

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111919\
 Data File : VX013464.D
 Acq On : 19 Nov 2019 15:11
 Operator : JC/SP
 Sample : K5929-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-RFW1147MS

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 9:18:00 AM

Quant Time: Nov 19 16:36:02 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	5.64	168	677696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1019180	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	919189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	463558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	412274	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	5.48	113	348896	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
50) Toluene-d8	8.71	98	1305770	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	
62) 4-Bromofluorobenzene	11.13	95	480177	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	350866	44.934	ug/l	98
3) Chloromethane	1.31	50	386207	45.609	ug/l	99
4) Vinyl Chloride	1.40	62	464440	48.177	ug/l	99
5) Bromomethane	1.62	94	297380	44.266	ug/l	99
6) Chloroethane	1.70	64	253746	45.950	ug/l	99
7) Trichlorofluoromethane	1.92	101	516931	45.387	ug/l	98
8) Diethyl Ether	2.17	74	237167	47.090	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	328412	51.735	ug/l	98
10) Methyl Iodide	2.50	142	378037	48.100	ug/l	97
11) Tert butyl alcohol	3.03	59	442771	209.237	ug/l	99
12) 1,1-Dichloroethene	2.36	96	309790	49.834	ug/l	98
13) Acrolein	2.28	56	278804	243.098	ug/l	96
14) Allyl chloride	2.72	41	574930	50.901	ug/l	97
15) Acrylonitrile	3.12	53	1011417	255.871	ug/l	99
16) Acetone	2.43	43	850587	212.402	ug/l	98
17) Carbon Disulfide	2.56	76	764172	45.928	ug/l	99
18) Methyl Acetate	2.76	43	581316	52.580	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	1098527	52.983	ug/l	97
20) Methylene Chloride	2.84	84	360303	48.696	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	335429	49.557	ug/l	97
22) Diisopropyl ether	3.84	45	1172386	53.764	ug/l	98
23) Vinyl Acetate	3.80	43	4844957	259.651	ug/l	99
24) 1,1-Dichloroethane	3.68	63	626338	51.345	ug/l	99
25) 2-Butanone	4.65	43	1410174	240.037	ug/l	99
26) 2,2-Dichloropropane	4.56	77	529785	54.593	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	399036	52.628	ug/l	99
28) Bromochloromethane	4.99	49	190854	55.103	ug/l	99
29) Tetrahydrofuran	5.11	42	904001	249.703	ug/l	99
30) Chloroform	5.19	83	619567	51.436	ug/l	97
31) Cyclohexane	5.56	56	581620	52.987	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	526759	50.815	ug/l	100
36) 1,1-Dichloropropene	5.79	75	460937	52.719	ug/l	99
37) Ethyl Acetate	4.81	43	587471	54.376	ug/l	100
38) Carbon Tetrachloride	5.77	117	449580	52.583	ug/l	98

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 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)
39) Methylcyclohexane	7.45	83	605652	55.593	ug/l	99
40) Benzene	6.13	78	1443488	53.001	ug/l	99
41) Methacrylonitrile	5.02	41	312113	51.542	ug/l	98
42) 1,2-Dichloroethane	6.18	62	501653	51.065	ug/l	98
43) Isopropyl Acetate	6.43	43	885892	52.658	ug/l	99
44) Trichloroethene	7.20	130	380020	50.690	ug/l	95
45) 1,2-Dichloropropane	7.50	63	372204	53.637	ug/l	98
46) Dibromomethane	7.65	93	243787	51.453	ug/l	99
47) Bromodichloromethane	7.89	83	487377	54.550	ug/l	97
48) Methyl methacrylate	7.76	41	447889	53.334	ug/l	97
49) 1,4-Dioxane	7.73	88	165226	859.118	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2833113	256.678	ug/l	99
52) Toluene	8.78	92	891322	52.803	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	546985	55.987	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	601354	55.026	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	371186	53.052	ug/l	98
56) Ethyl methacrylate	9.17	69	603481	50.507	ug/l	98
57) 1,3-Dichloropropane	9.36	76	628454	52.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	95599	19.983	ug/l	99
59) 2-Hexanone	9.48	43	2151368	252.223	ug/l	98
60) Dibromochloromethane	9.57	129	396892	55.466	ug/l	100
61) 1,2-Dibromoethane	9.67	107	386064	51.963	ug/l	99
64) Tetrachloroethene	9.33	164	333212	50.639	ug/l	99
65) Chlorobenzene	10.14	112	976894	52.495	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	371240	54.331	ug/l	99
67) Ethyl Benzene	10.25	91	1718701	53.512	ug/l	98
68) m/p-Xylenes	10.36	106	1319444	108.626	ug/l	99
69) o-Xylene	10.69	106	635976	53.479	ug/l	100
70) Styrene	10.71	104	1100177	55.344	ug/l	98
71) Bromoform	10.85	173	310217	49.032	ug/l	98
73) Isopropylbenzene	11.01	105	1733582	56.405	ug/l	100
74) N-amyl acetate	10.89	43	794746	55.762	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	603074	53.786	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	473541m	50.294	ug/l	
77) Bromobenzene	11.25	156	445012	54.313	ug/l	98
78) n-propylbenzene	11.35	91	1966313	57.433	ug/l	99
79) 2-Chlorotoluene	11.42	91	1135621	55.054	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1450871	56.674	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	207037	56.599	ug/l	95
82) 4-Chlorotoluene	11.51	91	1309165	54.218	ug/l	99
83) tert-Butylbenzene	11.76	119	1470274	57.053	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1506595	58.666	ug/l	98
85) sec-Butylbenzene	11.94	105	1690821	57.088	ug/l	99
86) p-Isopropyltoluene	12.06	119	1577535	57.843	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	786650	53.862	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	780164	52.430	ug/l	99
89) n-Butylbenzene	12.39	91	1348691	56.674	ug/l	99
90) Hexachloroethane	12.59	117	285746	58.805	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	790212	54.128	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	130504	47.774	ug/l	98

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FA19-RFW1147MS

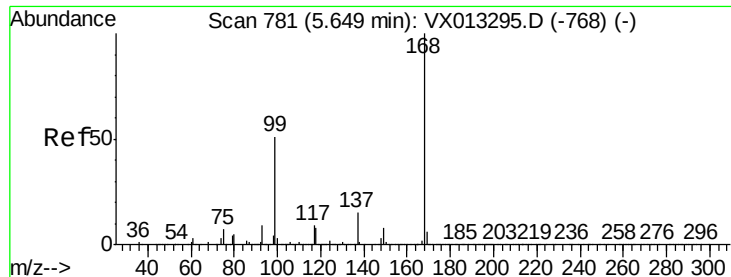
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	537389	52.771	ug/l	99
94) Hexachlorobutadiene	13.78	225	267396	53.671	ug/l	98
95) Naphthalene	13.83	128	1643324	51.433	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	535753	52.459	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

FA19-RFW1147MS

Tot Ion:168 Resp: 677696

Ion Ratio Lower Upper

168 100

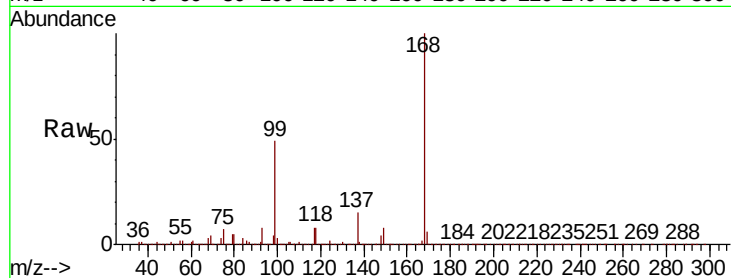
99 49.2 40.8 61.2

Manual Integrations

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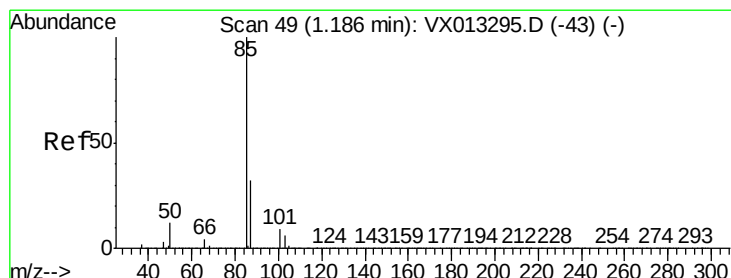
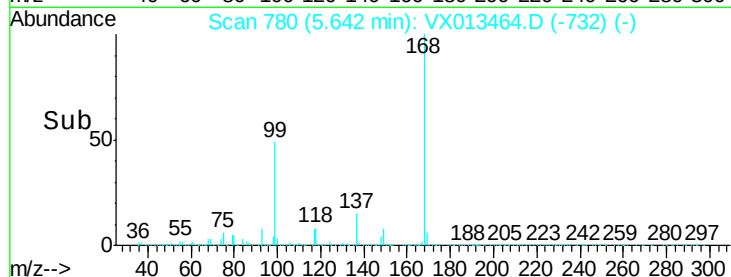
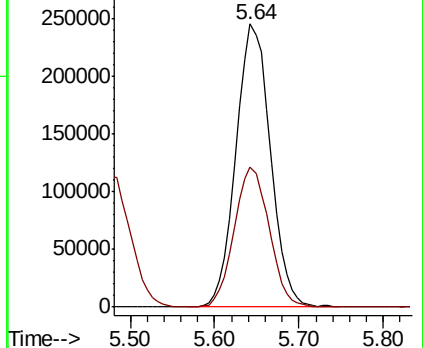
MMDadoda

11/20/2019 9:18:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 44.934 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013464.D

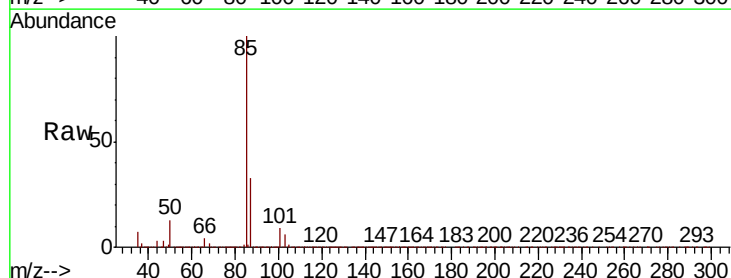
Acq: 19 Nov 2019 15:11

Tgt Ion: 85 Resp: 350866

Ion Ratio Lower Upper

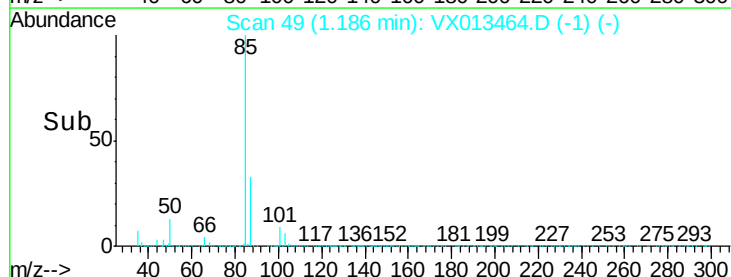
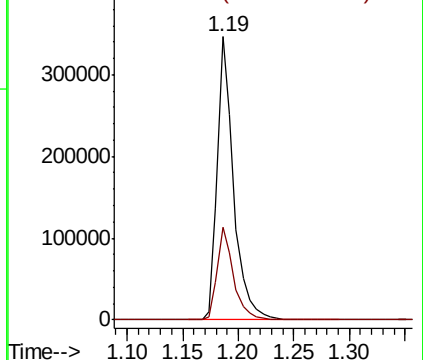
85 100

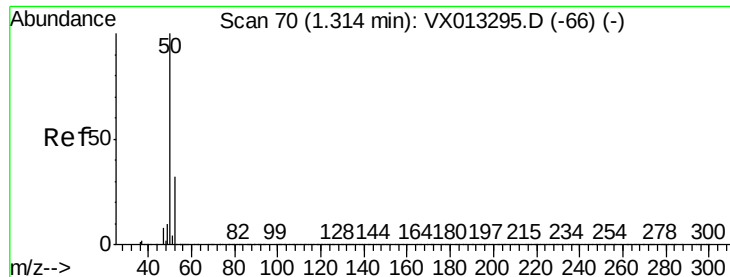
87 32.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 45.609 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

FA19-RFW1147MS

Tot Ion: 50 Resp: 386207

Ion Ratio Lower Upper

50 100

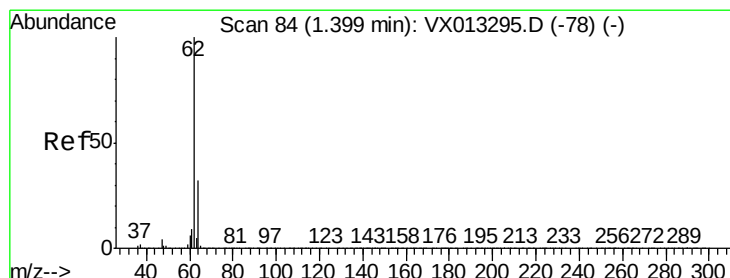
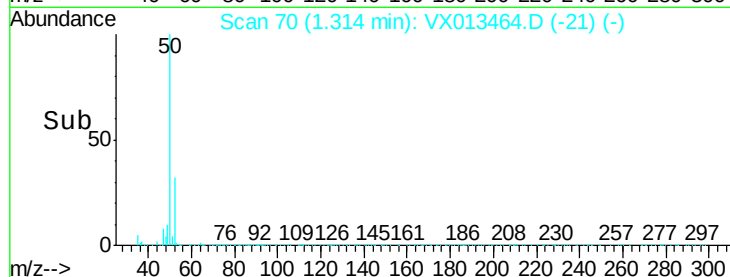
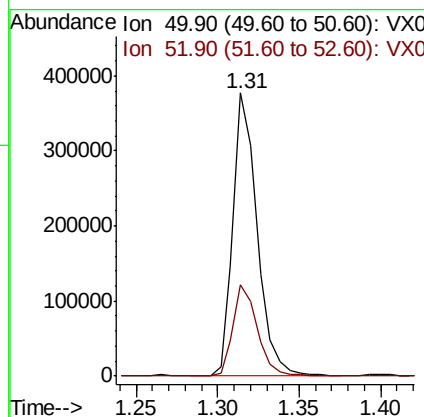
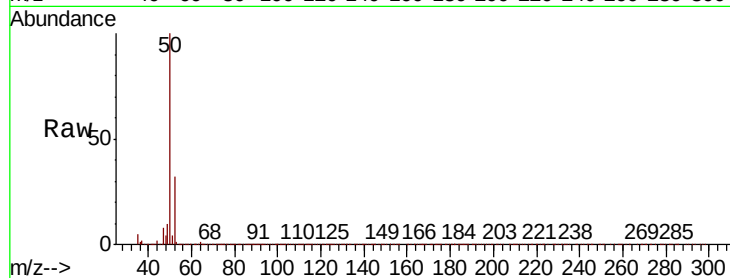
52 32.3 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.177 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013464.D

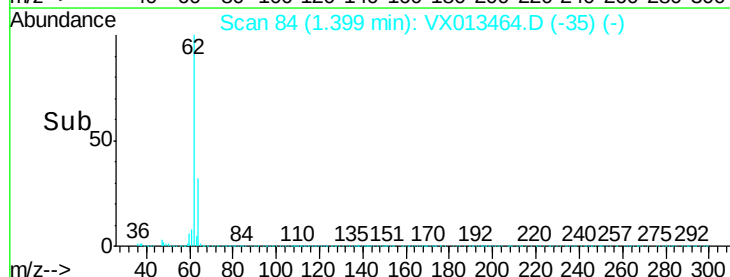
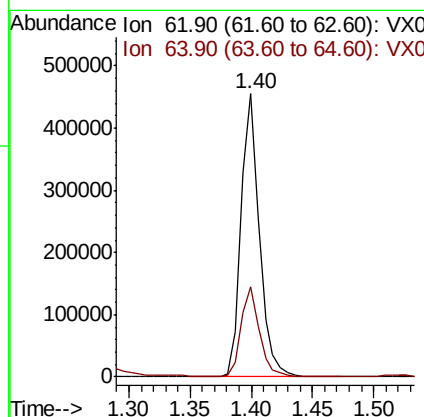
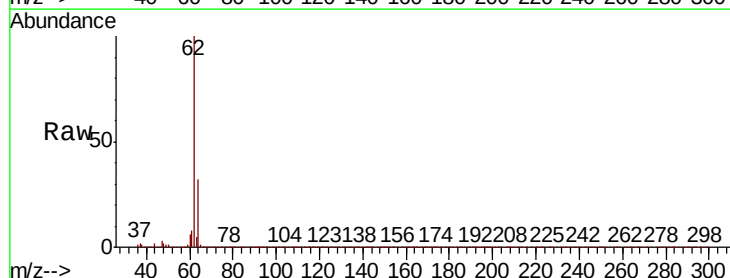
Acq: 19 Nov 2019 15:11

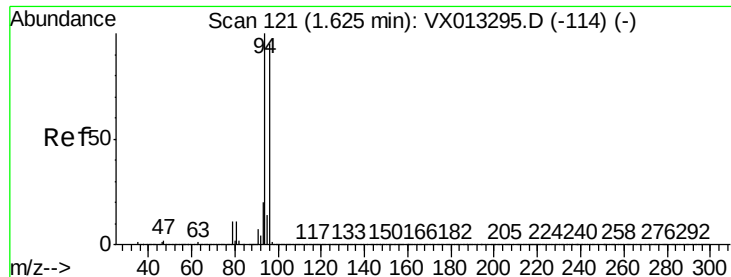
Tgt Ion: 62 Resp: 464440

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





#5

Bromomethane

Concen: 44.266 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

FA19-RFW1147MS

Tot Ion: 94 Resp: 297380

Ion Ratio Lower Upper

94 100

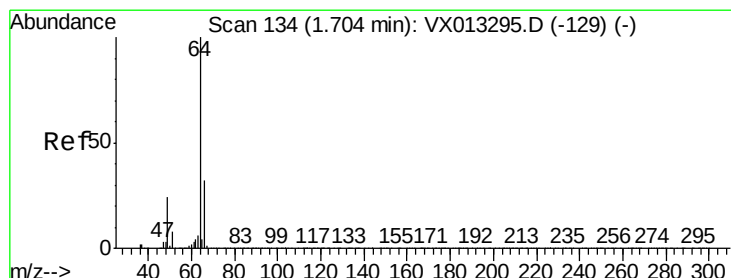
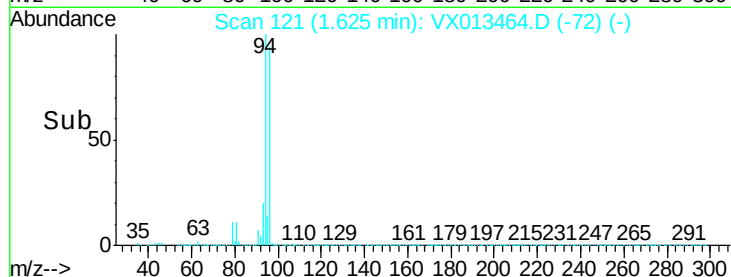
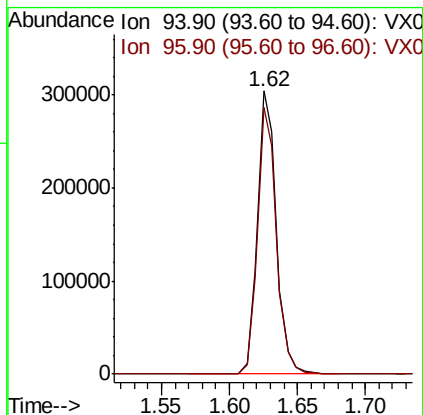
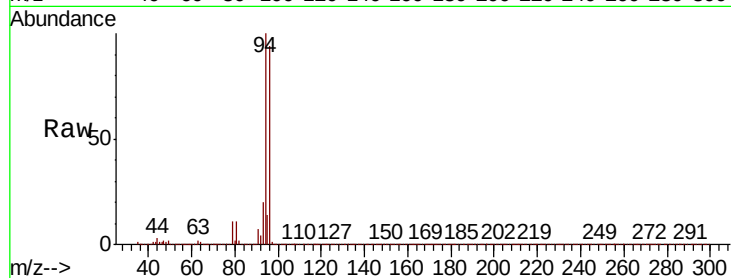
96 94.2 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 45.950 ug/l

RT: 1.70 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX013464.D

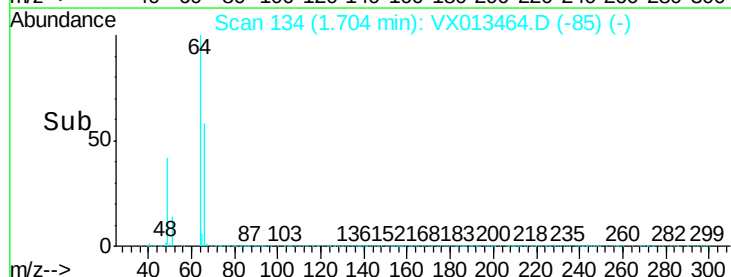
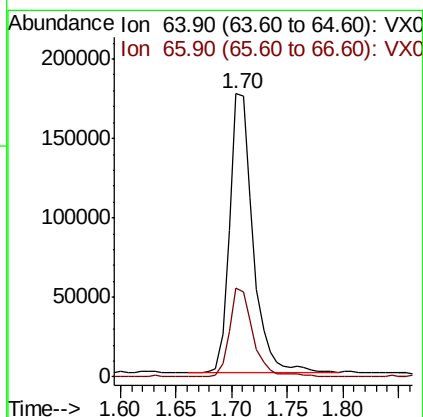
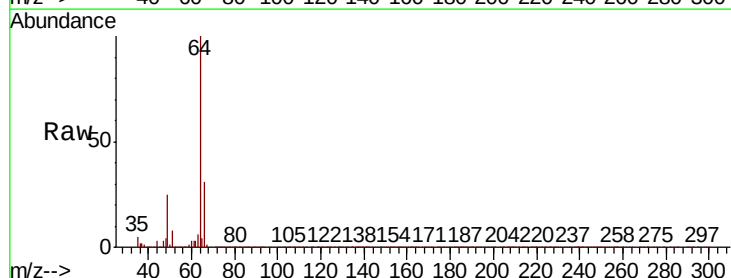
Acq: 19 Nov 2019 15:11

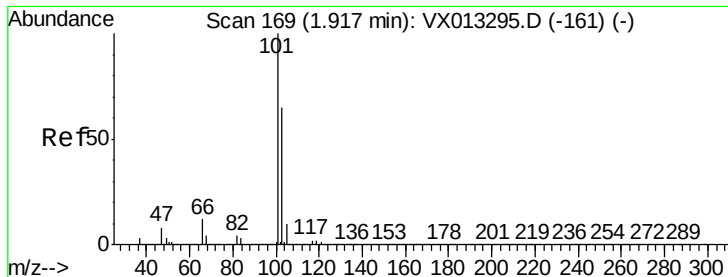
Tgt Ion: 64 Resp: 253746

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4





#7

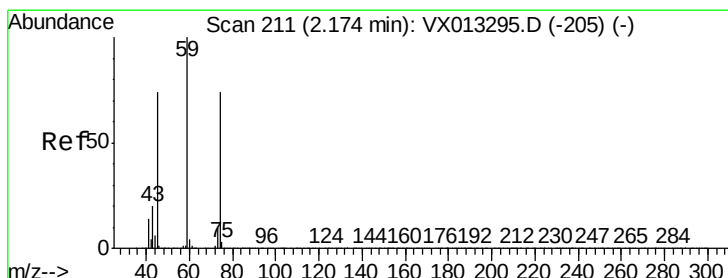
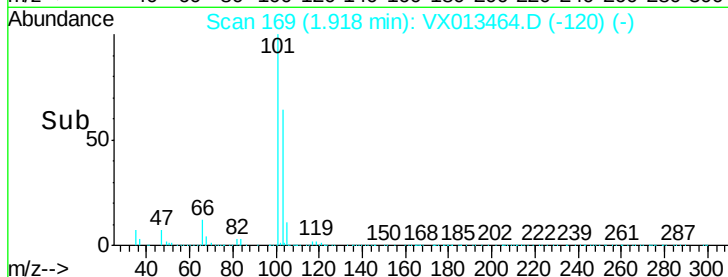
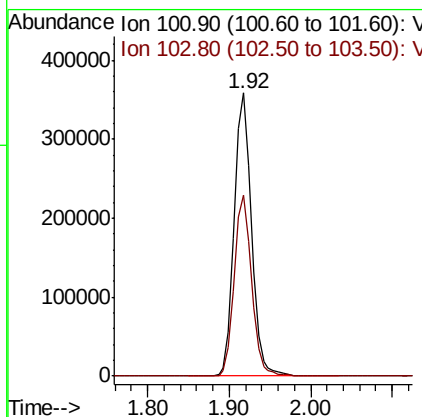
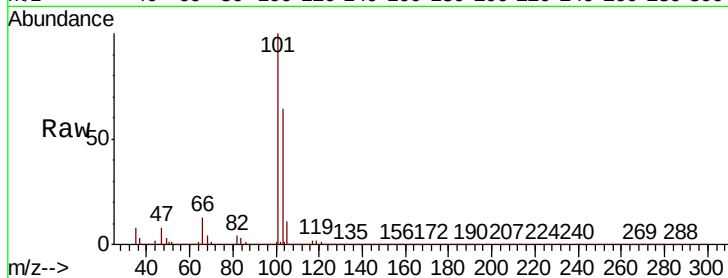
Trichlorofluoromethane
Concen: 45.387 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

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FA19-RFW1147MS

Tot Ion	Ratio	Resp	Lower	Upper
101	100	516931		
103	64.1	52.3	78.5	

Manual Integrations
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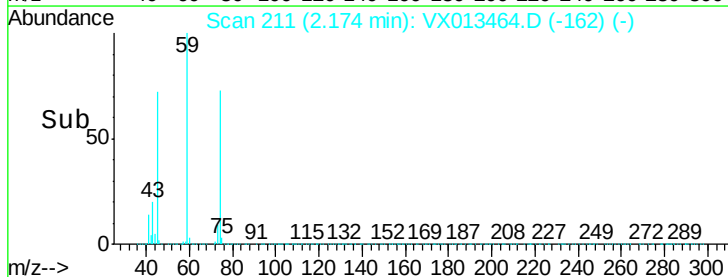
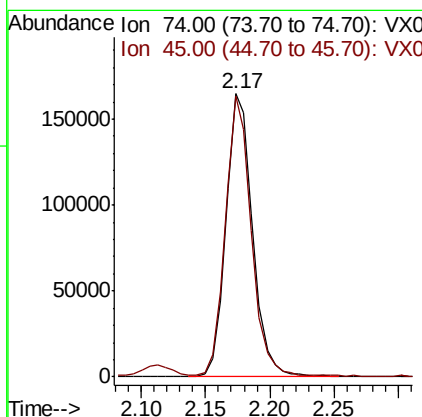
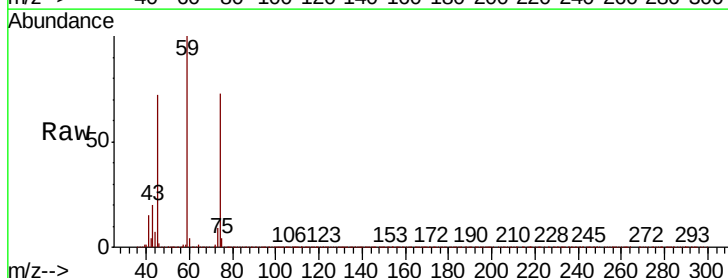
MMDadoda
11/20/2019 9:18:00 AM

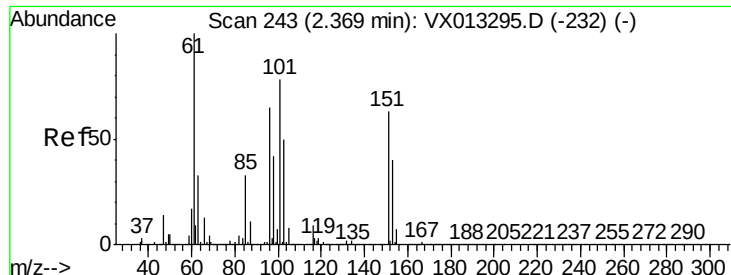


#8

Diethyl Ether
Concen: 47.090 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	237167		
45	96.5	48.5	145.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.735 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

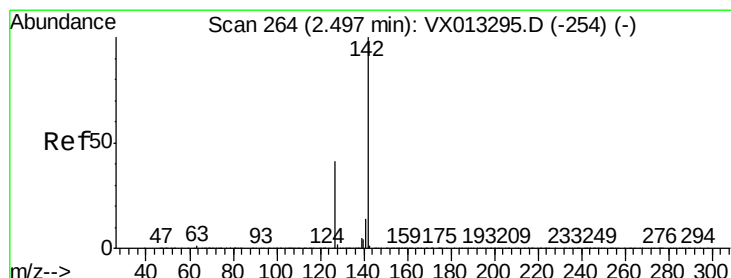
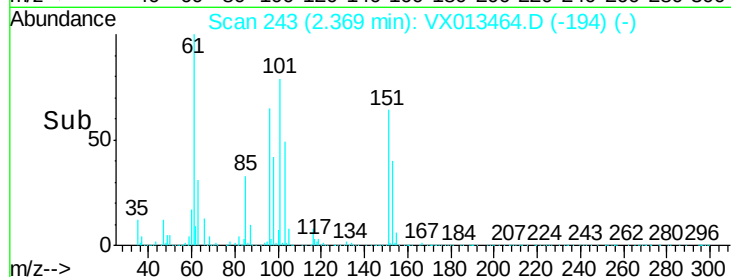
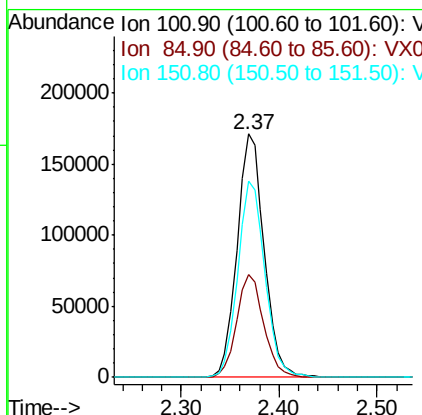
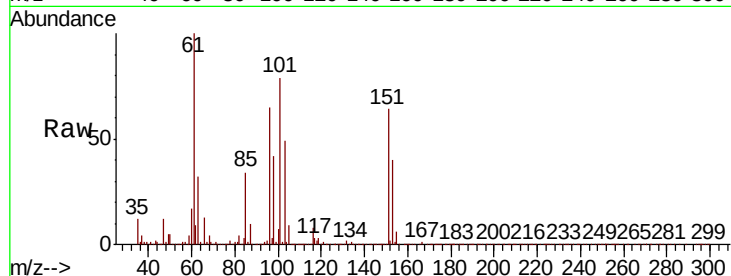
ClientSampleId :

FA19-RFW1147MS

Tot Ion:	101	Resp:	328412
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.4	51.6
151	80.6	66.4	99.6

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#10

Methyl Iodide

Concen: 48.100 ug/l

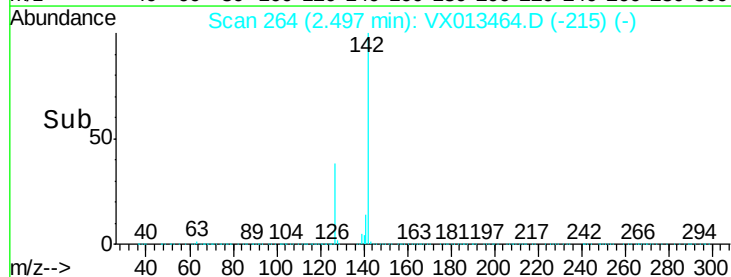
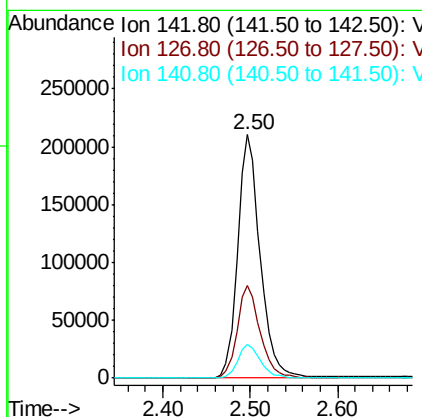
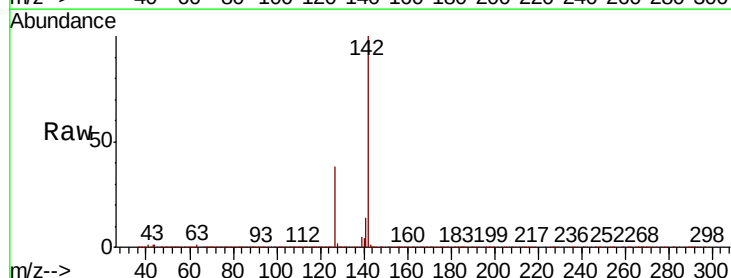
RT: 2.50 min Scan# 264

