

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
 Data File : VX013471.D
 Acq On : 20 Nov 2019 11:36
 Operator : JC/SP
 Sample : VX1120WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1120WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 9:51:00 AM

Quant Time: Nov 21 01:10:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	599129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	895333	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	815121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	405263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	319958	45.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.16%	
35) Dibromofluoromethane	5.48	113	261944	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
50) Toluene-d8	8.71	98	983427	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
62) 4-Bromofluorobenzene	11.13	95	351726	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	113782	16.483	ug/l	99
3) Chloromethane	1.31	50	125962	16.826	ug/l	96
4) Vinyl Chloride	1.40	62	149849	17.583	ug/l	99
5) Bromomethane	1.62	94	90442	15.228	ug/l	96
6) Chloroethane	1.72	64	84664	16.582	ug/l	95
7) Trichlorofluoromethane	1.92	101	168569	16.741	ug/l	97
8) Diethyl Ether	2.17	74	82937	18.627	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	103712	18.480	ug/l	100
10) Methyl Iodide	2.50	142	112073	16.130	ug/l	96
11) Tert butyl alcohol	3.03	59	167350	89.454	ug/l	99
12) 1,1-Dichloroethene	2.36	96	101274	18.428	ug/l	99
13) Acrolein	2.28	56	79465	78.374	ug/l	97
14) Allyl chloride	2.72	41	196030	19.631	ug/l	93
15) Acrylonitrile	3.12	53	351210	100.502	ug/l	99
16) Acetone	2.43	43	307221	86.777	ug/l	99
17) Carbon Disulfide	2.56	76	243008	16.520	ug/l	100
18) Methyl Acetate	2.76	43	204596	20.932	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	373932	20.400	ug/l	98
20) Methylene Chloride	2.84	84	121585	18.588	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	110626	18.488	ug/l	98
22) Diisopropyl ether	3.84	45	401139	20.808	ug/l	91
23) Vinyl Acetate	3.80	43	1645827	99.770	ug/l	100
24) 1,1-Dichloroethane	3.68	63	208680	19.350	ug/l	99
25) 2-Butanone	4.65	43	497716	95.830	ug/l	99
26) 2,2-Dichloropropane	4.56	77	167968	19.579	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	133413	19.903	ug/l	99
28) Bromochloromethane	5.00	49	60232	19.671	ug/l	99
29) Tetrahydrofuran	5.11	42	318208	99.422	ug/l	99
30) Chloroform	5.19	83	209965	19.717	ug/l	98
31) Cyclohexane	5.56	56	177339	18.275	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	171988	18.767	ug/l	99
36) 1,1-Dichloropropene	5.79	75	146099	19.021	ug/l	97
37) Ethyl Acetate	4.82	43	187801	19.787	ug/l	100
38) Carbon Tetrachloride	5.77	117	144614	19.254	ug/l	97

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 APPROVED

MMDadoda
 11/21/2019 9:51:00 AM

Quant Time: Nov 21 01:10:10 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)
39) Methylcyclohexane	7.45	83	181070	18.920	ug/l	97
40) Benzene	6.13	78	463265	19.363	ug/l	98
41) Methacrylonitrile	5.03	41	106452	20.011	ug/l	98
42) 1,2-Dichloroethane	6.18	62	172362	19.972	ug/l	98
43) Isopropyl Acetate	6.43	43	303943	20.566	ug/l	99
44) Trichloroethene	7.20	130	124081	18.840	ug/l	99
45) 1,2-Dichloropropane	7.50	63	122833	20.149	ug/l	98
46) Dibromomethane	7.65	93	81727	19.635	ug/l	97
47) Bromodichloromethane	7.89	83	161074	20.522	ug/l	96
48) Methyl methacrylate	7.76	41	148719	20.159	ug/l	97
49) 1,4-Dioxane	7.73	88	67368	398.744	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	977749	100.837	ug/l	100
52) Toluene	8.78	92	291175	19.636	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	176023	20.509	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	194829	20.293	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	127751	20.785	ug/l	98
56) Ethyl methacrylate	9.17	69	194808	19.548	ug/l	99
57) 1,3-Dichloropropane	9.37	76	211599	20.280	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	412139	98.067	ug/l	99
59) 2-Hexanone	9.48	43	747140	99.710	ug/l	100
60) Dibromochloromethane	9.57	129	129987	20.678	ug/l	97
61) 1,2-Dibromoethane	9.67	107	130124	19.937	ug/l	99
64) Tetrachloroethene	9.33	164	111071	19.035	ug/l	95
65) Chlorobenzene	10.14	112	326145	19.763	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	122005	20.135	ug/l	97
67) Ethyl Benzene	10.25	91	549955	19.309	ug/l	98
68) m/p-Xylenes	10.35	106	423495	39.316	ug/l	100
69) o-Xylene	10.70	106	206565	19.588	ug/l	100
70) Styrene	10.71	104	346962	19.682	ug/l	99
71) Bromoform	10.85	173	99867	19.840	ug/l #	99
73) Isopropylbenzene	11.01	105	548649	20.419	ug/l	100
74) N-amyl acetate	10.89	43	259982	20.865	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	207905	21.210	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	163480m	19.860	ug/l	
77) Bromobenzene	11.25	156	145878	20.365	ug/l	98
78) n-propylbenzene	11.35	91	610776	20.406	ug/l	99
79) 2-Chlorotoluene	11.42	91	365639	20.276	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	452430	20.215	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	61772	19.316	ug/l	100
82) 4-Chlorotoluene	11.51	91	412605	19.546	ug/l	98
83) tert-Butylbenzene	11.76	119	459983	20.417	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	460086	20.493	ug/l	100
85) sec-Butylbenzene	11.94	105	534150	20.629	ug/l	100
86) p-Isopropyltoluene	12.06	119	490645	20.578	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	252091	19.744	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	254445	19.559	ug/l	99
89) n-Butylbenzene	12.39	91	408040	19.613	ug/l	100
90) Hexachloroethane	12.59	117	84662	19.929	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	255336	20.006	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	42882	17.956	ug/l	100

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MSVOA_X
ClientSampleId :
VX1120WBSD01

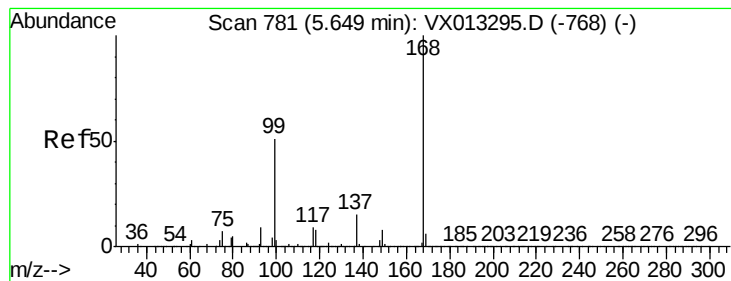
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	170997	19.207	ug/l	98
94) Hexachlorobutadiene	13.78	225	83167	19.094	ug/l	99
95) Naphthalene	13.83	128	527407	18.881	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	172980	19.374	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1120WBSD01

Tot Ion:168 Resp: 599129

Ion Ratio Lower Upper

168 100

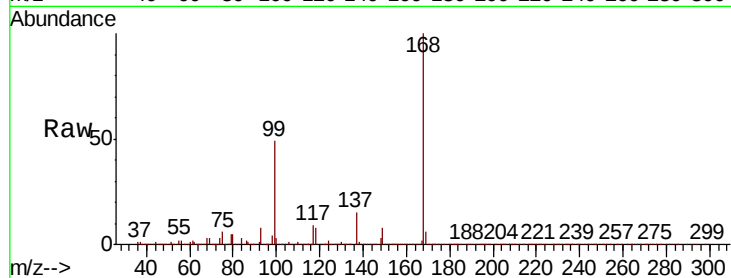
99 49.2 40.8 61.2

Manual Integrations

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11/21/2019 9:51:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

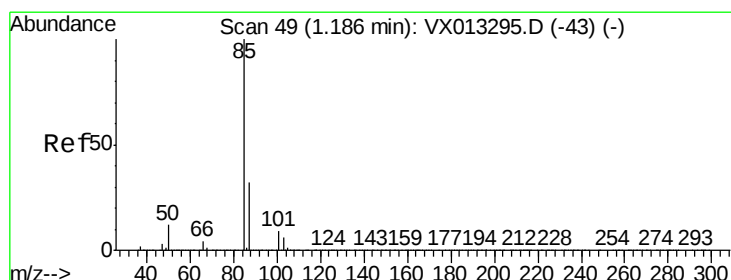
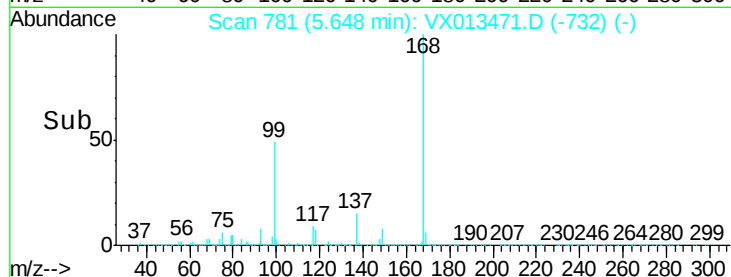
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.483 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX013471.D

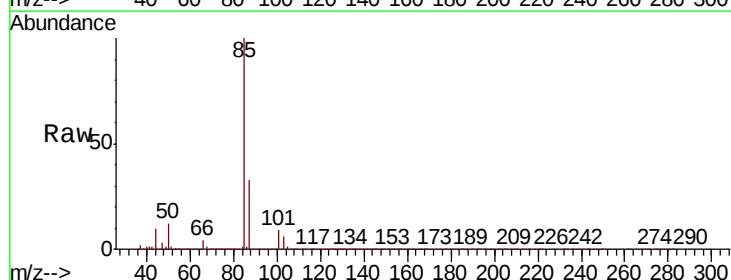
Acq: 20 Nov 2019 11:36

Tgt Ion: 85 Resp: 113782

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

120000

100000

80000

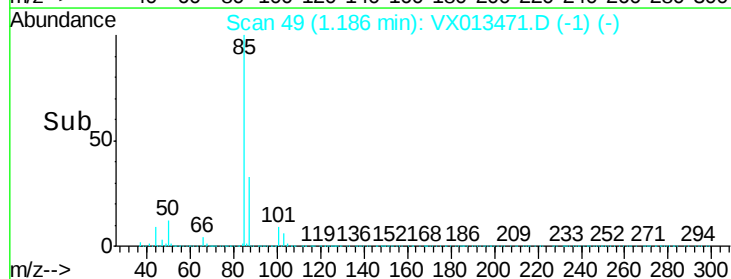
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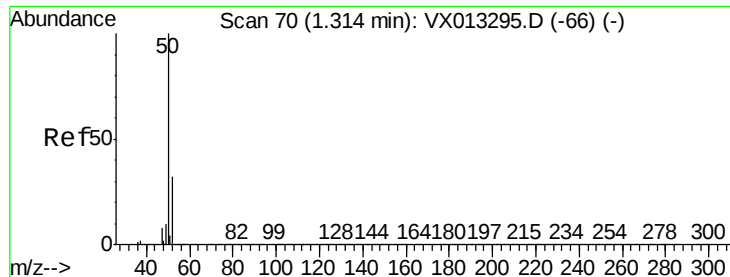
40000

20000

0

Time-->





#3

Chloromethane

Concen: 16.826 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1120WBSD01

Tot Ion: 50 Resp: 125962

Ion Ratio Lower Upper

50 100

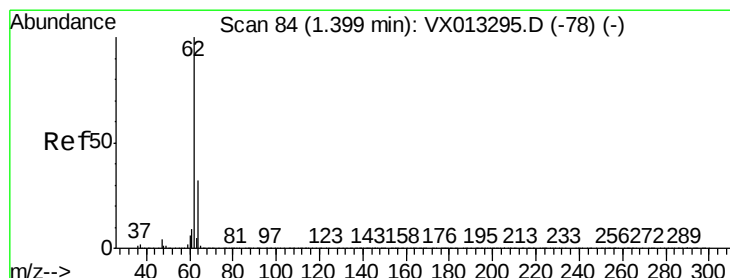
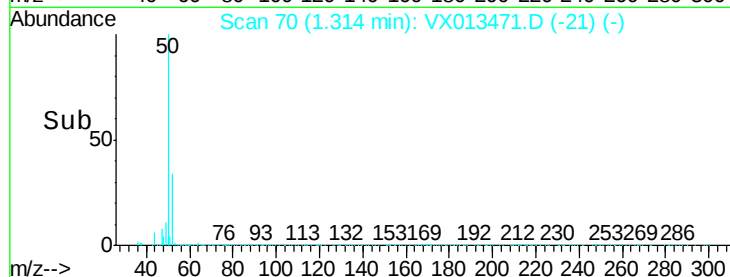
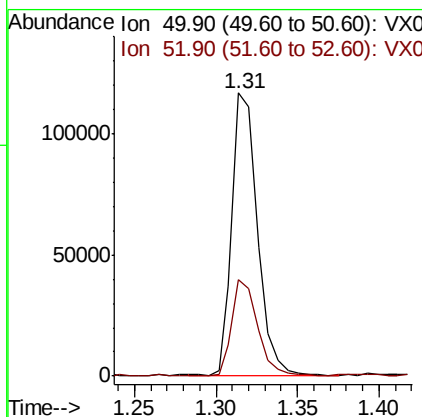
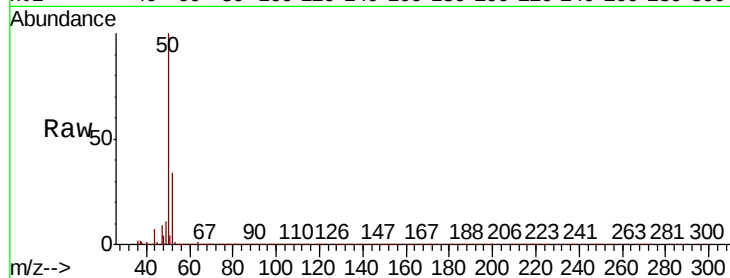
52 33.9 25.5 38.3

Manual Integrations

APPROVED

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11/21/2019 9:51:00 AM



#4

Vinyl Chloride

Concen: 17.583 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013471.D

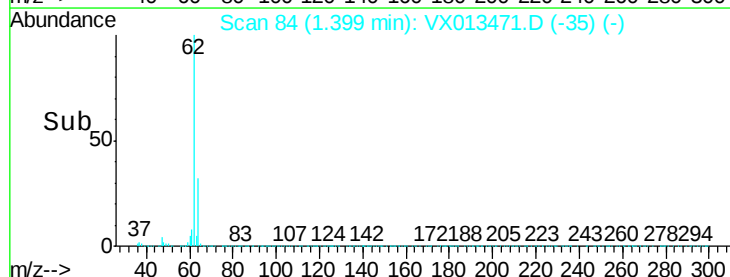
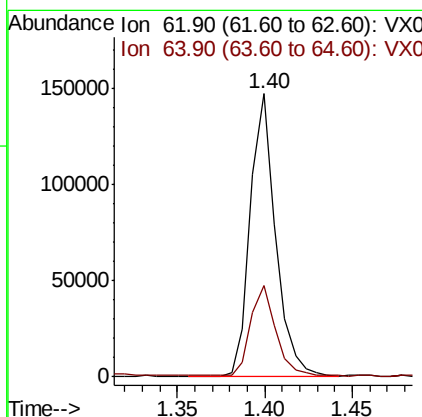
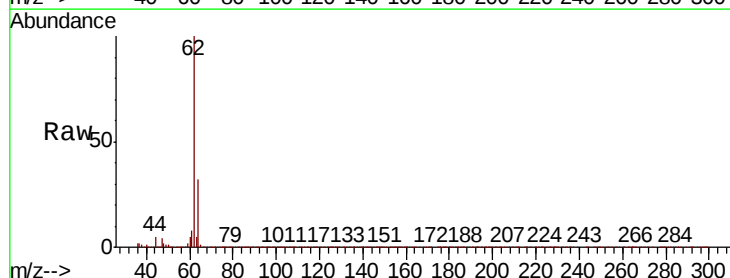
Acq: 20 Nov 2019 11:36

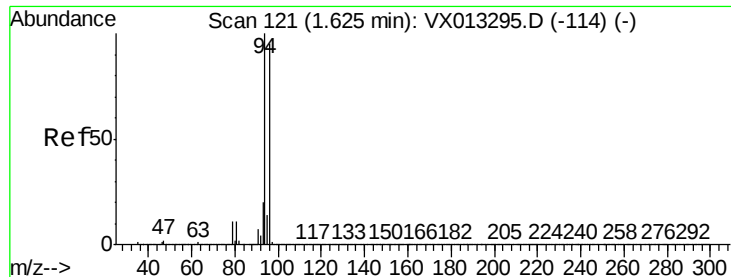
Tgt Ion: 62 Resp: 149849

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 15.228 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1120WBSD01

Tot Ion: 94 Resp: 90442

Ion Ratio Lower Upper

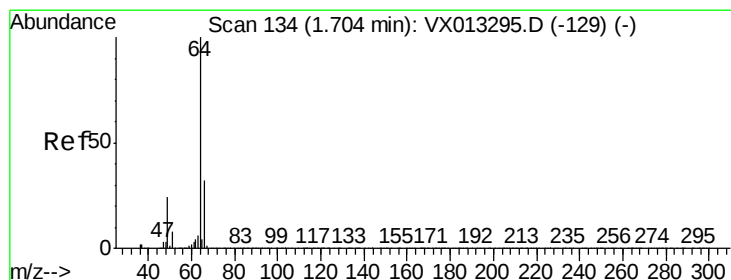
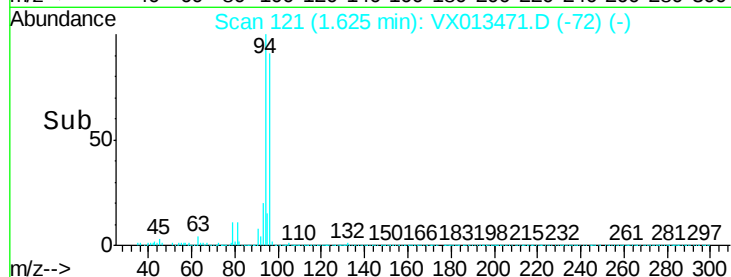
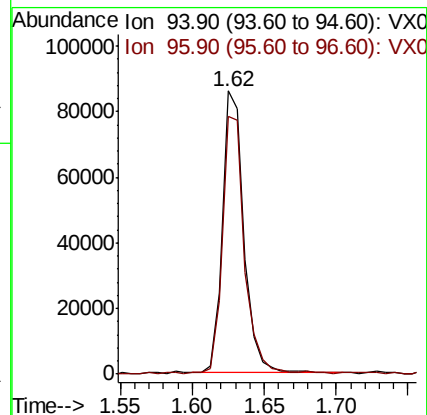
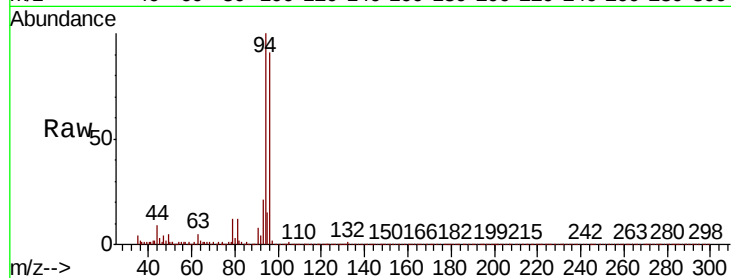
94 100

96 91.1 75.8 113.8

Manual Integrations
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11/21/2019 9:51:00 AM



