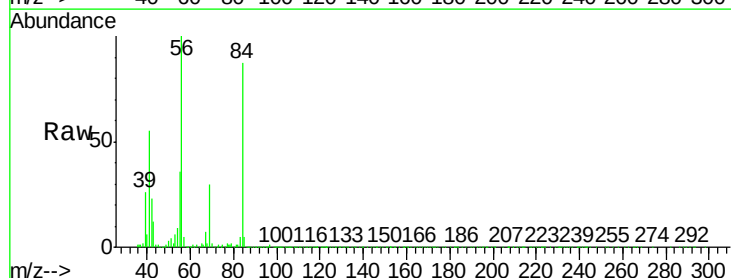
Tgt Ion: 56 Resp: 181698

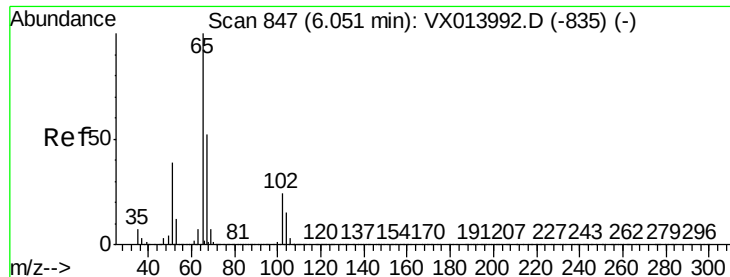
Ion Ratio Lower Upper

56 100

89 0.2 0.1 0.1#

84 87.5 70.8 106.2





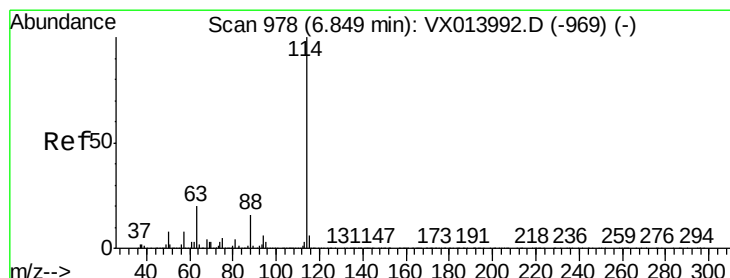
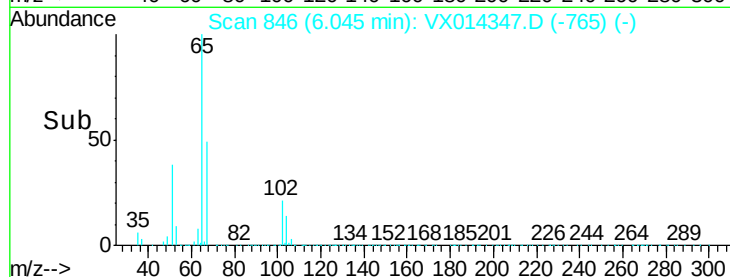
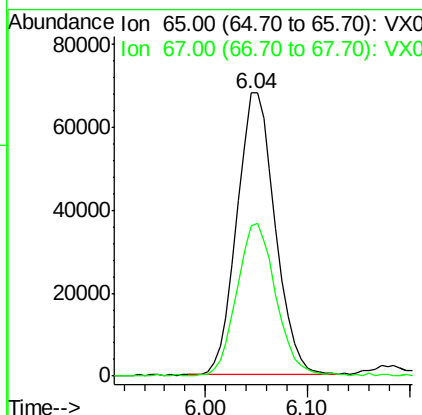
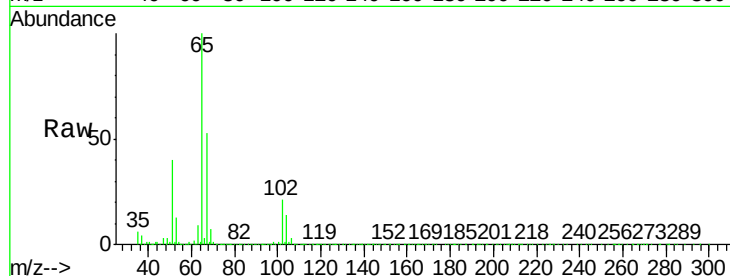
#27
 1,2-Dichloroethane-d4
 Concen: 29.068 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1230WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	43.1	64.7

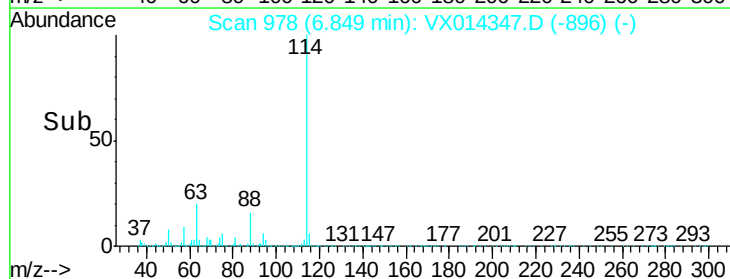
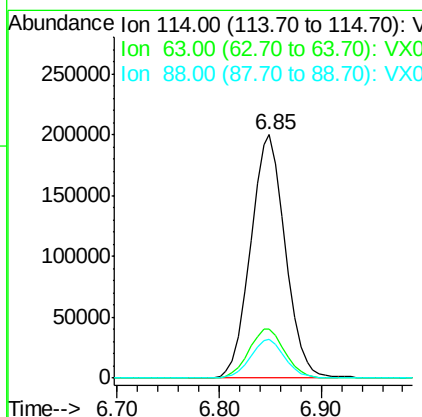
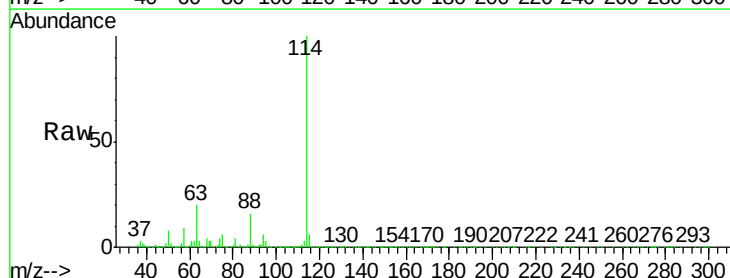
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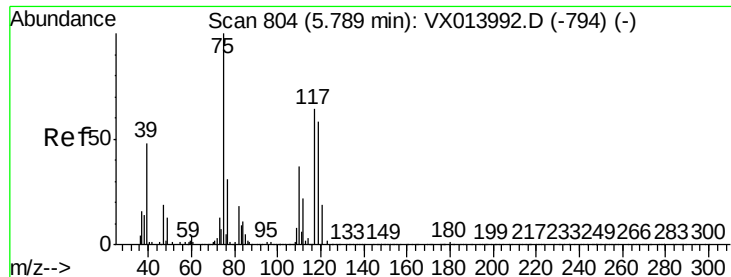
apatel
 12/31/2019 9:32:32 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	16.1	24.1
88	15.6	12.5	18.7





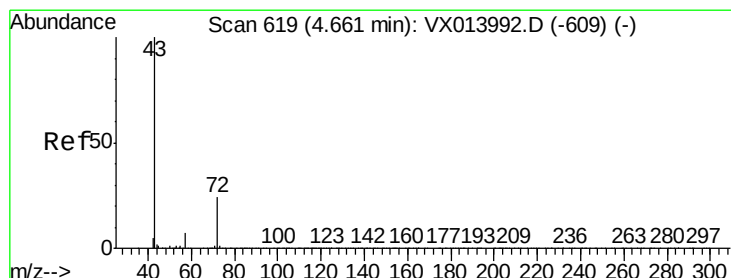
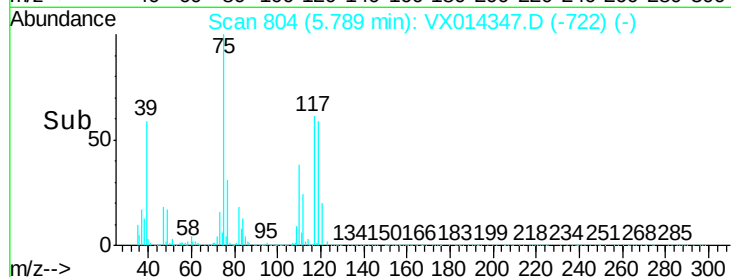
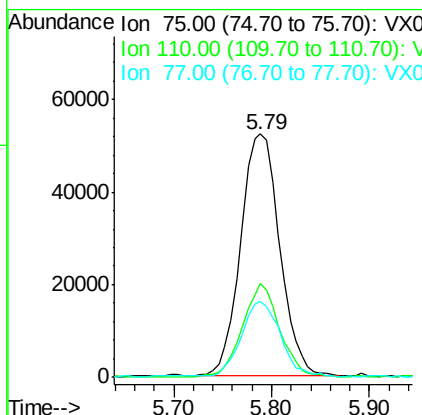
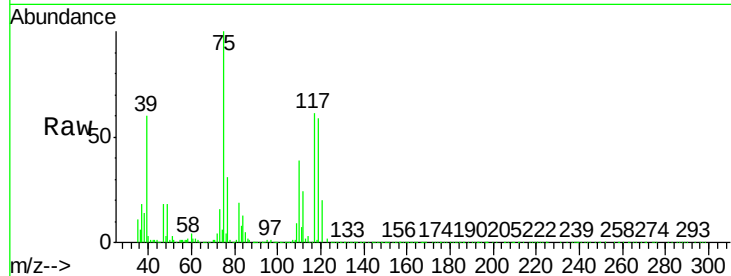
#29
 1,1-Dichloropropene
 Concen: 21.143 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1230WBS01

Tot Ion:	75	Resp:	143715
Ion Ratio	Lower	Upper	
75	100		
110	36.6	0.0	73.8
77	31.5	0.0	62.4

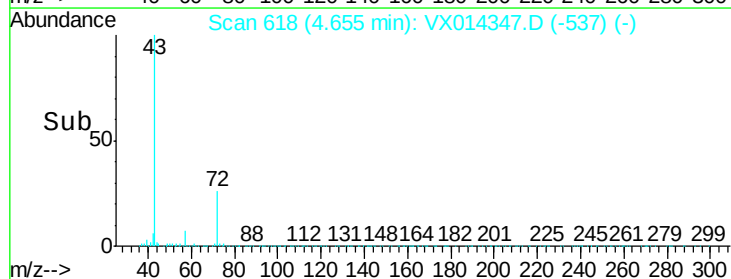
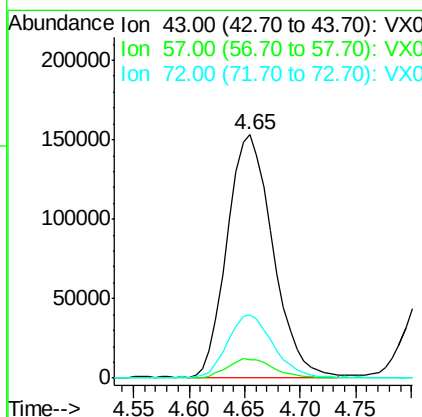
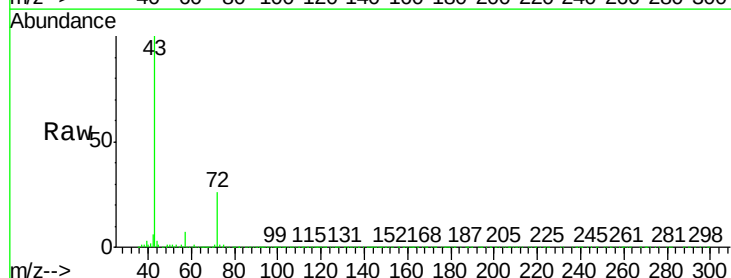
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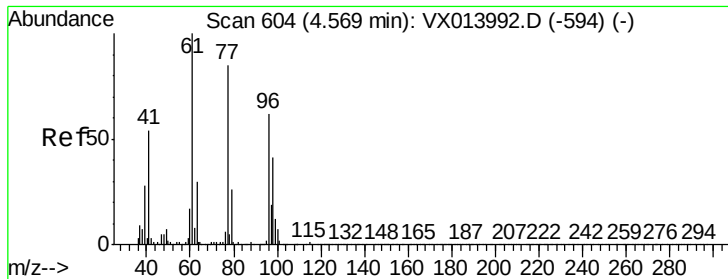
apatel
 12/31/2019 9:32:32 AM



#30
 2-Butanone
 Concen: 108.290 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Tgt Ion:	43	Resp:	433856
Ion Ratio	Lower	Upper	
43	100		
57	7.9	6.2	9.2
72	26.1	20.3	30.5





#31

2,2-Dichloropropane

Concen: 24.518 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX1230WBS01

Tot Ion: 77 Resp: 154158

Ion Ratio Lower Upper

77 100

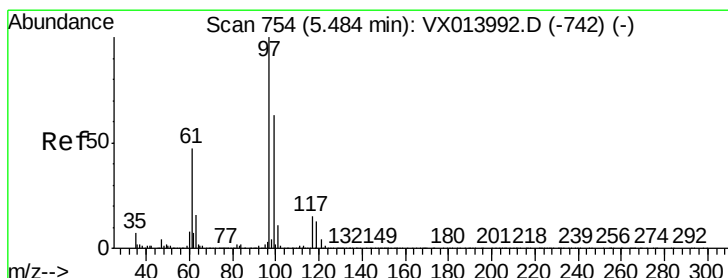
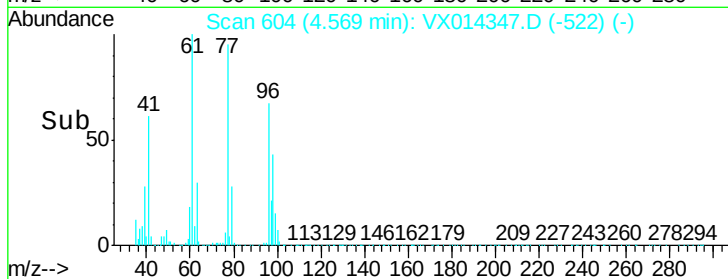
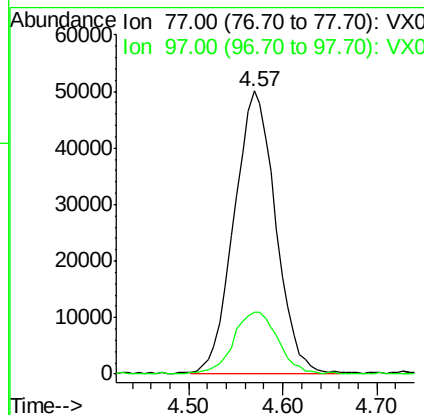
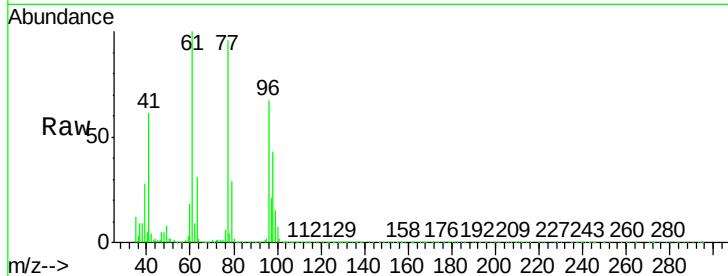
97 23.4 19.7 29.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.920 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

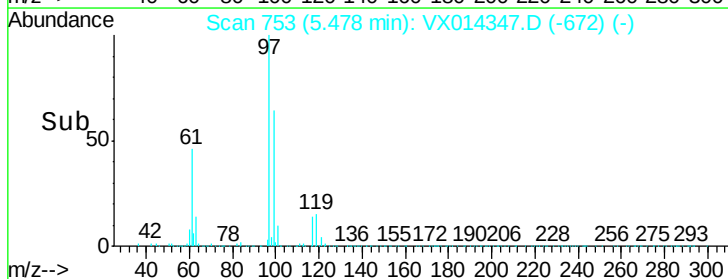
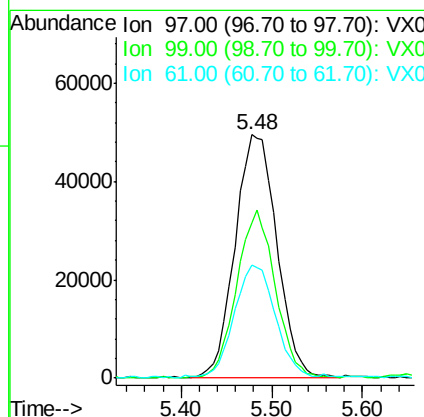
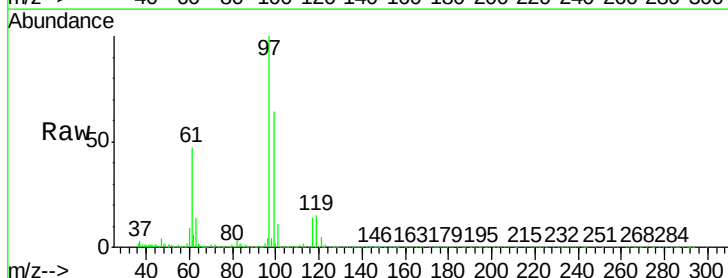
Tgt Ion: 97 Resp: 157279

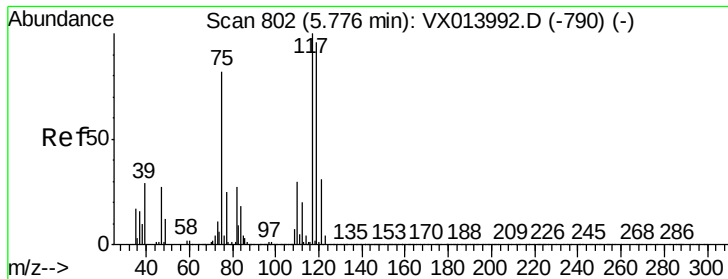
Ion Ratio Lower Upper

97 100

99 64.3 51.9 77.9

61 44.8 36.8 55.2





#33

Carbon Tetrachloride

Concen: 20.847 ug/l

RT: 5.78 min Scan# 802

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

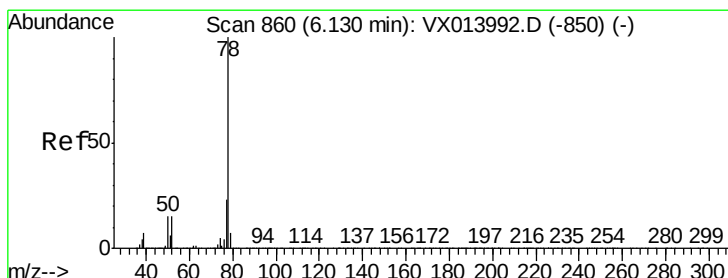
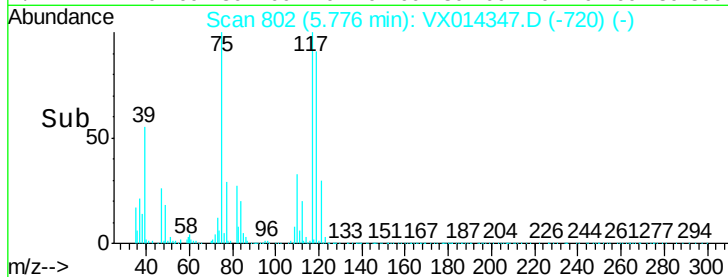
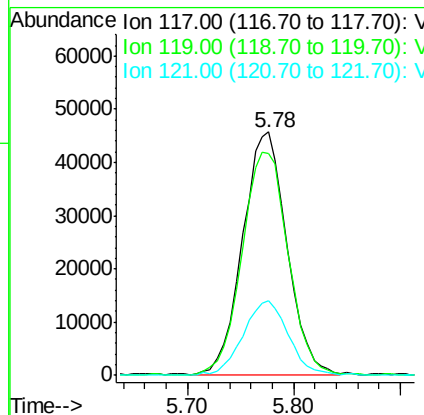
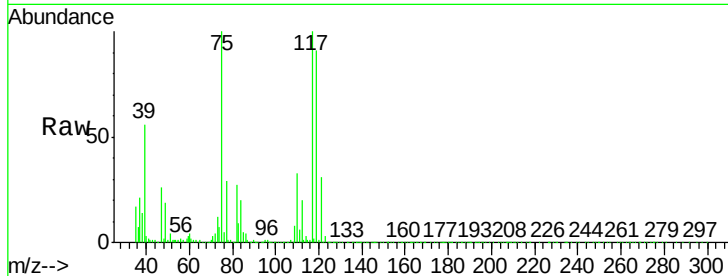
ClientSampleId :

VX1230WBS01

Tot Ion:	117	Resp:	133236
Ion Ratio	Lower	Upper	
117	100		
119	91.0	77.2	115.8
121	30.6	24.8	37.2

Manual Integrations
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#34

Benzene

Concen: 21.298 ug/l

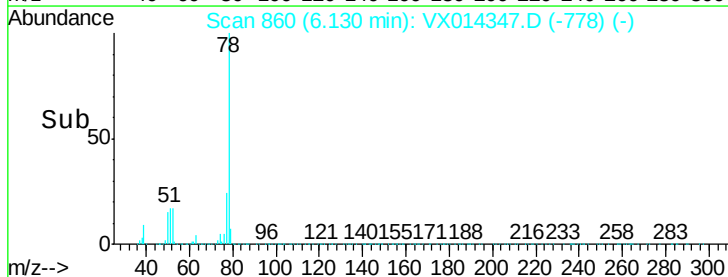
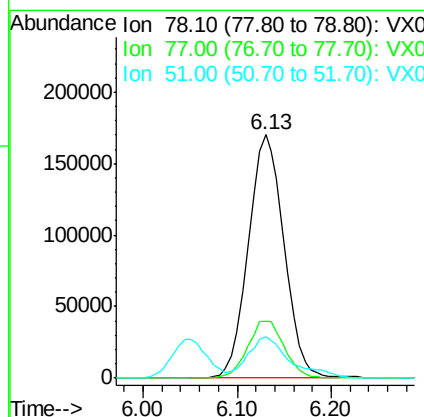
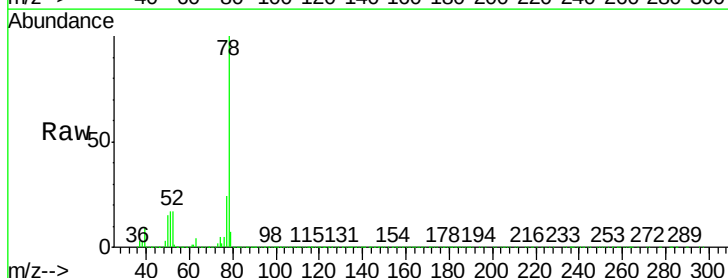
RT: 6.13 min Scan# 860