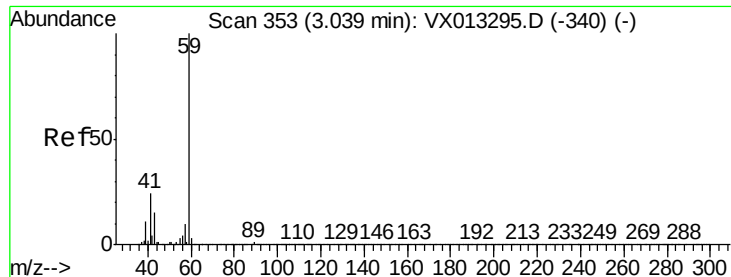
Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Tgt Ion:	142	Resp:	378037
Ion Ratio	Lower	Upper	
142	100		
127	38.9	32.6	49.0
141	13.8	11.6	17.4





#11

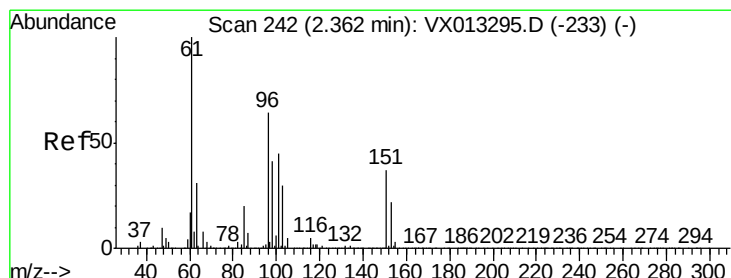
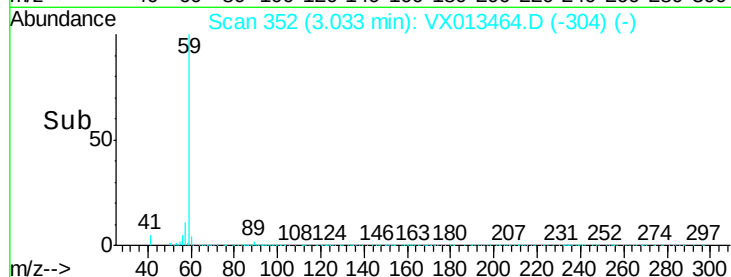
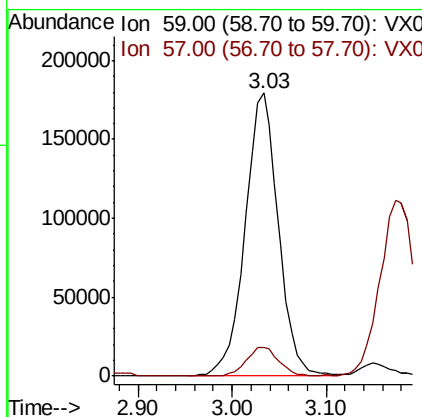
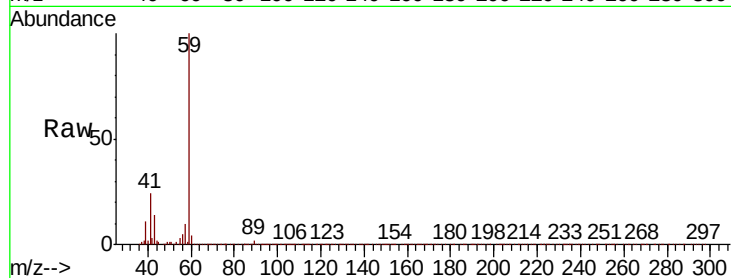
Tert butyl alcohol
Concen: 209.237 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.0	12.0

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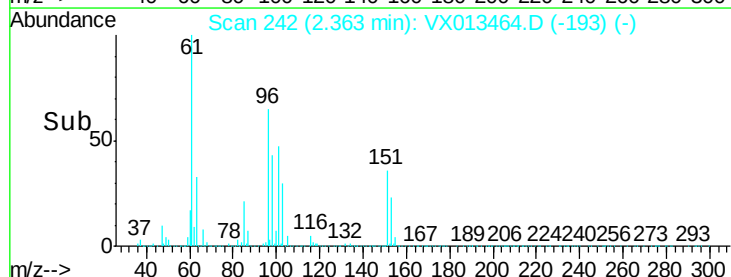
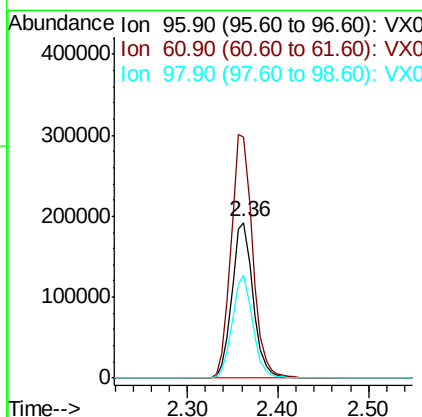
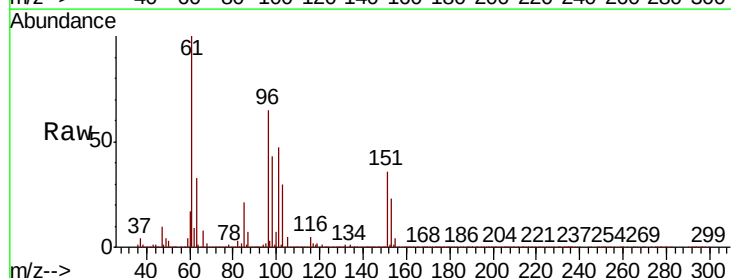
MMDadoda
11/20/2019 9:18:00 AM

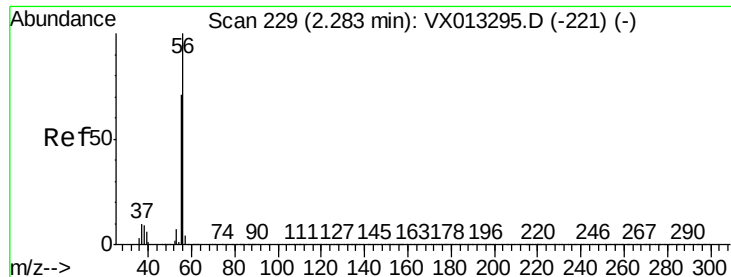


#12

1,1-Dichloroethene
Concen: 49.834 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	125.0	187.6
98	66.1	50.7	76.1





#13

Acrolein

Concen: 243.098 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

FA19-RFW1147MS

Tot Ion: 56 Resp: 278804

Ion Ratio Lower Upper

56 100

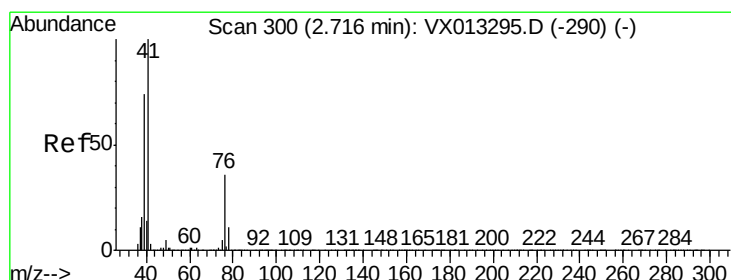
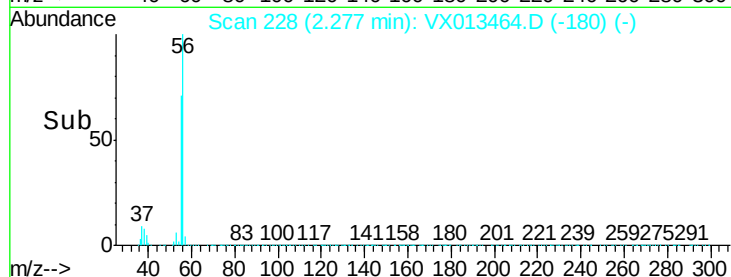
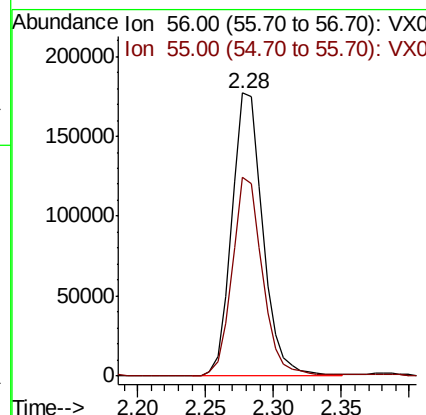
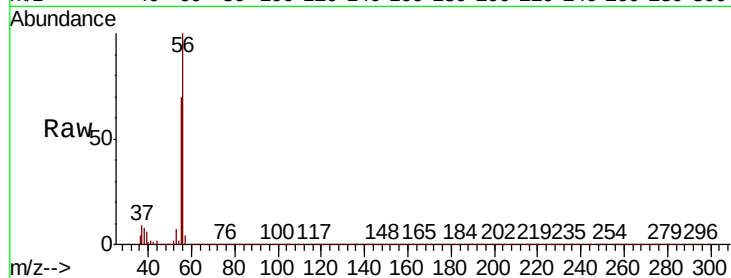
55 68.7 57.4 86.0

Manual Integrations

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#14

Allyl chloride

Concen: 50.901 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

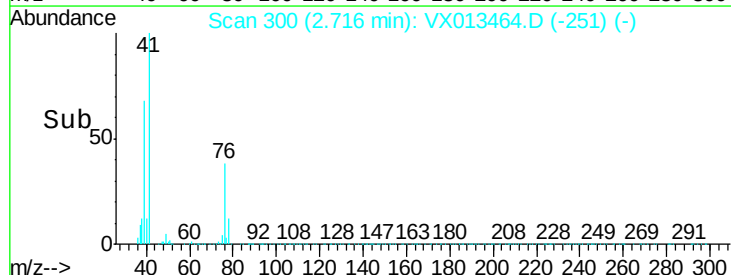
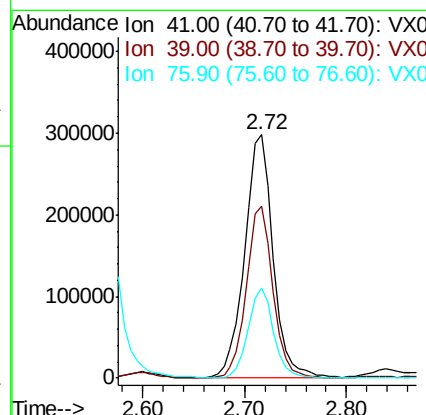
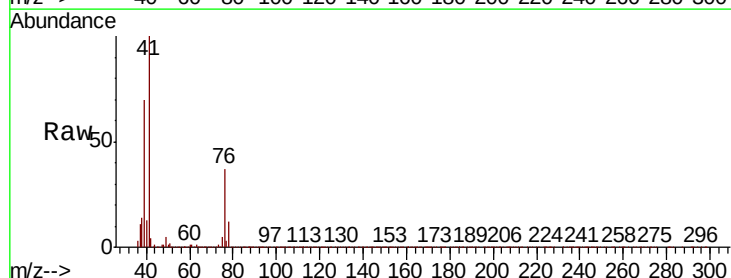
Tgt Ion: 41 Resp: 574930

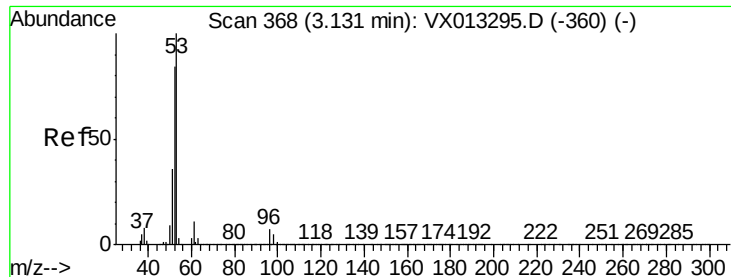
Ion Ratio Lower Upper

41 100

39 66.0 55.8 83.8

76 33.0 26.4 39.6





#15

Acrylonitrile

Concen: 255.871 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

FA19-RFW1147MS

Tot Ion: 53 Resp: 1011417

Ion Ratio Lower Upper

53 100

52 83.2 67.4 101.0

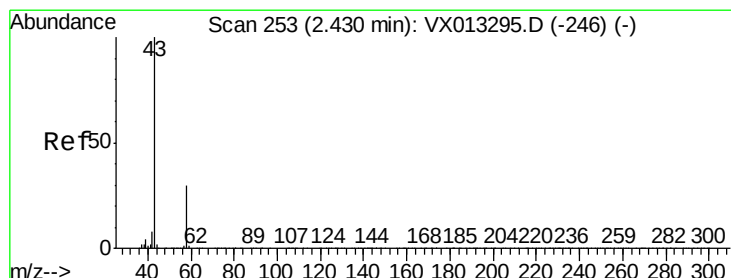
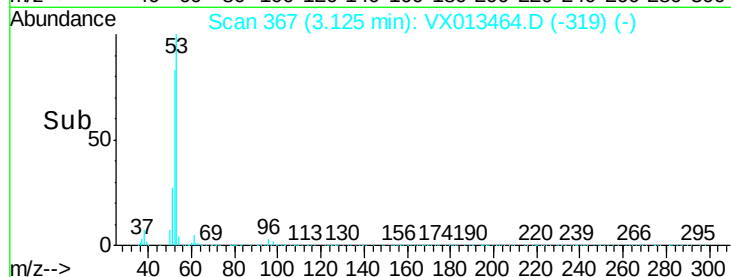
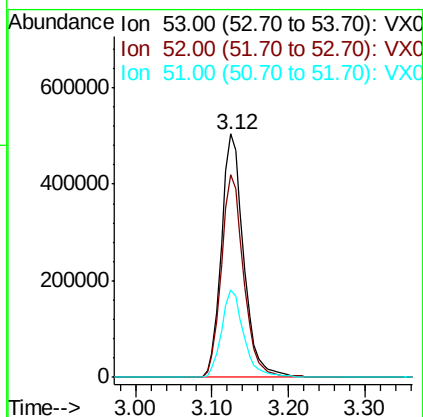
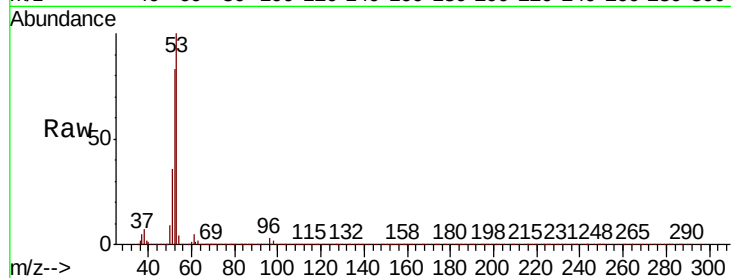
51 36.1 29.4 44.2

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#16

Acetone

Concen: 212.402 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013464.D

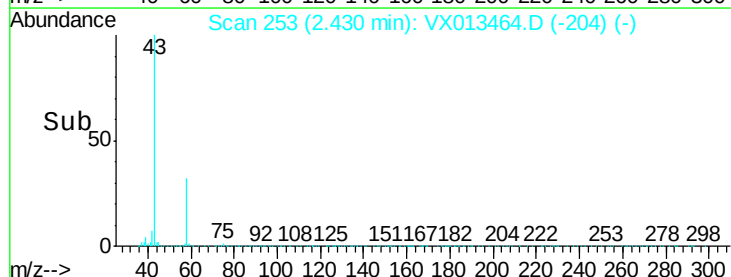
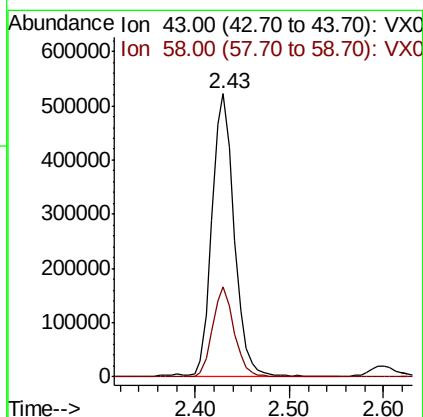
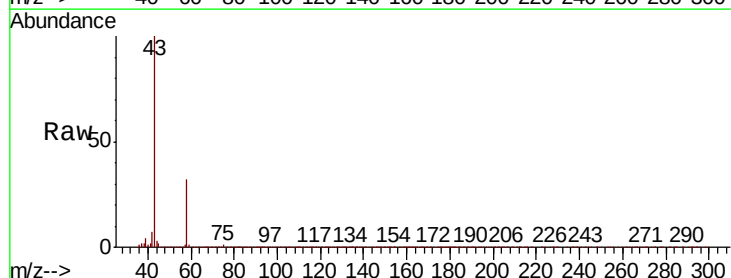
Acq: 19 Nov 2019 15:11

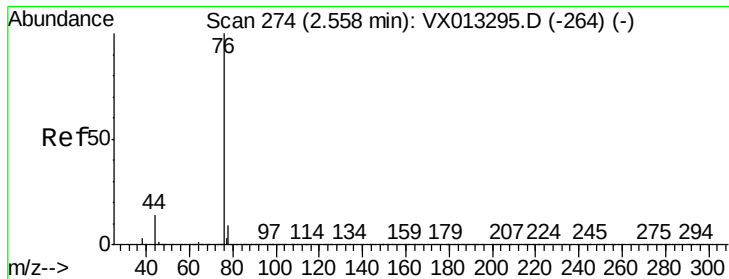
Tgt Ion: 43 Resp: 850587

Ion Ratio Lower Upper

43 100

58 31.6 24.3 36.5





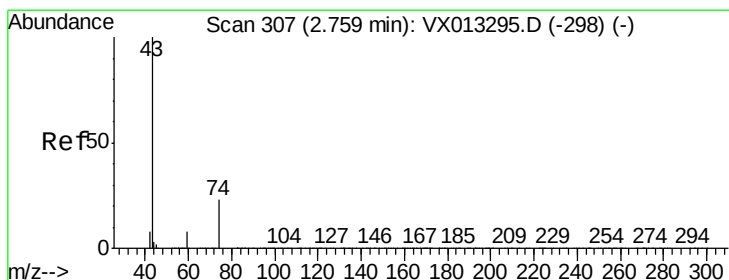
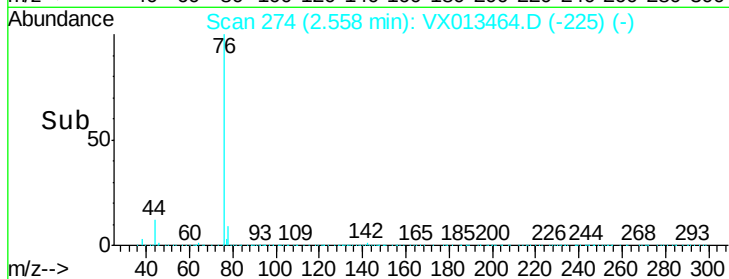
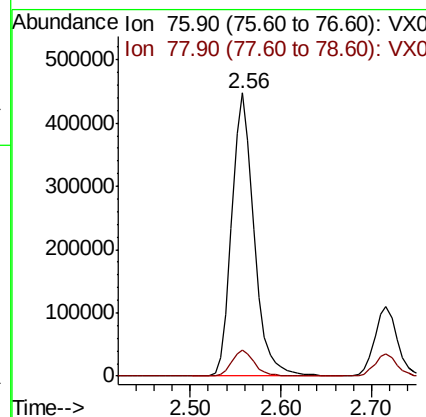
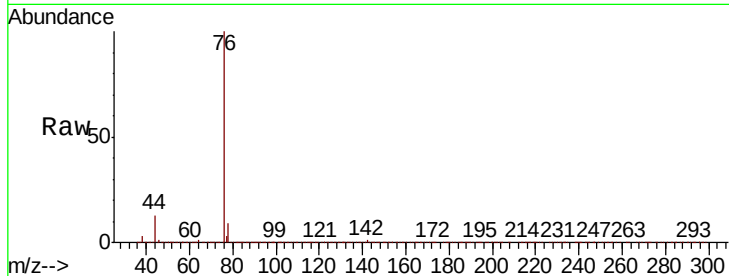
#17
Carbon Disulfide
Concen: 45.928 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

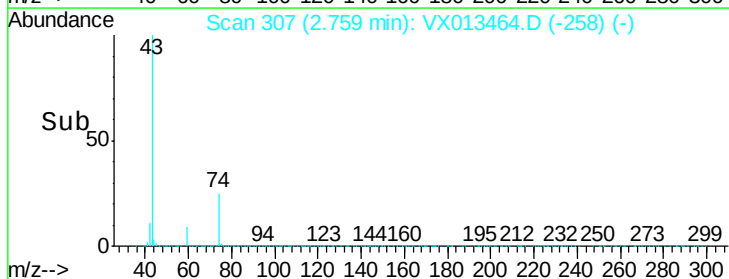
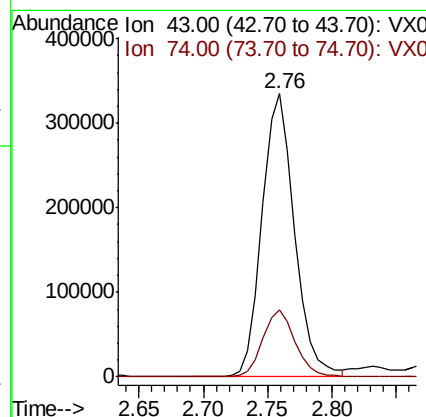
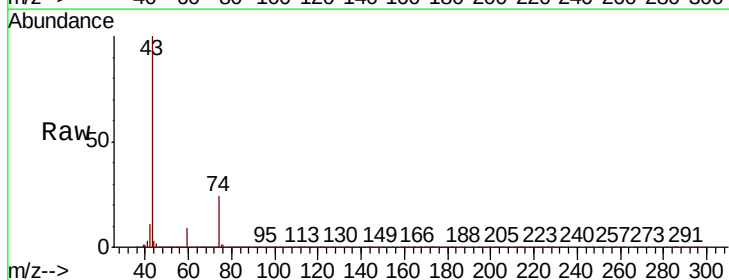
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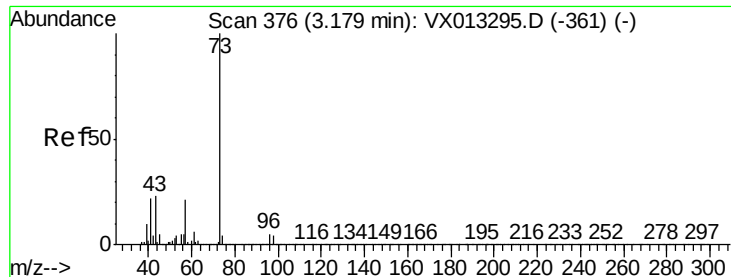
MMDadoda
11/20/2019 9:18:00 AM



#18
Methyl Acetate
Concen: 52.580 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.0	28.6





#19

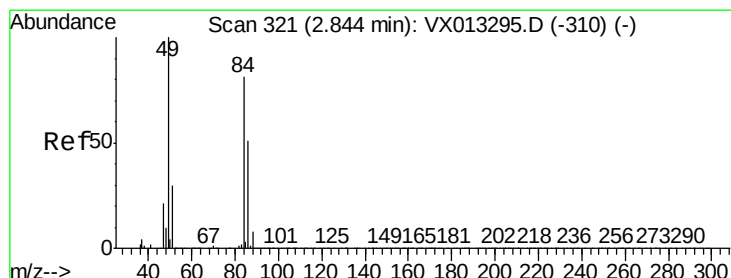
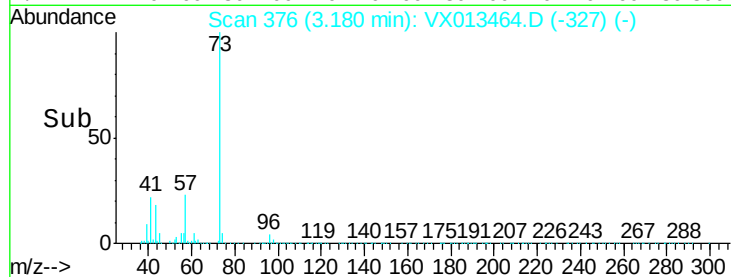
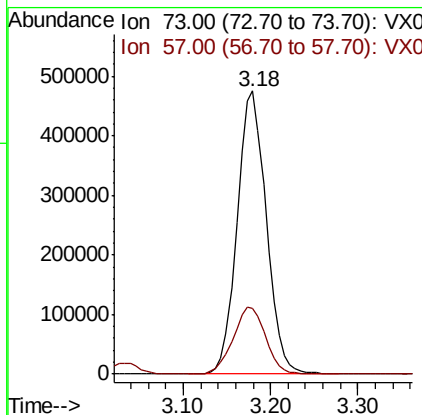
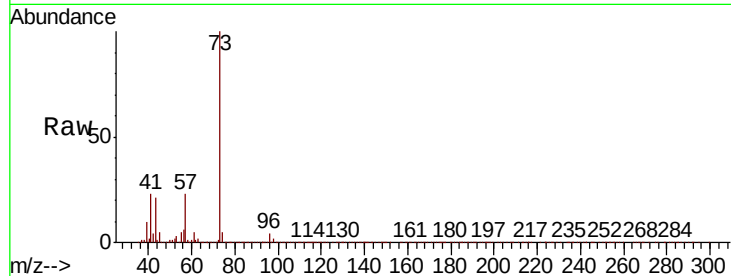
Methyl tert-butyl Ether
 Concen: 52.983 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VX013464.D
 Acq: 19 Nov 2019 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-RFW1147MS

Tot Ion: 73 Resp: 1098527
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.1 25.7

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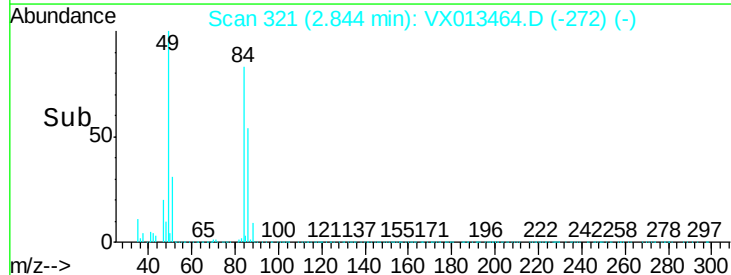
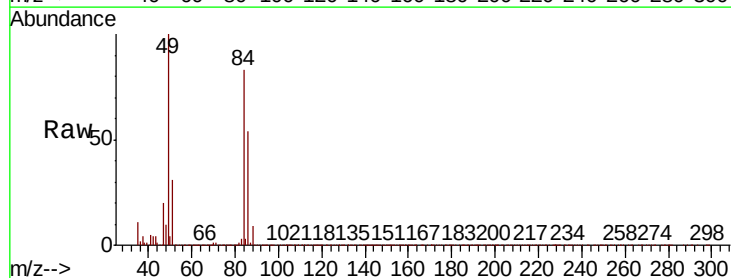
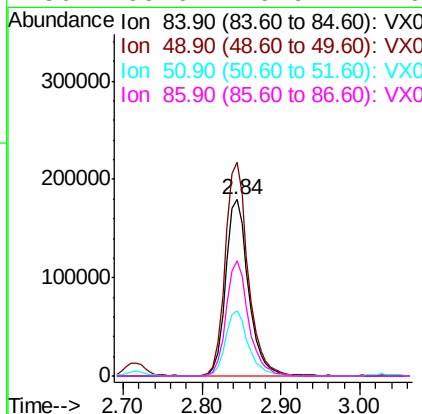
MMDadoda
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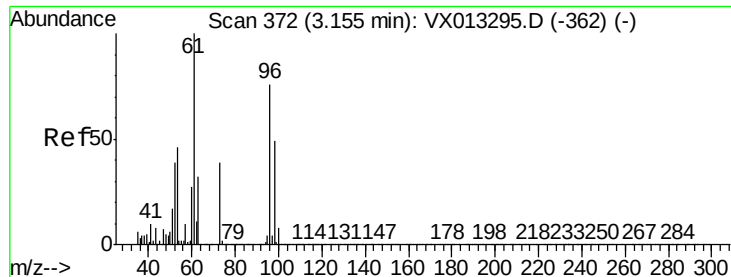


#20

Methylene Chloride
 Concen: 48.696 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX013464.D
 Acq: 19 Nov 2019 15:11

Tgt Ion: 84 Resp: 360303
 Ion Ratio Lower Upper
 84 100
 49 121.0 98.2 147.4
 51 37.0 29.9 44.9
 86 65.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.557 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

FA19-RFW1147MS

Tot Ion: 96 Resp: 335429

Ion Ratio Lower Upper

96 100

61 135.3 105.8 158.6

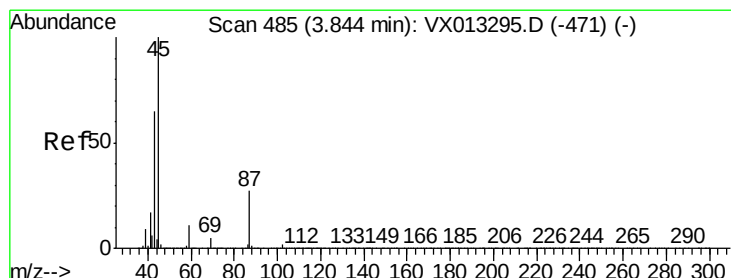
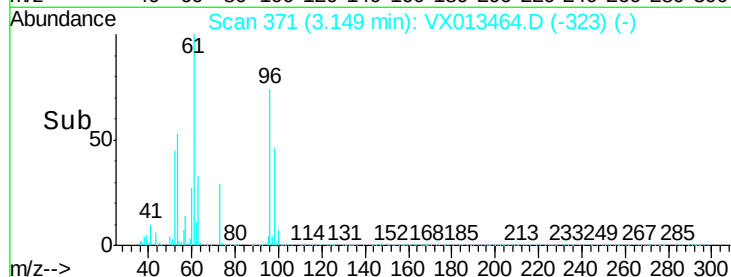
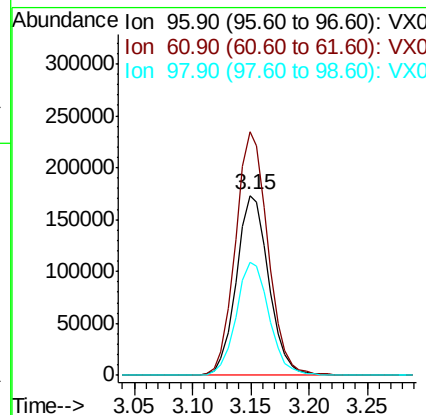
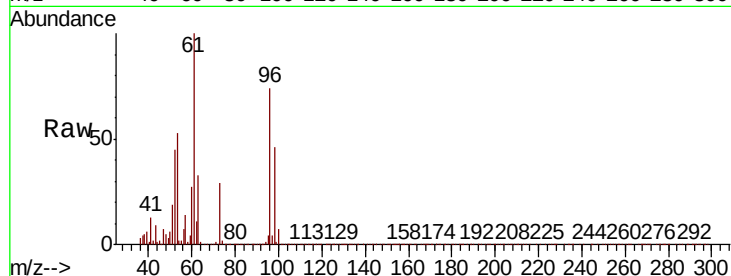
98 62.9 51.8 77.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.764 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Tgt Ion: 45 Resp: 1172386

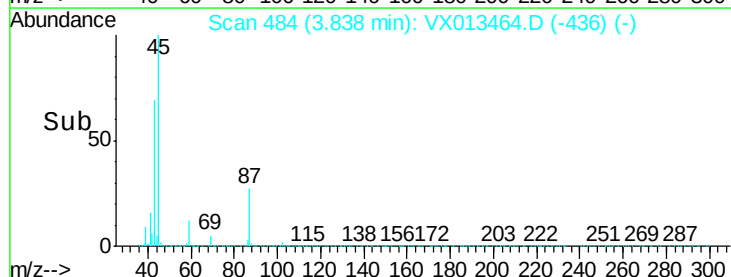
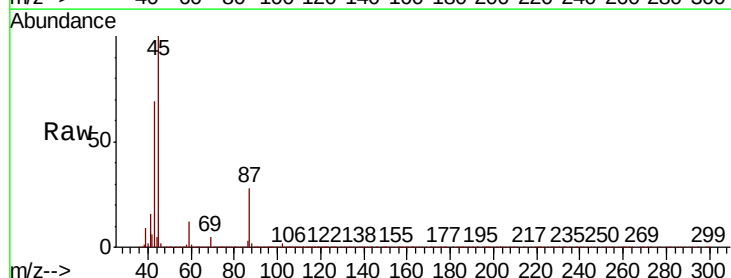
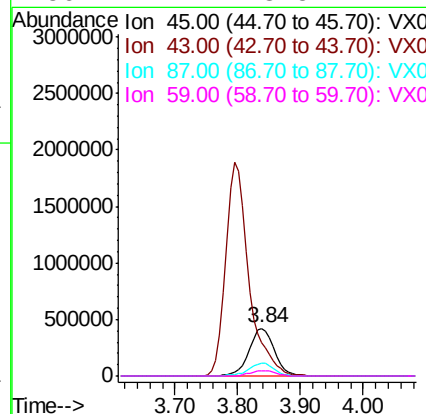
Ion Ratio Lower Upper

