

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111219\
 Data File : VX013387.D
 Acq On : 12 Nov 2019 16:05
 Operator : JC/SP
 Sample : VX1112WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 9:38:30 AM

Quant Time: Nov 13 03:18:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	694036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1064077	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	951888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	467760	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	399811	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	5.48	113	327316	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
50) Toluene-d8	8.71	98	1258937	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.13	95	444676	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	149709	18.721	ug/l	99
3) Chloromethane	1.31	50	165149	19.044	ug/l	97
4) Vinyl Chloride	1.40	62	191123	19.359	ug/l	99
5) Bromomethane	1.62	94	115703	16.817	ug/l	99
6) Chloroethane	1.72	64	105566	17.942	ug/l	99
7) Trichlorofluoromethane	1.92	101	209480	17.960	ug/l	99
8) Diethyl Ether	2.18	74	94954	18.409	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	127319	19.584	ug/l	100
10) Methyl Iodide	2.50	142	143642	17.846	ug/l	97
11) Tert butyl alcohol	3.03	59	187912	86.709	ug/l	99
12) 1,1-Dichloroethene	2.36	96	129496	20.341	ug/l	98
13) Acrolein	2.28	56	122984	104.709	ug/l	99
14) Allyl chloride	2.72	41	233797	20.212	ug/l	96
15) Acrylonitrile	3.13	53	405193	100.094	ug/l	99
16) Acetone	2.43	43	402920	98.245	ug/l	98
17) Carbon Disulfide	2.56	76	322924	18.951	ug/l	99
18) Methyl Acetate	2.76	43	236512	20.889	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	440380	20.740	ug/l	98
20) Methylene Chloride	2.84	84	148637	19.616	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	138166	19.933	ug/l	96
22) Diisopropyl ether	3.84	45	464901	20.818	ug/l	98
23) Vinyl Acetate	3.80	43	1932247	101.115	ug/l	100
24) 1,1-Dichloroethane	3.69	63	249826	19.998	ug/l	100
25) 2-Butanone	4.65	43	596772	99.190	ug/l	99
26) 2,2-Dichloropropane	4.57	77	203058	20.432	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	160186	20.629	ug/l	99
28) Bromochloromethane	5.00	49	67965	19.161	ug/l	99
29) Tetrahydrofuran	5.11	42	375714	101.336	ug/l	99
30) Chloroform	5.20	83	253526	20.552	ug/l	98
31) Cyclohexane	5.56	56	228262	20.306	ug/l	94
32) 1,1,1-Trichloroethane	5.48	97	213344	20.096	ug/l	99
36) 1,1-Dichloropropene	5.79	75	183617	20.115	ug/l	99
37) Ethyl Acetate	4.82	43	226155	20.050	ug/l	98
38) Carbon Tetrachloride	5.78	117	176791	19.805	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	218666	19.225	ug/l	97
40) Benzene	6.13	78	567442	19.956	ug/l	100
41) Methacrylonitrile	5.03	41	123339	19.509	ug/l	97
42) 1,2-Dichloroethane	6.18	62	200950	19.592	ug/l	99
43) Isopropyl Acetate	6.43	43	350621	19.962	ug/l	99
44) Trichloroethene	7.20	130	151537	19.360	ug/l	97
45) 1,2-Dichloropropane	7.51	63	148374	20.479	ug/l	97
46) Dibromomethane	7.65	93	97178	19.645	ug/l	98
47) Bromodichloromethane	7.89	83	189402	20.304	ug/l	97
48) Methyl methacrylate	7.76	41	175952	20.068	ug/l	97
49) 1,4-Dioxane	7.73	88	77000	383.480	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1130010	98.058	ug/l	99
52) Toluene	8.78	92	359832	20.417	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	204531	20.052	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	232283	20.358	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	150139	20.553	ug/l	97
56) Ethyl methacrylate	9.17	69	235931	19.890	ug/l	97
57) 1,3-Dichloropropane	9.37	76	249651	20.133	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	504114	100.930	ug/l	99
59) 2-Hexanone	9.48	43	877993	98.591	ug/l	99
60) Dibromochloromethane	9.57	129	149542	20.017	ug/l	100
61) 1,2-Dibromoethane	9.67	107	154865	19.965	ug/l	99
64) Tetrachloroethene	9.33	164	136002	19.958	ug/l	95
65) Chlorobenzene	10.14	112	382063	19.825	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	144977	20.489	ug/l	99
67) Ethyl Benzene	10.25	91	678424	20.397	ug/l	100
68) m/p-Xylenes	10.36	106	513804	40.847	ug/l	100
69) o-Xylene	10.70	106	250573	20.347	ug/l	99
70) Styrene	10.71	104	426650	20.725	ug/l	98
71) Bromoform	10.85	173	114943	19.600	ug/l #	100
73) Isopropylbenzene	11.01	105	667581	21.526	ug/l	99
74) N-amyl acetate	10.89	43	308929	21.481	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	237858	21.023	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	191272m	20.132	ug/l	
77) Bromobenzene	11.25	156	174057	21.053	ug/l	97
78) n-propylbenzene	11.35	91	742498	21.492	ug/l	99
79) 2-Chlorotoluene	11.42	91	440965	21.186	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	552541	21.389	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	71669	19.417	ug/l	98
82) 4-Chlorotoluene	11.51	91	505230	20.736	ug/l	100
83) tert-Butylbenzene	11.76	119	561359	21.587	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	563994	21.764	ug/l	100
85) sec-Butylbenzene	11.94	105	636166	21.286	ug/l	99
86) p-Isopropyltoluene	12.06	119	589682	21.427	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	300841	20.414	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	297718	19.828	ug/l	99
89) n-Butylbenzene	12.39	91	485683	20.226	ug/l	99
90) Hexachloroethane	12.59	117	100651	20.527	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	304517	20.671	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	50044	18.155	ug/l	98

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ClientSampleId :
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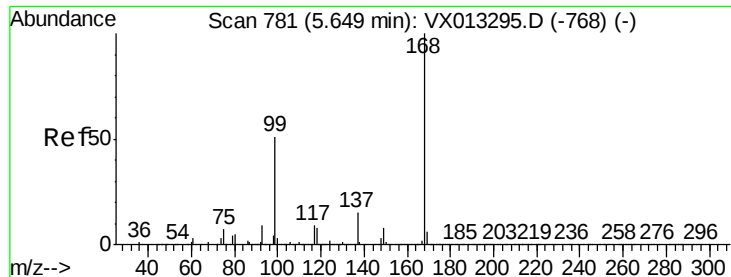
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	203599	19.813	ug/l	100
94) Hexachlorobutadiene	13.78	225	99215	19.735	ug/l	97
95) Naphthalene	13.83	128	640486	19.866	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	204048	19.800	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion:168 Resp: 694036

Ion Ratio Lower Upper

168 100

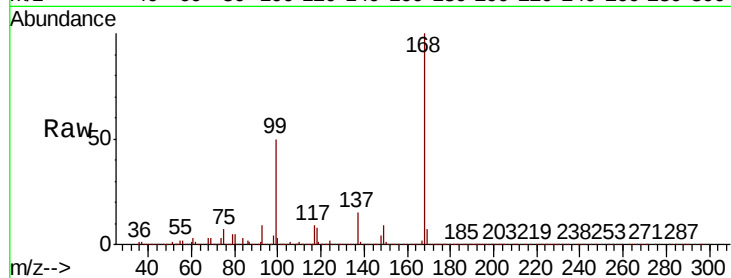
99 49.8 40.8 61.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

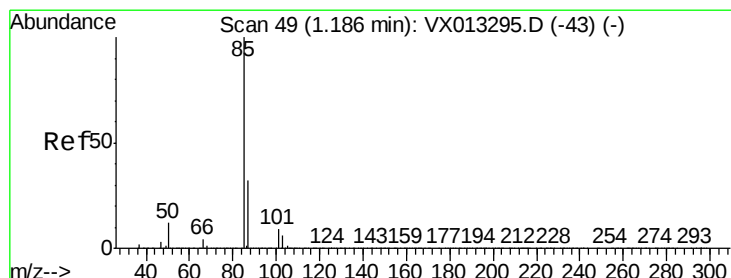
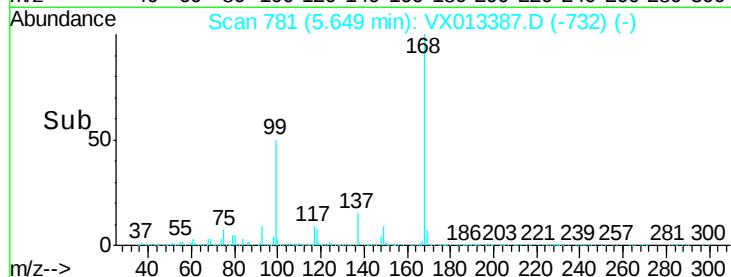
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.721 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013387.D

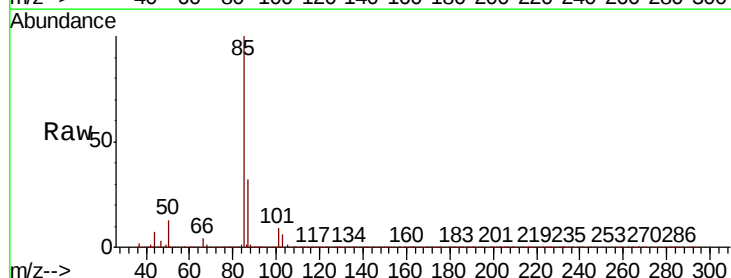
Acq: 12 Nov 2019 16:05

Tgt Ion: 85 Resp: 149709

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

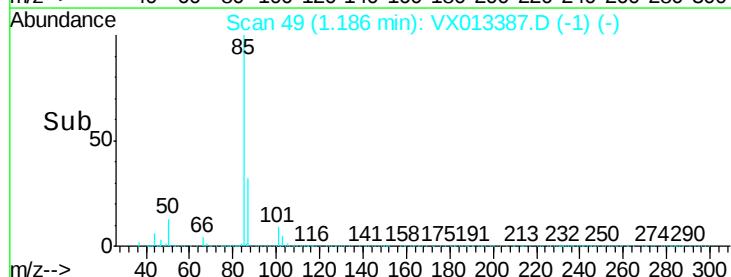
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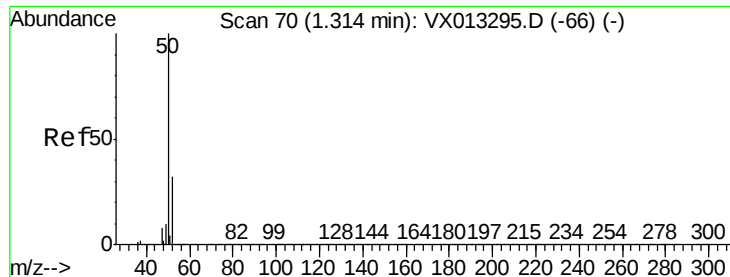
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1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 19.044 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 50 Resp: 165149

Ion Ratio Lower Upper

50 100

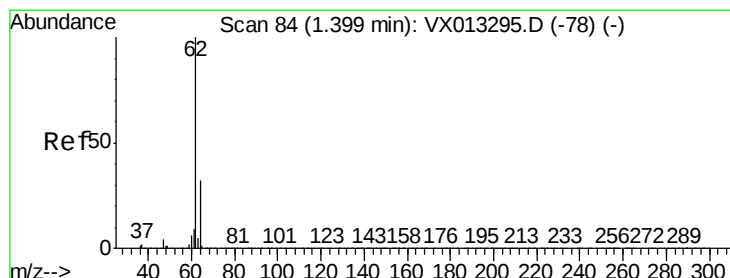
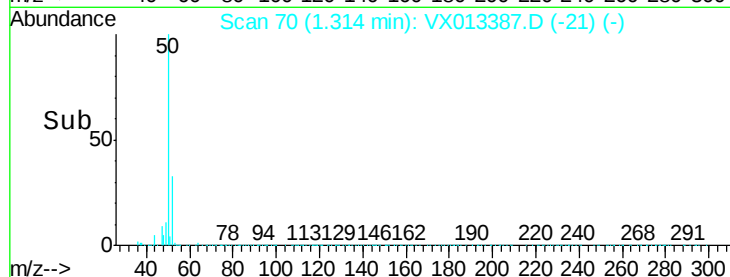
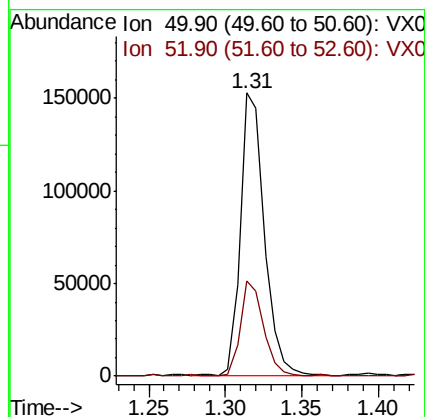
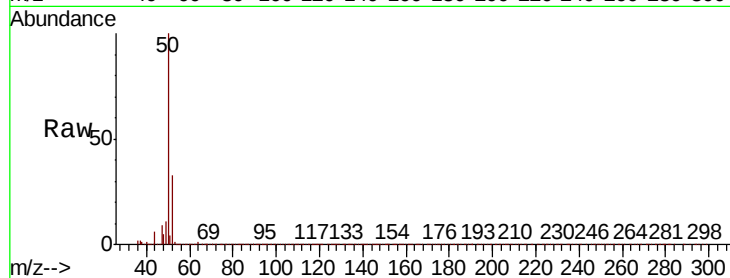
52 33.3 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.359 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013387.D

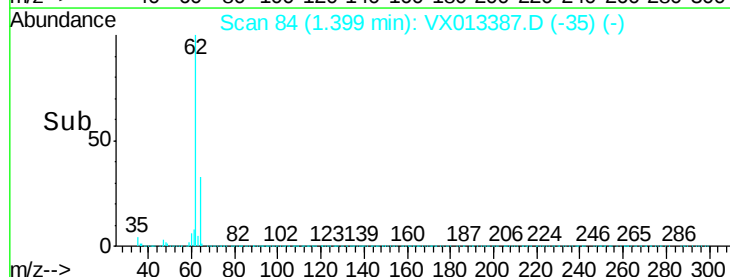
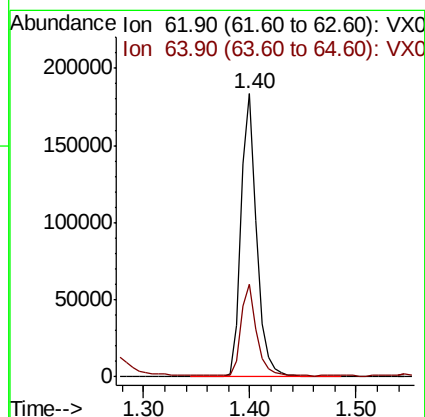
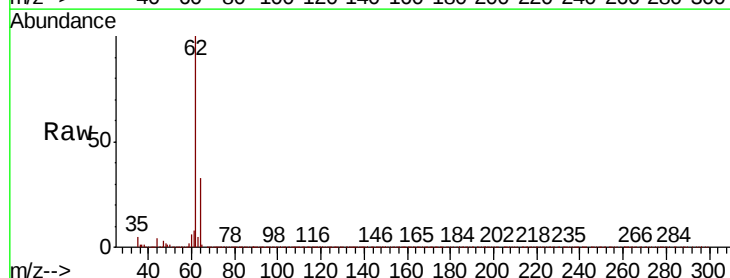
Acq: 12 Nov 2019 16:05

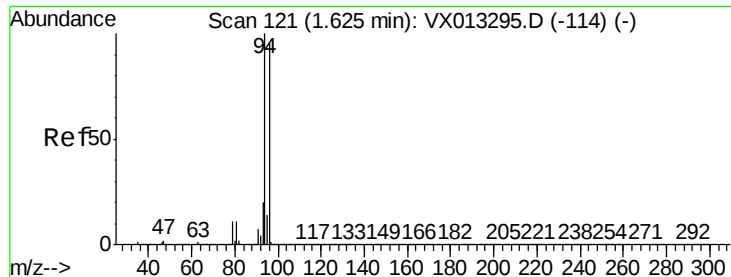
Tgt Ion: 62 Resp: 191123

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





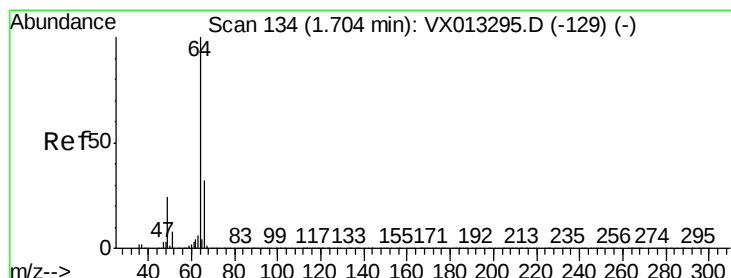
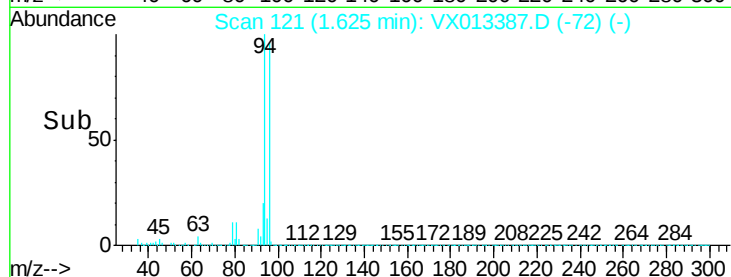
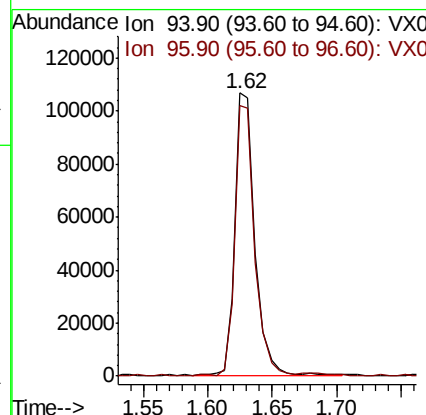
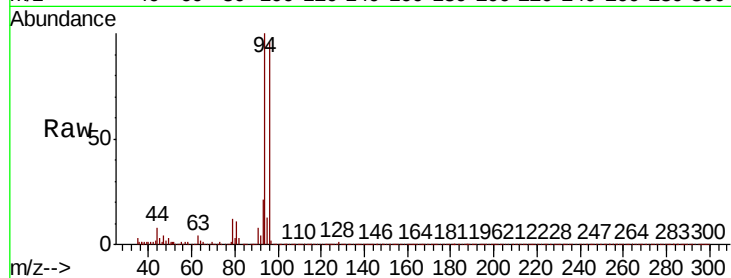
#5
Bromomethane
Concen: 16.817 ug/l
RT: 1.62 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

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ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
94	100		
96	95.9	75.8	113.8

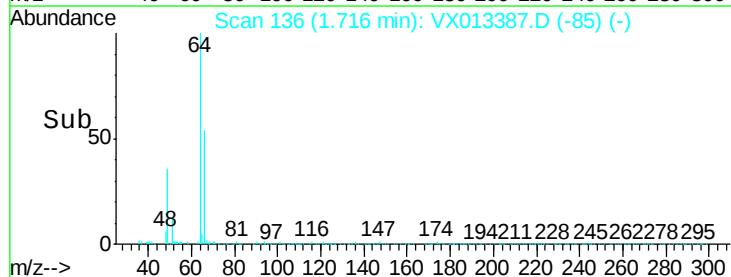
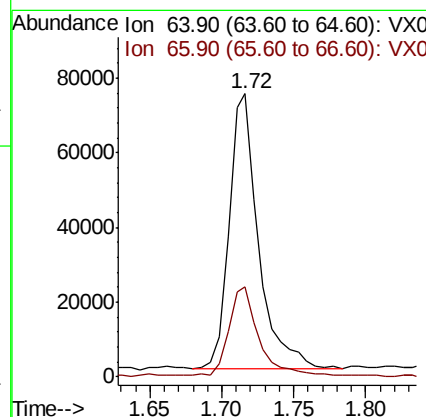
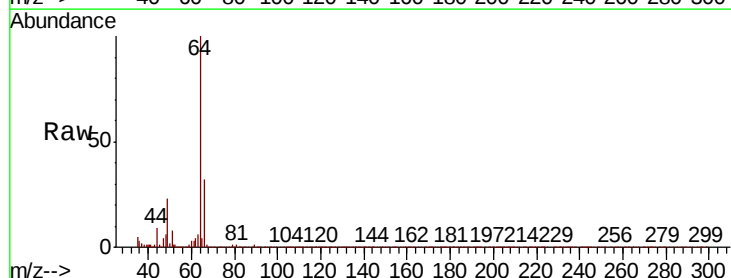
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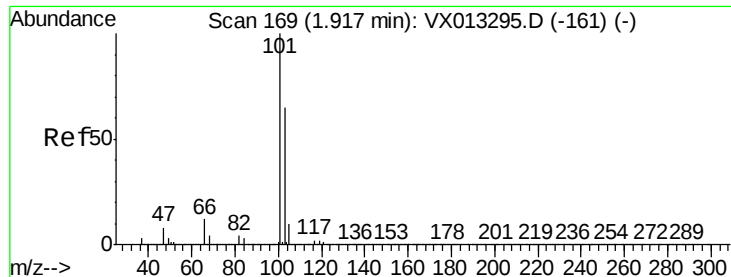
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11/13/2019 9:38:30 AM



#6
Chloroethane
Concen: 17.942 ug/l
RT: 1.72 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.6	38.4





#7

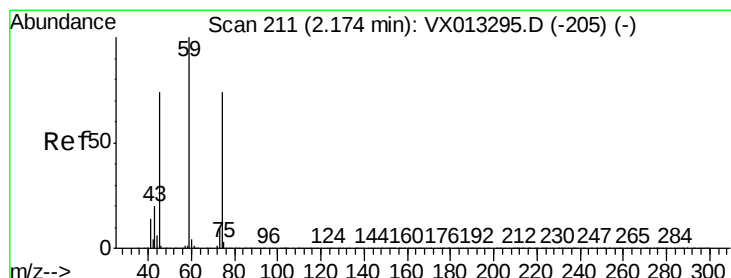
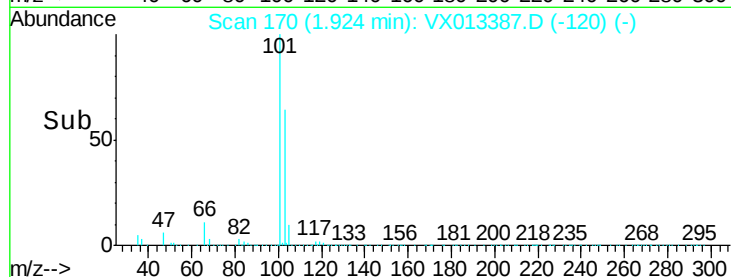
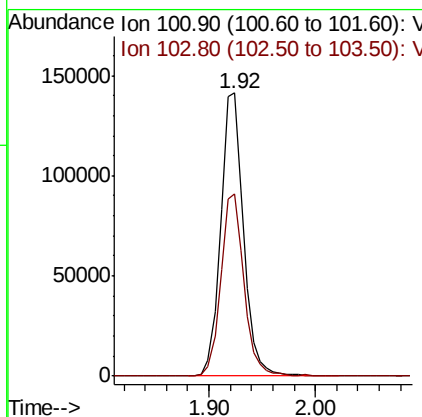
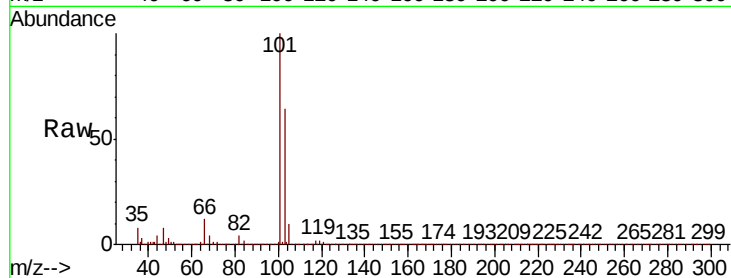
Trichlorofluoromethane
Concen: 17.960 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
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ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.3	78.5

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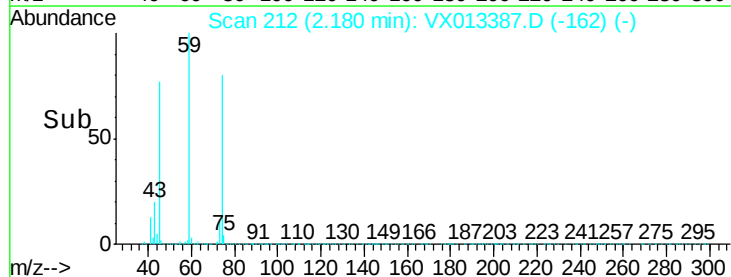
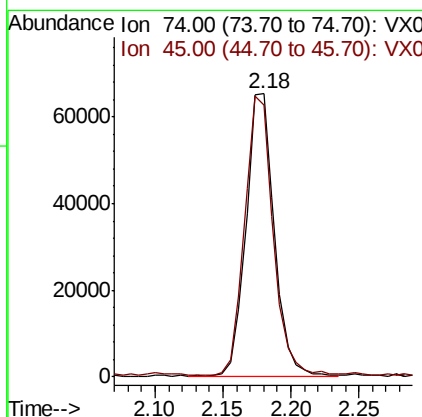
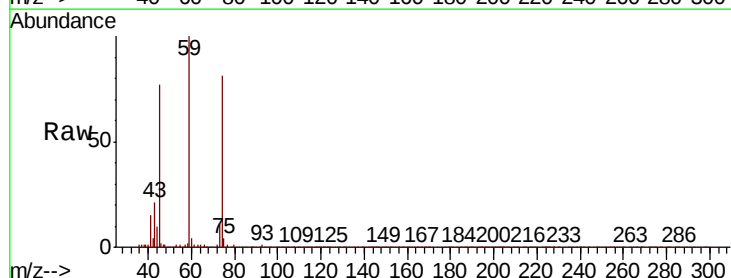
MMDadoda
11/13/2019 9:38:30 AM

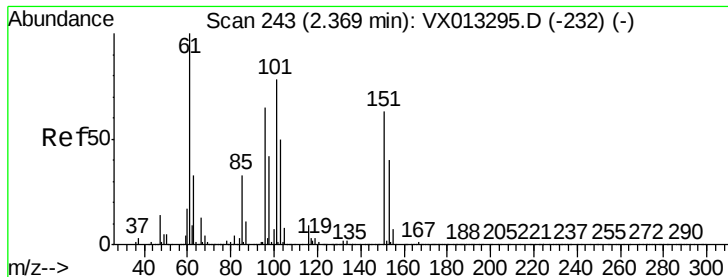


#8

Diethyl Ether
Concen: 18.409 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	48.5	145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.584 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

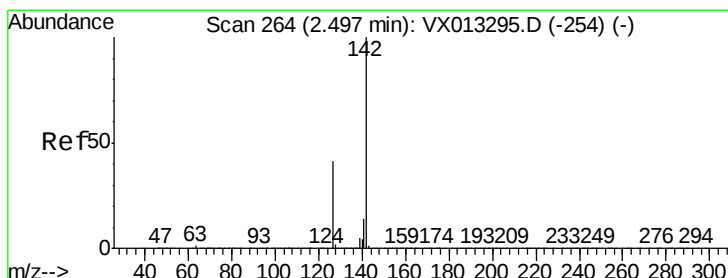
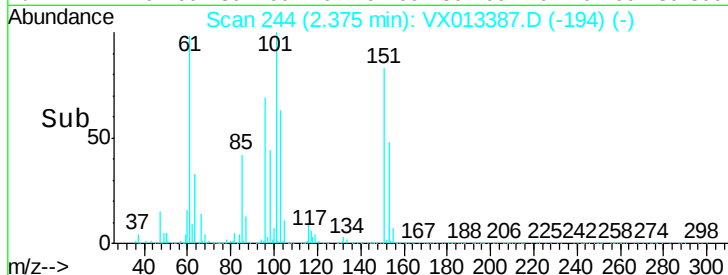
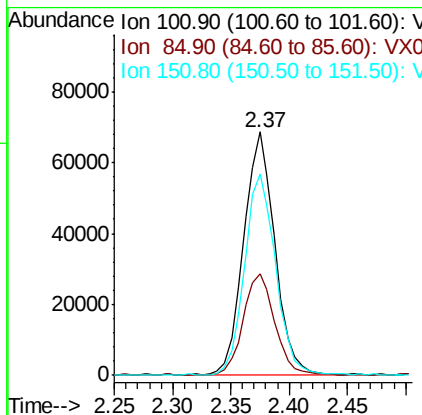
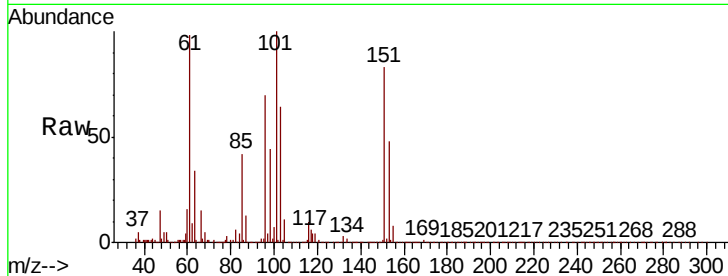
ClientSampleId :

VX1112WBSD02

Tot Ion:	101	Resp:	127319
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.4	51.6
151	83.3	66.4	99.6

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#10

Methyl Iodide

Concen: 17.846 ug/l

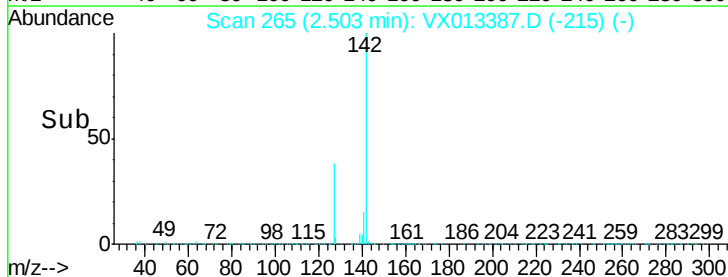
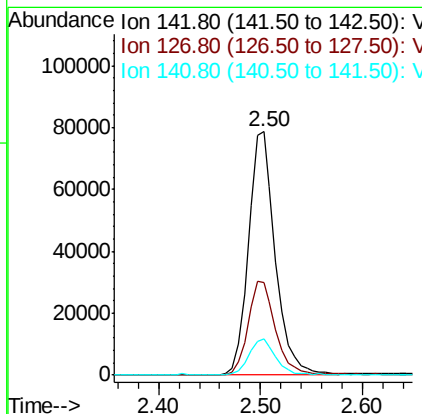
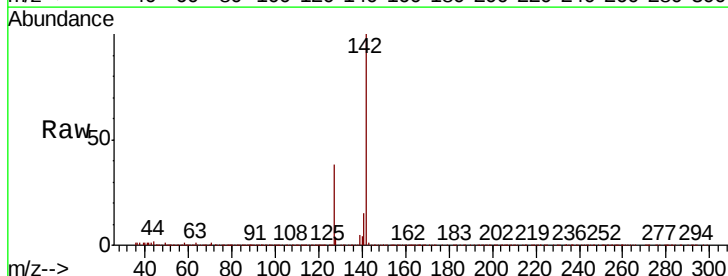
RT: 2.50 min Scan# 265

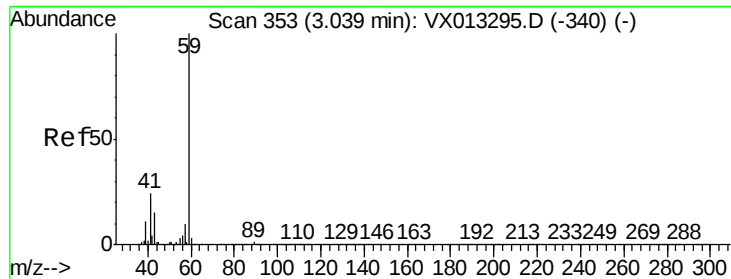
Delta R.T. 0.01 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Tgt Ion:	142	Resp:	143642
Ion Ratio	Lower	Upper	
142	100		
127	38.3	32.6	49.0
141	14.8	11.6	17.4