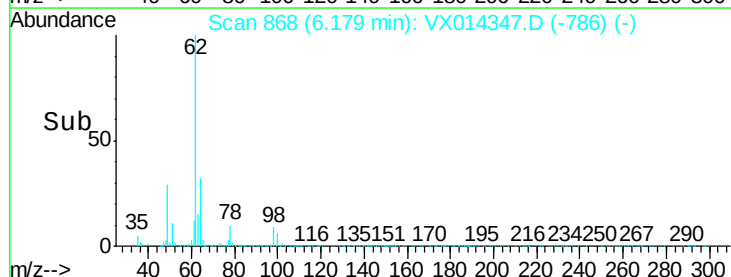
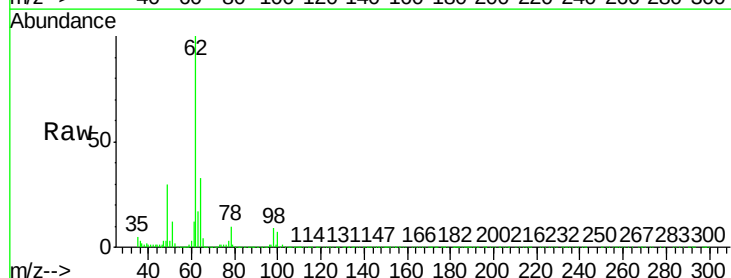
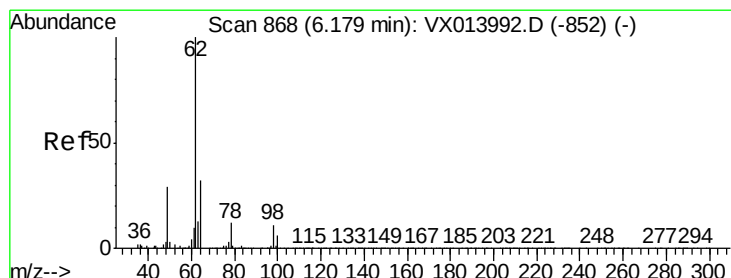
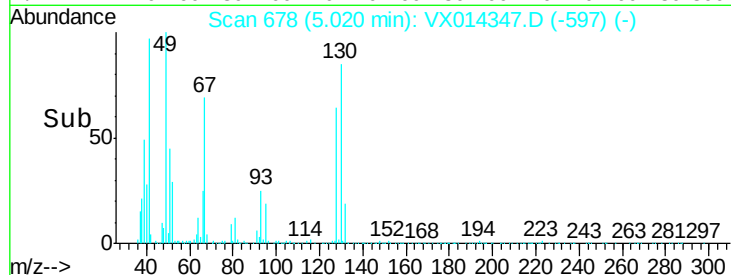
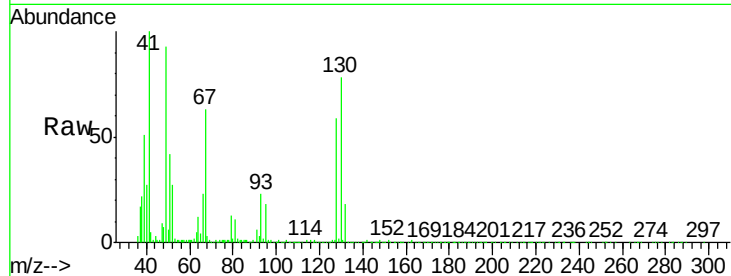
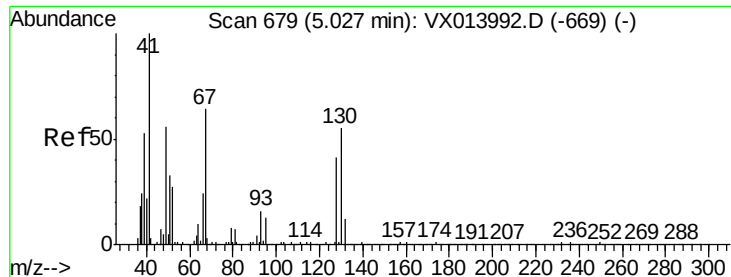
Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

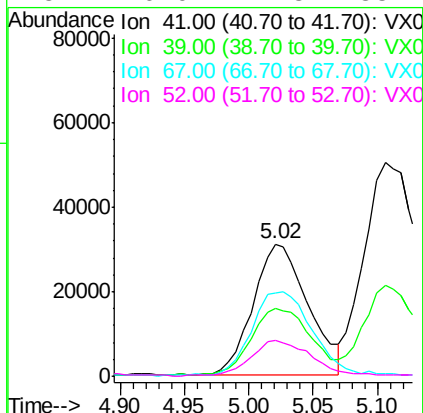
Tgt Ion:	78	Resp:	451403
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.2	27.2
51	16.3	12.4	18.6





#35
Methacrylonitrile
Concen: 21.329 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		91906		
39	50.8	26.7	80.1		
67	63.5	31.5	94.5		
52	26.0	12.8	38.4		



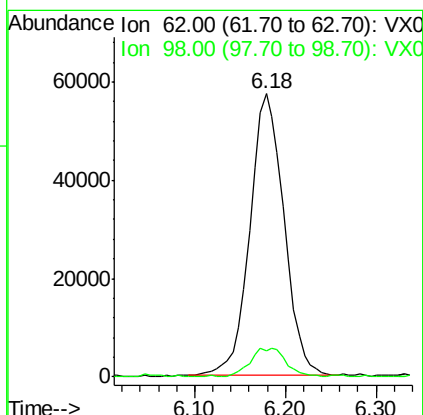
Instrument :
MSVOA_X
ClientSampleId :
VX1230WBS01

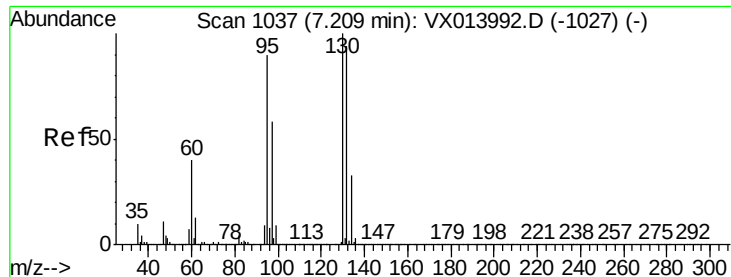
Manual Integrations
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#36
1,2-Dichloroethane
Concen: 20.291 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		149385		
98	5.1	8.4	12.6#		





#37

Trichloroethene

Concen: 21.050 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX1230WBS01

Tot Ion:130 Resp: 121397

Ion Ratio Lower Upper

130 100

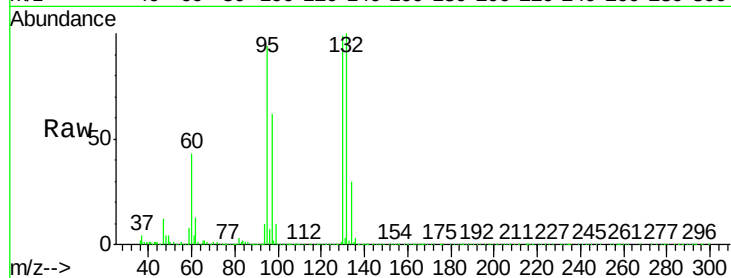
95 95.0 71.7 107.5

Manual Integrations

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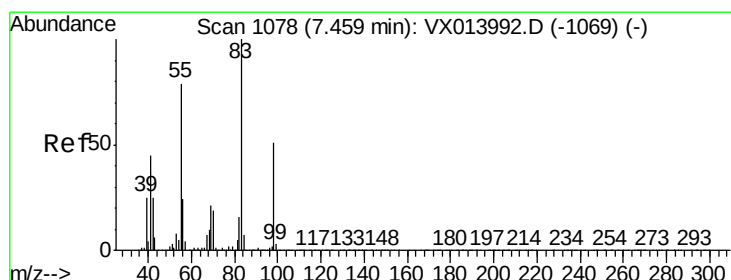
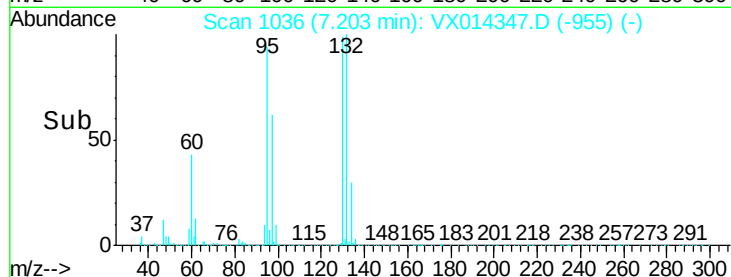
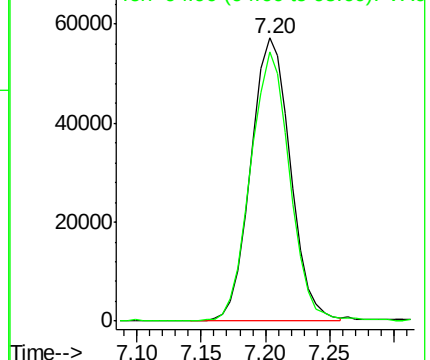
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 22.888 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

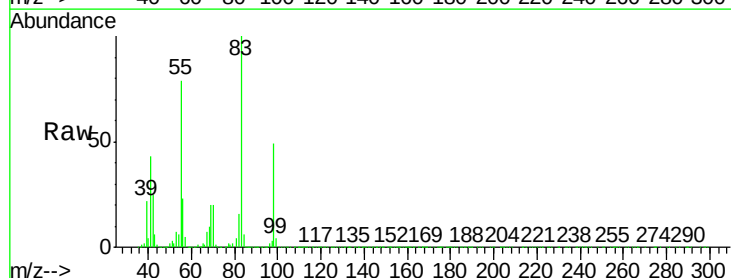
Tgt Ion: 83 Resp: 185574

Ion Ratio Lower Upper

83 100

55 77.1 39.4 118.1

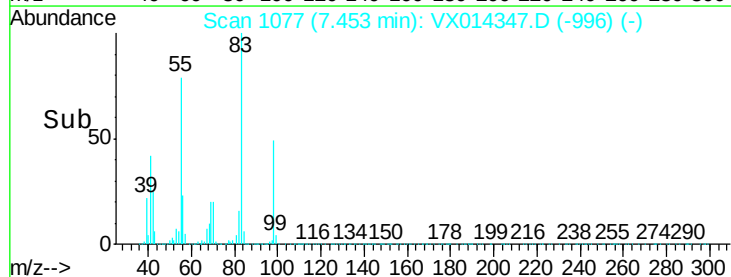
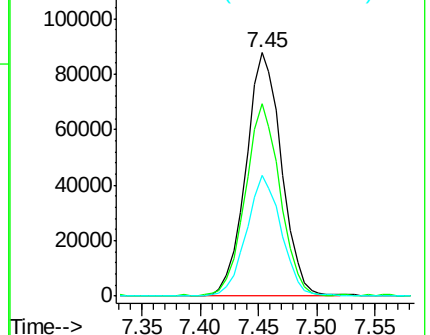
98 48.8 25.1 75.3

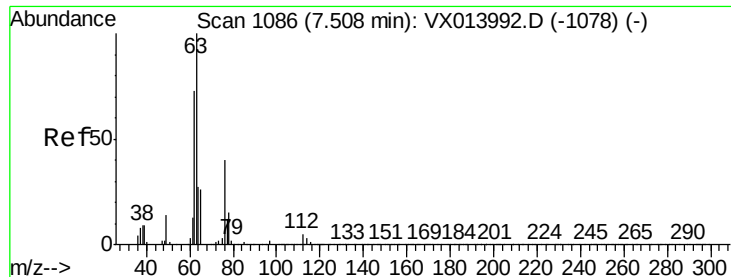


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





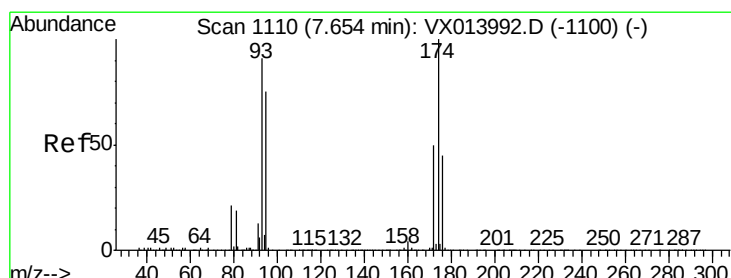
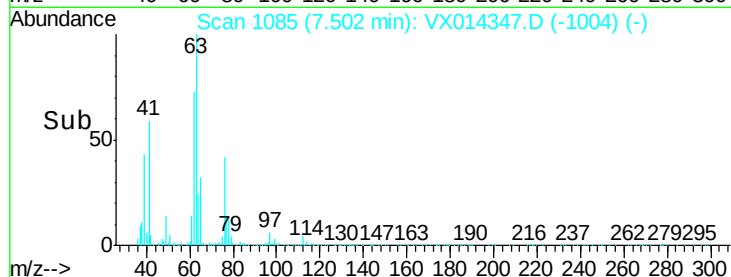
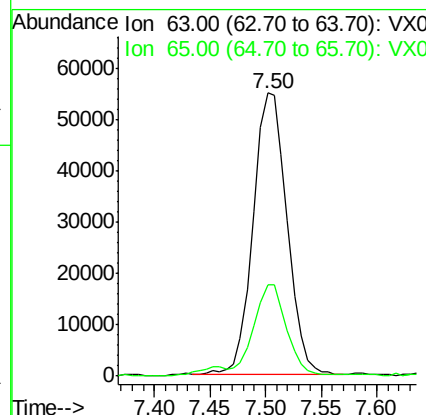
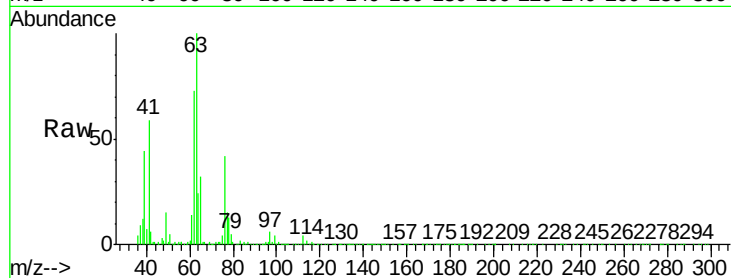
#39
 1,2-Dichloropropane
 Concen: 21.241 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1230WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.1	33.1

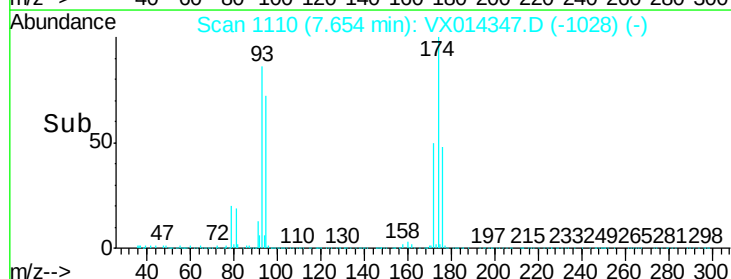
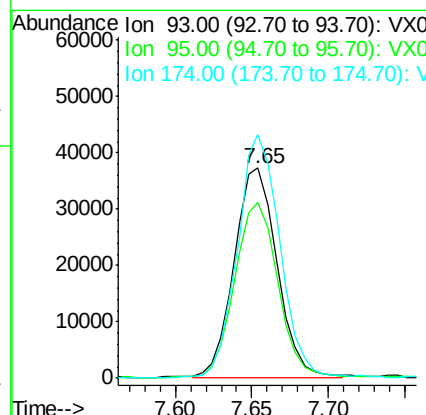
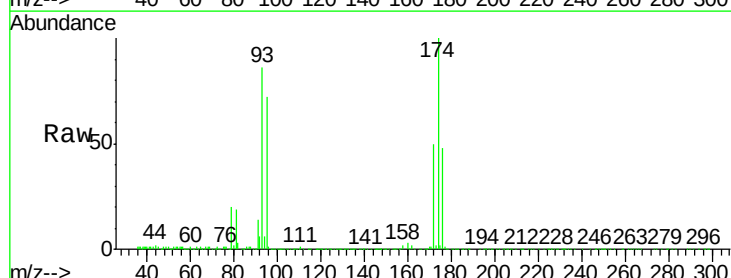
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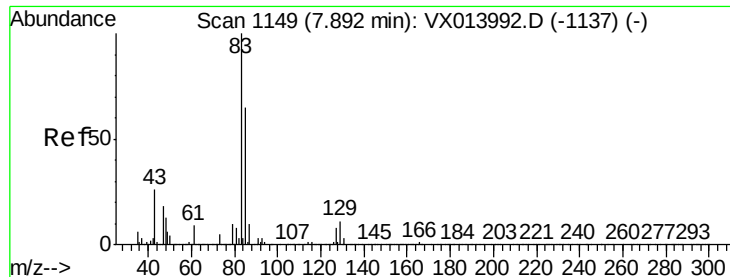
apatel
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#40
 Dibromomethane
 Concen: 20.622 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	0.0	164.4
174	116.2	0.0	228.8





#41

Bromodichloromethane

Concen: 21.127 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

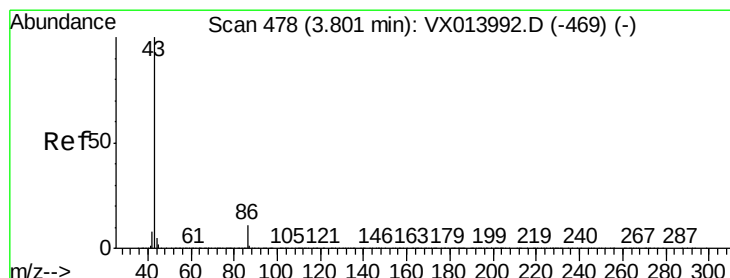
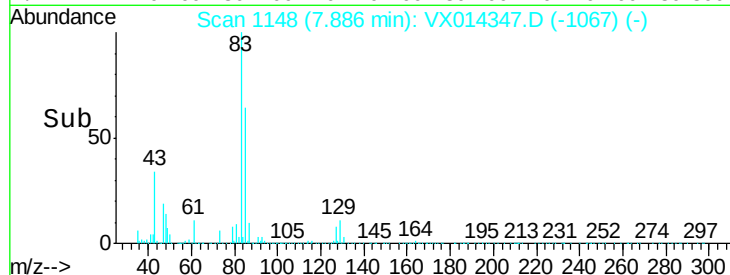
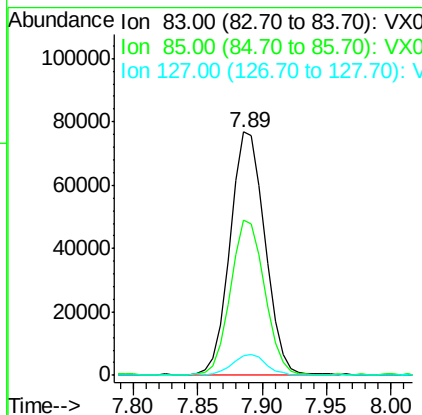
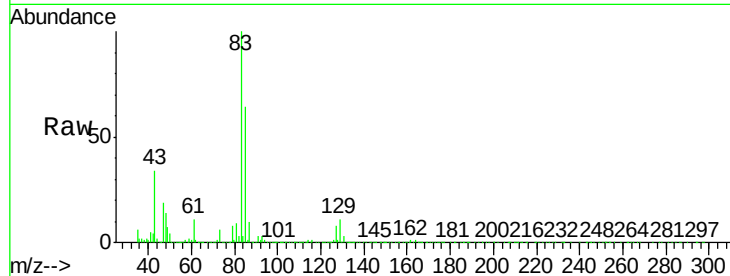
ClientSampleId :

VX1230WBS01

Tot Ion:	83	Resp:	143858
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.6	77.4
127	7.8	6.0	9.0

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#42

Vinyl Acetate

Concen: 110.702 ug/l

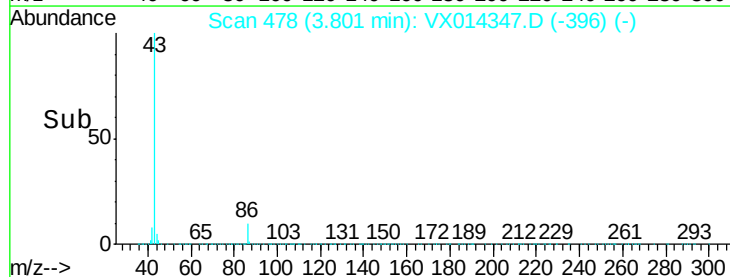
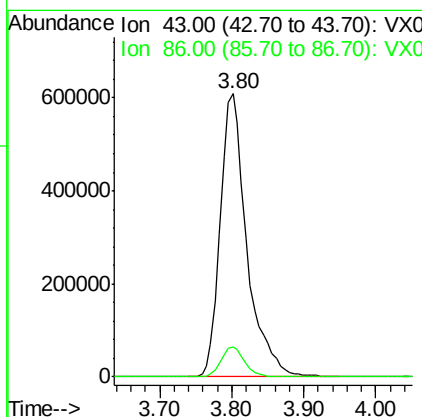
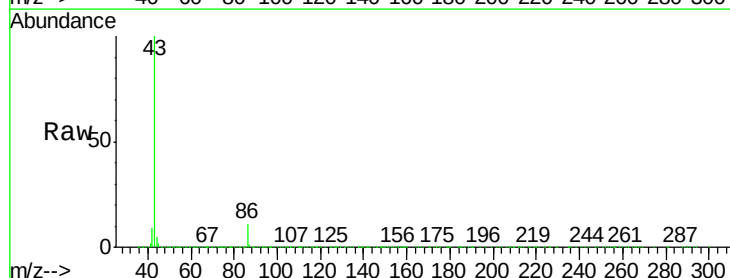
RT: 3.80 min Scan# 478

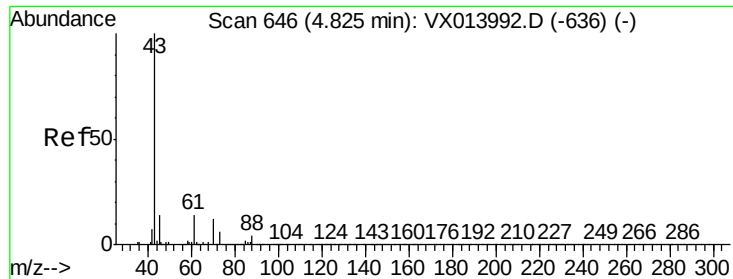
Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Tgt Ion:	43	Resp:	1565878
Ion Ratio	Lower	Upper	
43	100		
86	9.4	7.7	11.5