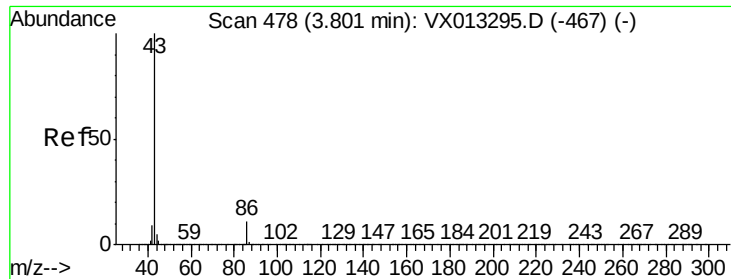
45 100

43 69.2 54.2 81.2

87 27.5 21.8 32.8

59 11.7 8.5 12.7





#23

Vinyl Acetate

Concen: 259.651 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

FA19-RFW1147MS

Tot Ion: 43 Resp: 4844957

Ion Ratio Lower Upper

43 100

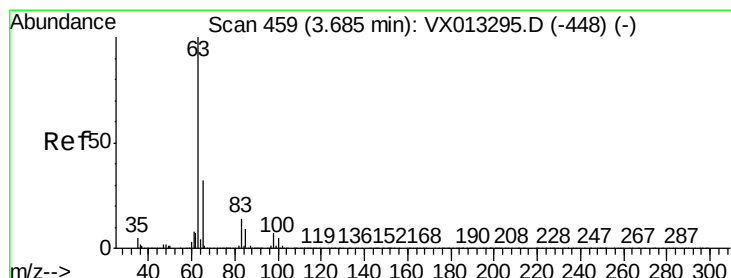
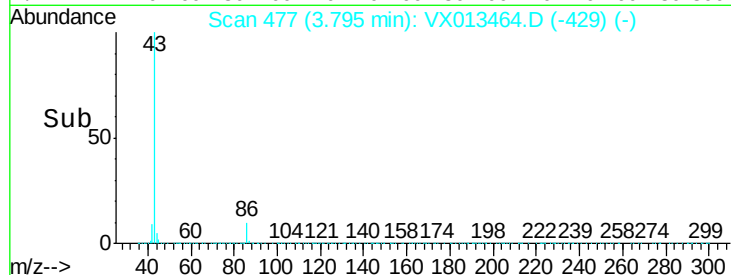
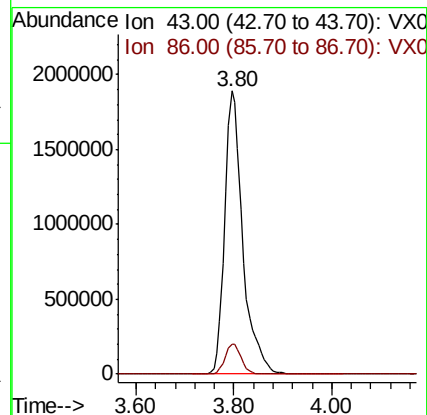
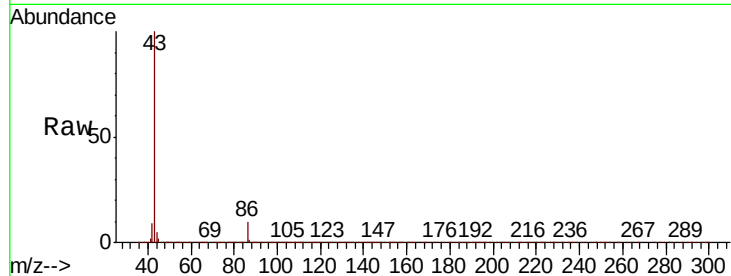
86 10.5 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.345 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

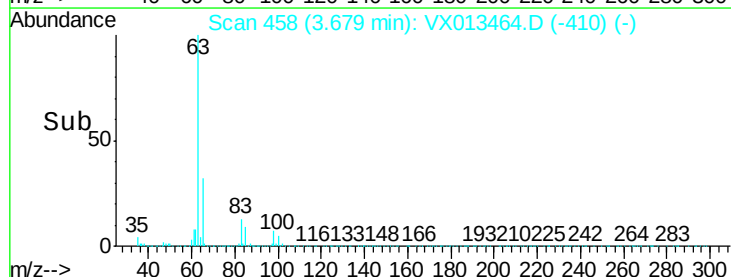
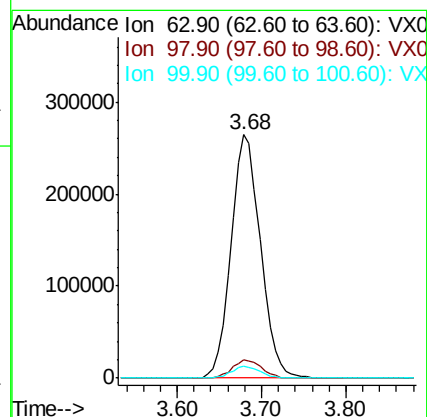
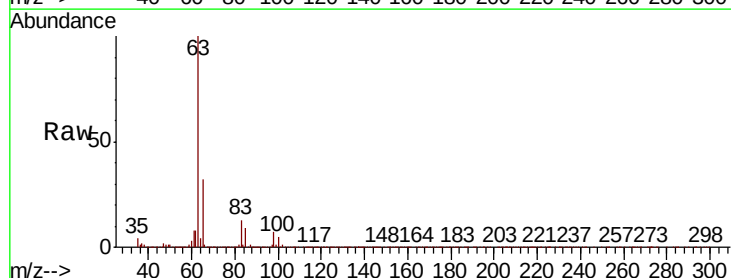
Tgt Ion: 63 Resp: 626338

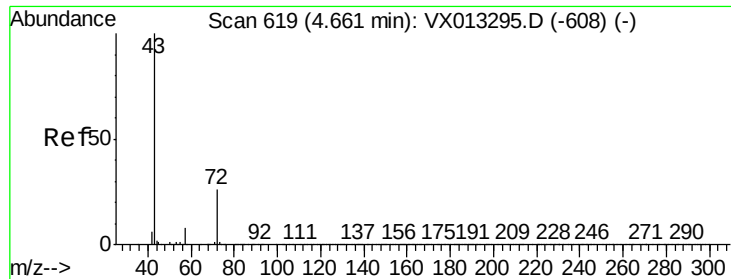
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 240.037 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

FA19-RFW1147MS

Tot Ion: 43 Resp: 1410174

Ion Ratio Lower Upper

43 100

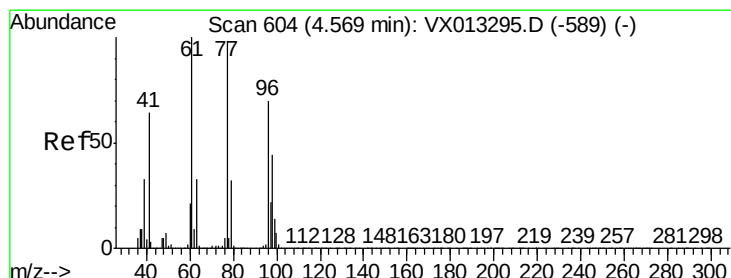
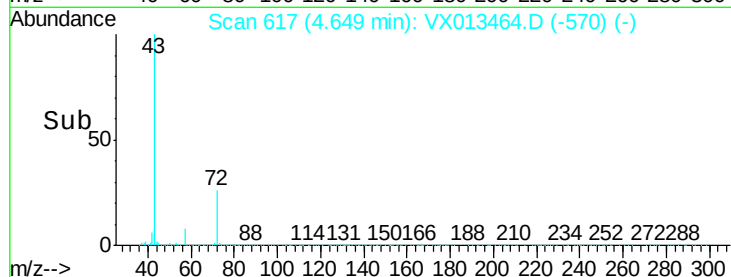
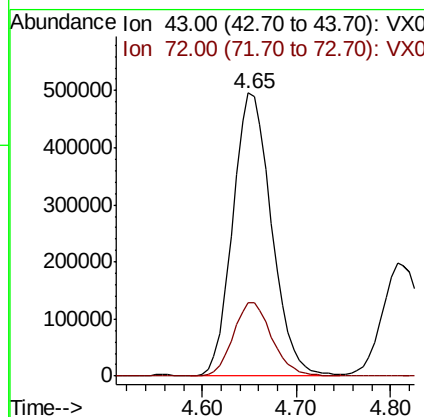
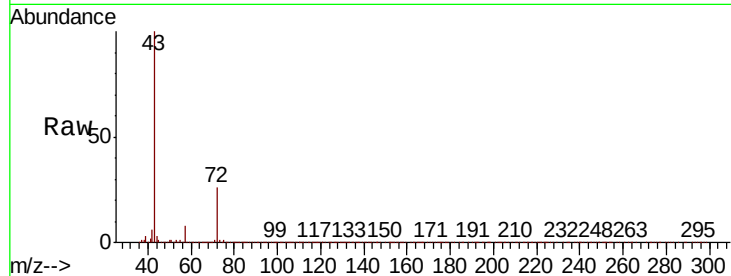
72 25.7 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 54.593 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX013464.D

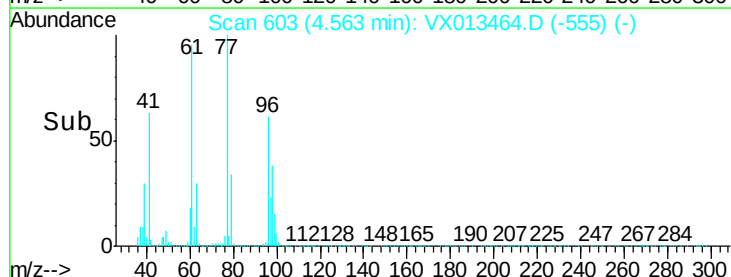
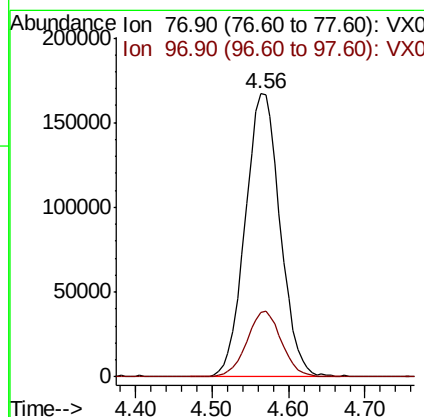
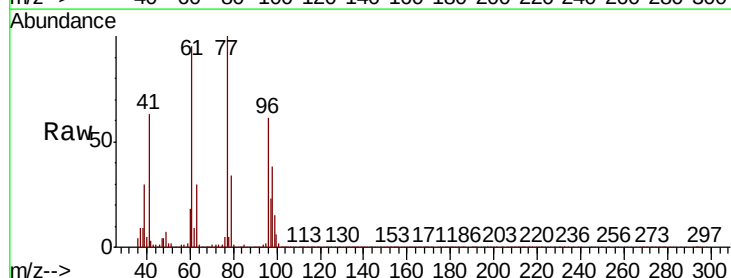
Acq: 19 Nov 2019 15:11

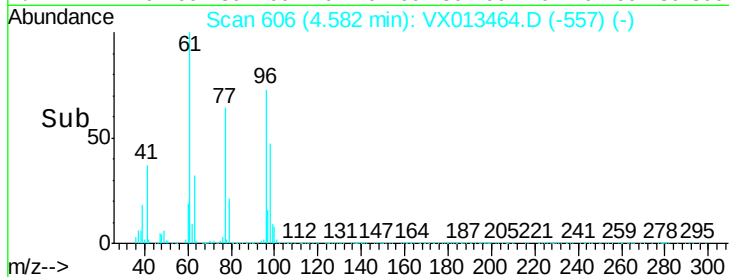
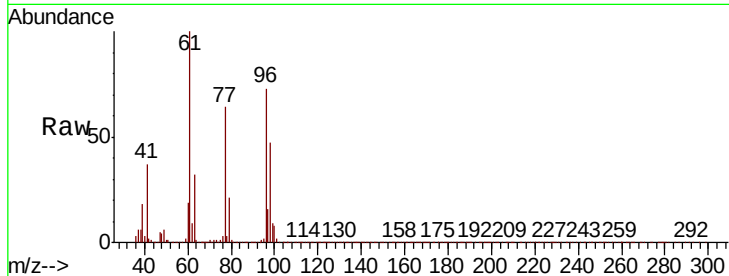
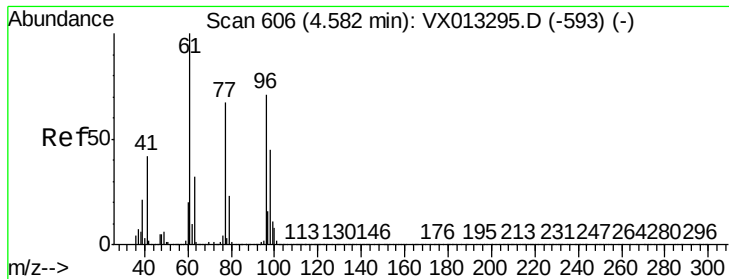
Tgt Ion: 77 Resp: 529785

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.8





#27

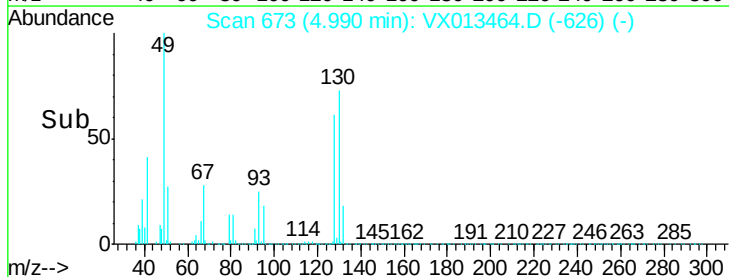
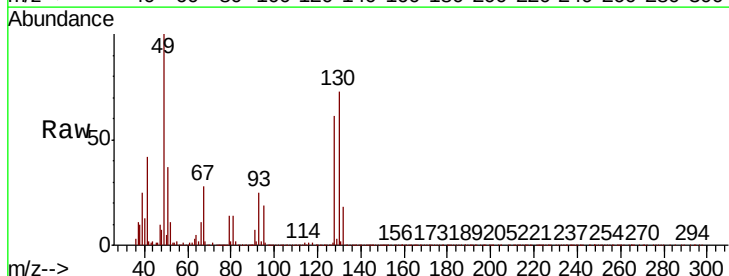
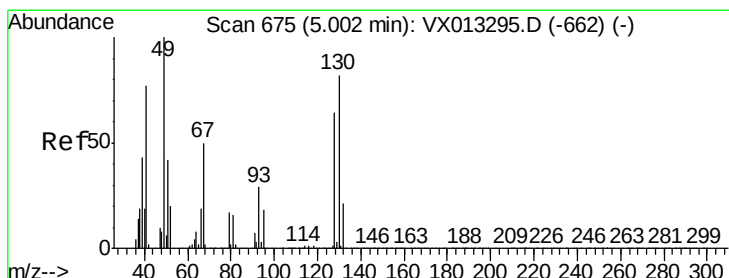
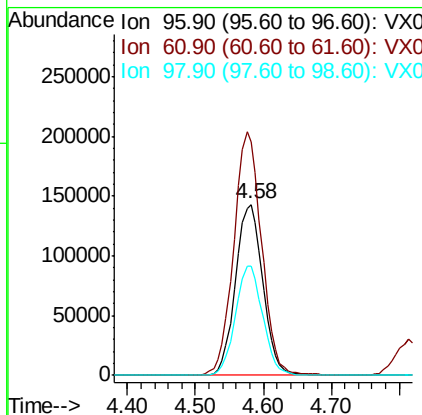
cis-1,2-Dichloroethene
Concen: 52.628 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tot Ion	Ratio	Resp	Lower	Upper
96	100	399036		
61	144.1	0.0	288.0	
98	63.3	0.0	129.6	

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Manual Integrations
APPROVED

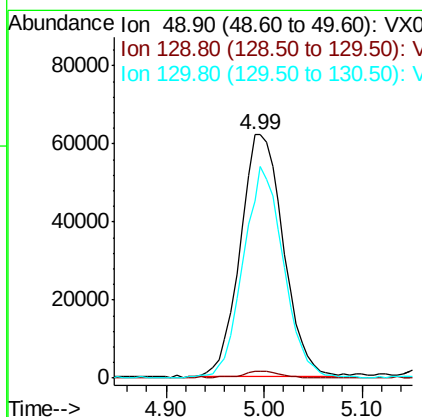
MMDadoda
11/20/2019 9:18:00 AM

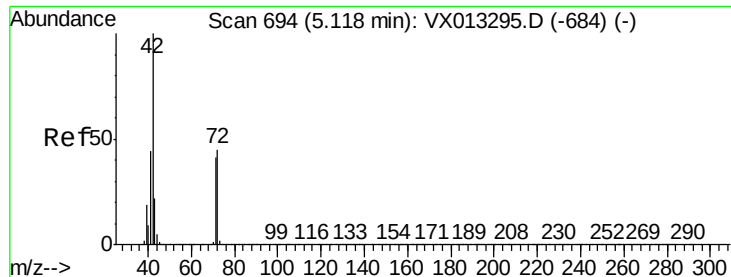


#28

Bromochloromethane
Concen: 55.103 ug/l
RT: 4.99 min Scan# 673
Delta R.T. -0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	190854		
129	2.5	0.0	5.2	
130	80.9	63.8	95.6	





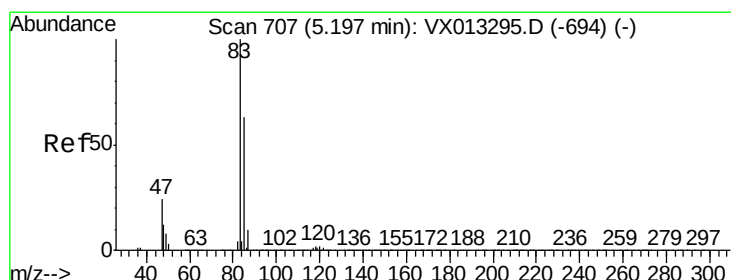
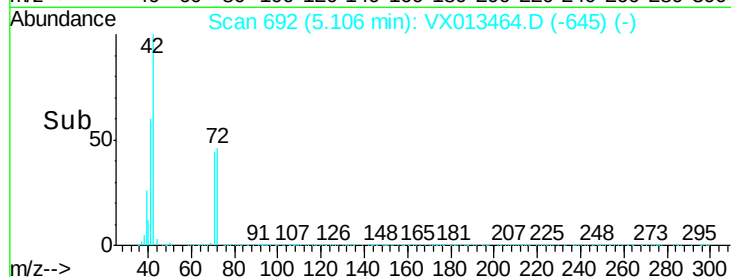
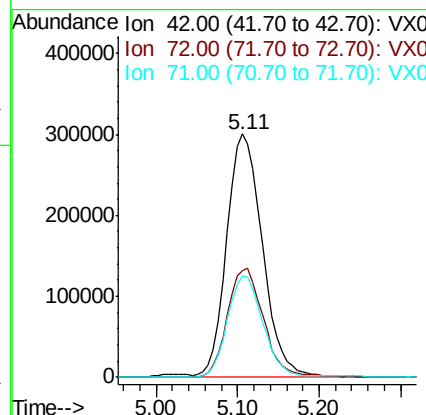
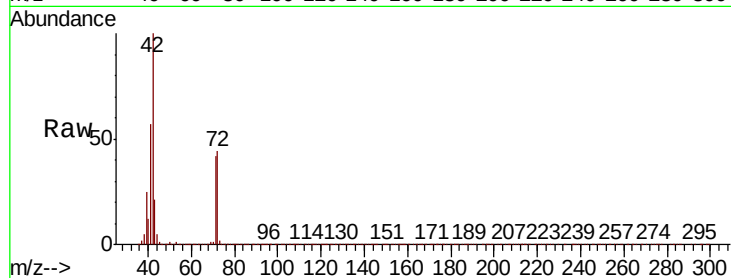
#29
Tetrahydrofuran
Concen: 249.703 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	35.8	53.8
71	41.8	33.4	50.0

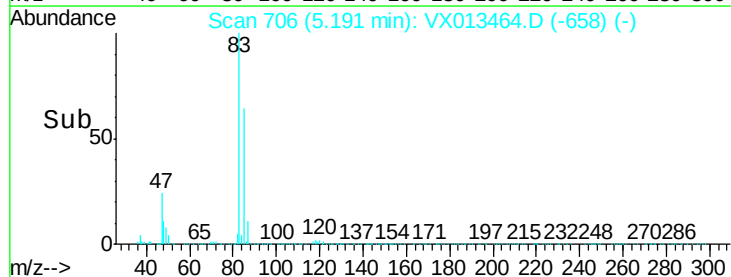
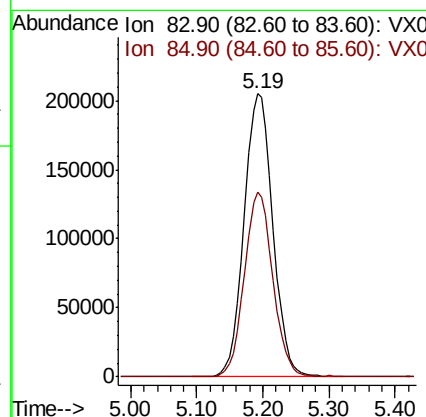
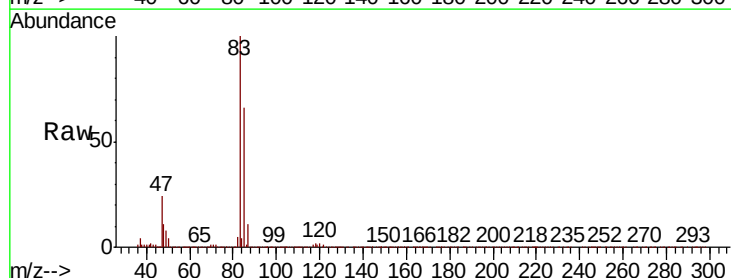
Manual Integrations
APPROVED

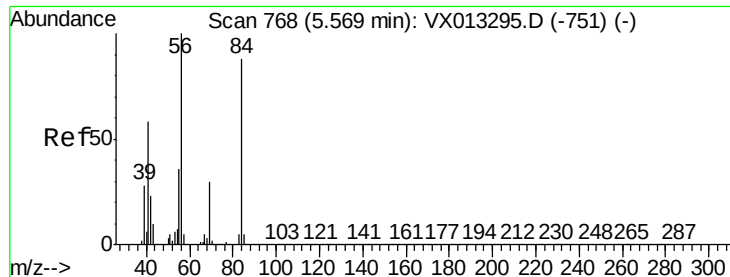
MMDadoda
11/20/2019 9:18:00 AM



#30
Chloroform
Concen: 51.436 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.2	75.4





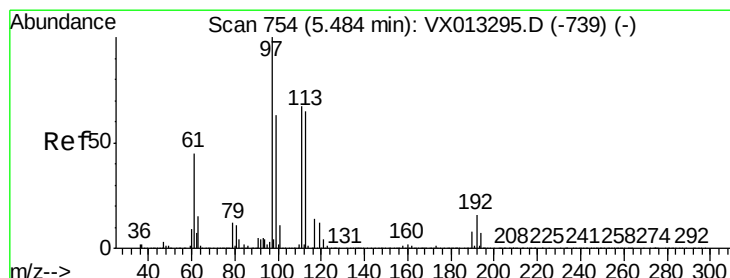
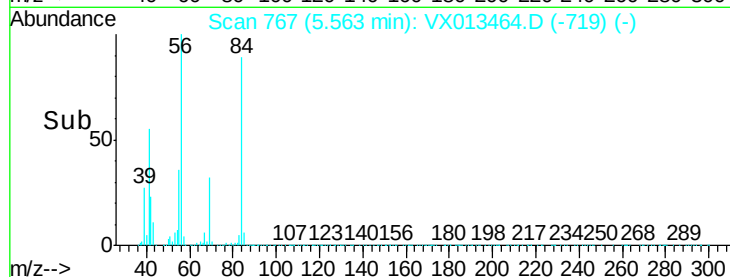
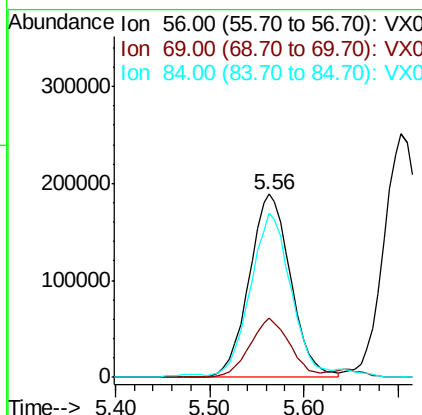
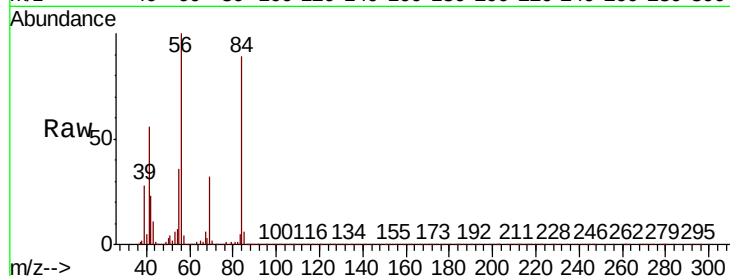
#31
Cyclohexane
Concen: 52.987 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	23.7	35.5
84	87.9	70.6	105.8

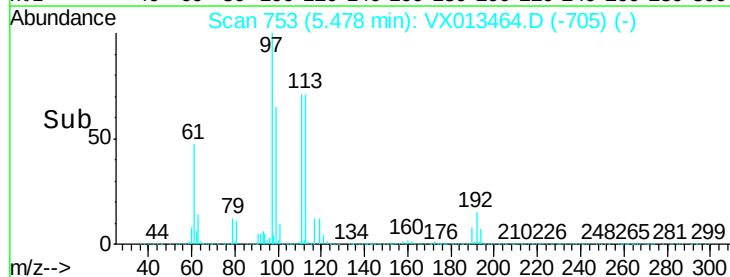
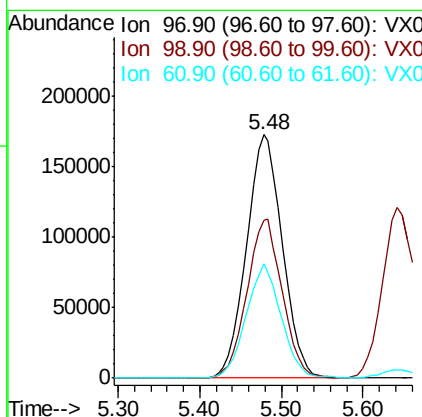
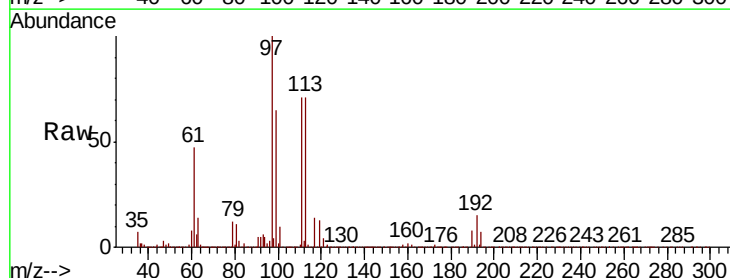
Manual Integrations
APPROVED

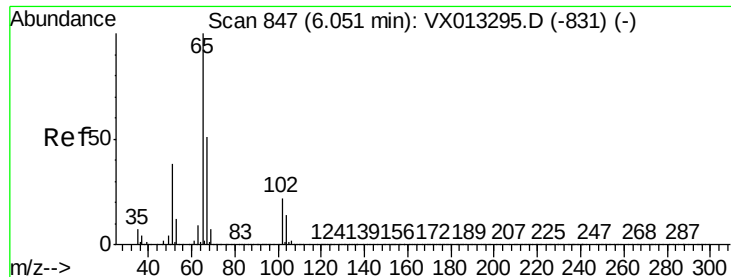
MMDadoda
11/20/2019 9:18:00 AM



#32
1,1,1-Trichloroethane
Concen: 50.815 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	45.4	36.5	54.7





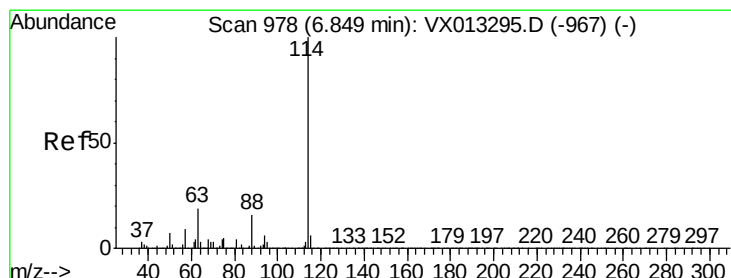
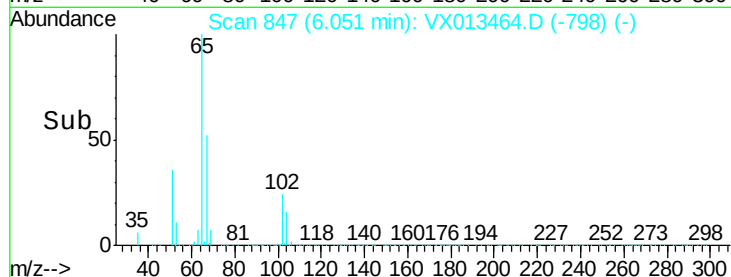
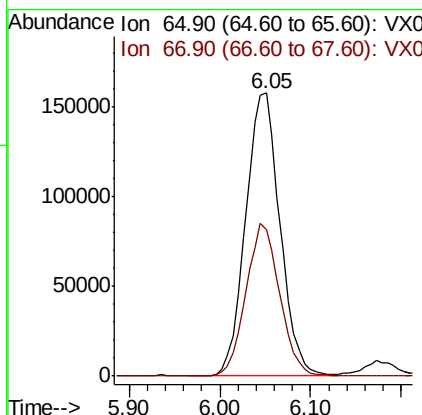
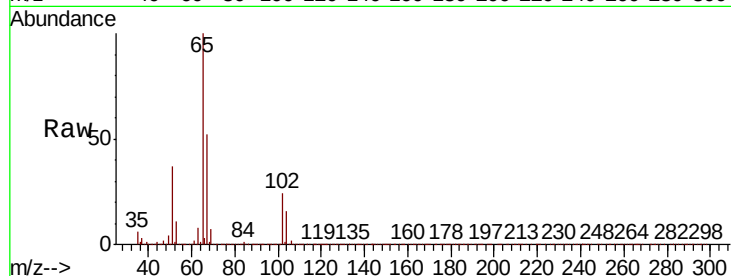
#33
 1,2-Dichloroethane-d4
 Concen: 51.350 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013464.D
 Acq: 19 Nov 2019 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.2

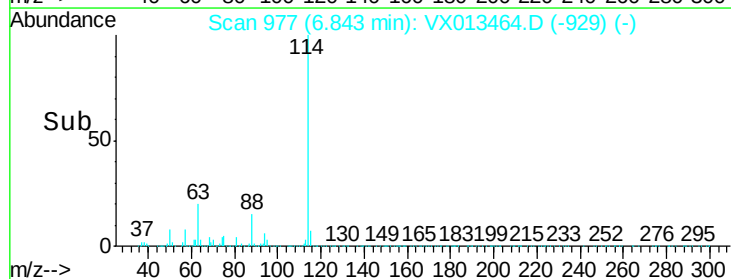
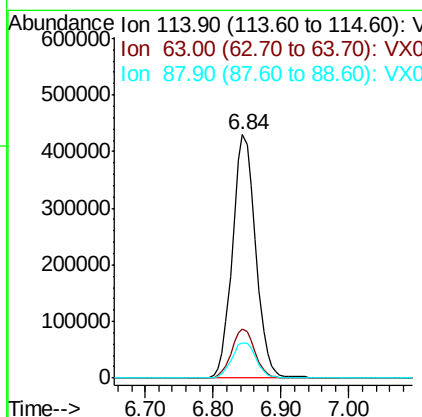
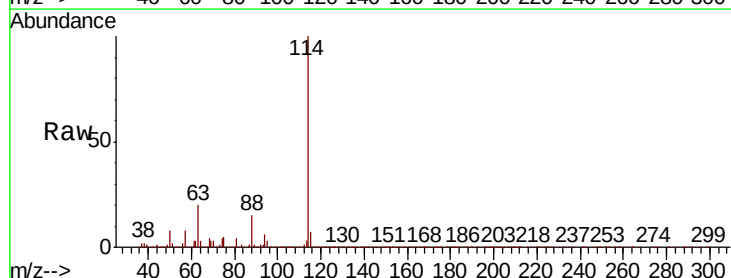
Manual Integrations
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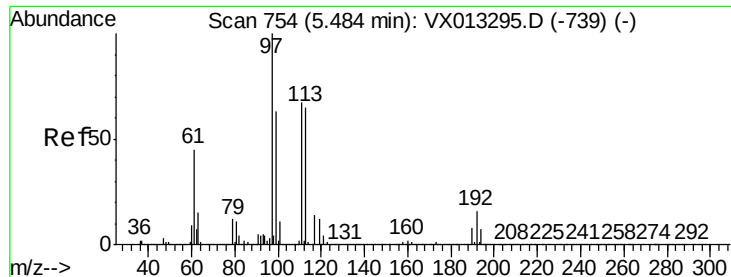
MMDadoda
 11/20/2019 9:18:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX013464.D
 Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	38.4
88	14.6	0.0	32.2