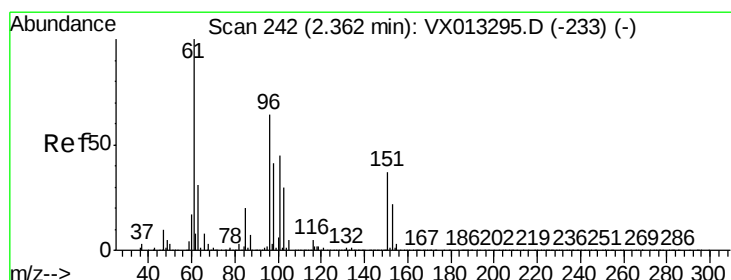
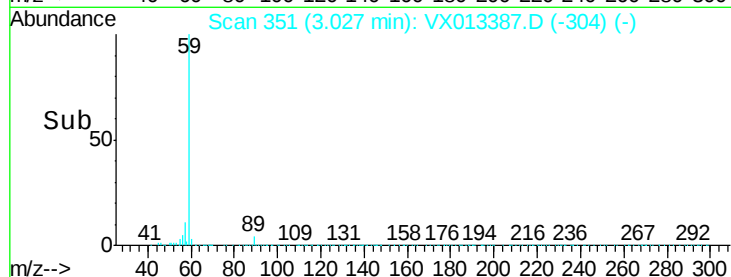
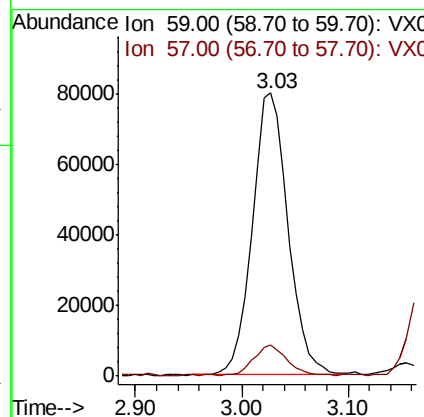
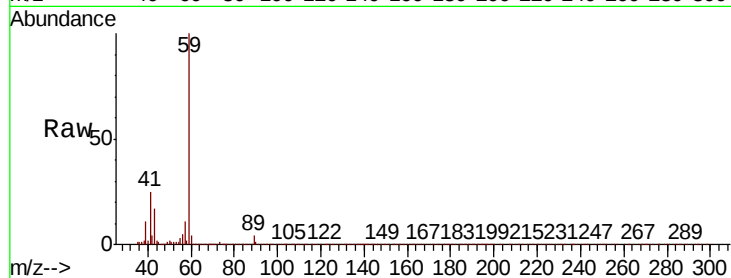
#11
Tert butyl alcohol
Concen: 86.709 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.0	12.0

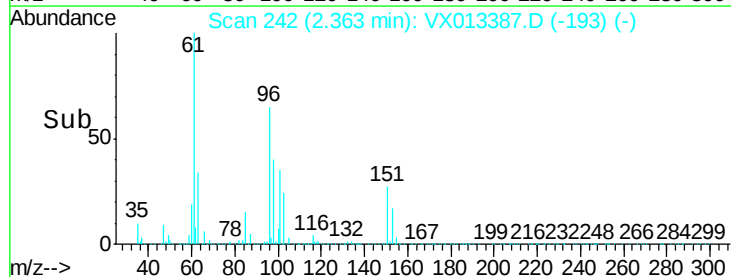
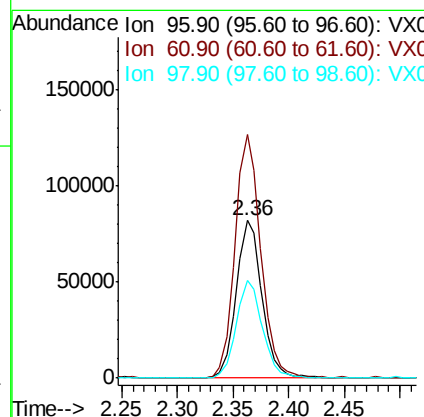
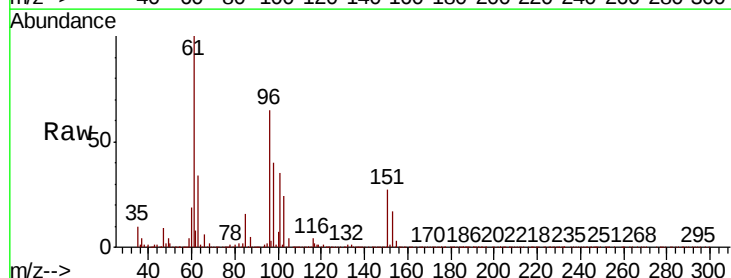
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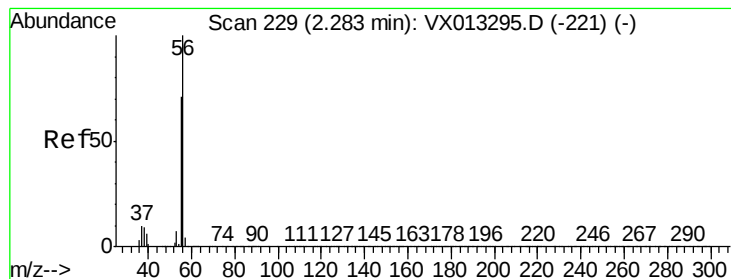
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.341 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	125.0	187.6
98	61.6	50.7	76.1





#13

Acrolein

Concen: 104.709 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 56 Resp: 122984

Ion Ratio Lower Upper

56 100

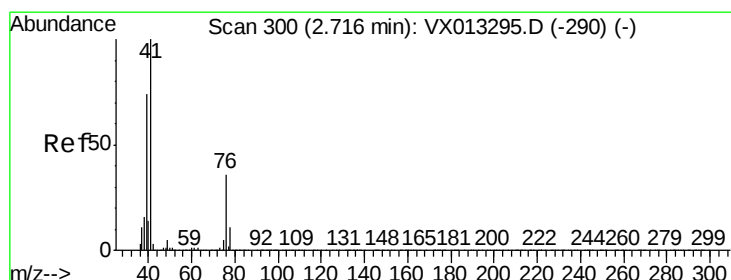
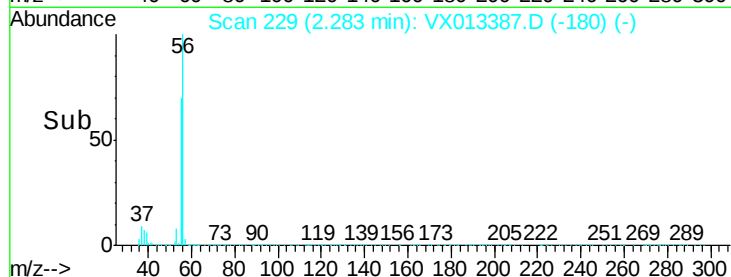
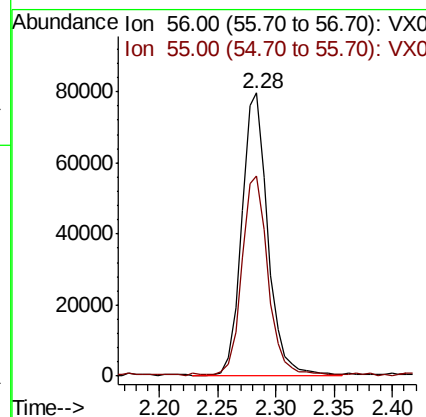
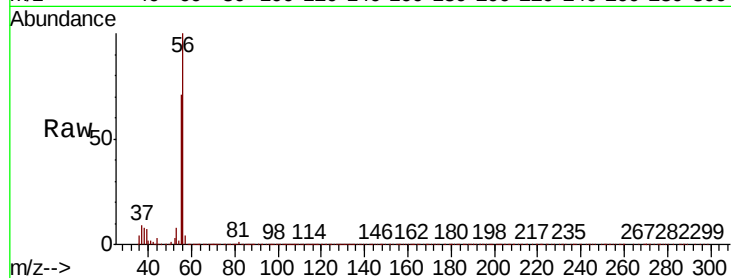
55 70.8 57.4 86.0

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#14

Allyl chloride

Concen: 20.212 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

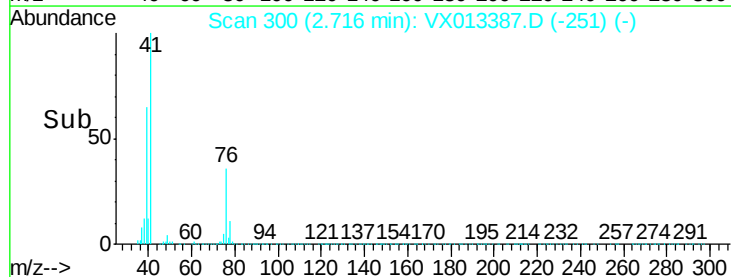
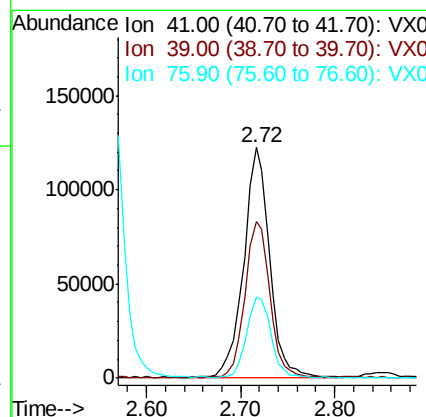
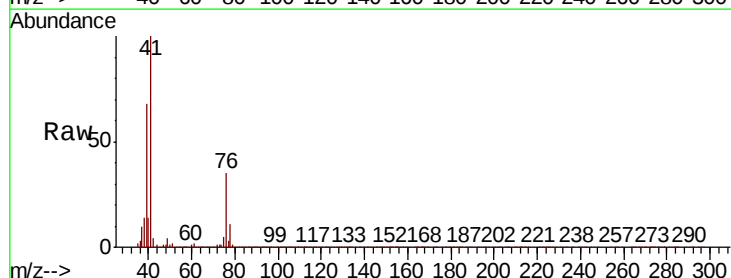
Tgt Ion: 41 Resp: 233797

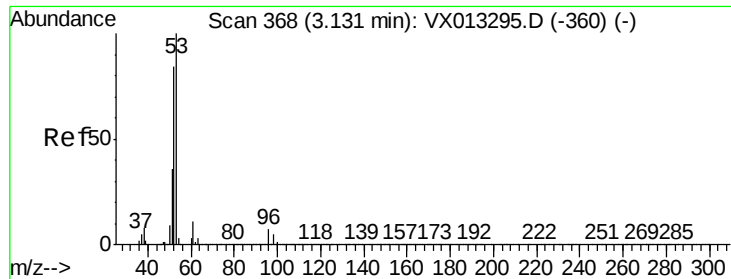
Ion Ratio Lower Upper

41 100

39 65.1 55.8 83.8

76 32.9 26.4 39.6





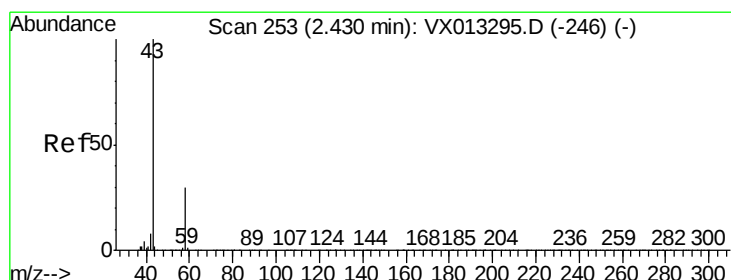
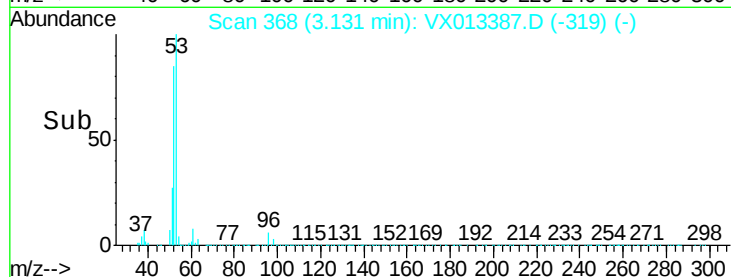
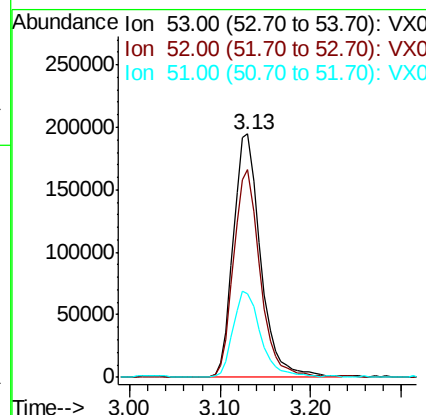
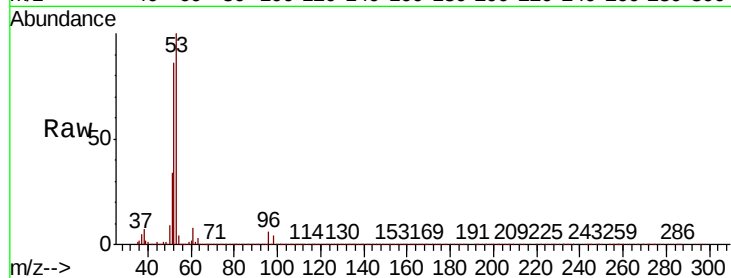
#15
Acrylonitrile
Concen: 100.094 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
53	53	100		
52	52	83.4	67.4	101.0
51	51	35.6	29.4	44.2

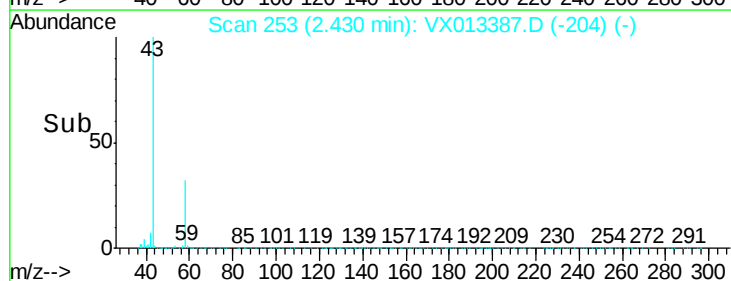
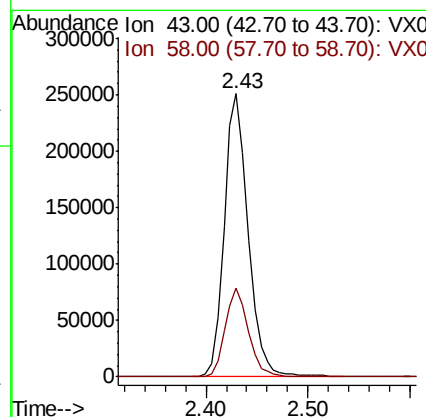
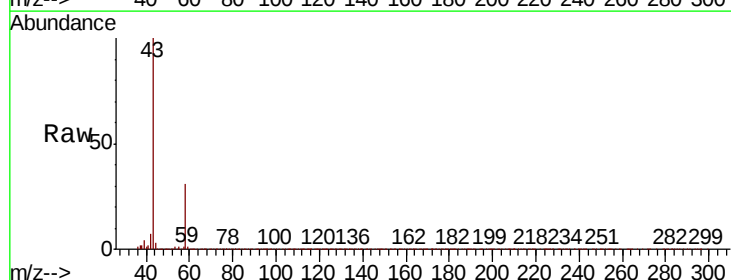
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#16
Acetone
Concen: 98.245 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
58	58	31.4	24.3	36.5





#17

Carbon Disulfide

Concen: 18.951 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 76 Resp: 322924

Ion Ratio Lower Upper

76 100

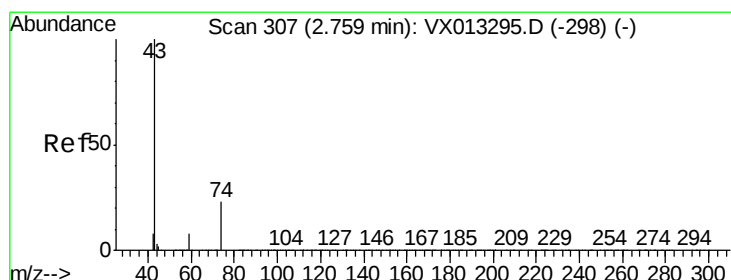
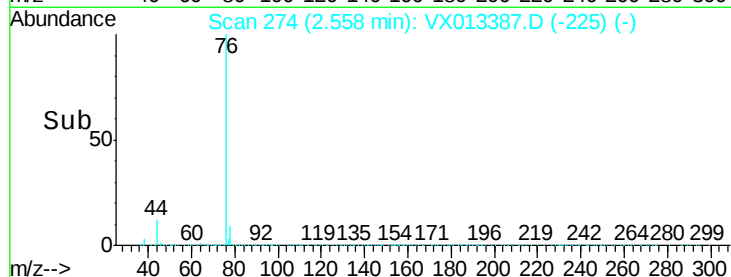
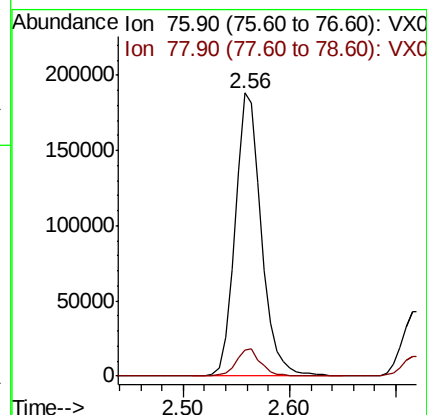
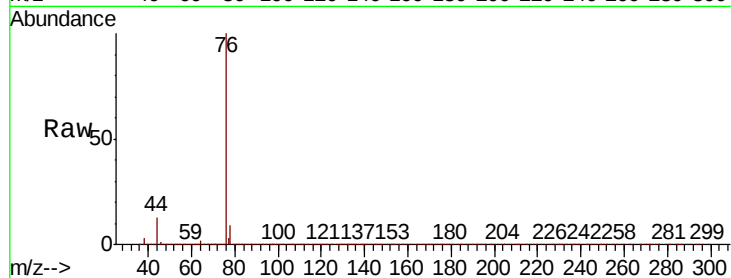
78 9.3 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 20.889 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013387.D

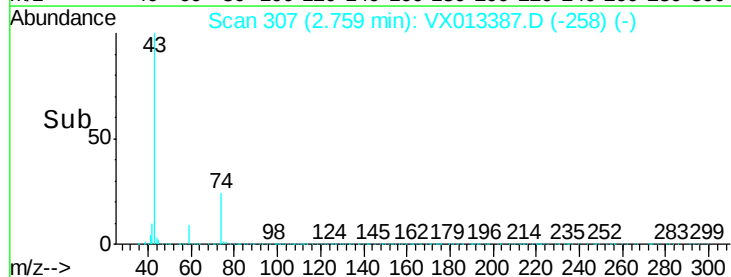
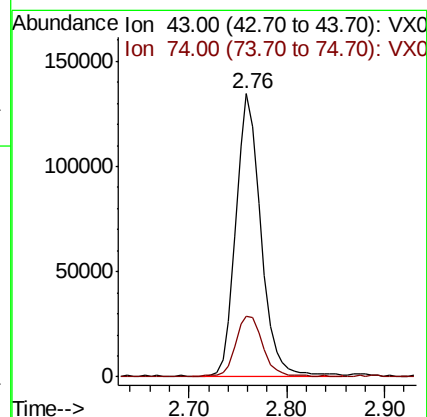
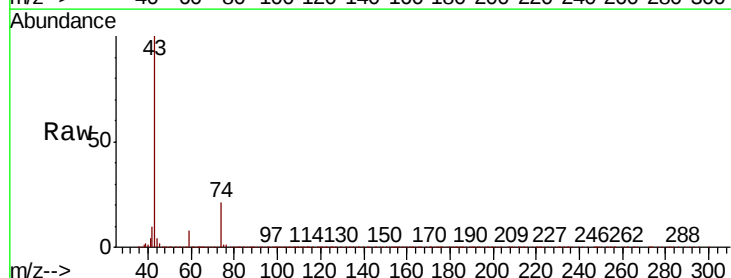
Acq: 12 Nov 2019 16:05

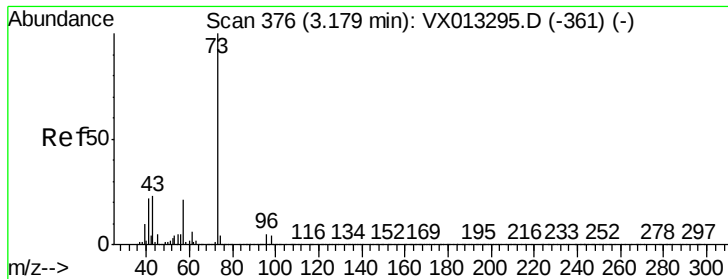
Tgt Ion: 43 Resp: 236512

Ion Ratio Lower Upper

43 100

74 23.8 19.0 28.6





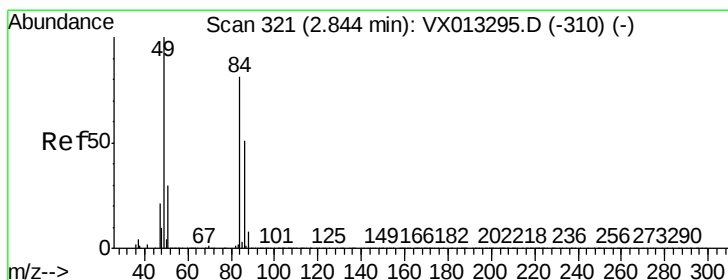
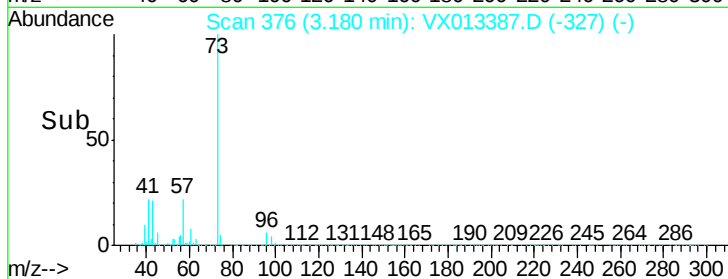
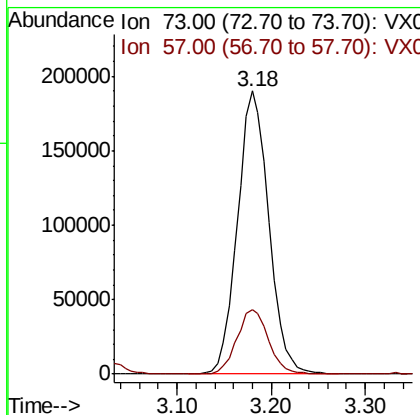
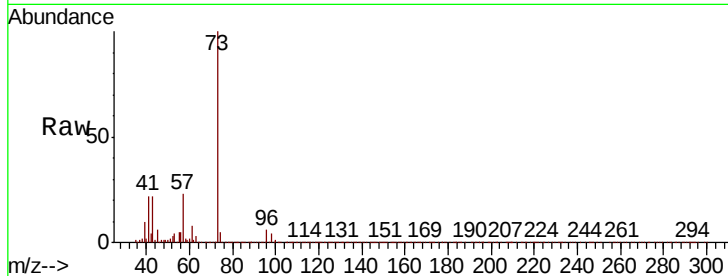
#19
Methvl tert-butvl Ether
Concen: 20.740 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.1	25.7

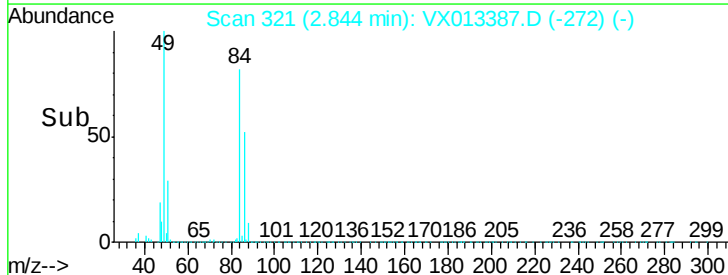
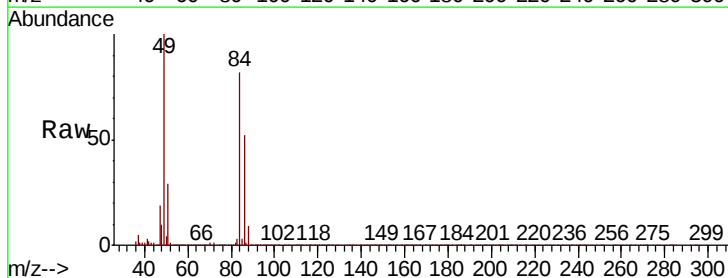
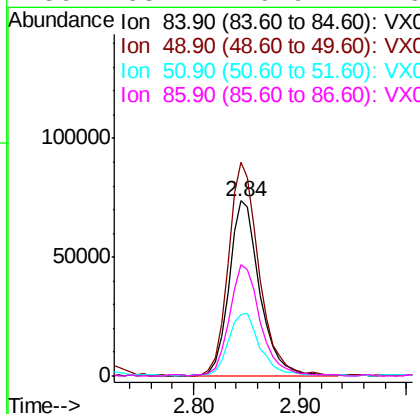
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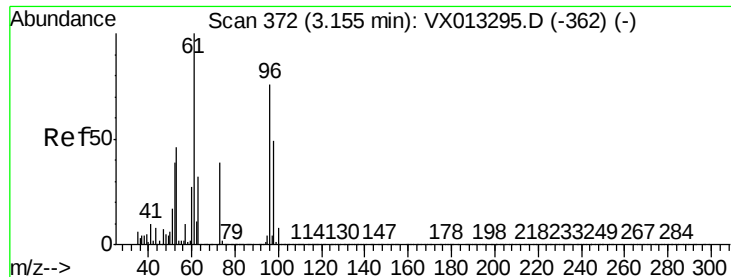
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#20
Methylene Chloride
Concen: 19.616 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.1	98.2	147.4
51	34.7	29.9	44.9
86	63.4	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 19.933 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 96 Resp: 138166

Ion Ratio Lower Upper

96 100

61 137.6 105.8 158.6

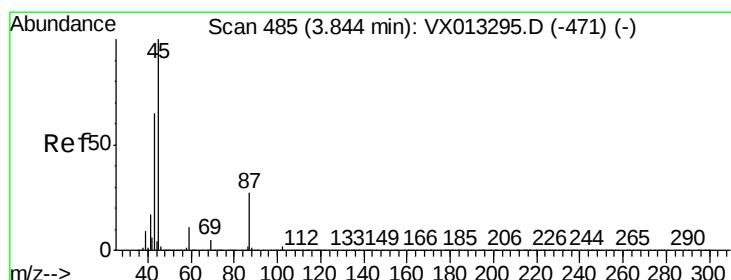
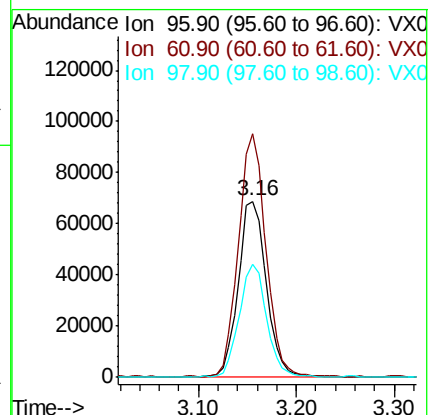
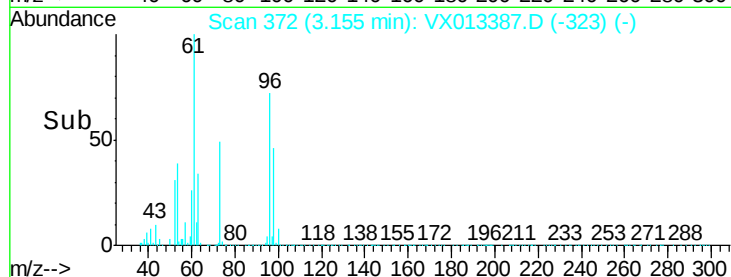
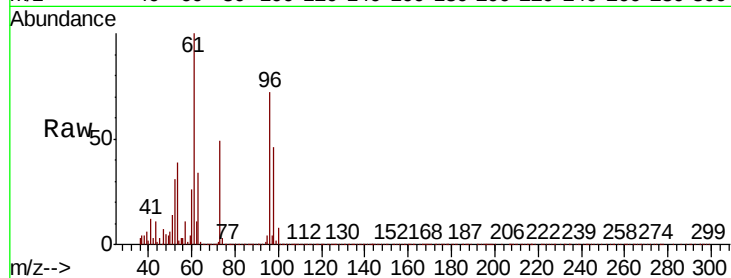
98 63.7 51.8 77.6

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#22

Diisopropyl ether

Concen: 20.818 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Tgt Ion: 45 Resp: 464901

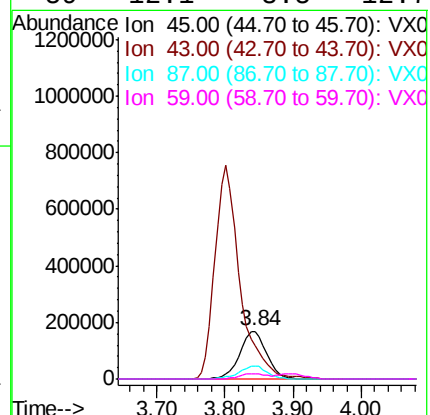
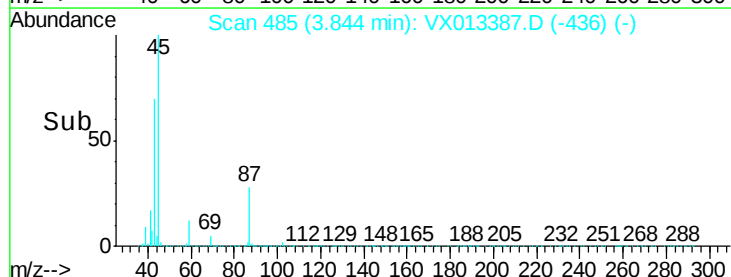
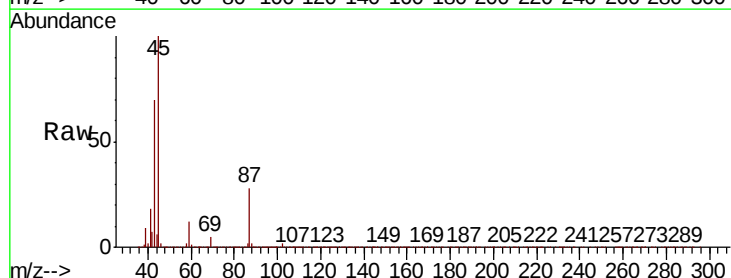
Ion Ratio Lower Upper

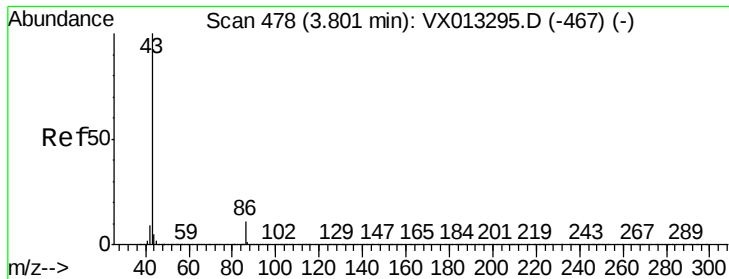
45 100

43 69.6 54.2 81.2

87 28.4 21.8 32.8

59 12.1 8.5 12.7





#23

Vinyl Acetate

Concen: 101.115 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 43 Resp: 1932247