#6

Chloroethane

Concen: 16.582 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013471.D

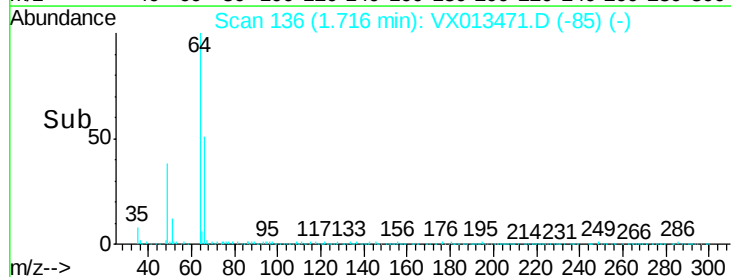
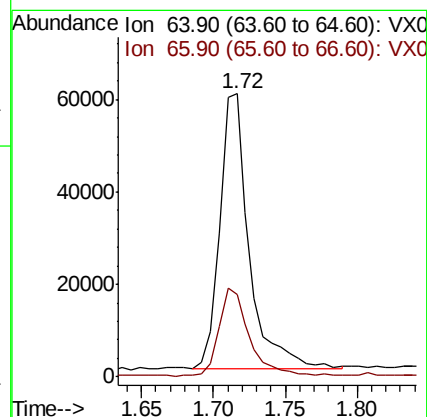
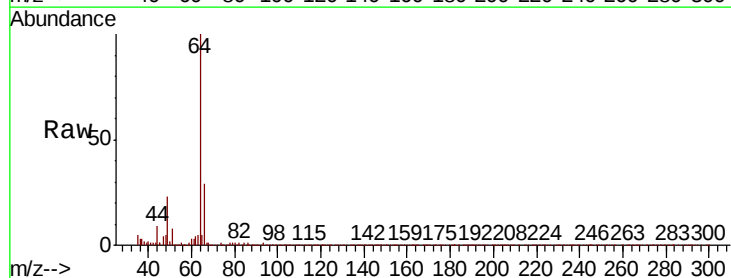
Acq: 20 Nov 2019 11:36

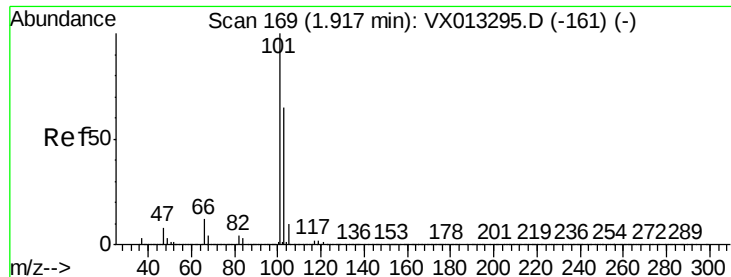
Tgt Ion: 64 Resp: 84664

Ion Ratio Lower Upper

64 100

66 29.5 25.6 38.4





#7

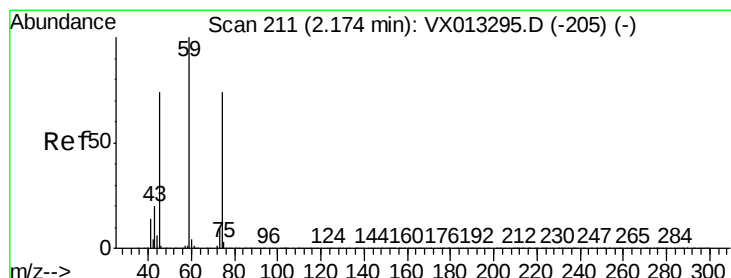
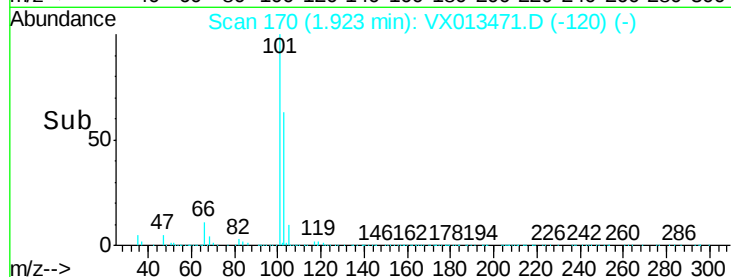
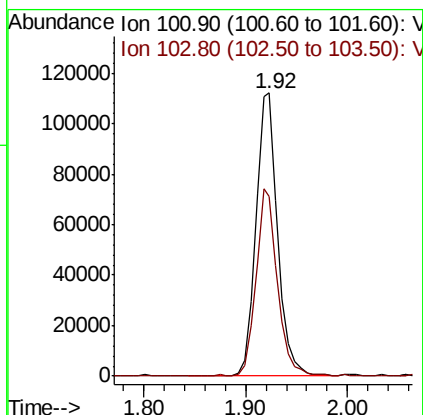
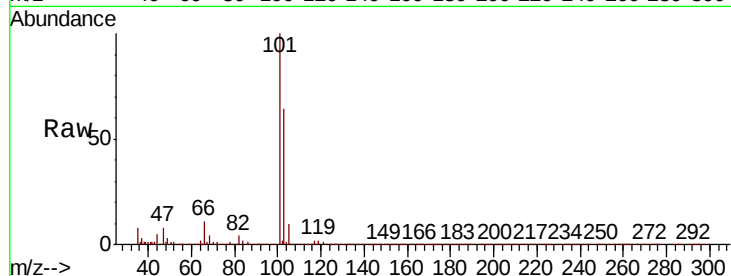
Trichlorofluoromethane
Concen: 16.741 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.3	78.5

Manual Integrations
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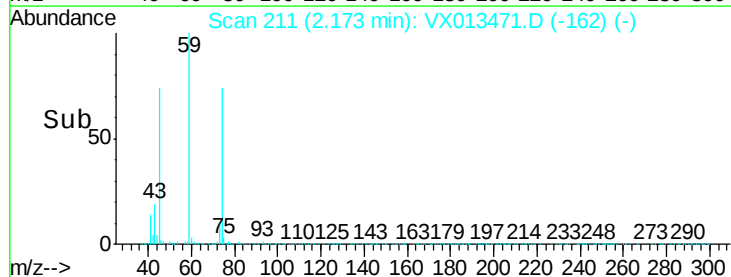
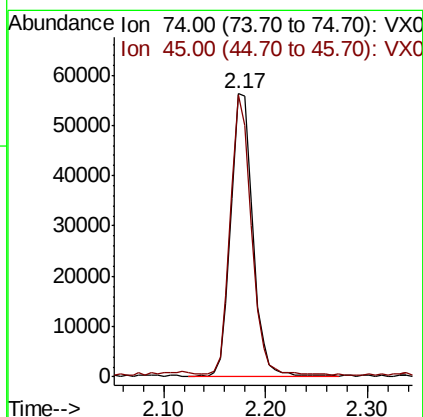
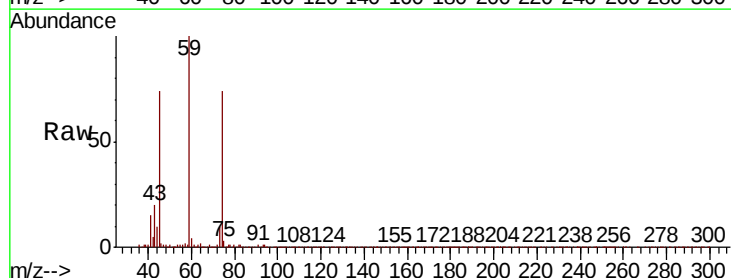
MMDadoda
11/21/2019 9:51:00 AM

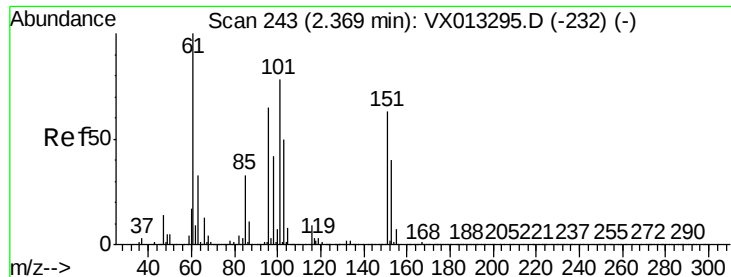


#8

Diethyl Ether
Concen: 18.627 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.5	48.5	145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.480 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

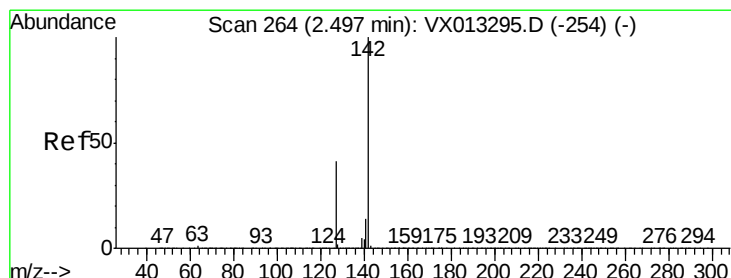
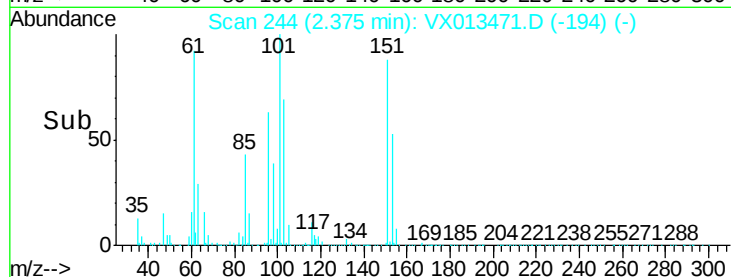
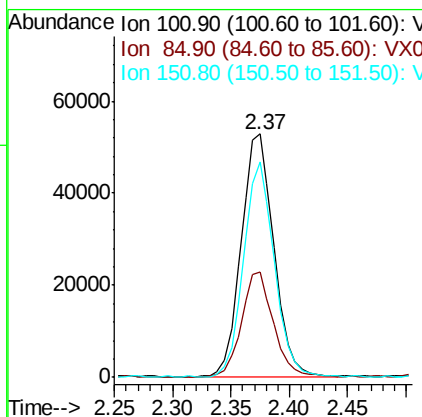
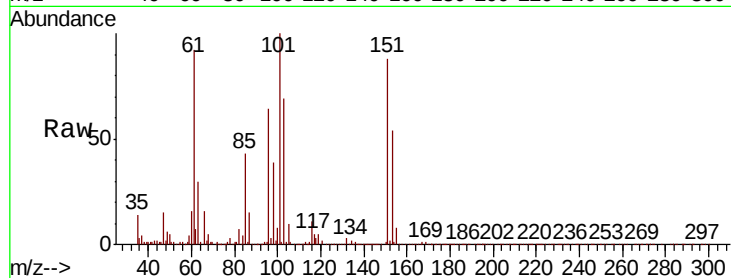
ClientSampleId :

VX1120WBSD01

Tot Ion:	101	Resp:	103712
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.4	51.6
151	83.4	66.4	99.6

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#10

Methyl Iodide

Concen: 16.130 ug/l

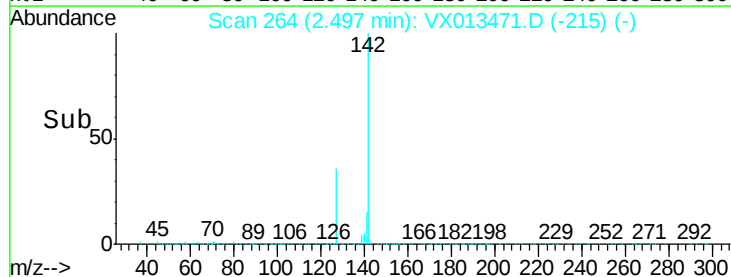
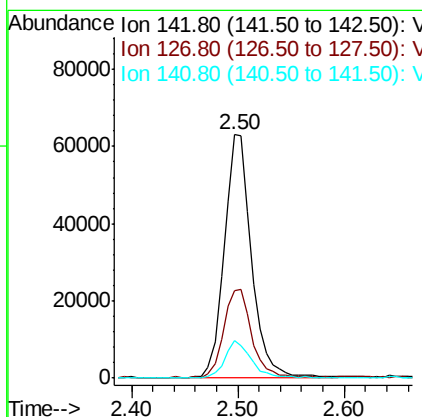
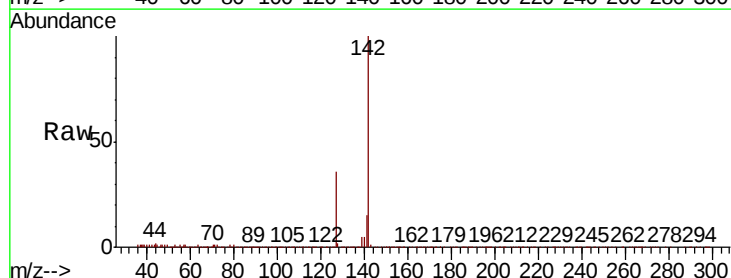
RT: 2.50 min Scan# 264

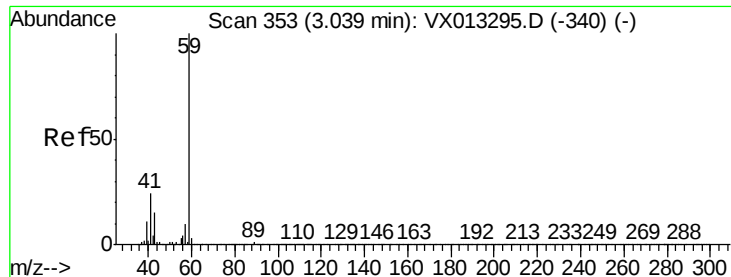
Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Tgt Ion:	142	Resp:	112073
Ion Ratio	Lower	Upper	
142	100		
127	37.3	32.6	49.0
141	14.8	11.6	17.4





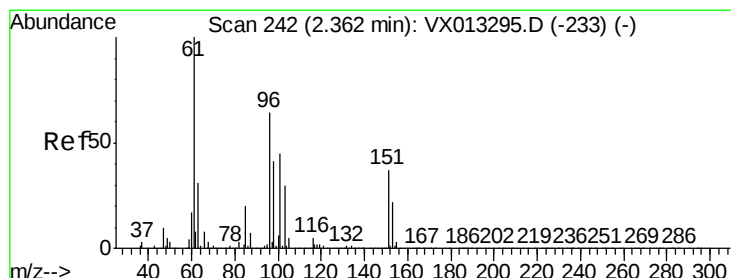
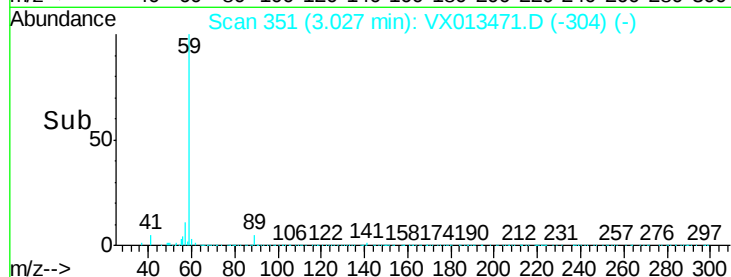
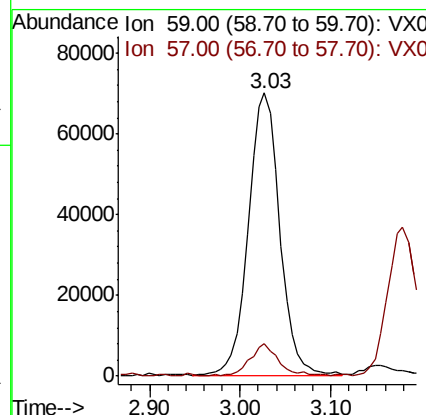
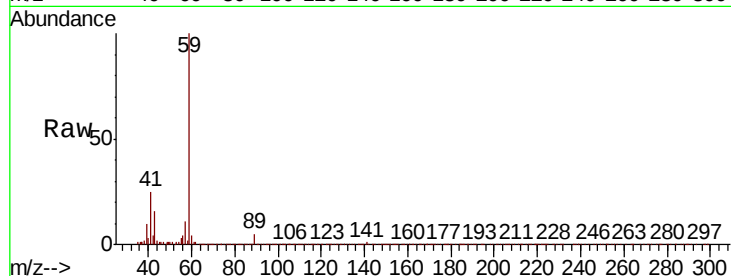
#11
Tert butyl alcohol
Concen: 89.454 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.0	12.0

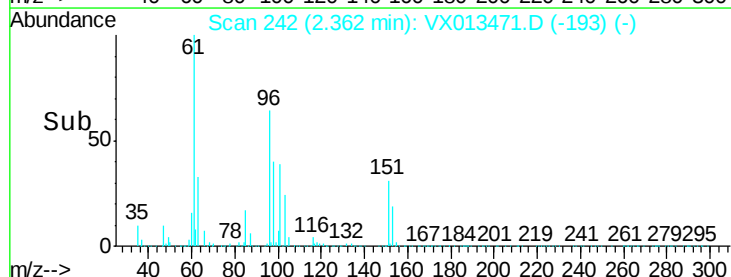
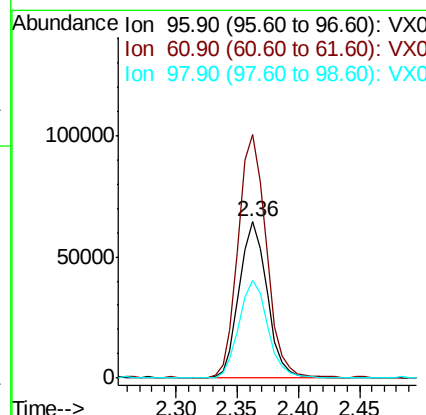
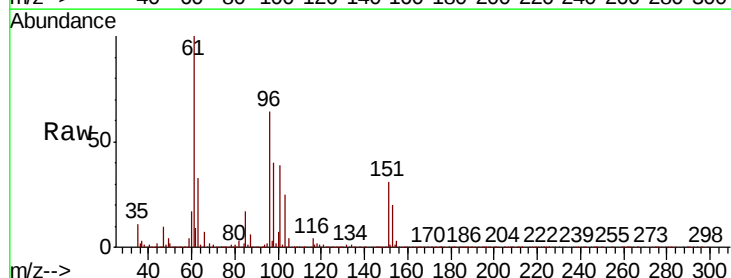
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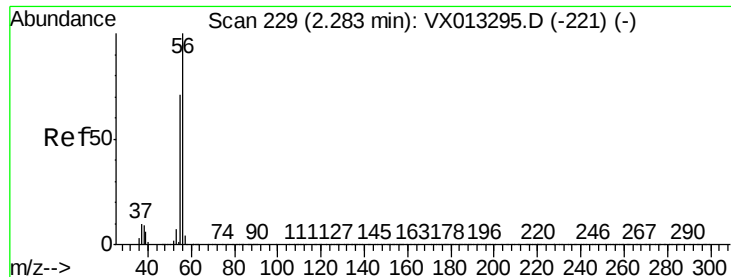
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.428 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.7	125.0	187.6
98	62.5	50.7	76.1





#13

Acrolein

Concen: 78.374 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1120WBSD01

Tot Ion: 56 Resp: 79465

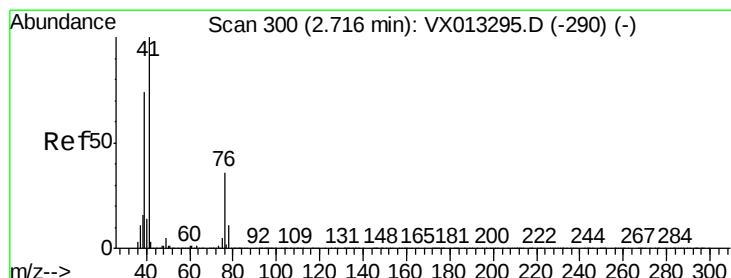
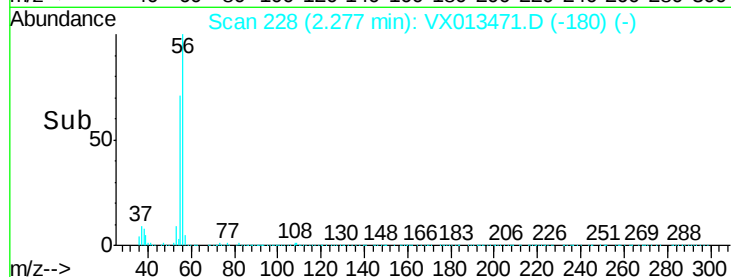
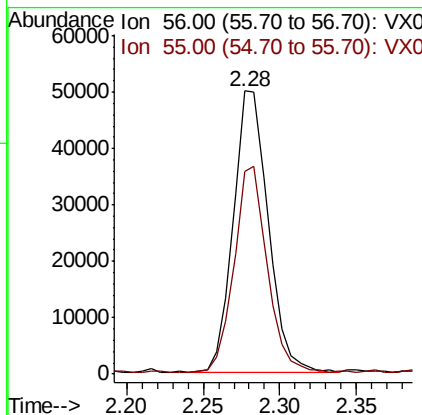
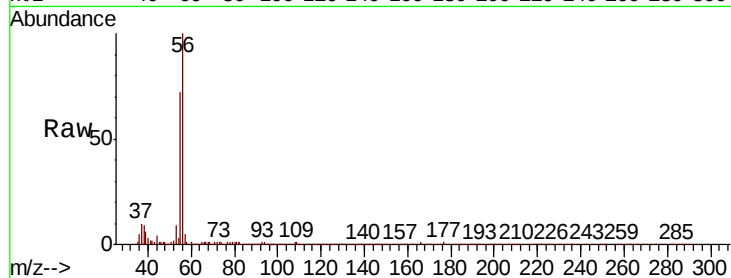
Ion Ratio Lower Upper