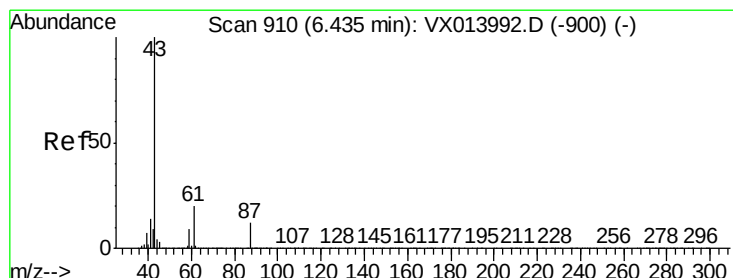
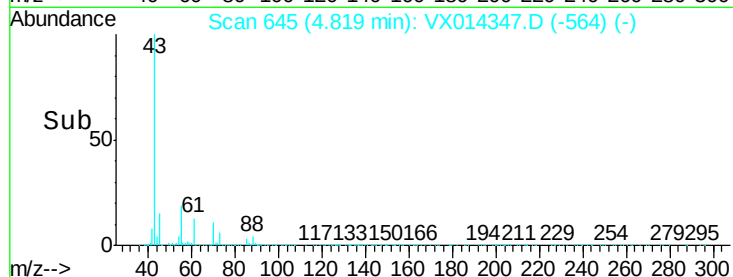
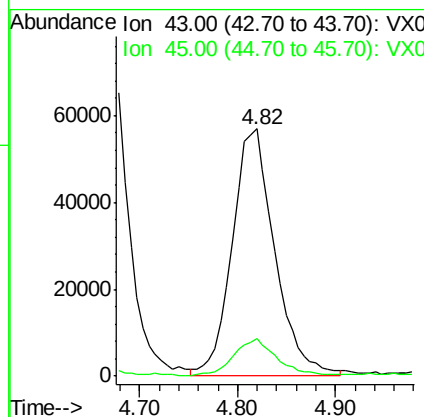
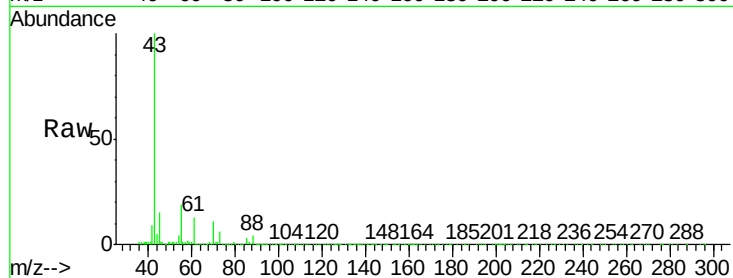
#43
Ethyl Acetate
Concen: 22.159 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX1230WBS01

Tot Ion	43	Ratio	Lower	Upper
170350	100			
45	14.8	11.8	17.8	

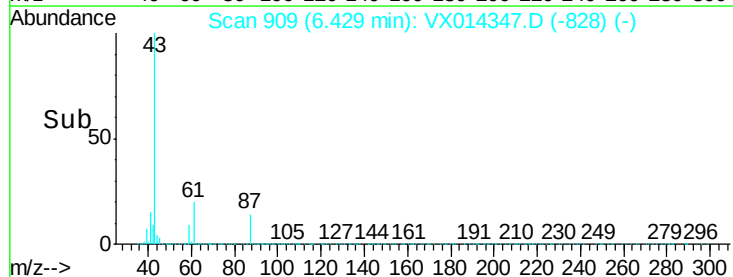
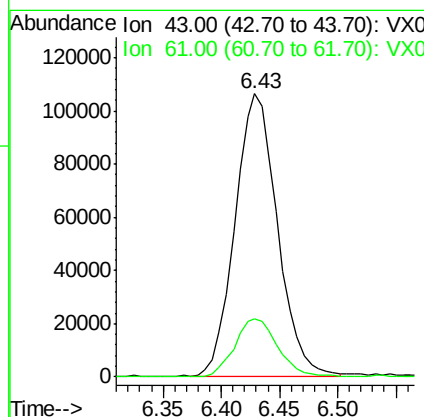
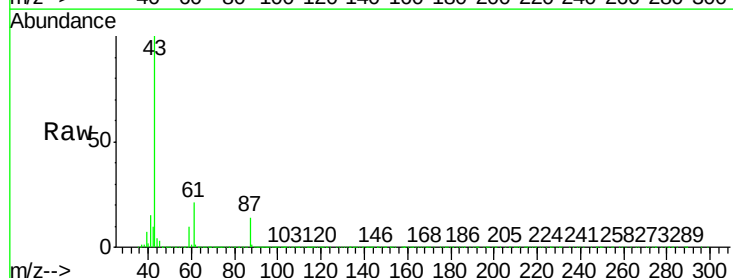
Manual Integrations
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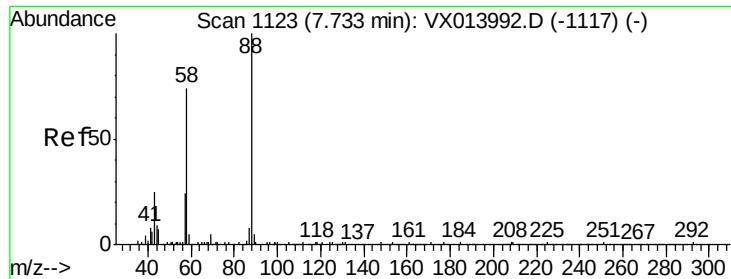
apatel
12/31/2019 9:32:32 AM



#44
Isopropyl Acetate
Concen: 20.827 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	43	Ratio	Lower	Upper
268167	100			
61	20.7	15.9	23.9	





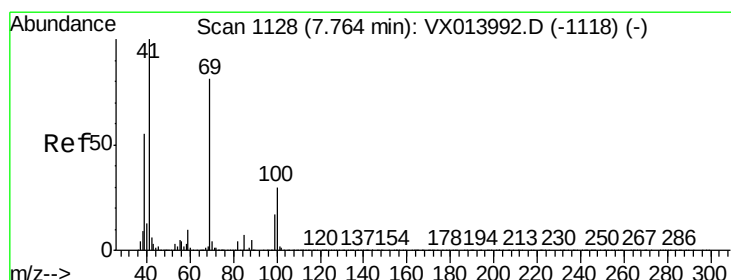
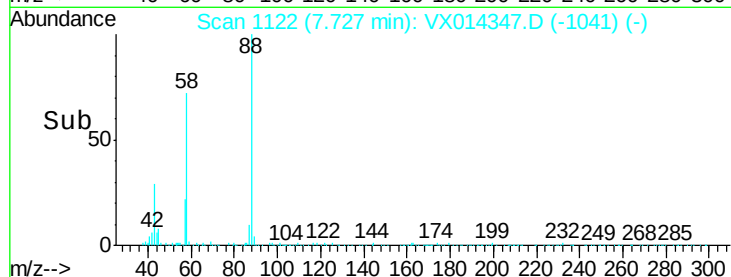
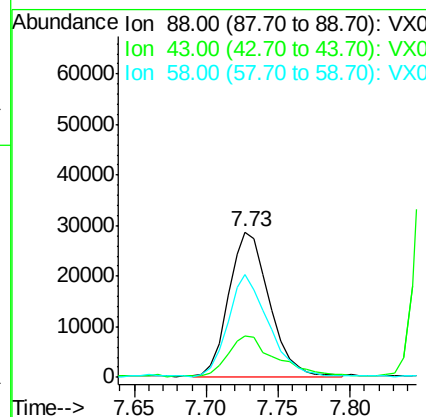
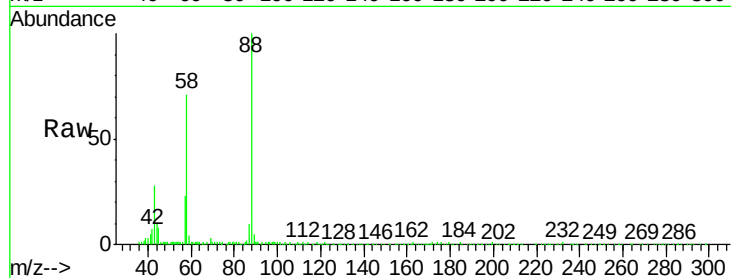
#45
1,4-Dioxane
Concen: 468.077 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX1230WBS01

Tot Ion:	88	Resp:	56439
Ion	Ratio	Lower	Upper
88	100		
43	32.7	25.4	38.2
58	69.8	56.5	84.7

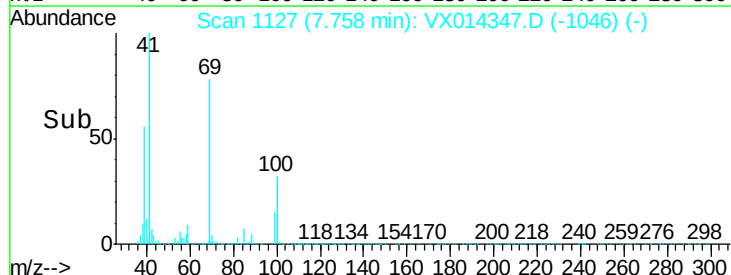
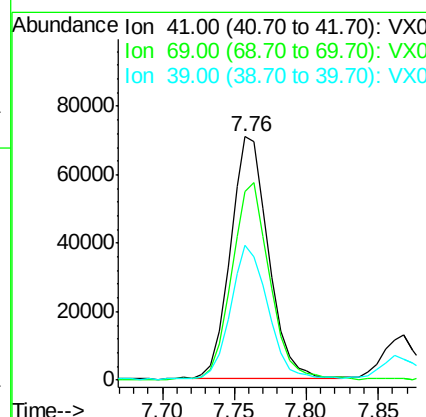
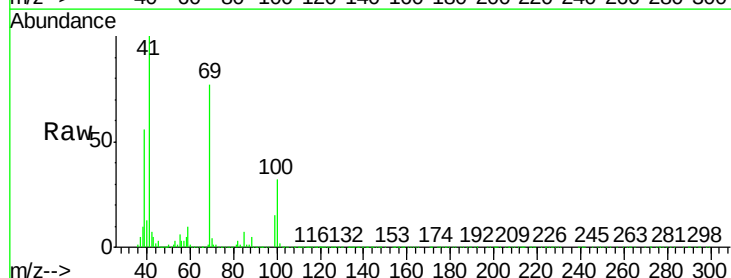
Manual Integrations
APPROVED

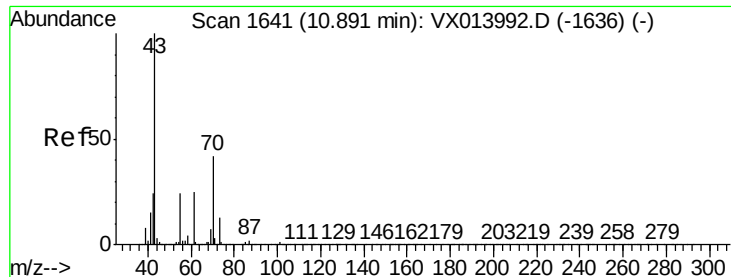
apatel
12/31/2019 9:32:32 AM



#46
Methyl methacrylate
Concen: 20.785 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion:	41	Resp:	129991
Ion	Ratio	Lower	Upper
41	100		
69	77.4	40.6	122.0
39	55.3	27.8	83.3





#47

n-amvl Acetate

Concen: 19.876 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX1230WBS01

Tot Ion: 43 Resp: 227558

Ion Ratio Lower Upper

43 100

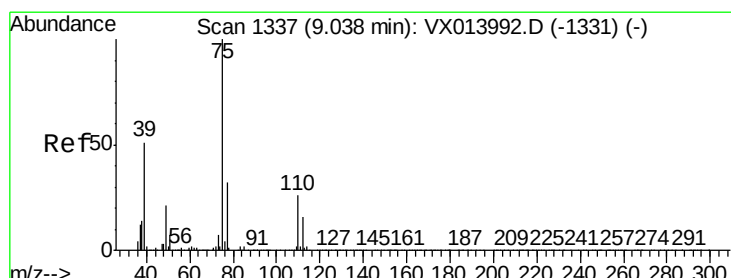
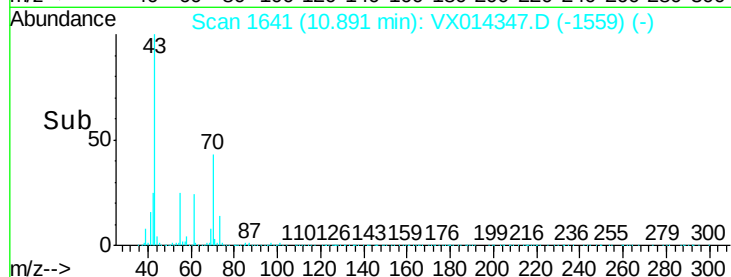
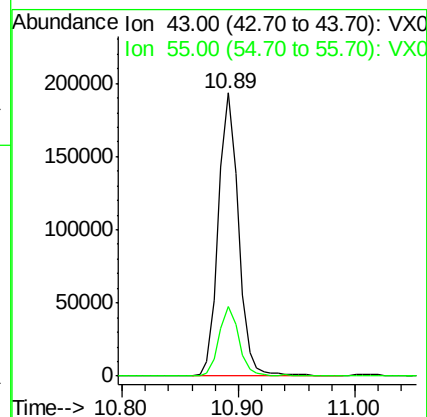
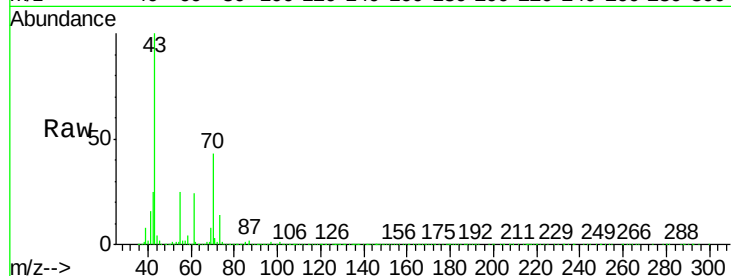
55 24.2 19.4 29.2

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 21.193 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014347.D

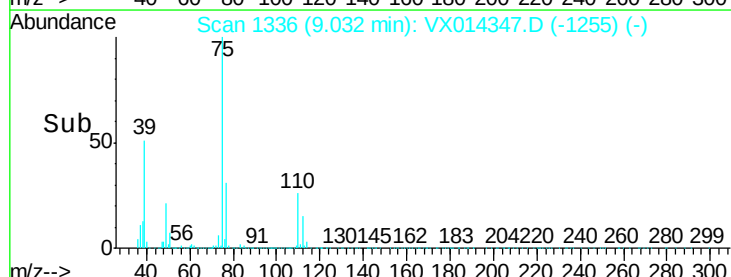
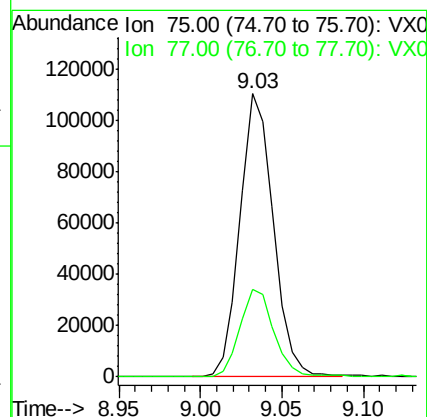
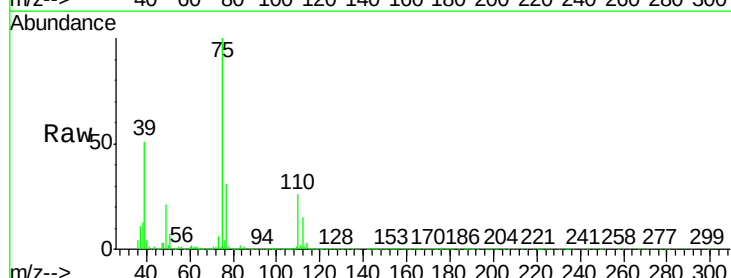
Acq: 30 Dec 2019 12:05

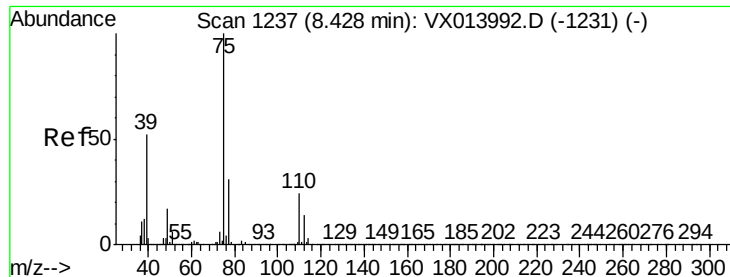
Tgt Ion: 75 Resp: 157504

Ion Ratio Lower Upper

75 100

77 30.6 26.0 39.0





#49

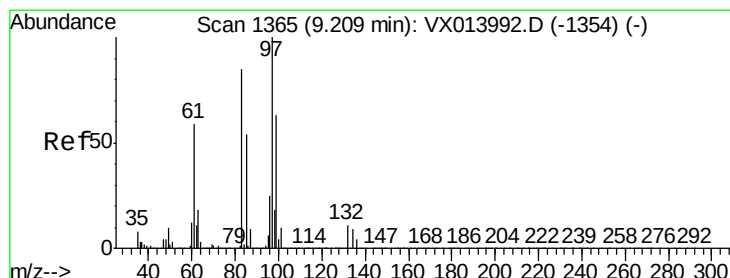
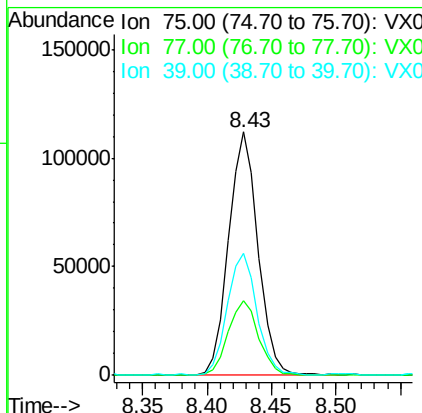
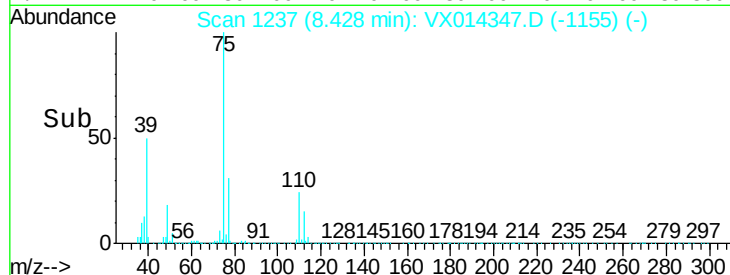
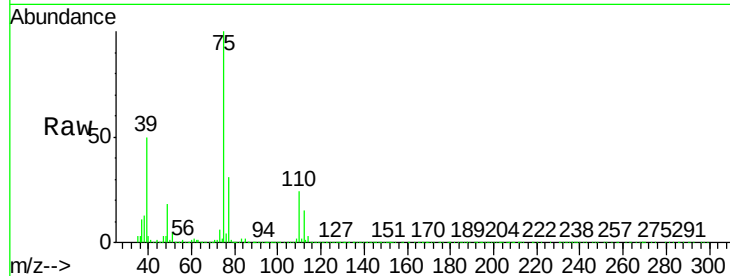
cis-1,3-Dichloropropene
Concen: 21.283 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampled :
VX1230WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.8	37.2
39	50.1	41.1	61.7

Manual Integrations
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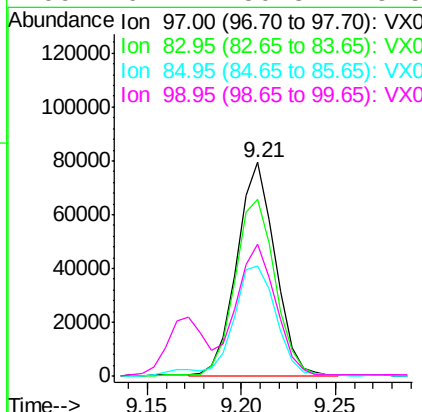
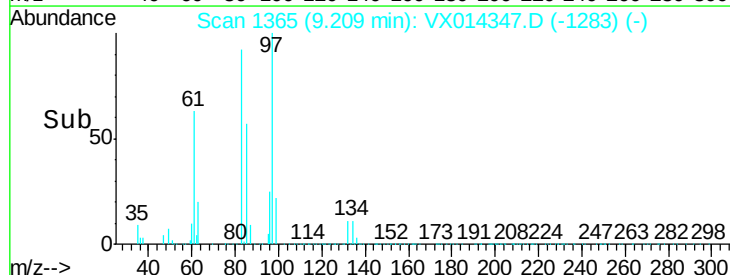
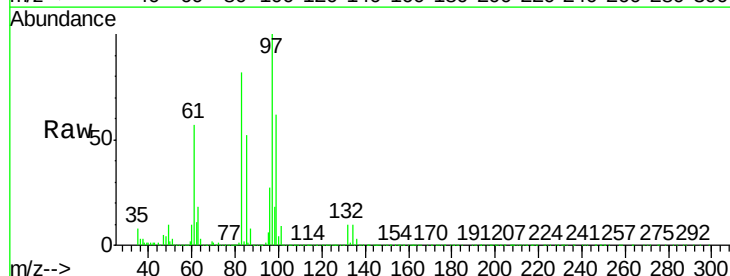
apatel
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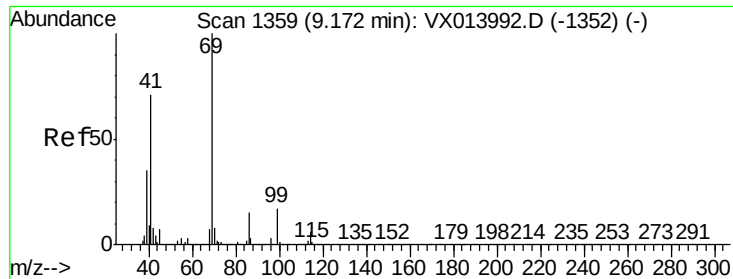