Ion Ratio Lower Upper

43 100

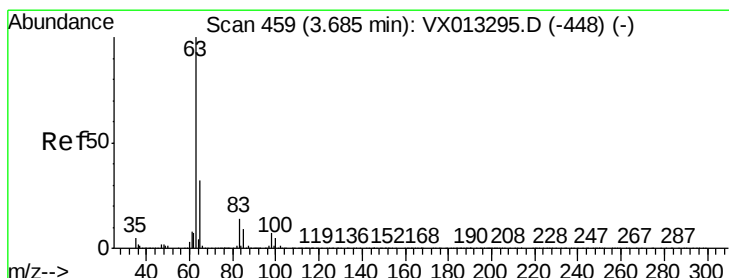
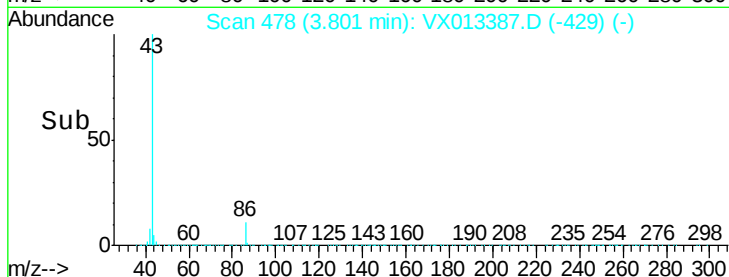
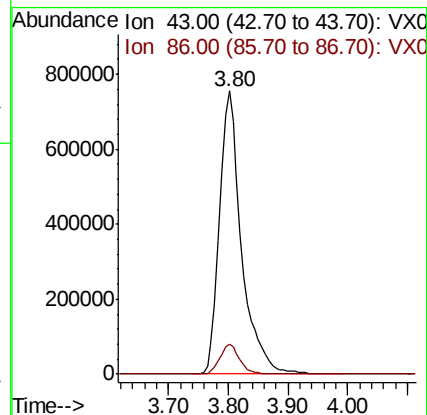
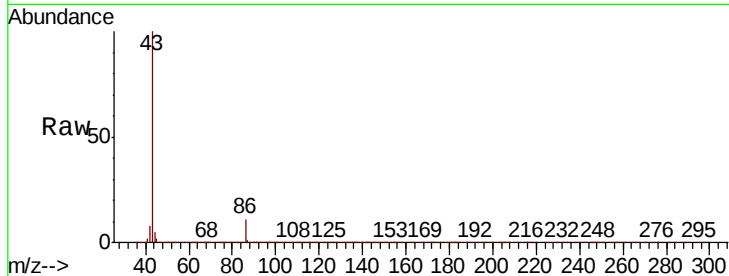
86 10.7 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 19.998 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

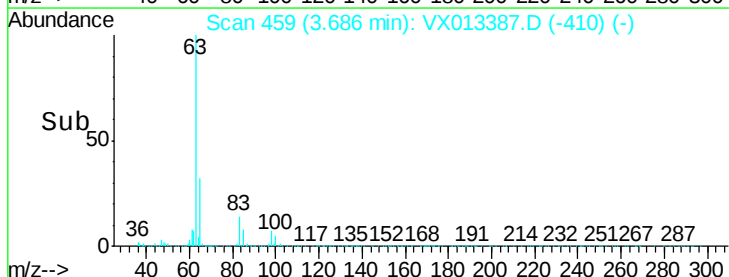
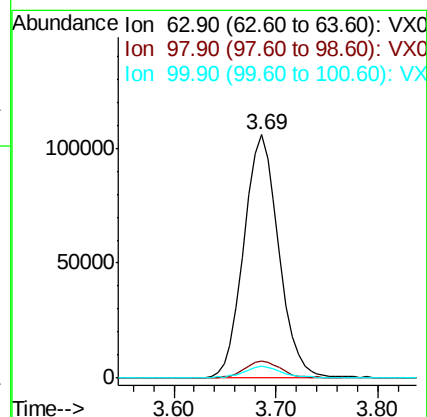
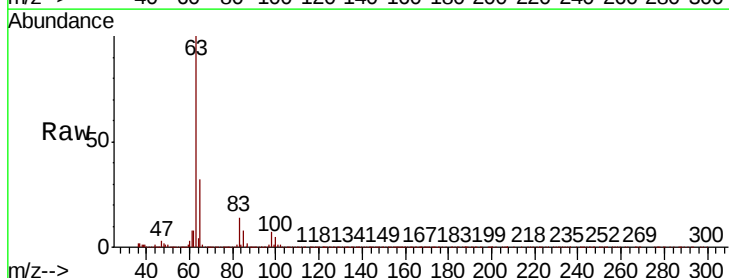
Tgt Ion: 63 Resp: 249826

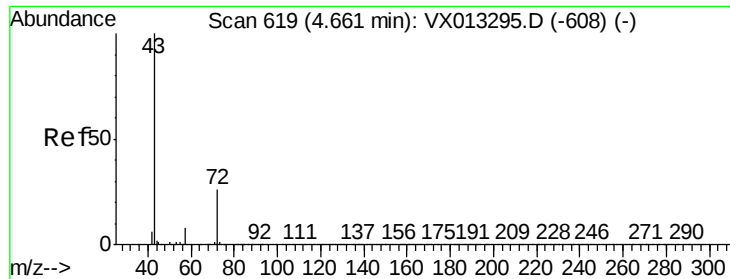
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 99.190 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 43 Resp: 596772

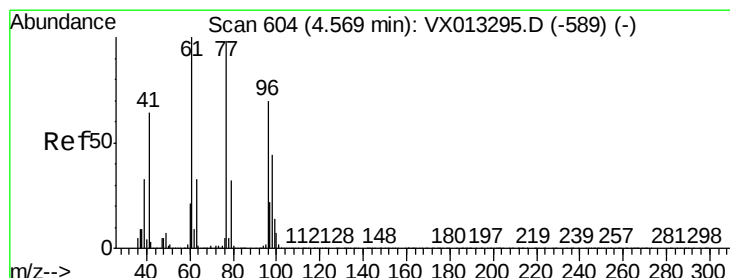
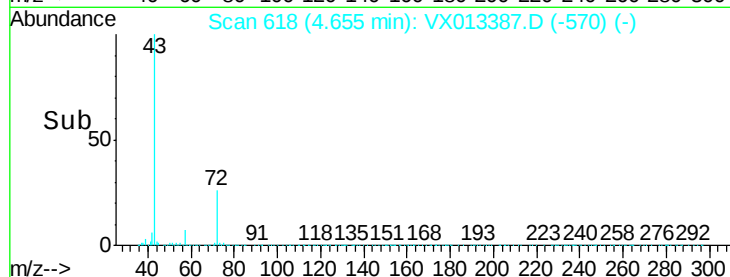
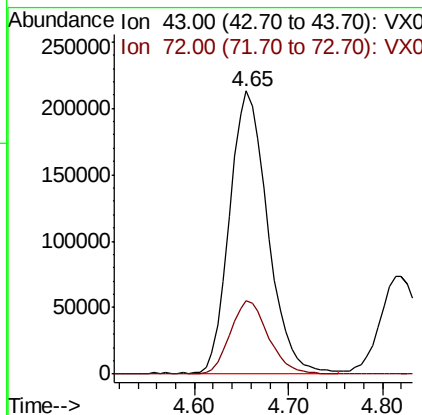
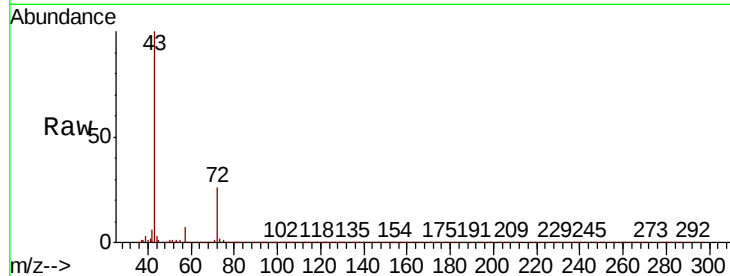
Ion Ratio Lower Upper

43 100

72 25.6 21.0 31.6

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#26

2,2-Dichloropropane

Concen: 20.432 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013387.D

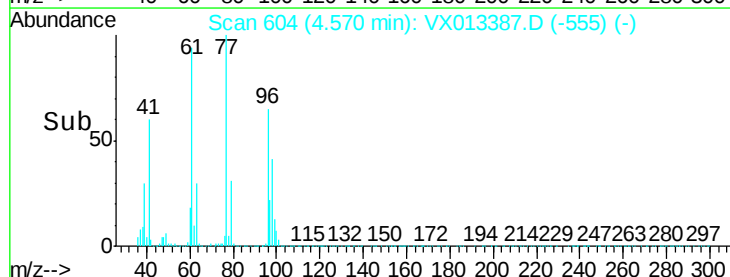
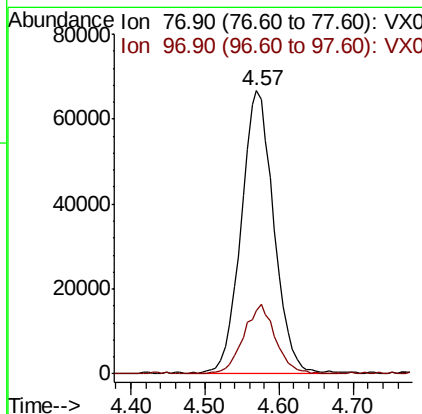
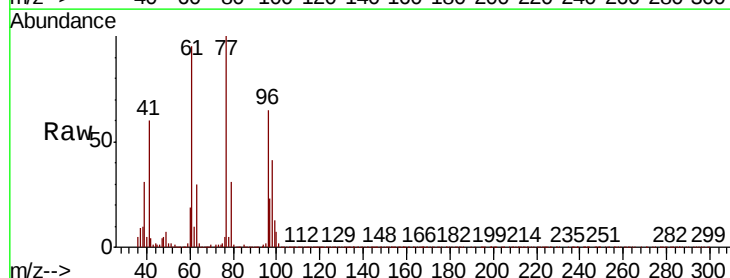
Acq: 12 Nov 2019 16:05

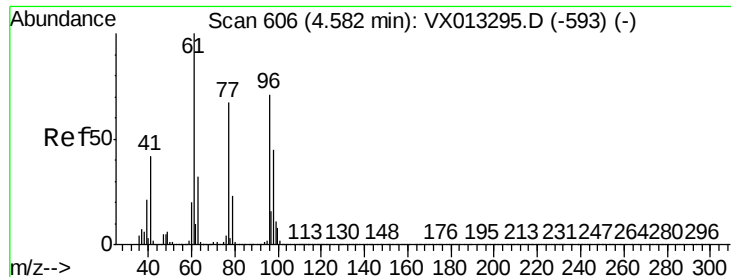
Tgt Ion: 77 Resp: 203058

Ion Ratio Lower Upper

77 100

97 24.3 11.3 33.8





#27

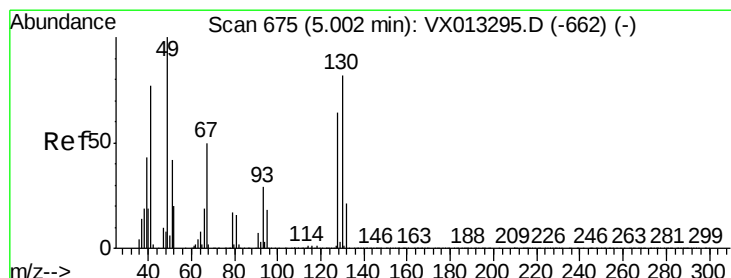
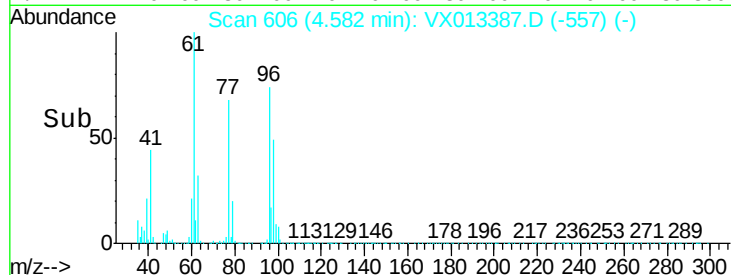
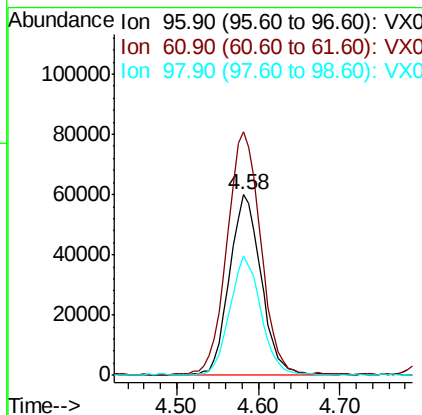
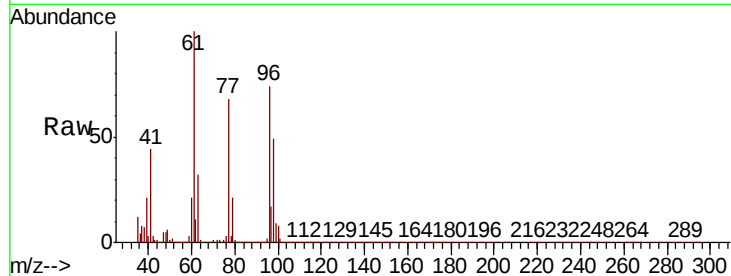
cis-1,2-Dichloroethene
Concen: 20.629 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	160186		
61	142.0	0.0	288.0	
98	64.5	0.0	129.6	

Manual Integrations
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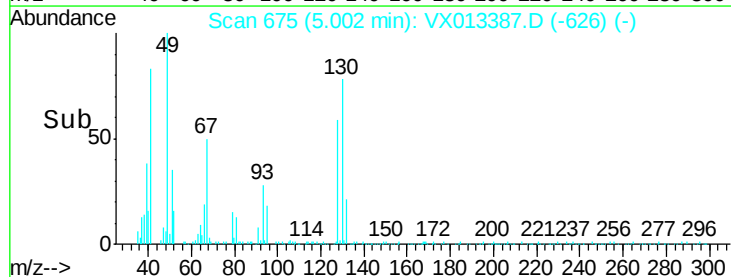
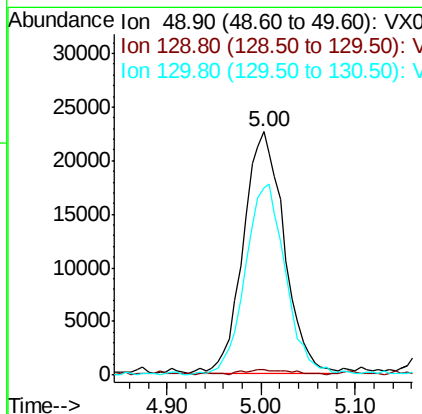
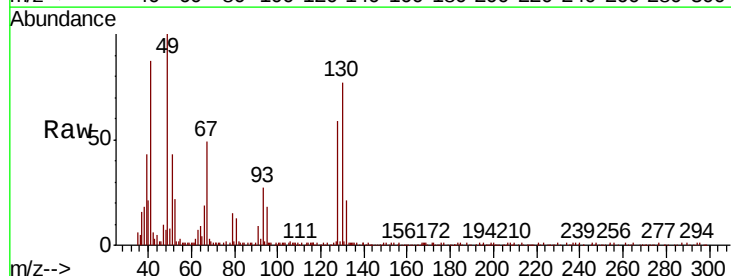
MMDadoda
11/13/2019 9:38:30 AM

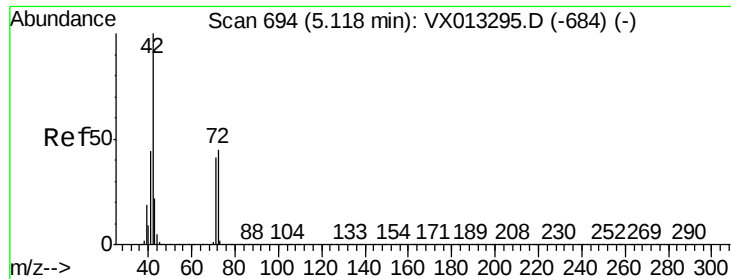


#28

Bromochloromethane
Concen: 19.161 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	67965		
129	2.6	0.0	5.2	
130	79.0	63.8	95.6	





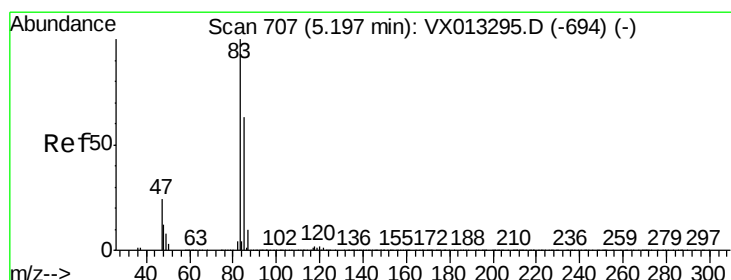
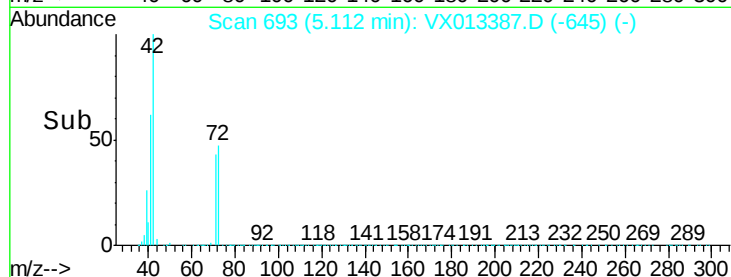
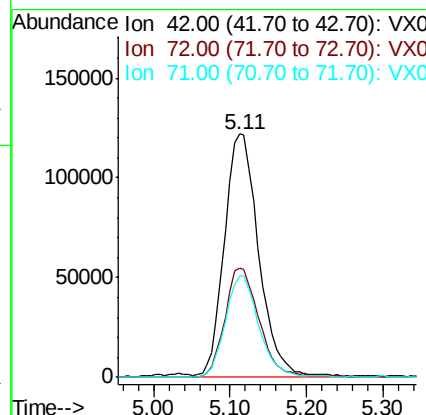
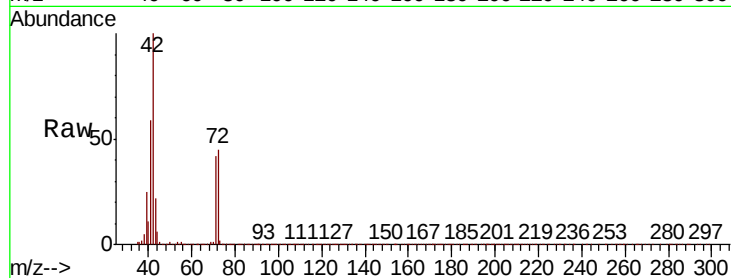
#29
Tetrahydrofuran
Concen: 101.336 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.8	53.8
71	40.7	33.4	50.0

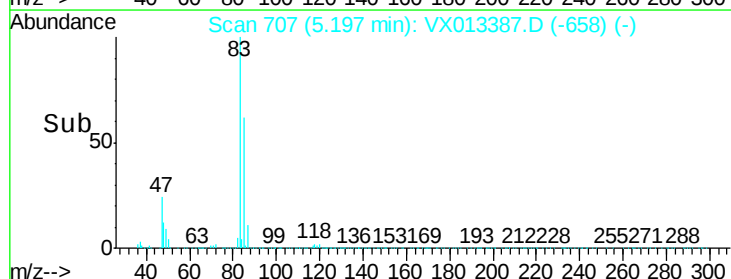
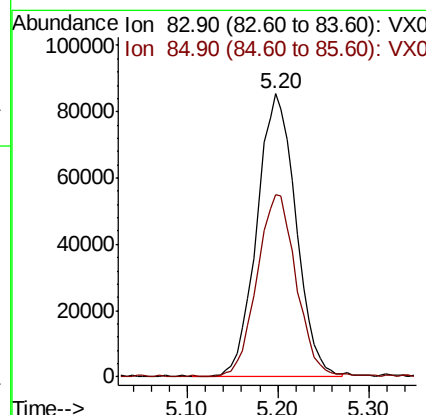
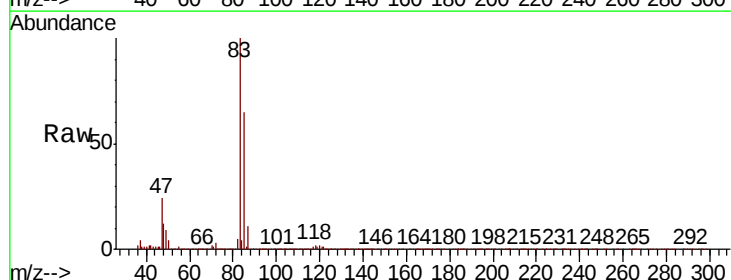
Manual Integrations
APPROVED

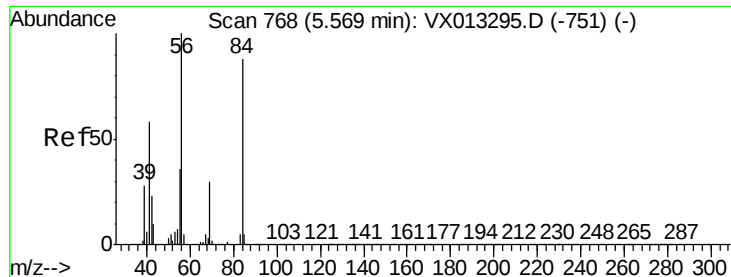
MMDadoda
11/13/2019 9:38:30 AM



#30
Chloroform
Concen: 20.552 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.2	75.4





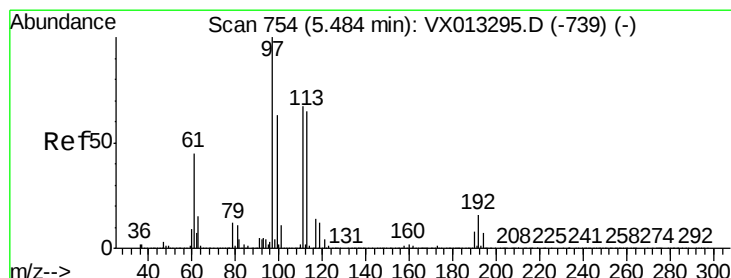
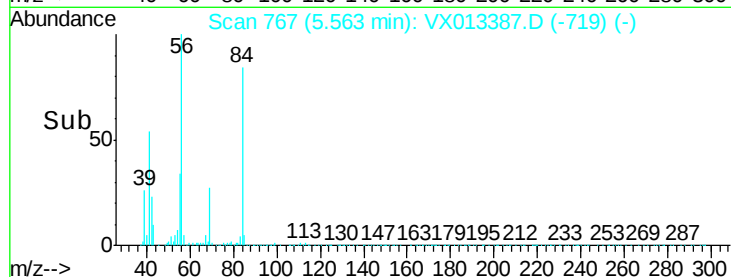
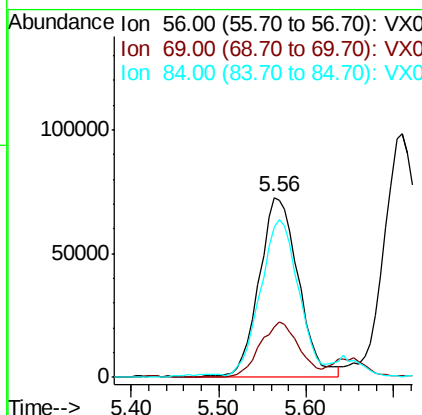
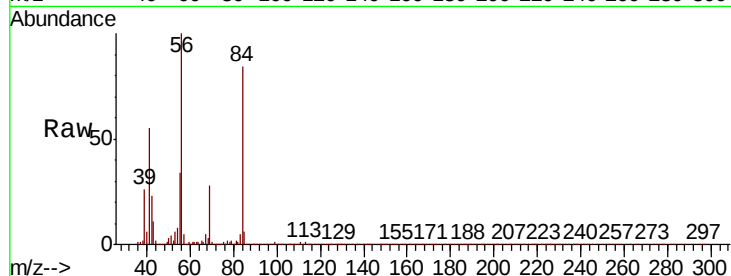
#31
Cvclohexane
Concen: 20.306 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.9	23.7	35.5
84	82.1	70.6	105.8

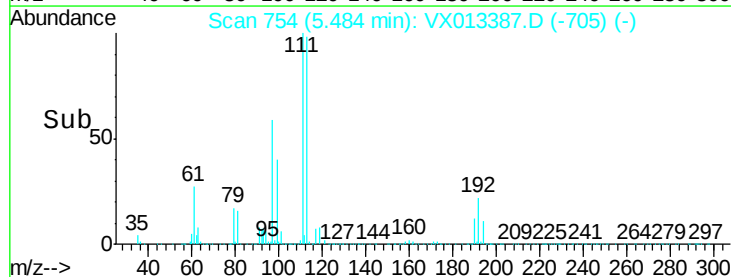
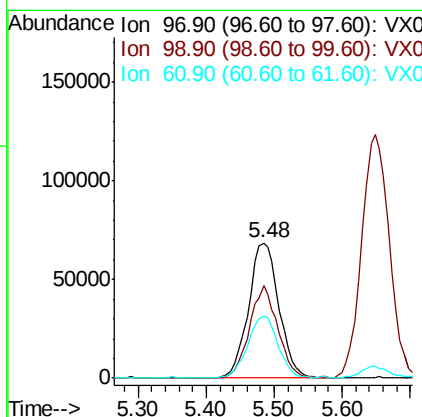
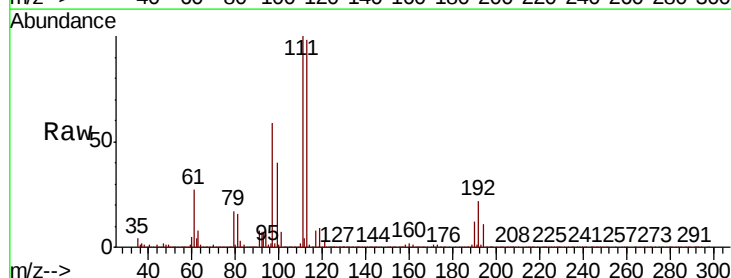
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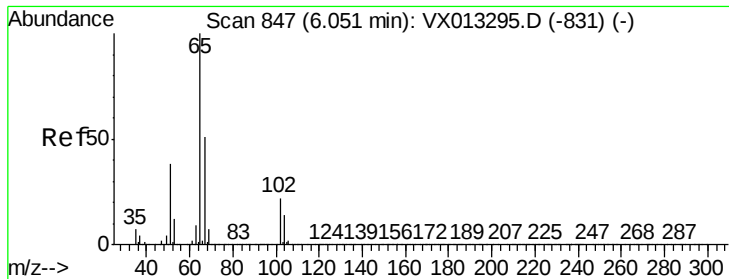
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.096 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.1	76.7
61	45.9	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 48.625 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 65 Resp: 399811

Ion Ratio Lower Upper

65 100

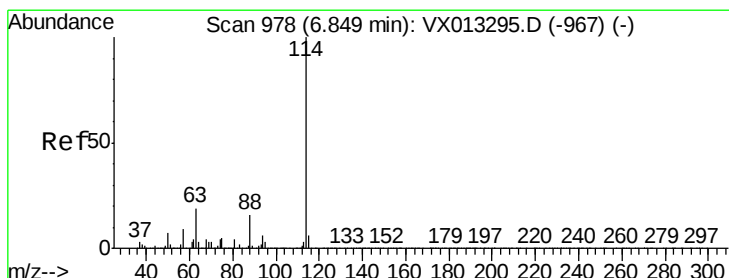
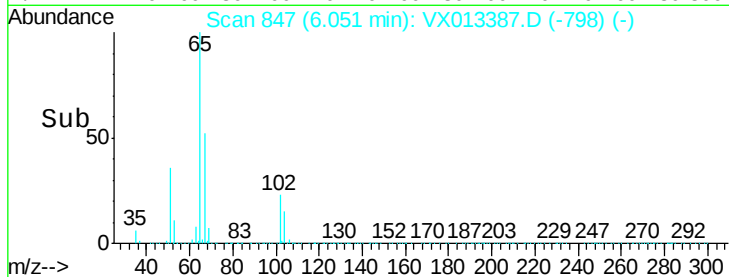
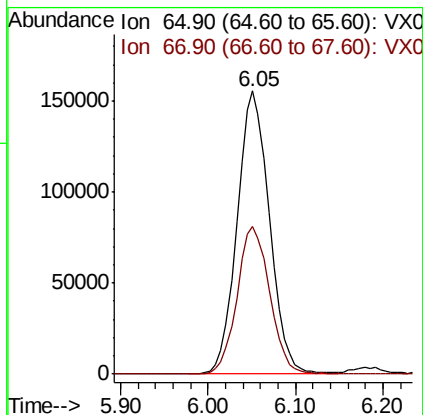
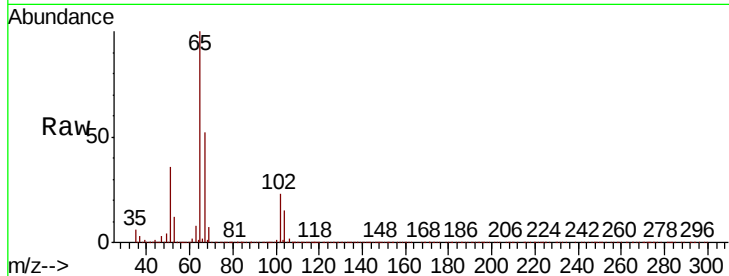
67 52.6 0.0 104.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

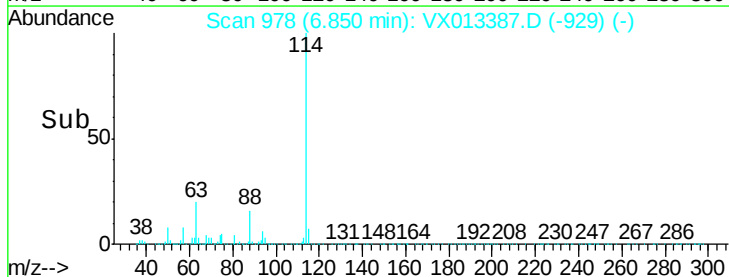
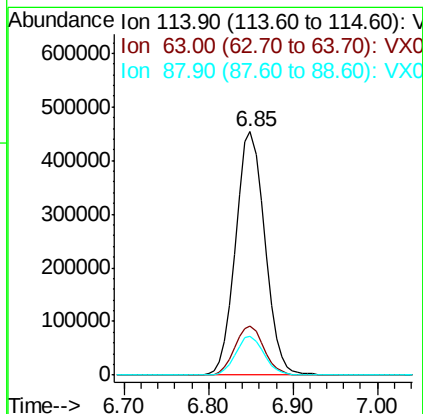
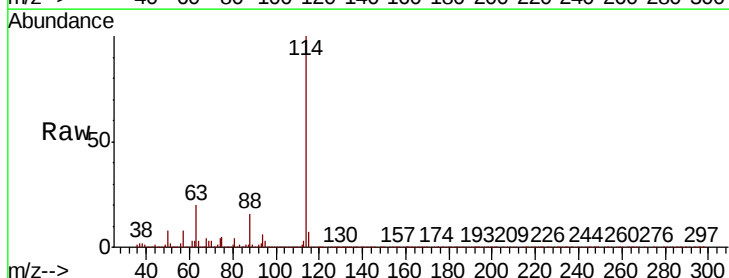
Tgt Ion: 114 Resp: 1064077

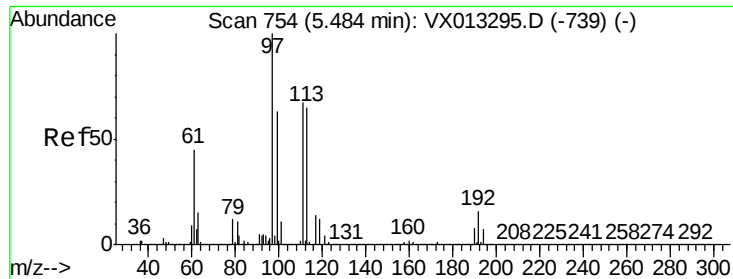
Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