56 100

55 68.9 57.4 86.0

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#14

Allyl chloride

Concen: 19.631 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

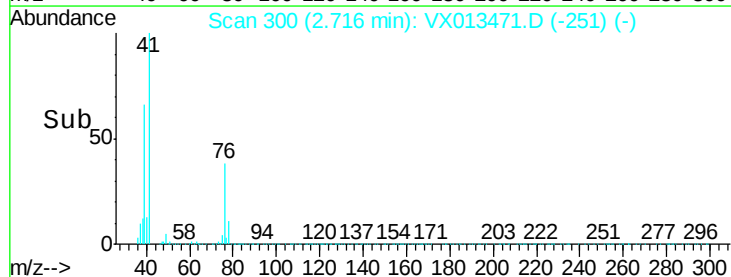
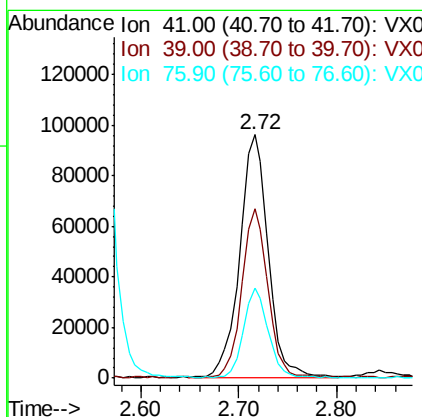
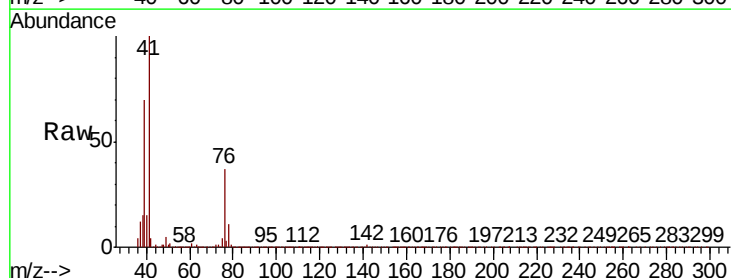
Tgt Ion: 41 Resp: 196030

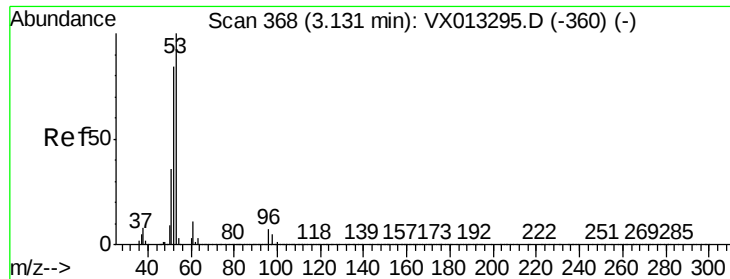
Ion Ratio Lower Upper

41 100

39 62.5 55.8 83.8

76 31.8 26.4 39.6





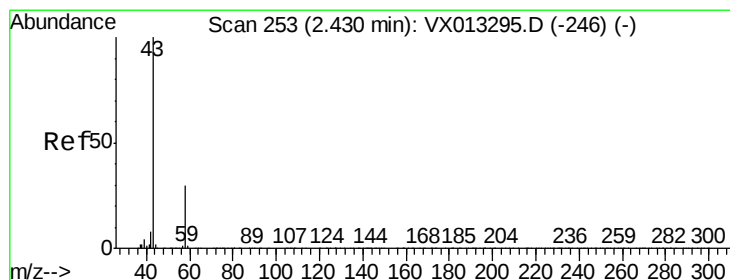
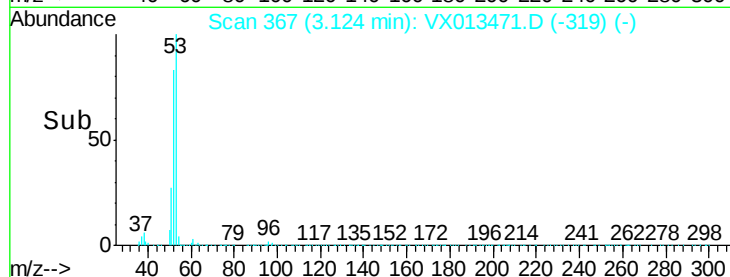
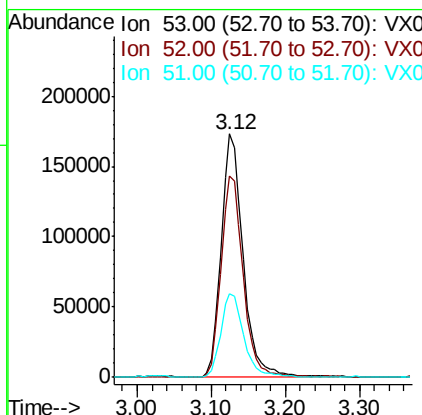
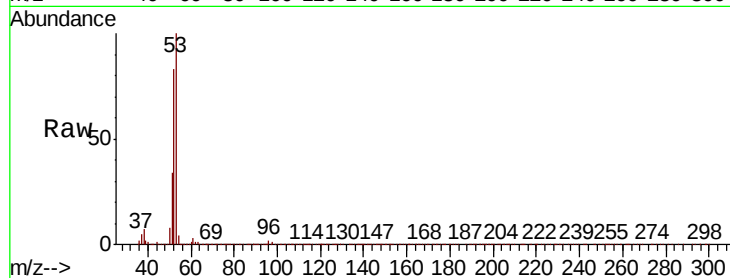
#15
Acrylonitrile
Concen: 100.502 ug/l
RT: 3.12 min Scan# 367
Delta R.T. -0.01 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.4	67.4	101.0
51	36.2	29.4	44.2

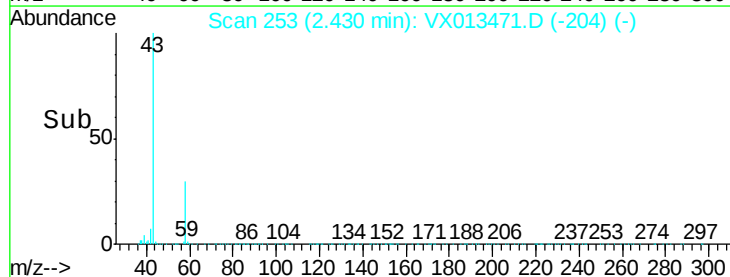
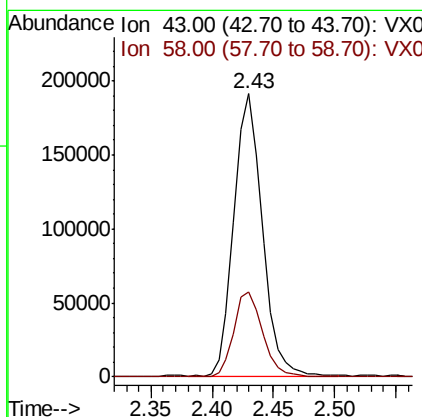
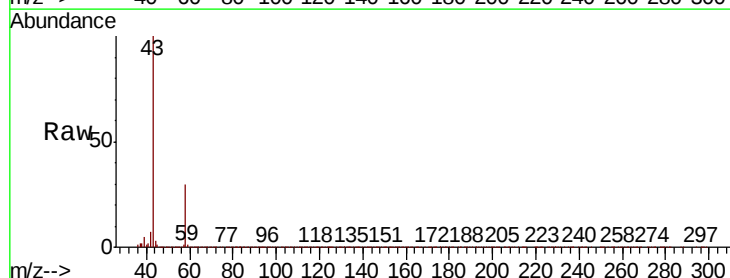
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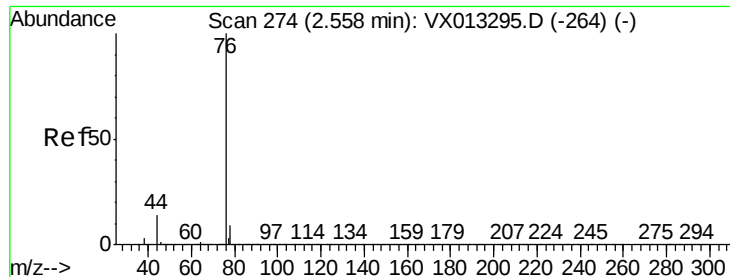
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#16
Acetone
Concen: 86.777 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.3	36.5





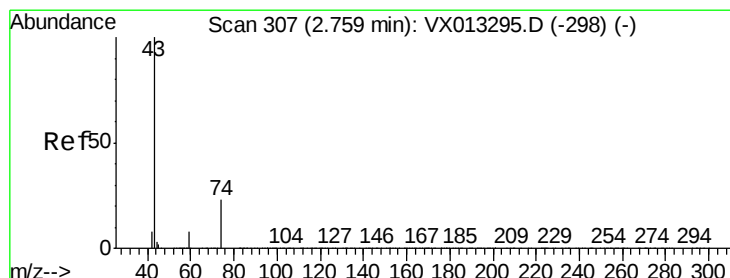
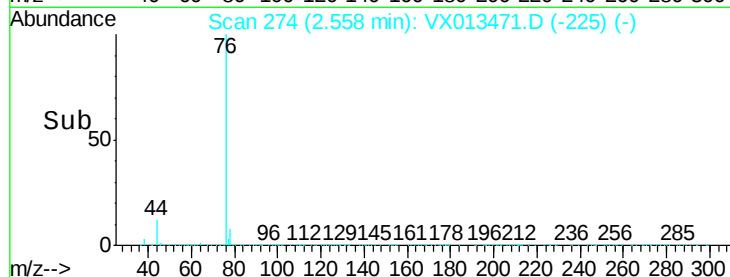
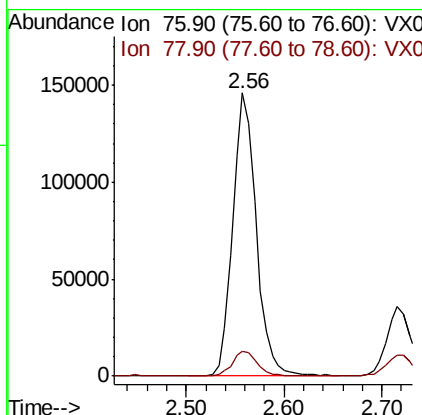
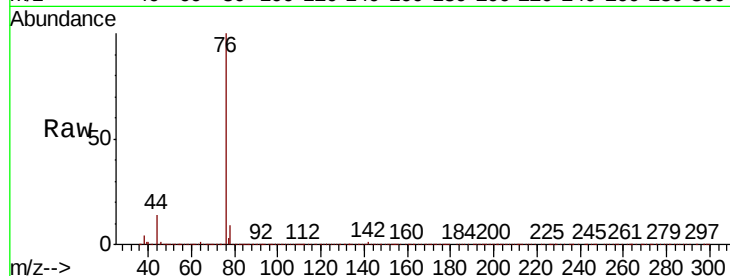
#17
Carbon Disulfide
Concen: 16.520 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6

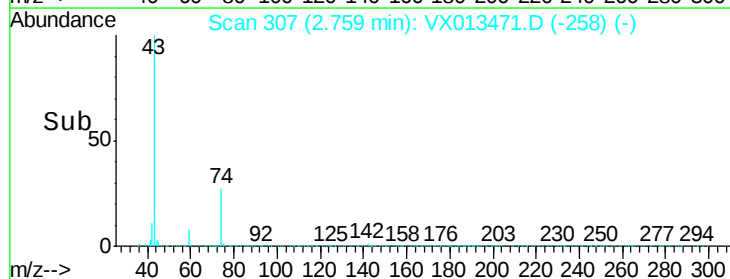
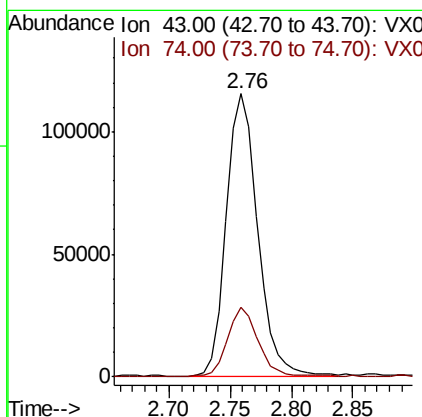
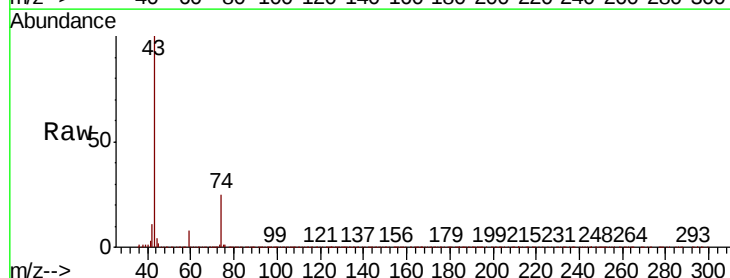
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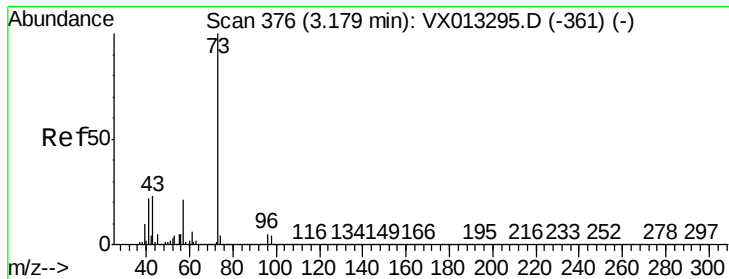
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#18
Methyl Acetate
Concen: 20.932 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.0	28.6





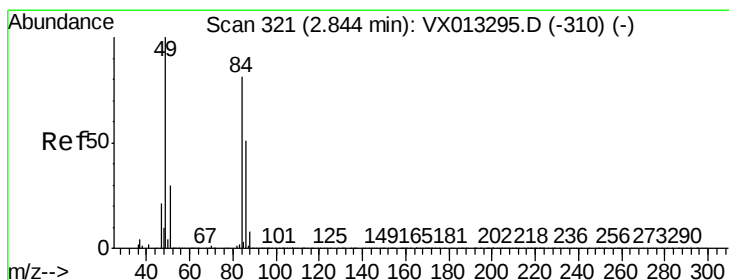
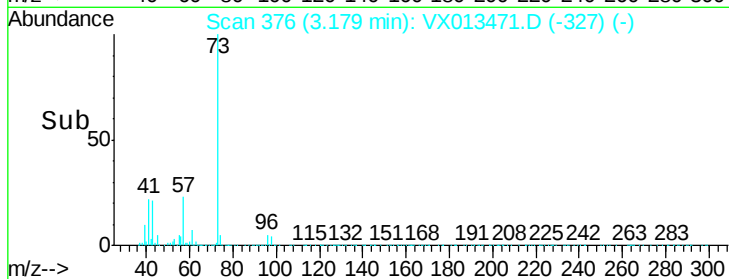
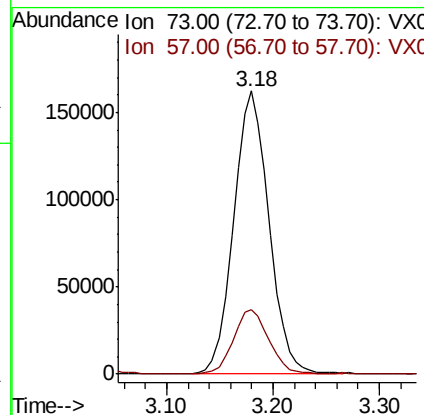
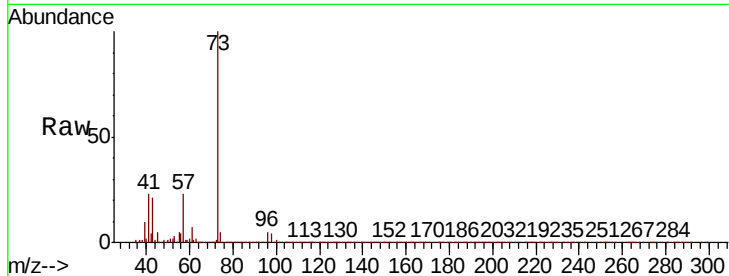
#19
Methvl tert-butvl Ether
Concen: 20.400 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.1	25.7

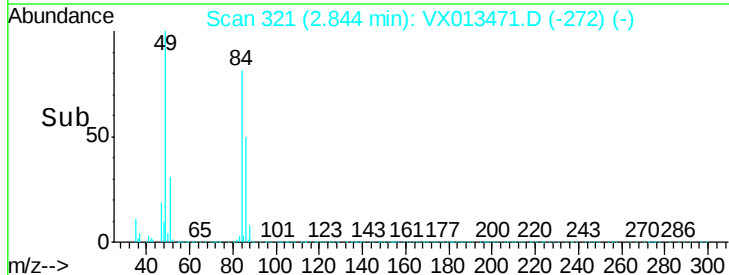
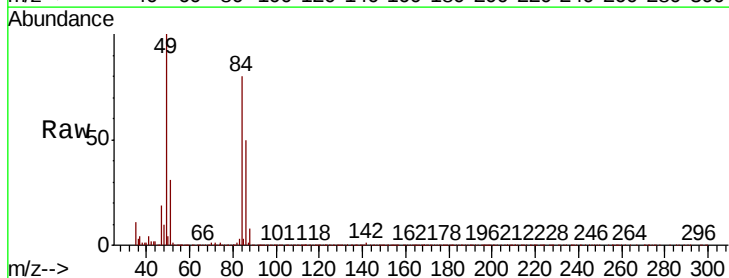
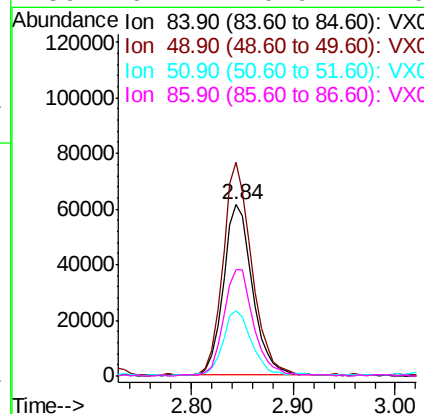
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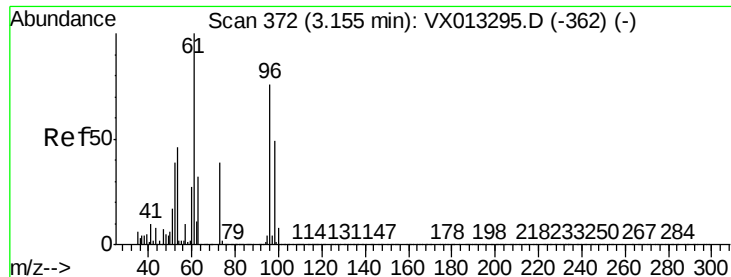
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#20
Methylene Chloride
Concen: 18.588 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.9	98.2	147.4
51	37.9	29.9	44.9
86	62.2	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 18.488 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