#35

Dibromofluoromethane

Concen: 54.580 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

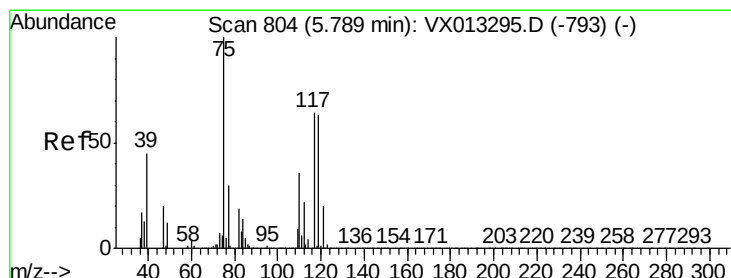
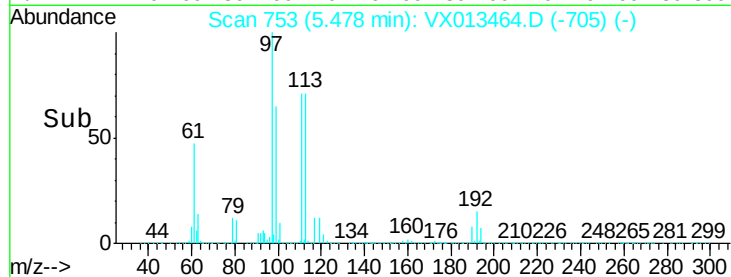
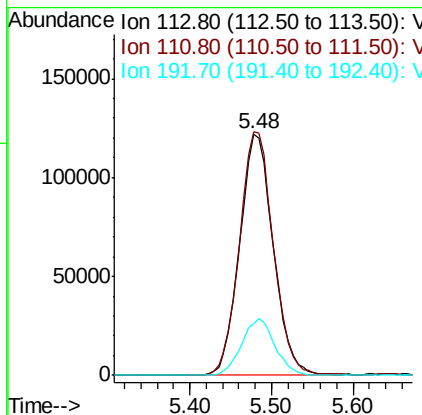
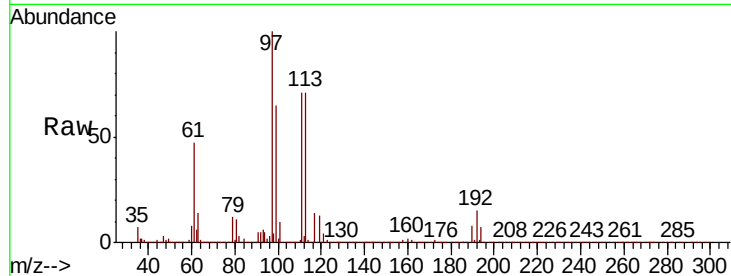
ClientSampleId :

FA19-RFW1147MS

Tot Ion:	113	Resp:	348896
Ion Ratio	Lower	Upper	
113	100		
111	101.9	81.9	122.9
192	23.4	19.1	28.7

Manual Integrations
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11/20/2019 9:18:00 AM



#36

1,1-Dichloropropene

Concen: 52.719 ug/l

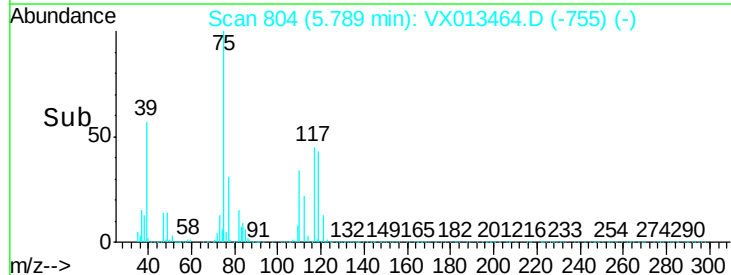
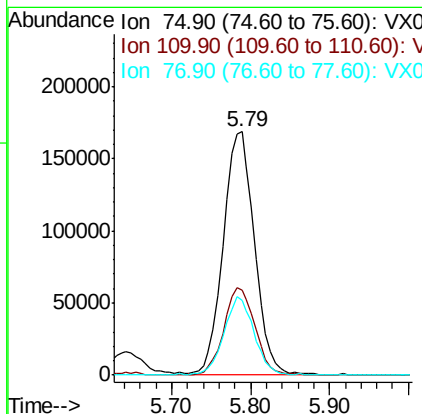
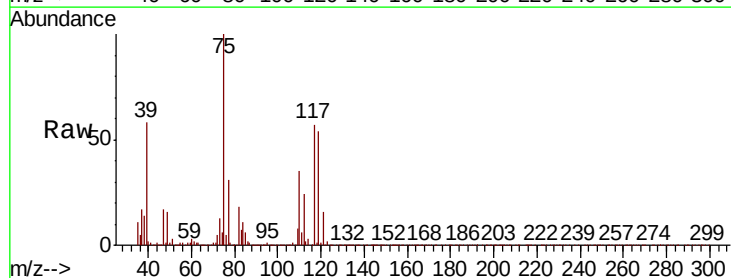
RT: 5.79 min Scan# 804

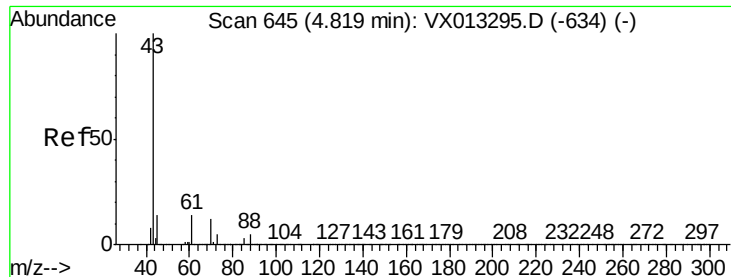
Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Tgt Ion:	75	Resp:	460937
Ion Ratio	Lower	Upper	
75	100		
110	35.9	18.1	54.1
77	30.4	25.0	37.4





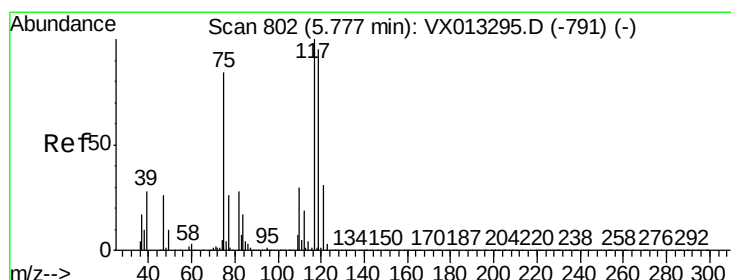
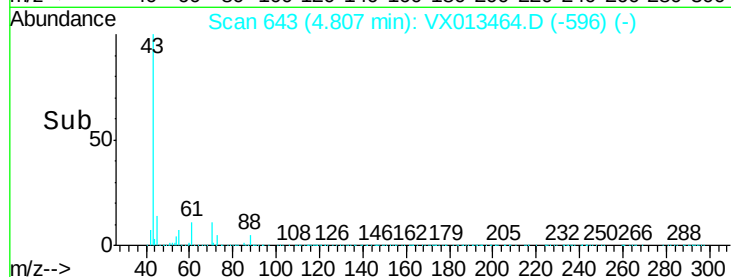
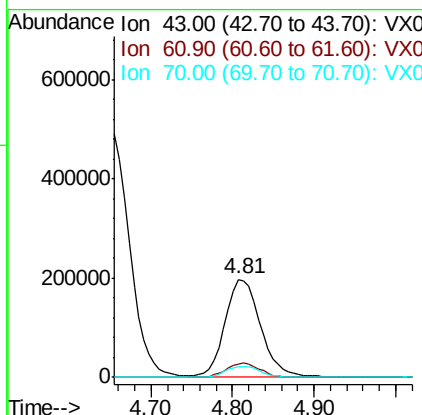
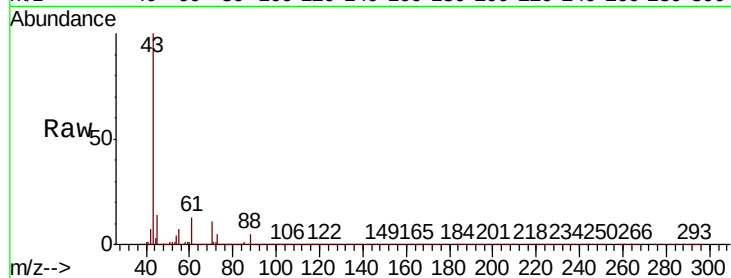
#37
Ethyl Acetate
Concen: 54.376 ug/l
RT: 4.81 min Scan# 643
Delta R.T. -0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	11.0	8.7	13.1

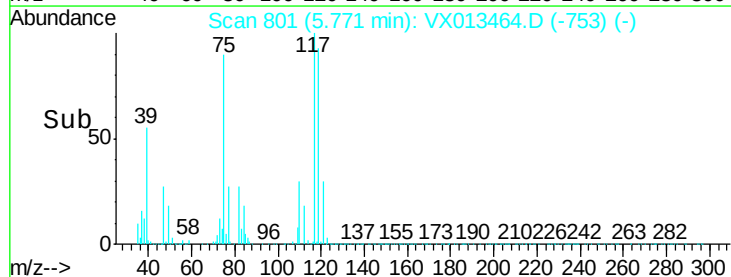
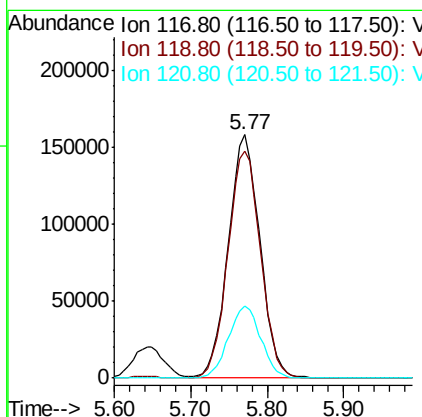
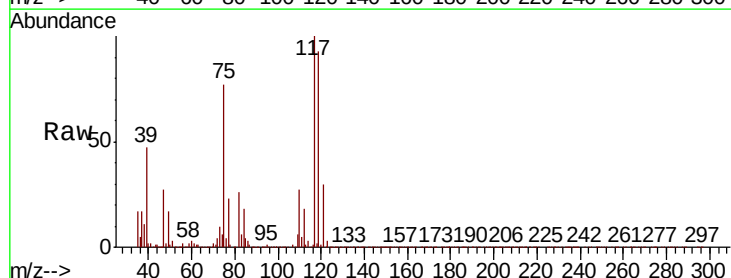
Manual Integrations
APPROVED

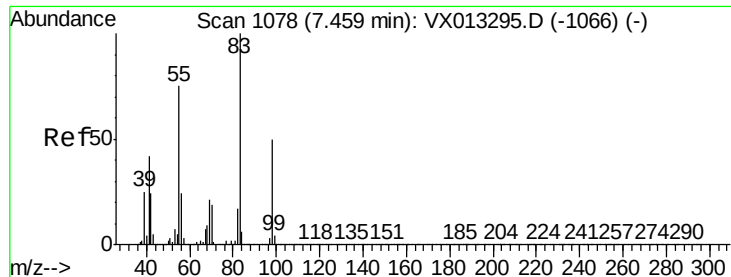
MMDadoda
11/20/2019 9:18:00 AM



#38
Carbon Tetrachloride
Concen: 52.583 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.1	114.1
121	29.6	24.6	37.0





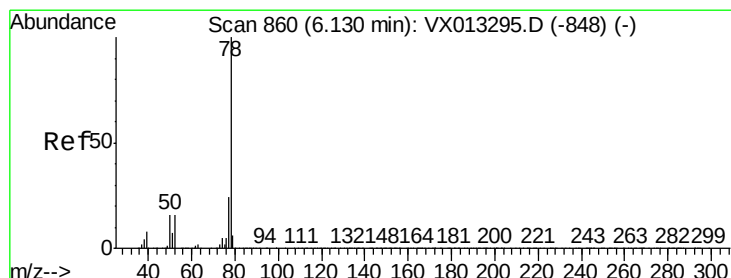
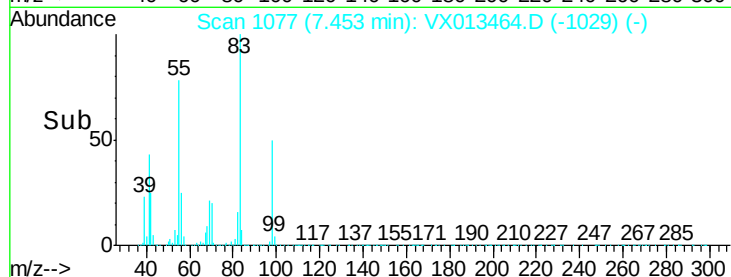
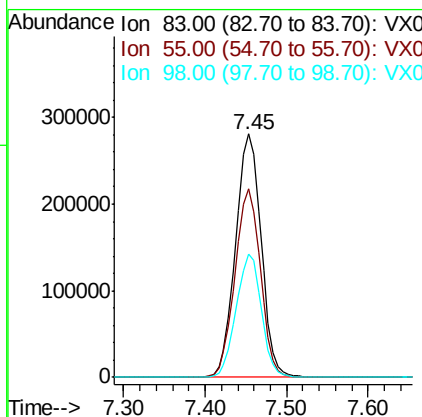
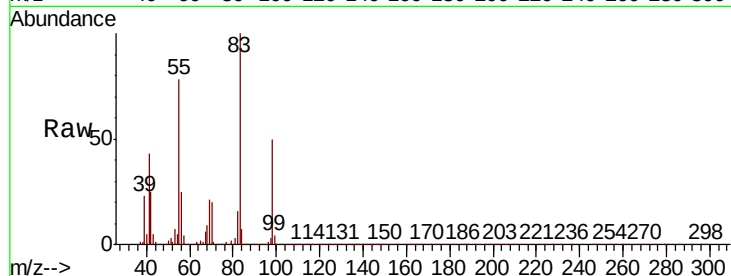
#39
Methylvlcyclohexane
Concen: 55.593 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	60.3	90.5
98	50.4	40.3	60.5

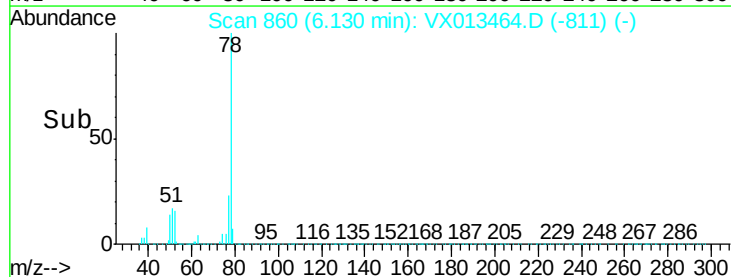
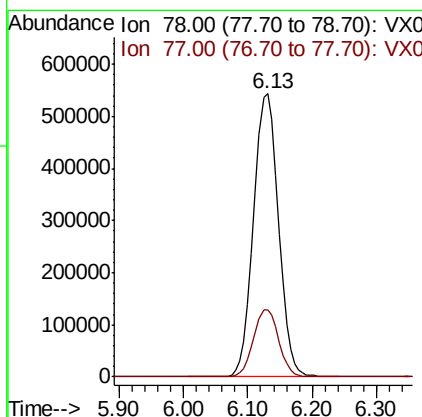
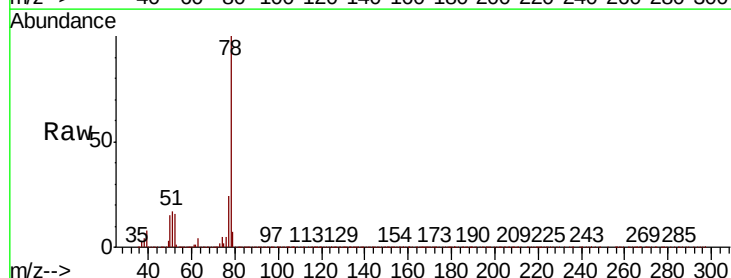
Manual Integrations
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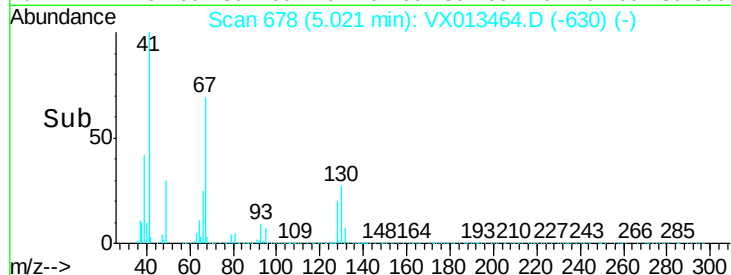
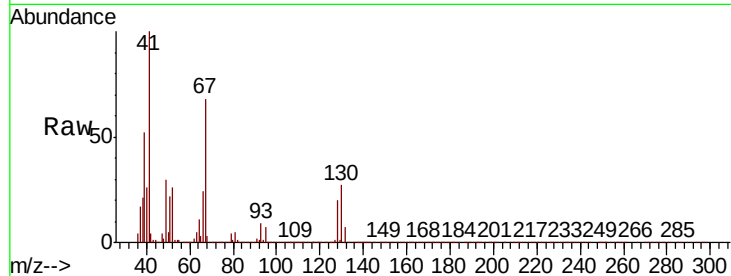
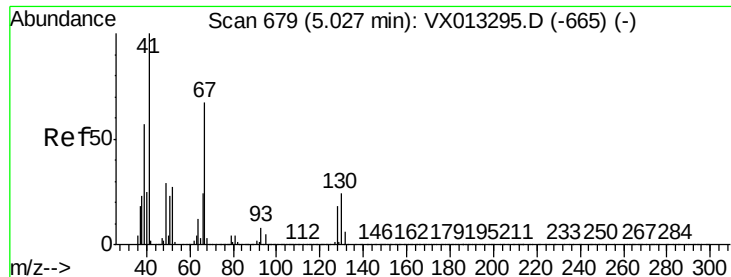
MMDadoda
11/20/2019 9:18:00 AM



#40
Benzene
Concen: 53.001 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.5	29.3





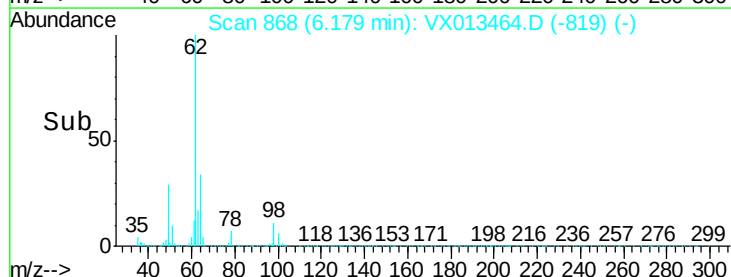
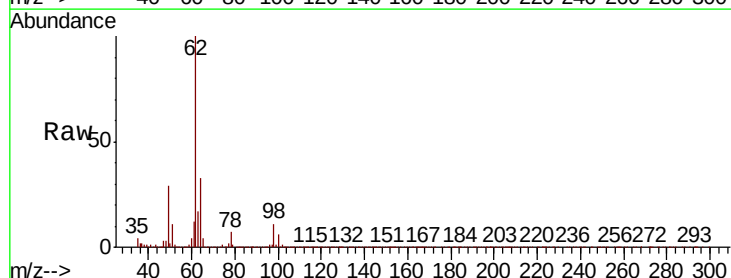
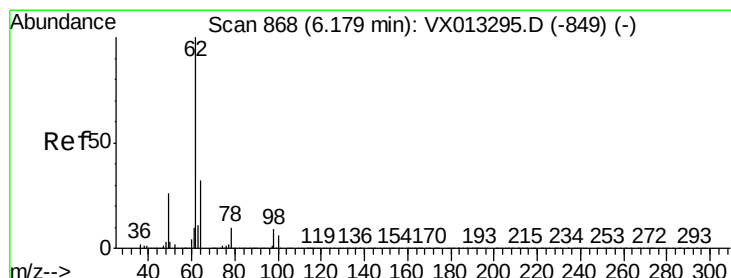
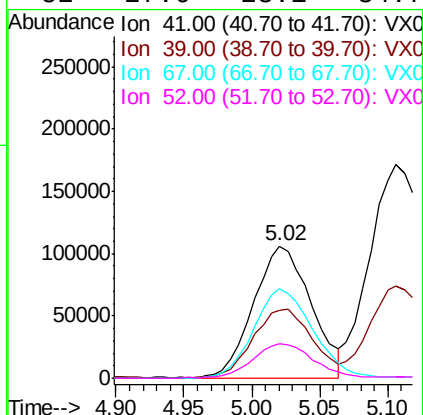
#41
Methacrylonitrile
Concen: 51.542 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	312113		
39	39	54.1	45.0	67.6	
67	67	69.6	55.4	83.2	
52	52	27.6	23.1	34.7	

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

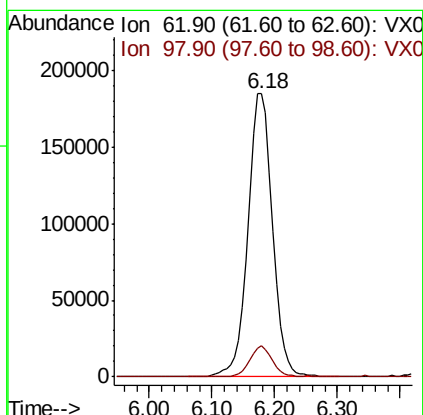
Manual Integrations
APPROVED

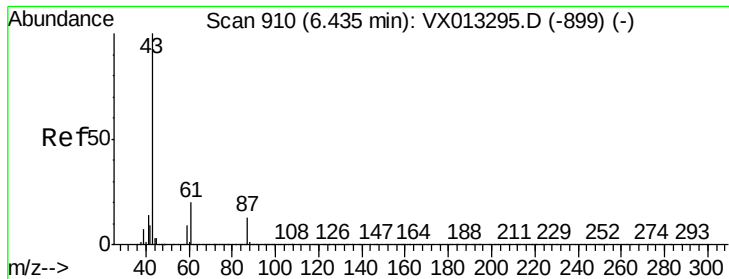
MMDadoda
11/20/2019 9:18:00 AM



#42
1,2-Dichloroethane
Concen: 51.065 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	501653		
98	98	10.3	0.0	19.4	





#43

Isopropyl Acetate

Concen: 52.658 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

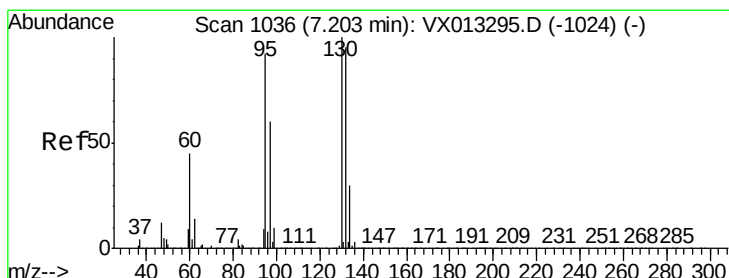
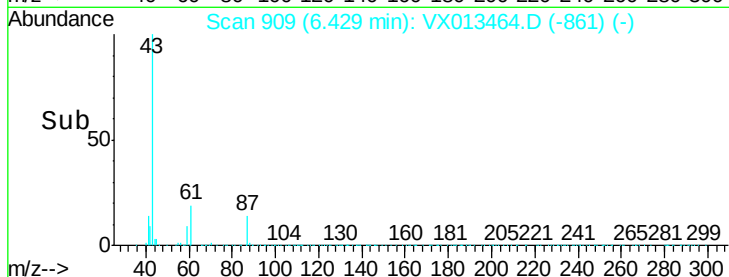
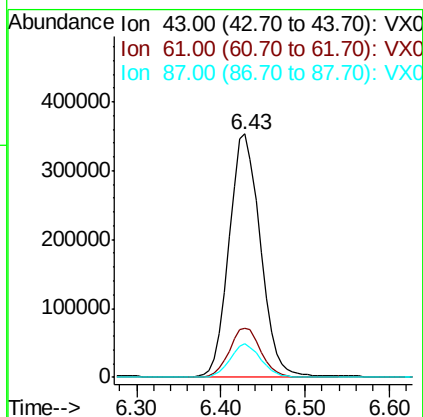
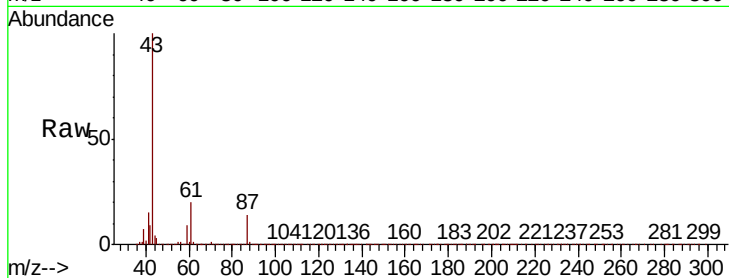
ClientSampleId :

FA19-RFW1147MS

Tot Ion:	43	Resp:	885892
Ion Ratio		Lower	Upper
43	100		
61	20.6	15.8	23.8
87	13.3	10.4	15.6

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#44

Trichloroethene

Concen: 50.690 ug/l

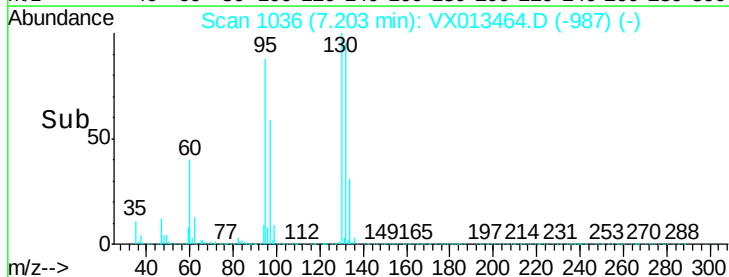
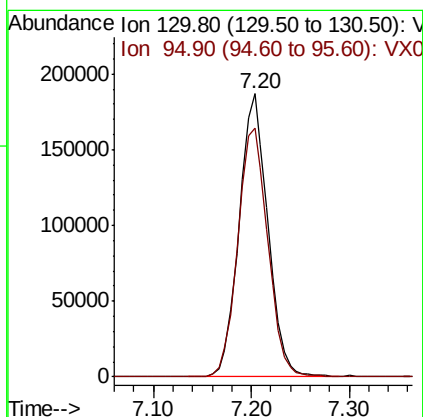
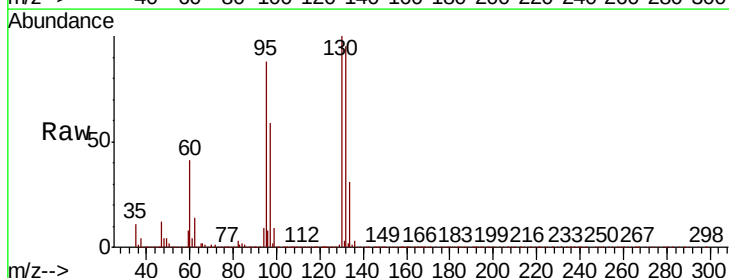
RT: 7.20 min Scan# 1036

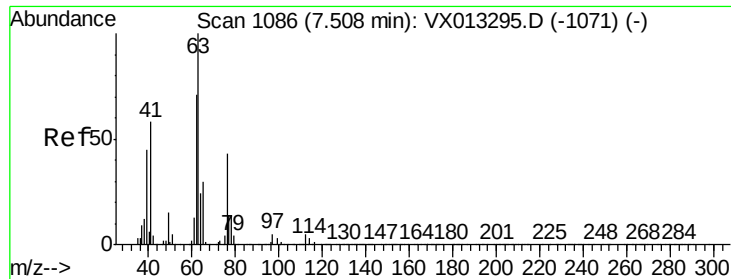
Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Tgt Ion:	130	Resp:	380020
Ion Ratio		Lower	Upper
130	100		
95	87.7	0.0	184.8





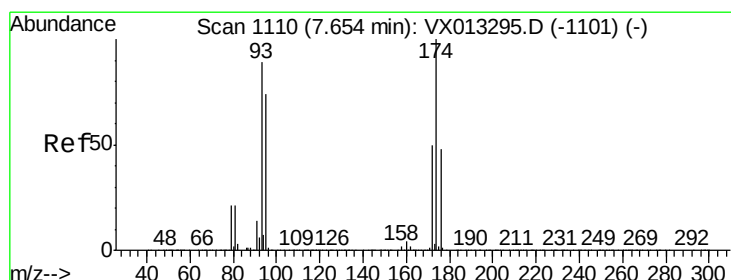
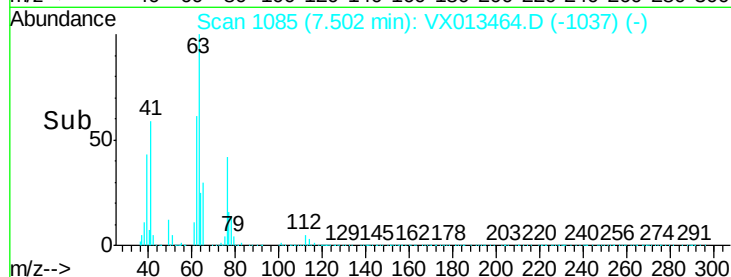
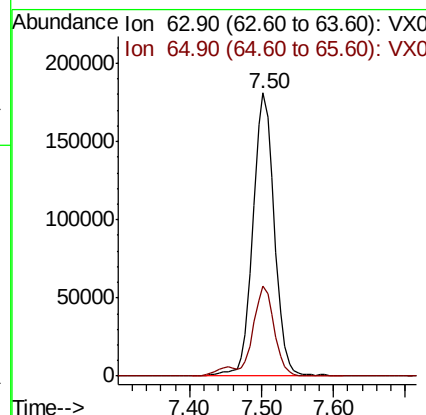
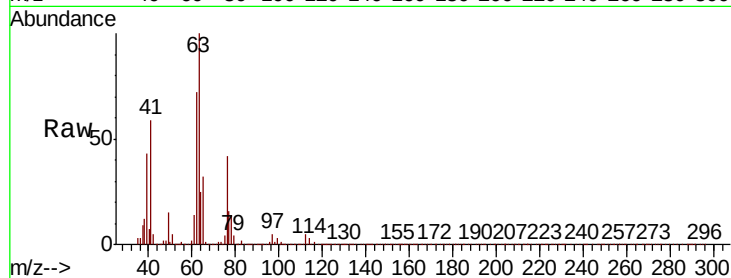
#45
 1,2-Dichloropropane
 Concen: 53.637 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013464.D
 Acq: 19 Nov 2019 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.3	36.5

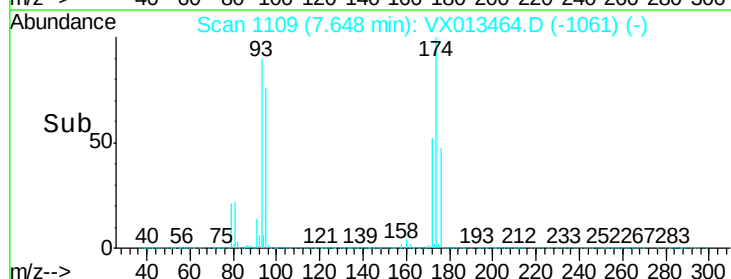
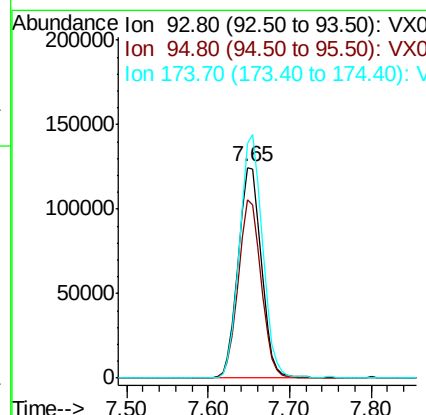
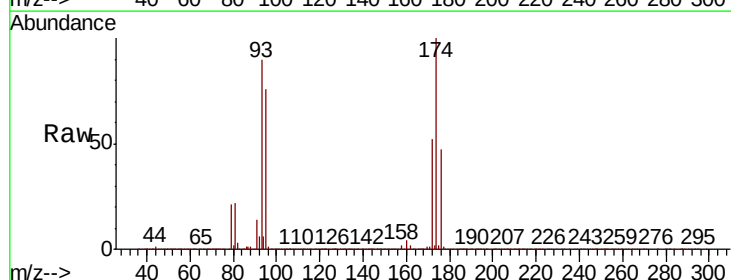
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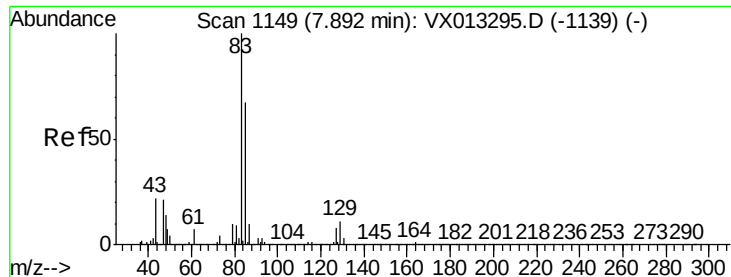
MMDadoda
 11/20/2019 9:18:00 AM



#46
 Dibromomethane
 Concen: 51.453 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX013464.D
 Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.8	98.6
174	114.6	90.4	135.6