88 15.6 0.0 32.2





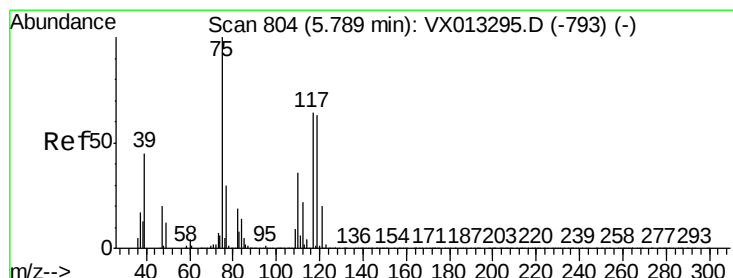
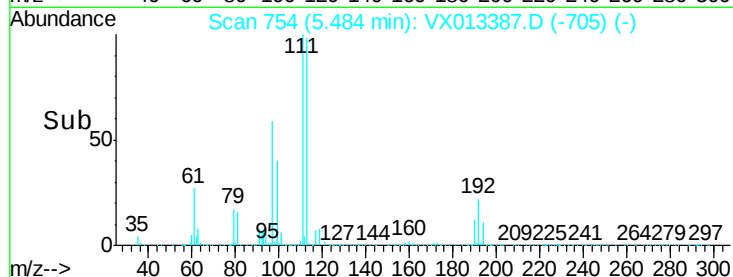
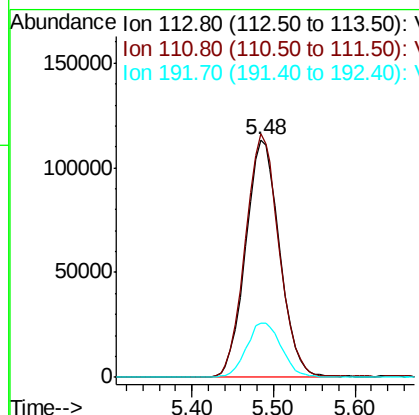
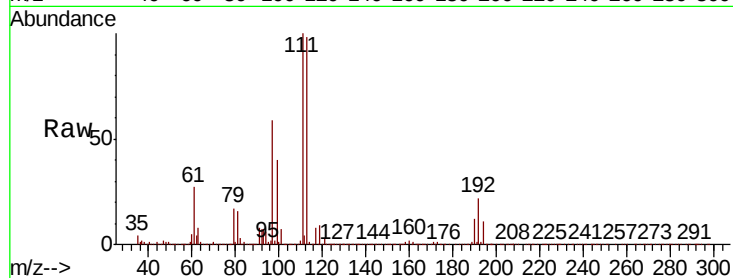
#35
Dibromofluoromethane
Concen: 49.043 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	327316		
111	101.9	81.9	122.9	
192	23.9	19.1	28.7	

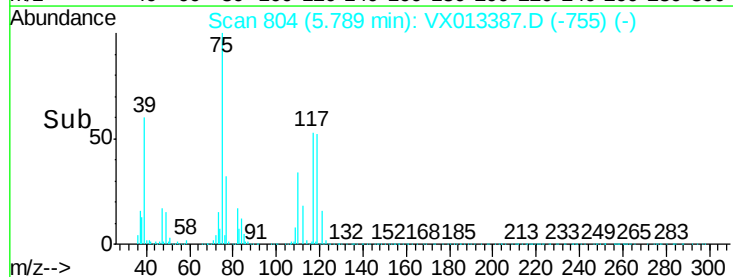
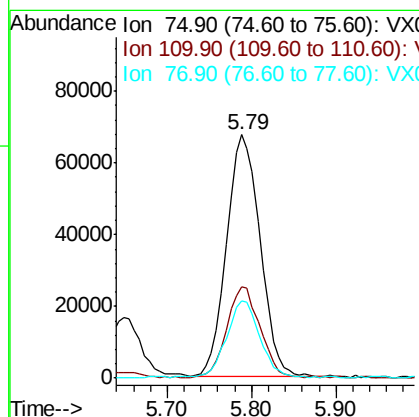
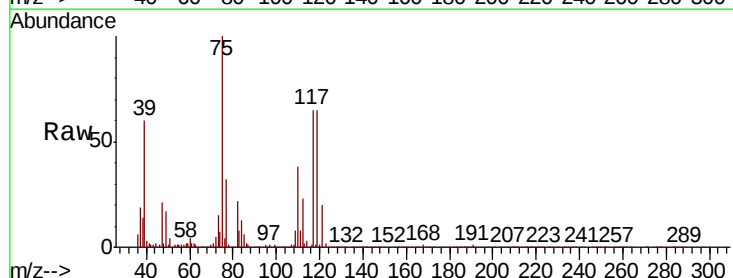
Manual Integrations
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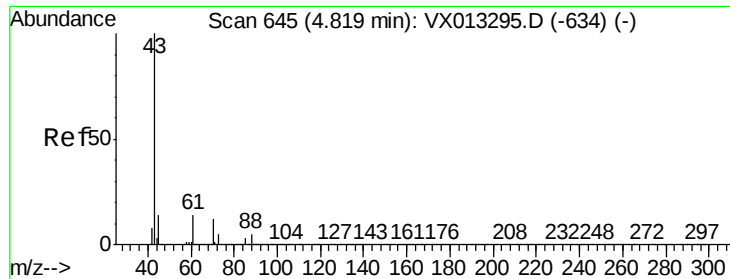
MMDadoda
11/13/2019 9:38:30 AM



#36
1,1-Dichloropropene
Concen: 20.115 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	183617		
110	37.1	18.1	54.1	
77	31.5	25.0	37.4	





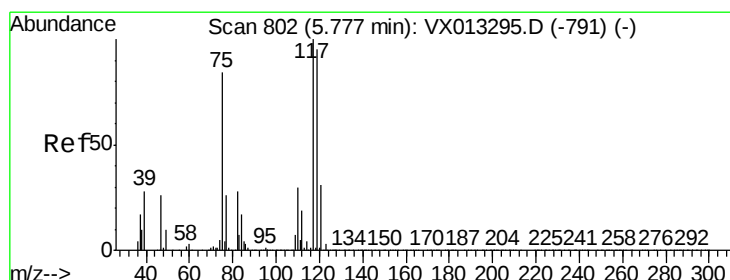
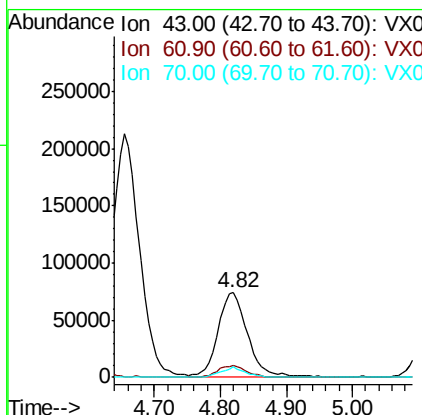
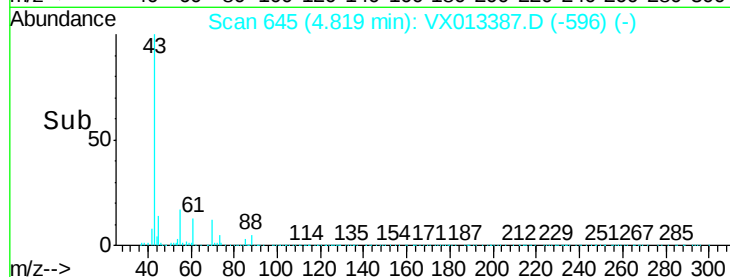
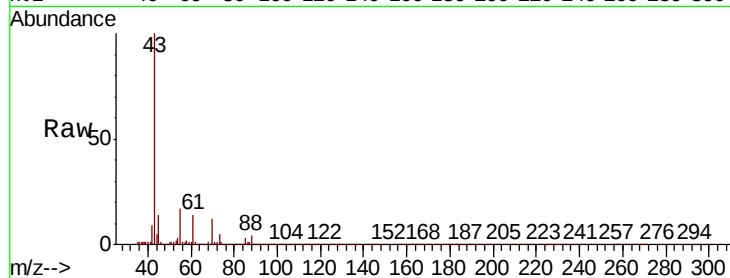
#37
Ethyl Acetate
Concen: 20.050 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.7	16.1
70	9.8	8.7	13.1

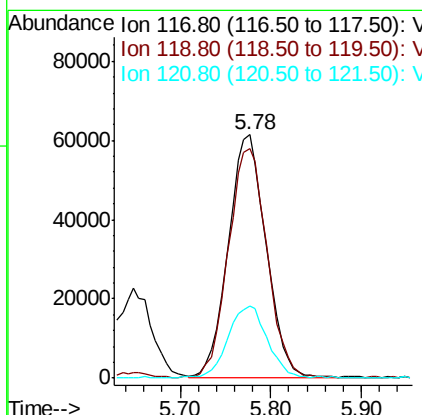
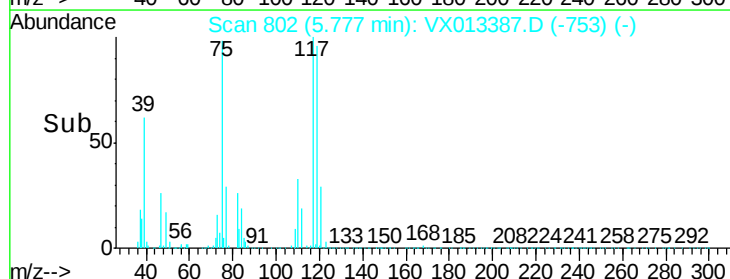
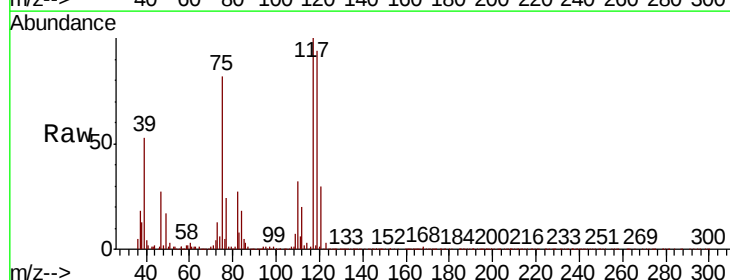
Manual Integrations
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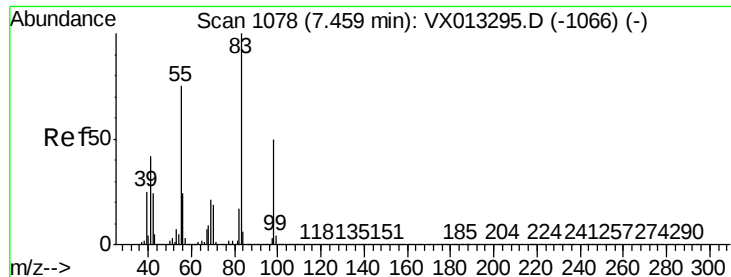
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#38
Carbon Tetrachloride
Concen: 19.805 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.1	114.1
121	29.5	24.6	37.0





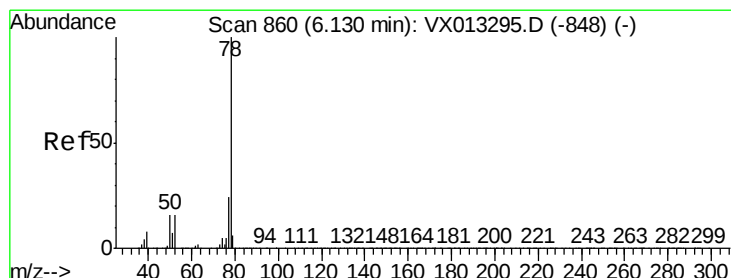
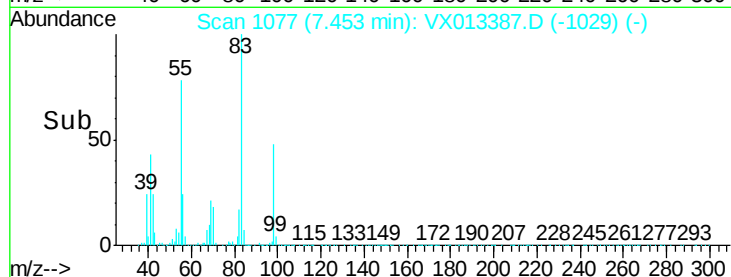
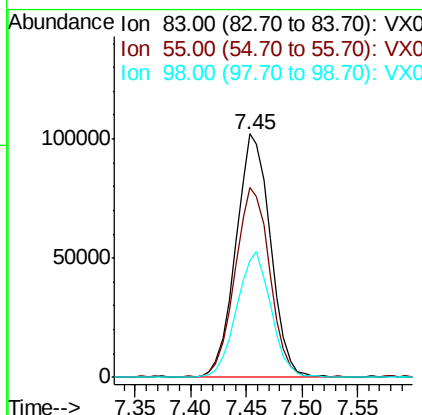
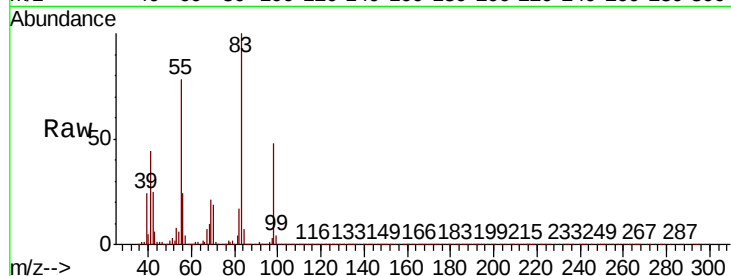
#39
Methvlcvclohexane
Concen: 19.225 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	60.3	90.5
98	48.2	40.3	60.5

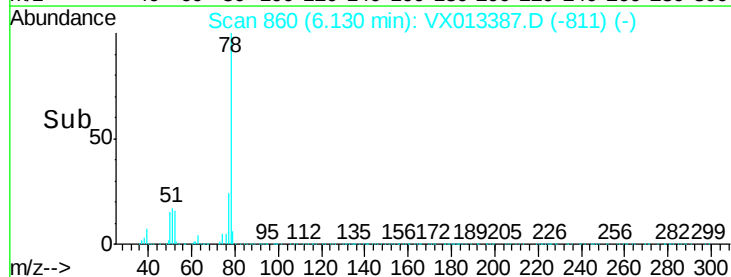
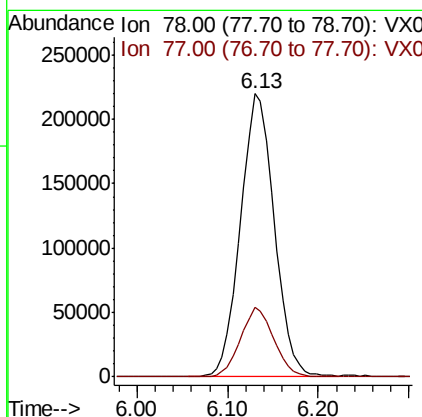
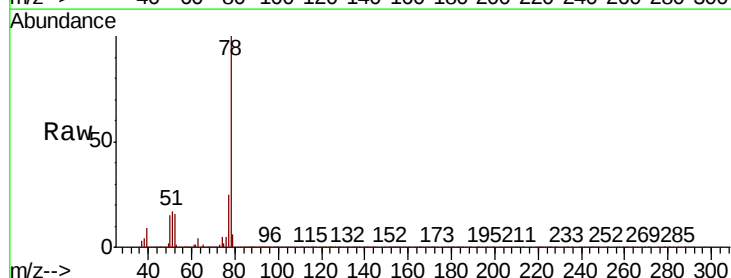
Manual Integrations
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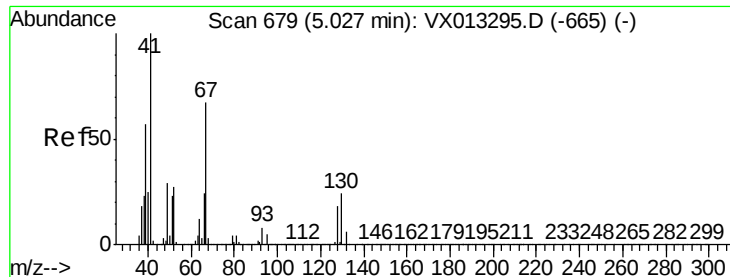
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11/13/2019 9:38:30 AM



#40
Benzene
Concen: 19.956 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.5	29.3





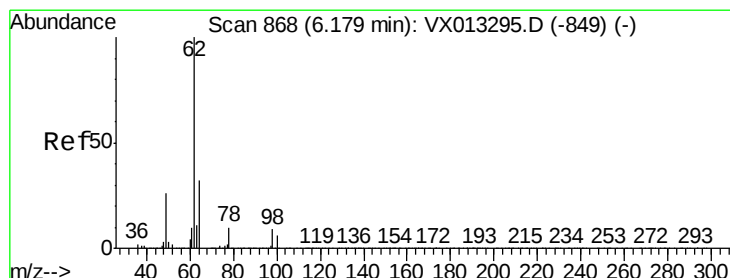
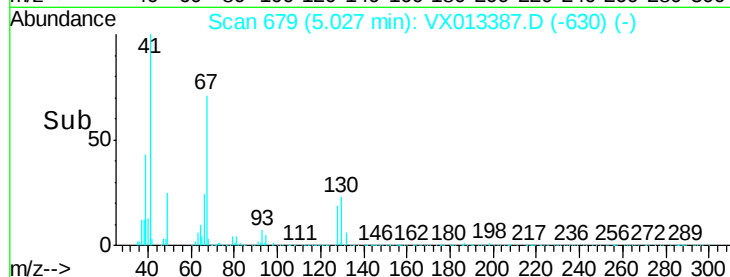
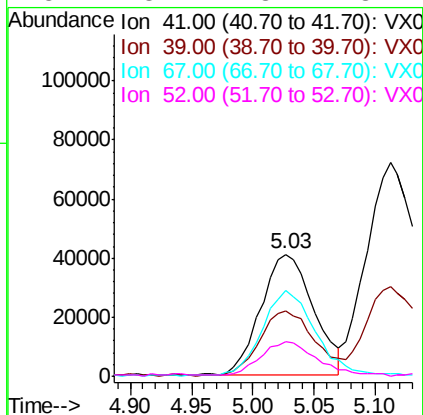
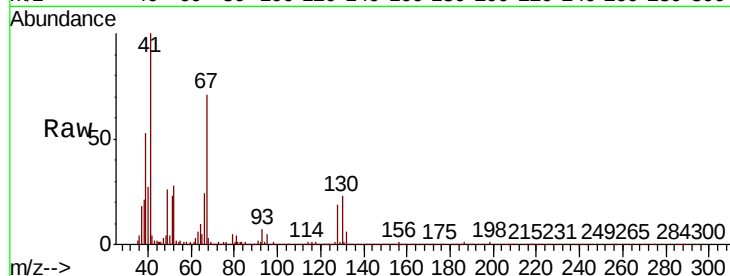
#41
Methacrylonitrile
Concen: 19.509 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		123339		
39	57.9	45.0	67.6		
67	72.5	55.4	83.2		
52	28.4	23.1	34.7		

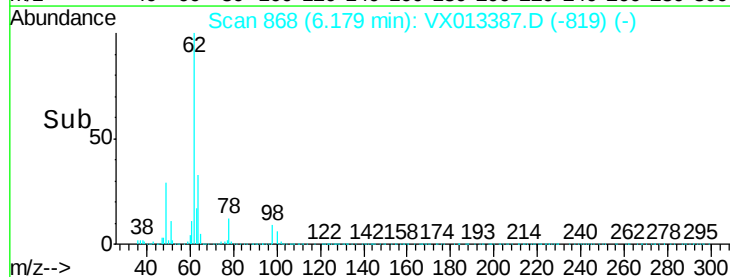
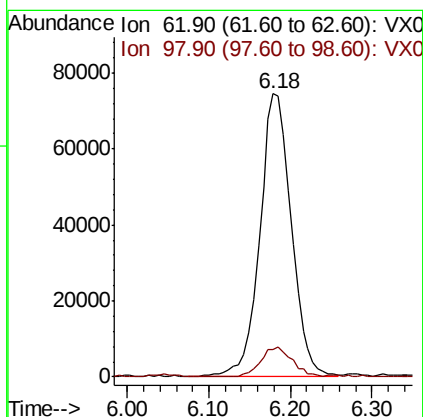
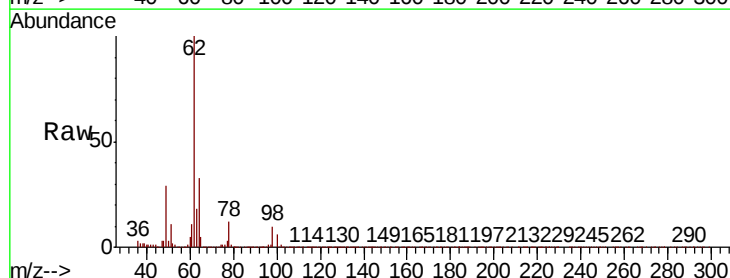
Manual Integrations
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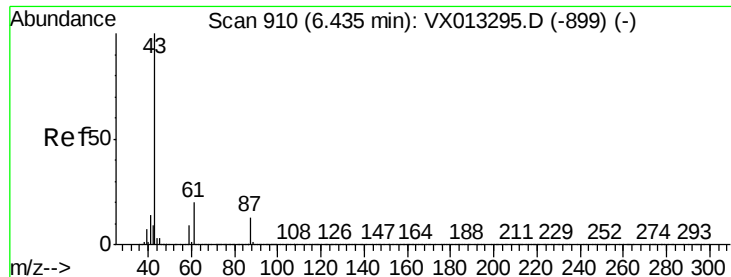
MMDadoda
11/13/2019 9:38:30 AM



#42
1,2-Dichloroethane
Concen: 19.592 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		200950		
98	10.0	0.0	19.4		





#43

Isopropyl Acetate

Concen: 19.962 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

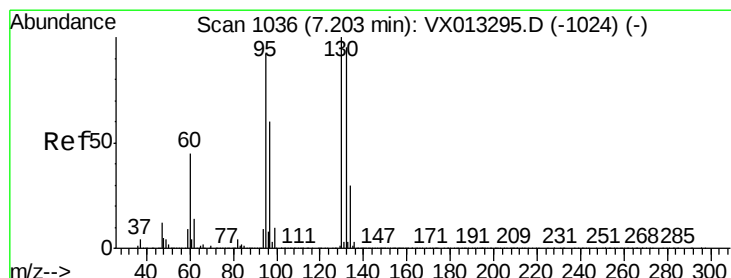
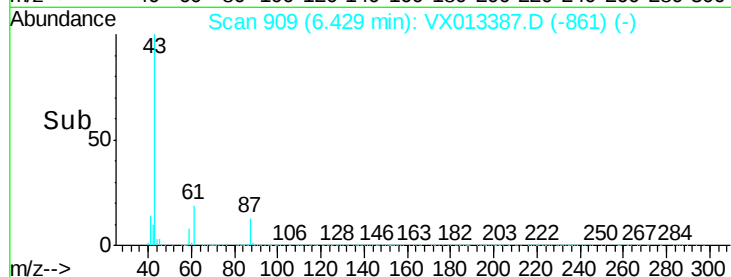
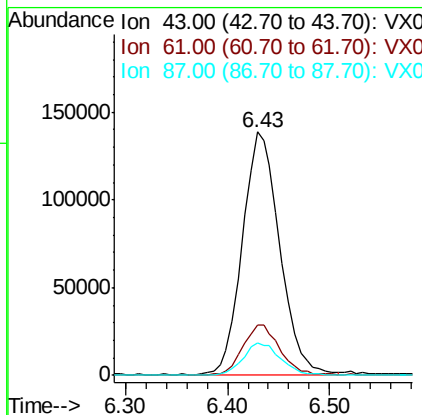
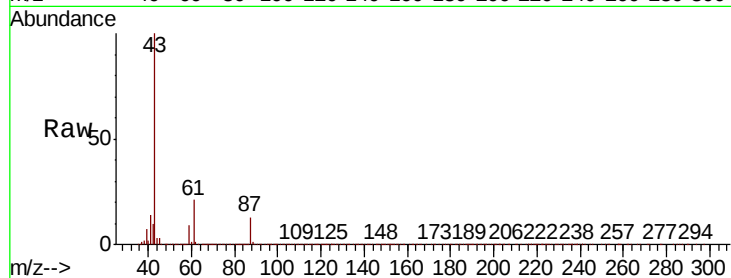
ClientSampleId :

VX1112WBSD02

Tot Ion:	43	Resp:	350621
Ion Ratio	Lower	Upper	
43	100		
61	20.4	15.8	23.8
87	13.0	10.4	15.6

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#44

Trichloroethene

Concen: 19.360 ug/l

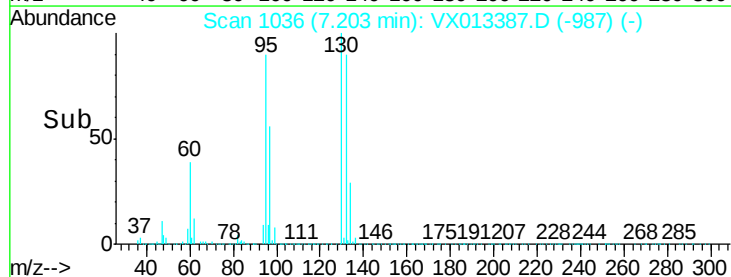
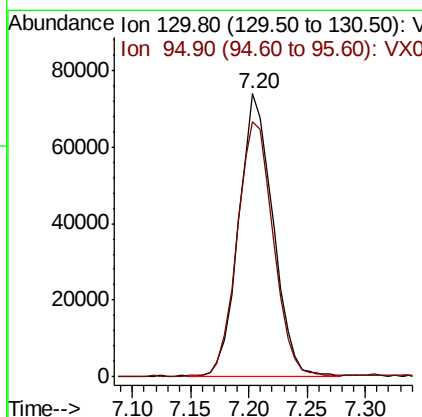
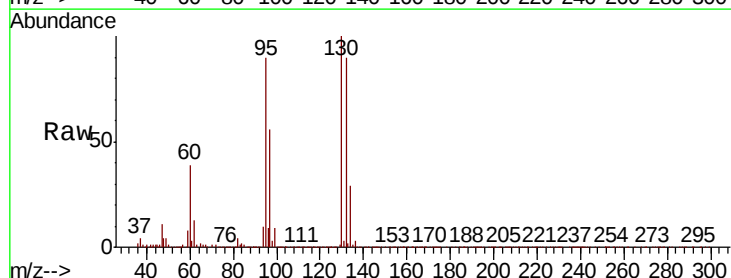
RT: 7.20 min Scan# 1036

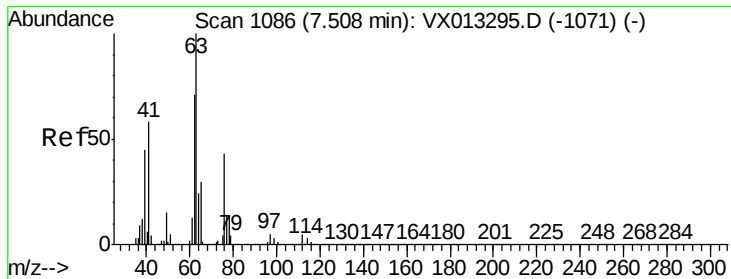
Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Tgt Ion:	130	Resp:	151537
Ion Ratio	Lower	Upper	
130	100		
95	89.6	0.0	184.8





#45

1,2-Dichloropropane

Concen: 20.479 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 63 Resp: 148374

Ion Ratio Lower Upper

63 100

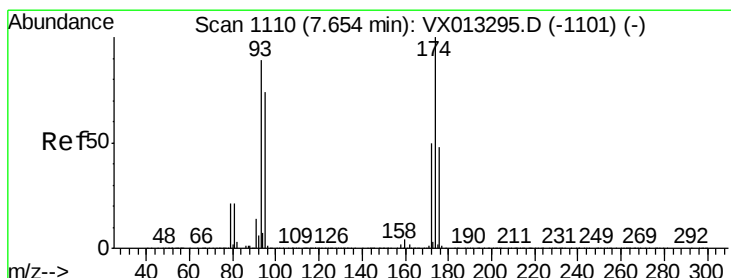
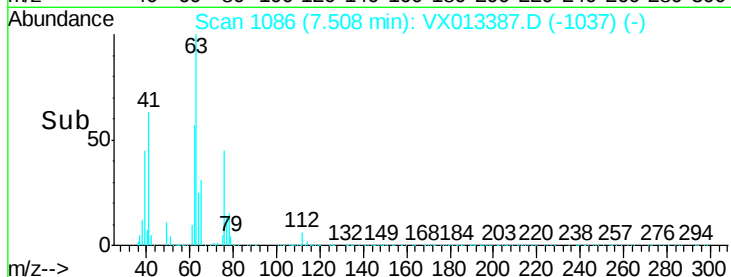
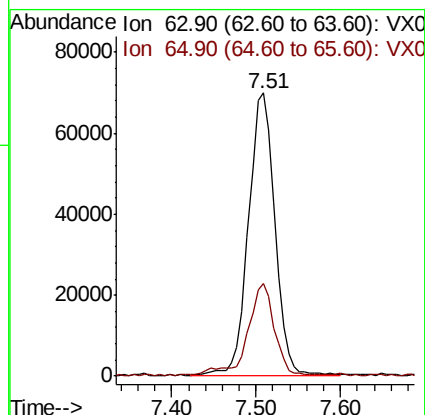
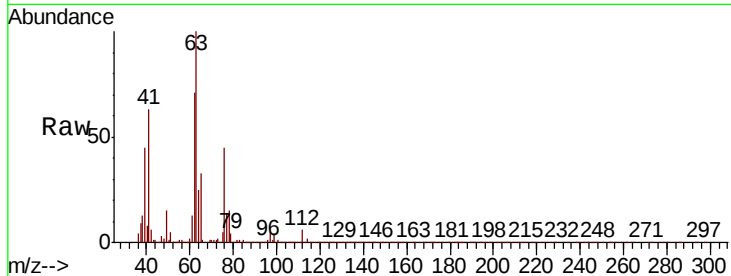
65 32.3 24.3 36.5

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#46

Dibromomethane

Concen: 19.645 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

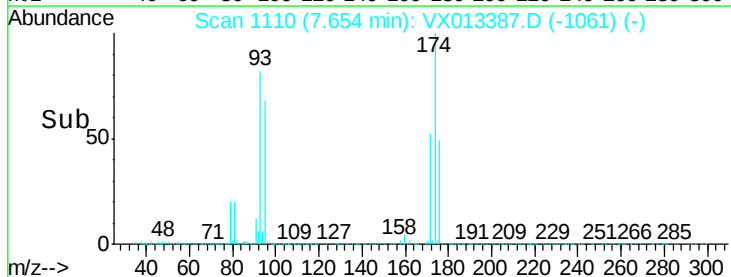
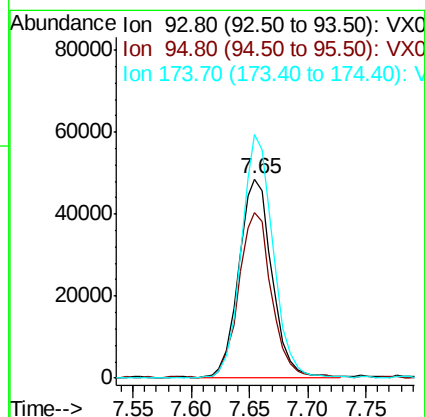
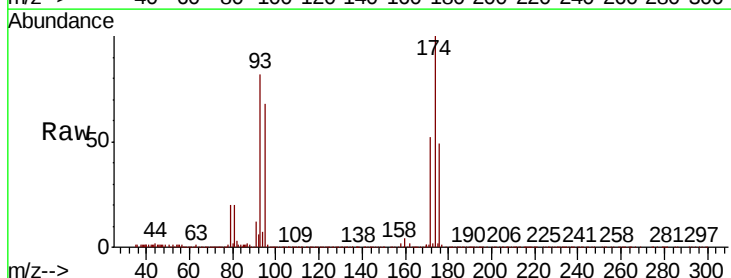
Tgt Ion: 93 Resp: 97178