#50

1,1,2-Trichloroethane
Concen: 20.657 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.4	68.1	102.1
85	51.6	42.7	64.1
99	61.4	50.3	75.5





#51

Ethyl methacrylate

Concen: 19.854 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

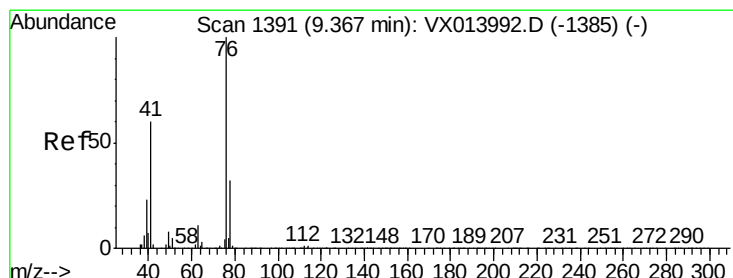
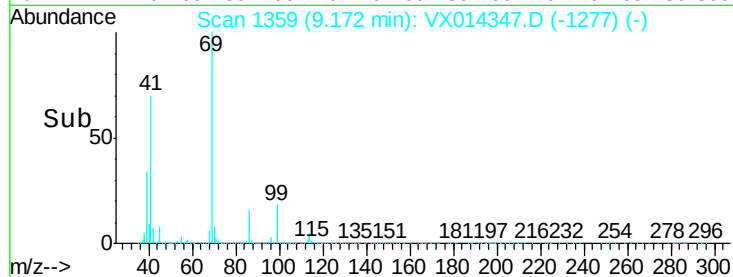
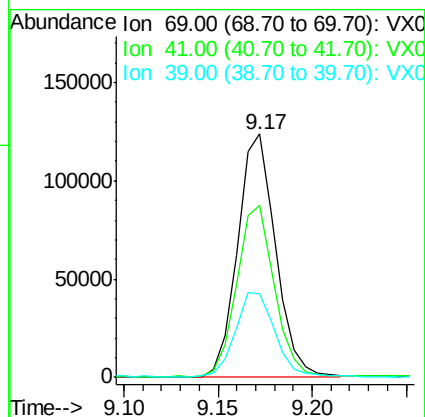
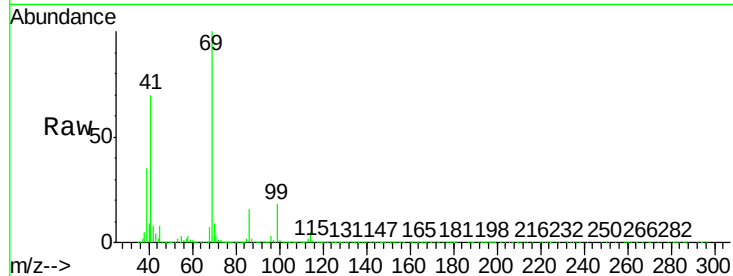
ClientSampleId :

VX1230WBS01

Tot Ion:	69	Resp:	171390
Ion	Ratio	Lower	Upper
69	100		
41	70.4	35.4	106.1
39	34.3	17.8	53.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.993 ug/l

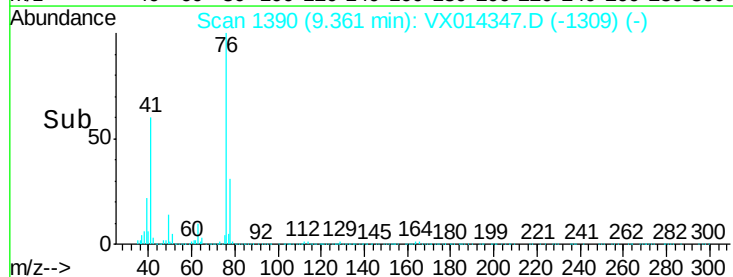
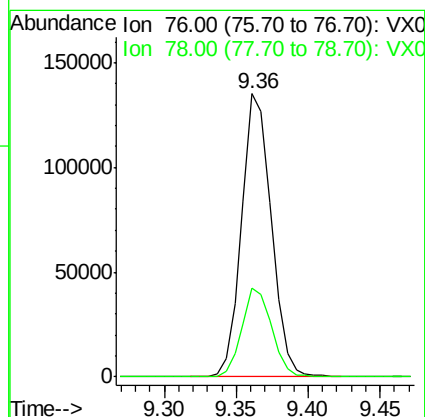
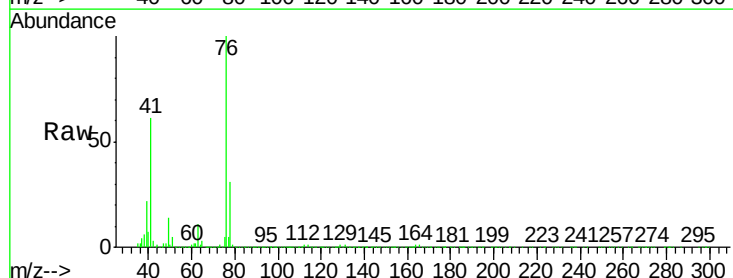
RT: 9.36 min Scan# 1390

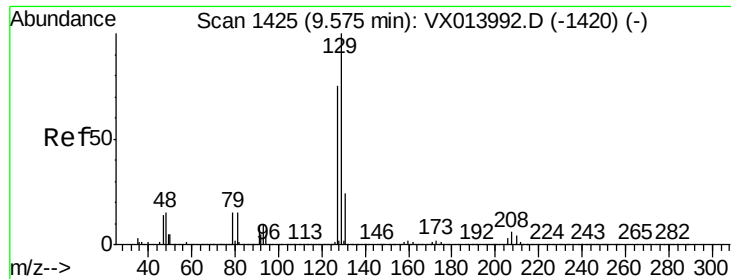
Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Tgt Ion:	76	Resp:	193573
Ion	Ratio	Lower	Upper
76	100		
78	31.4	0.0	63.4





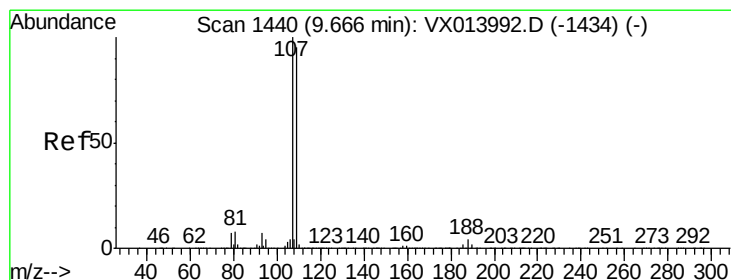
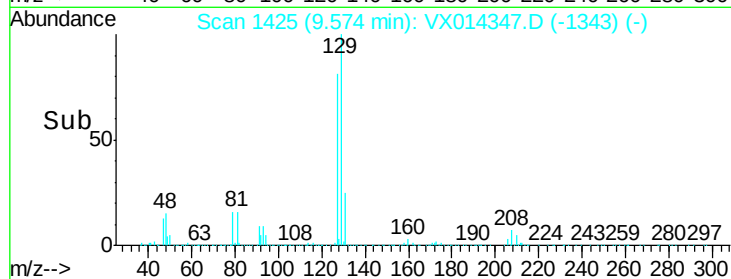
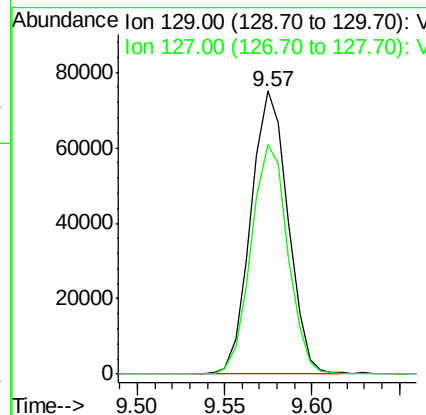
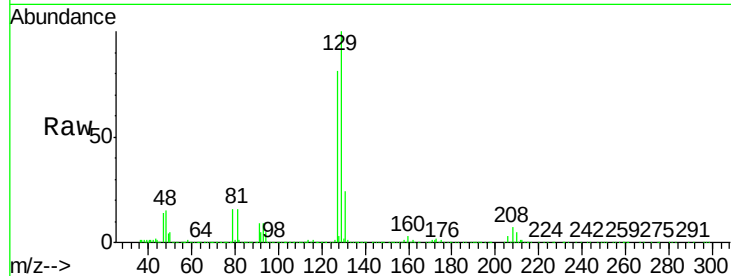
#53
 Dibromochloromethane
 Concen: 20.383 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.00 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1230WBS01

Tot Ion	Ratio	Lower	Upper
129	100		
127	80.4	39.1	117.5

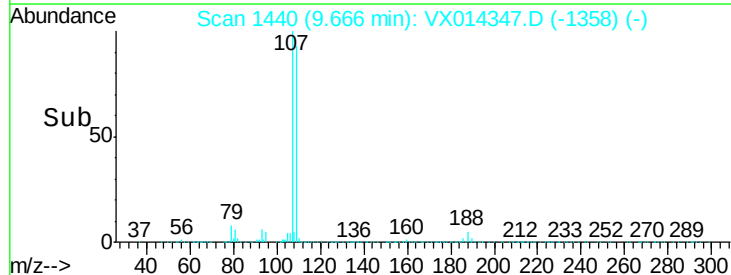
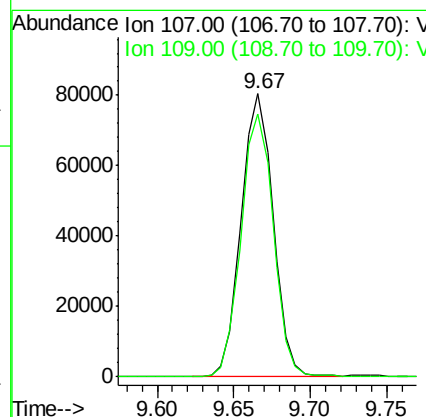
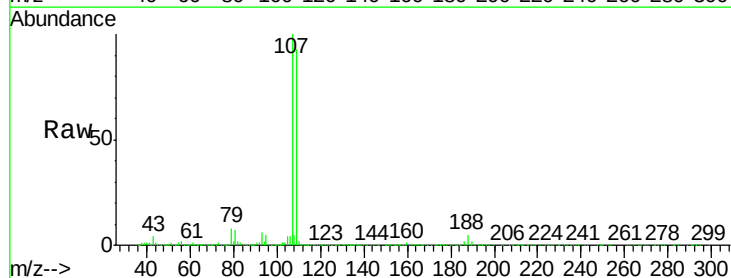
Manual Integrations
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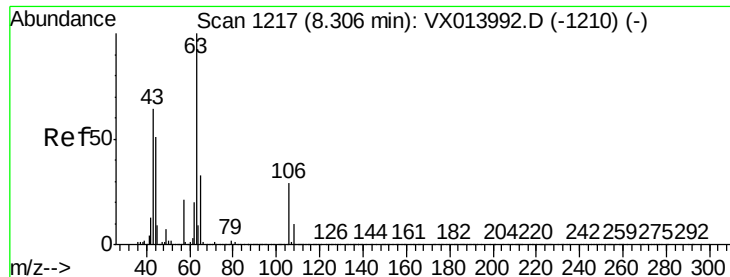
apatel
 12/31/2019 9:32:32 AM



#54
 1,2-Dibromoethane
 Concen: 21.022 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.4	77.2	115.8





#55

2-Chloroethyl vinyl ether

Concen: 98.187 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX1230WBS01

Tot Ion: 63 Resp: 373640

Ion Ratio Lower Upper

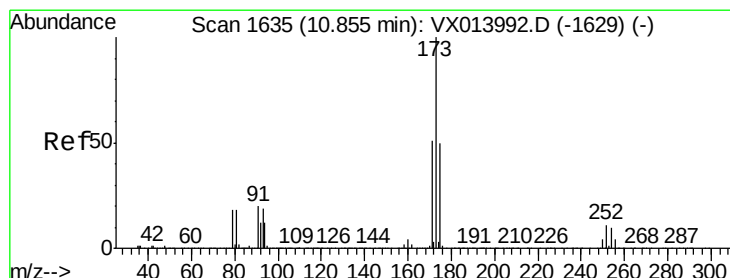
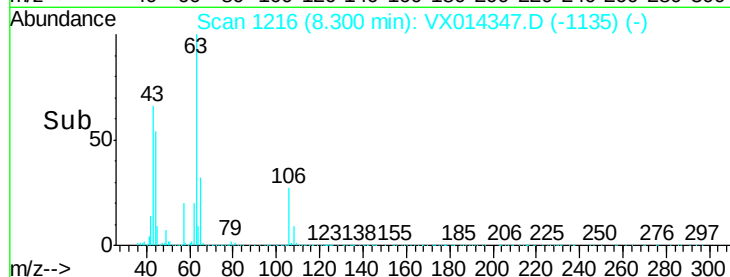
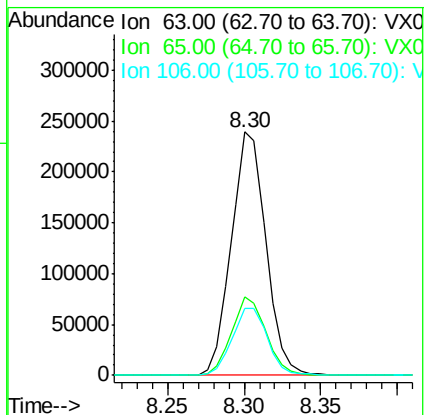
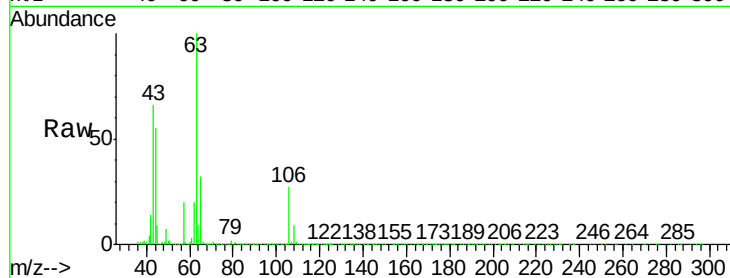
63 100

65 32.4 25.8 38.6

106 28.3 22.9 34.3

Manual Integrations
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#56

Bromoform

Concen: 19.334 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

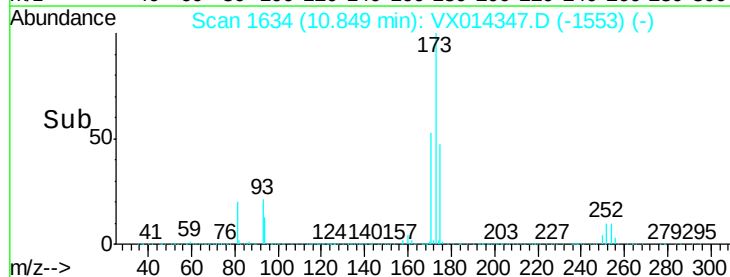
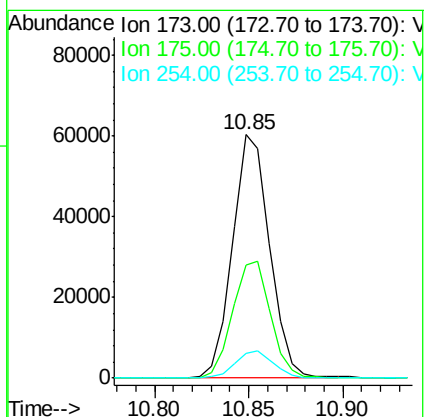
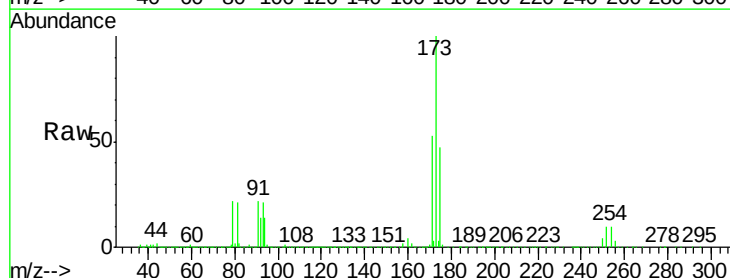
Tgt Ion: 173 Resp: 81822

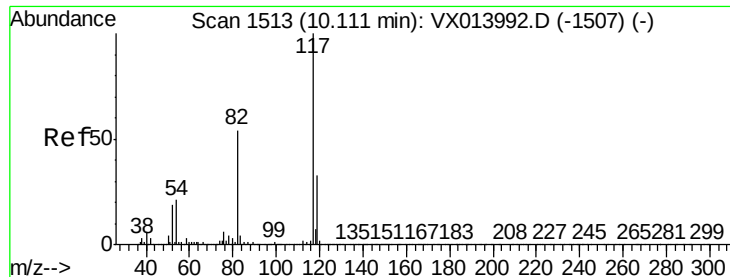
Ion Ratio Lower Upper

173 100

175 49.4 39.5 59.3

254 11.5 8.2 12.4





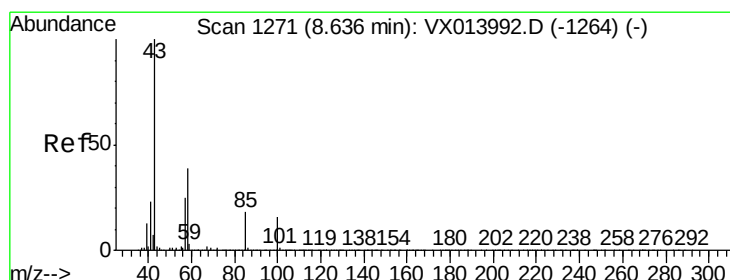
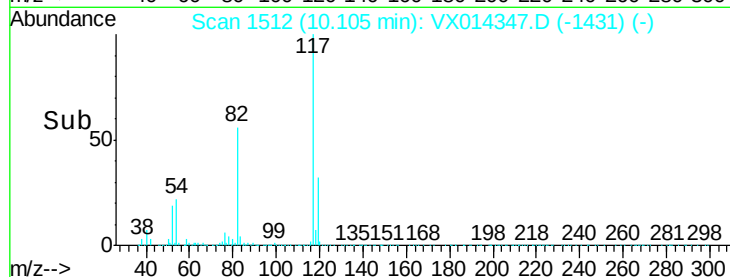
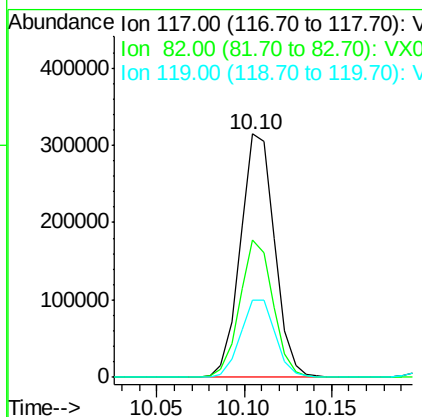
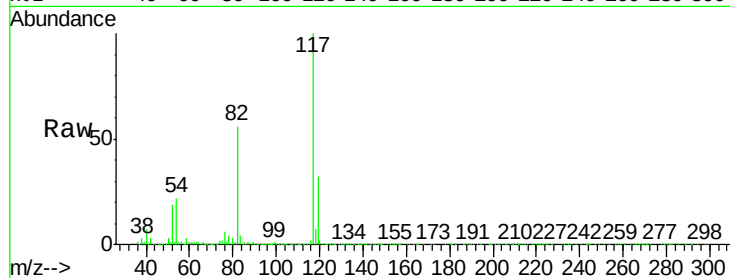
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX1230WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.8	65.6
119	32.5	25.8	38.6

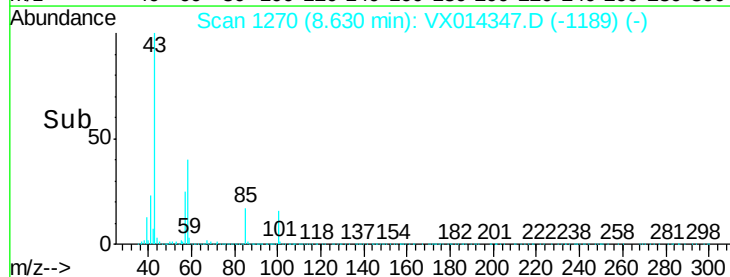
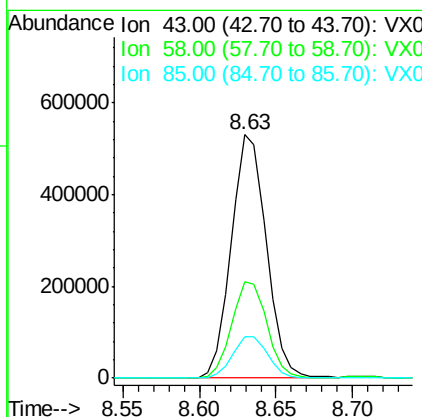
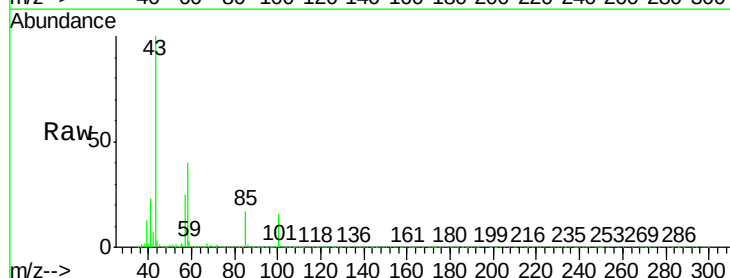
Manual Integrations
APPROVED

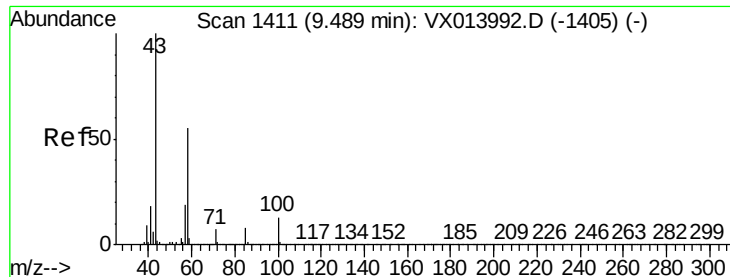
apatel
12/31/2019 9:32:32 AM



#58
4-Methyl-2-Pentanone
Concen: 105.687 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.2	46.8
85	17.3	14.2	21.2