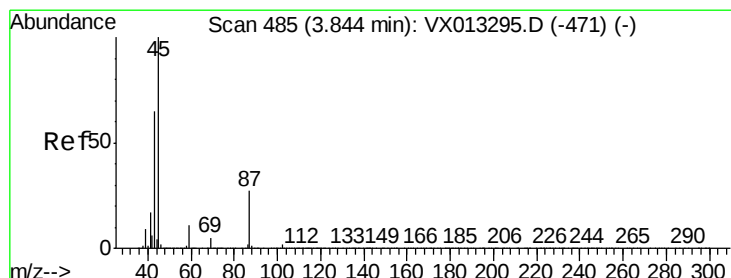
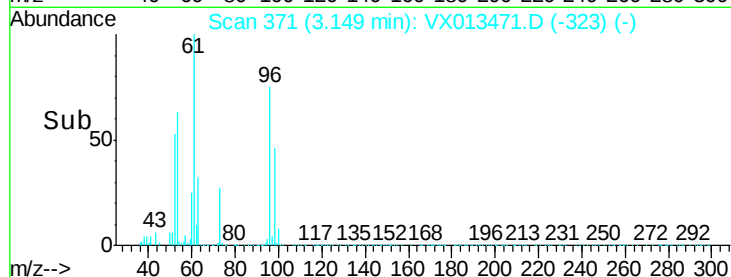
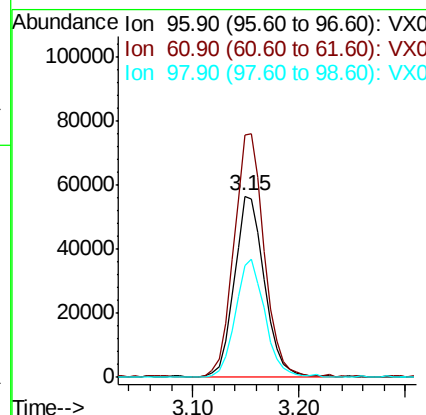
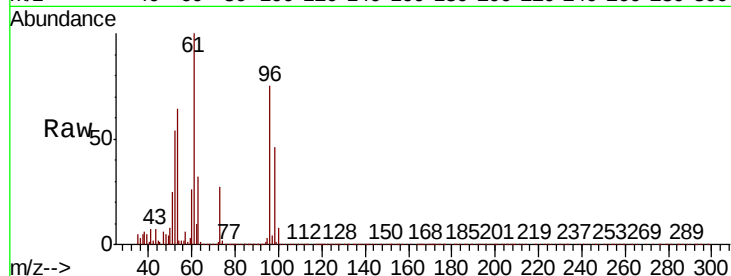
ClientSampleId :

VX1120WBSD01

Tot Ion:	96	Resp:	110626
Ion	Ratio	Lower	Upper
96	100		
61	134.1	105.8	158.6
98	61.9	51.8	77.6

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#22

Diisopropyl ether

Concen: 20.808 ug/l

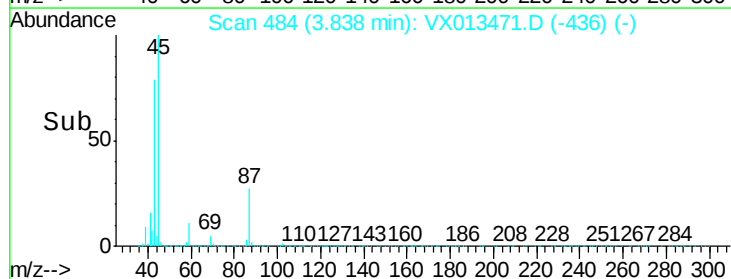
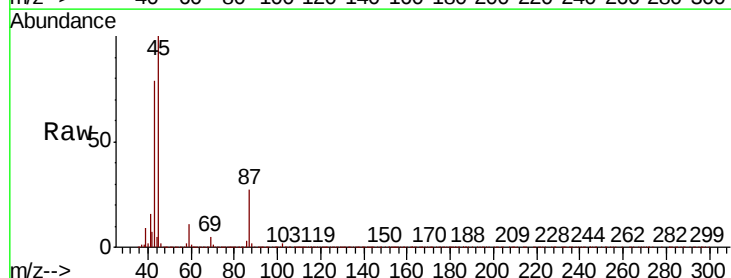
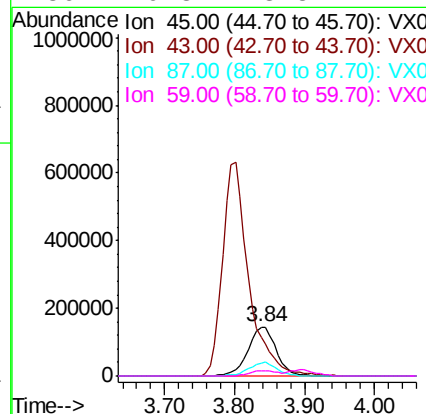
RT: 3.84 min Scan# 484

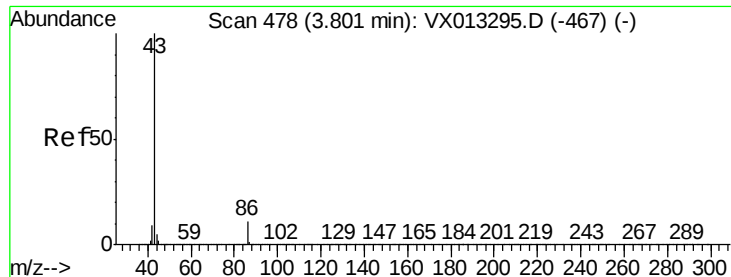
Delta R.T. -0.01 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Tgt Ion:	45	Resp:	401139
Ion	Ratio	Lower	Upper
45	100		
43	78.9	54.2	81.2
87	26.5	21.8	32.8
59	10.8	8.5	12.7





#23

Vinyl Acetate

Concen: 99.770 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1120WBSD01

Tot Ion: 43 Resp: 1645827

Ion Ratio Lower Upper

43 100

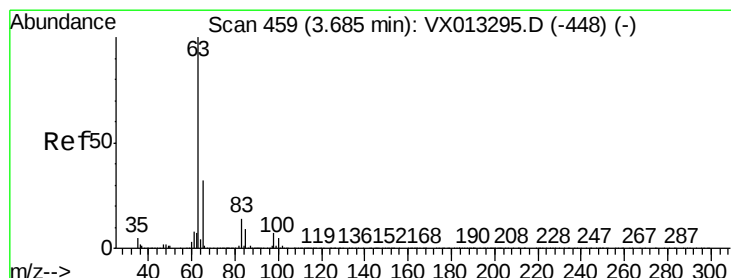
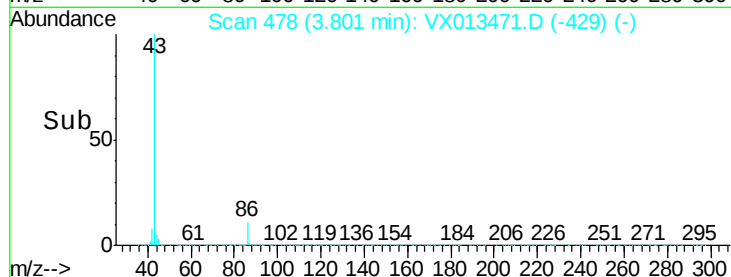
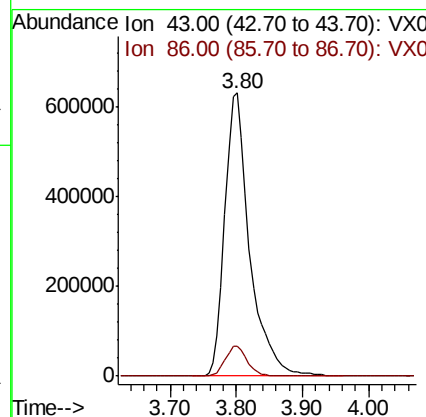
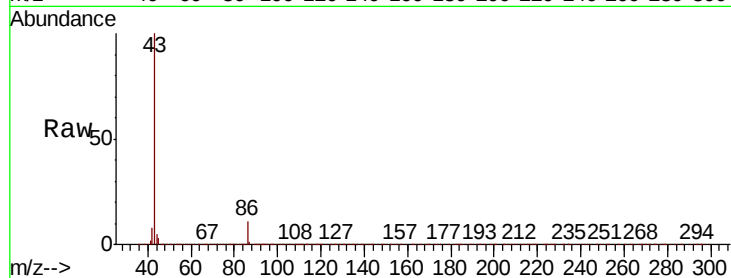
86 10.8 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.350 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

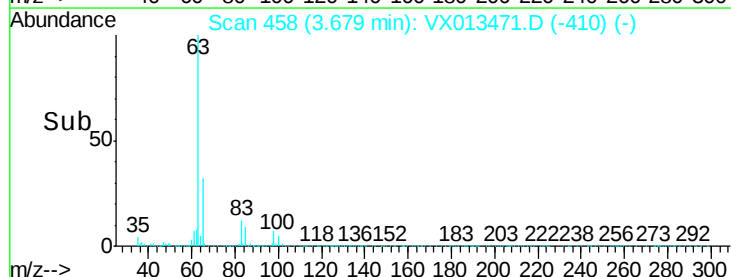
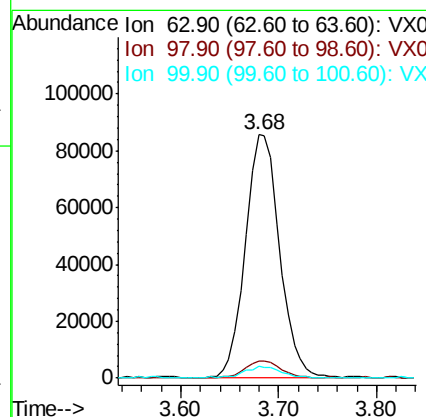
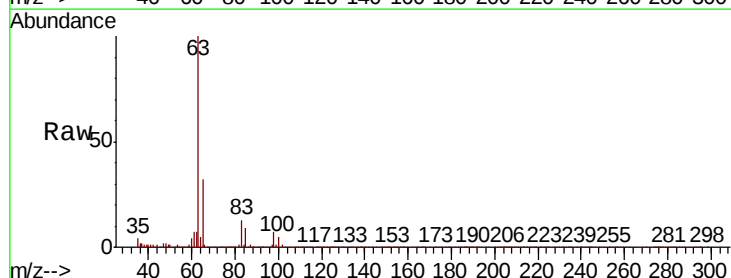
Tgt Ion: 63 Resp: 208680

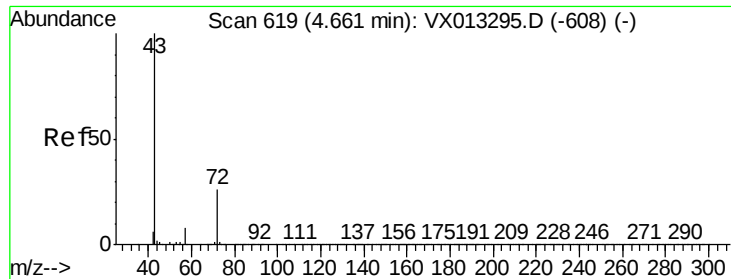
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 95.830 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1120WBSD01

Tot Ion: 43 Resp: 497716

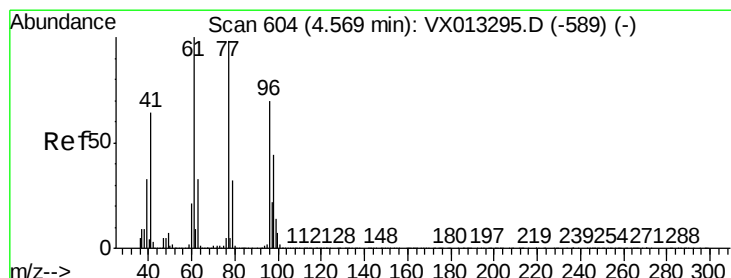
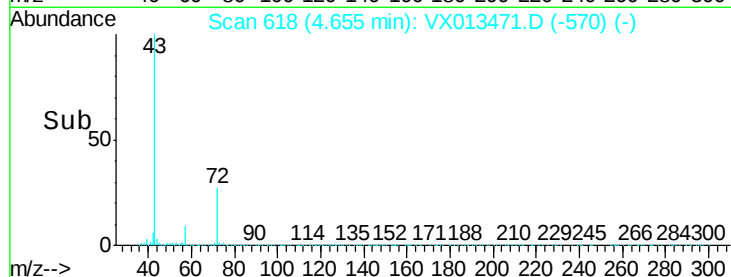
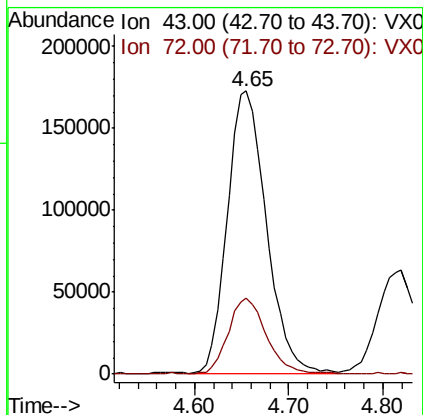
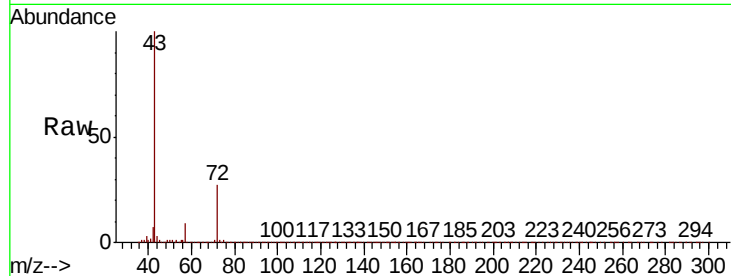
Ion Ratio Lower Upper

43 100

72 26.6 21.0 31.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 19.579 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX013471.D

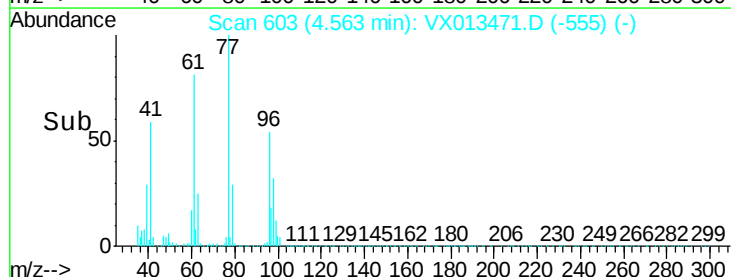
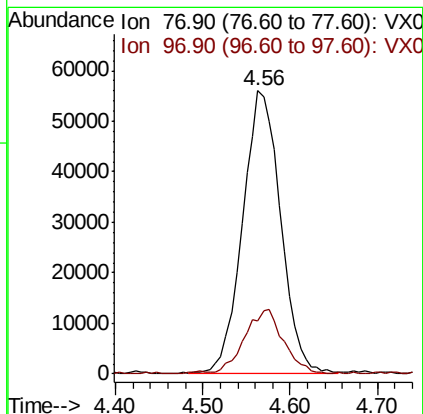
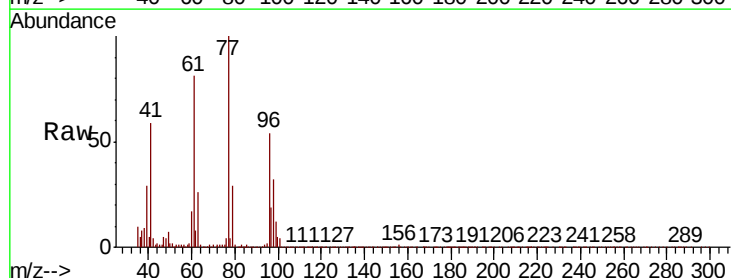
Acq: 20 Nov 2019 11:36

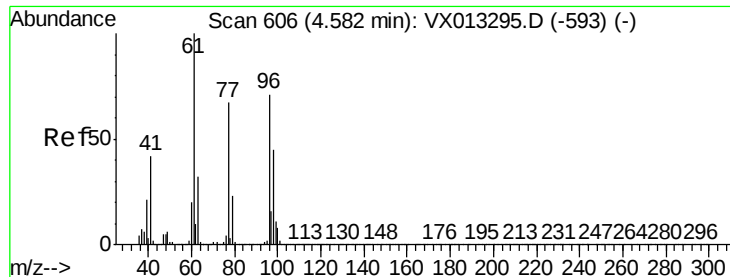
Tgt Ion: 77 Resp: 167968

Ion Ratio Lower Upper

77 100

97 23.3 11.3 33.8





#27

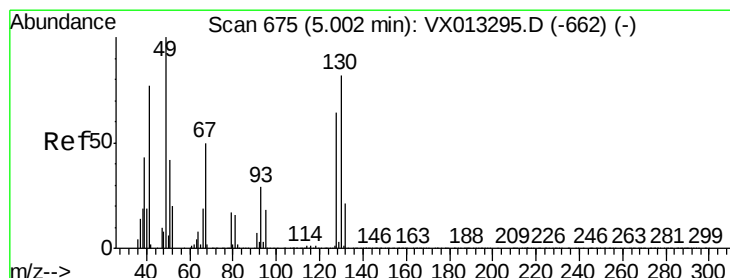
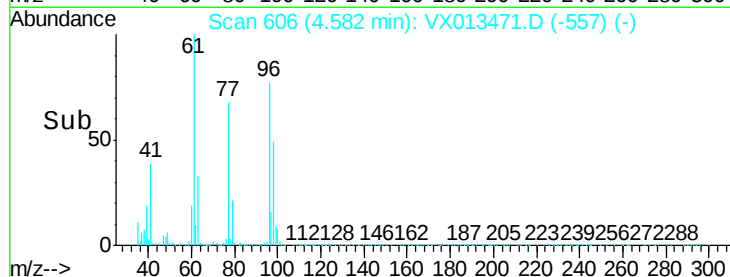
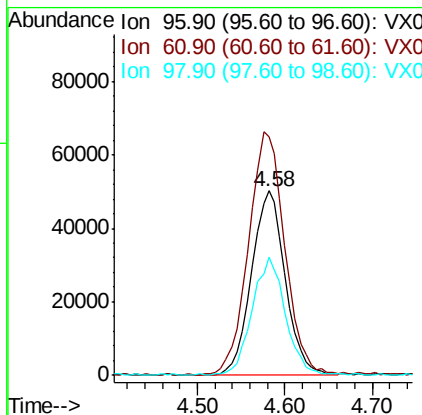
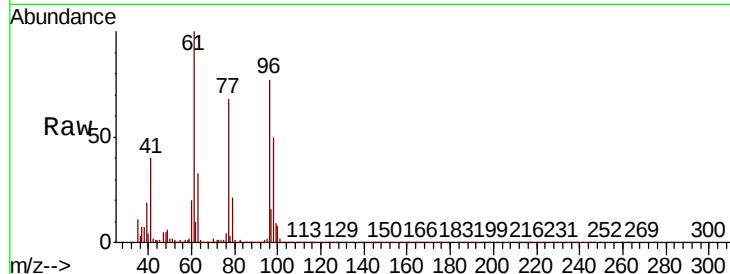
cis-1,2-Dichloroethene
Concen: 19.903 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	288.0
98	63.6	0.0	129.6

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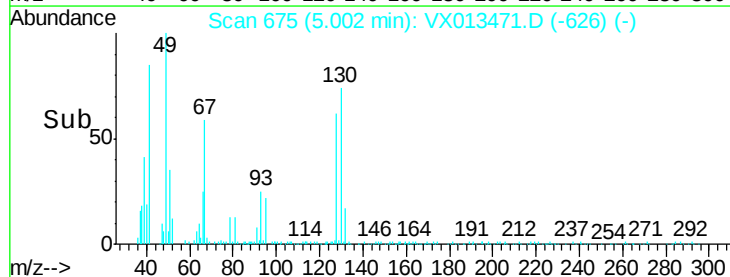
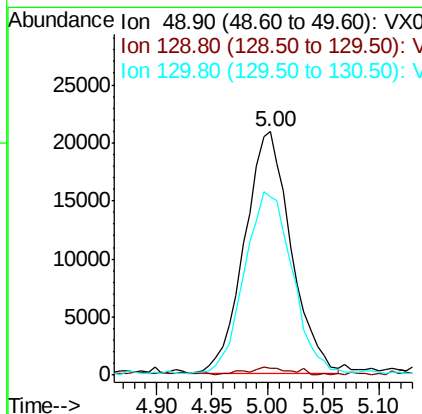
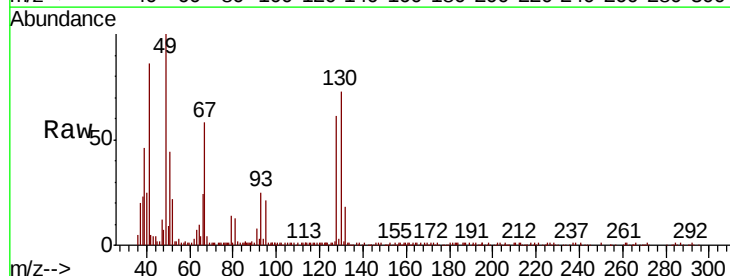
MMDadoda
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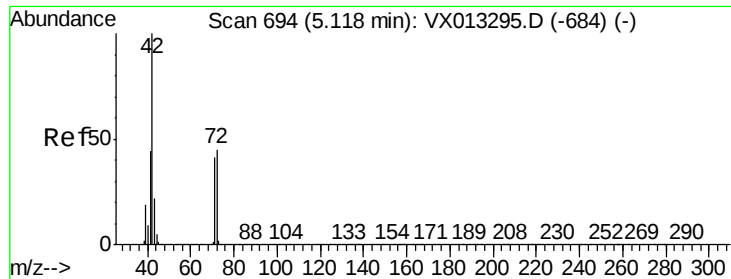