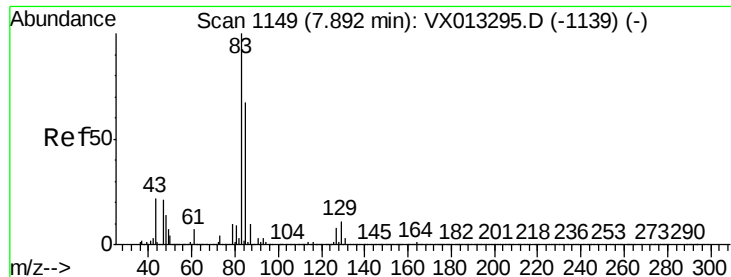
Ion Ratio Lower Upper

93 100

95 81.2 65.8 98.6

174 116.0 90.4 135.6





#47

Bromodichloromethane

Concen: 20.304 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

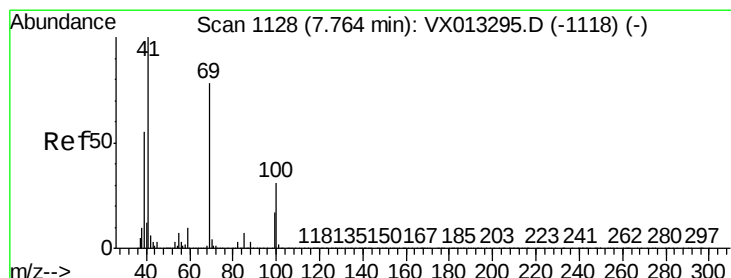
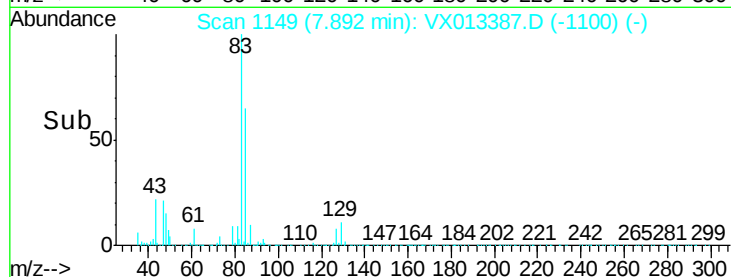
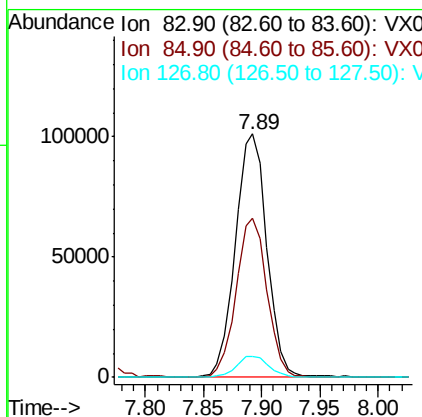
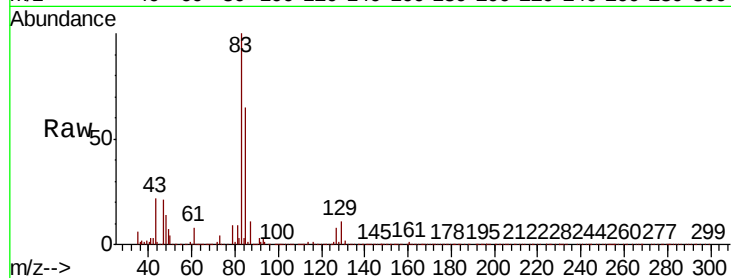
ClientSampleId :

VX1112WBSD02

Tot Ion:	83	Resp:	189402
Ion Ratio	Lower	Upper	
83	100		
85	64.9	53.7	80.5
127	8.4	6.4	9.6

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#48

Methyl methacrylate

Concen: 20.068 ug/l

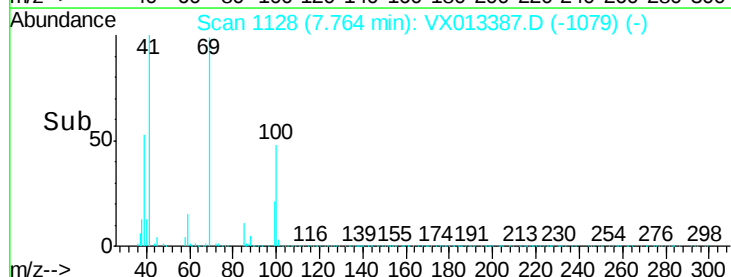
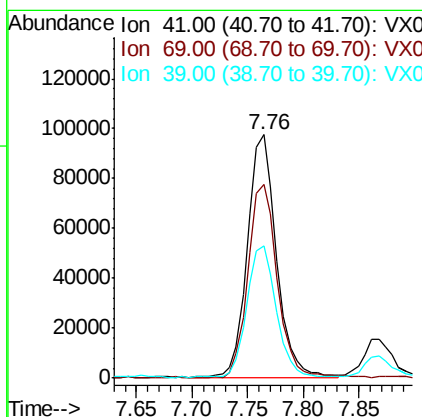
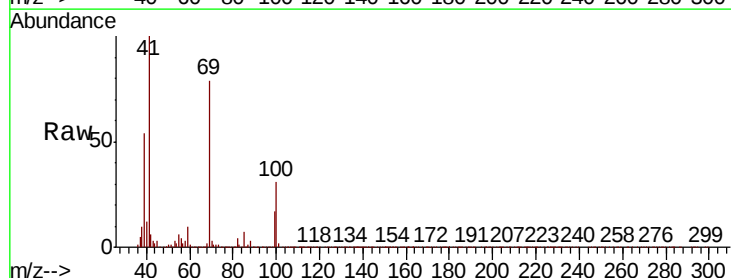
RT: 7.76 min Scan# 1128

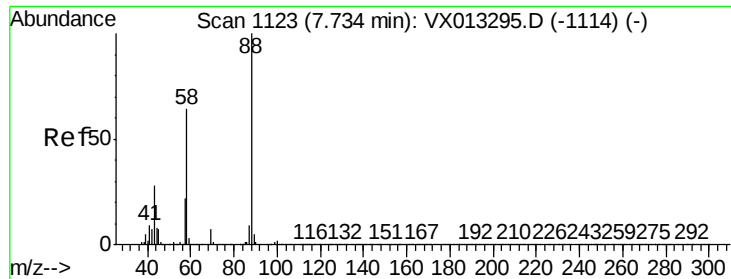
Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Tgt Ion:	41	Resp:	175952
Ion Ratio	Lower	Upper	
41	100		
69	80.7	63.0	94.6
39	55.2	45.9	68.9





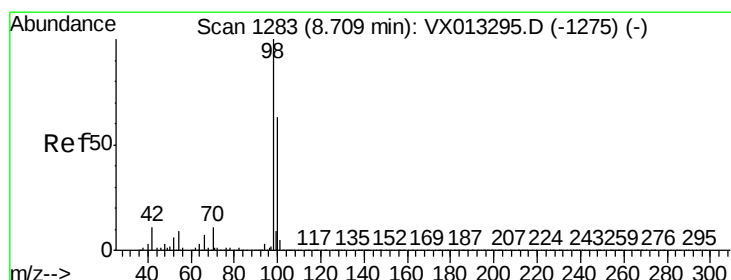
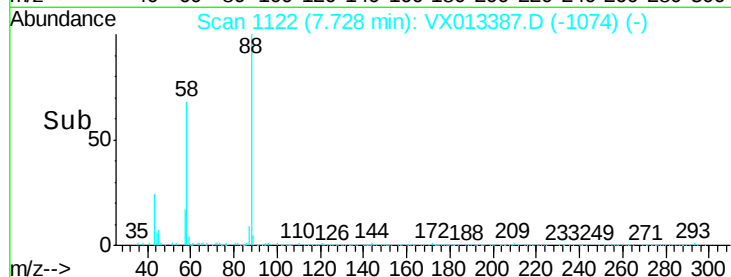
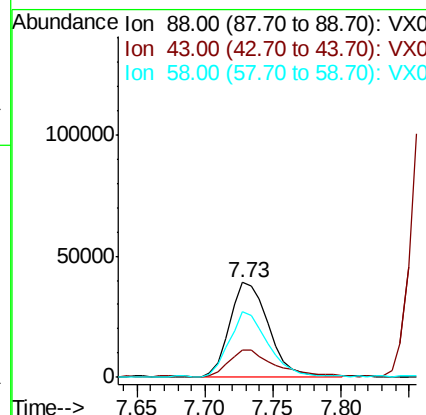
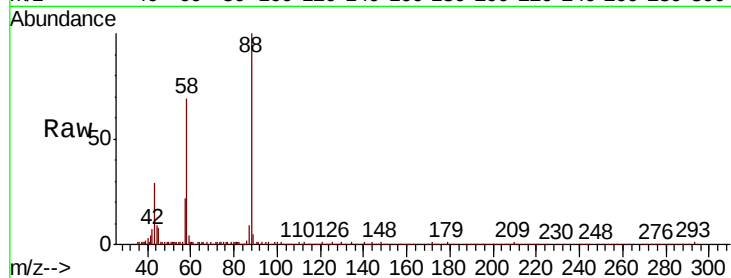
#49
1,4-Dioxane
Concen: 383.480 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.6	39.8
58	68.6	55.0	82.6

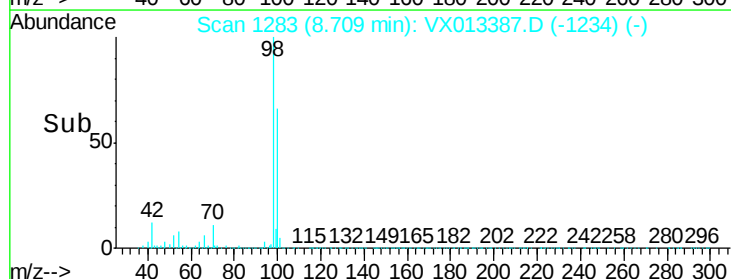
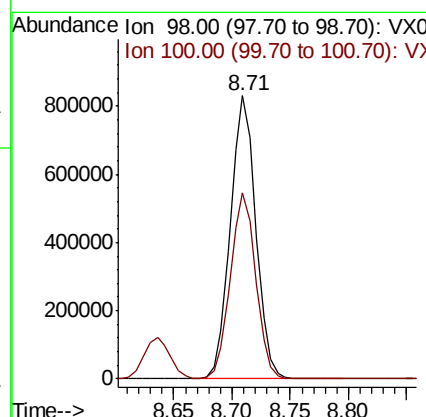
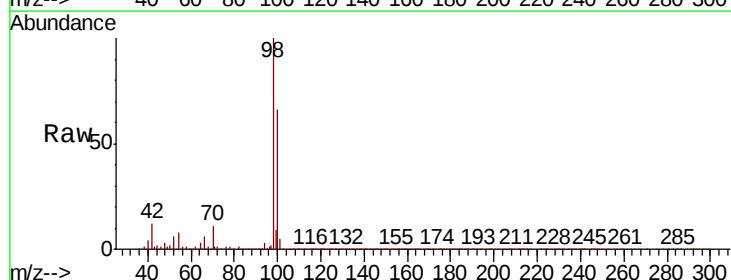
Manual Integrations
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#50
Toluene-d8
Concen: 50.036 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.2





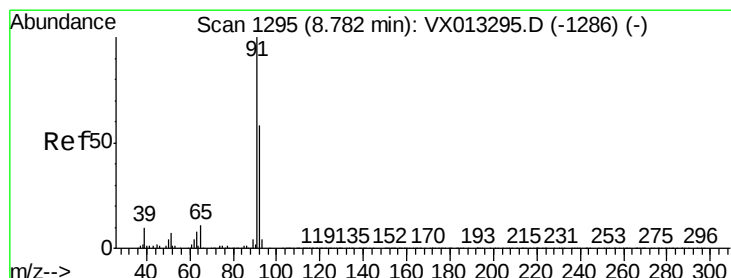
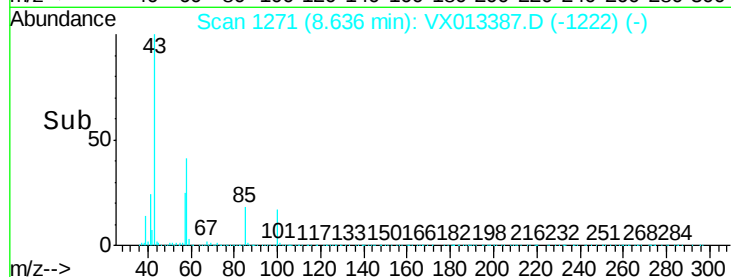
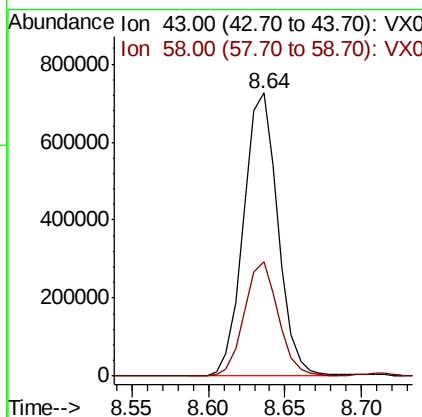
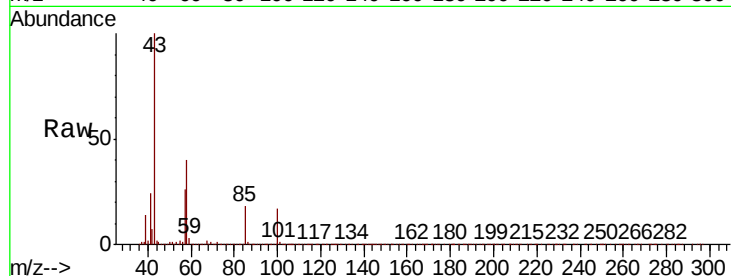
#51
4-Methyl-2-Pentanone
Concen: 98.058 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion: 43 Resp: 1130010
Ion Ratio Lower Upper
43 100
58 39.8 31.4 47.0

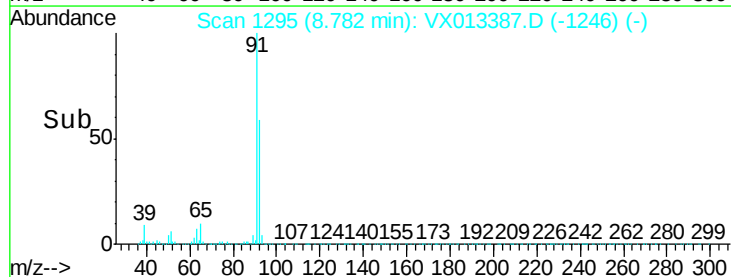
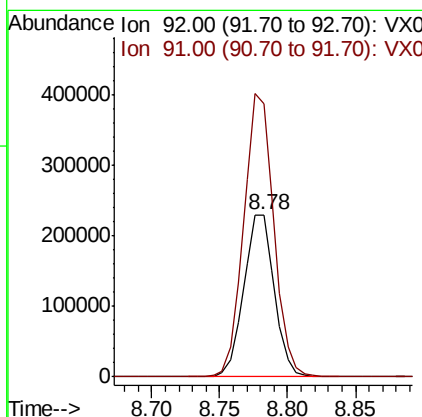
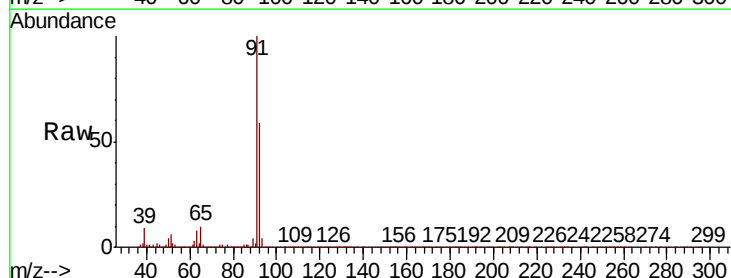
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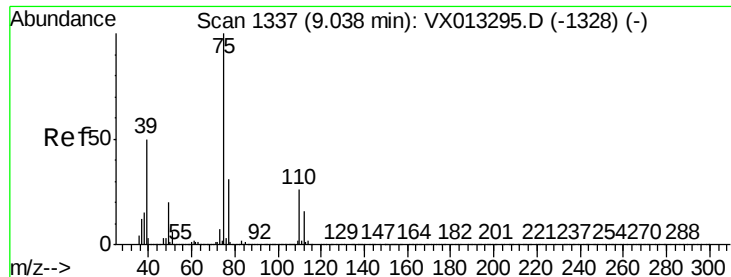
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#52
Toluene
Concen: 20.417 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion: 92 Resp: 359832
Ion Ratio Lower Upper
92 100
91 172.1 138.0 207.0





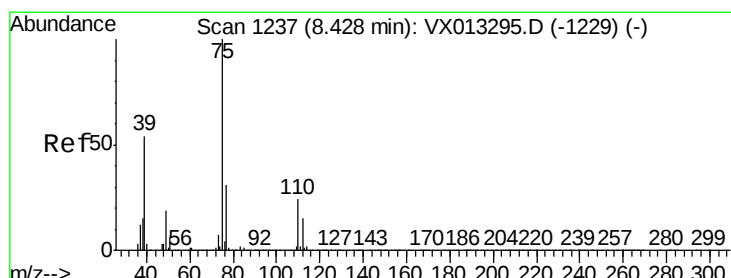
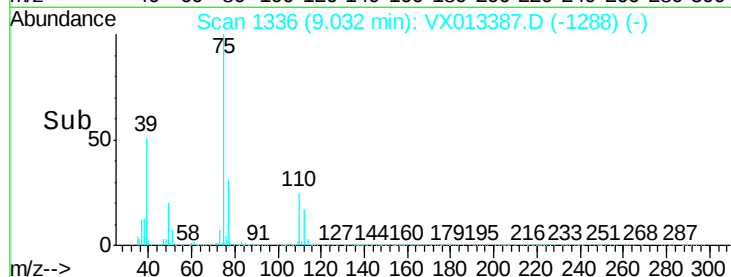
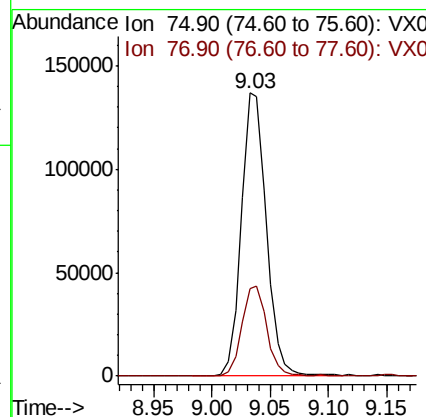
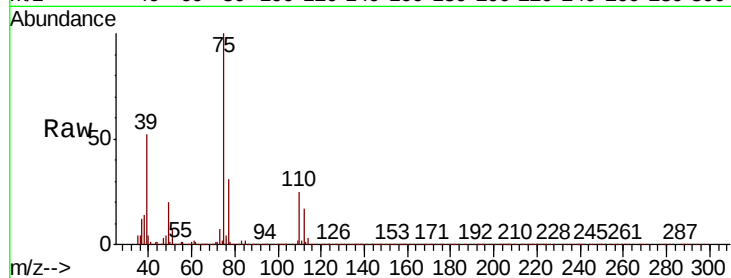
#53
t-1,3-Dichloropropene
Concen: 20.052 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.4

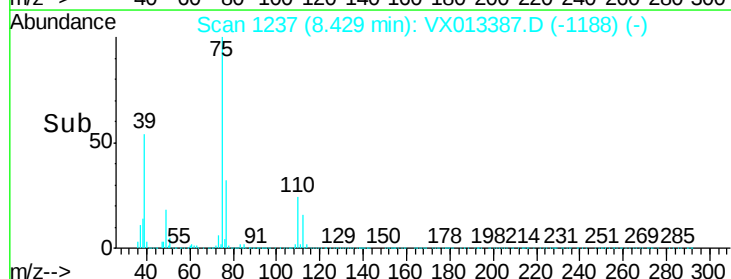
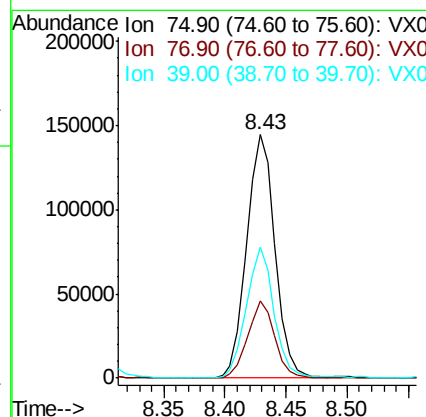
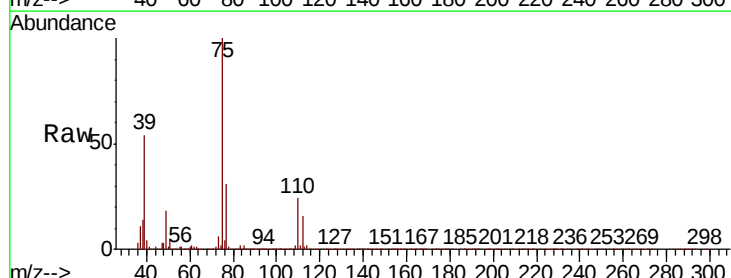
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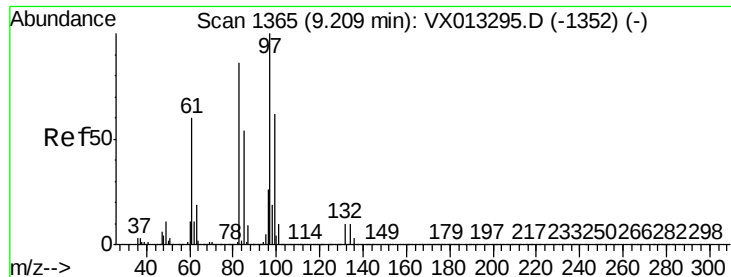
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#54
cis-1,3-Dichloropropene
Concen: 20.358 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.7	37.1
39	53.4	43.0	64.6





#55

1,1,2-Trichloroethane

Concen: 20.553 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

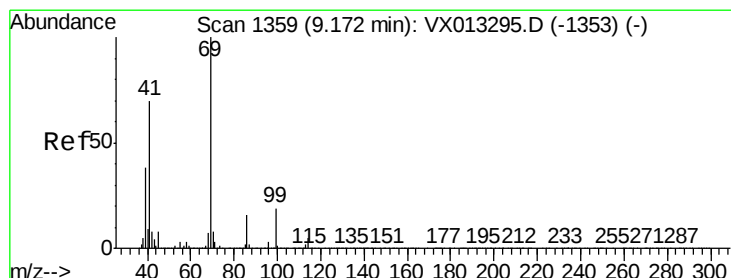
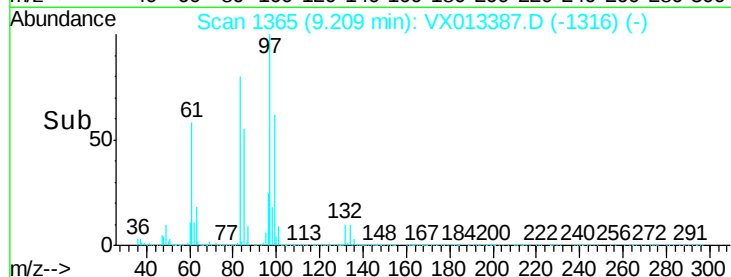
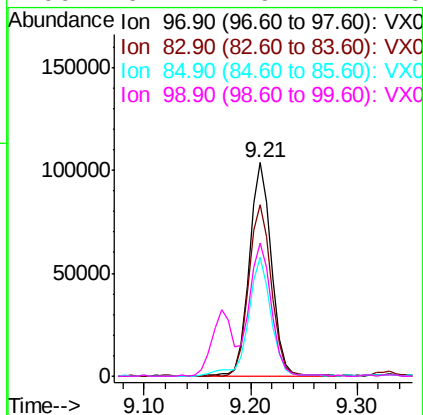
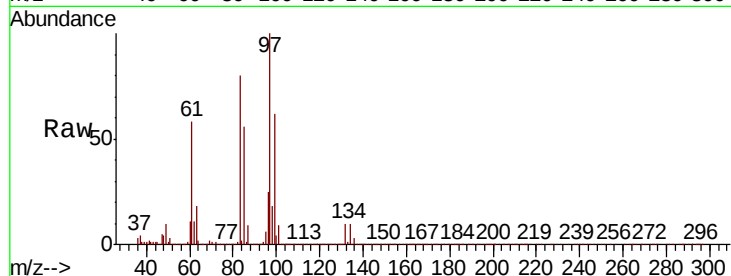
ClientSampleId :

VX1112WBSD02

Tot Ion:	97	Resp:	150139
Ion	Ratio	Lower	Upper
97	100		
83	80.2	68.6	103.0
85	55.5	43.1	64.7
99	62.2	49.4	74.0

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#56

Ethyl methacrylate

Concen: 19.890 ug/l

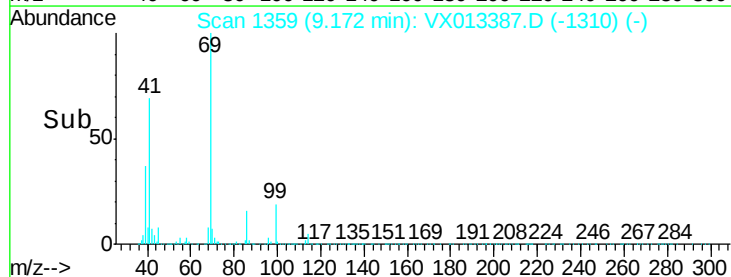
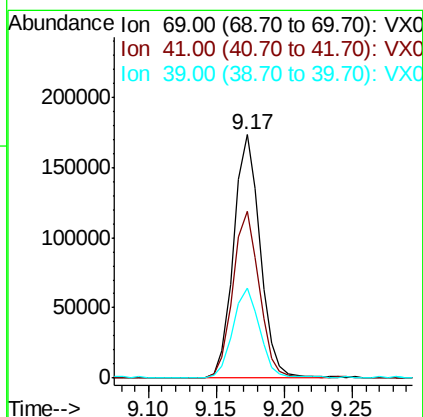
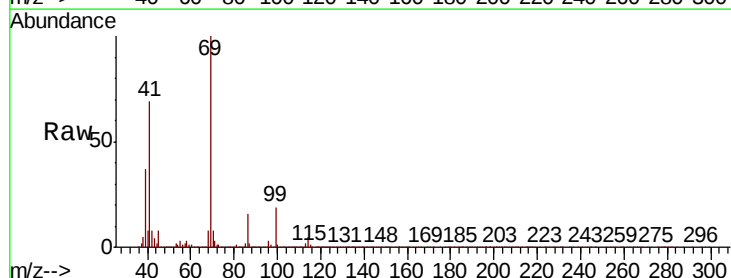
RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Tgt Ion:	69	Resp:	235931
Ion	Ratio	Lower	Upper
69	100		
41	67.7	56.2	84.2
39	36.9	31.1	46.7





#57

1,3-Dichloropropane

Concen: 20.133 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 76 Resp: 249651

Ion Ratio Lower Upper

76 100

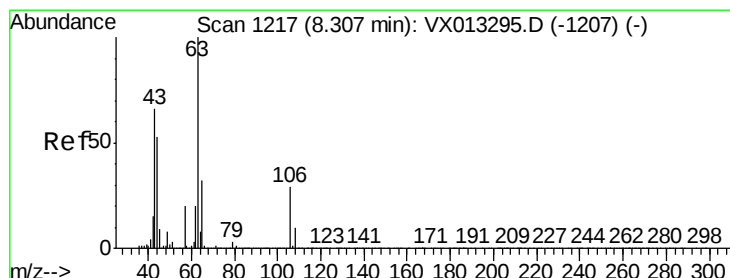
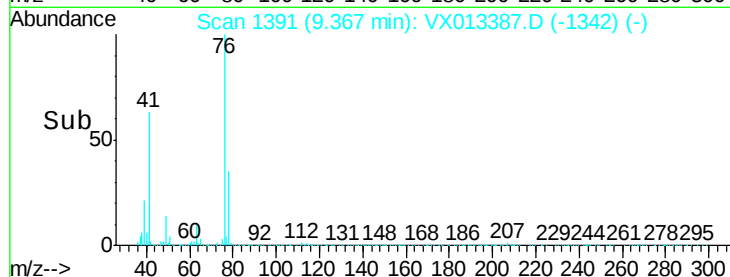
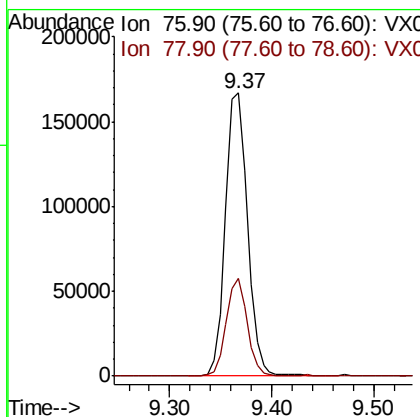
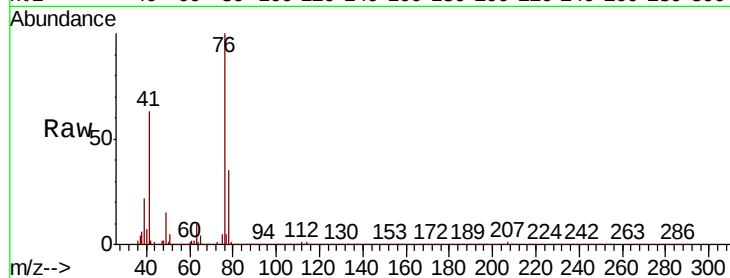
78 32.5 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 100.930 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013387.D

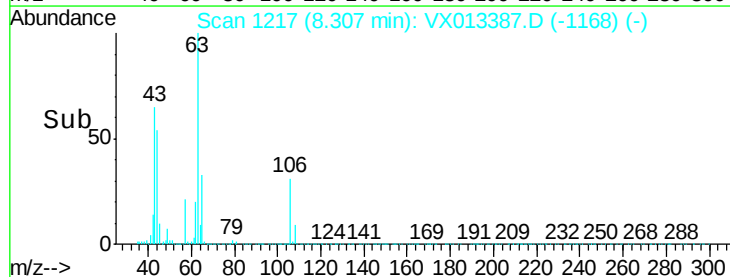
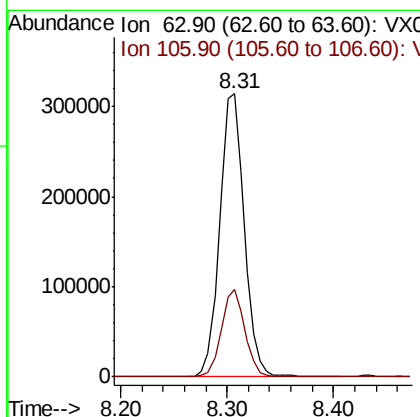
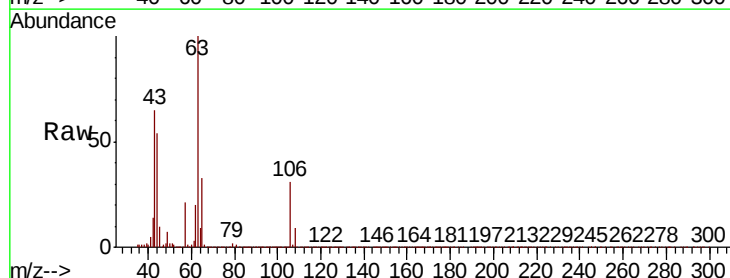
Acq: 12 Nov 2019 16:05

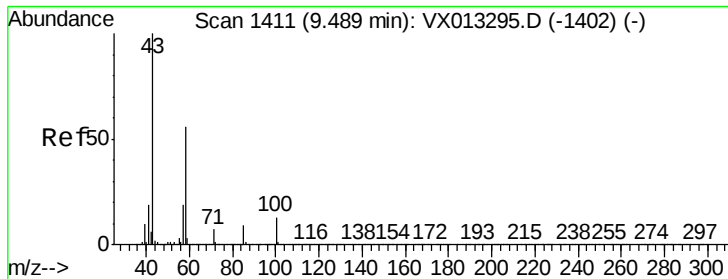
Tgt Ion: 63 Resp: 504114

Ion Ratio Lower Upper

63 100

106 29.6 23.4 35.2





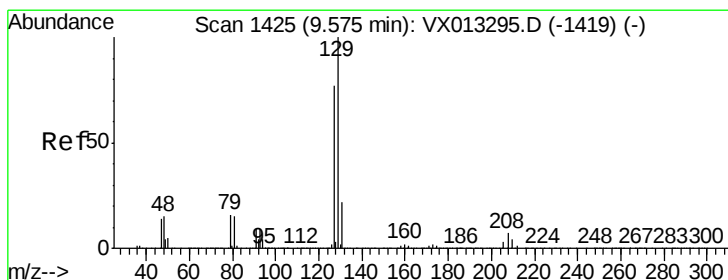
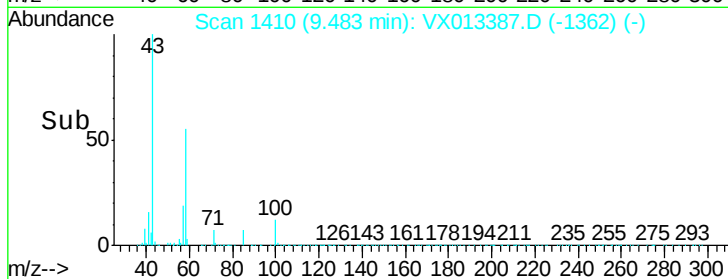
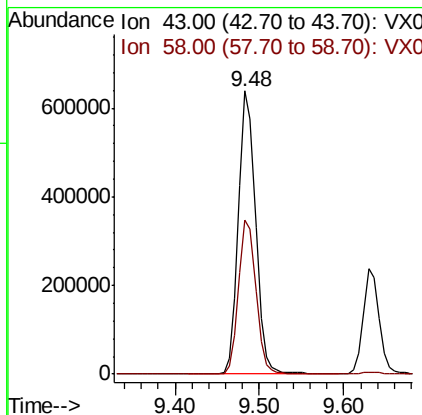
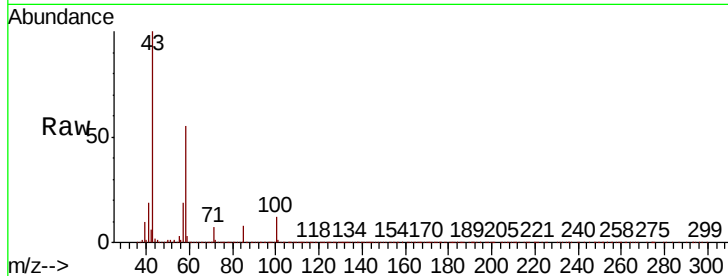
#59
2-Hexanone
Concen: 98.591 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion: 43 Resp: 877993
Ion Ratio Lower Upper
43 100
58 55.1 27.3 81.8