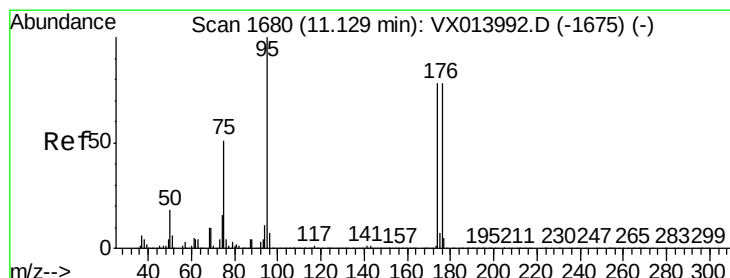
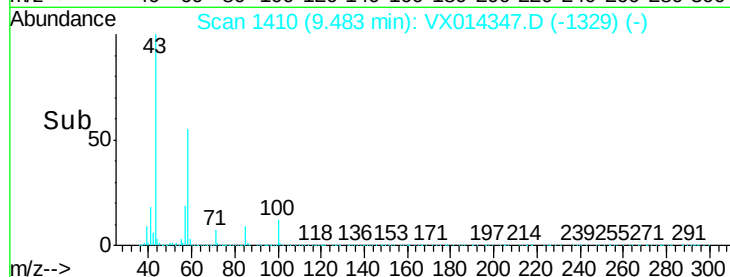
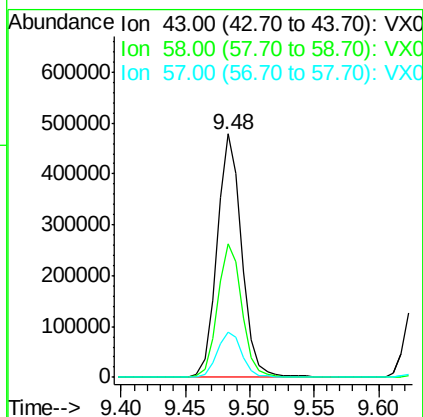
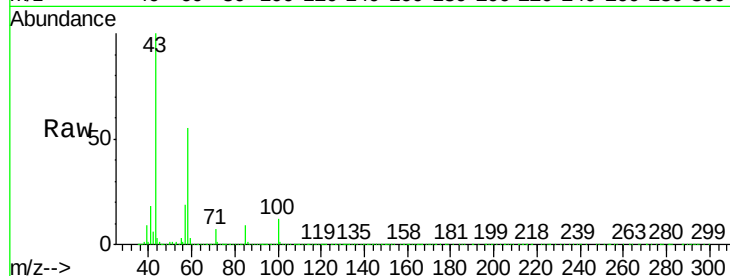
#59
2-Hexanone
Concen: 106.023 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX1230WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.3	43.8	65.6
57	18.7	15.4	23.0

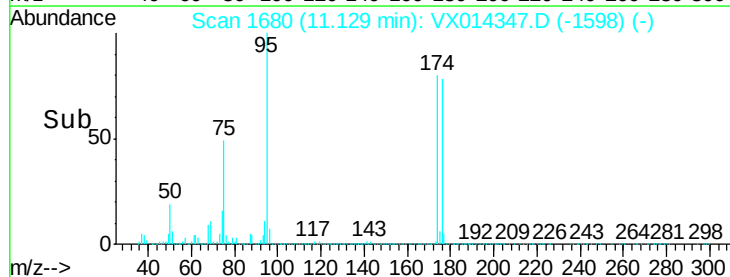
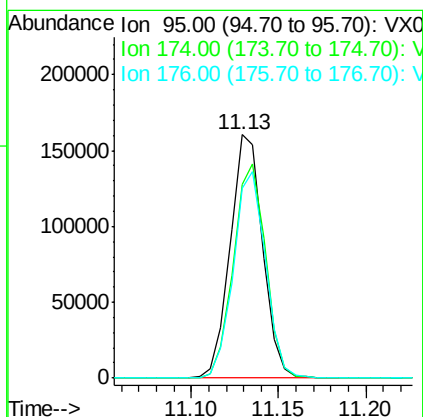
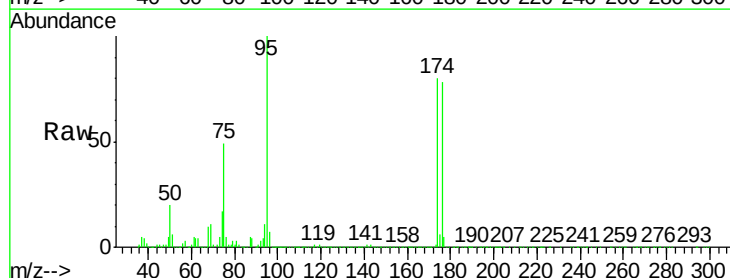
Manual Integrations
APPROVED

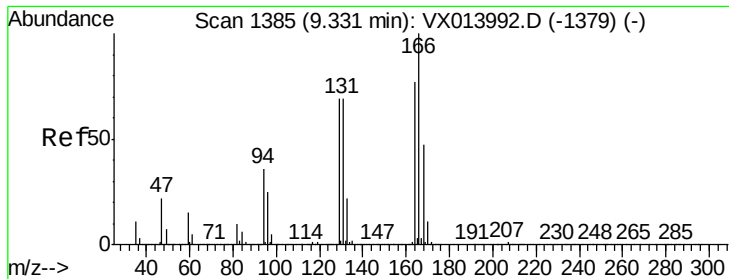
apatel
12/31/2019 9:32:32 AM



#60
4-Bromofluorobenzene
Concen: 30.082 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.3	70.2	105.2
176	84.3	68.3	102.5





#61

Tetrachloroethene

Concen: 22.176 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX1230WBS01

Tot Ion:164 Resp: 125113

Ion Ratio Lower Upper

164 100

166 129.1 104.2 156.2

129 84.2 71.6 107.4

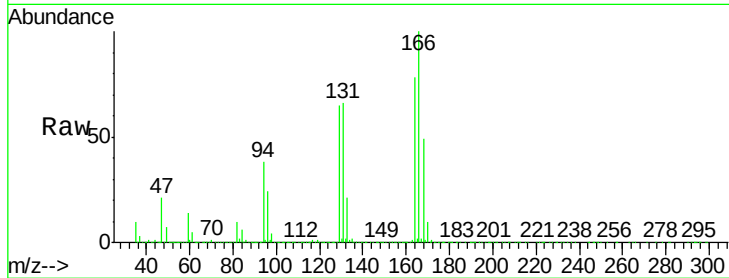
131 85.7 71.7 107.5

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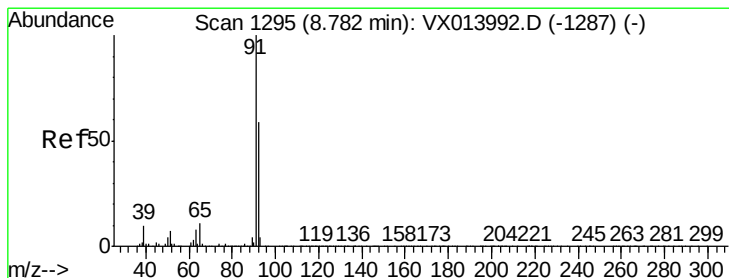
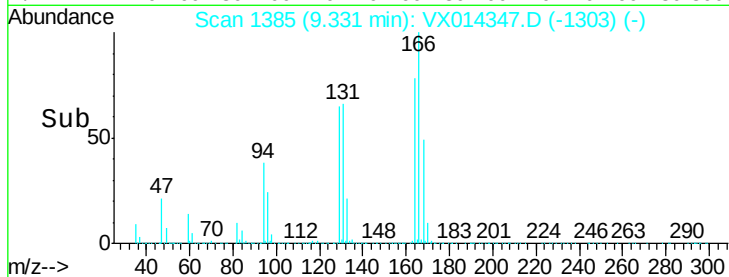
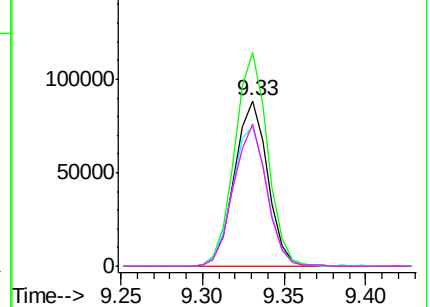


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.181 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014347.D

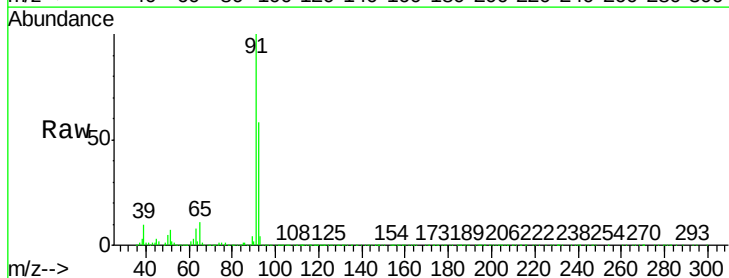
Acq: 30 Dec 2019 12:05

Tgt Ion: 91 Resp: 480435

Ion Ratio Lower Upper

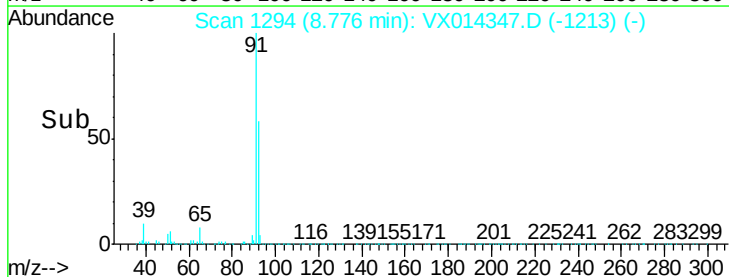
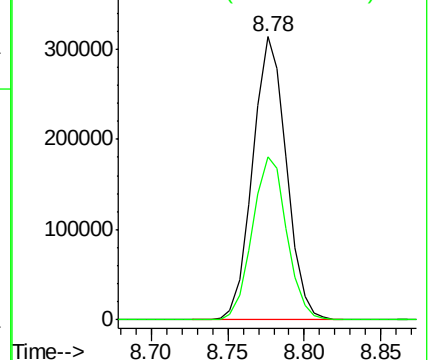
91 100

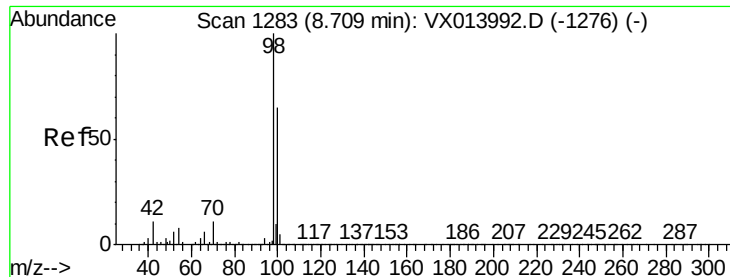
92 58.9 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.574 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX1230WBS01

Tot Ion: 98 Resp: 582824

Ion Ratio Lower Upper

98 100

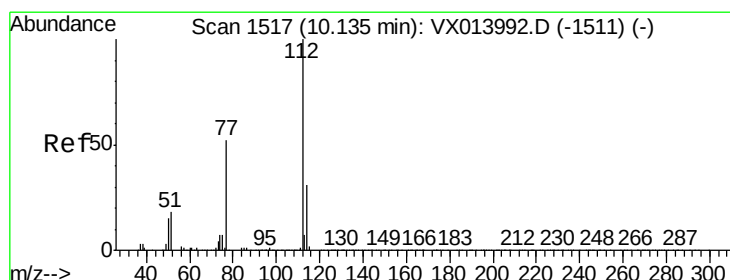
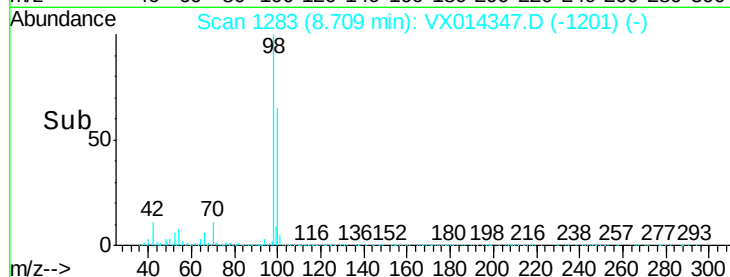
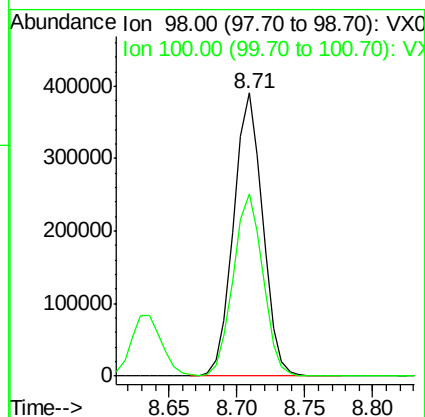
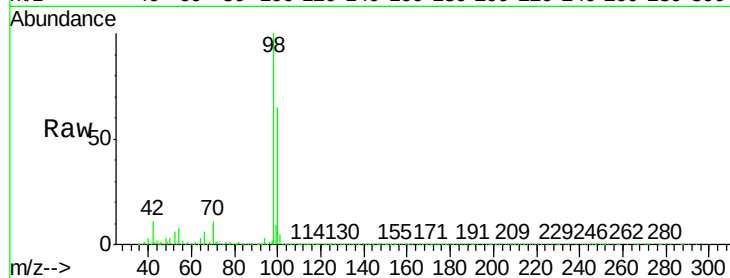
100 65.4 52.2 78.2

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#64

Chlorobenzene

Concen: 20.847 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX014347.D

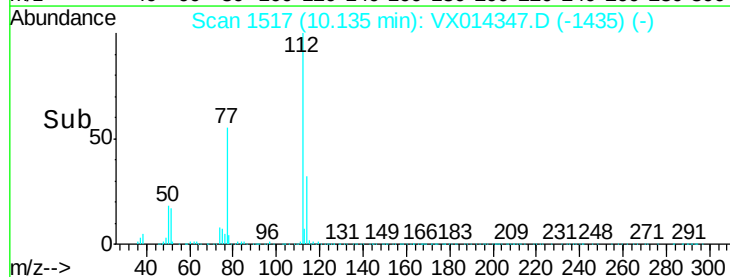
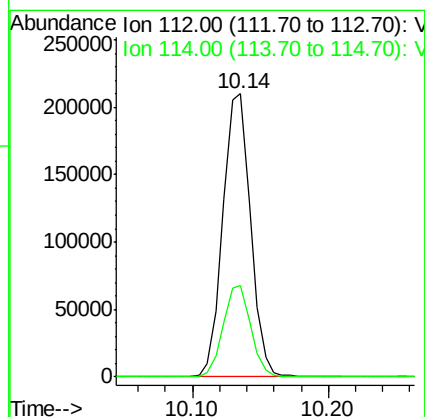
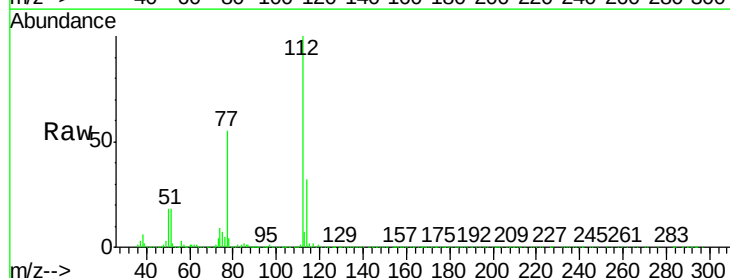
Acq: 30 Dec 2019 12:05

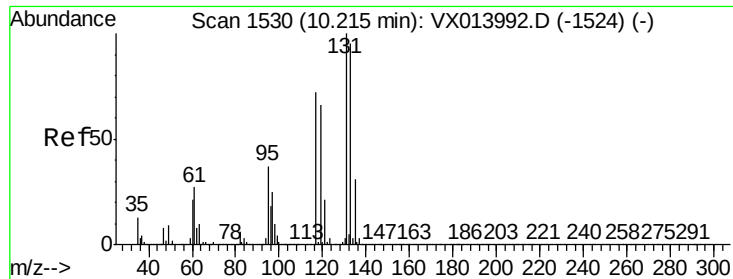
Tgt Ion: 112 Resp: 296238

Ion Ratio Lower Upper

112 100

114 32.2 24.4 36.6





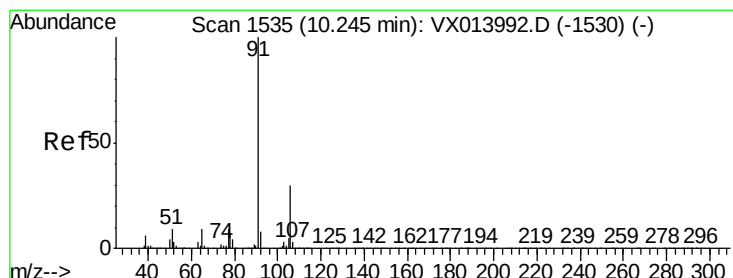
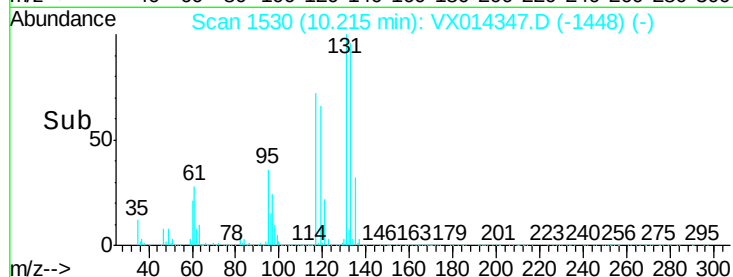
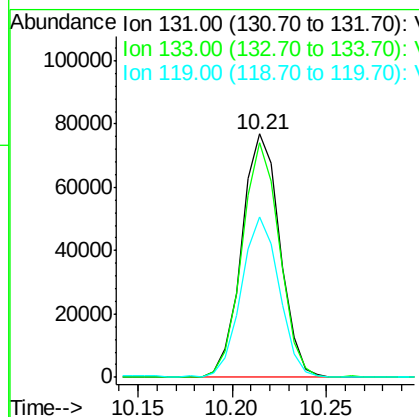
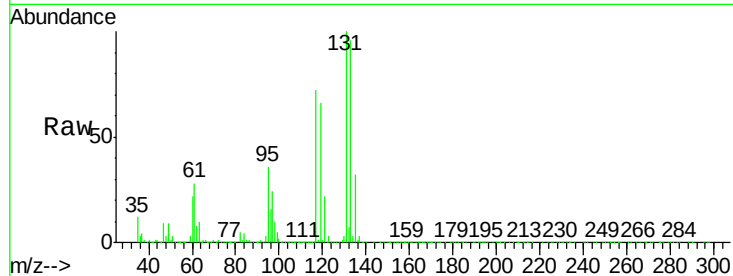
#65
1,1,1,2-Tetrachloroethane
Concen: 20.548 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX1230WBS01

Tot Ion	Ratio	Resp Lower	Upper
131	100		
133	94.1	0.0	189.8
119	65.1	0.0	132.2

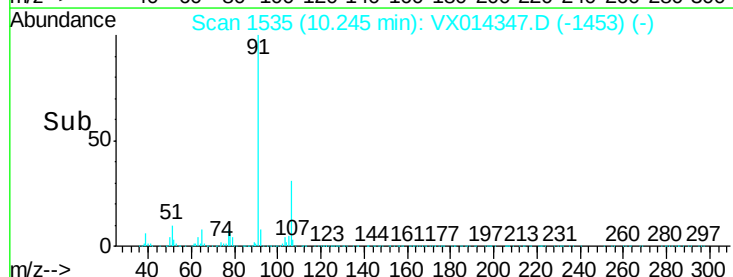
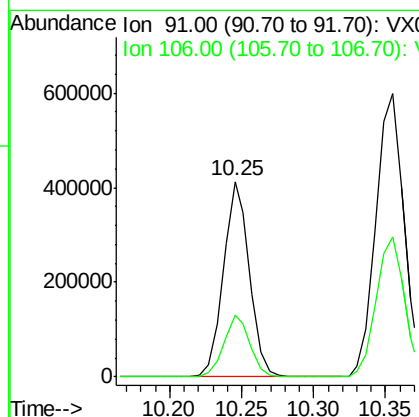
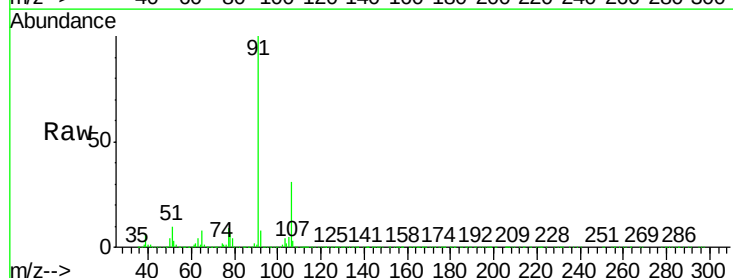
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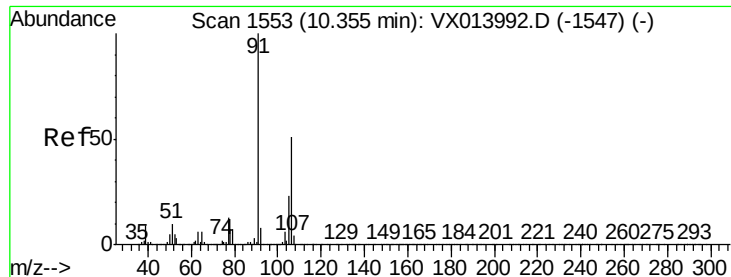
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#66
Ethyl Benzene
Concen: 20.973 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
106	31.4	24.2	36.2