#28

Bromochloromethane
Concen: 19.671 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.2
130	78.4	63.8	95.6





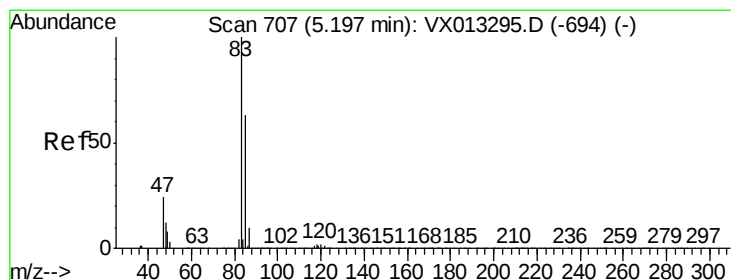
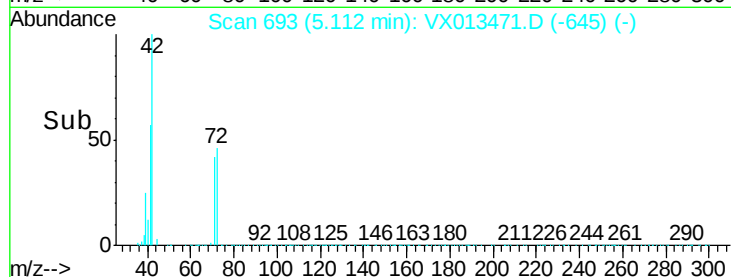
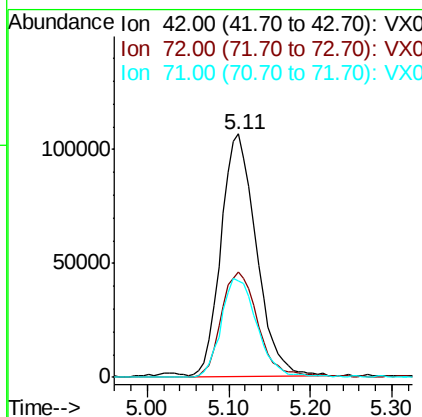
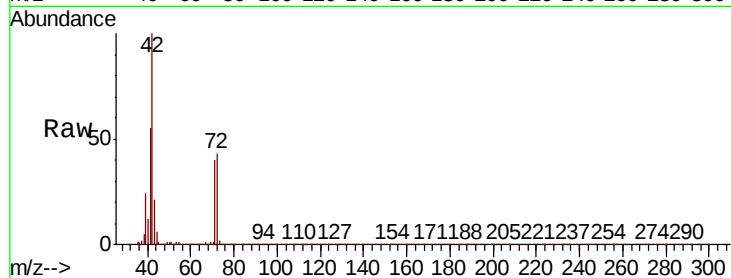
#29
Tetrahydrofuran
Concen: 99.422 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.8	53.8
71	41.0	33.4	50.0

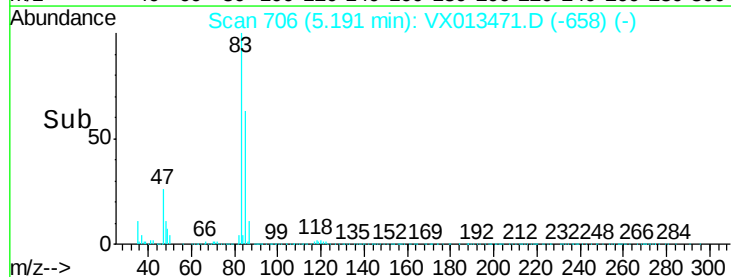
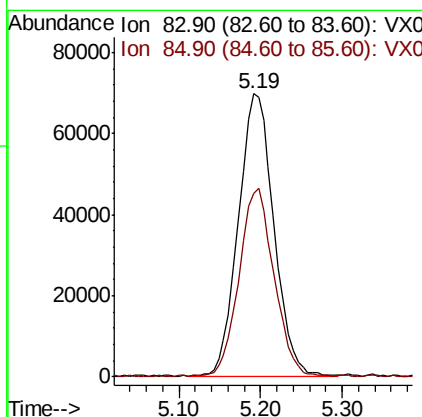
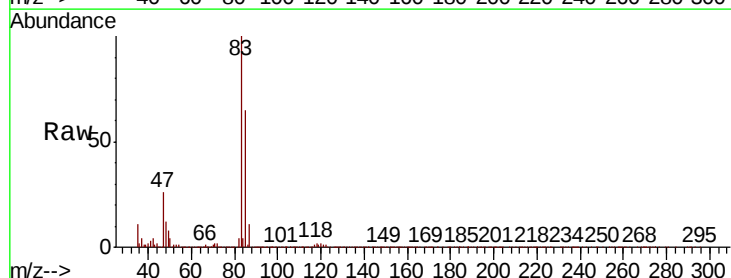
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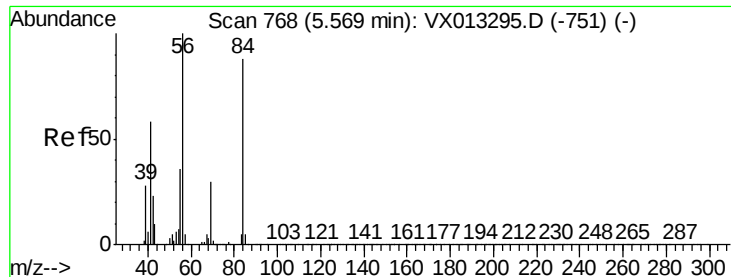
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#30
Chloroform
Concen: 19.717 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.2	75.4





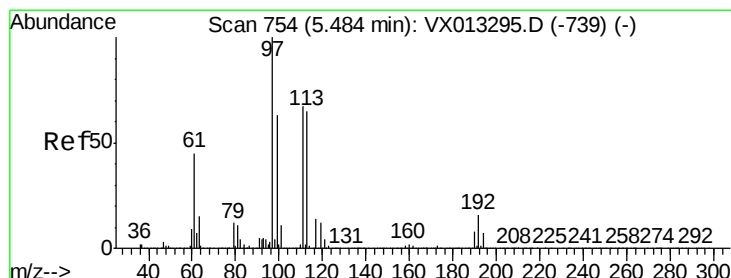
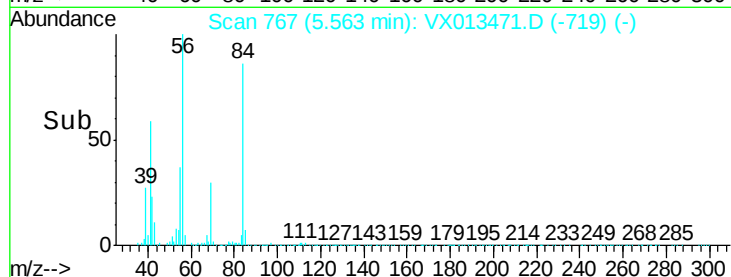
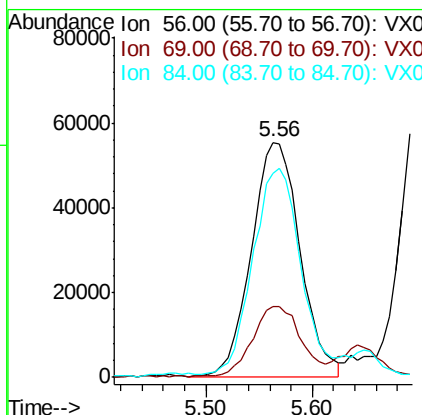
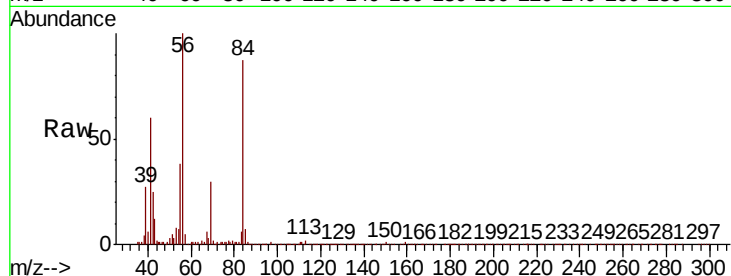
#31
Cyclohexane
Concen: 18.275 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.7	35.5
84	84.6	70.6	105.8

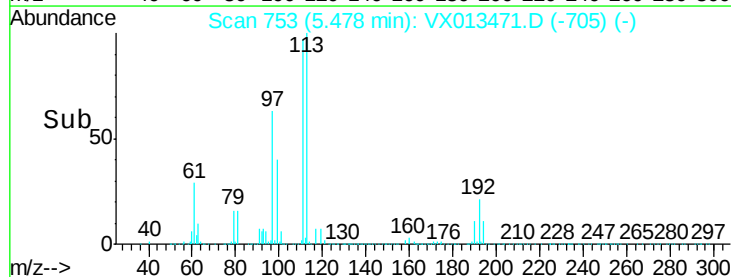
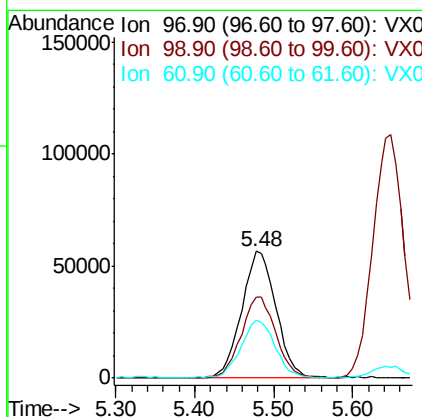
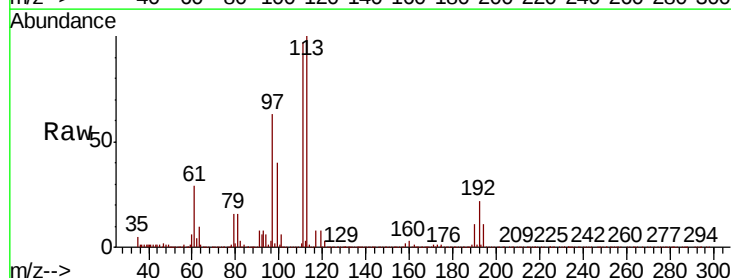
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#32
1,1,1-Trichloroethane
Concen: 18.767 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.1	76.7
61	44.7	36.5	54.7





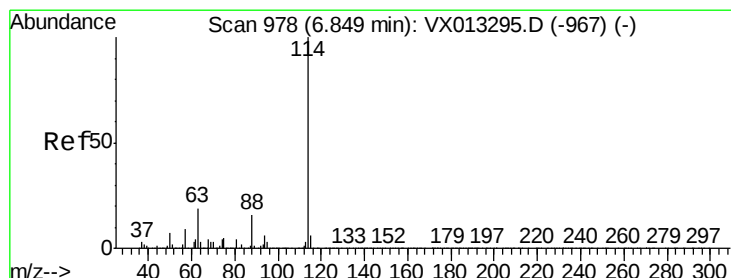
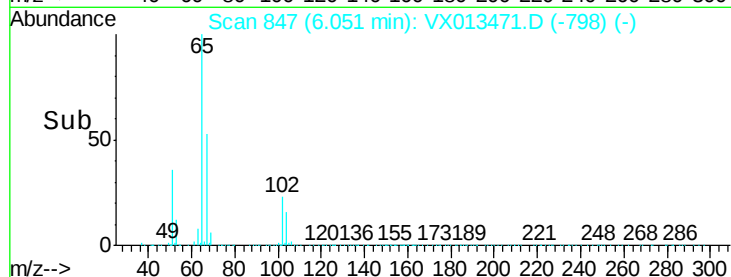
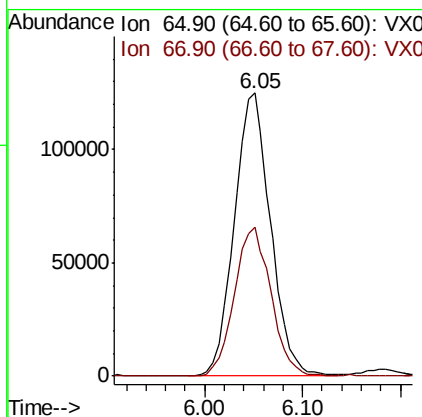
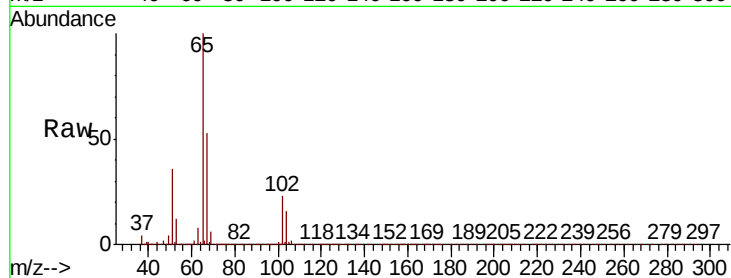
#33
 1,2-Dichloroethane-d4
 Concen: 45.078 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013471.D
 Acq: 20 Nov 2019 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1120WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	319958		
67	52.8	0.0	104.2	

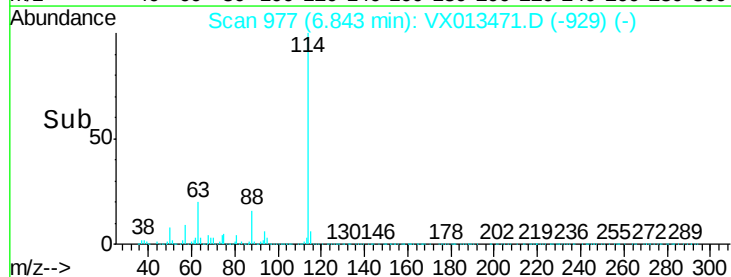
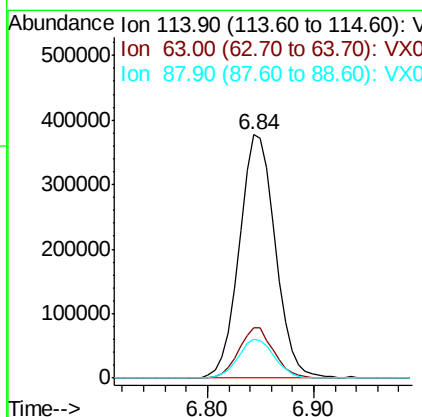
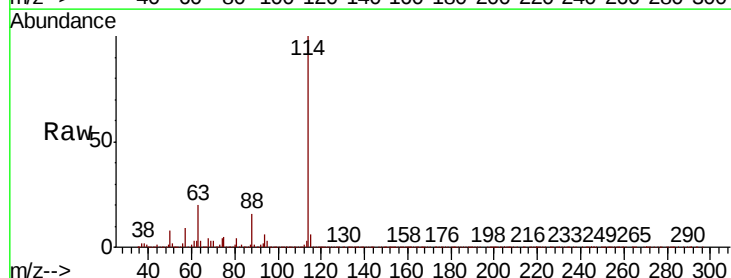
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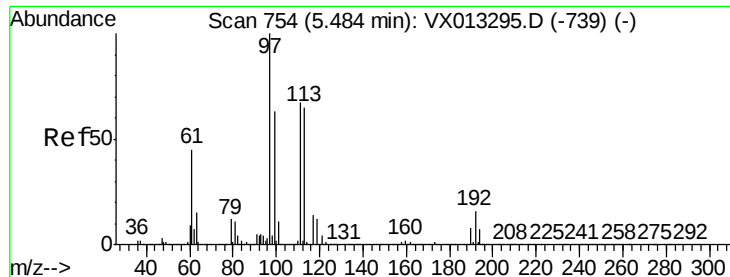
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX013471.D
 Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	895333		
63	20.3	0.0	38.4	
88	15.9	0.0	32.2	





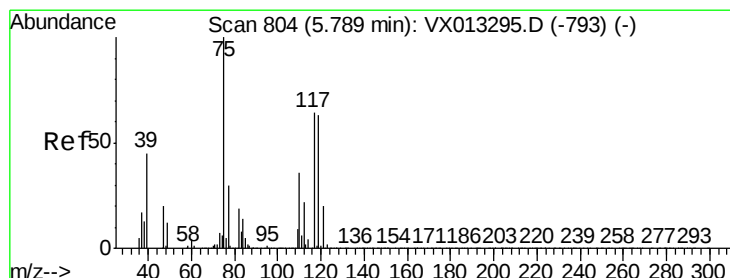
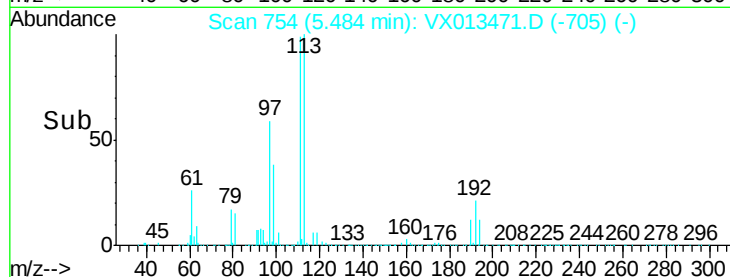
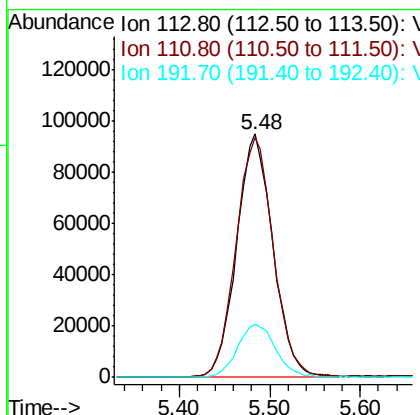
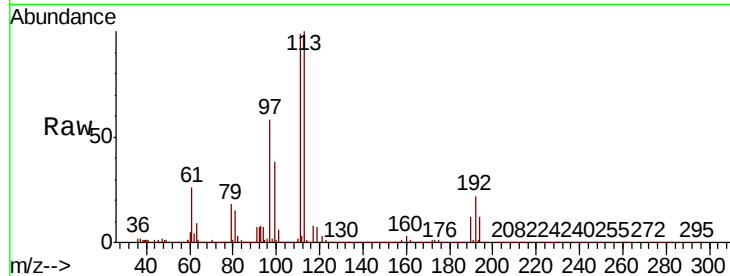
#35
 Dibromofluoromethane
 Concen: 46.645 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX013471.D
 Acq: 20 Nov 2019 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.9	122.9
192	22.7	19.1	28.7

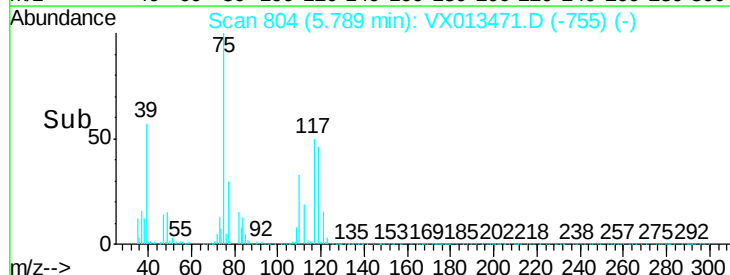
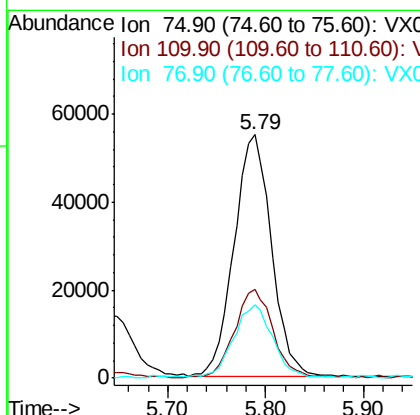
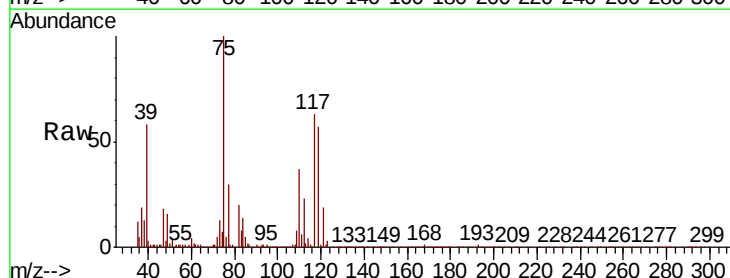
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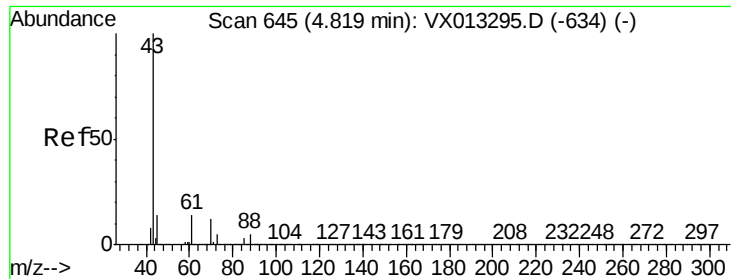
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#36
 1,1-Dichloropropene
 Concen: 19.021 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX013471.D
 Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	18.1	54.1
77	30.4	25.0	37.4