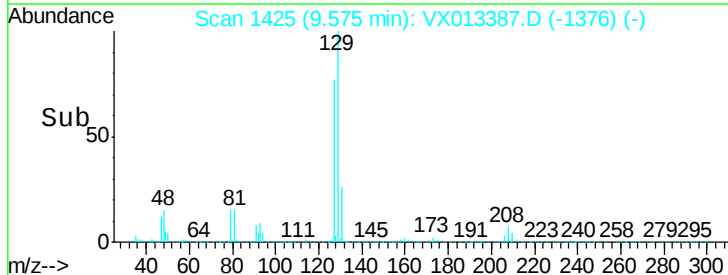
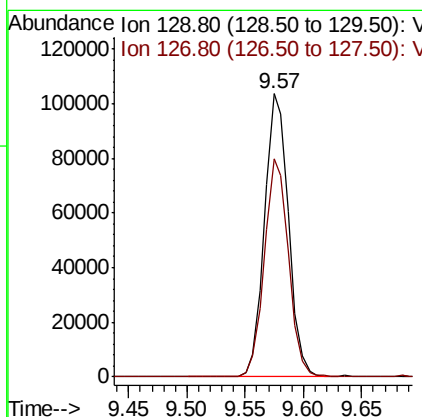
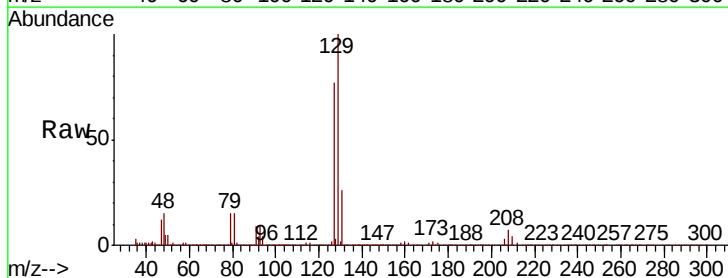
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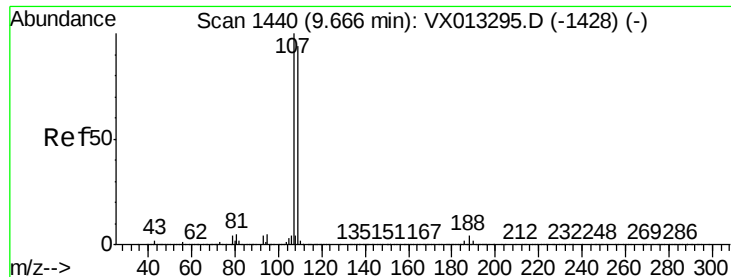
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#60
Dibromochloromethane
Concen: 20.017 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion: 129 Resp: 149542
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.965 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 107 Resp: 154865

Ion Ratio Lower Upper

107 100

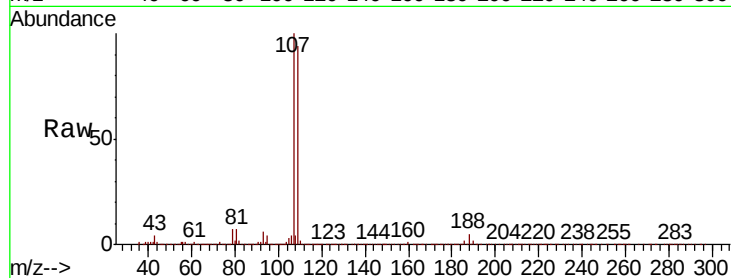
109 95.3 75.1 112.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

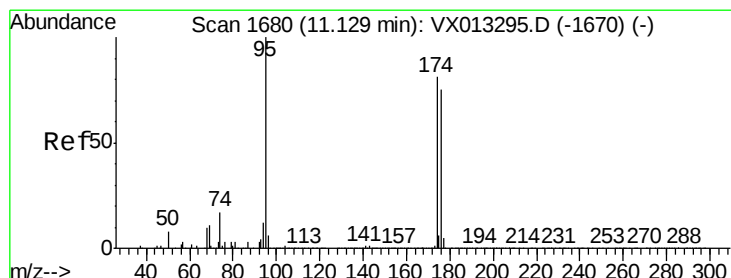
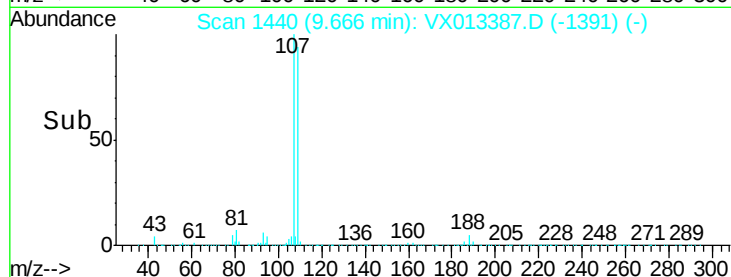
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.970 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

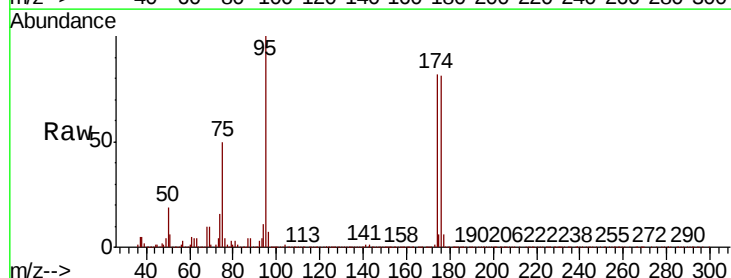
Tgt Ion: 95 Resp: 444676

Ion Ratio Lower Upper

95 100

174 88.9 0.0 179.8

176 86.4 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

400000

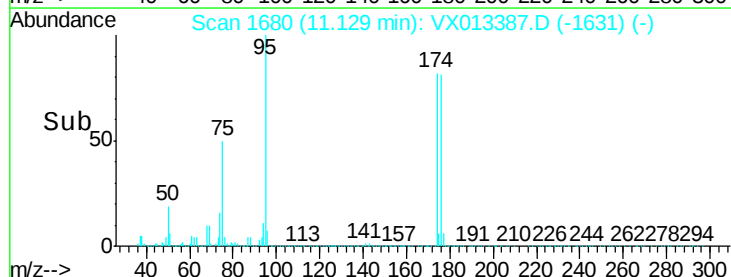
300000

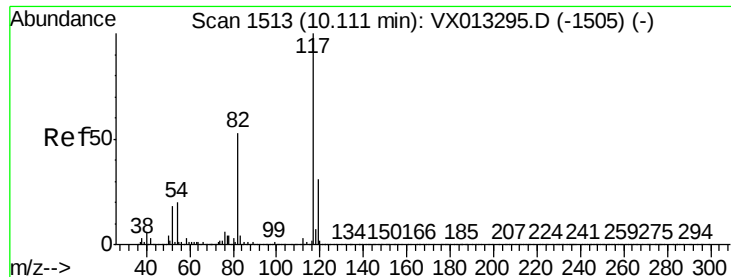
200000

100000

0

Time-->





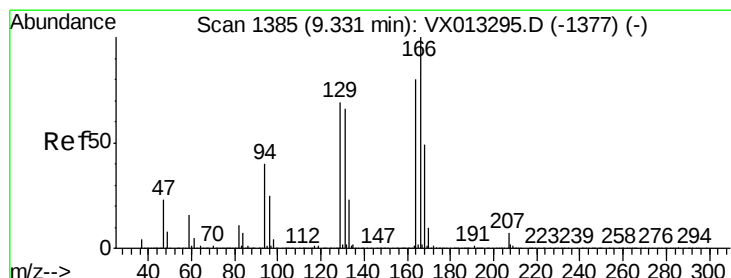
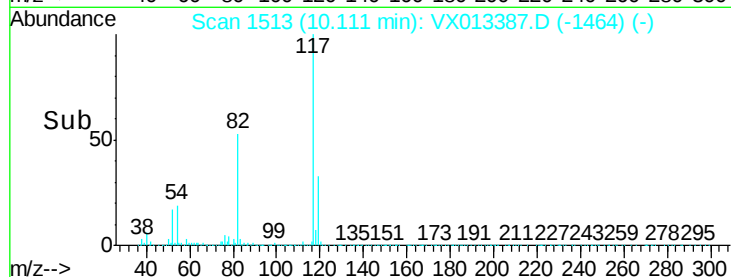
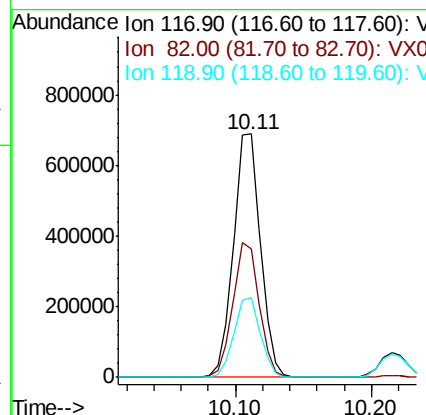
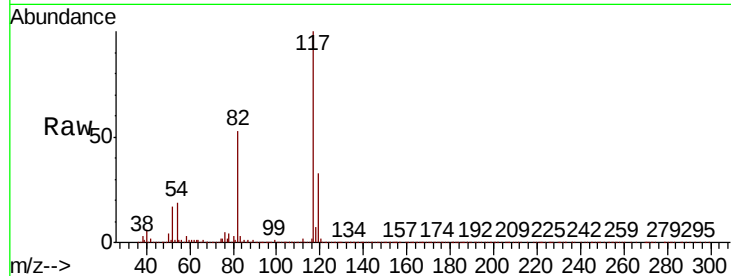
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	951888		
82	52.6		42.6	64.0
119	32.8		24.8	37.2

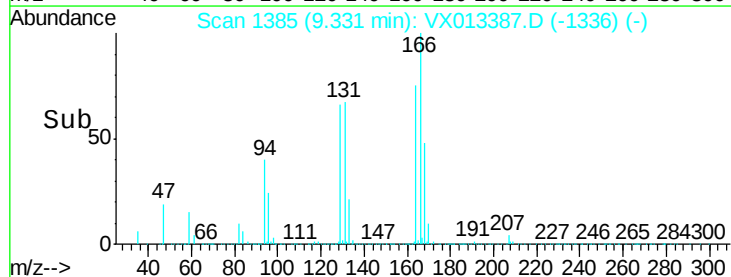
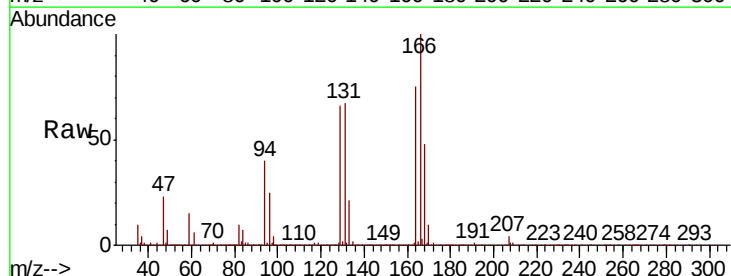
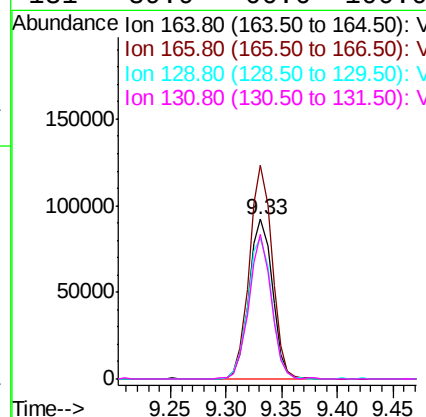
Manual Integrations
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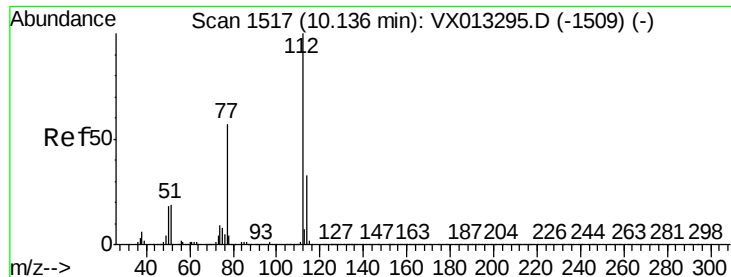
MMDadoda
11/13/2019 9:38:30 AM



#64
Tetrachloroethene
Concen: 19.958 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	136002		
166	133.5		100.4	150.6
129	87.8		69.4	104.2
131	89.9		66.6	100.0





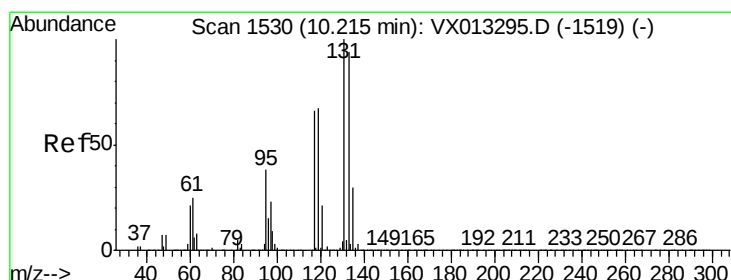
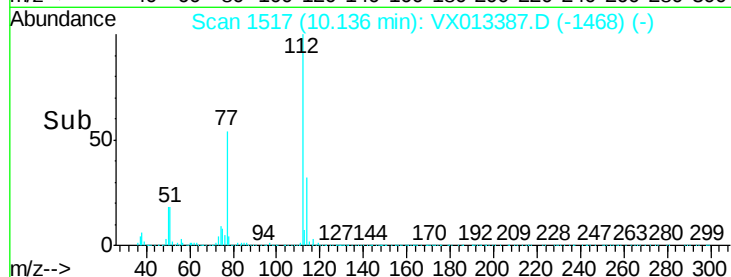
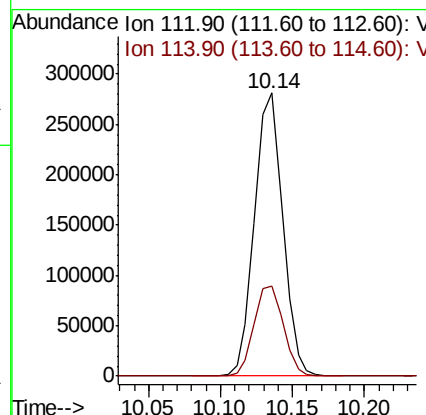
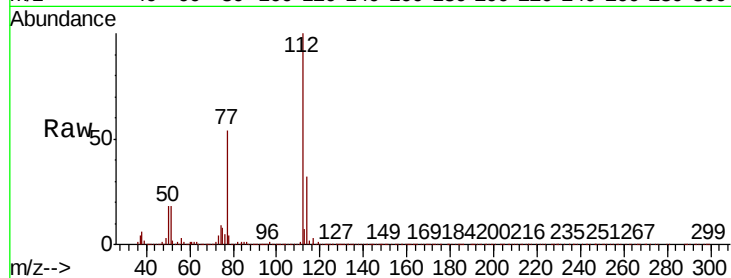
#65
Chlorobenzene
Concen: 19.825 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.4	39.6

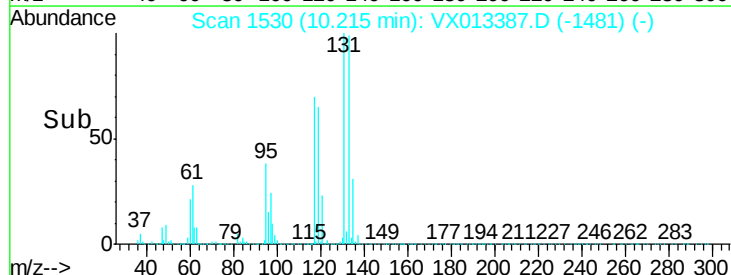
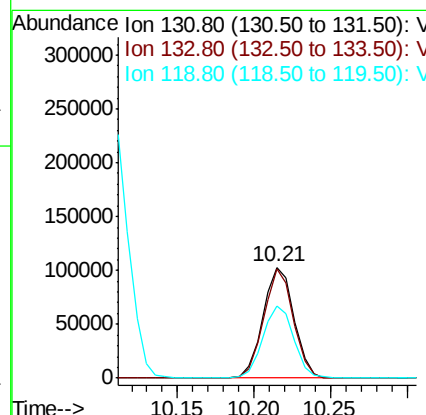
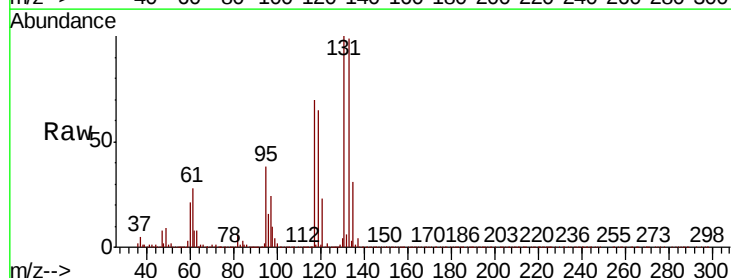
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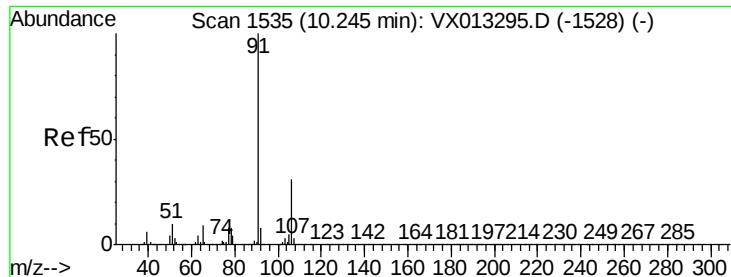
MMDadoda
11/13/2019 9:38:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.489 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.0	144.0
119	64.9	33.0	99.0





#67

Ethyl Benzene

Concen: 20.397 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 91 Resp: 678424

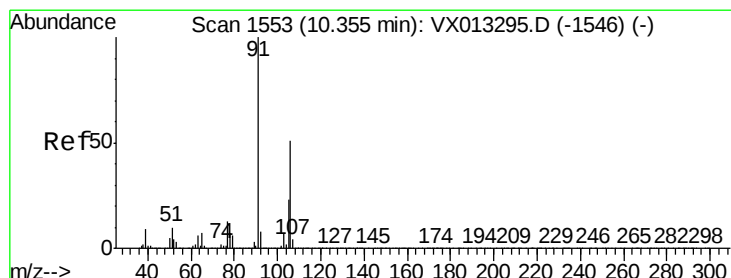
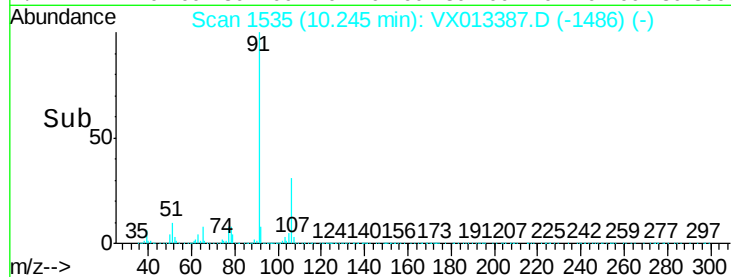
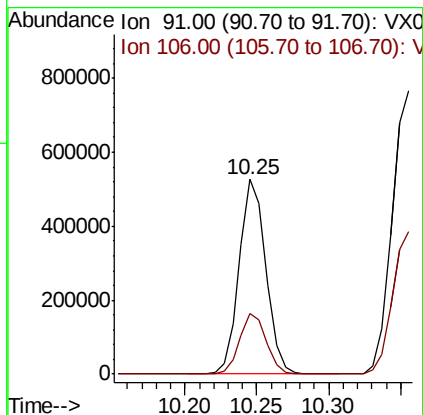
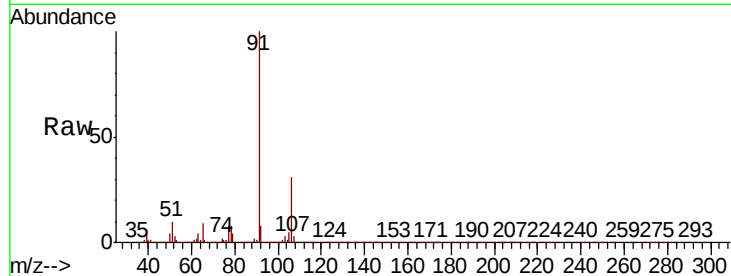
Ion Ratio Lower Upper

91 100

106 31.0 24.6 36.8

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#68

m/p-Xylenes

Concen: 40.847 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013387.D

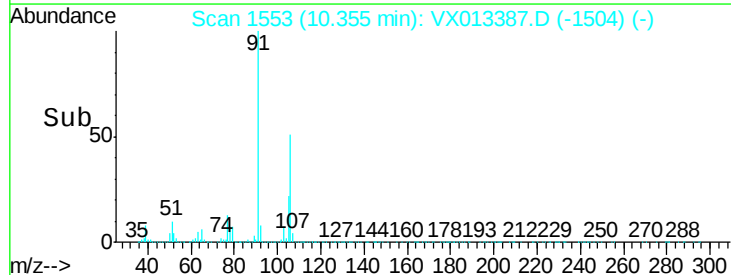
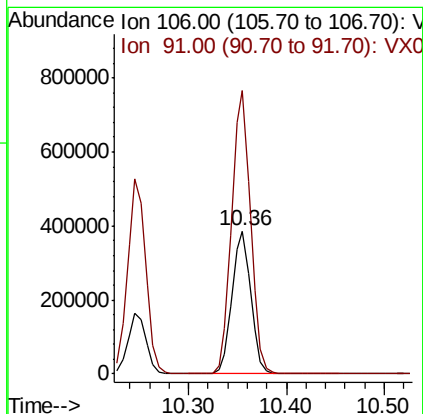
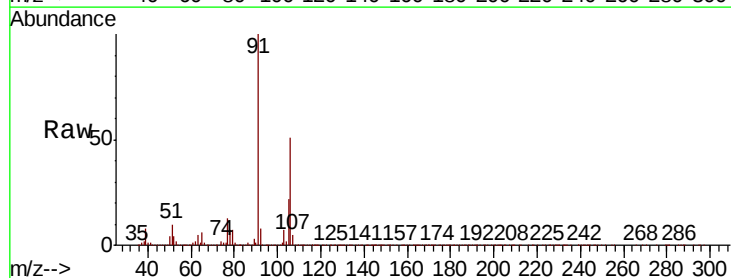
Acq: 12 Nov 2019 16:05

Tgt Ion: 106 Resp: 513804

Ion Ratio Lower Upper

106 100

91 199.6 159.3 238.9





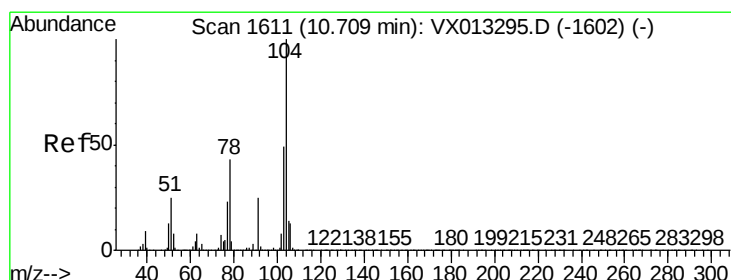
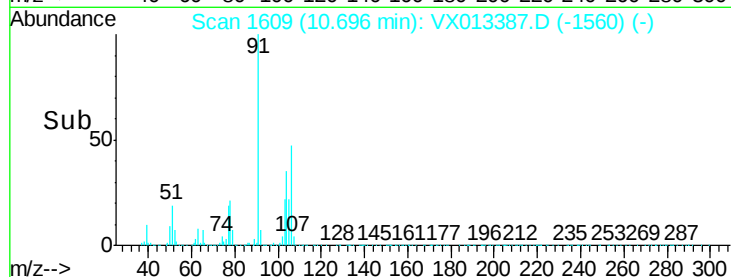
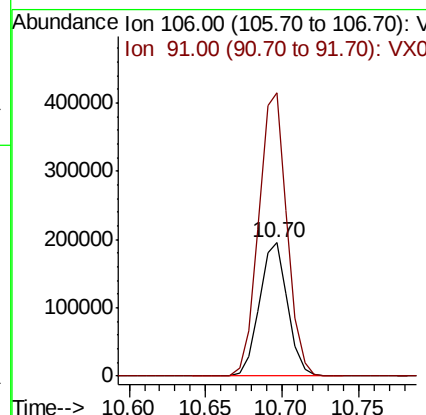
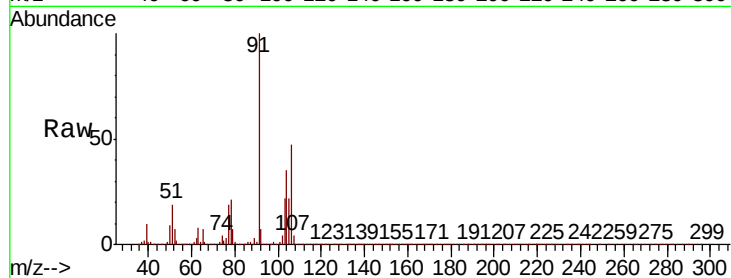
#69
o-Xylene
Concen: 20.347 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion:106 Resp: 250573
Ion Ratio Lower Upper
106 100
91 212.4 105.7 317.0

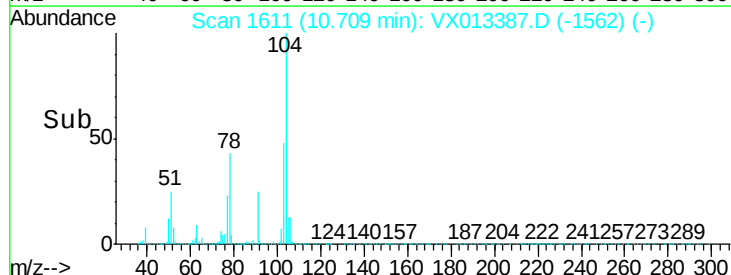
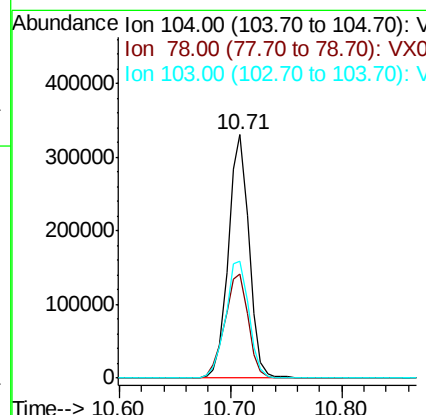
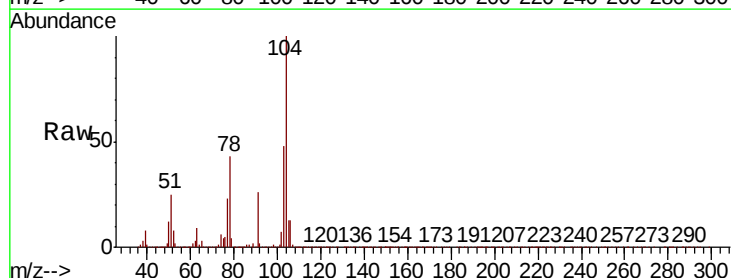
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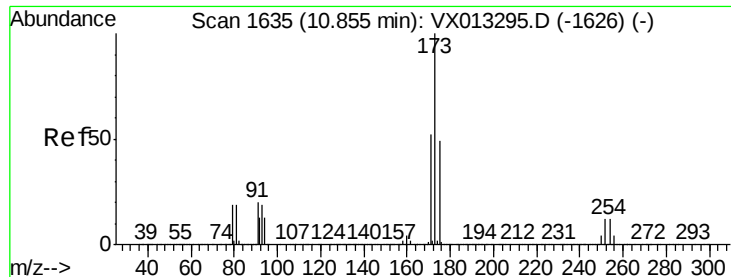
MMDadoda
11/13/2019 9:38:30 AM



#70
Styrene
Concen: 20.725 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion:104 Resp: 426650
Ion Ratio Lower Upper
104 100
78 48.6 40.0 60.0
103 54.1 44.1 66.1





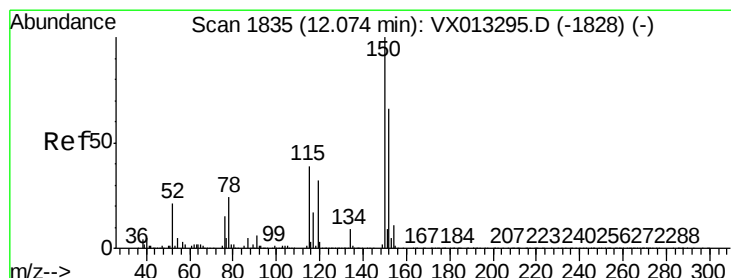
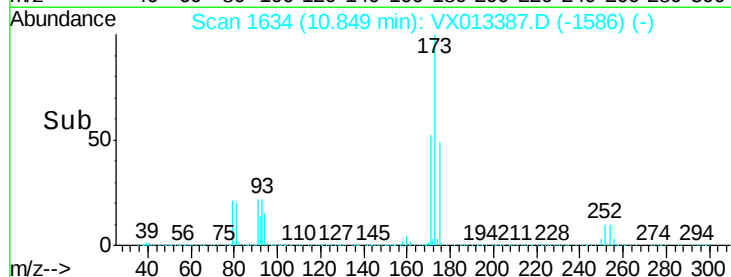
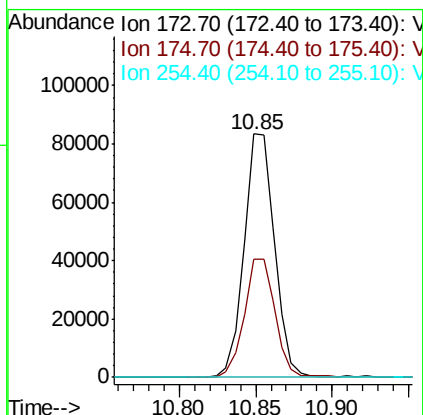
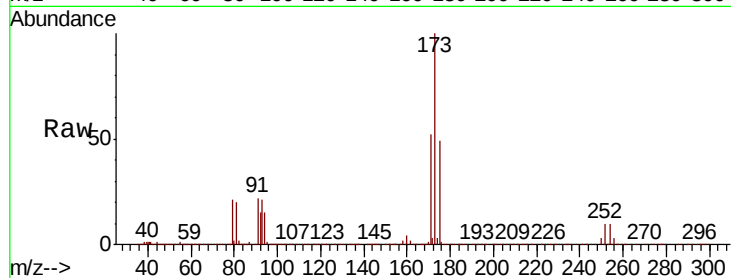
#71
Bromoform
Concen: 19.600 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.8	74.4
254	0.4	0.2	0.2