#47

Bromodichloromethane

Concen: 54.550 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

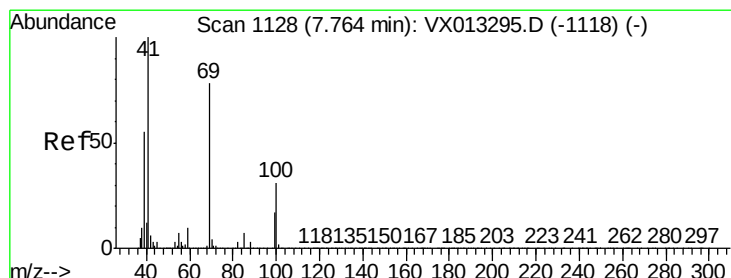
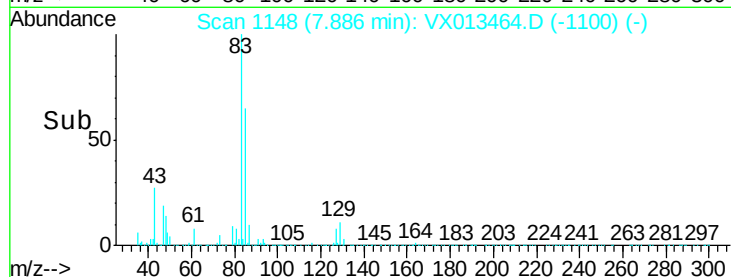
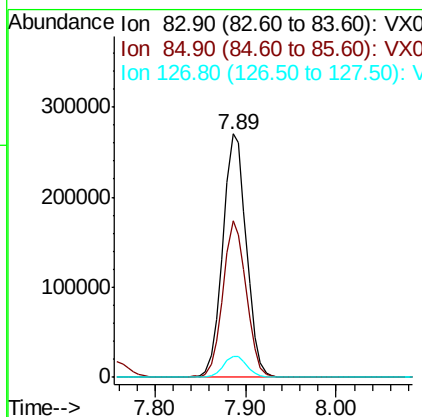
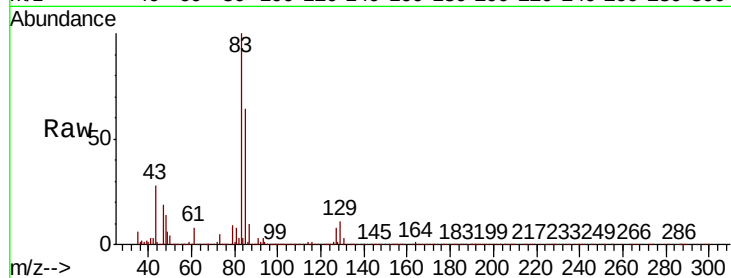
ClientSampleId :

FA19-RFW1147MS

Tot Ion:	83	Resp:	487377
Ion Ratio	Lower	Upper	
83	100		
85	64.5	53.7	80.5
127	8.4	6.4	9.6

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#48

Methyl methacrylate

Concen: 53.334 ug/l

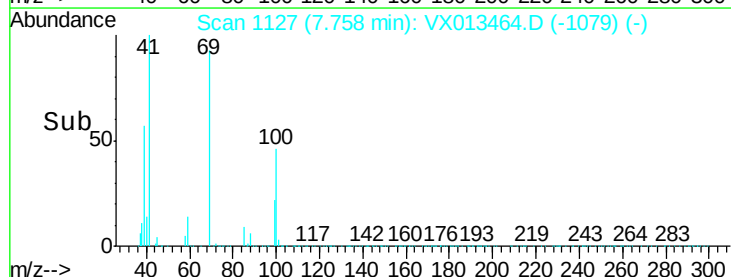
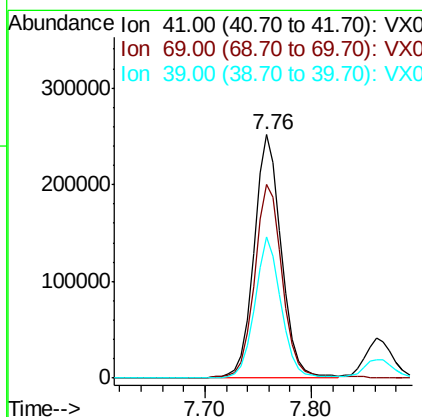
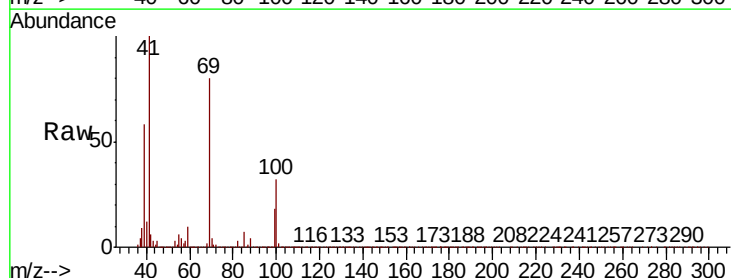
RT: 7.76 min Scan# 1127

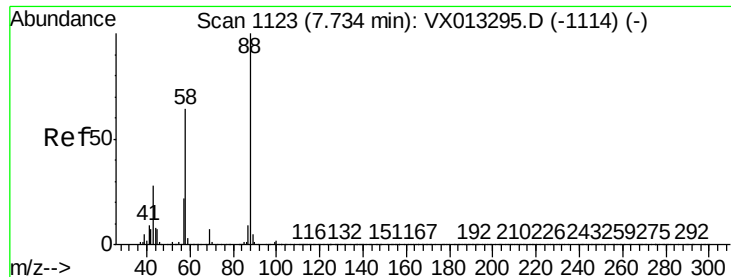
Delta R.T. -0.01 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Tgt Ion:	41	Resp:	447889
Ion Ratio	Lower	Upper	
41	100		
69	81.6	63.0	94.6
39	56.1	45.9	68.9





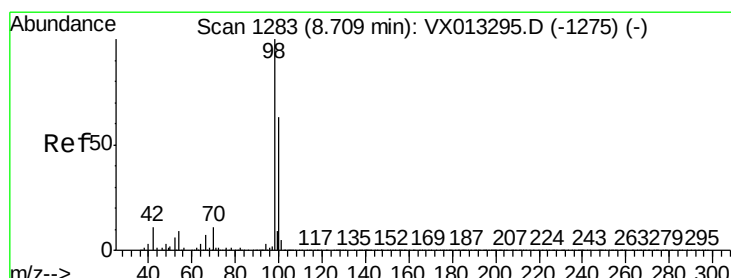
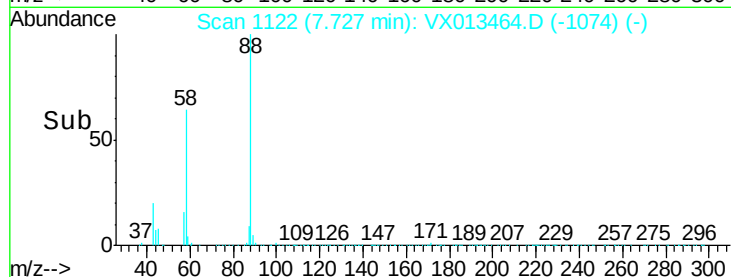
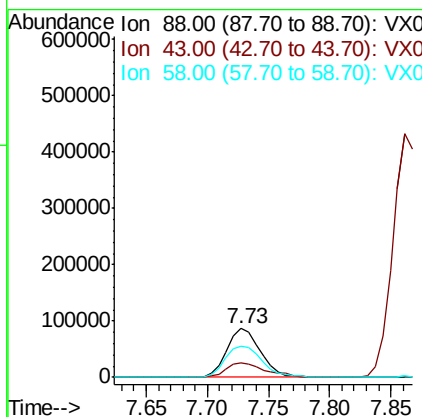
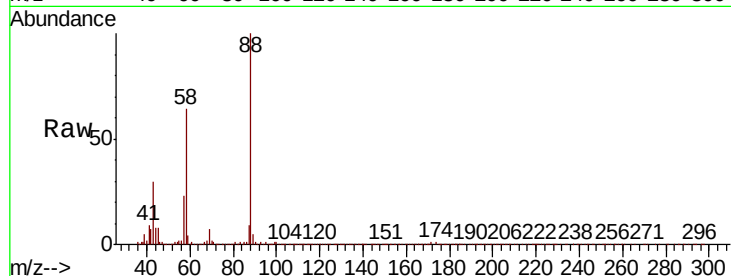
#49
1,4-Dioxane
Concen: 859.118 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.6	39.8
58	69.7	55.0	82.6

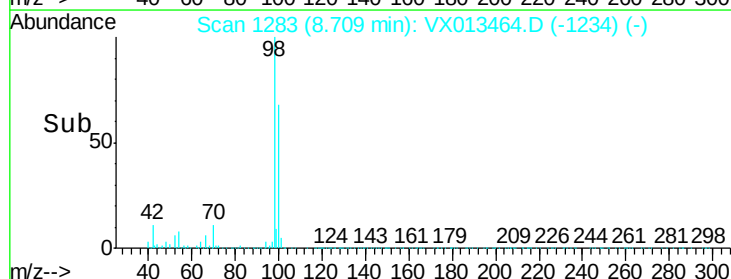
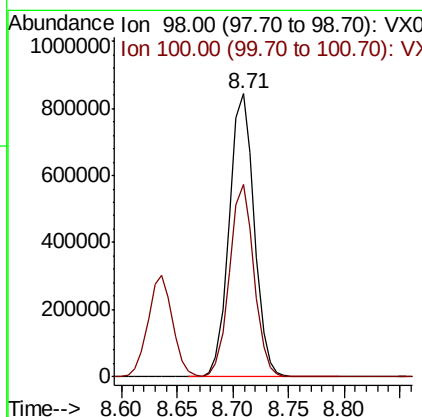
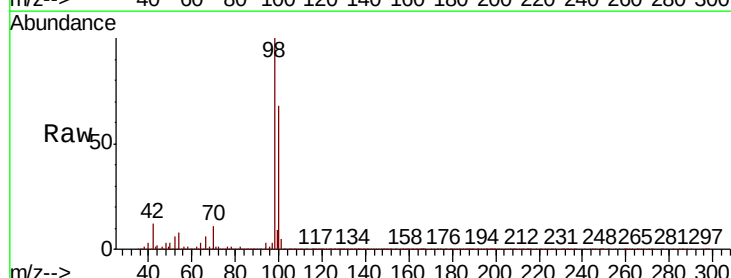
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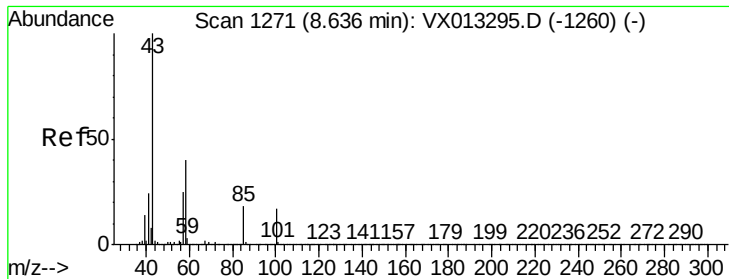
MMDadoda
11/20/2019 9:18:00 AM



#50
Toluene-d8
Concen: 54.184 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.2	78.2





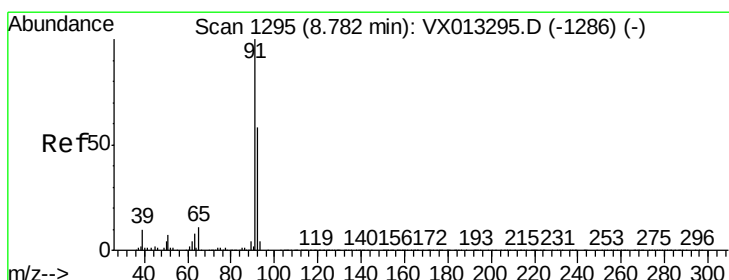
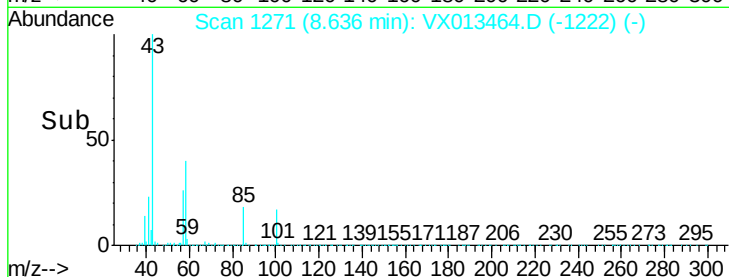
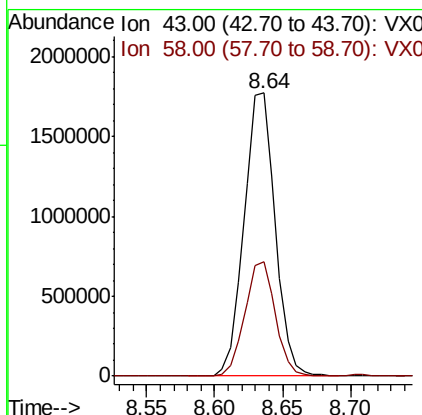
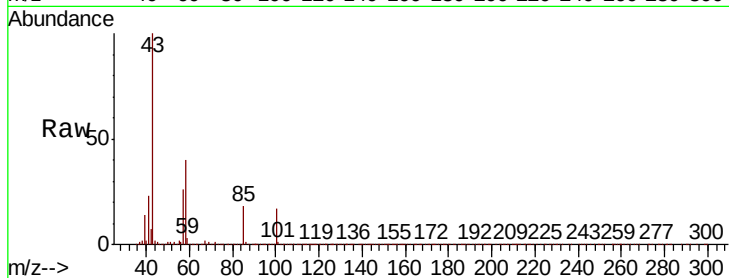
#51
4-Methyl-2-Pentanone
Concen: 256.678 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion: 43 Resp: 2833113
Ion Ratio Lower Upper
43 100
58 39.8 31.4 47.0

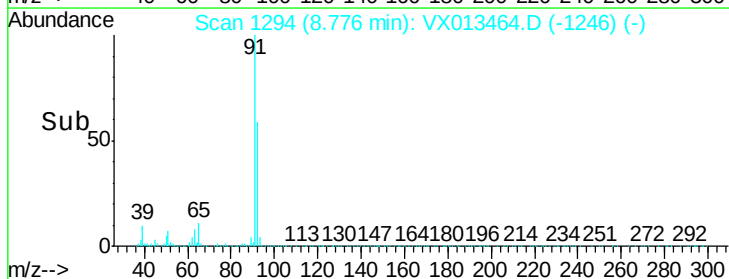
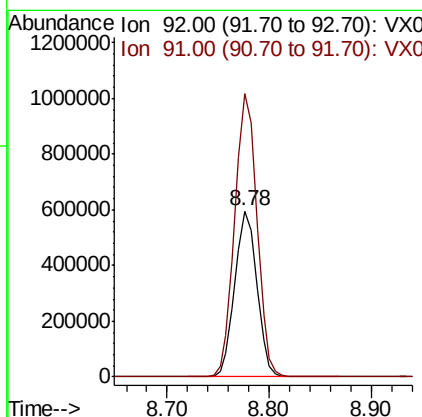
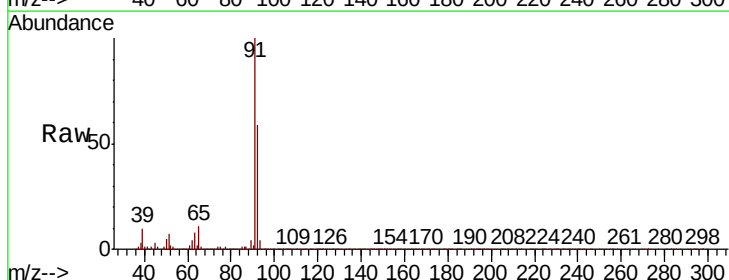
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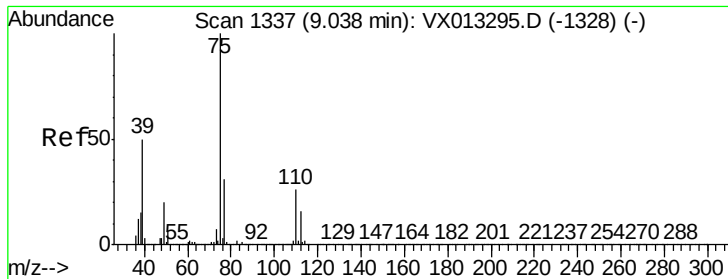
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#52
Toluene
Concen: 52.803 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion: 92 Resp: 891322
Ion Ratio Lower Upper
92 100
91 171.9 138.0 207.0





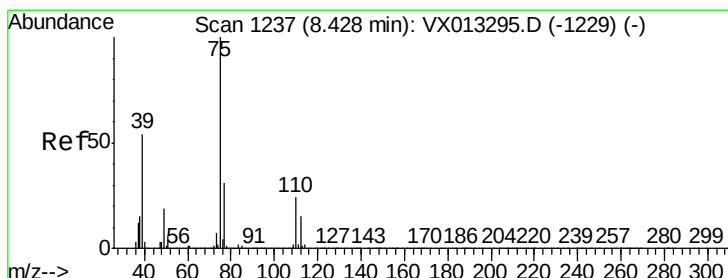
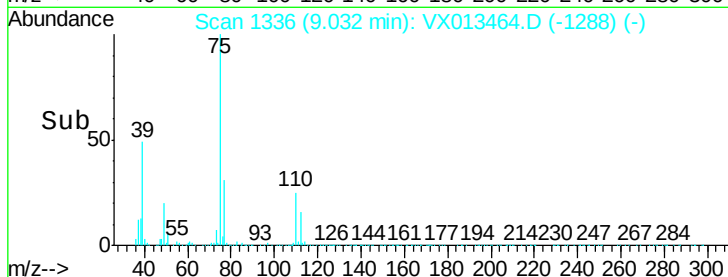
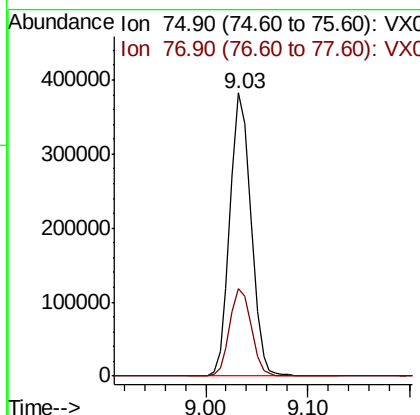
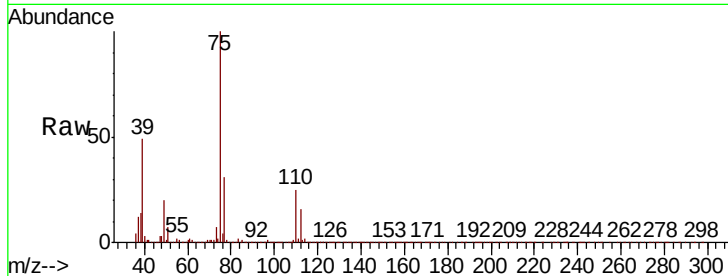
#53
t-1,3-Dichloropropene
Concen: 55.987 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion: 75 Resp: 546985
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.4

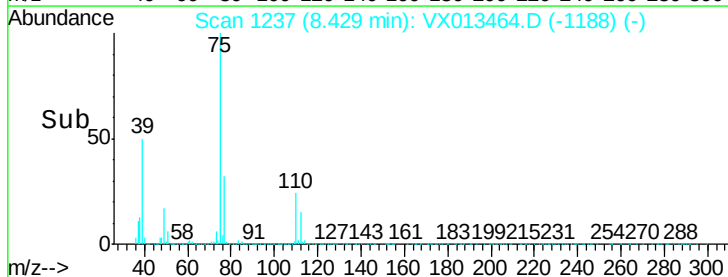
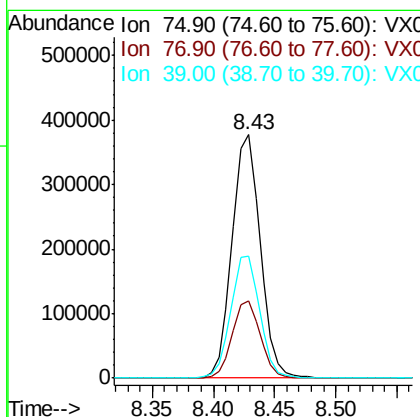
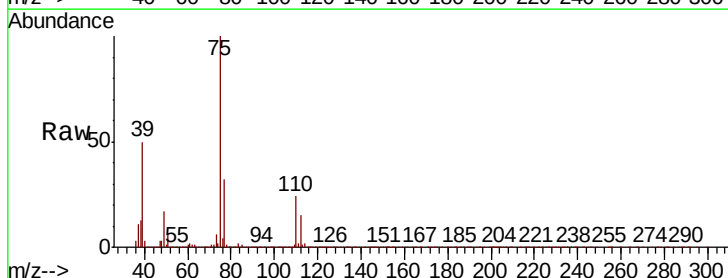
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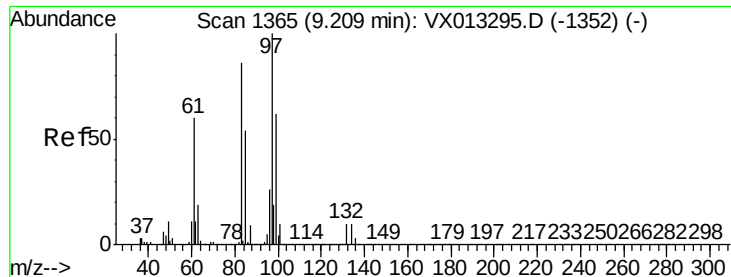
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#54
cis-1,3-Dichloropropene
Concen: 55.026 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion: 75 Resp: 601354
Ion Ratio Lower Upper
75 100
77 31.7 24.7 37.1
39 50.1 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 53.052 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

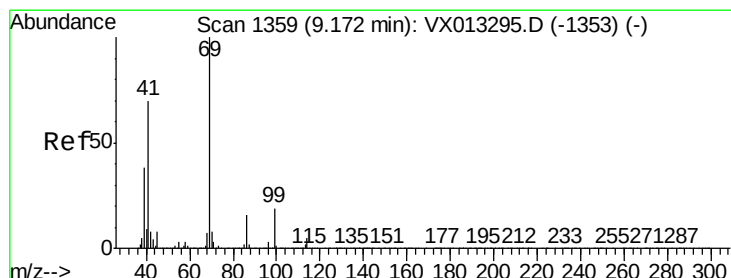
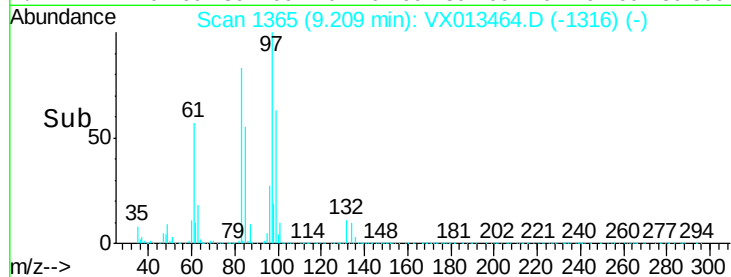
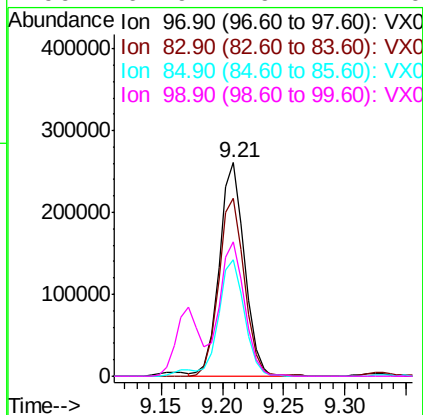
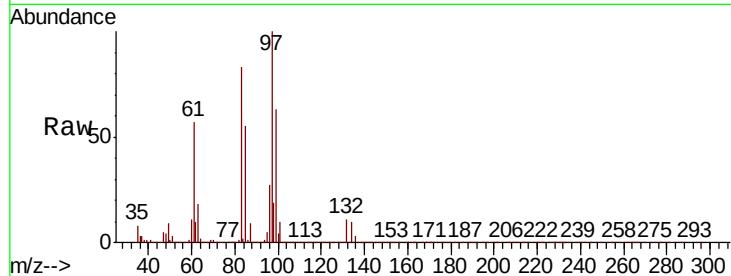
ClientSampleId :

FA19-RFW1147MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		371186		
83	83.2	68.6	103.0		
85	54.6	43.1	64.7		
99	62.9	49.4	74.0		

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#56

Ethyl methacrylate

Concen: 50.507 ug/l

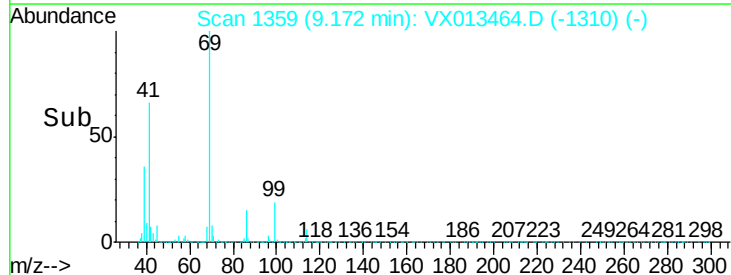
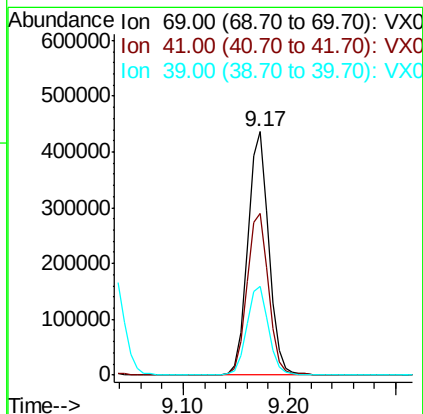
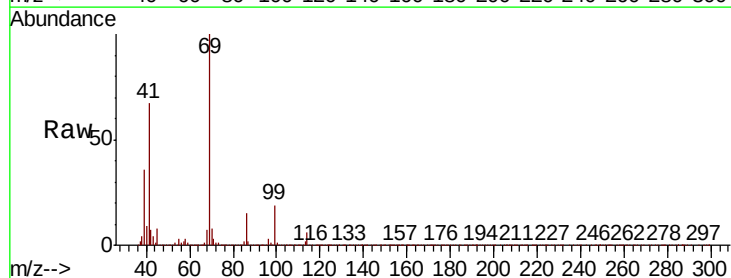
RT: 9.17 min Scan# 1359

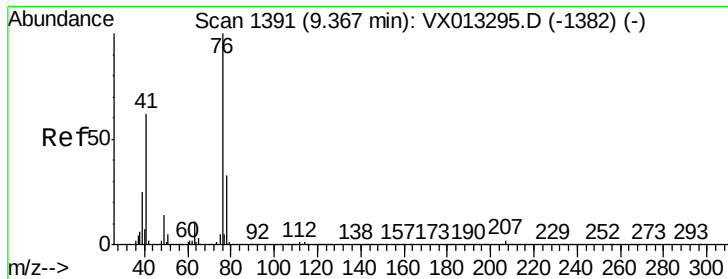
Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		603481		
41	68.4	56.2	84.2		
39	37.2	31.1	46.7		





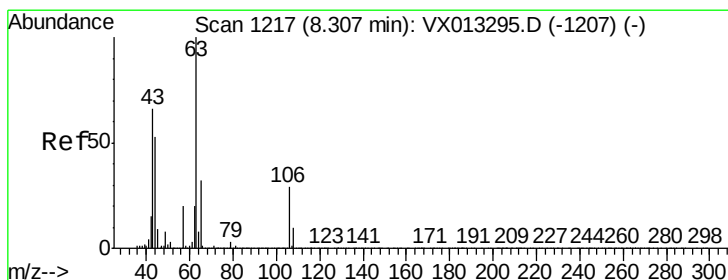
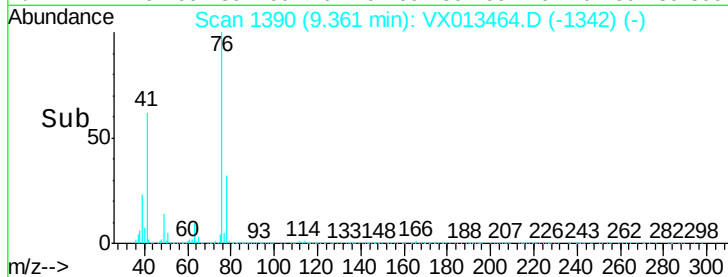
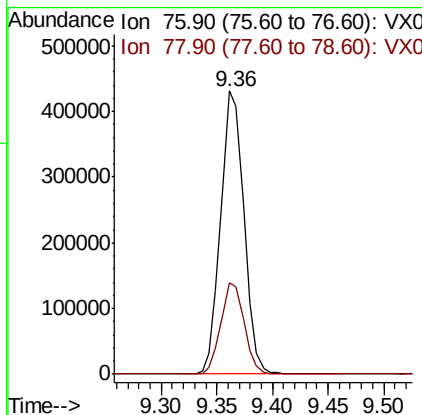
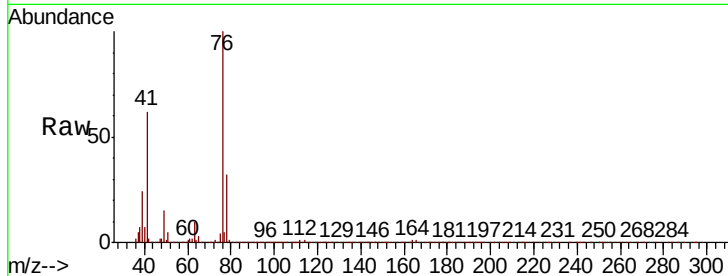
#57
 1,3-Dichloropropane
 Concen: 52.913 ug/l
 RT: 9.36 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VX013464.D
 Acq: 19 Nov 2019 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

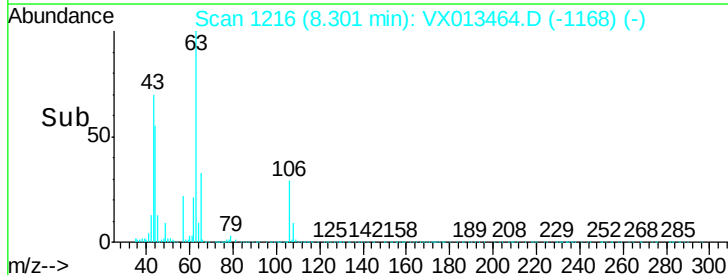
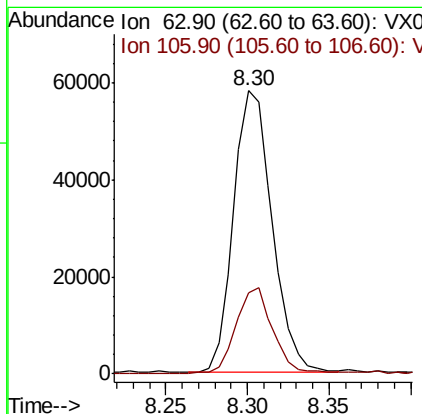
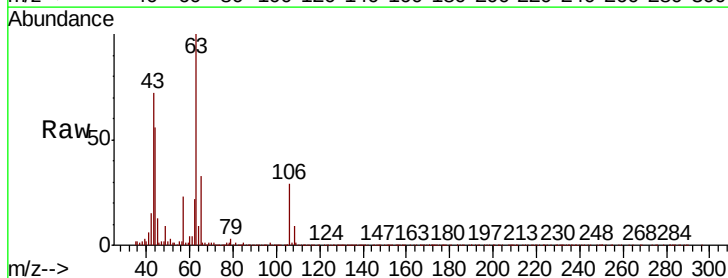
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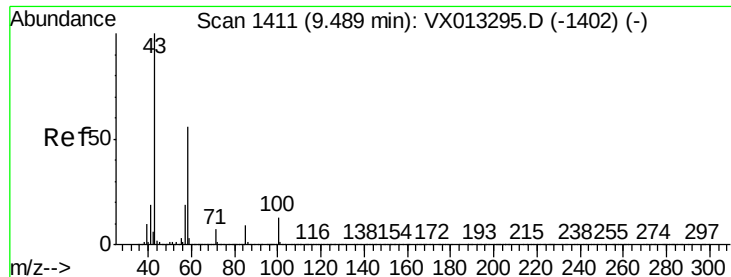
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 11/20/2019 9:18:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 19.983 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX013464.D
 Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.4	35.2





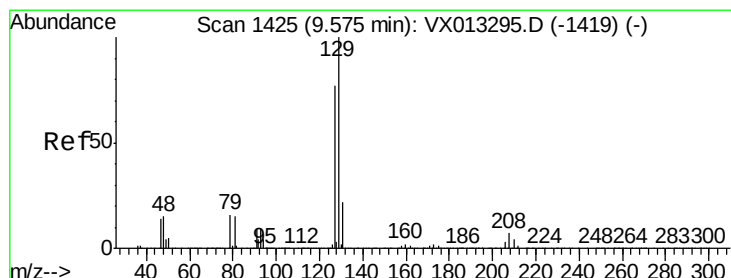
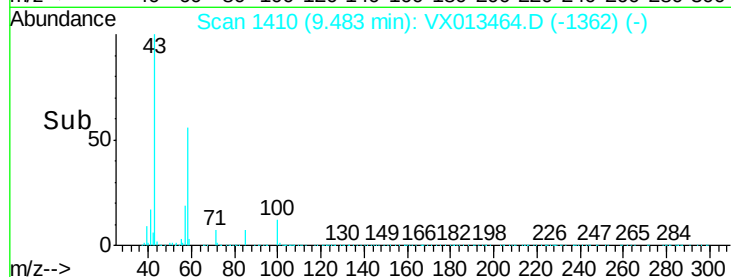
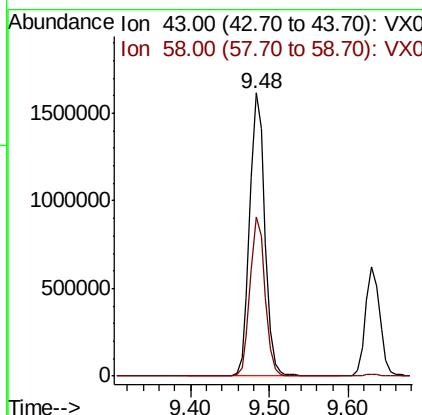
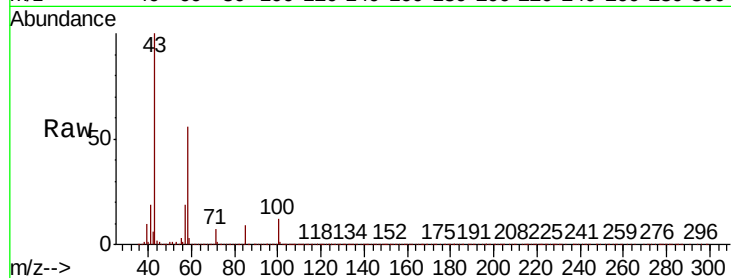
#59
2-Hexanone
Concen: 252.223 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion: 43 Resp: 2151368
Ion Ratio Lower Upper
43 100
58 55.8 27.3 81.8