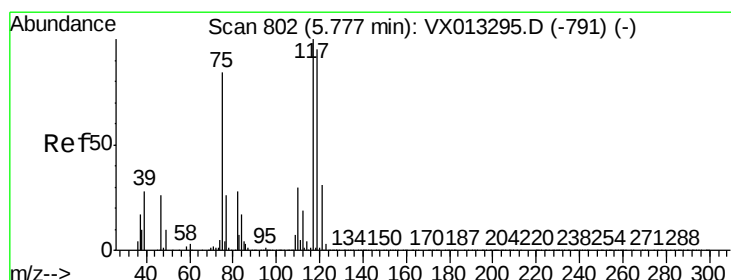
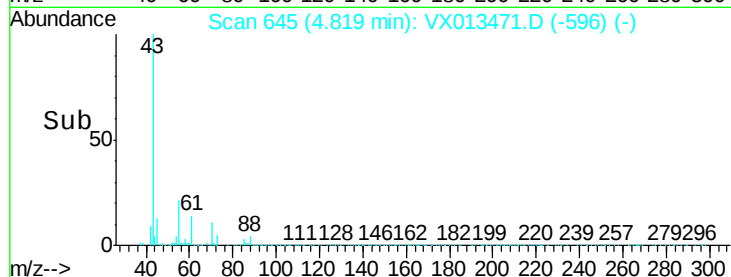
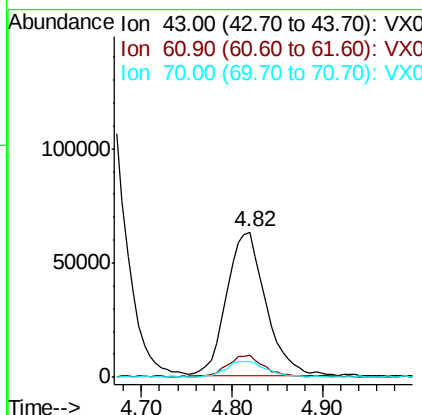
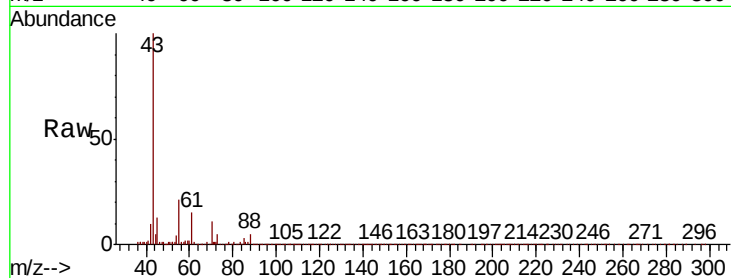
#37
Ethyl Acetate
Concen: 19.787 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.7	16.1
70	11.1	8.7	13.1

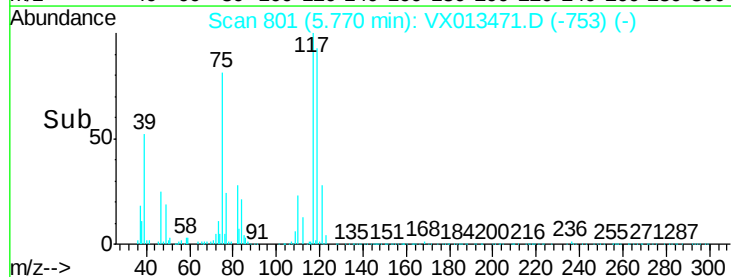
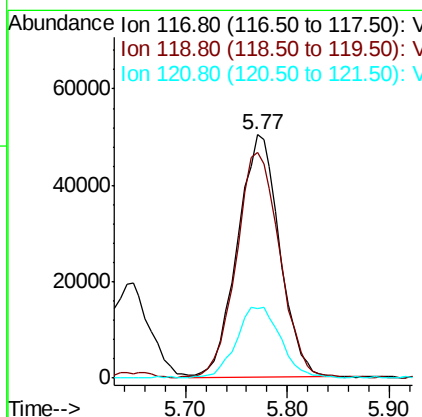
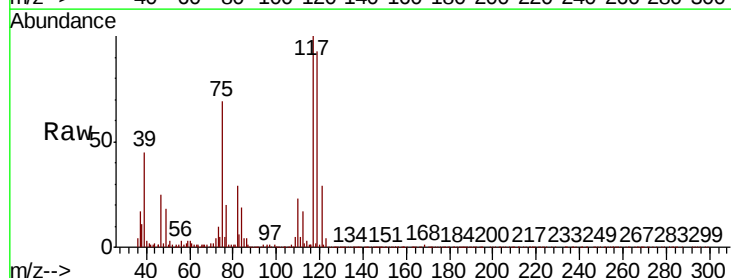
Manual Integrations
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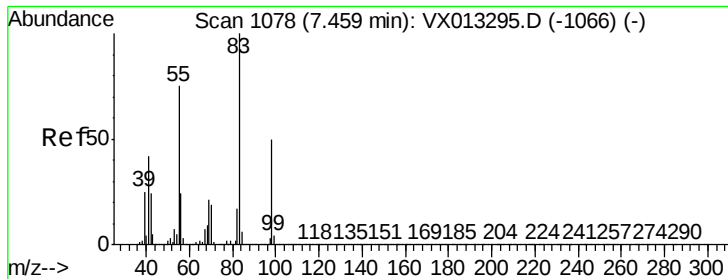
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#38
Carbon Tetrachloride
Concen: 19.254 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.1	114.1
121	28.4	24.6	37.0





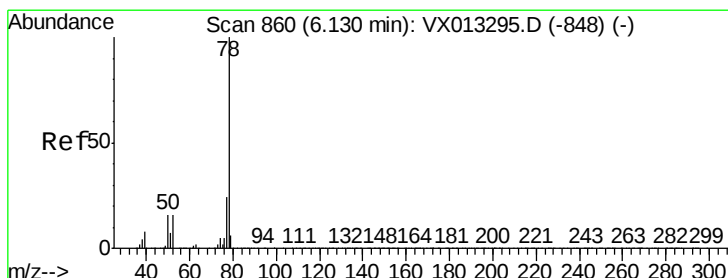
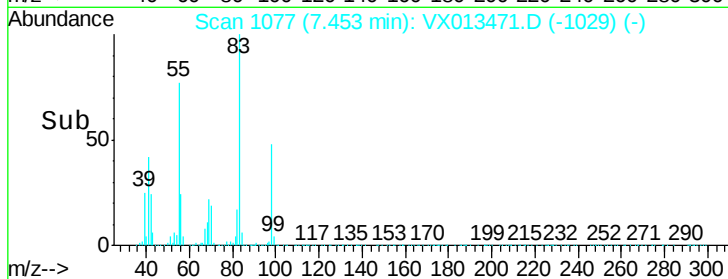
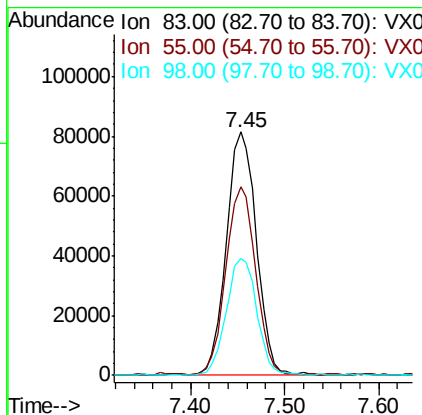
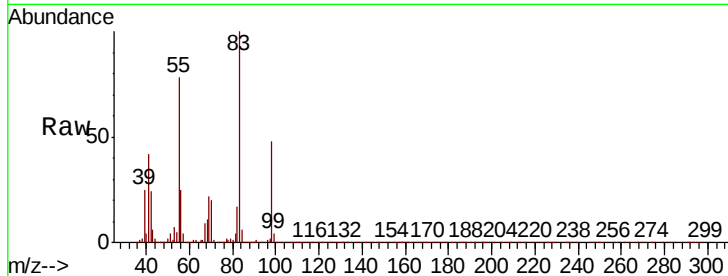
#39
Methvlcvclohexane
Concen: 18.920 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	60.3	90.5
98	47.6	40.3	60.5

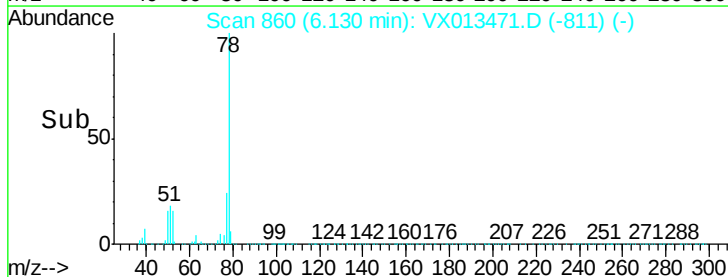
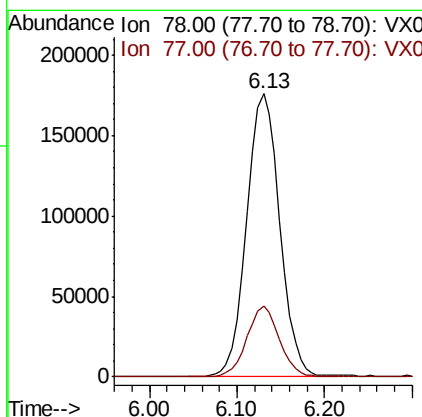
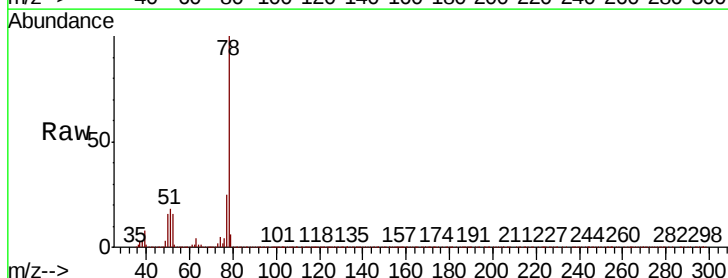
Manual Integrations
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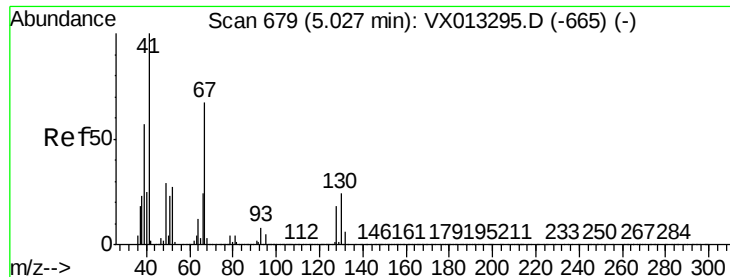
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#40
Benzene
Concen: 19.363 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.5	29.3





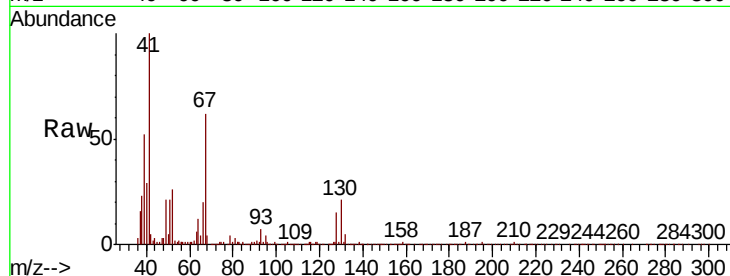
#41
Methacrylonitrile
Concen: 20.011 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

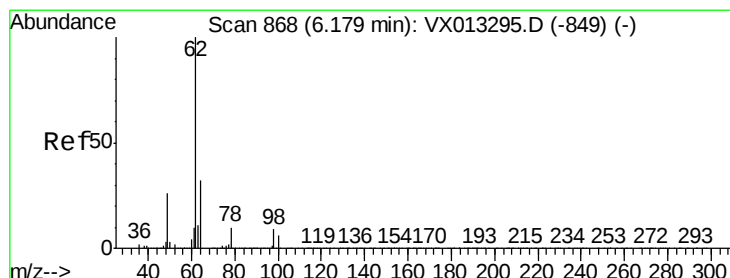
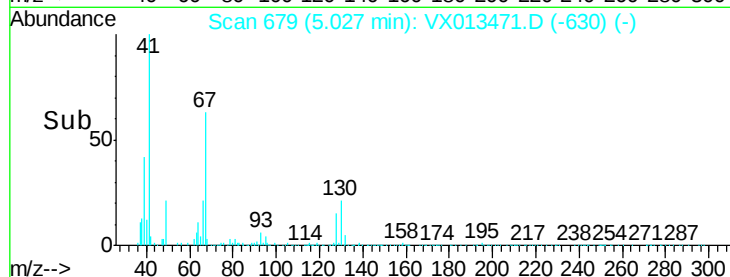
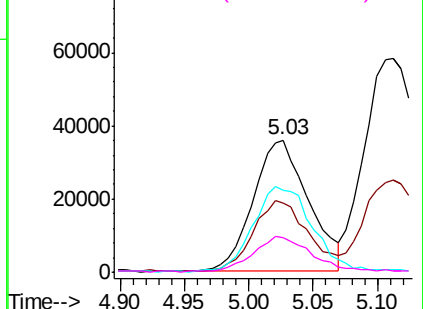
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		106452		
39	54.2	45.0	67.6		
67	70.0	55.4	83.2		
52	27.9	23.1	34.7		

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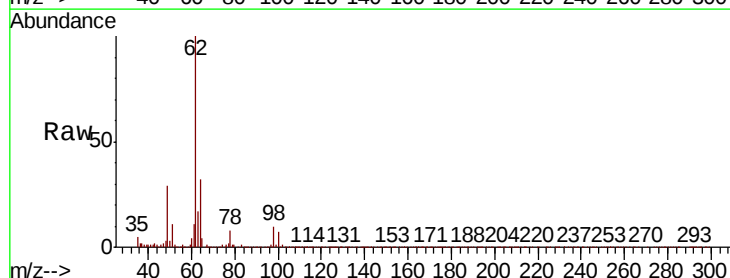


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

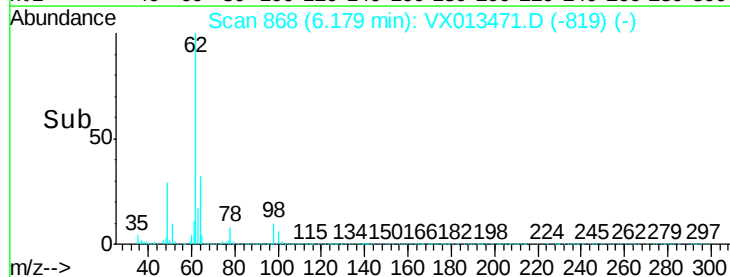
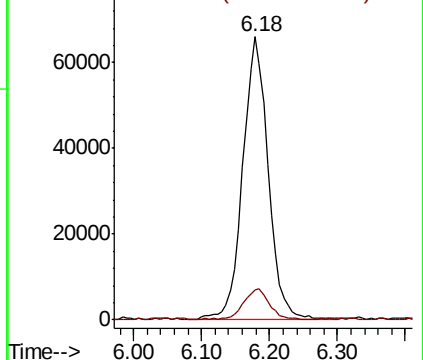


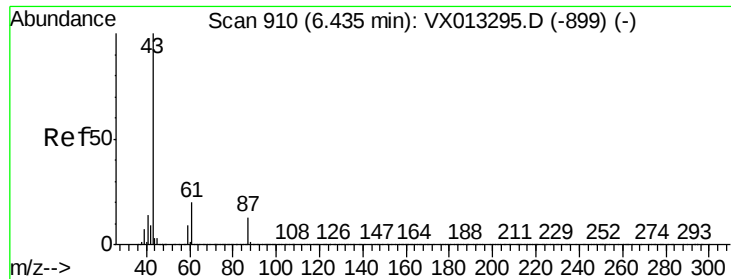
#42
1,2-Dichloroethane
Concen: 19.972 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		172362		
98	10.5	0.0	19.4		



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





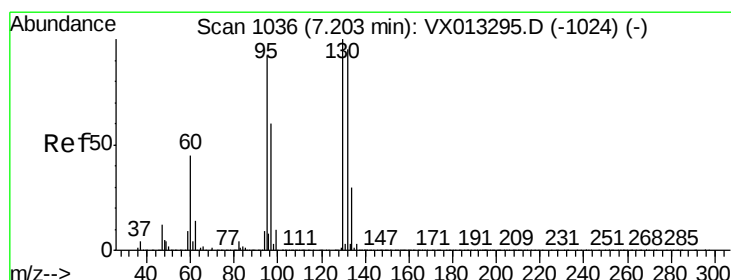
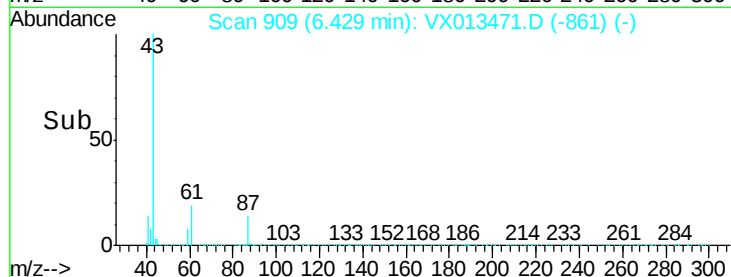
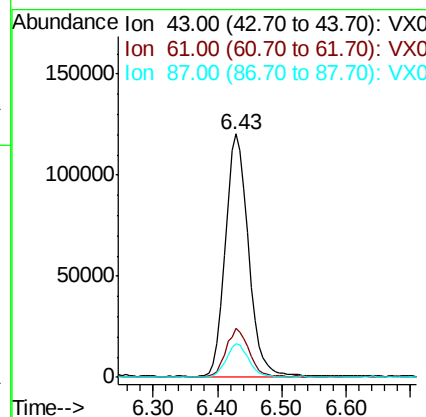
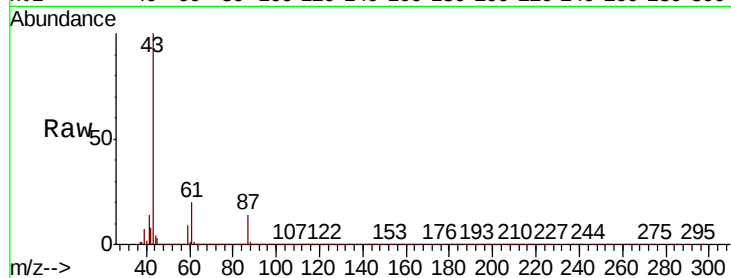
#43
Isopropyl Acetate
Concen: 20.566 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.8	23.8
87	13.5	10.4	15.6