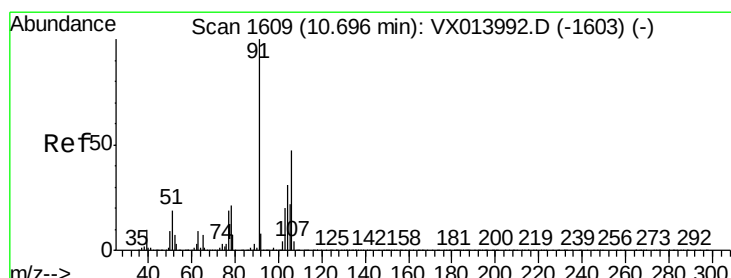
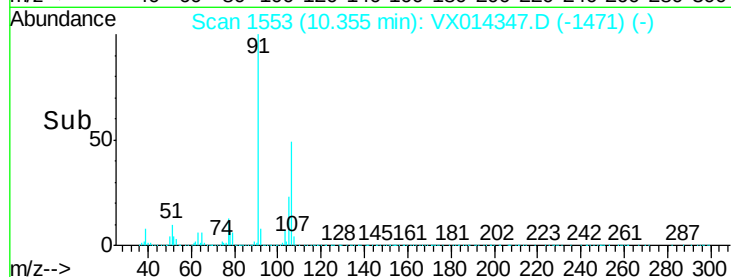
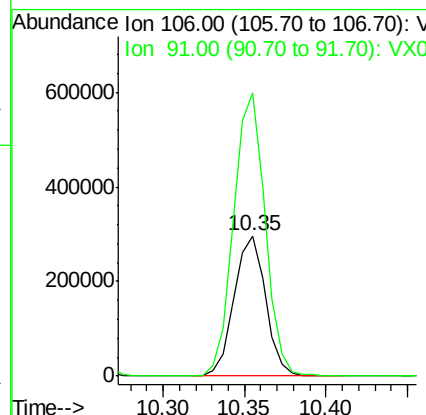
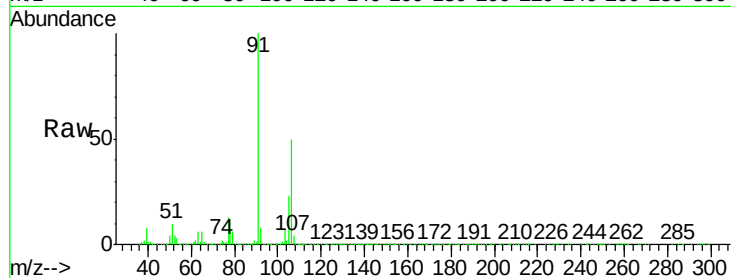
#67
m/p-Xylenes
Concen: 41.876 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX1230WBS01

Tot Ion:106 Resp: 397350
Ion Ratio Lower Upper
106 100
91 201.4 159.3 238.9

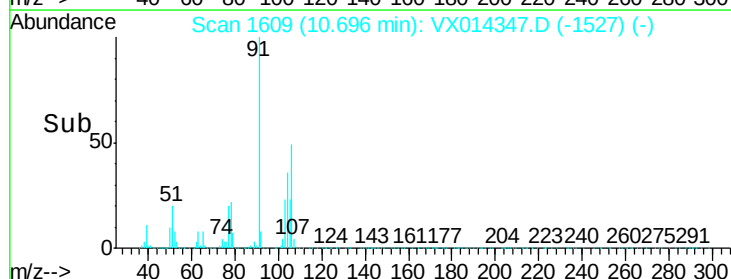
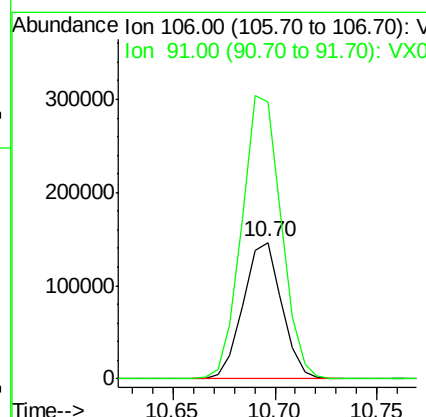
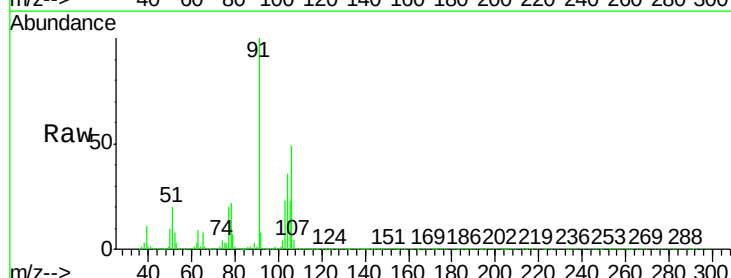
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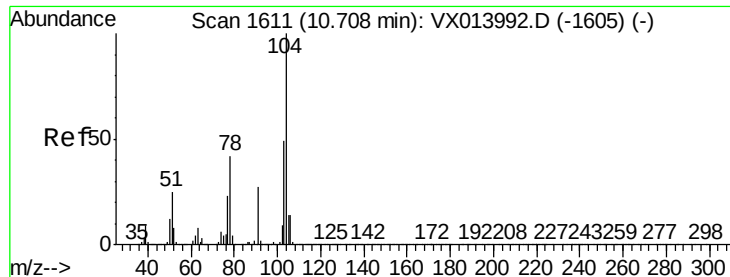
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#68
o-Xylene
Concen: 20.388 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion:106 Resp: 191654
Ion Ratio Lower Upper
106 100
91 212.7 104.8 314.6





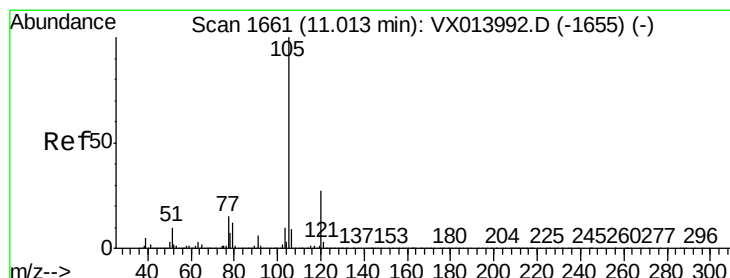
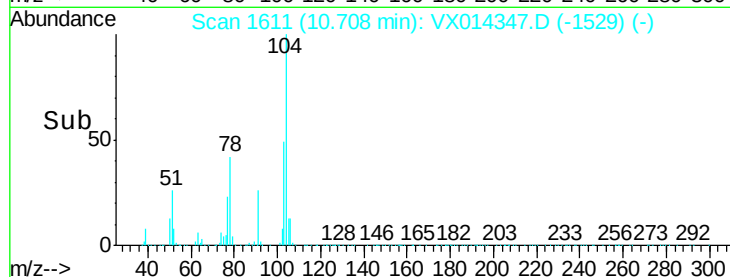
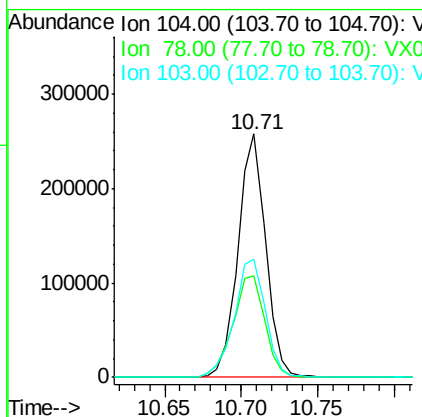
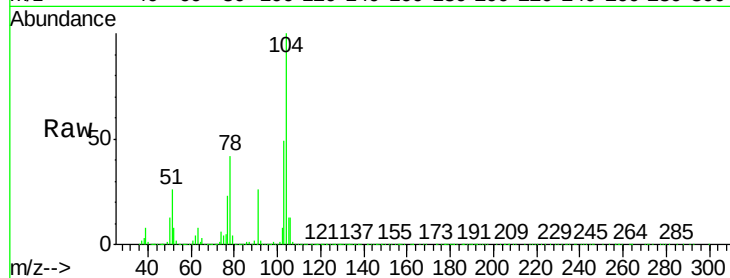
#69
Stvrene
Concen: 20.215 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX1230WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.9	58.3
103	54.7	44.2	66.2

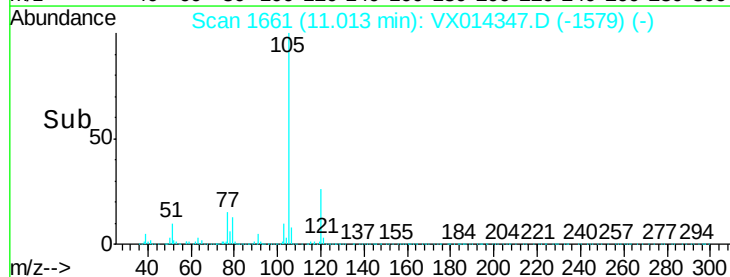
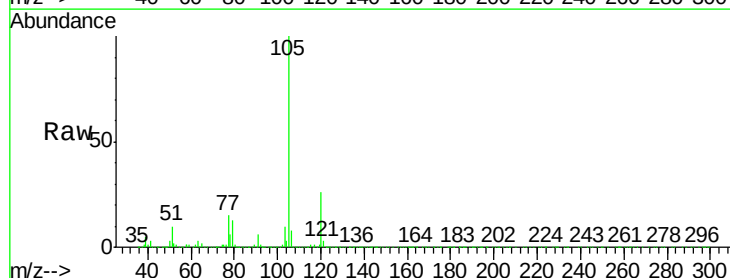
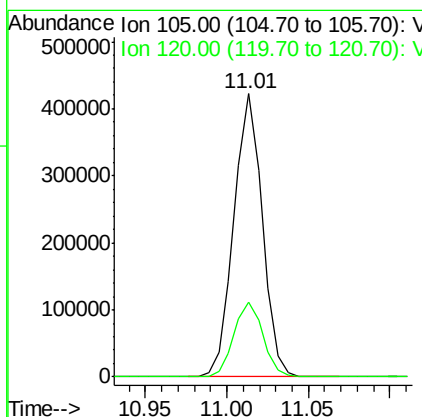
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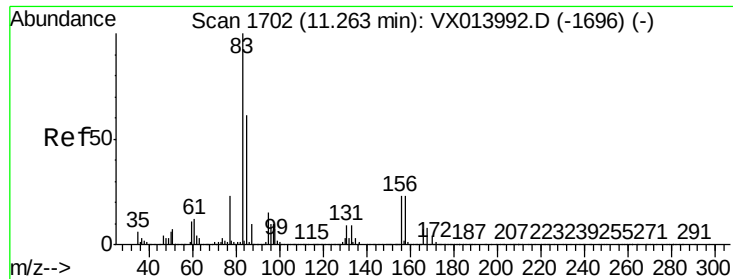
apatel
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#70
Isopropylbenzene
Concen: 21.129 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	19.1	35.5





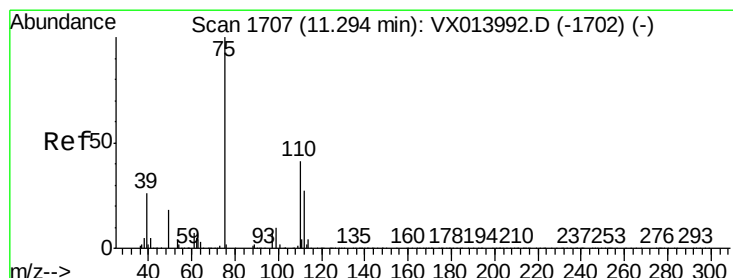
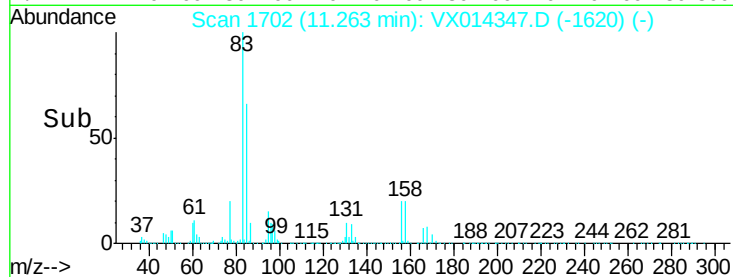
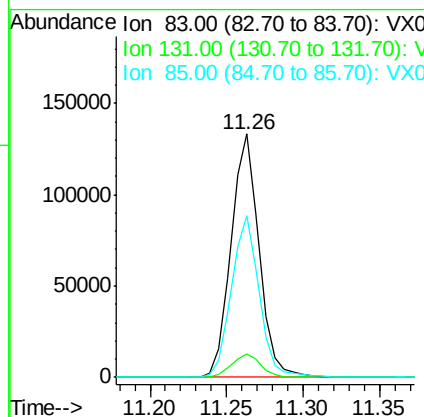
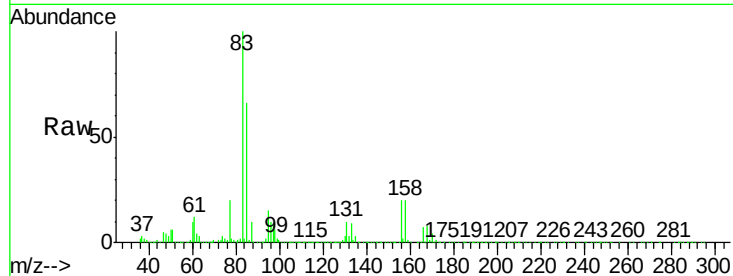
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.623 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1230WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	169041		
131	9.9	4.9	14.7	
85	65.3	31.6	94.7	

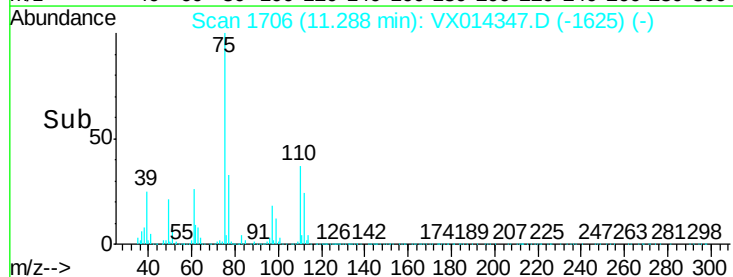
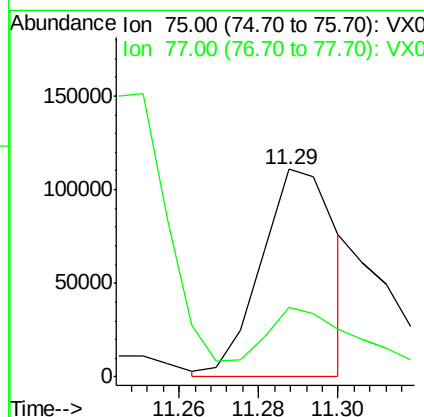
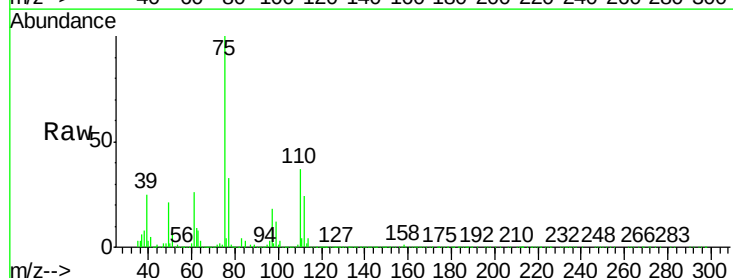
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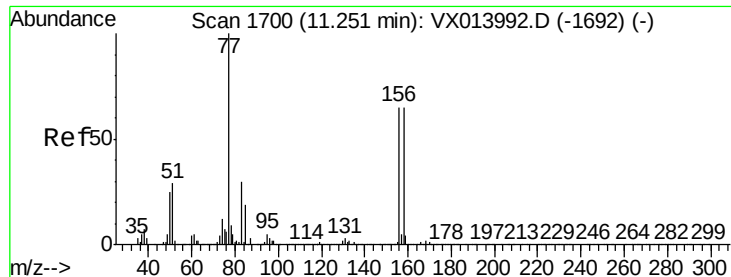
apatel
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#72
 1,2,3-Trichloropropane
 Concen: 18.670 ug/l m
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	143160		
77	41.7	0.0	68.4	





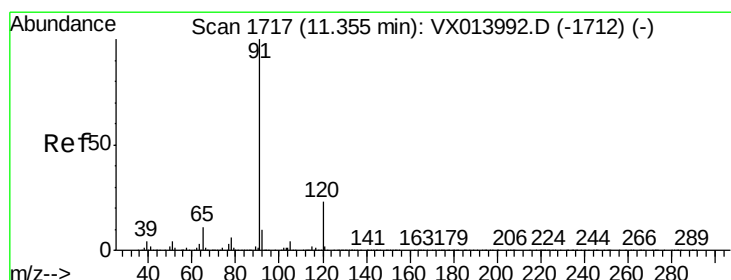
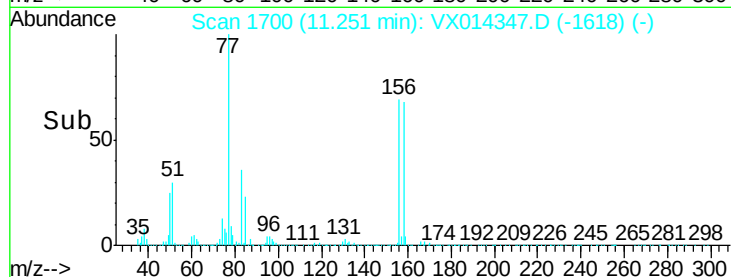
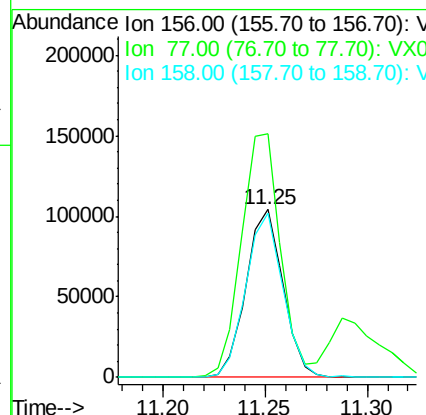
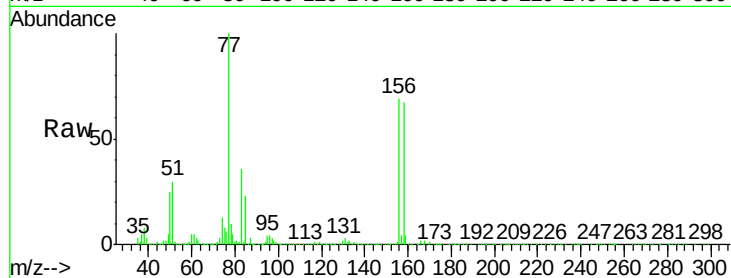
#73
Bromobenzene
Concen: 20.332 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX1230WBS01

Tot Ion	Ratio	Resp	Lower	Upper
156	100	131846		
77	151.5	0.0	304.6	
158	98.0	0.0	195.2	

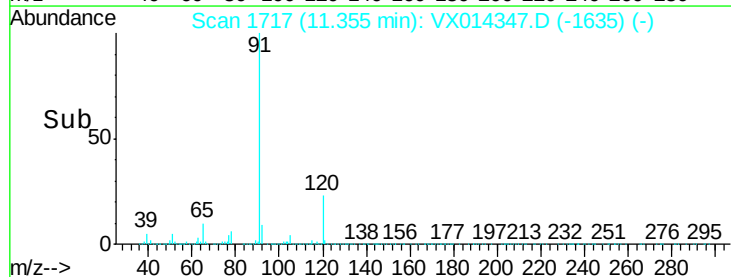
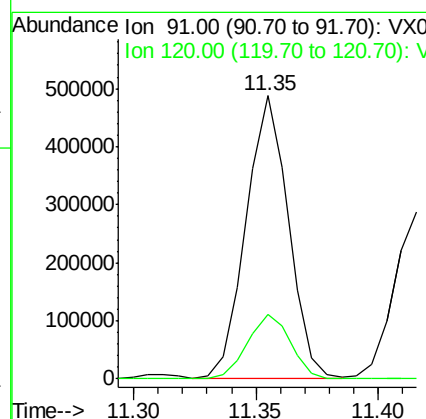
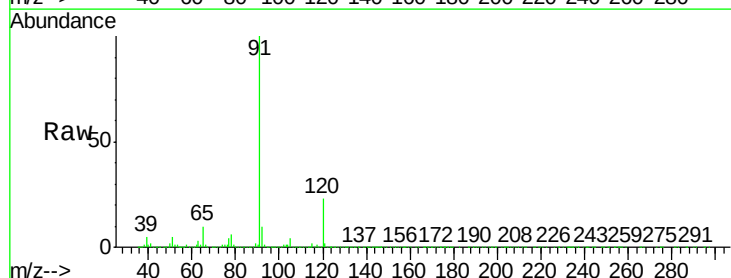
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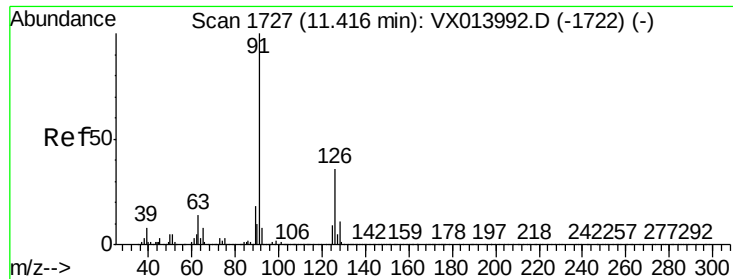
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12/31/2019 9:32:32 AM



#74
n-propylbenzene
Concen: 21.370 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	588796		
120	23.1	0.0	44.8	





#75

2-Chlorotoluene

Concen: 21.012 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

ClientSampleId :

VX1230WBS01

Tot Ion: 91 Resp: 349808

Ion Ratio Lower Upper

91 100

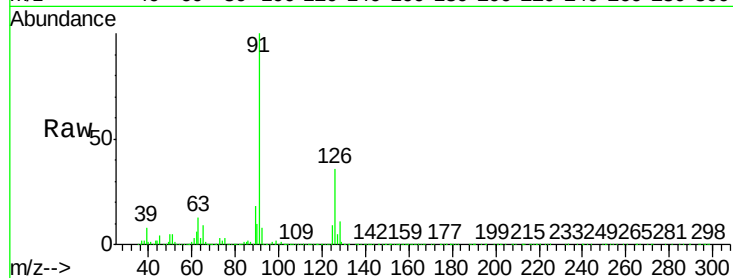
126 35.2 0.0 70.8

Manual Integrations

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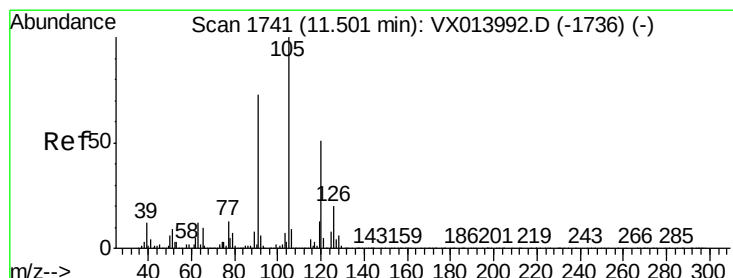
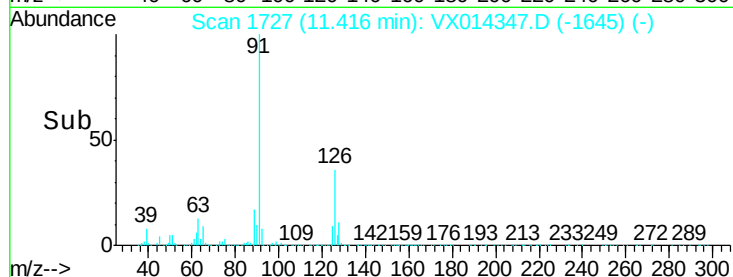
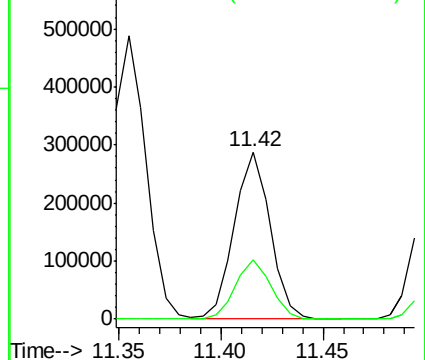
apatel