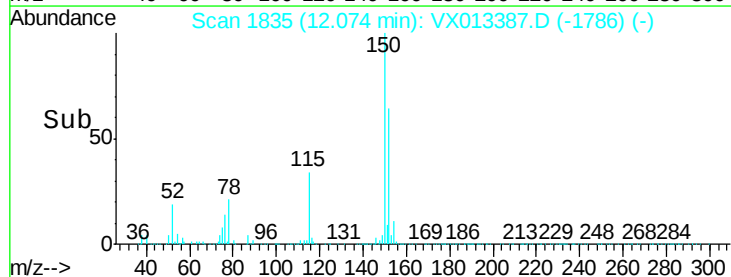
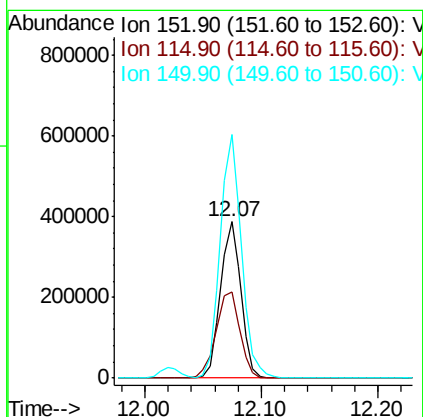
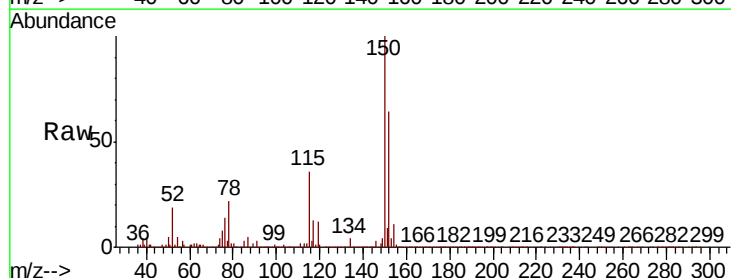
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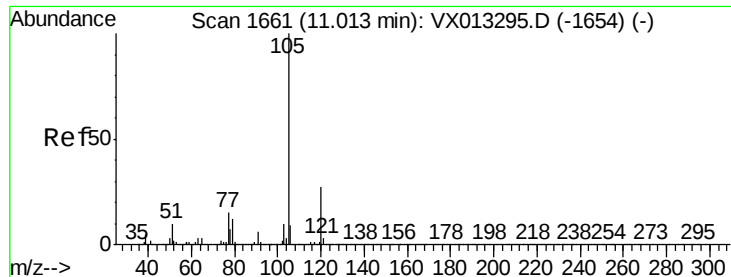
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.6	39.5	118.3
150	161.3	0.0	344.4





#73

Isopropylbenzene

Concen: 21.526 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 105 Resp: 667581

Ion Ratio Lower Upper

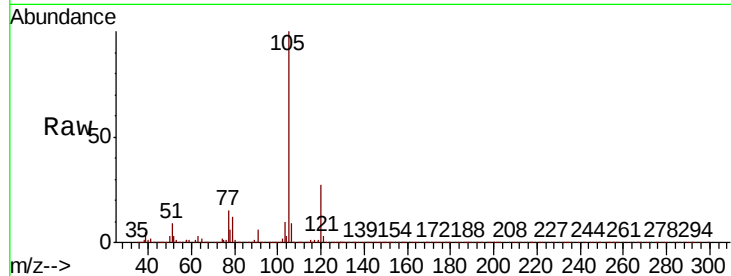
105 100

120 27.6 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

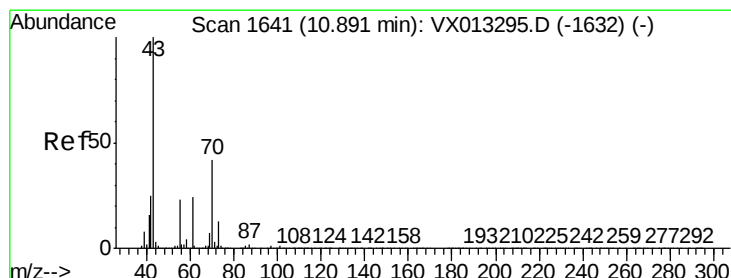
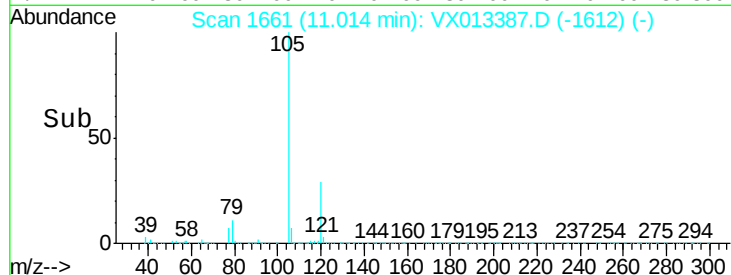
0

11.01

11.00

10.90

Time-->



#74

N-ethyl acetate

Concen: 21.481 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Tgt Ion: 43 Resp: 308929

Ion Ratio Lower Upper

43 100

70 43.0 34.1 51.1

55 24.4 18.9 28.3

61 25.3 19.2 28.8

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

400000

300000

200000

100000

0

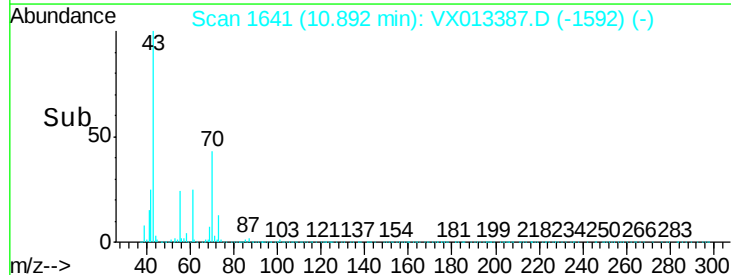
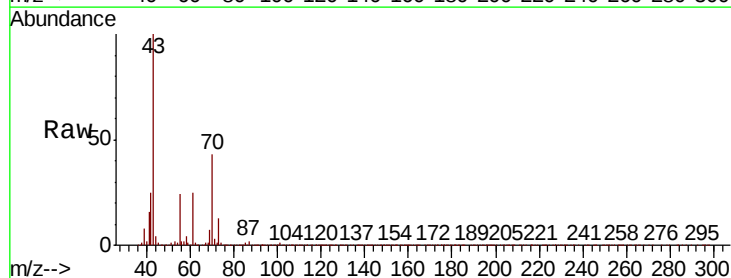
10.89

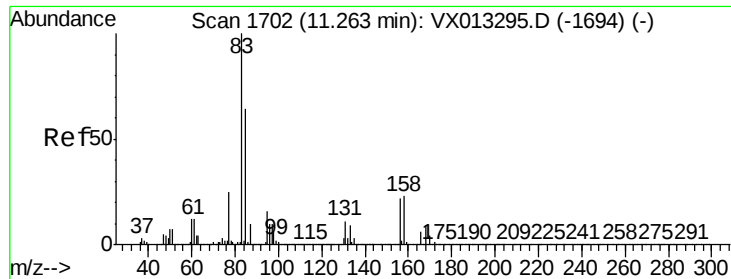
10.80

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.023 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 83 Resp: 237858

Ion Ratio Lower Upper

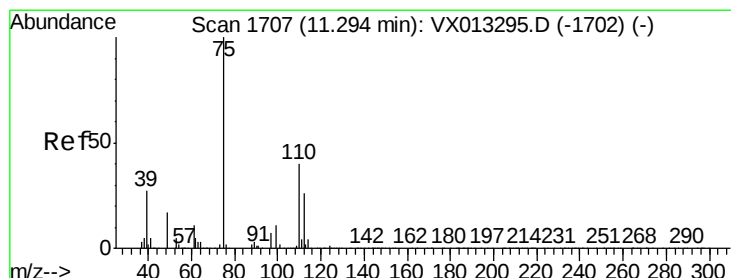
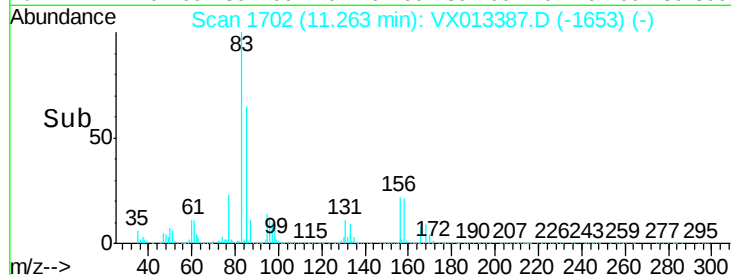
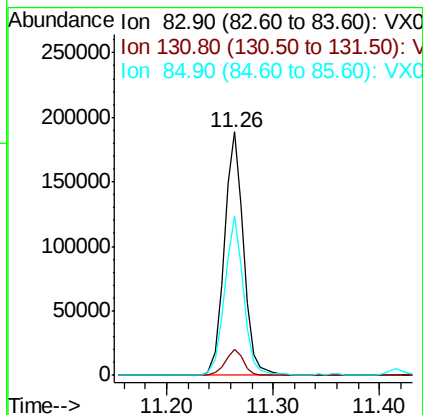
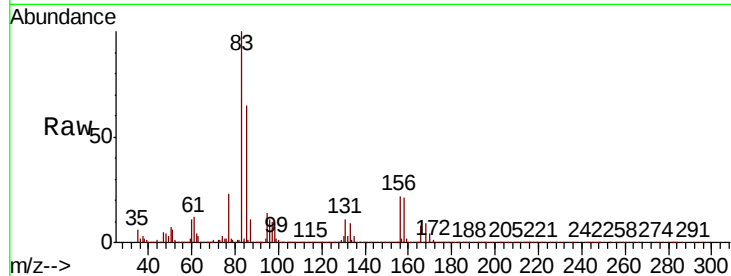
83 100

131 10.6 5.1 15.3

85 64.1 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 20.132 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX013387.D

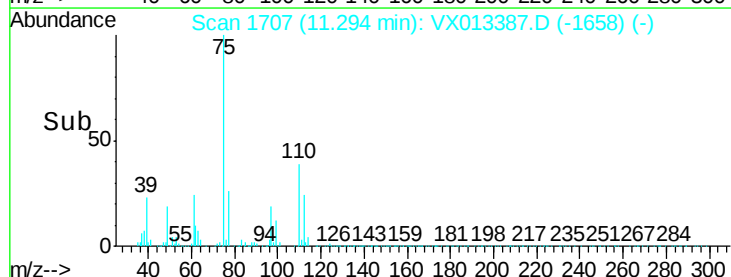
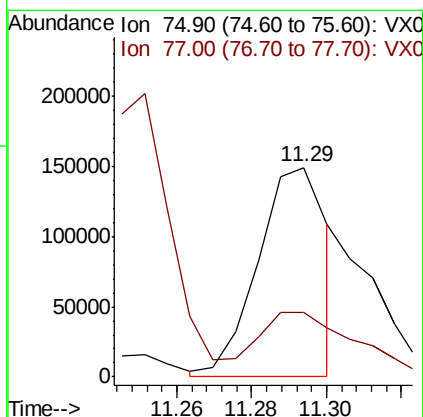
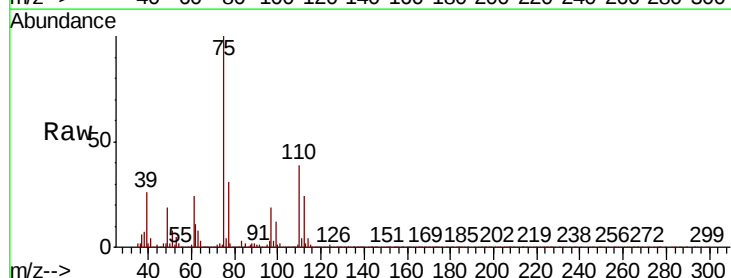
Acq: 12 Nov 2019 16:05

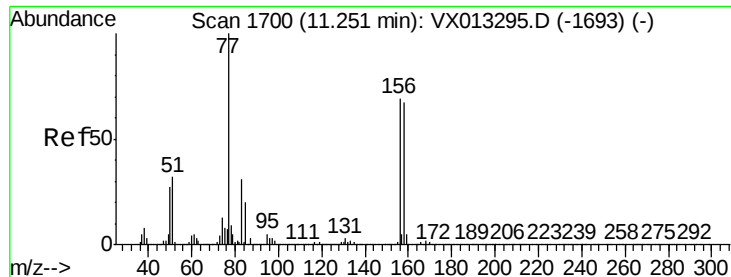
Tgt Ion: 75 Resp: 191272

Ion Ratio Lower Upper

75 100

77 42.5 22.3 66.8





#77

Bromobenzene

Concen: 21.053 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

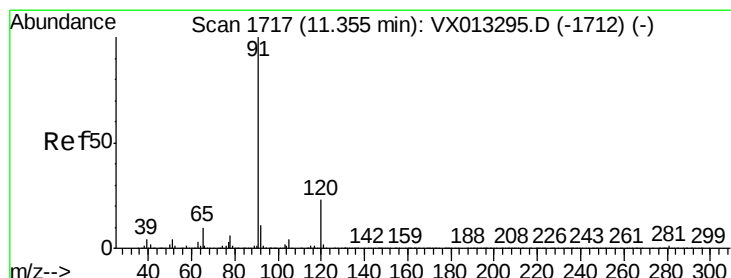
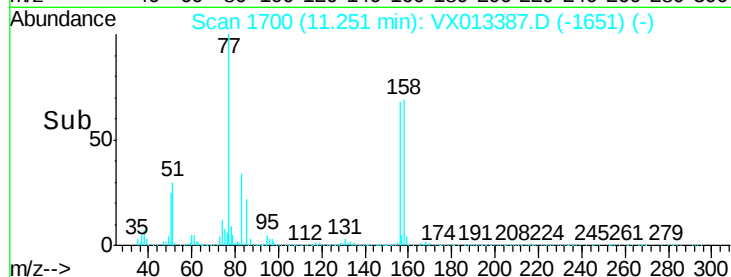
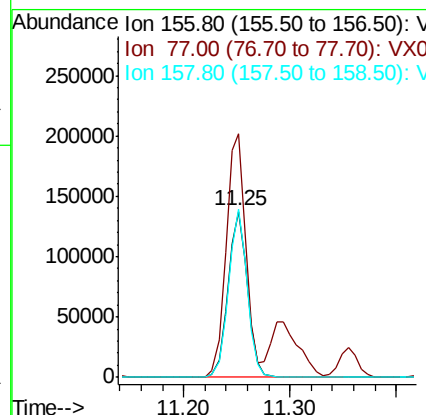
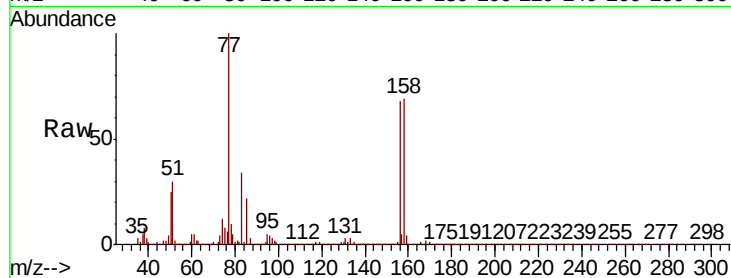
ClientSampleId :

VX1112WBSD02

Tot Ion:	156	Resp:	174057
Ion Ratio	Lower	Upper	
156	100		
77	148.4	75.8	227.4
158	97.8	47.6	142.8

Manual Integrations
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11/13/2019 9:38:30 AM



#78

n-propylbenzene

Concen: 21.492 ug/l

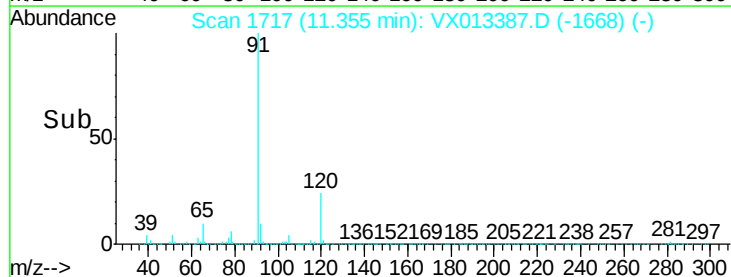
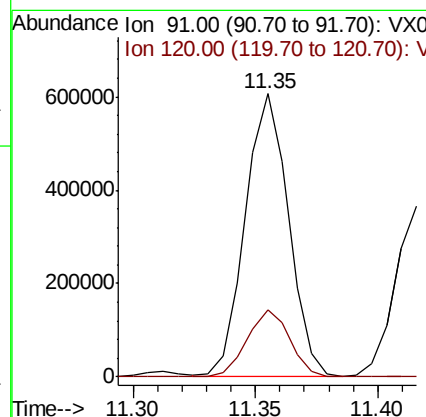
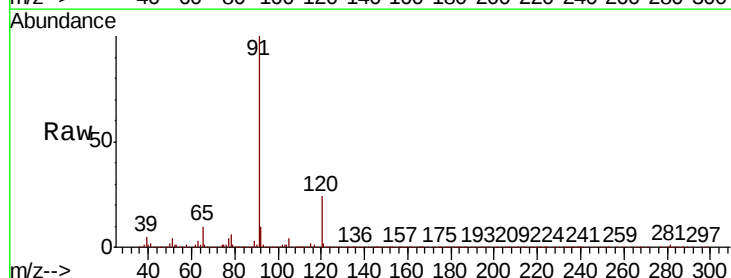
RT: 11.35 min Scan# 1717

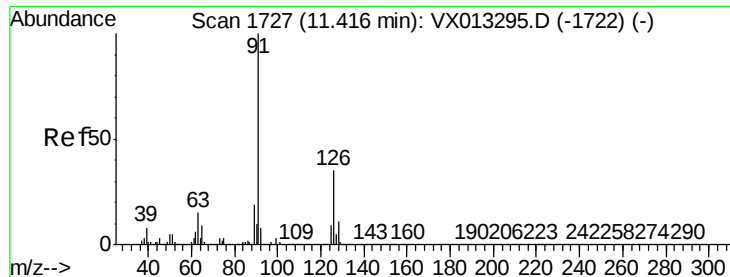
Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Tgt Ion:	91	Resp:	742498
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.6	34.8





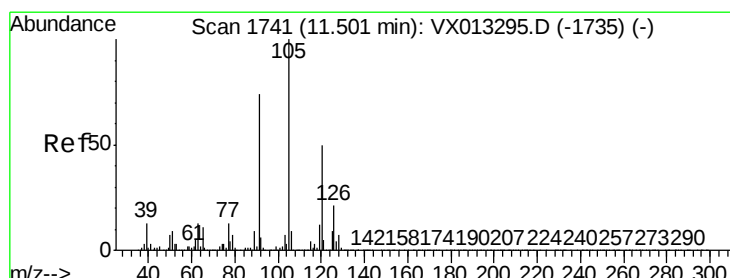
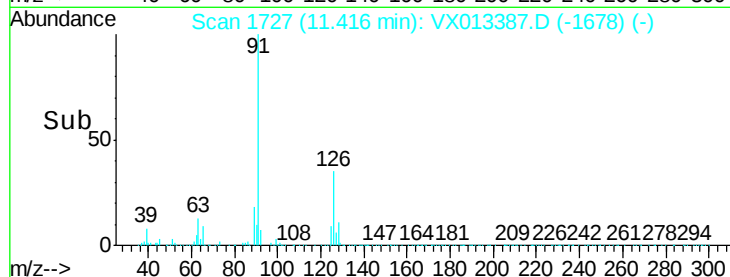
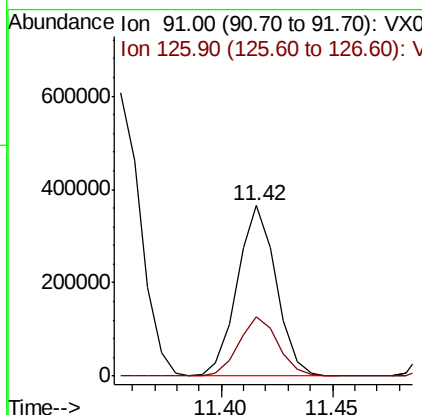
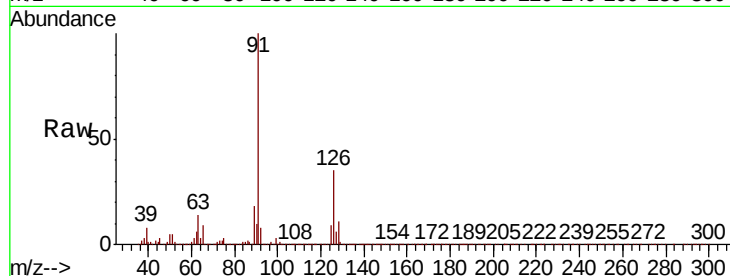
#79
2-Chlorotoluene
Concen: 21.186 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion: 91 Resp: 440965
Ion Ratio Lower Upper
91 100
126 35.5 17.3 52.0

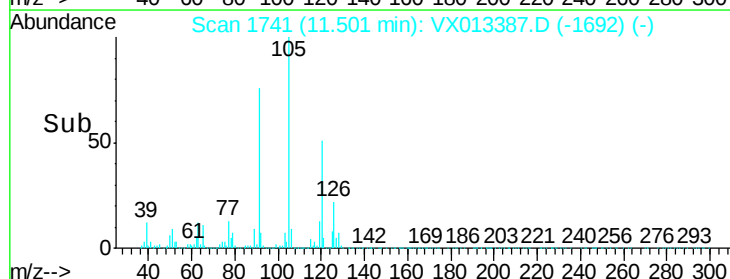
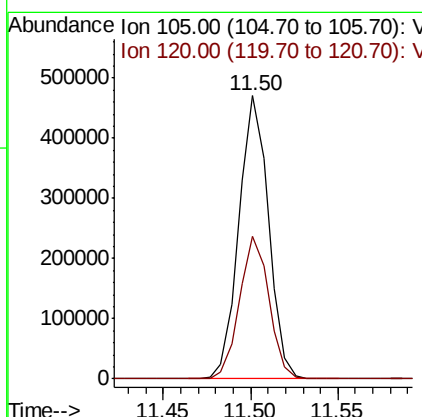
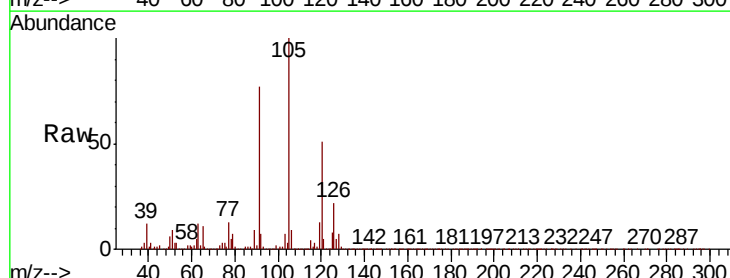
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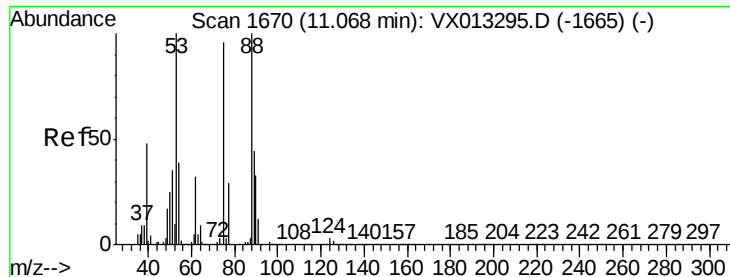
MMDadoda
11/13/2019 9:38:30 AM



#80
1,3,5-Trimethylbenzene
Concen: 21.389 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion: 105 Resp: 552541
Ion Ratio Lower Upper
105 100
120 50.1 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.417 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion: 75 Resp: 71669

Ion Ratio Lower Upper

75 100

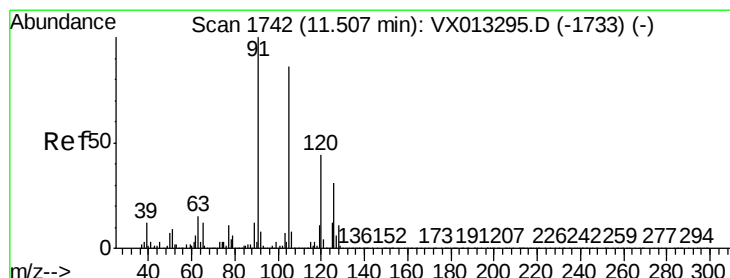
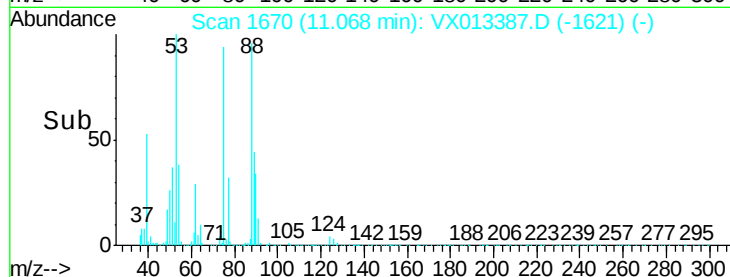
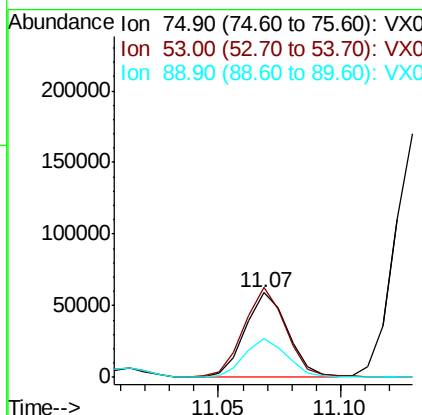
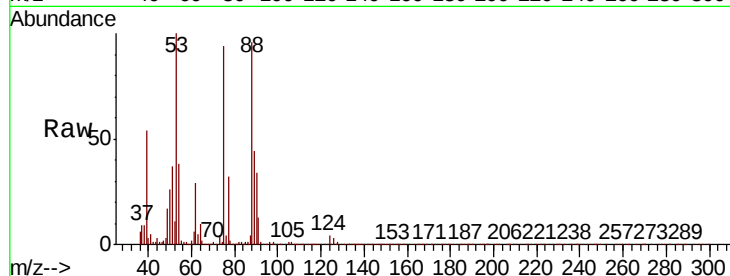
53 103.7 81.0 121.6

89 45.5 36.0 54.0

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#82

4-Chlorotoluene

Concen: 20.736 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013387.D

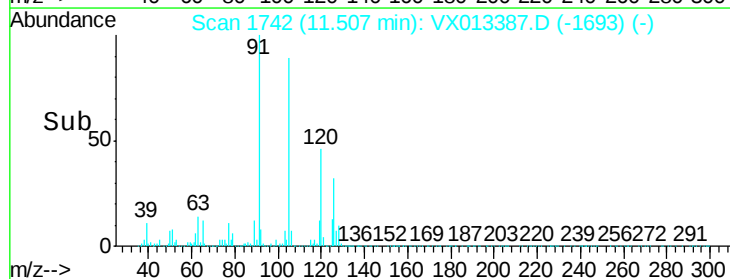
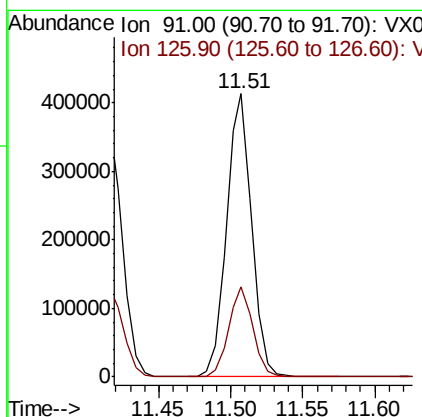
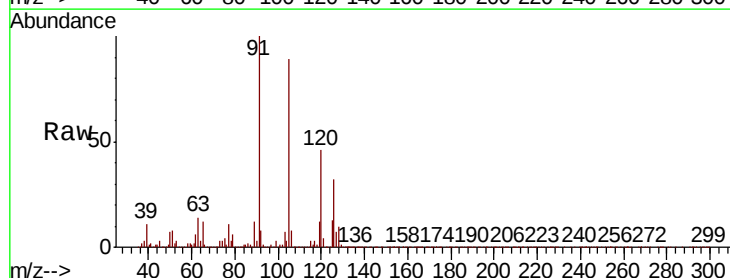
Acq: 12 Nov 2019 16:05

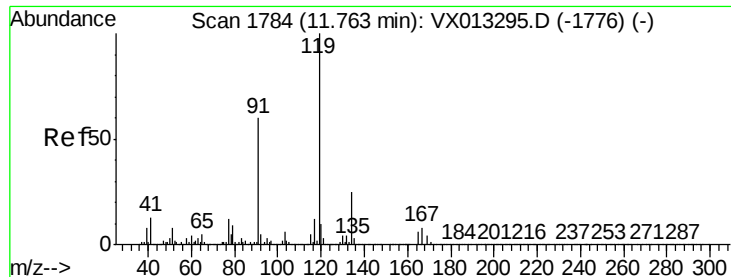
Tgt Ion: 91 Resp: 505230

Ion Ratio Lower Upper

91 100

126 30.6 15.3 45.8





#83

tert-Butylbenzene

Concen: 21.587 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

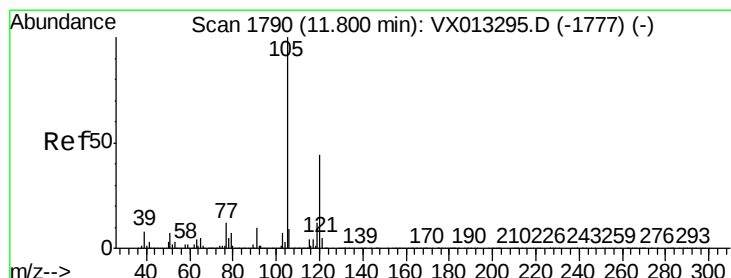
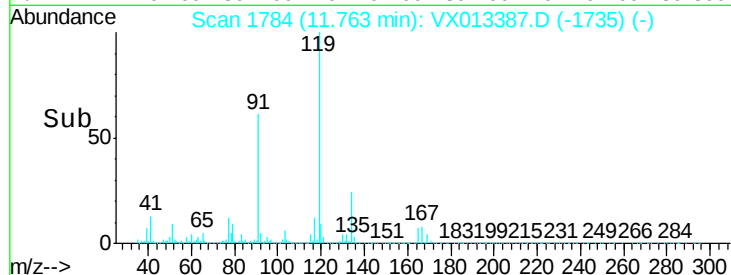
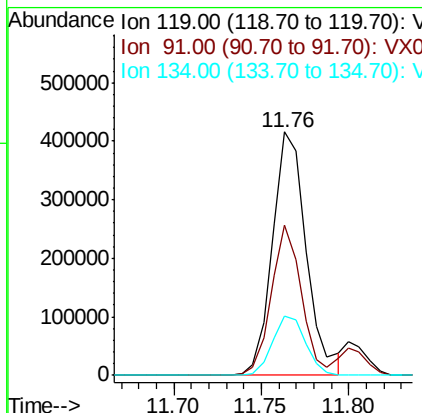
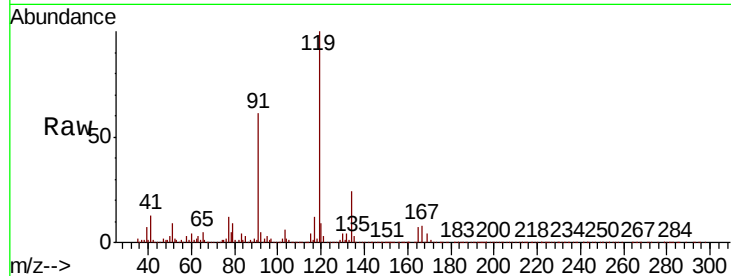
ClientSampleId :

VX1112WBSD02

Tot Ion:	119	Resp:	561359
Ion Ratio	Lower	Upper	
119	100		
91	54.9	26.9	80.7
134	23.7	11.7	35.1