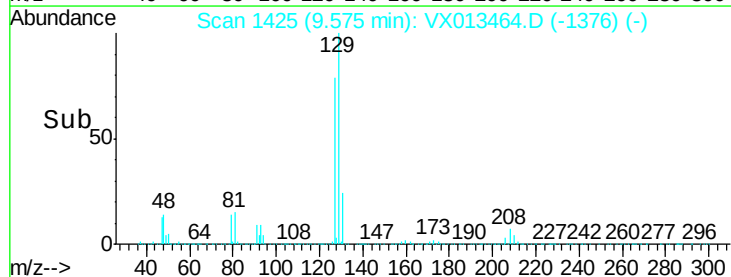
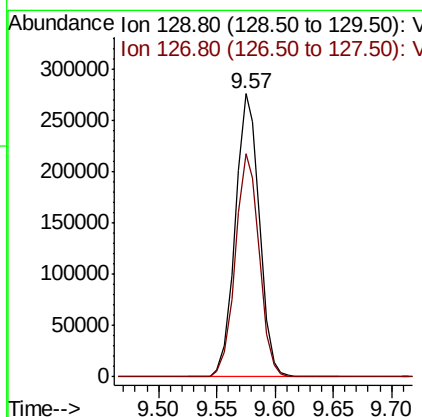
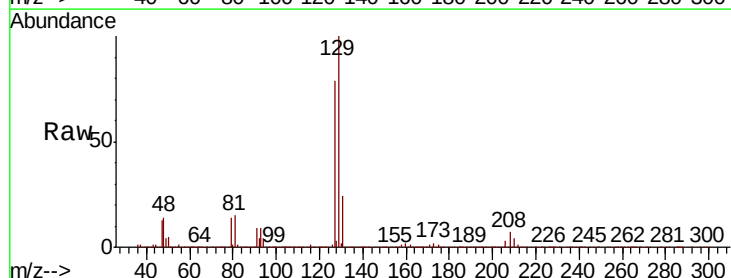
Manual Integrations
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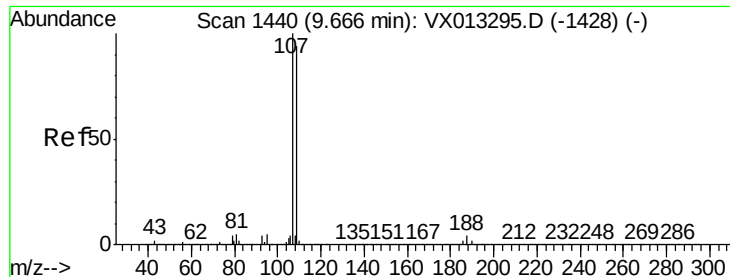
MMDadoda
11/20/2019 9:18:00 AM



#60
Dibromochloromethane
Concen: 55.466 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion: 129 Resp: 396892
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 51.963 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

FA19-RFW1147MS

Tot Ion: 107 Resp: 386064

Ion Ratio Lower Upper

107 100

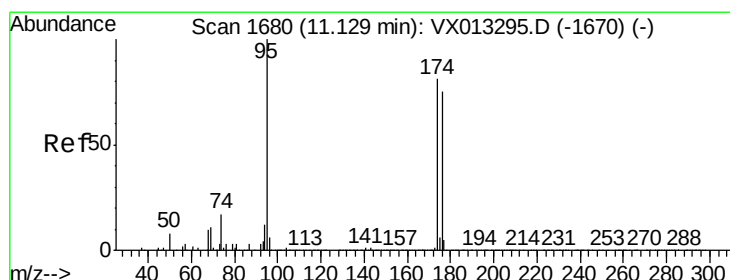
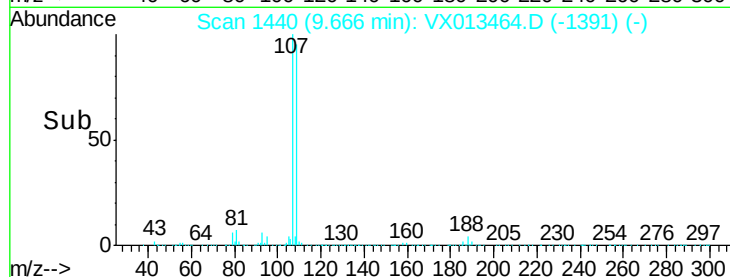
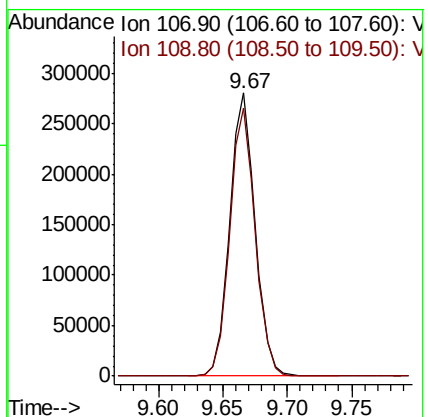
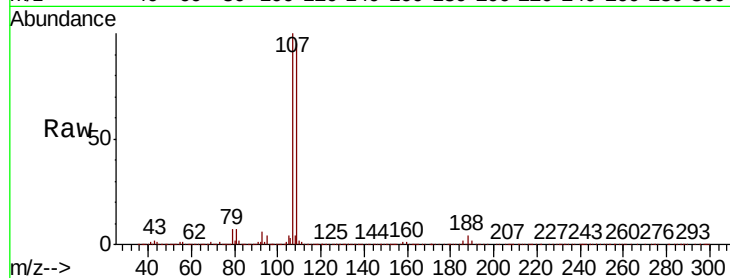
109 95.2 75.1 112.7

Manual Integrations

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11/20/2019 9:18:00 AM



#62

4-Bromofluorobenzene

Concen: 55.209 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

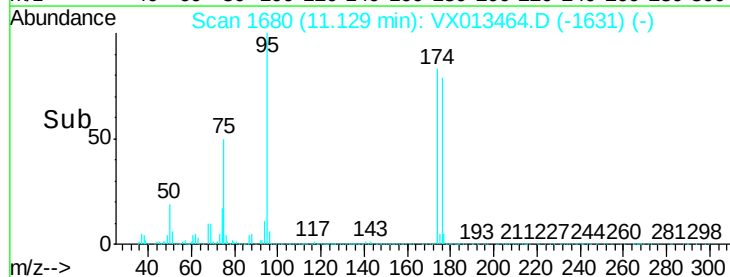
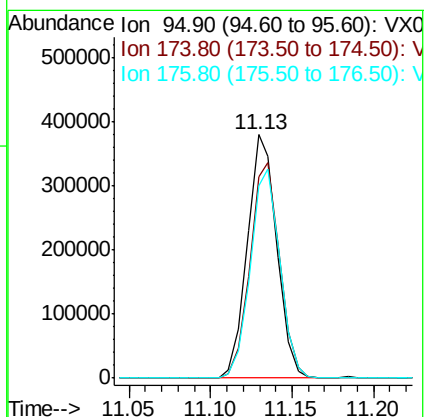
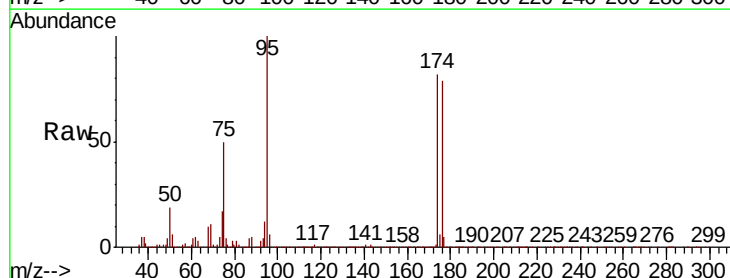
Tgt Ion: 95 Resp: 480177

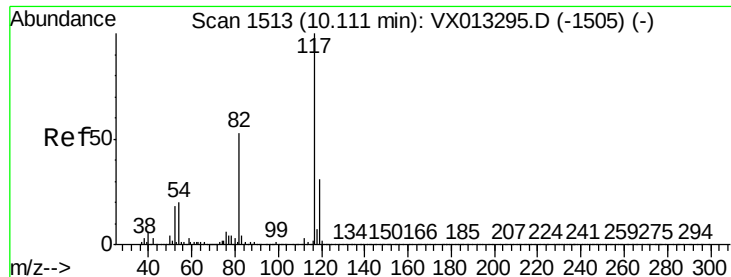
Ion Ratio Lower Upper

95 100

174 89.0 0.0 179.8

176 85.7 0.0 173.0





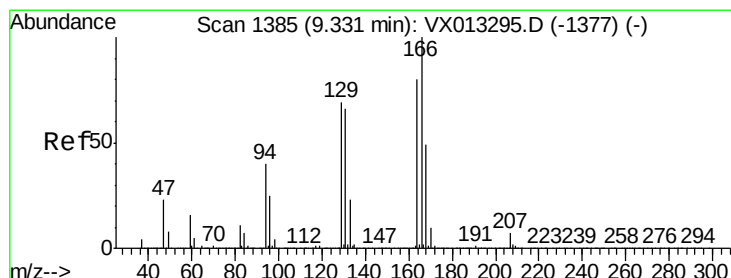
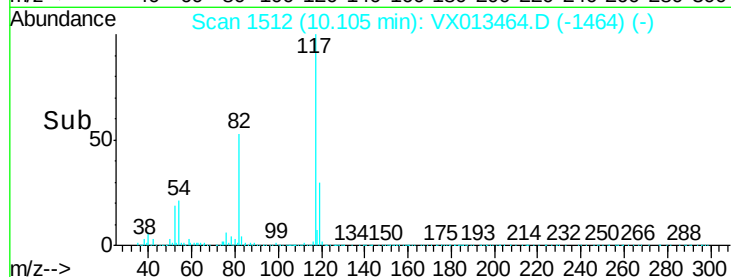
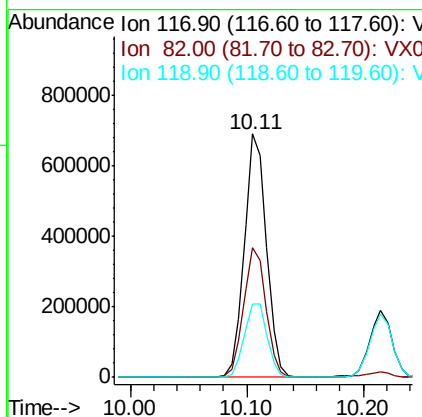
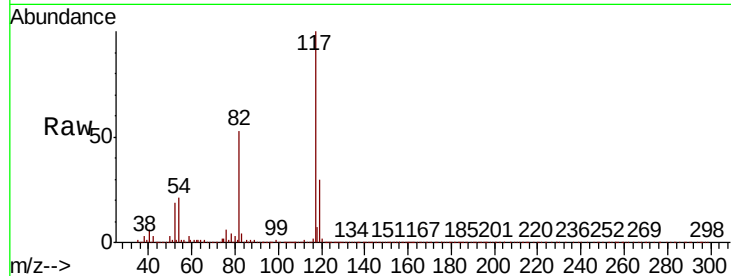
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.6	64.0
119	30.4	24.8	37.2

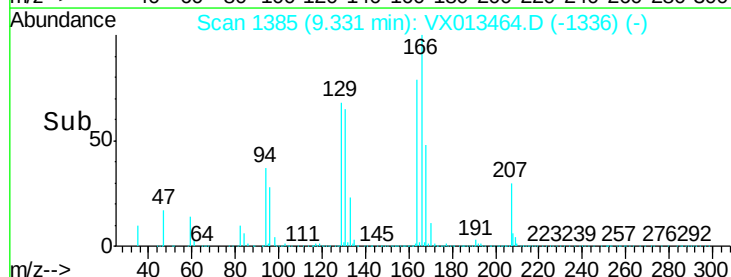
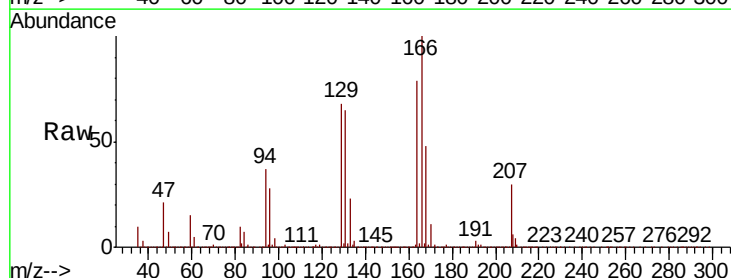
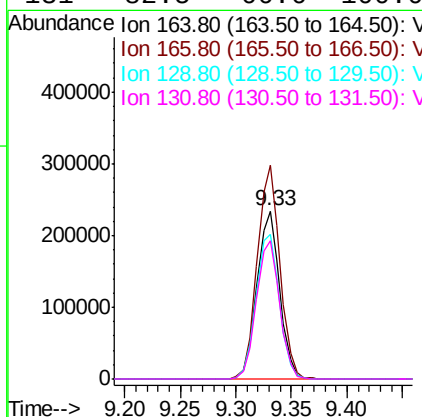
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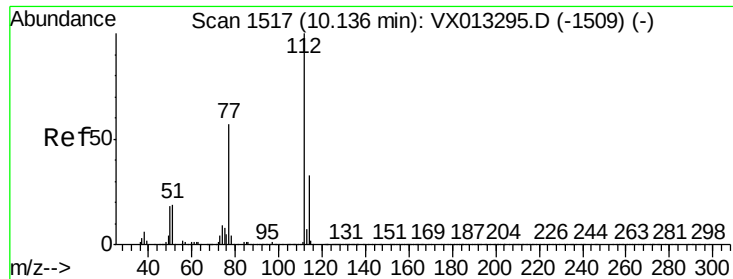
MMDadoda
11/20/2019 9:18:00 AM



#64
Tetrachloroethene
Concen: 50.639 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	100.4	150.6
129	86.5	69.4	104.2
131	82.5	66.6	100.0





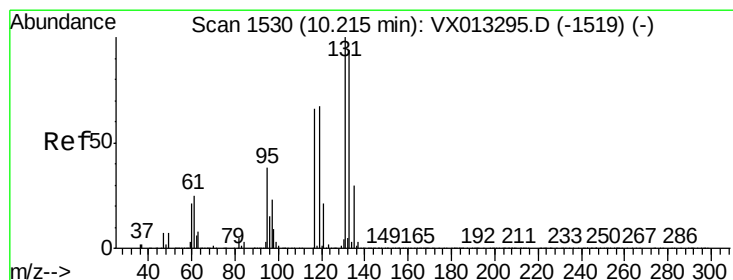
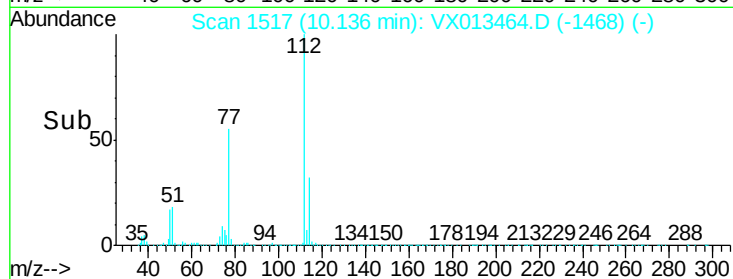
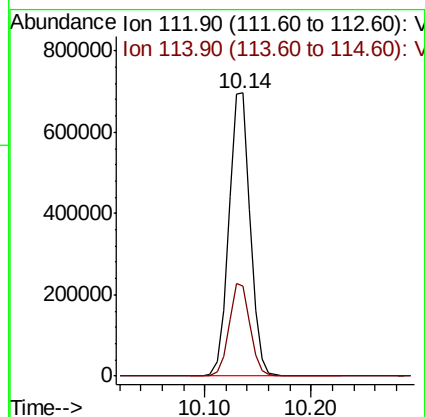
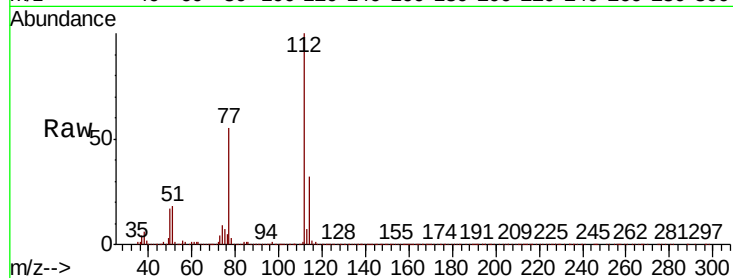
#65
Chlorobenzene
Concen: 52.495 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.4	39.6

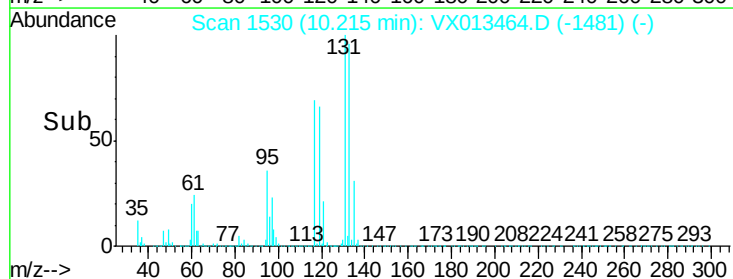
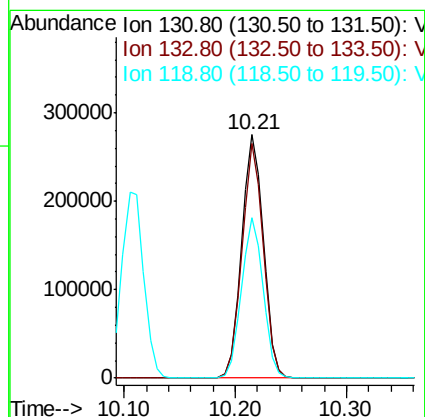
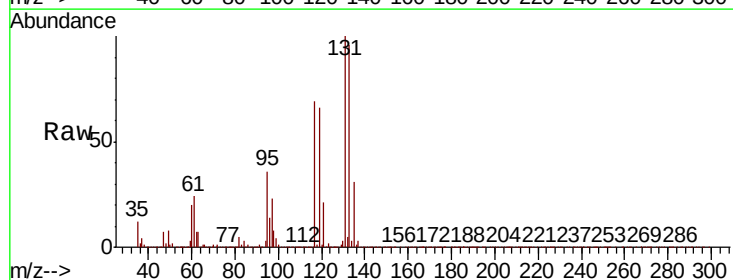
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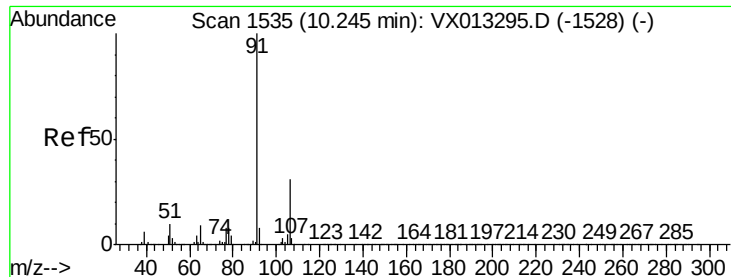
MMDadoda
11/20/2019 9:18:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.331 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	48.0	144.0
119	65.3	33.0	99.0





#67

Ethyl Benzene

Concen: 53.512 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

FA19-RFW1147MS

Tot Ion: 91 Resp: 1718701

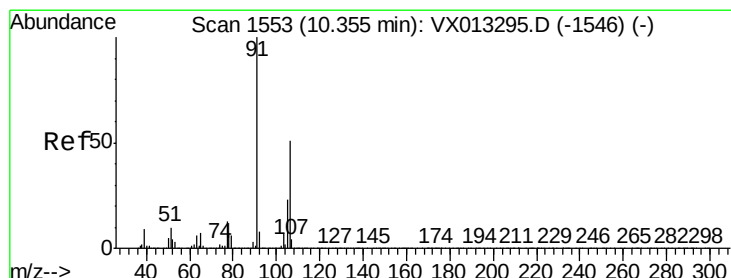
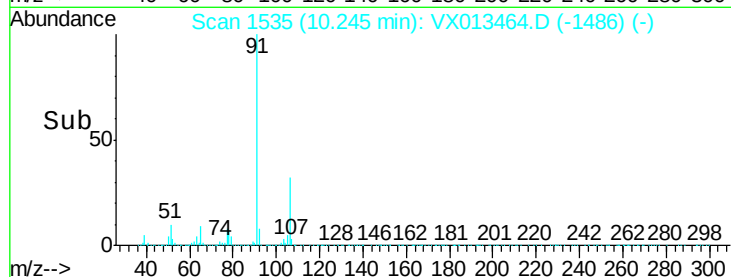
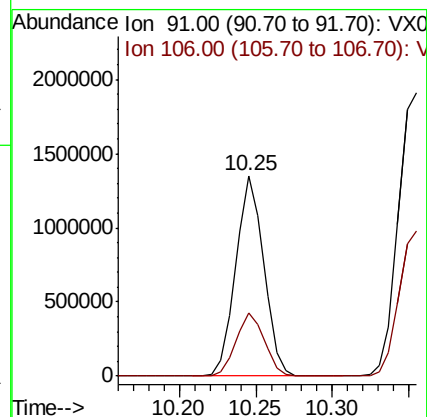
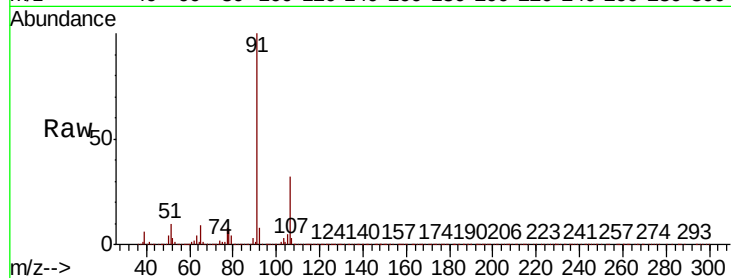
Ion Ratio Lower Upper

91 100

106 31.6 24.6 36.8

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11/20/2019 9:18:00 AM



#68

m/p-Xylenes

Concen: 108.626 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013464.D

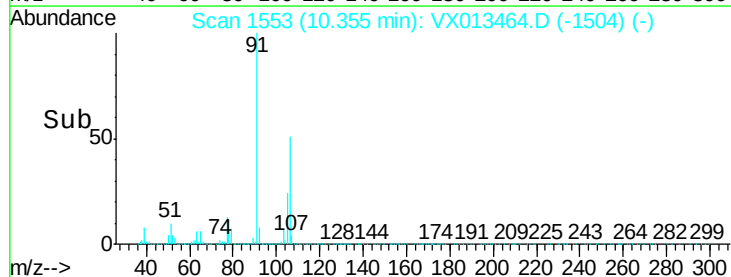
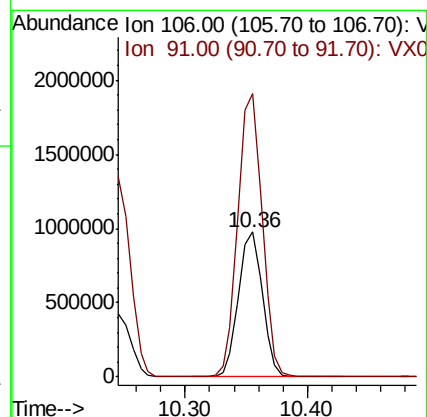
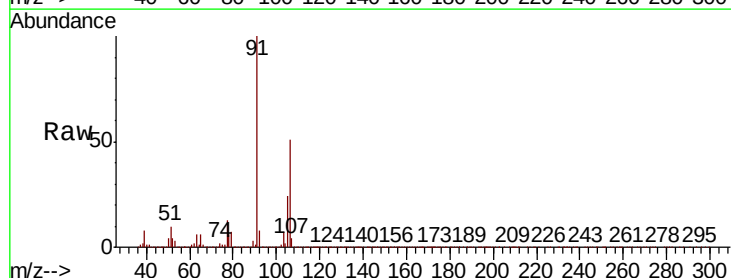
Acq: 19 Nov 2019 15:11

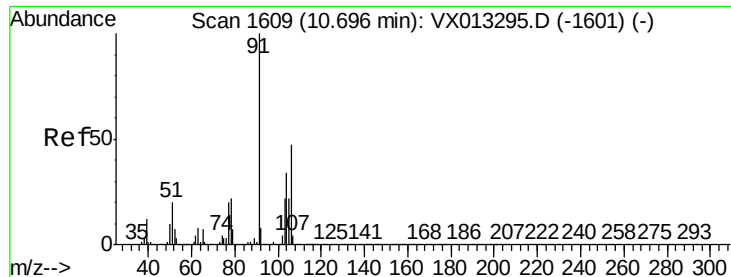
Tgt Ion: 106 Resp: 1319444

Ion Ratio Lower Upper

106 100

91 198.0 159.3 238.9





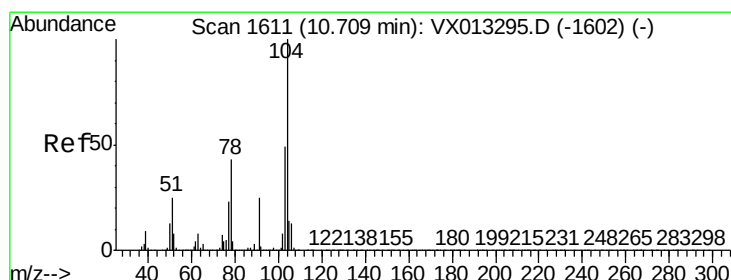
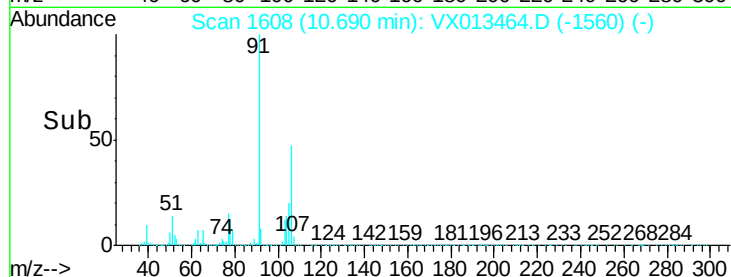
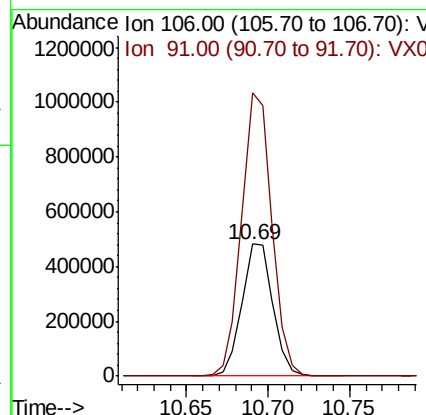
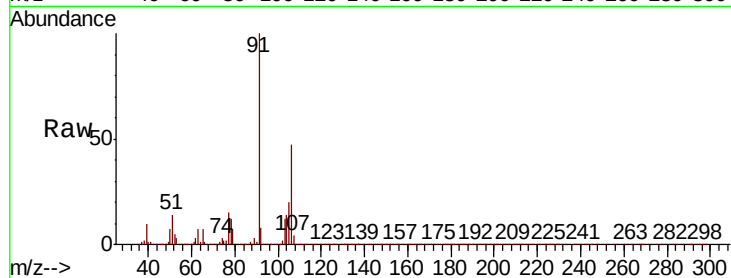
#69
o-Xylene
Concen: 53.479 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion:106 Resp: 635976
Ion Ratio Lower Upper
106 100
91 210.7 105.7 317.0

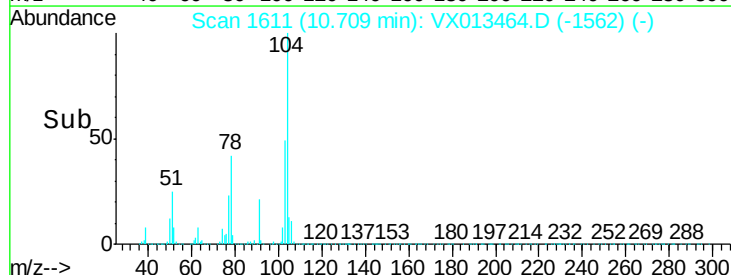
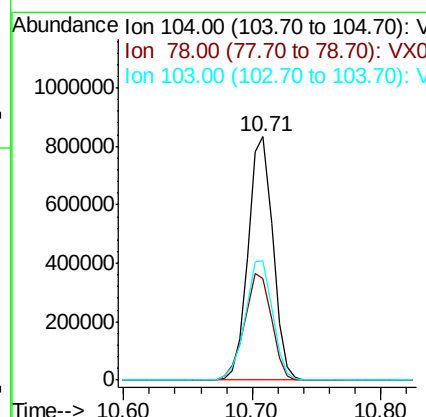
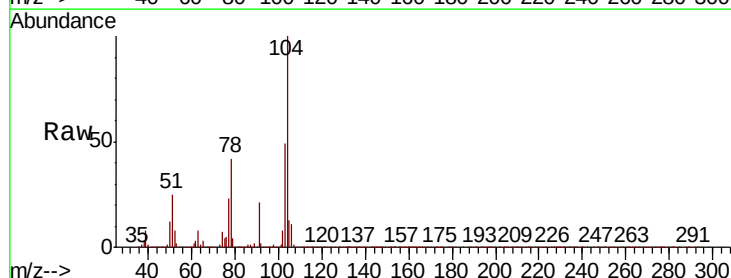
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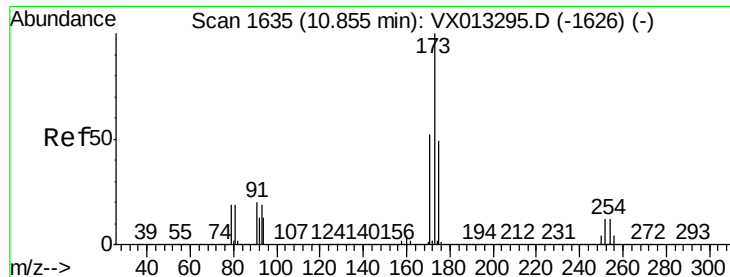
MMDadoda
11/20/2019 9:18:00 AM



#70
Styrene
Concen: 55.344 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion:104 Resp: 1100177
Ion Ratio Lower Upper
104 100
78 48.4 40.0 60.0
103 54.2 44.1 66.1





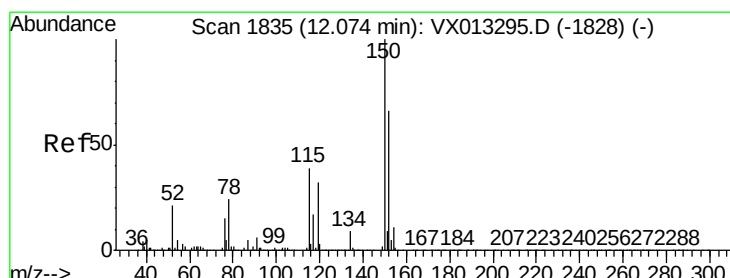
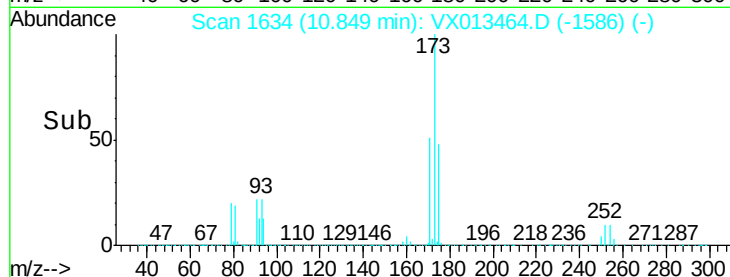
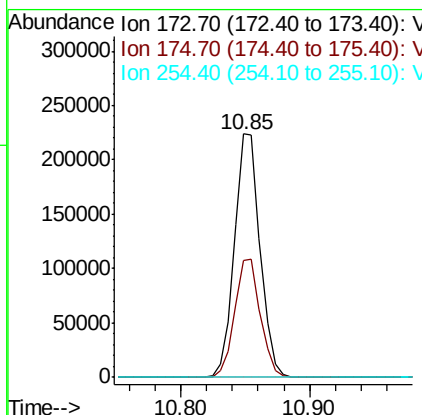
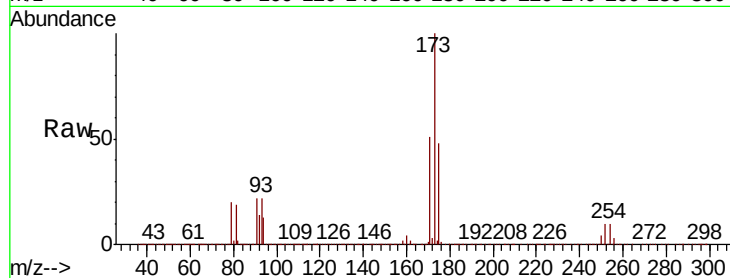
#71
Bromoform
Concen: 49.032 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.8	74.4
254	0.2	0.2	0.2