12/31/2019 9:32:32 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 20.797 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX014347.D

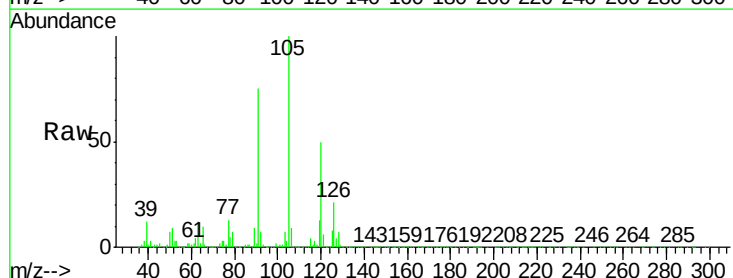
Acq: 30 Dec 2019 12:05

Tgt Ion: 105 Resp: 428549

Ion Ratio Lower Upper

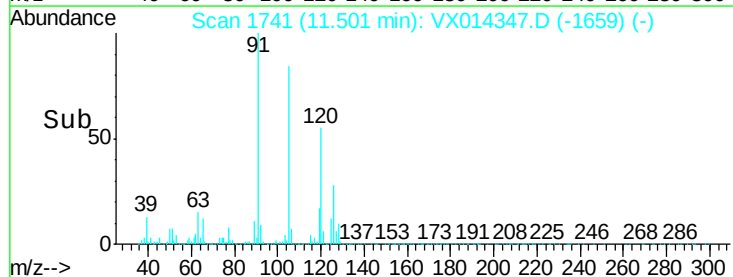
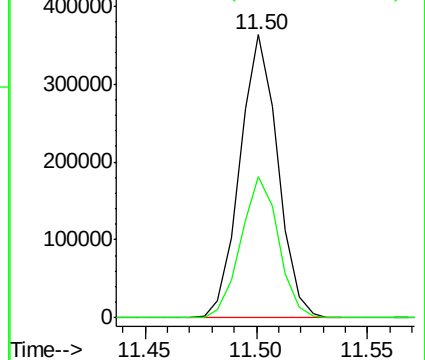
105 100

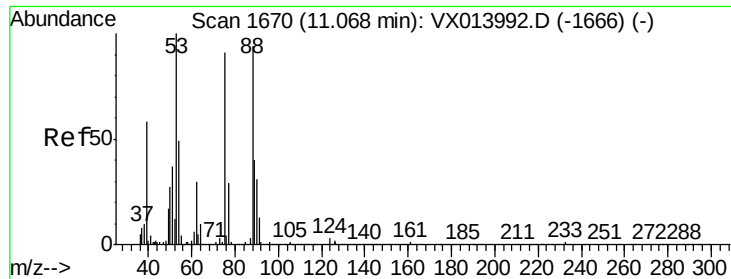
120 50.0 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 21.545 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Instrument :

MSVOA_X

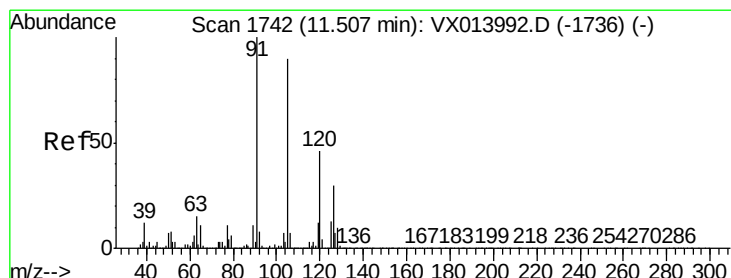
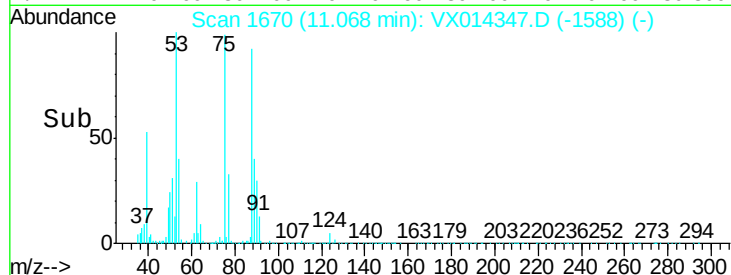
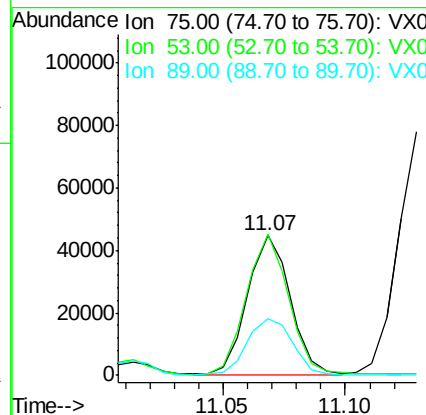
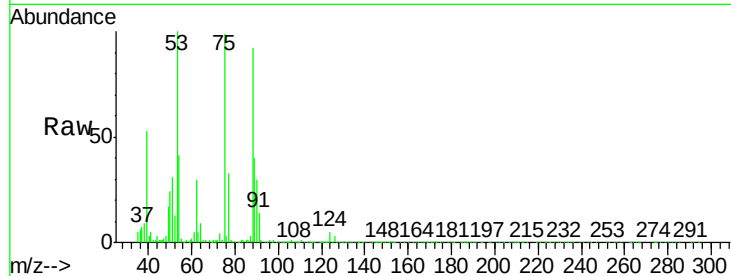
ClientSampleId :

VX1230WBS01

Tot Ion:	75	Resp:	54555
Ion Ratio	Lower	Upper	
75	100		
53	101.5	54.4	163.1
89	40.7	21.9	65.5

Manual Integrations
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#78

4-Chlorotoluene

Concen: 20.831 ug/l

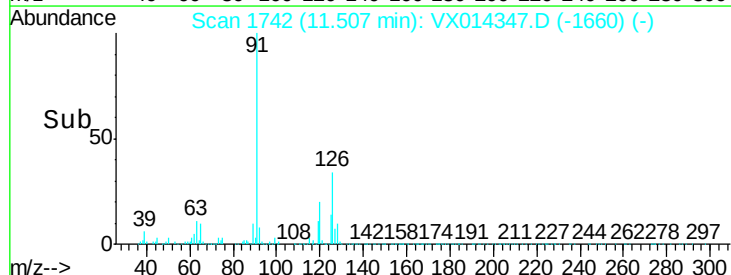
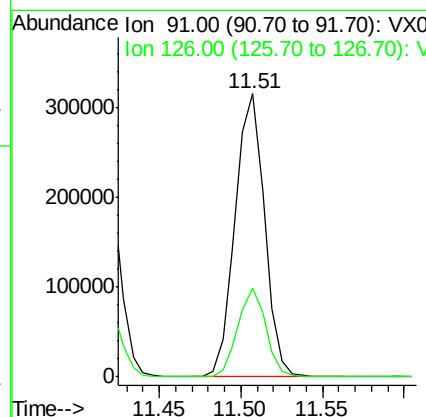
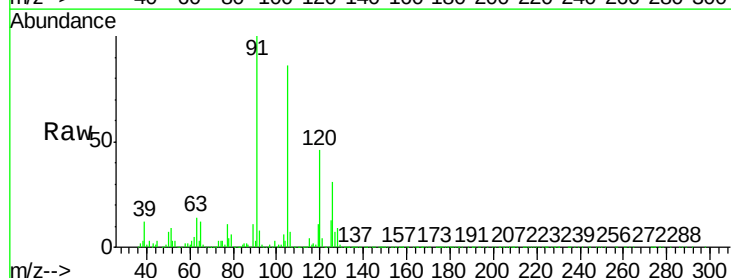
RT: 11.51 min Scan# 1742

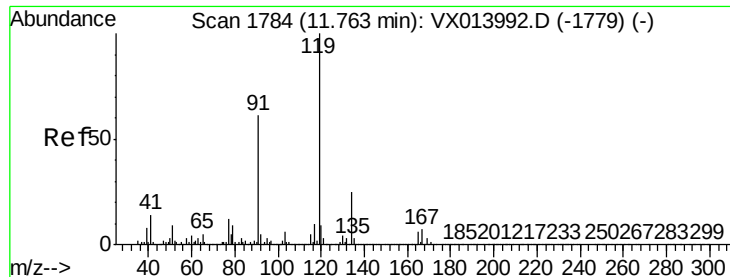
Delta R.T. -0.00 min

Lab File: VX014347.D

Acq: 30 Dec 2019 12:05

Tgt Ion:	91	Resp:	396269
Ion Ratio	Lower	Upper	
91	100		
126	29.9	0.0	59.6





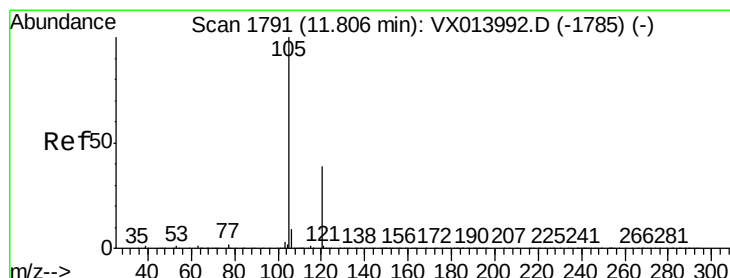
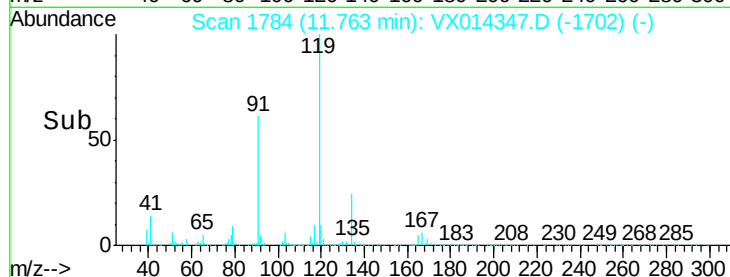
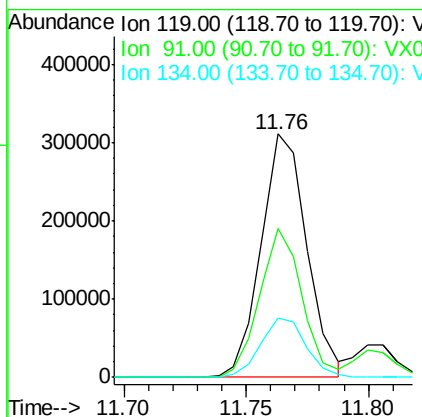
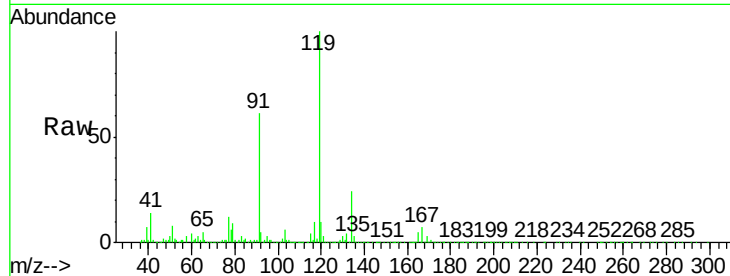
#79
tert-butylbenzene
Concen: 20.459 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX1230WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	406357		
91	57.1		0.0	112.6
134	24.3		0.0	49.8

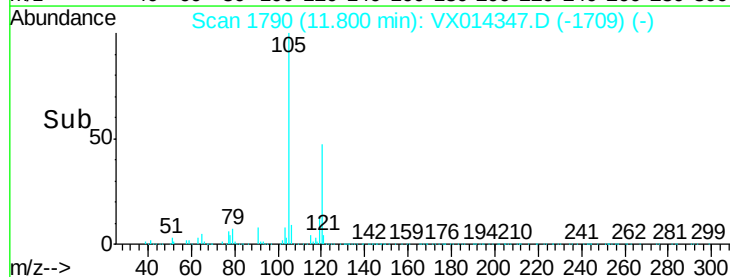
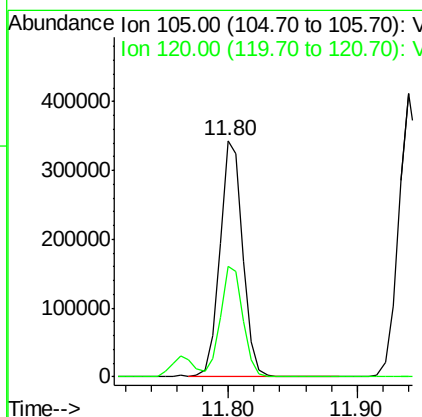
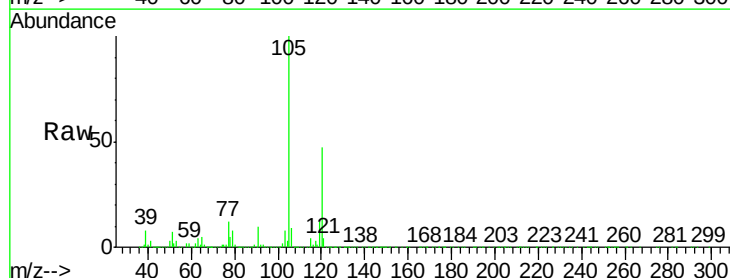
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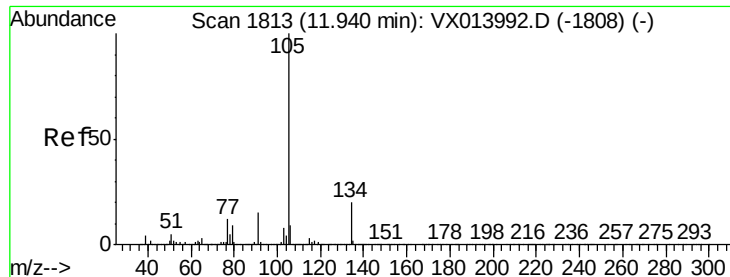
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#80
1,2,4-Trimethylbenzene
Concen: 20.712 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	426777		
120	46.1		0.0	92.0





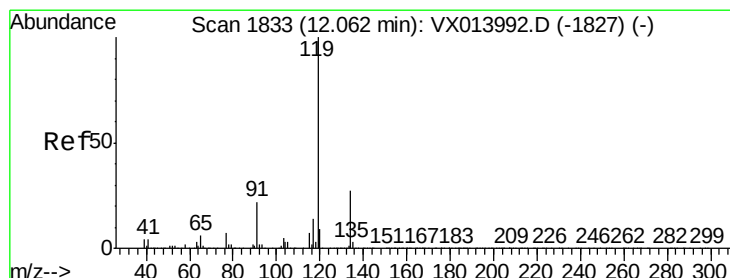
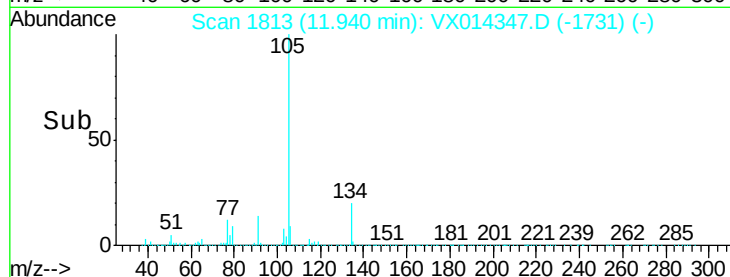
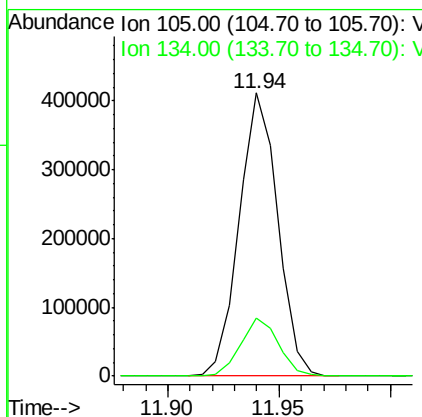
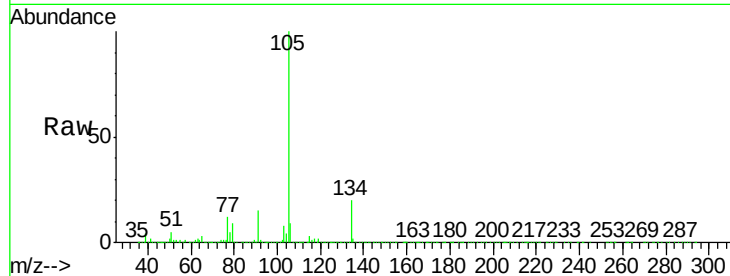
#81
 sec-Butylbenzene
 Concen: 20.987 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1230WBS01

Tot Ion	Ratio	Resp Lower	Upper
105	100		
134	20.0	0.0	40.2

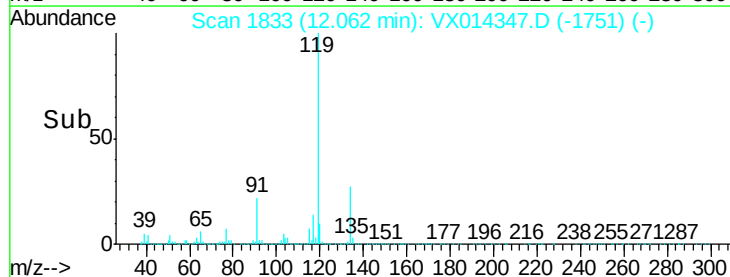
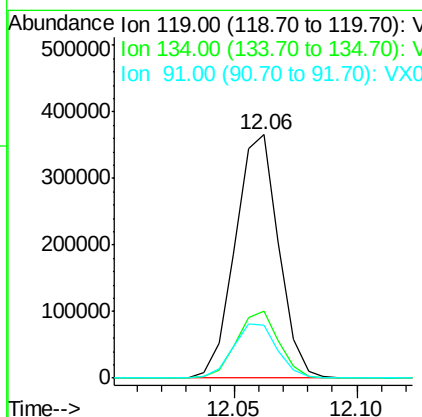
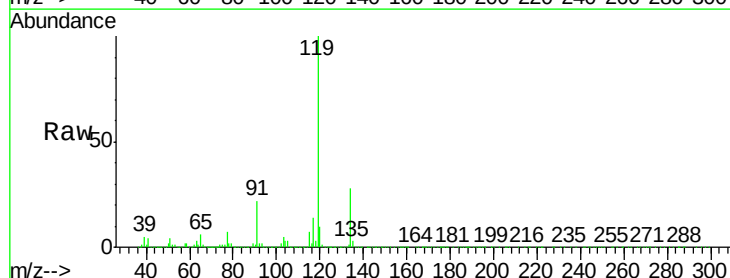
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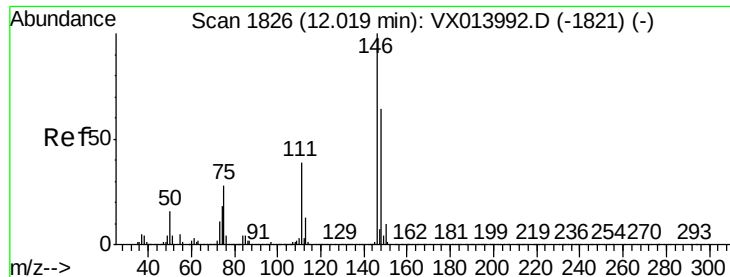
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#82
 p-Isopropyltoluene
 Concen: 21.002 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Resp Lower	Upper
119	100		
134	27.2	0.0	53.8
91	22.7	0.0	45.0





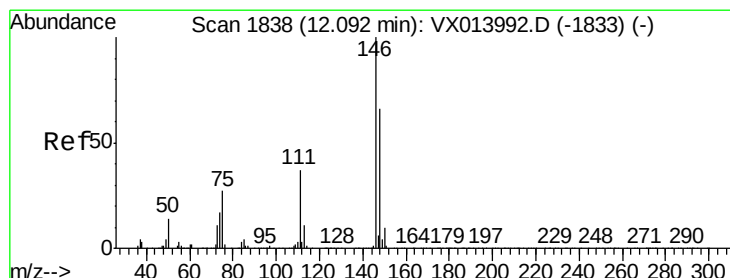
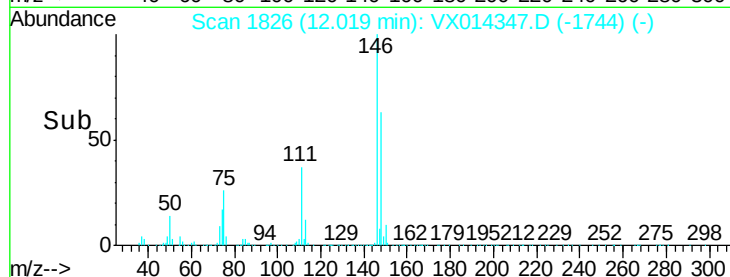
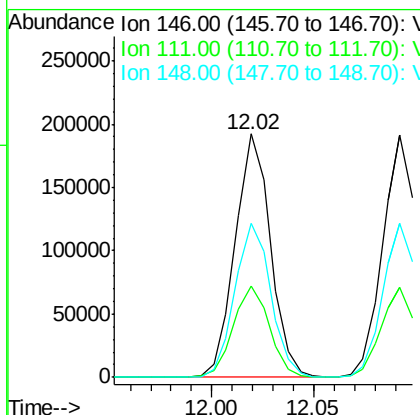
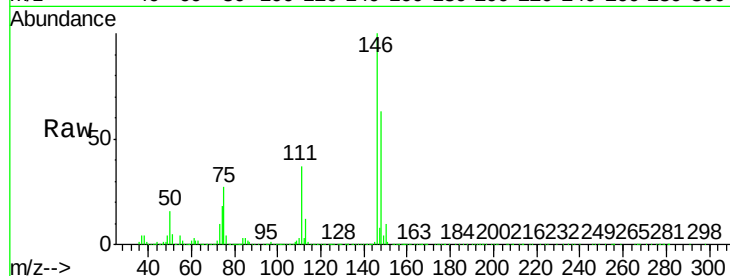
#83
 1,3-Dichlorobenzene
 Concen: 20.462 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1230WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	63.9	32.2	96.6