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#84

1,2,4-Trimethylbenzene

Concen: 21.764 ug/l

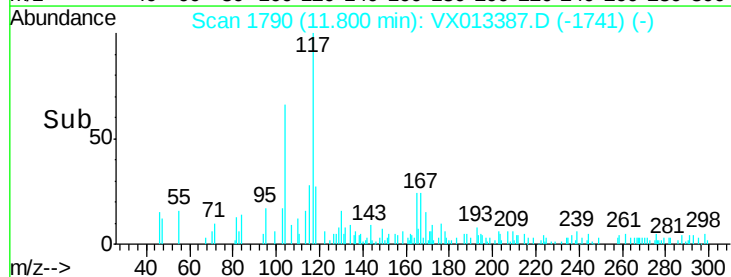
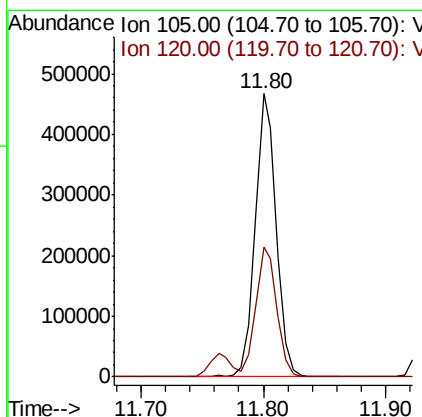
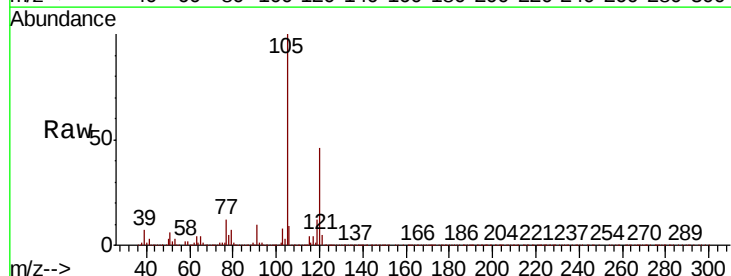
RT: 11.80 min Scan# 1790

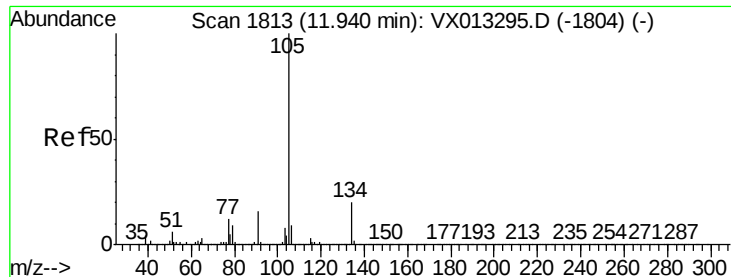
Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Tgt Ion:	105	Resp:	563994
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.7	68.1





#85

sec-Butylbenzene

Concen: 21.286 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBSD02

Tot Ion:105 Resp: 636166

Ion Ratio Lower Upper

105 100

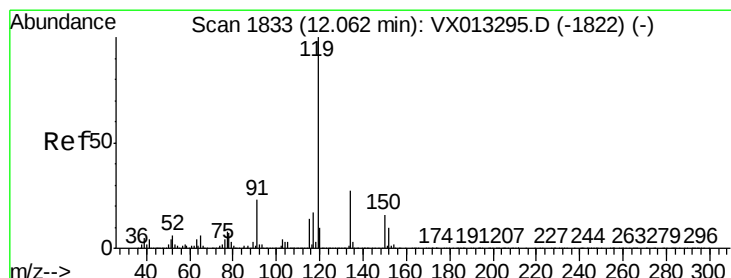
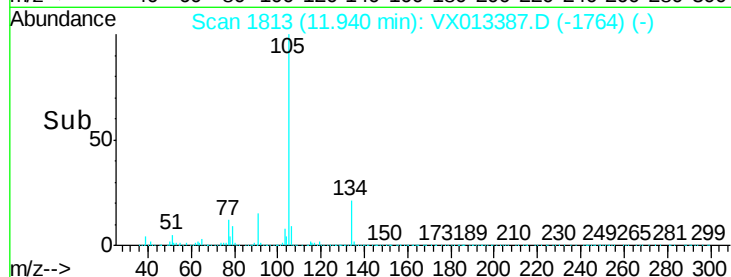
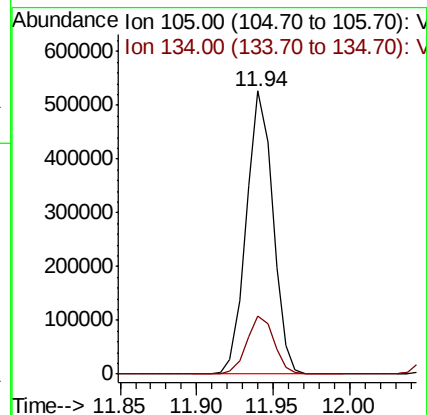
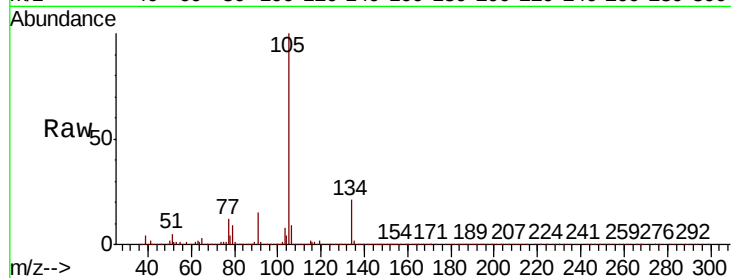
134 21.0 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 21.427 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

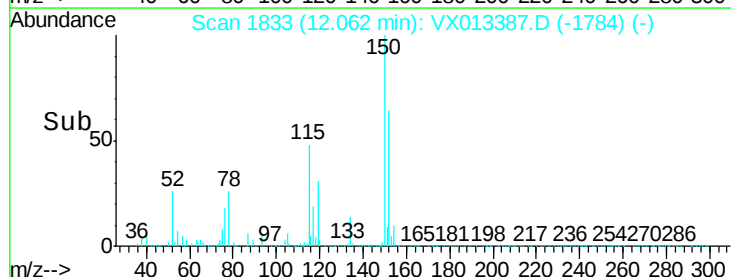
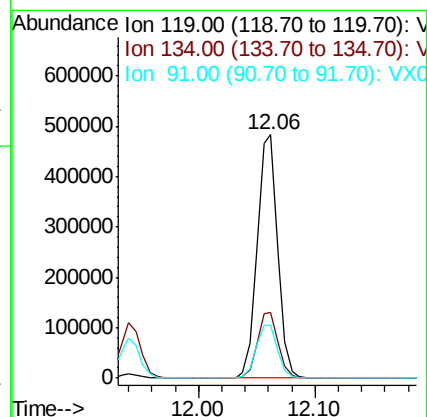
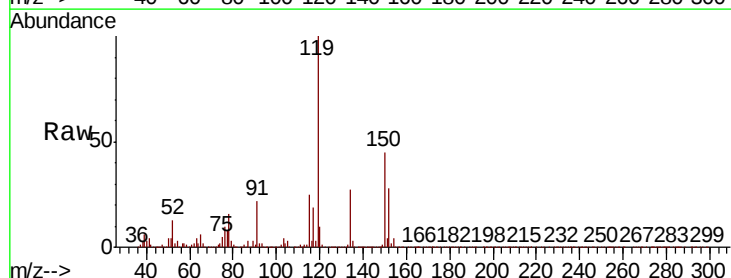
Tgt Ion:119 Resp: 589682

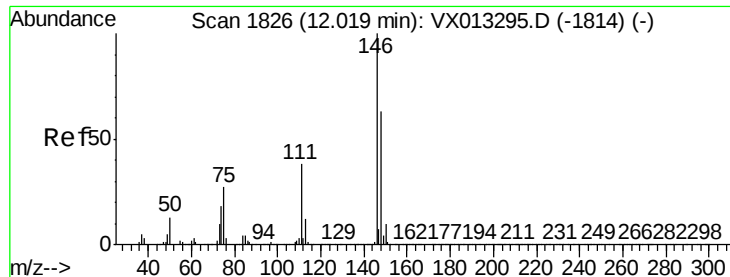
Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

91 22.7 11.5 34.4





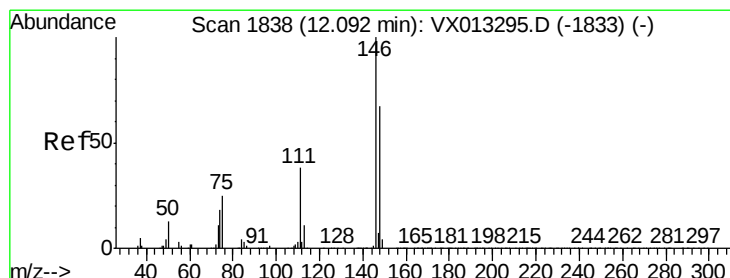
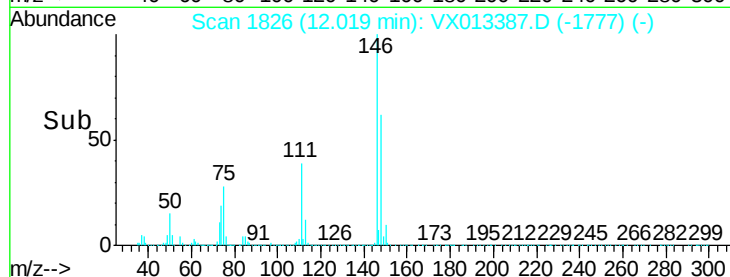
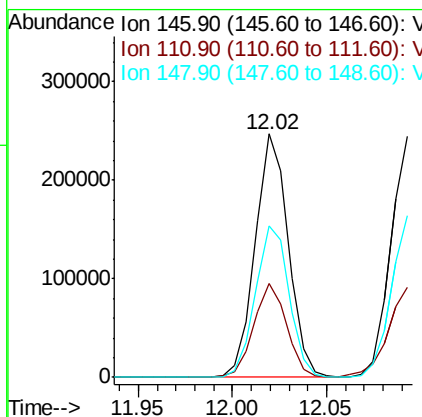
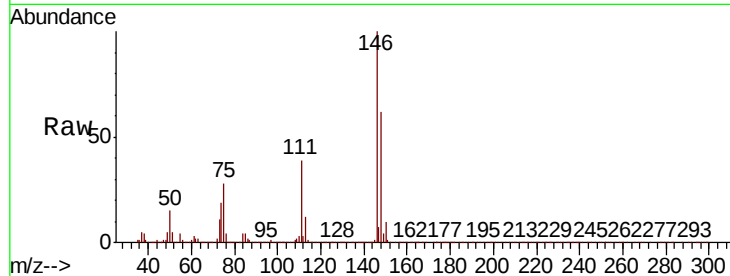
#87
 1,3-Dichlorobenzene
 Concen: 20.414 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013387.D
 Acq: 12 Nov 2019 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.5
148	63.7	31.9	95.7

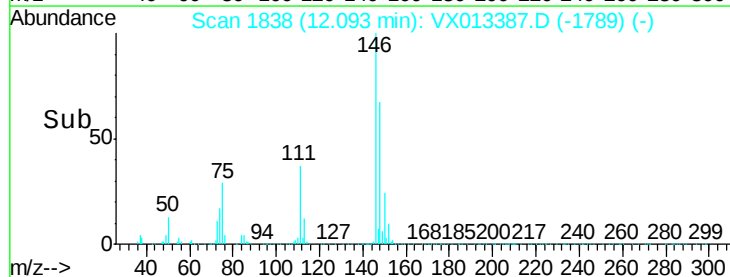
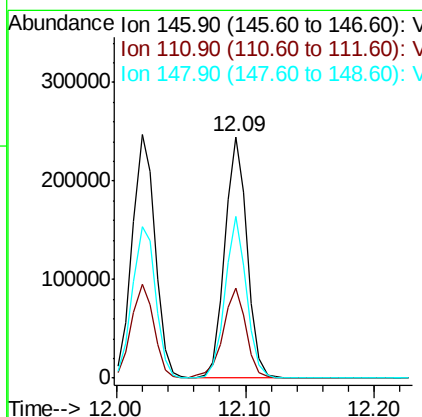
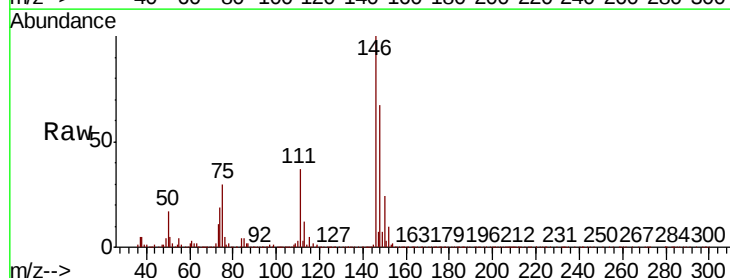
Manual Integrations
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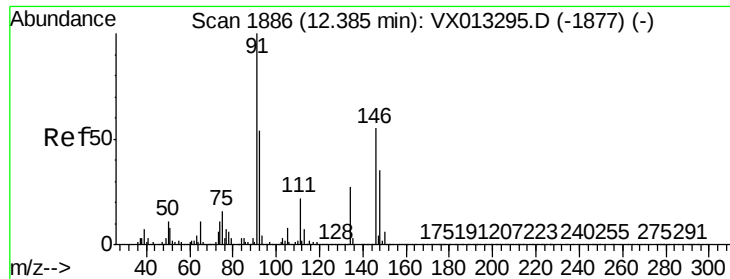
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#88
 1,4-Dichlorobenzene
 Concen: 19.828 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013387.D
 Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.4
148	64.2	32.4	97.0





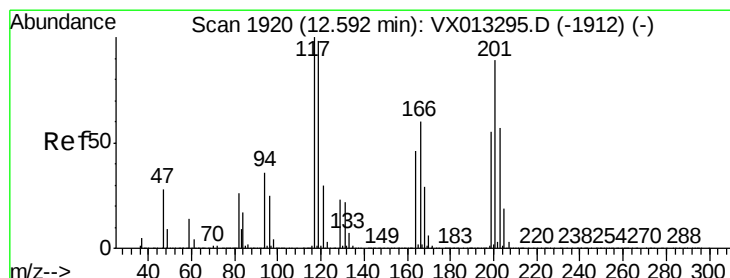
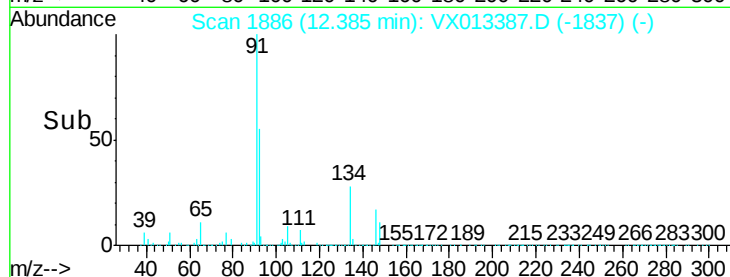
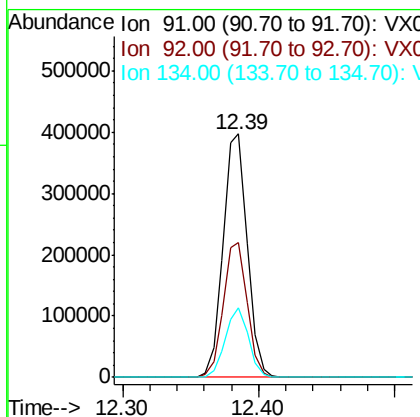
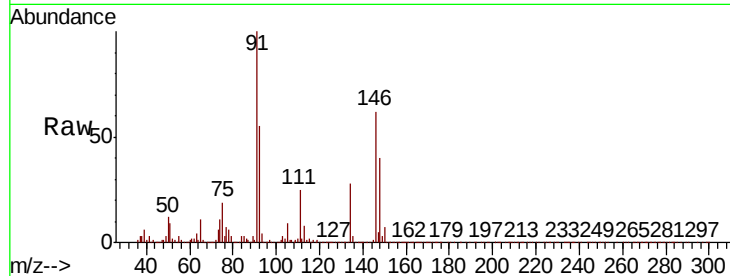
#89
n-Butylbenzene
Concen: 20.226 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	485683		
92	54.9	27.3	81.8	
134	27.5	13.5	40.5	

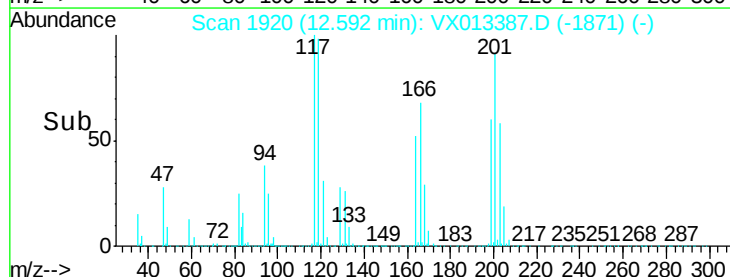
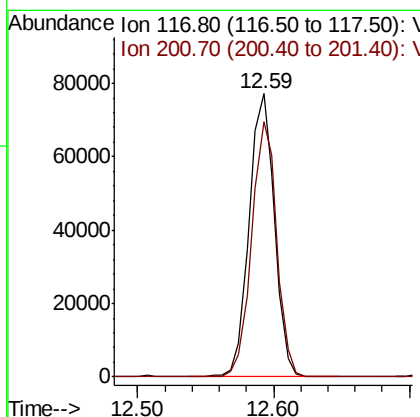
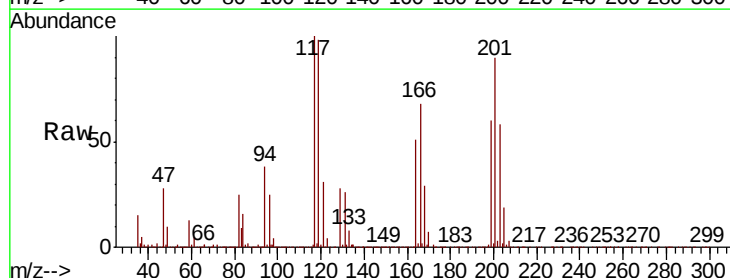
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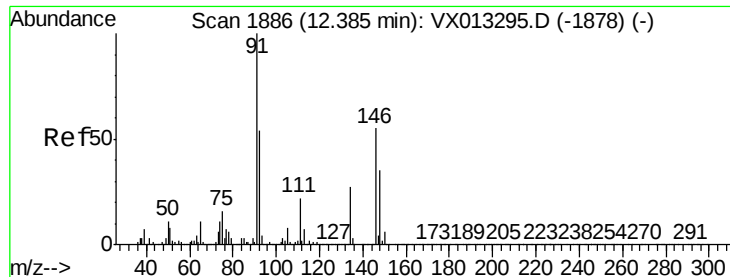
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#90
Hexachloroethane
Concen: 20.527 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013387.D
Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	100651		
201	89.8	43.9	131.7	





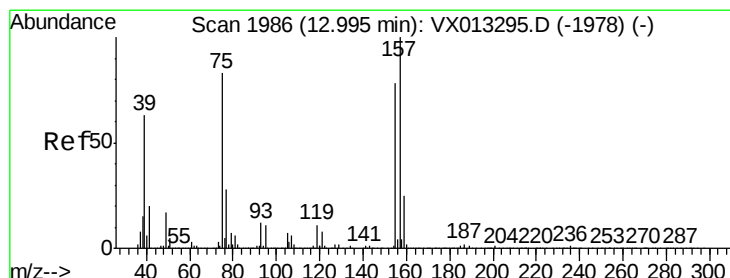
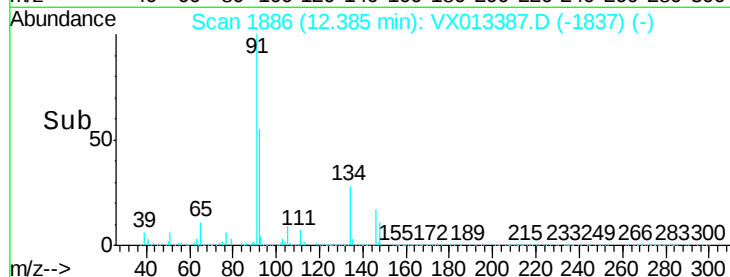
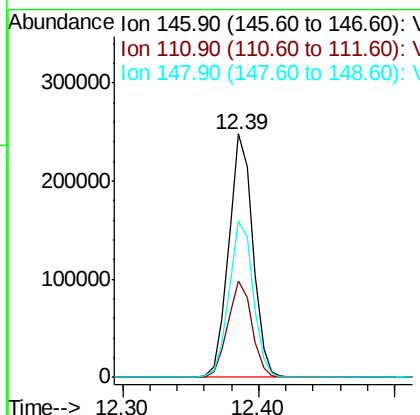
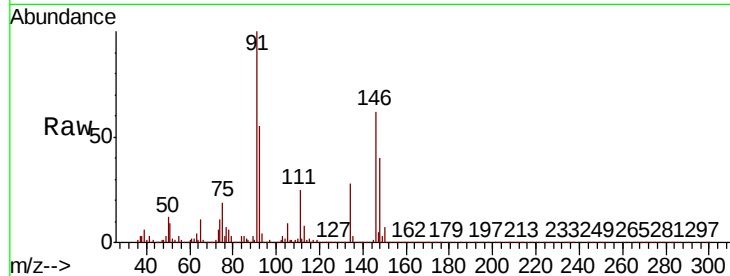
#91
 1,2-Dichlorobenzene
 Concen: 20.671 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013387.D
 Acq: 12 Nov 2019 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	304517		
111	39.2	20.1	60.2	
148	64.6	32.0	96.0	

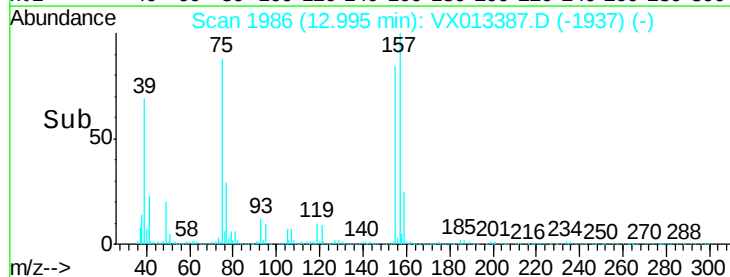
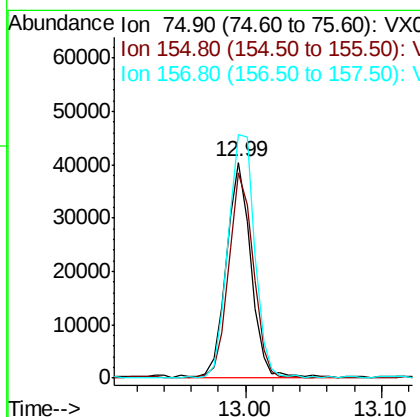
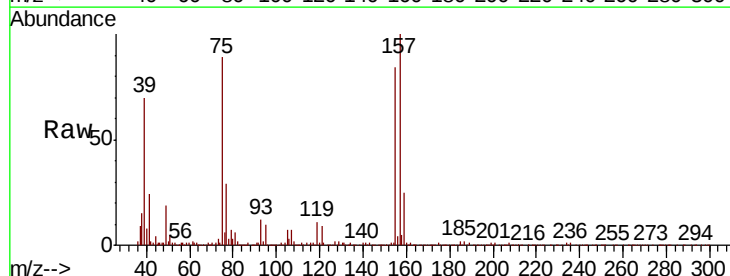
Manual Integrations
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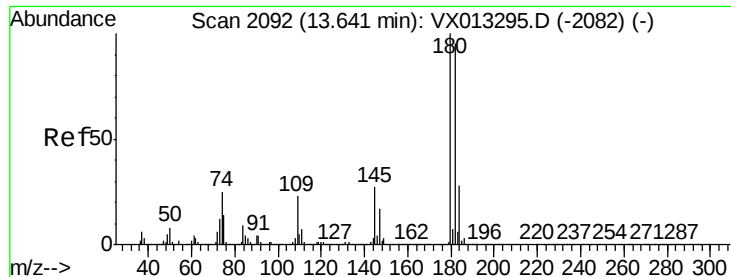
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.155 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013387.D
 Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	50044		
155	96.5	47.1	141.4	
157	125.3	61.3	183.8	





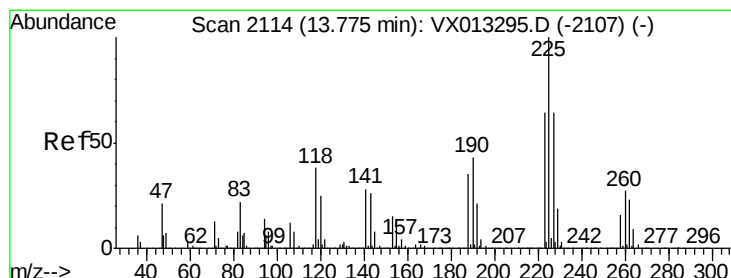
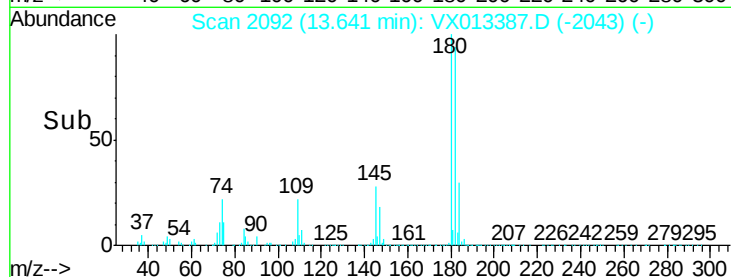
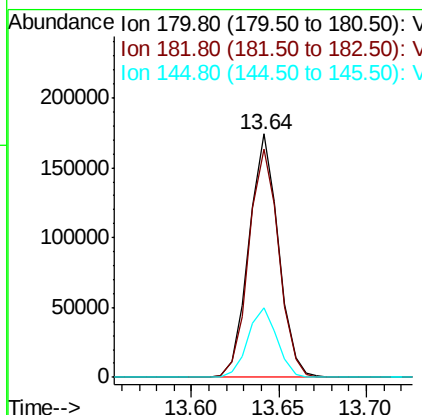
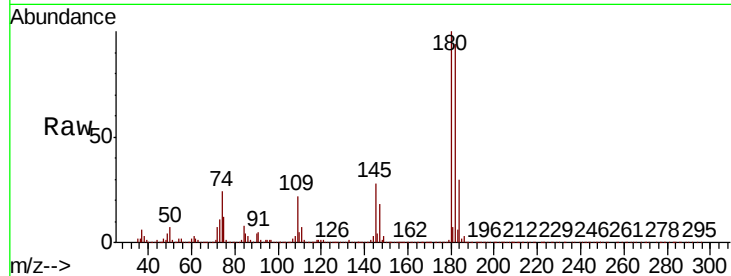
#93
 1,2,4-Trichlorobenzene
 Concen: 19.813 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013387.D
 Acq: 12 Nov 2019 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBSD02

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.3	48.4	145.0
145	28.2	14.1	42.4

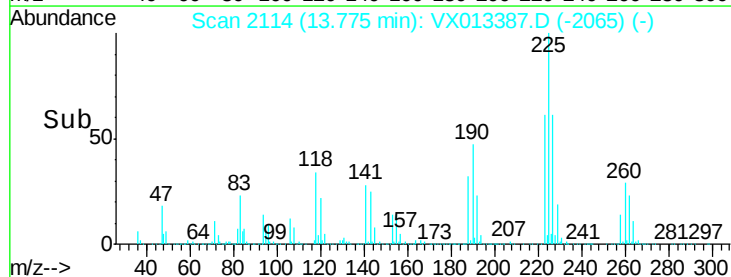
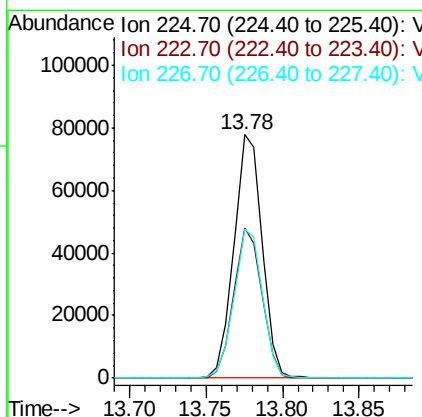
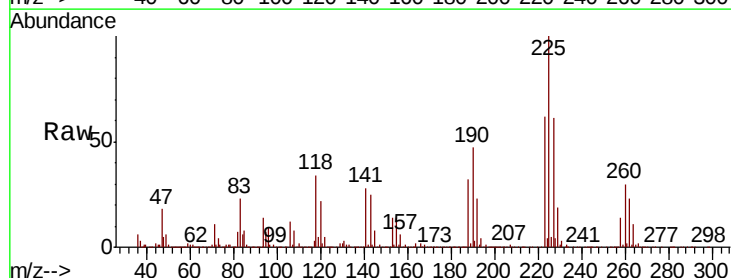
Manual Integrations
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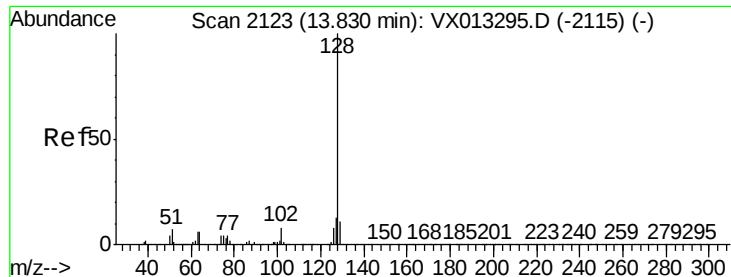
MMDadoda
 11/13/2019 9:38:30 AM



#94
 Hexachlorobutadiene
 Concen: 19.735 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX013387.D
 Acq: 12 Nov 2019 16:05

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	61.8	31.9	95.7
227	61.8	31.9	95.9





#95

Naphthalene

Concen: 19.866 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Instrument :

MSVOA_X

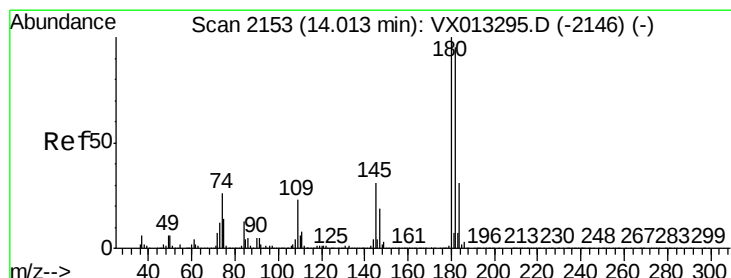
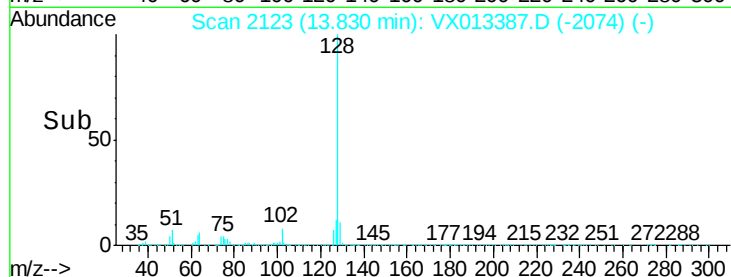
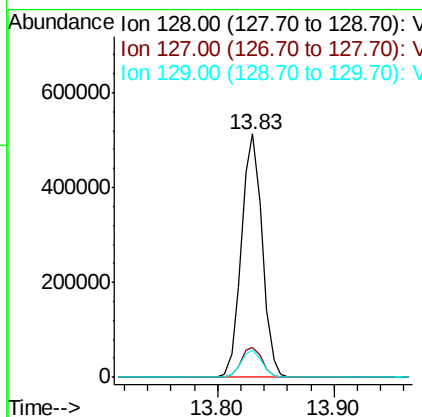
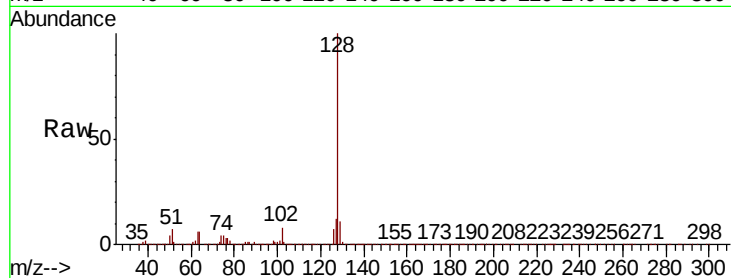
ClientSampleId :

VX1112WBSD02

Tot Ion:	128	Resp:	640486
Ion Ratio		Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.2	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
11/13/2019 9:38:30 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.800 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX013387.D

Acq: 12 Nov 2019 16:05

Tgt Ion:	180	Resp:	204048
Ion Ratio		Lower	Upper
180	100		
182	96.2	48.0	144.2
145	29.4	15.4	46.4