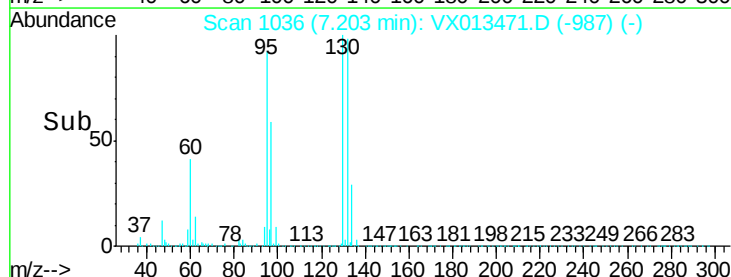
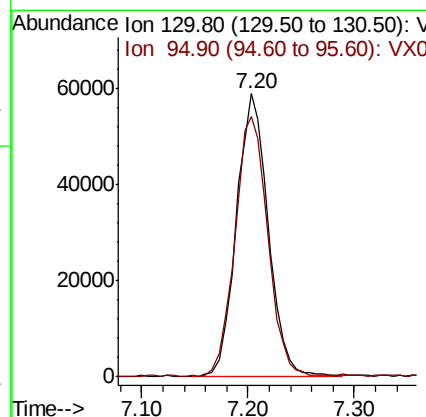
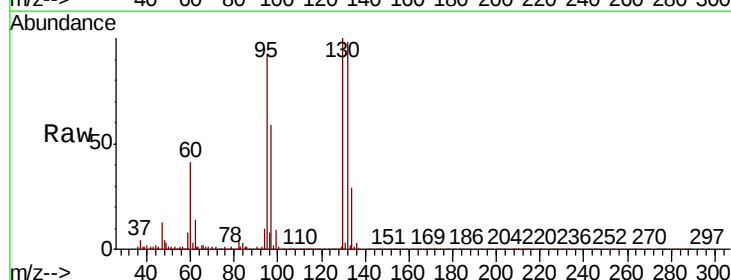
Manual Integrations
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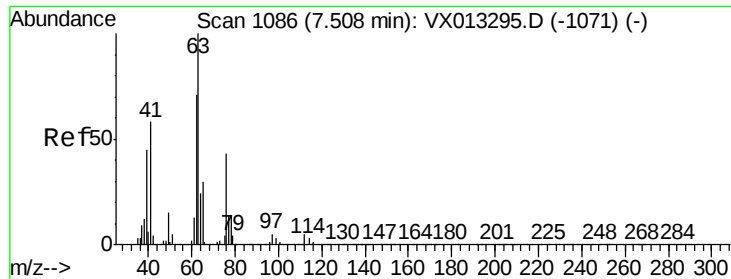
MMDadoda
11/21/2019 9:51:00 AM



#44
Trichloroethene
Concen: 18.840 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	184.8





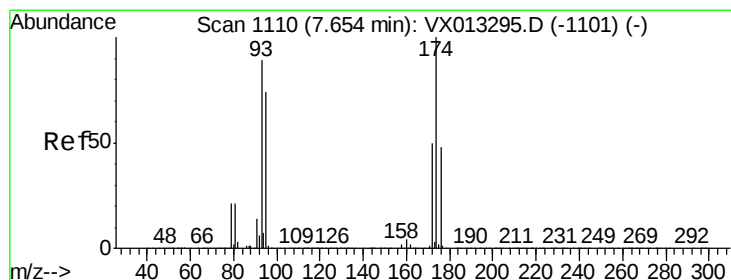
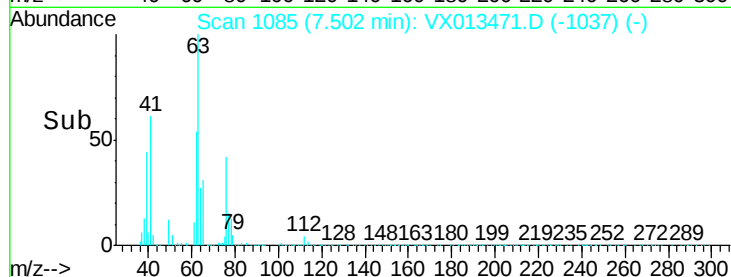
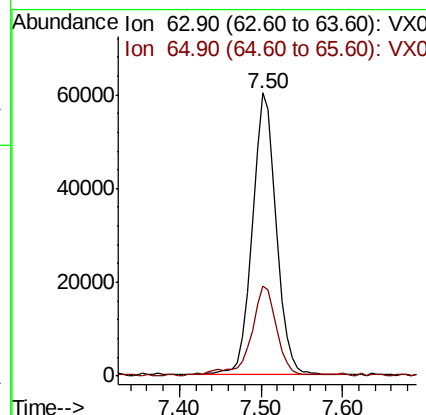
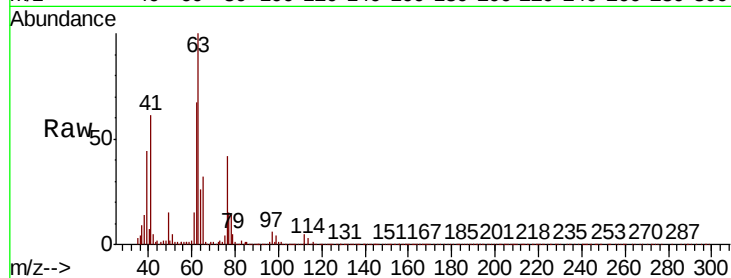
#45
 1,2-Dichloropropane
 Concen: 20.149 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013471.D
 Acq: 20 Nov 2019 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.3	36.5

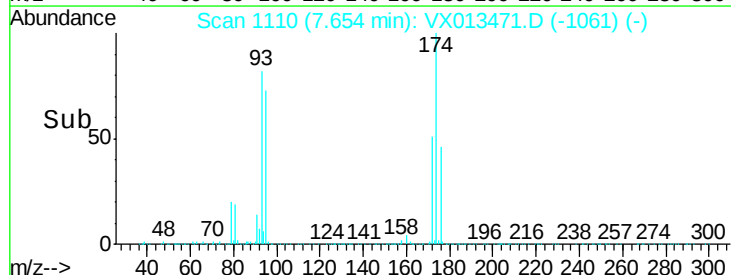
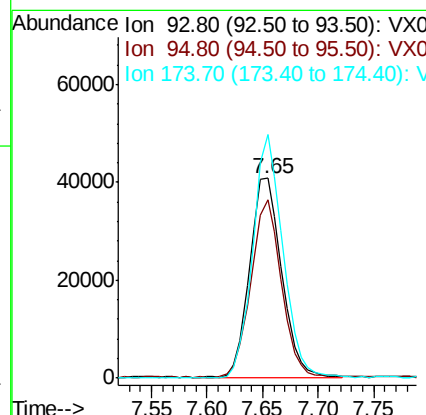
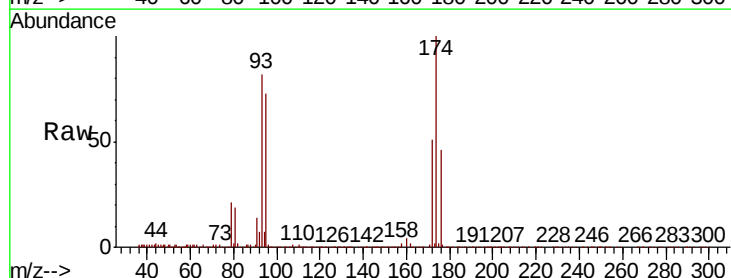
Manual Integrations
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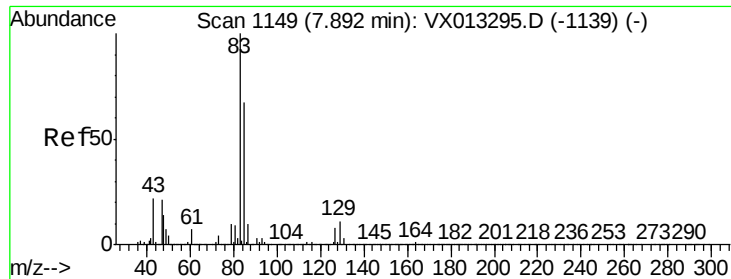
MMDadoda
 11/21/2019 9:51:00 AM



#46
 Dibromomethane
 Concen: 19.635 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013471.D
 Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.0	65.8	98.6
174	115.3	90.4	135.6





#47

Bromodichloromethane

Concen: 20.522 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

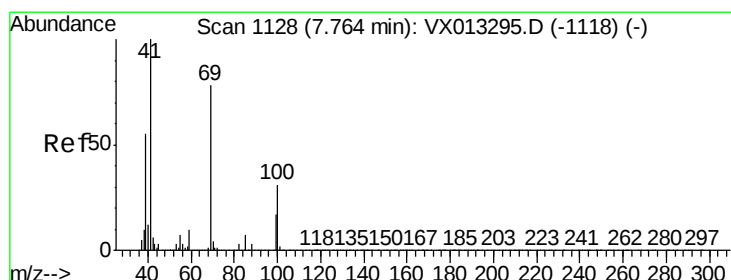
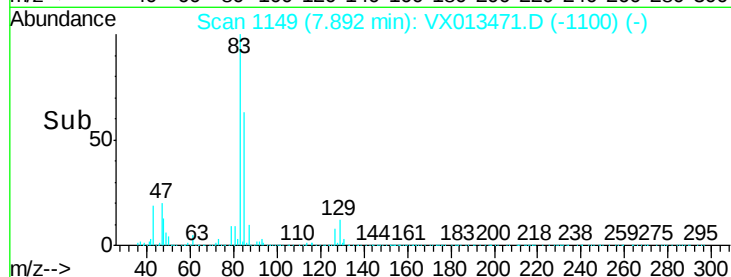
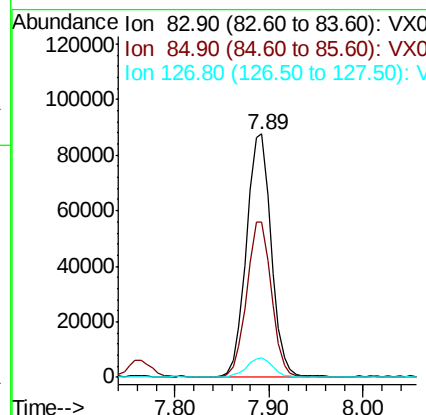
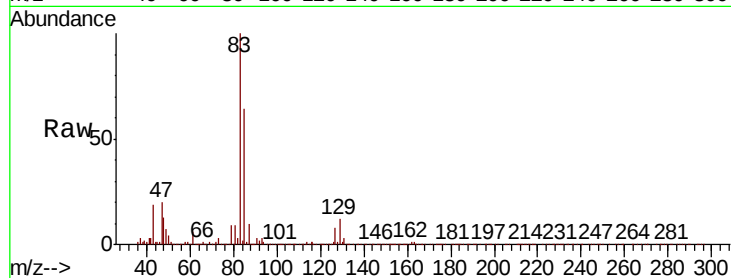
ClientSampleId :

VX1120WBSD01

Tot Ion:	83	Resp:	161074
Ion Ratio	Lower	Upper	
83	100		
85	63.6	53.7	80.5
127	7.8	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.159 ug/l

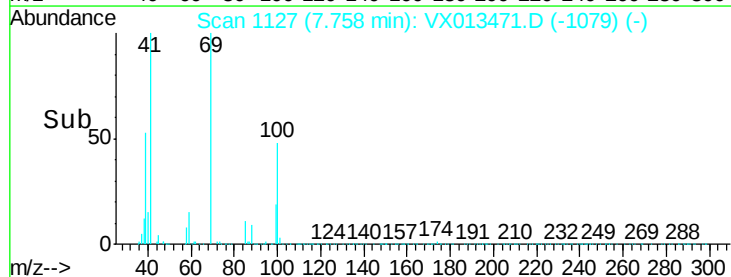
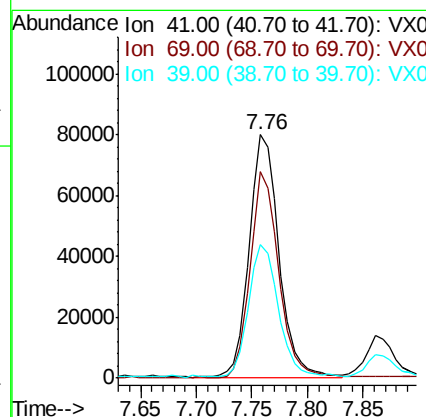
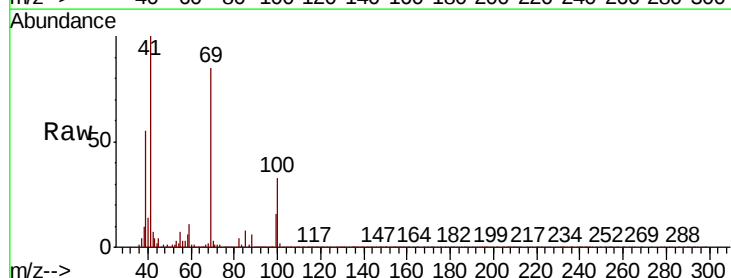
RT: 7.76 min Scan# 1127

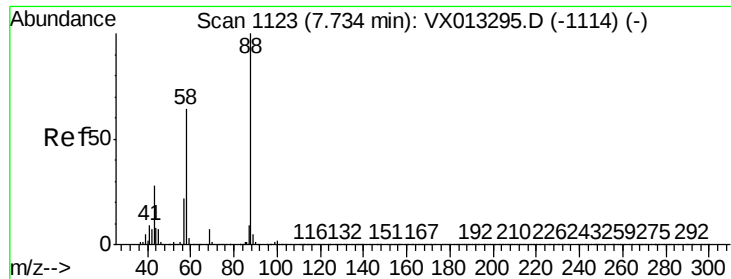
Delta R.T. -0.01 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Tgt Ion:	41	Resp:	148719
Ion Ratio	Lower	Upper	
41	100		
69	80.9	63.0	94.6
39	54.9	45.9	68.9





#49

1,4-Dioxane

Concen: 398.744 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

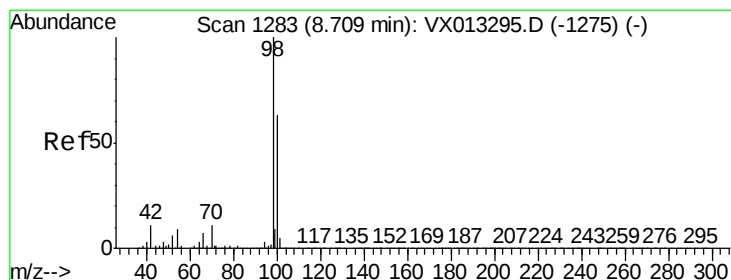
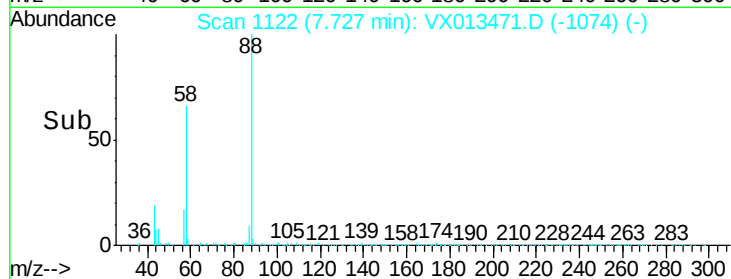
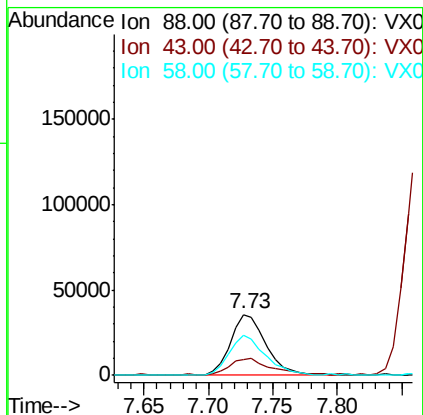
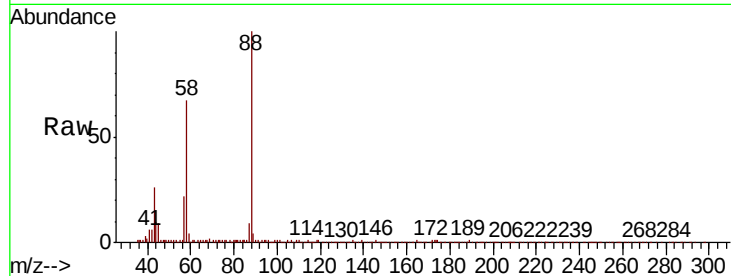
ClientSampleId :

VX1120WBSD01

Tot Ion:	88	Resp:	67368
Ion Ratio	Lower	Upper	
88	100		
43	32.7	26.6	39.8
58	68.0	55.0	82.6

Manual Integrations
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#50

Toluene-d8

Concen: 46.453 ug/l

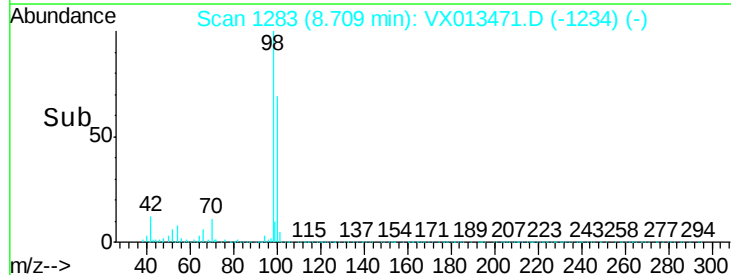
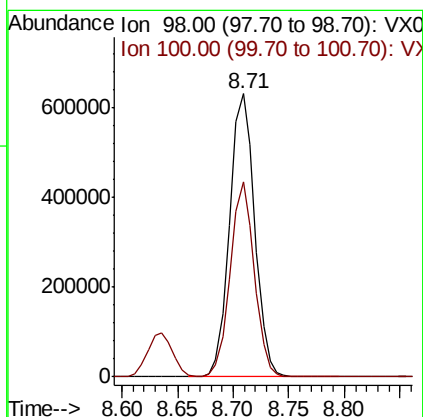
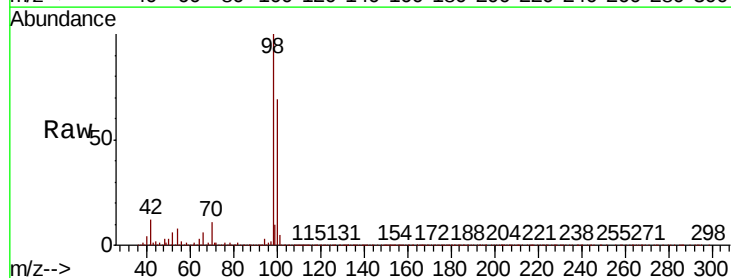
RT: 8.71 min Scan# 1283

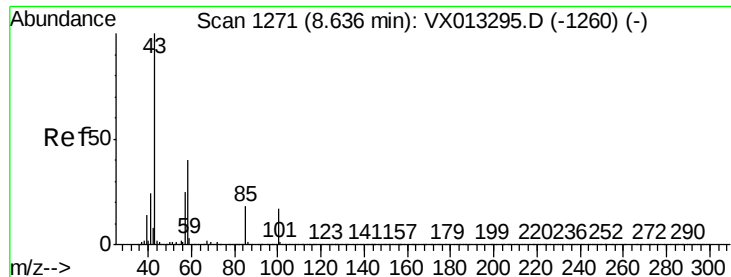
Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Tgt Ion:	98	Resp:	983427
Ion Ratio	Lower	Upper	
98	100		
100	66.0	52.2	78.2





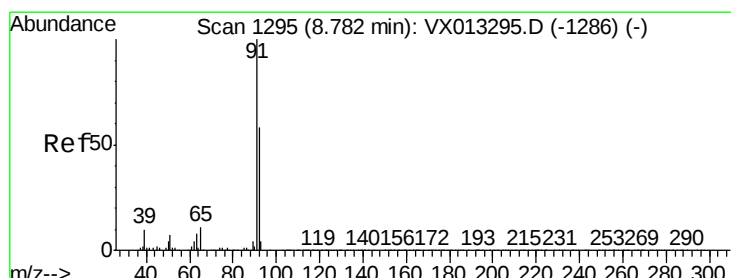
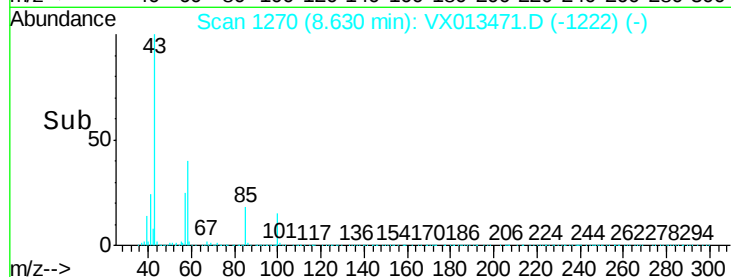
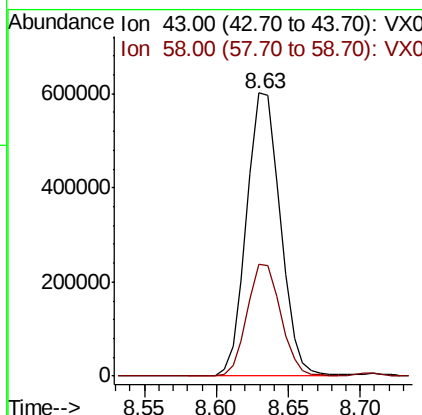
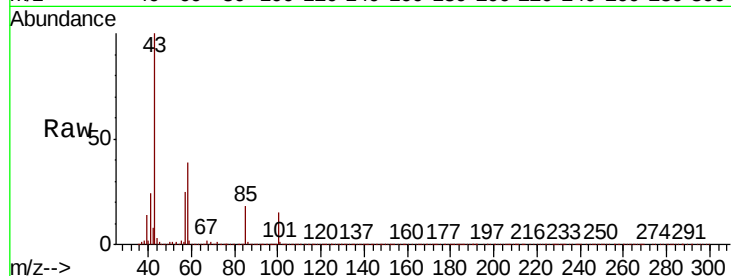
#51
4-Methyl-2-Pentanone
Concen: 100.837 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.4	47.0