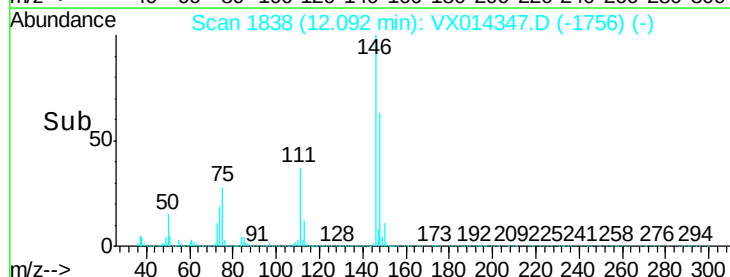
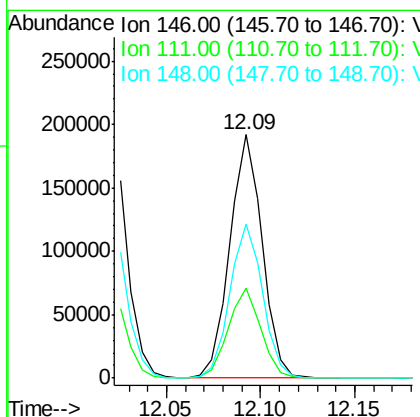
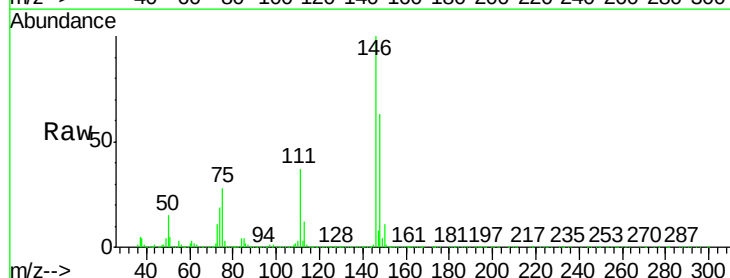
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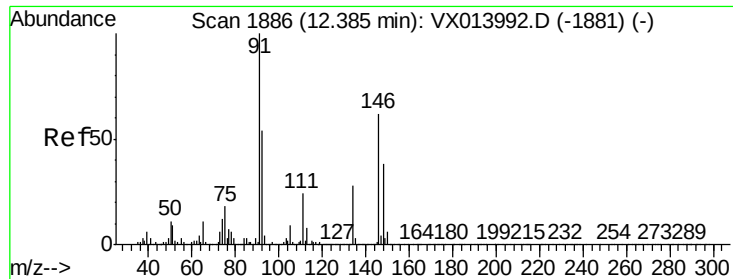
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#84
 1,4-Dichlorobenzene
 Concen: 20.352 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.4
148	63.6	32.0	96.0





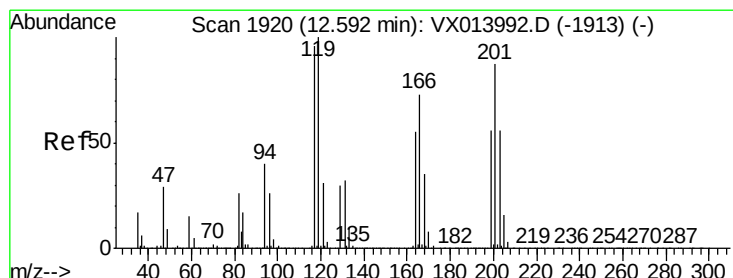
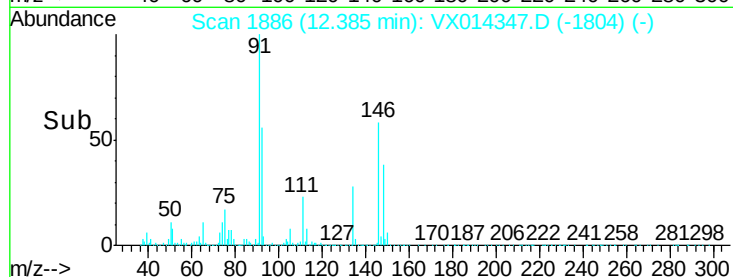
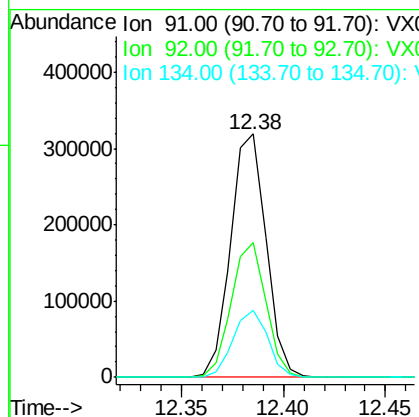
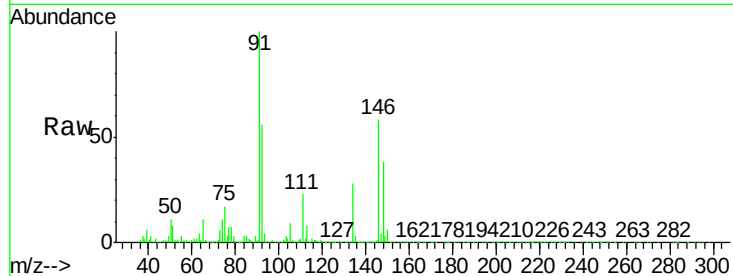
#85
n-Butylbenzene
Concen: 21.379 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX1230WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	383225		
92	54.1	0.0	109.0	
134	27.0	0.0	54.0	

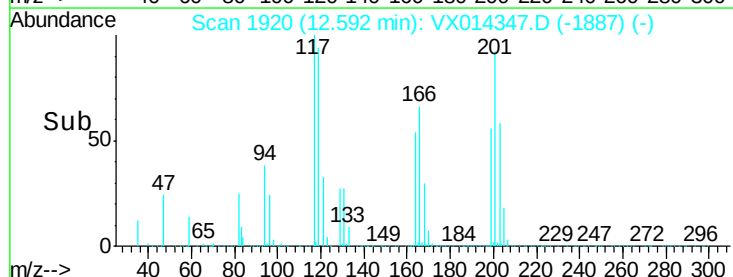
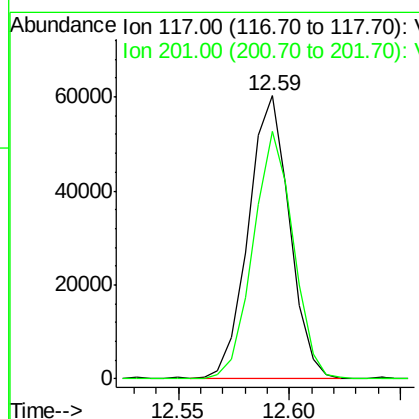
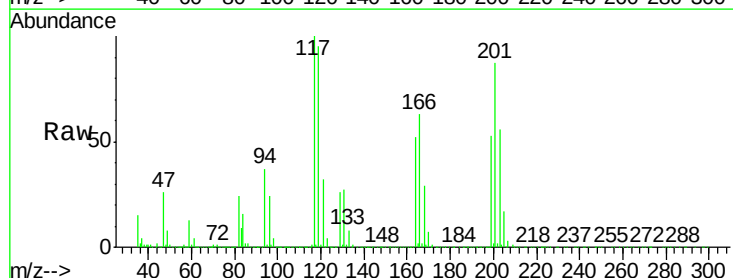
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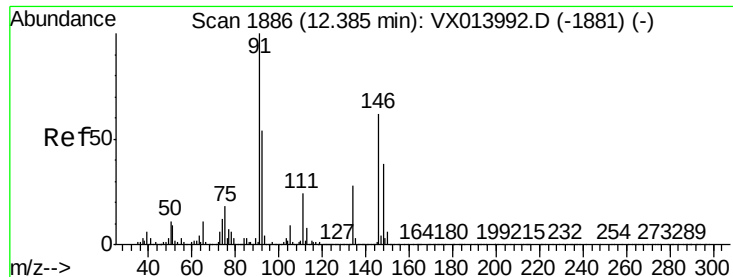
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#86
Hexachloroethane
Concen: 19.964 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	77216		
201	85.9	44.8	134.3	





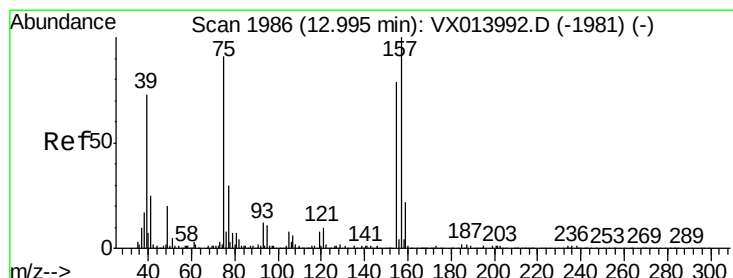
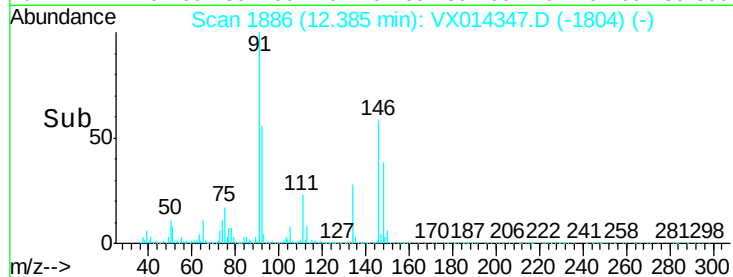
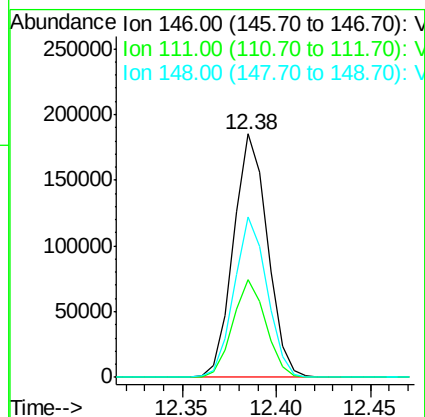
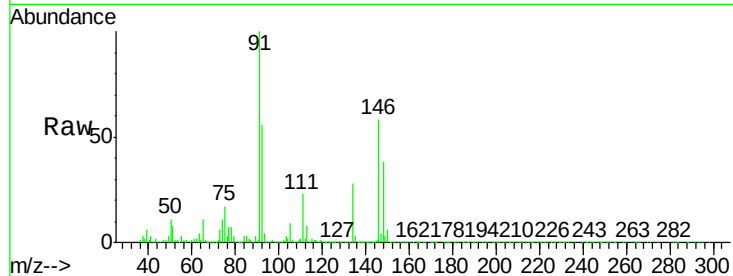
#87
 1,2-Dichlorobenzene
 Concen: 20.251 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1230WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.1	60.2
148	63.8	32.0	96.2

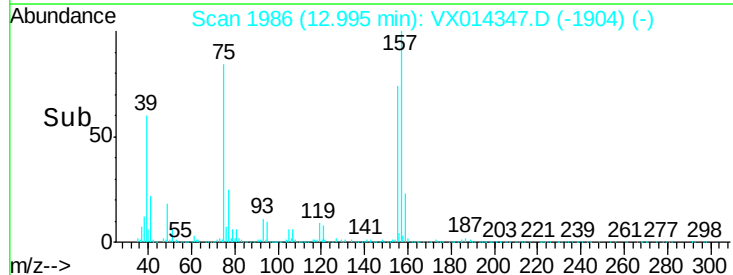
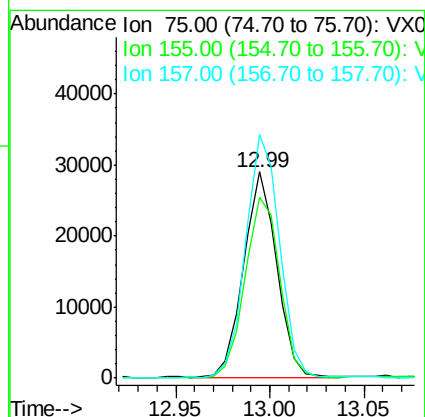
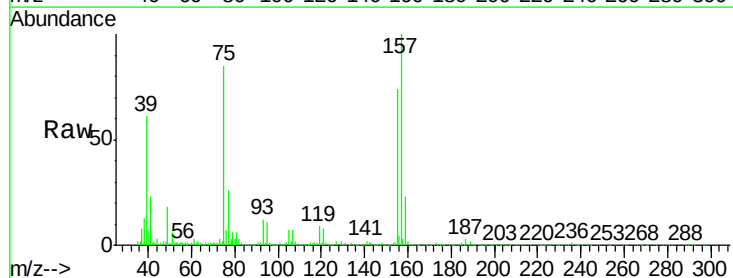
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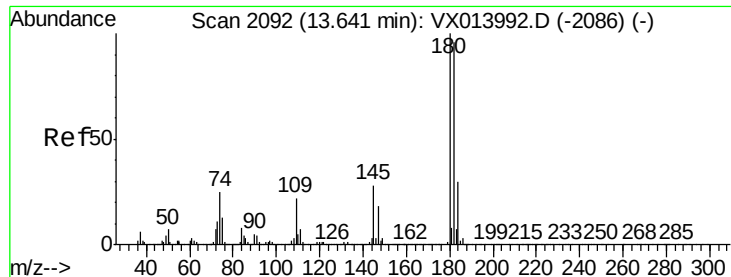
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.548 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	73.8	110.6
157	120.9	95.0	142.4





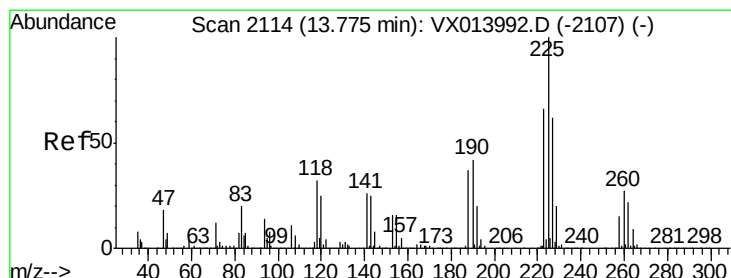
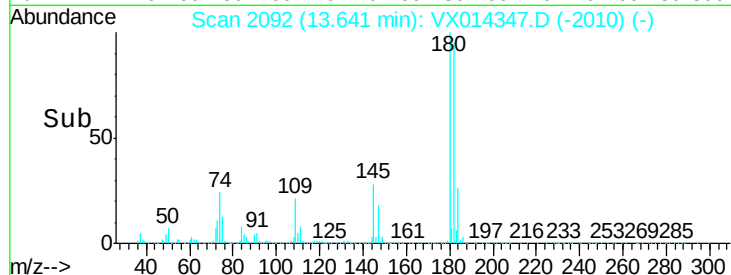
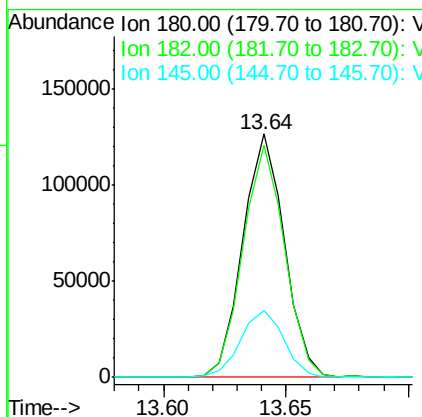
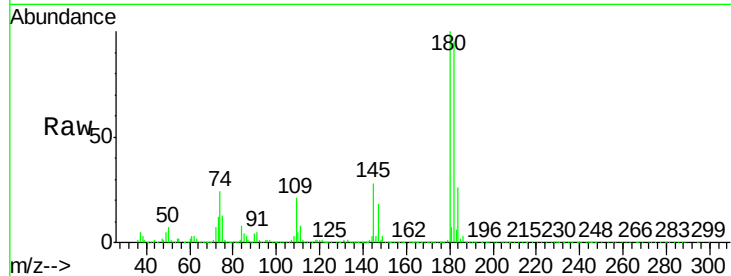
#89
 1,2,4-Trichlorobenzene
 Concen: 20.406 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1230WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	149725		
182	95.2	76.4	114.6	
145	28.4	21.9	32.9	

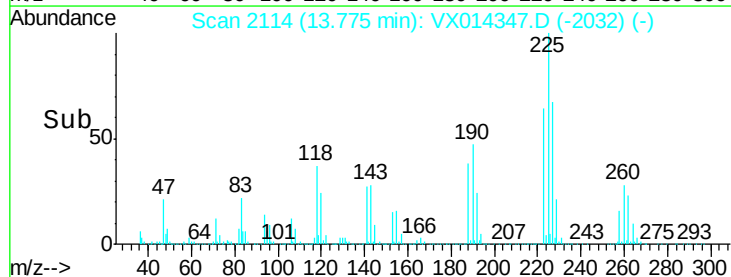
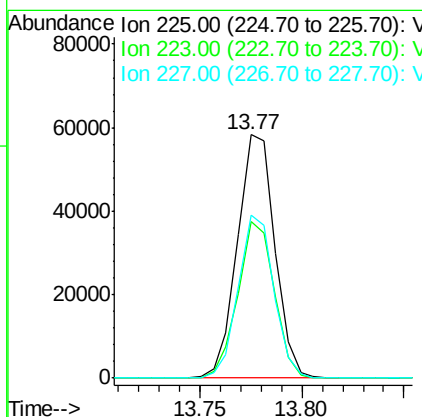
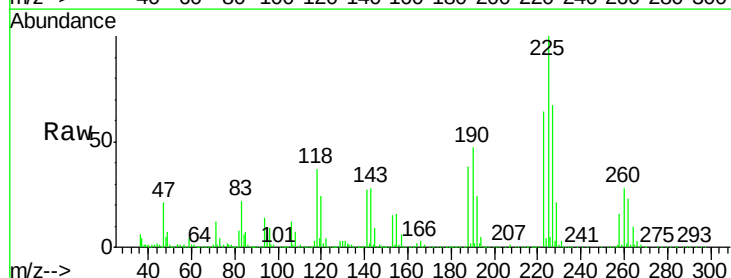
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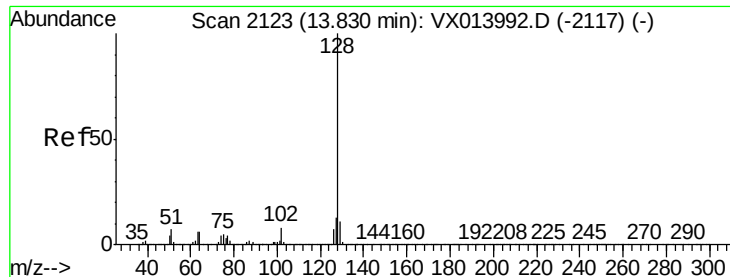
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#90
 Hexachlorobutadiene
 Concen: 21.325 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX014347.D
 Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74375		
223	62.5	0.0	127.4	
227	63.4	0.0	122.8	





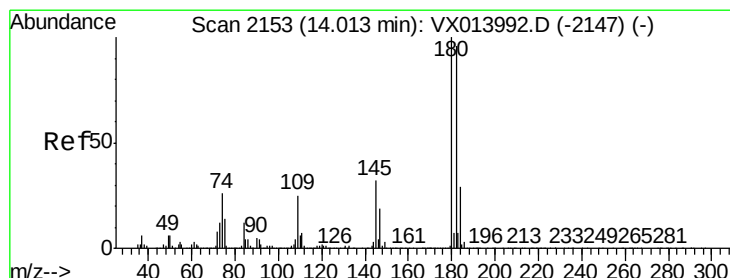
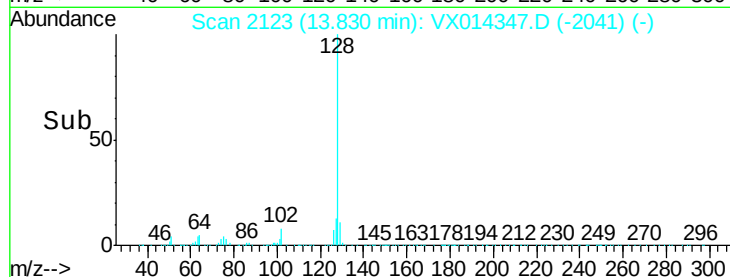
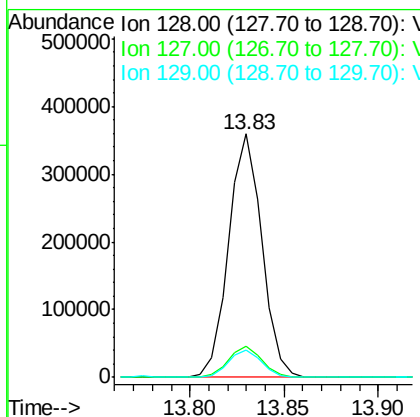
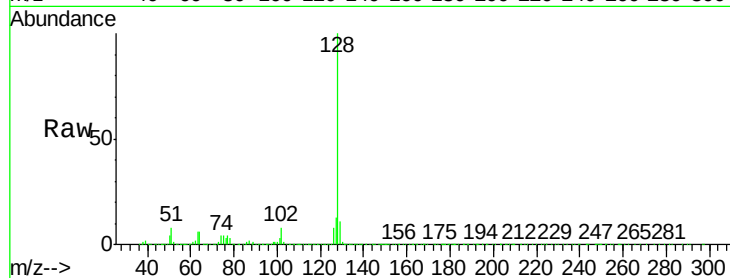
#91
Naphthalene
Concen: 19.908 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Instrument :
MSVOA_X
ClientSampleId :
VX1230WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	439043		
127	12.8		10.4	15.6
129	11.1		8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 19.975 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX014347.D
Acq: 30 Dec 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	148657		
182	97.3		0.0	192.8
145	30.6		0.0	60.0