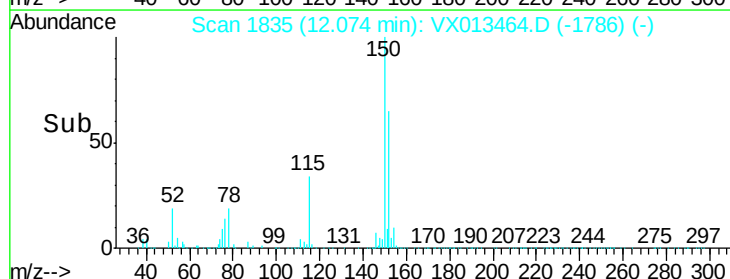
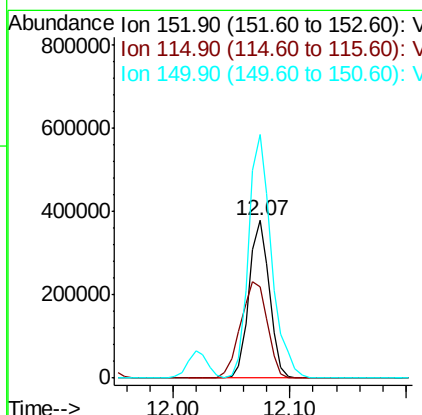
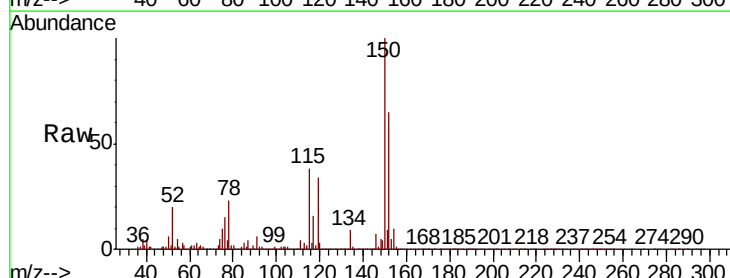
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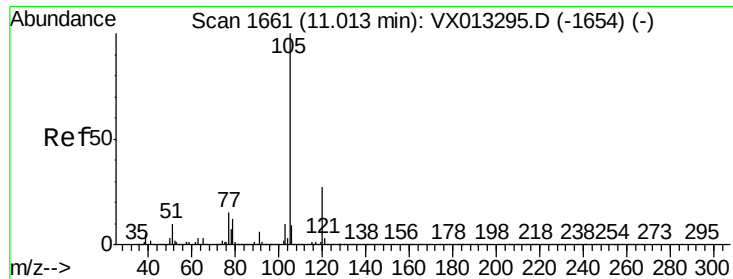
MMDadoda
11/20/2019 9:18:00 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.7	39.5	118.3
150	173.4	0.0	344.4





#73

Isopropylbenzene

Concen: 56.405 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

FA19-RFW1147MS

Tot Ion:105 Resp: 1733582

Ion Ratio Lower Upper

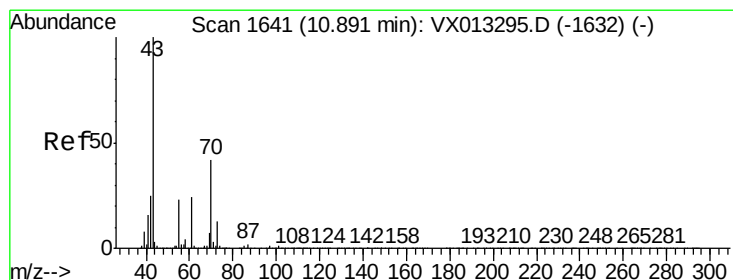
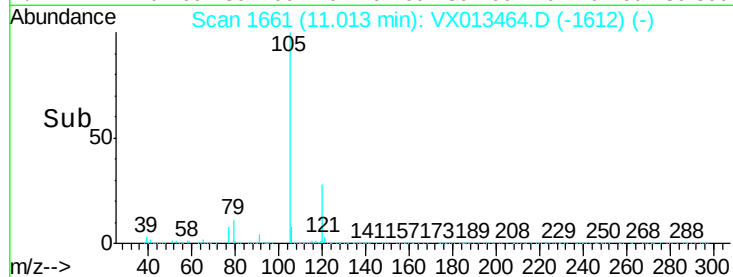
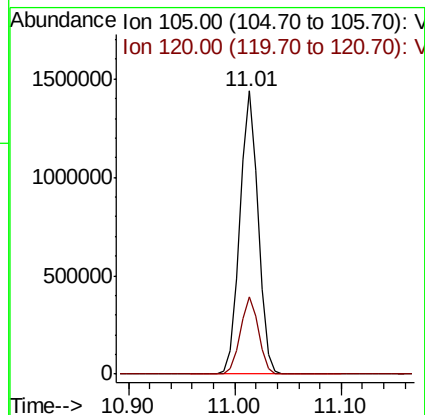
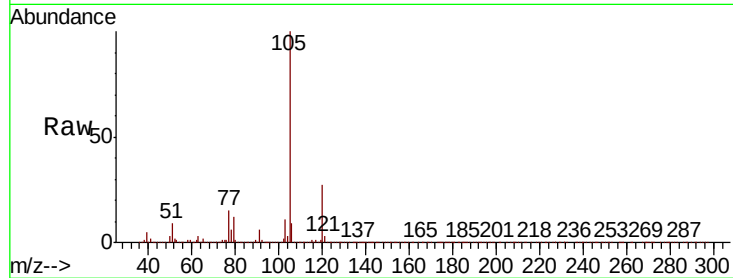
105 100

120 27.2 13.5 40.5

Manual Integrations
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11/20/2019 9:18:00 AM



#74

N-ethyl acetate

Concen: 55.762 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Tgt Ion: 43 Resp: 794746

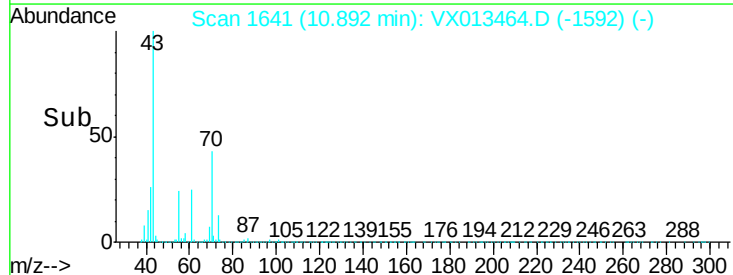
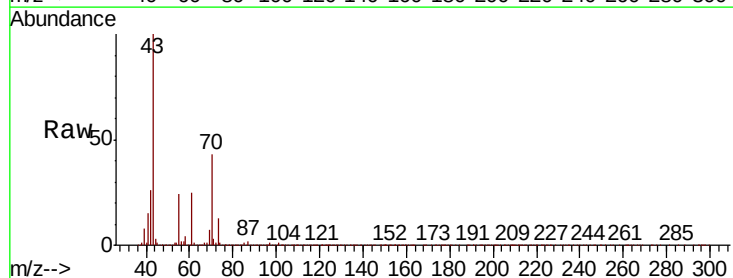
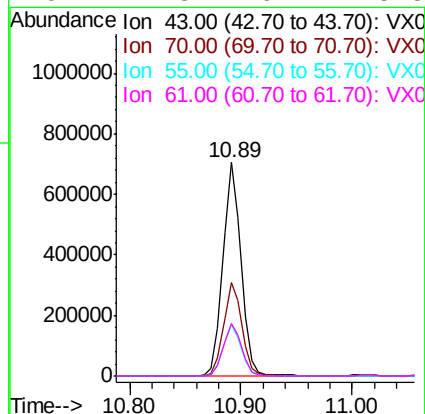
Ion Ratio Lower Upper

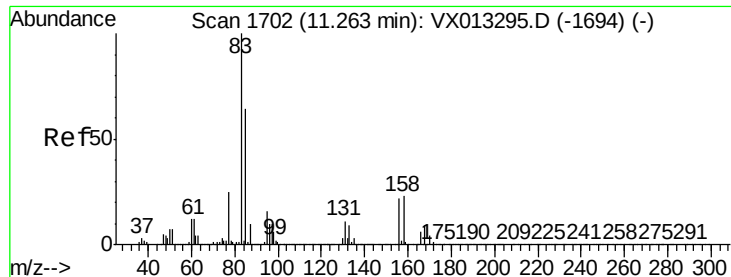
43 100

70 43.8 34.1 51.1

55 24.4 18.9 28.3

61 24.8 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 53.786 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

FA19-RFW1147MS

Tot Ion: 83 Resp: 603074

Ion Ratio Lower Upper

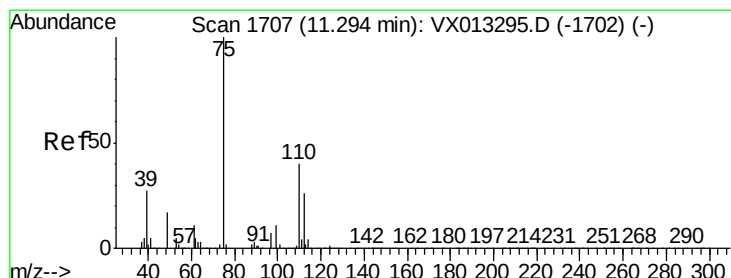
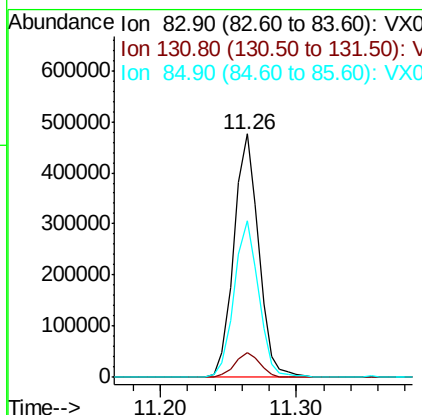
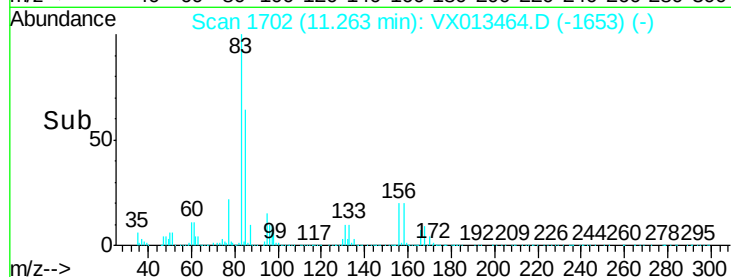
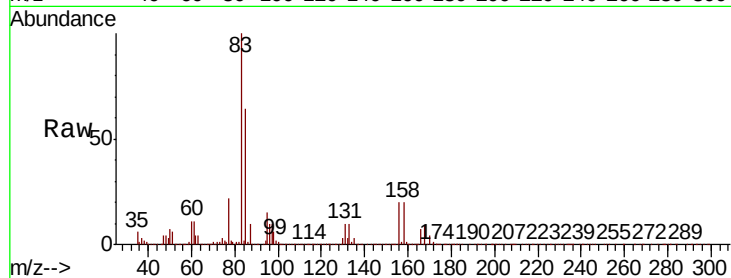
83 100

131 10.1 5.1 15.3

85 64.1 32.3 96.8

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11/20/2019 9:18:00 AM



#76

1,2,3-Trichloropropane

Concen: 50.294 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX013464.D

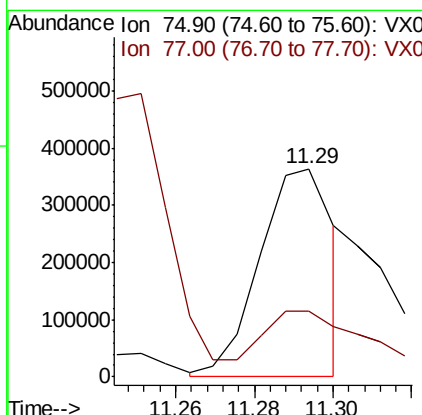
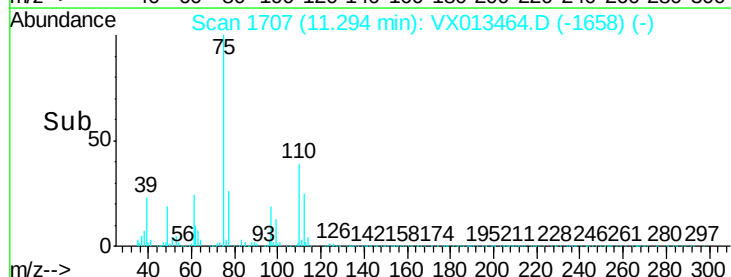
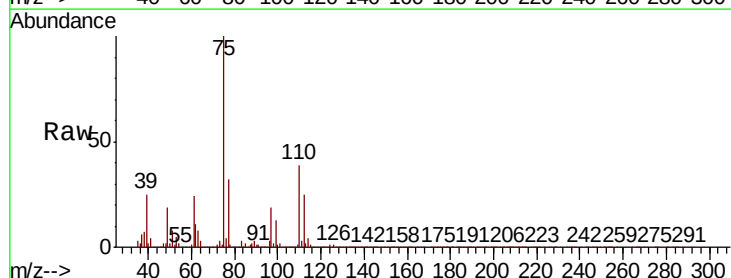
Acq: 19 Nov 2019 15:11

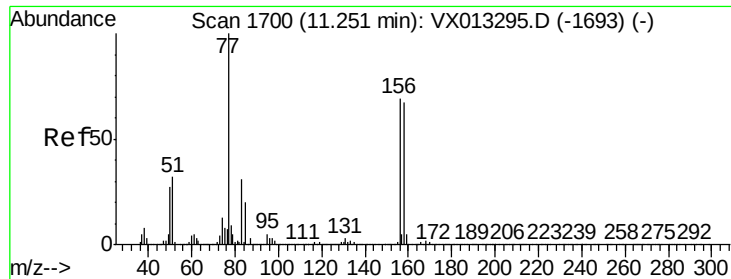
Tgt Ion: 75 Resp: 473541

Ion Ratio Lower Upper

75 100

77 44.6 22.3 66.8





#77

Bromobenzene

Concen: 54.313 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

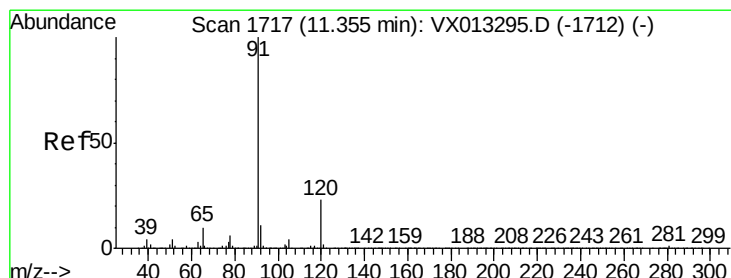
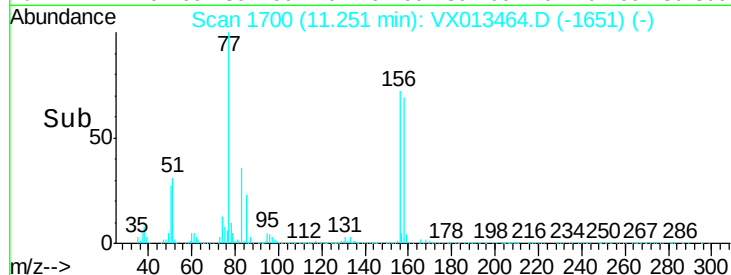
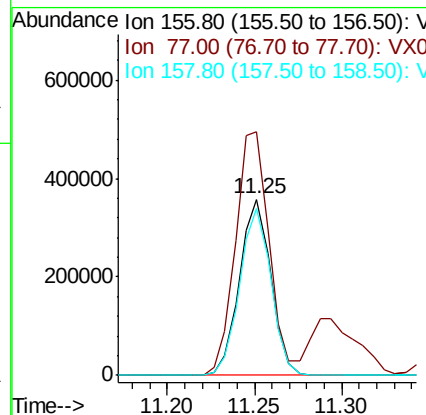
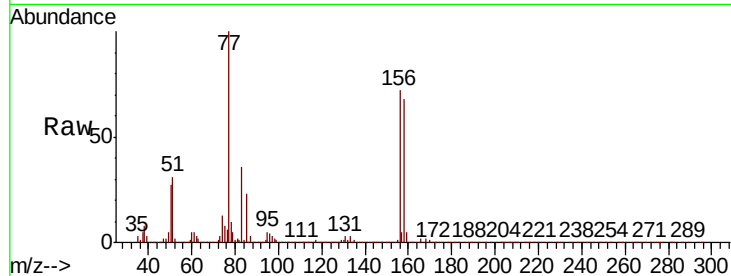
ClientSampleId :

FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.5	75.8	227.4
158	95.8	47.6	142.8

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#78

n-propylbenzene

Concen: 57.433 ug/l

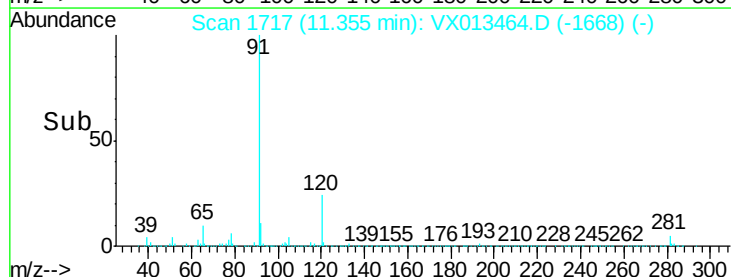
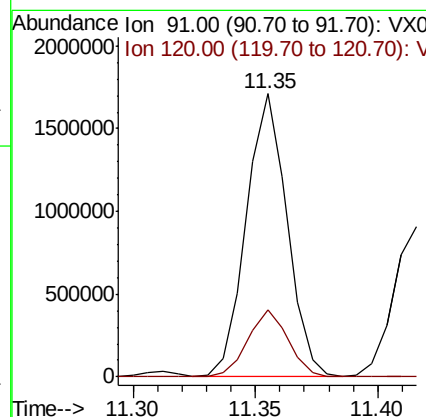
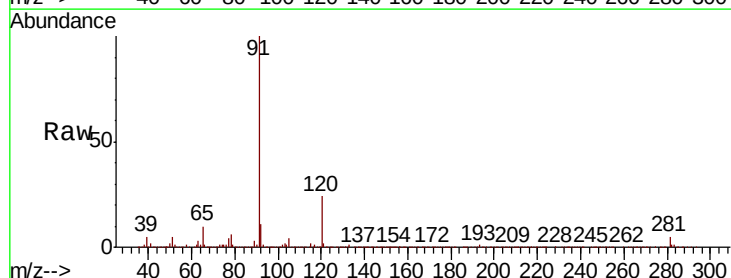
RT: 11.35 min Scan# 1717

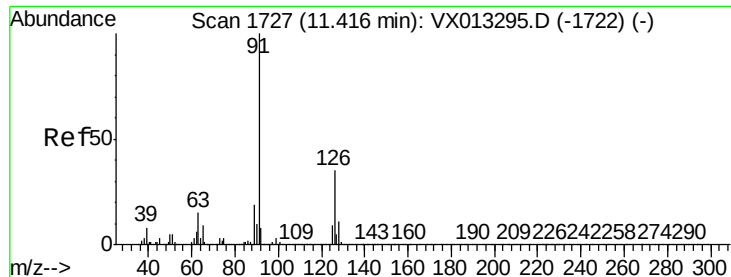
Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.6	34.8





#79

2-Chlorotoluene

Concen: 55.054 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

FA19-RFW1147MS

Tot Ion: 91 Resp: 1135621

Ion Ratio Lower Upper

91 100

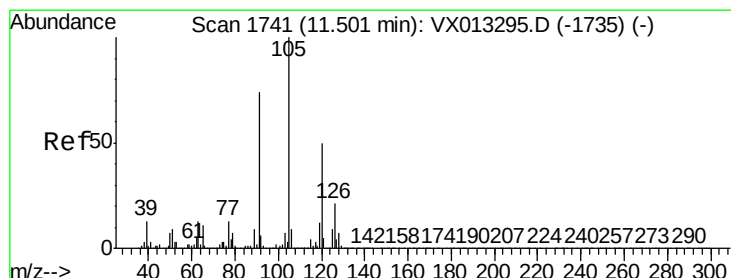
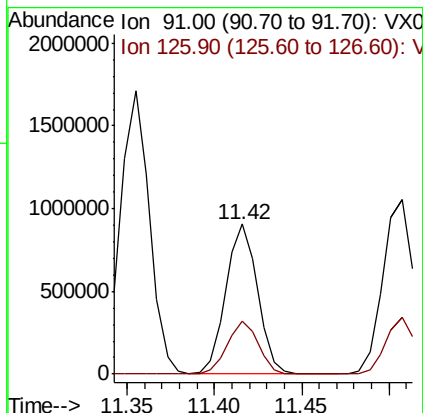
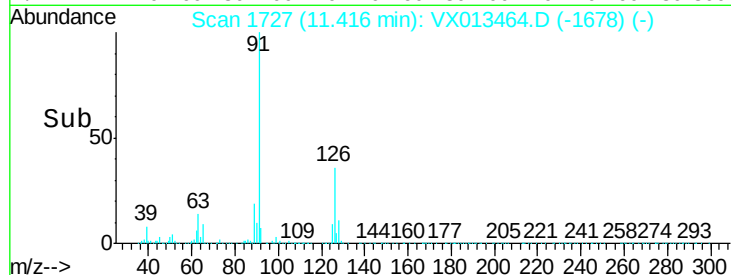
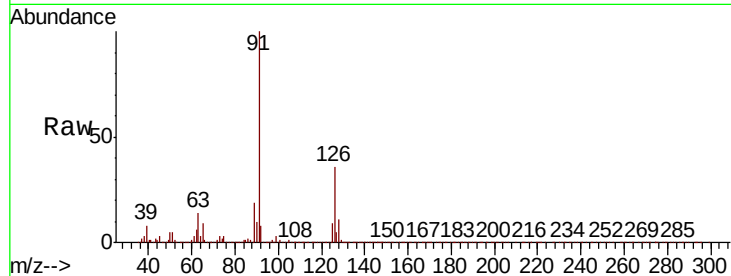
126 35.2 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 56.674 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013464.D

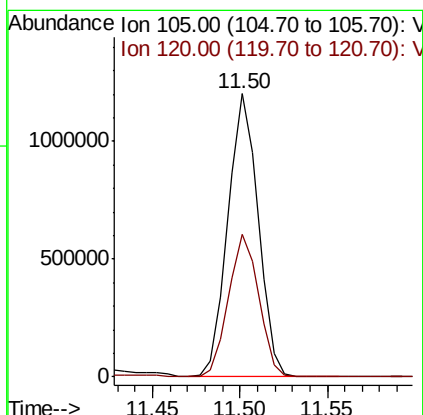
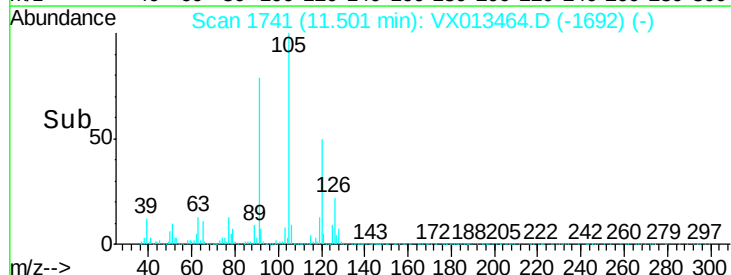
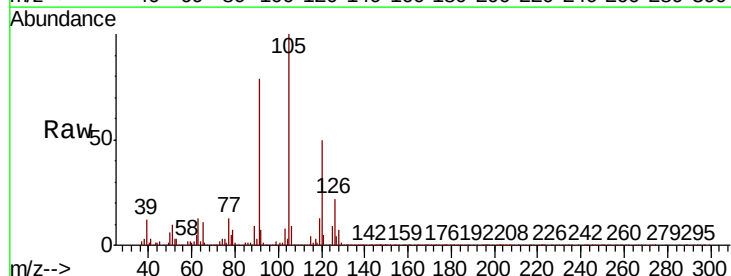
Acq: 19 Nov 2019 15:11

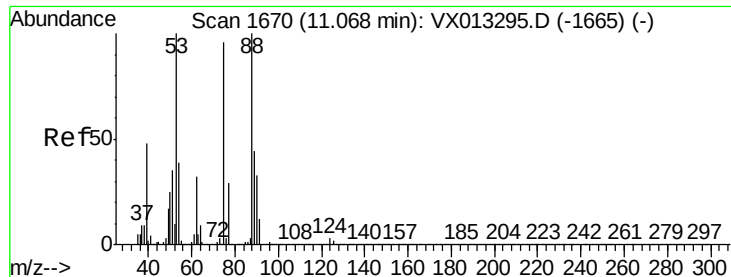
Tgt Ion: 105 Resp: 1450871

Ion Ratio Lower Upper

105 100

120 50.4 24.9 74.8





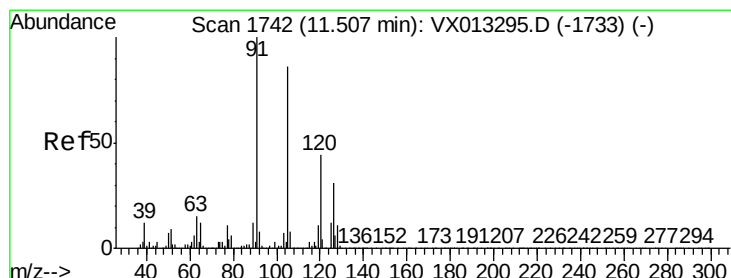
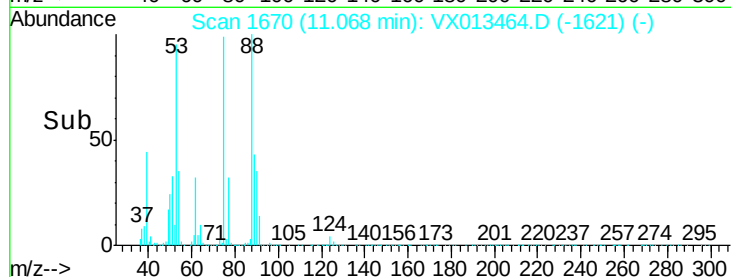
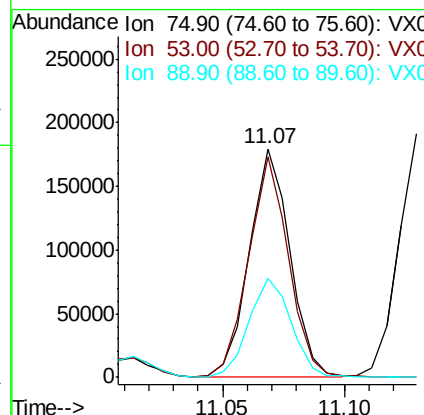
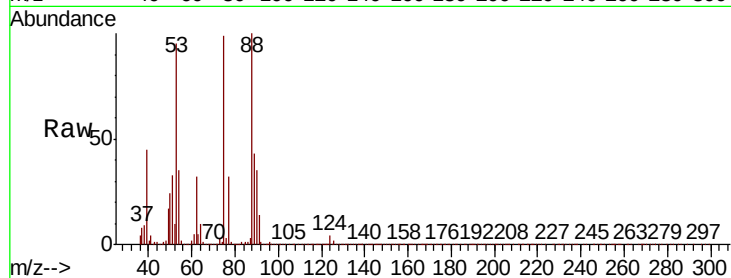
#81
trans-1,4-Dichloro-2-butene
Concen: 56.599 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.1	81.0	121.6
89	44.7	36.0	54.0

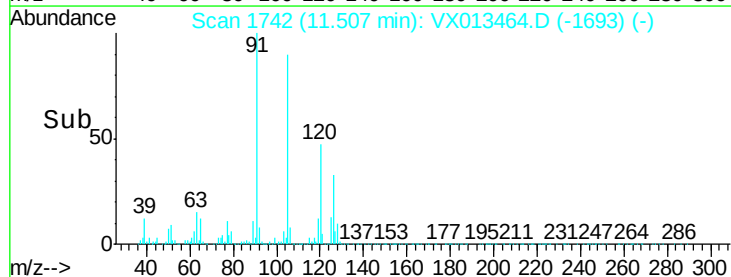
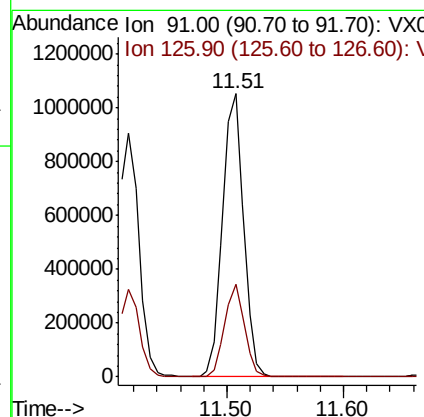
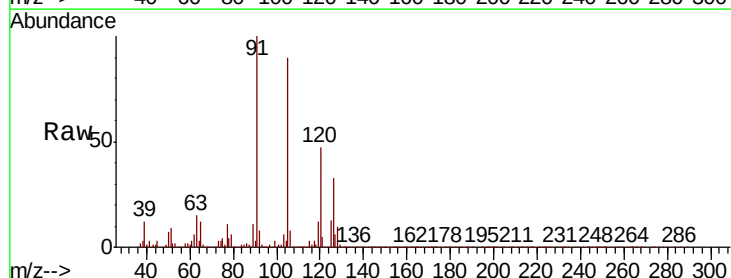
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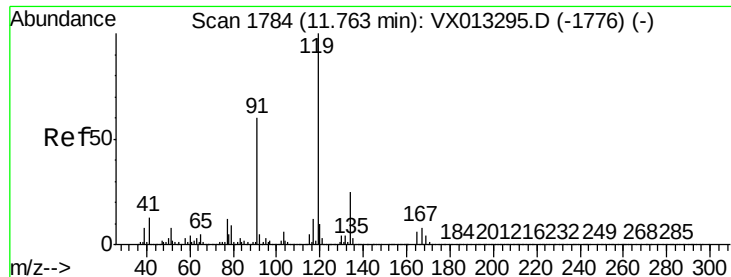
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#82
4-Chlorotoluene
Concen: 54.218 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.8





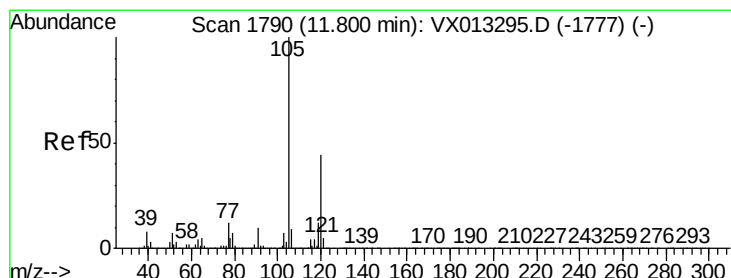
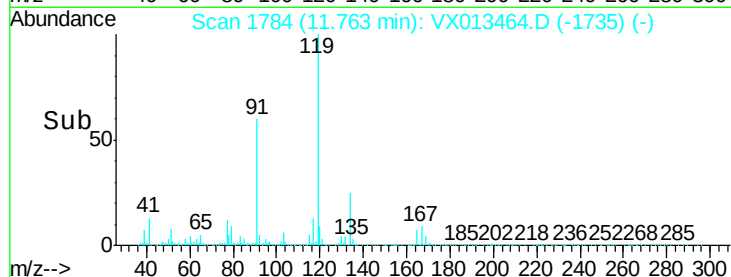
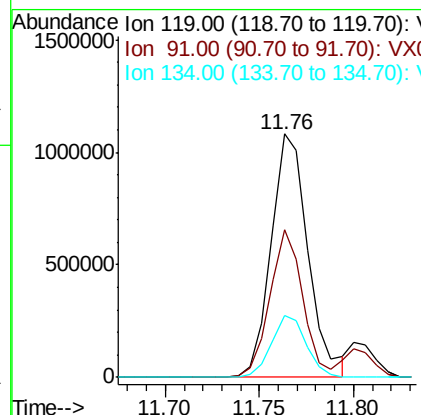
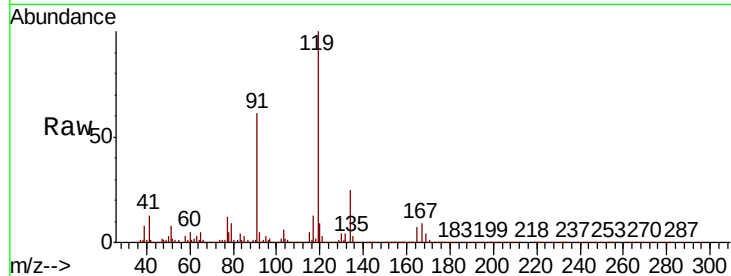
#83
tert-Butylbenzene
Concen: 57.053 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.9	26.9	80.7
134	23.9	11.7	35.1

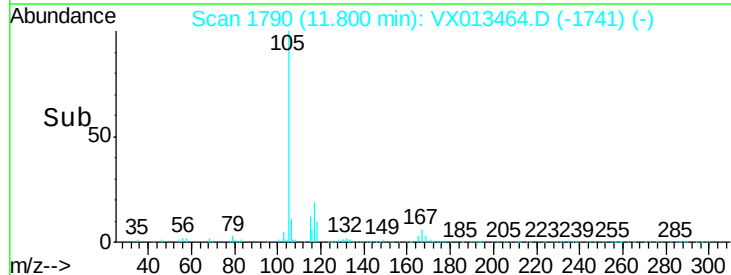
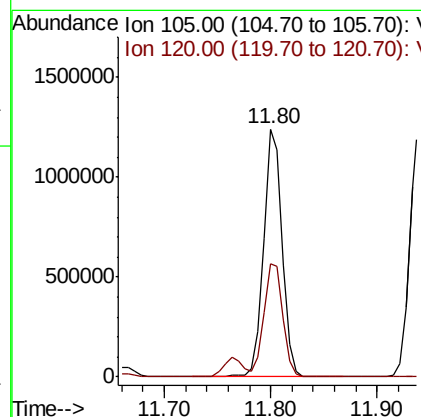
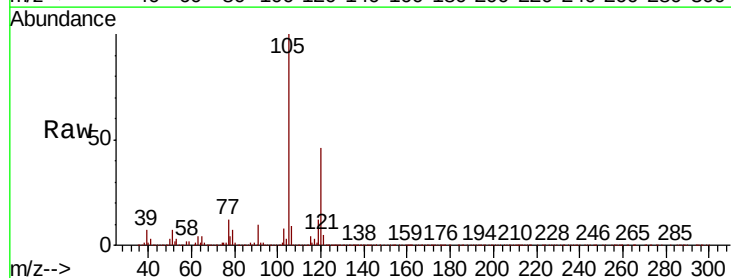
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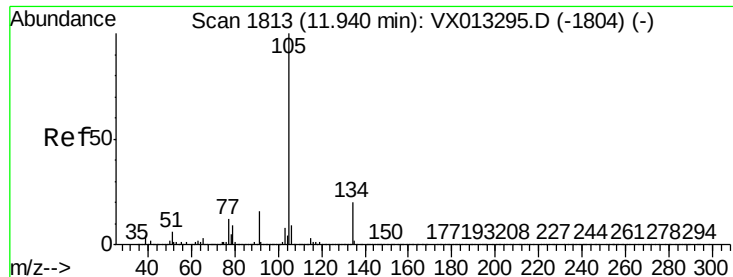
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#84
1,2,4-Trimethylbenzene
Concen: 58.666 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.7	68.1





#85

sec-Butylbenzene

Concen: 57.088 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

FA19-RFW1147MS

Tot Ion:105 Resp: 1690821

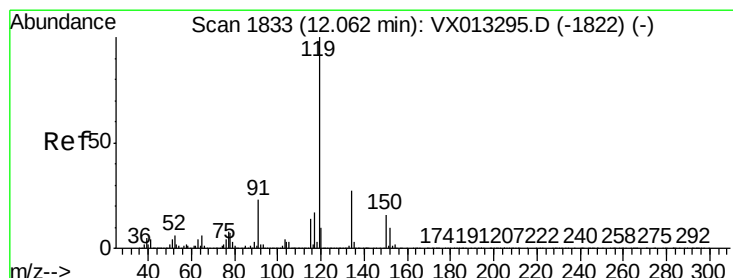
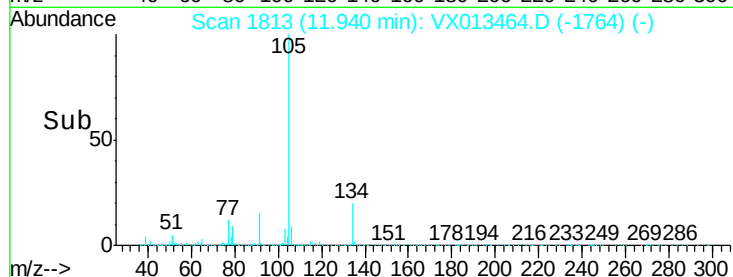
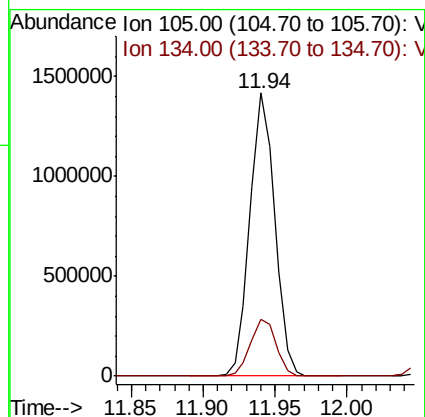
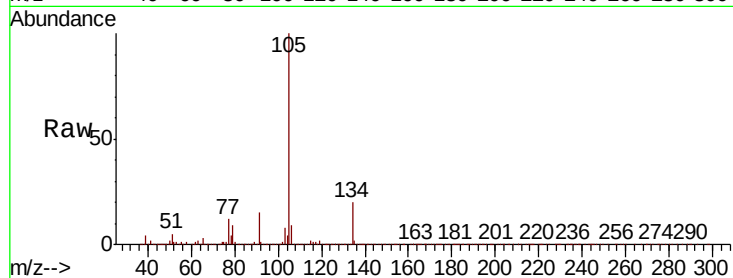
Ion Ratio Lower Upper

105 100

134 21.0 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 57.843 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

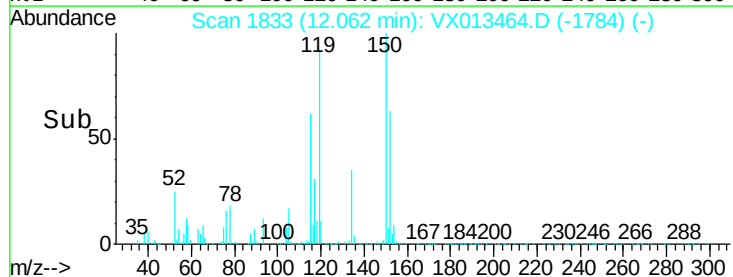
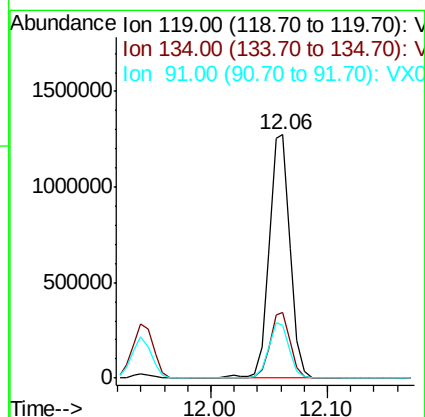
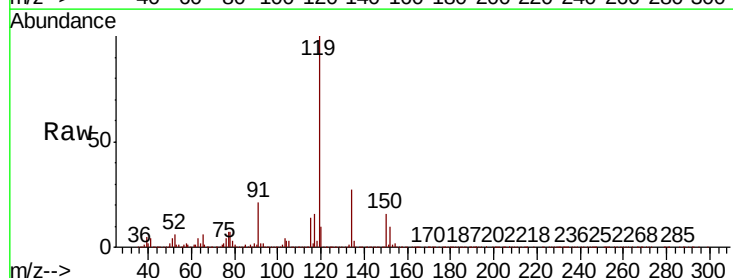
Tgt Ion:119 Resp: 1577535

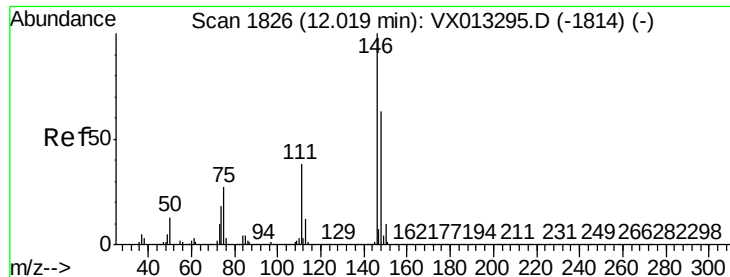
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 22.4 11.5 34.4





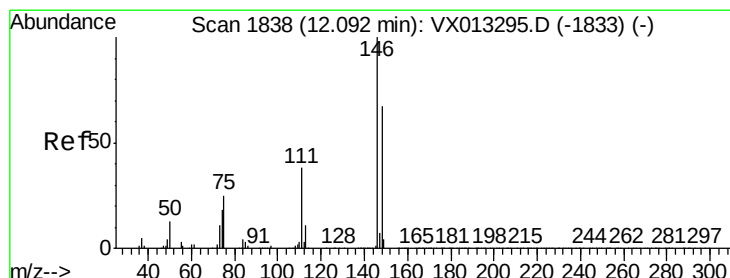
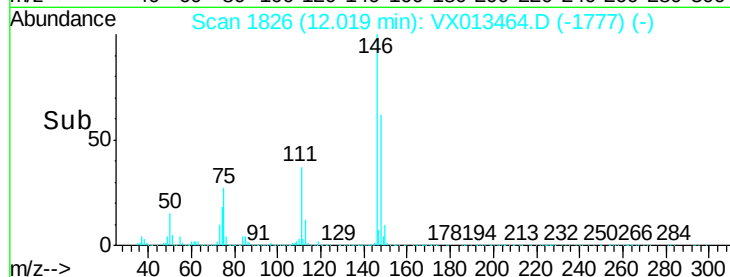
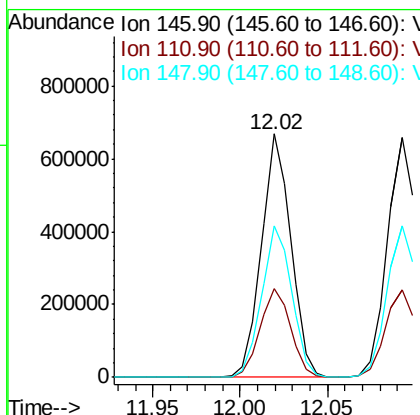
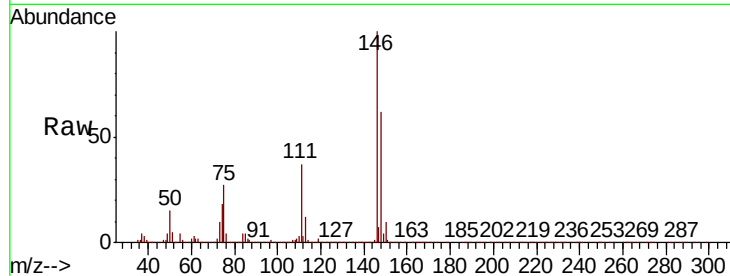
#87
 1,3-Dichlorobenzene
 Concen: 53.862 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013464.D
 Acq: 19 Nov 2019 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	63.3	31.9	95.7

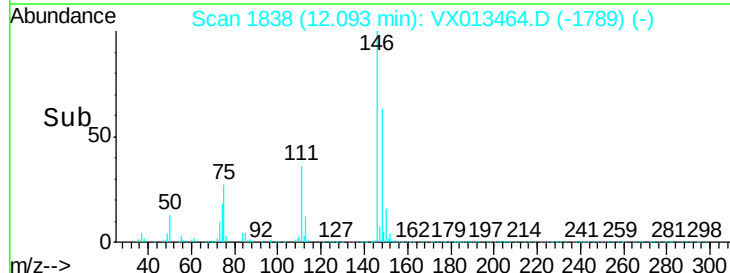
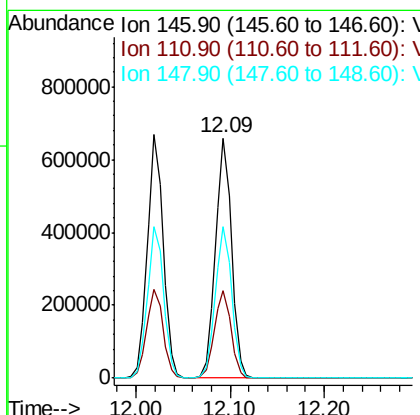
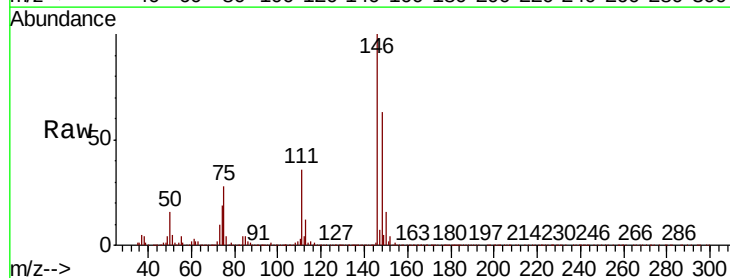
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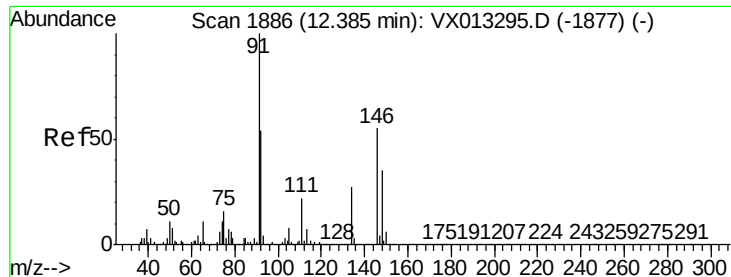
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#88
 1,4-Dichlorobenzene
 Concen: 52.430 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013464.D
 Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.4
148	64.1	32.4	97.0





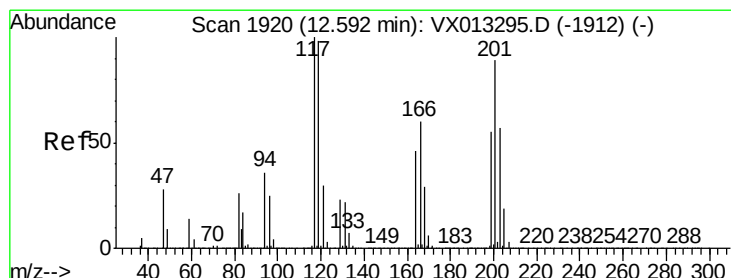
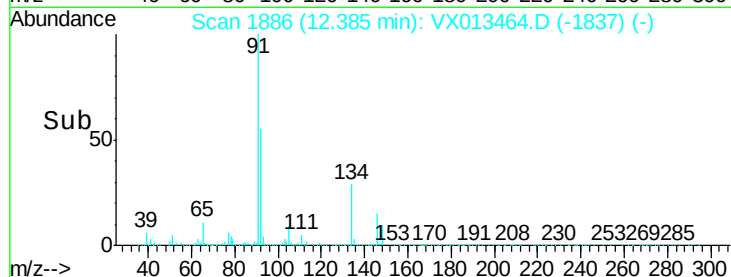
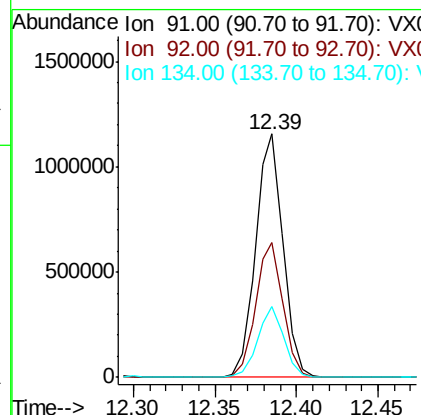
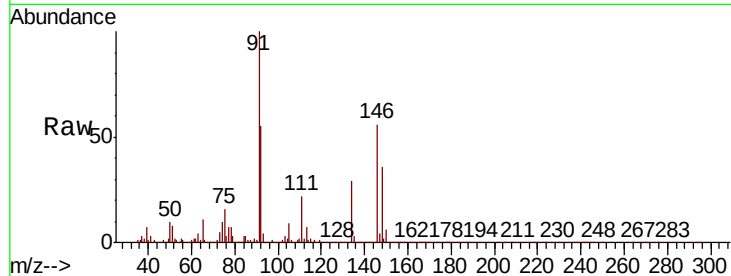
#89
n-Butylbenzene
Concen: 56.674 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.3	27.3	81.8
134	28.0	13.5	40.5

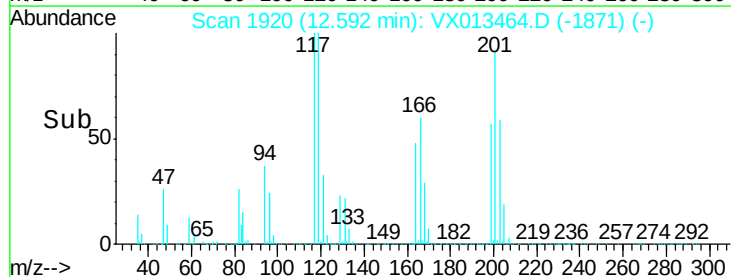
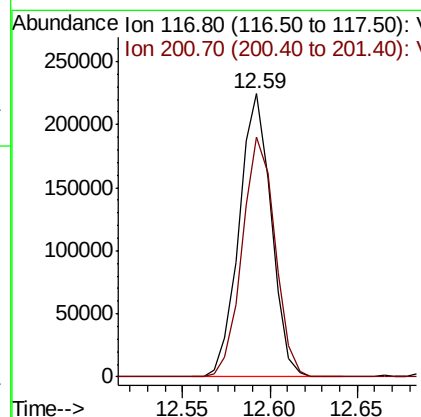
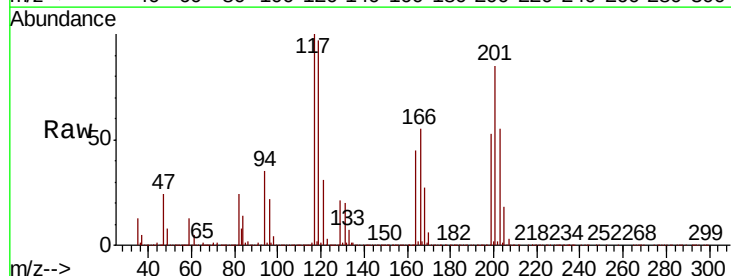
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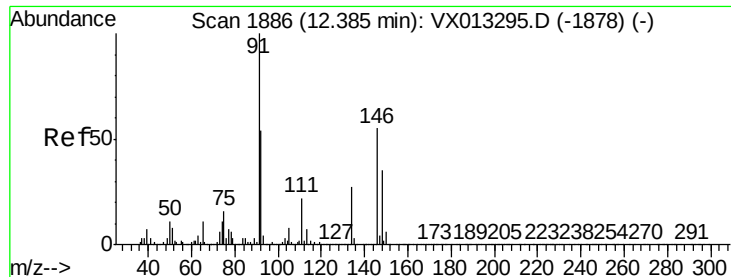
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#90
Hexachloroethane
Concen: 58.805 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	43.9	131.7





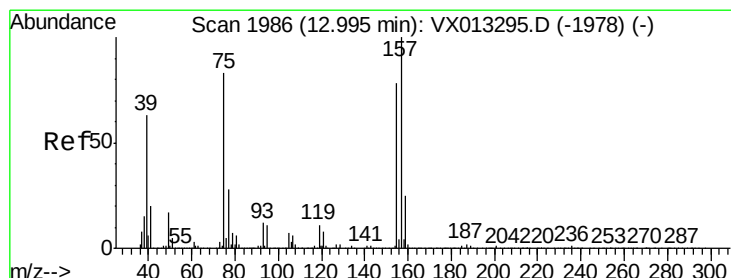
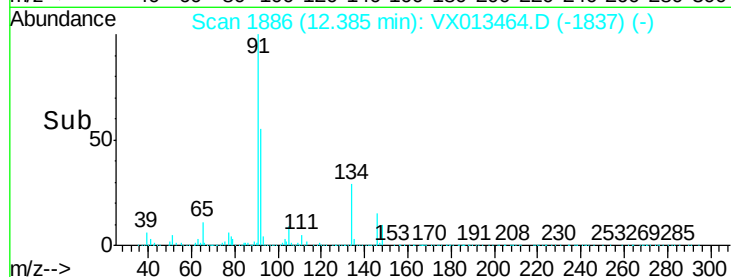
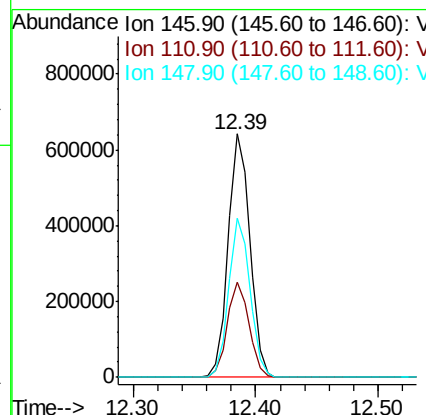
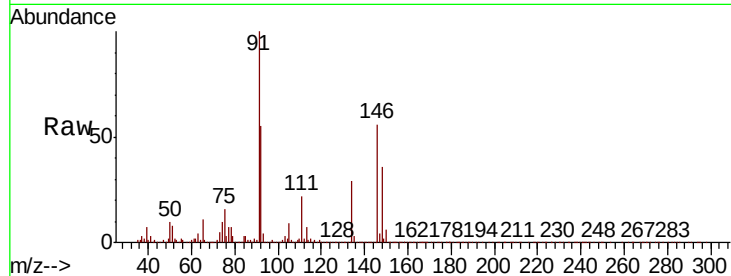
#91
 1,2-Dichlorobenzene
 Concen: 54.128 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013464.D
 Acq: 19 Nov 2019 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.1	60.2
148	64.4	32.0	96.0

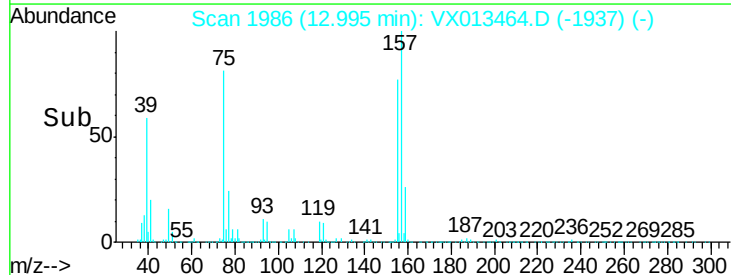
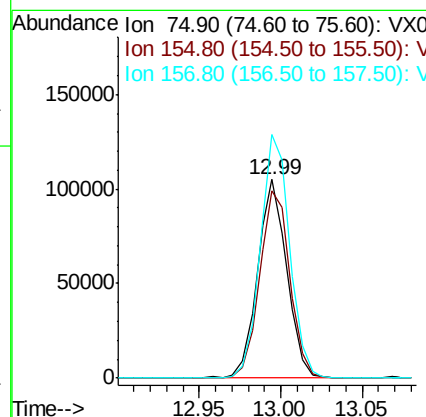
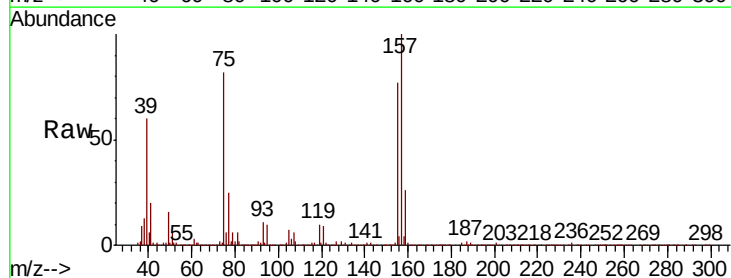
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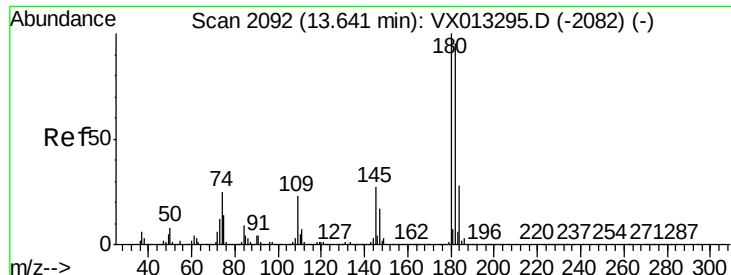
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 11/20/2019 9:18:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.774 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013464.D
 Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	47.1	141.4
157	123.5	61.3	183.8





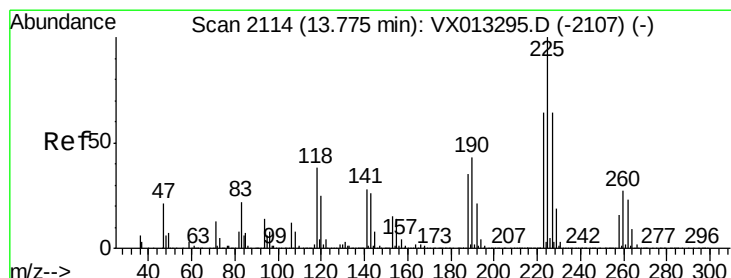
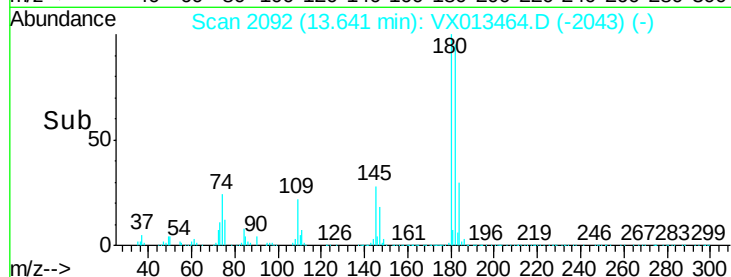
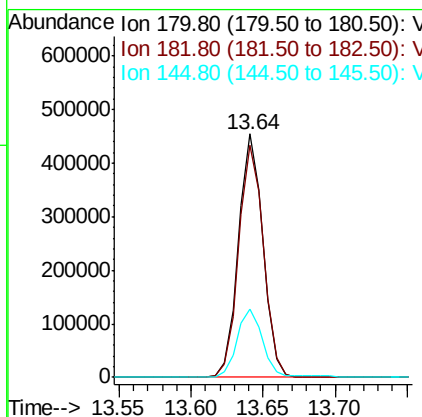
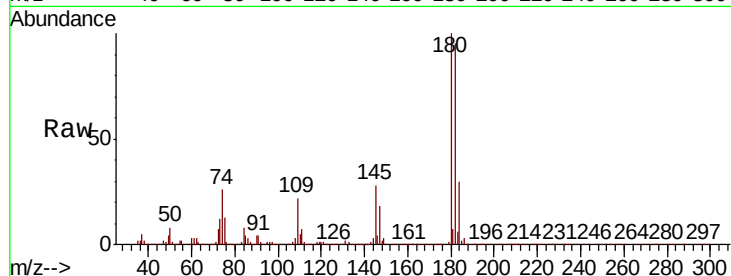
#93
1,2,4-Trichlorobenzene
Concen: 52.771 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Instrument :
MSVOA_X
ClientSampleId :
FA19-RFW1147MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.4	145.0
145	29.7	14.1	42.4

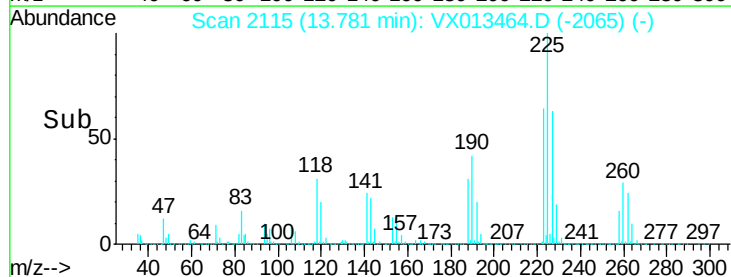
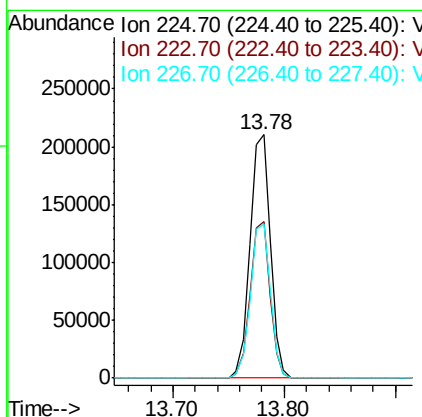
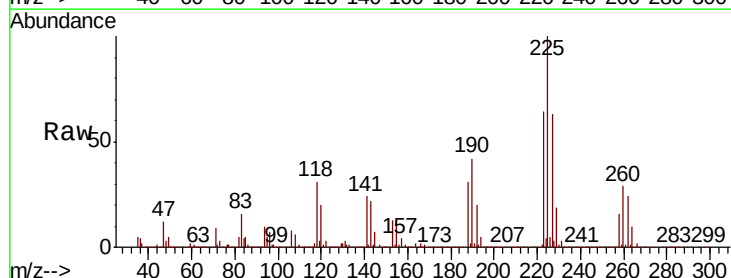
Manual Integrations
APPROVED

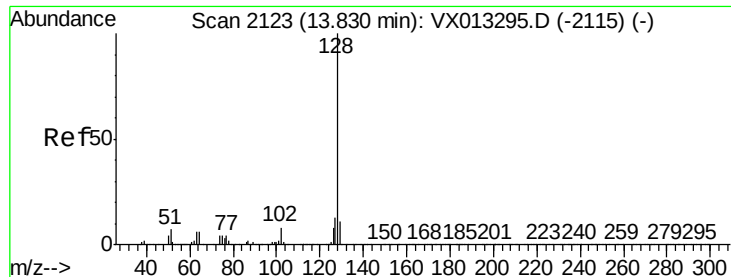
MMDadoda
11/20/2019 9:18:00 AM



#94
Hexachlorobutadiene
Concen: 53.671 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. 0.01 min
Lab File: VX013464.D
Acq: 19 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.9	95.7
227	62.0	31.9	95.9





#95

Naphthalene

Concen: 51.433 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

FA19-RFW1147MS

Tot Ion:128 Resp: 1643324

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

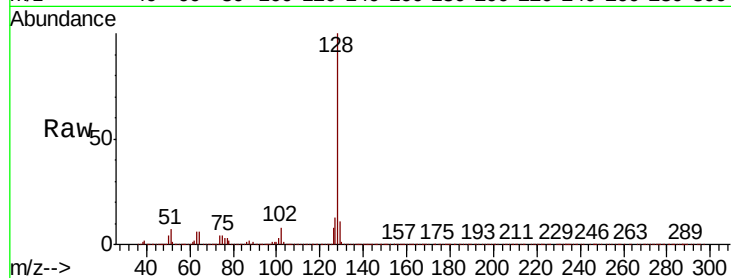
129 10.6 8.5 12.7

Manual Integrations

APPROVED

MMDadoda

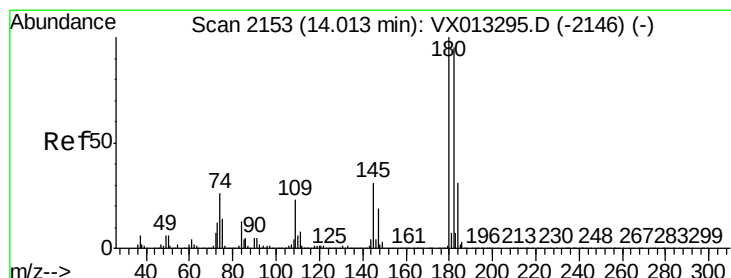
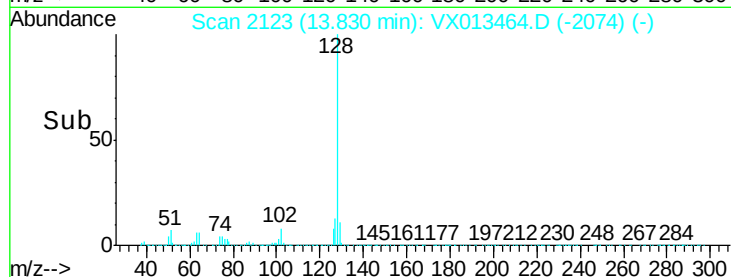
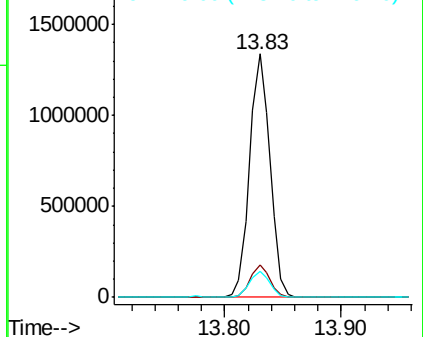
11/20/2019 9:18:00 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.459 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX013464.D

Acq: 19 Nov 2019 15:11

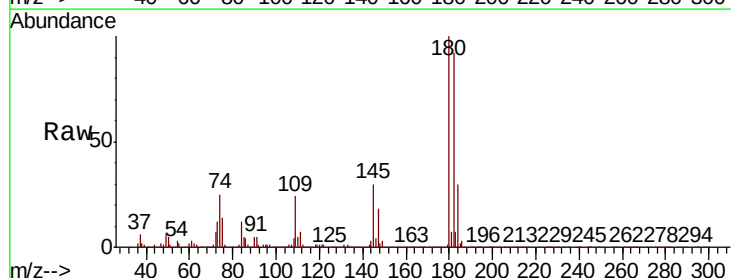
Tgt Ion:180 Resp: 535753

Ion Ratio Lower Upper

180 100

182 94.1 48.0 144.2

145 30.7 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