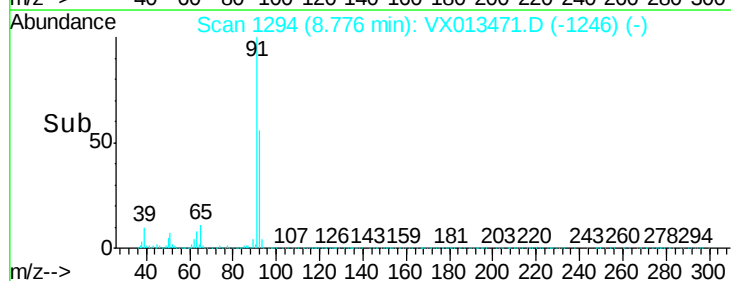
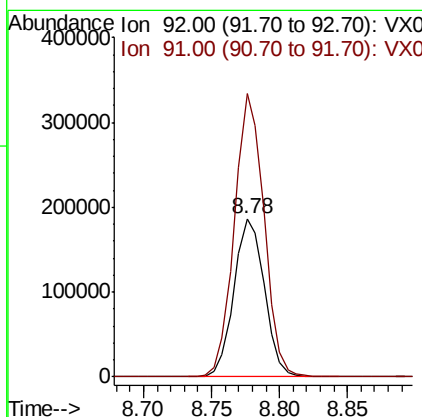
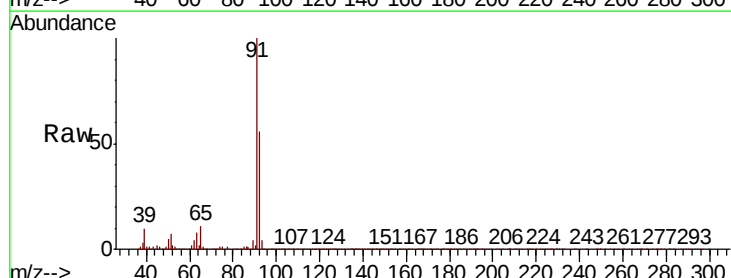
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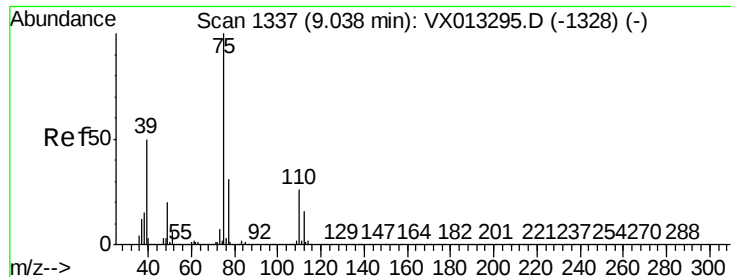
MMDadoda
11/21/2019 9:51:00 AM



#52
Toluene
Concen: 19.636 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.0	207.0





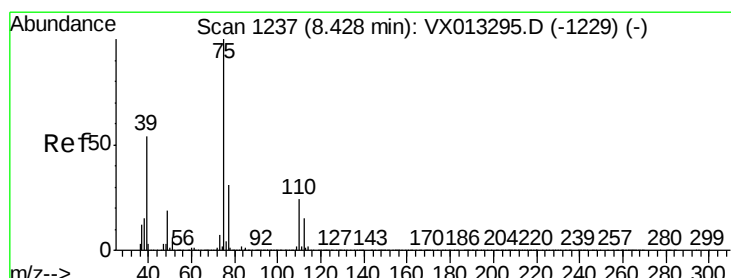
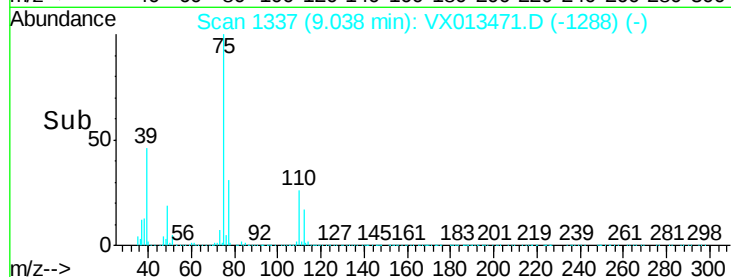
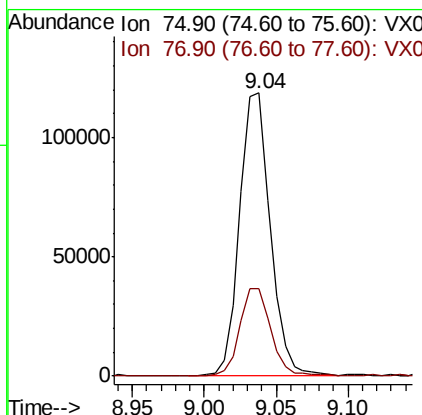
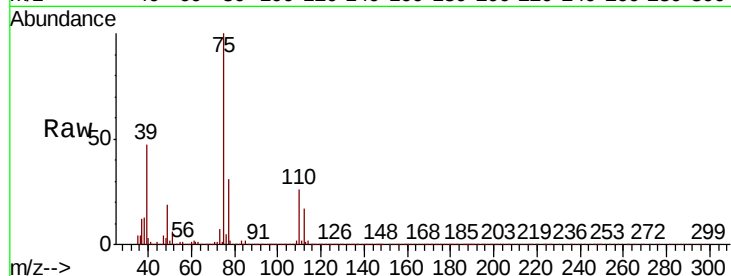
#53
t-1,3-Dichloropropene
Concen: 20.509 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.0	37.4

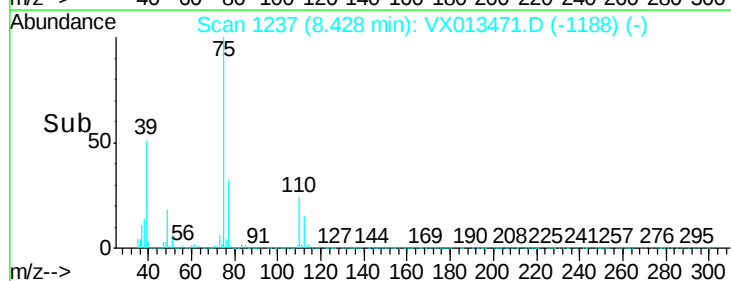
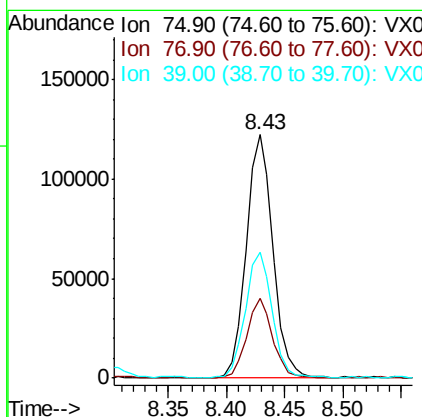
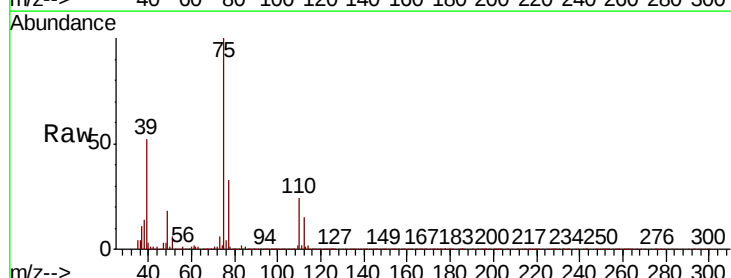
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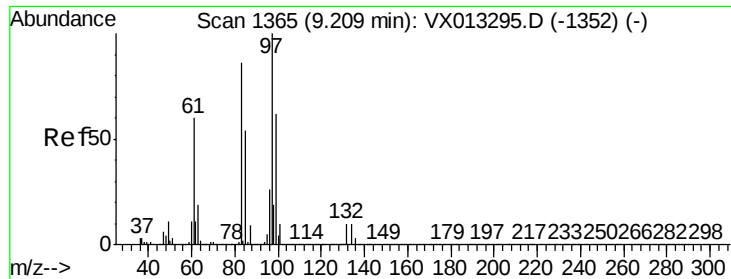
MMDadoda
11/21/2019 9:51:00 AM



#54
cis-1,3-Dichloropropene
Concen: 20.293 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.7	37.1
39	51.4	43.0	64.6





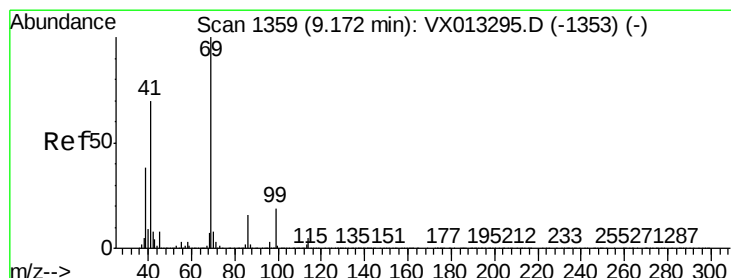
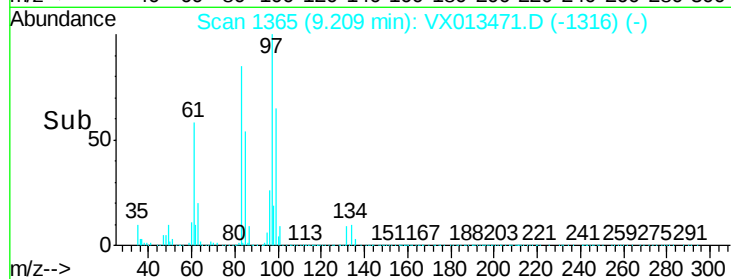
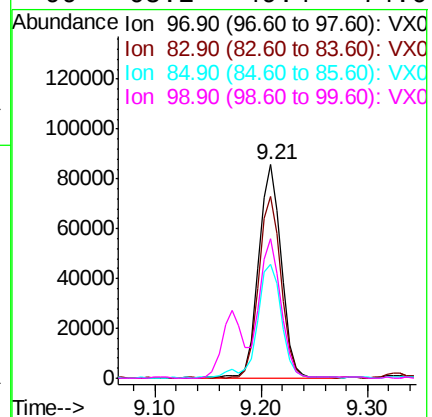
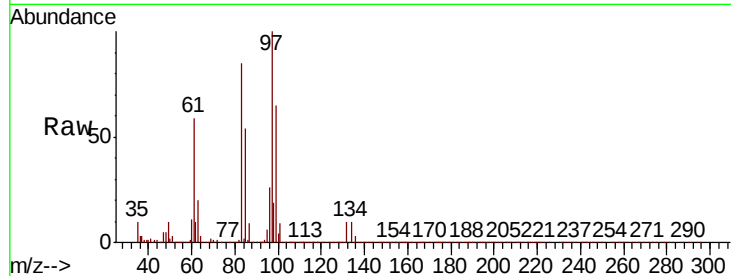
#55
 1,1,2-Trichloroethane
 Concen: 20.785 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013471.D
 Acq: 20 Nov 2019 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1120WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		127751		
83	84.9	68.6	103.0		
85	53.5	43.1	64.7		
99	65.2	49.4	74.0		

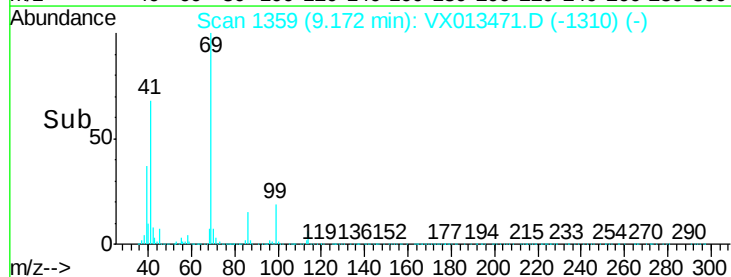
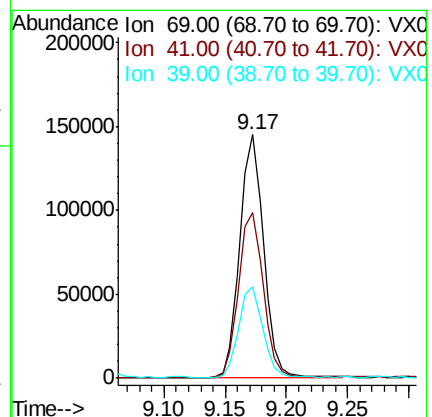
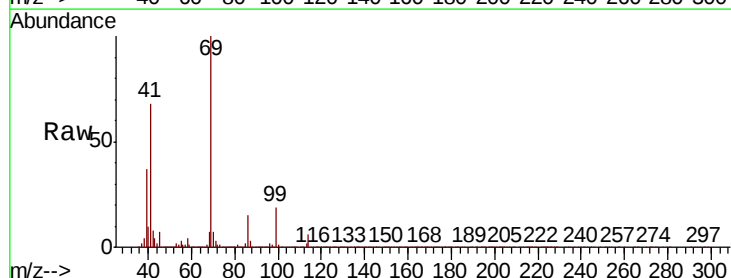
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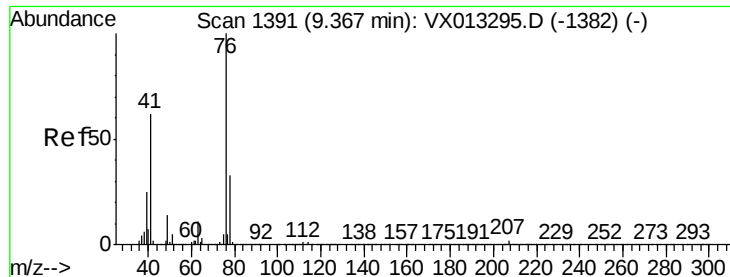
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 11/21/2019 9:51:00 AM



#56
 Ethyl methacrylate
 Concen: 19.548 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013471.D
 Acq: 20 Nov 2019 11:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		194808		
41	70.5	56.2	84.2		
39	37.9	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 20.280 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1120WBSD01

Tot Ion: 76 Resp: 211599

Ion Ratio Lower Upper

76 100

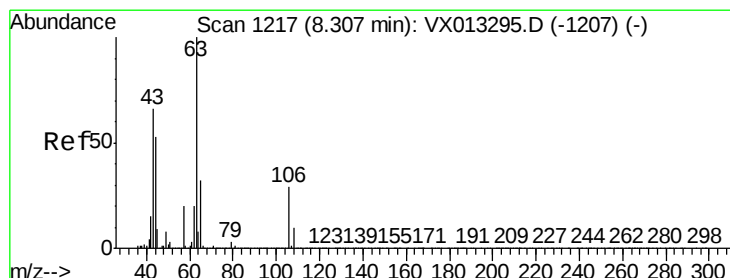
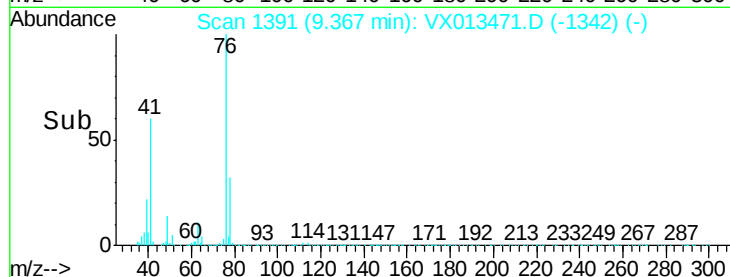
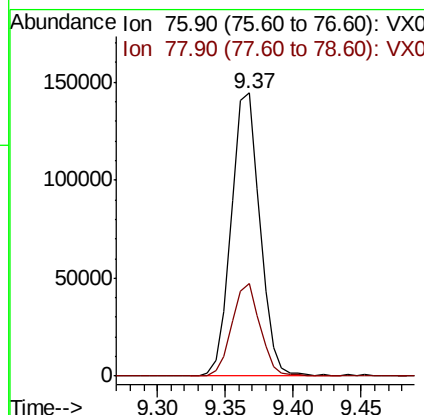
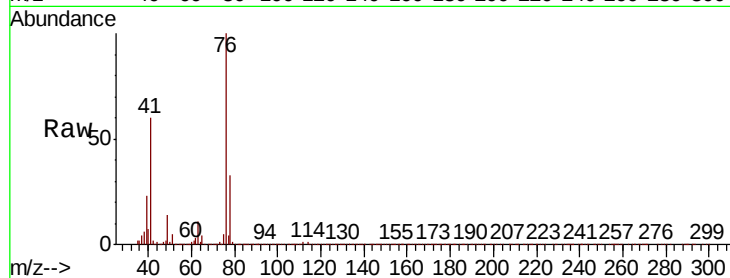
78 32.5 25.8 38.6

Manual Integrations

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11/21/2019 9:51:00 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.067 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013471.D

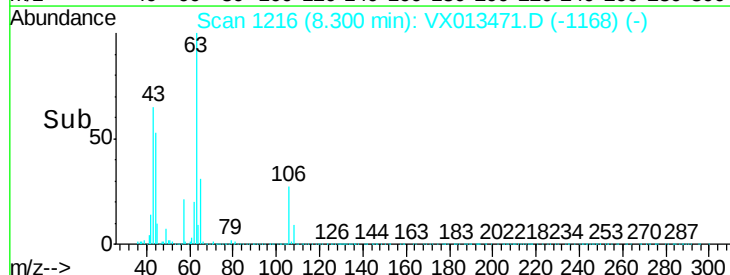
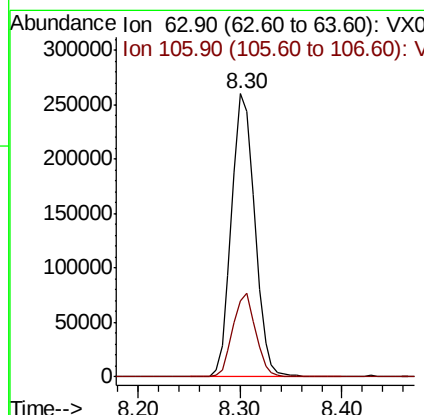
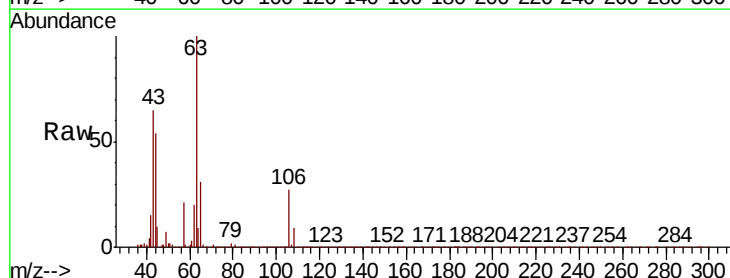
Acq: 20 Nov 2019 11:36

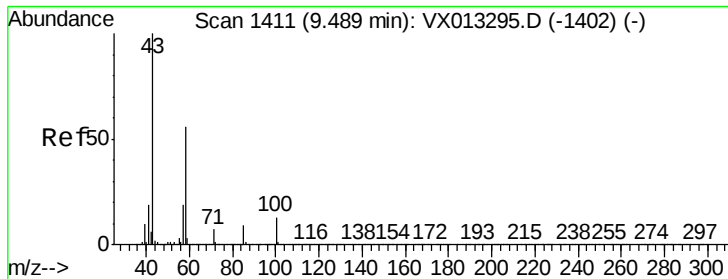
Tgt Ion: 63 Resp: 412139

Ion Ratio Lower Upper

63 100

106 28.9 23.4 35.2





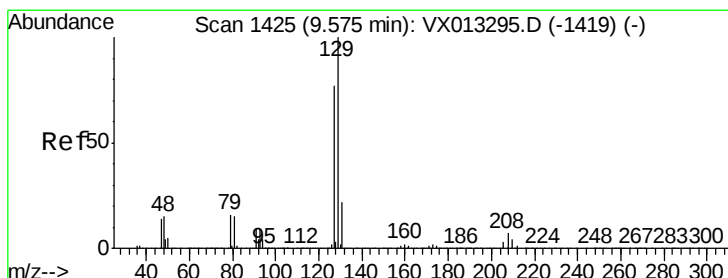
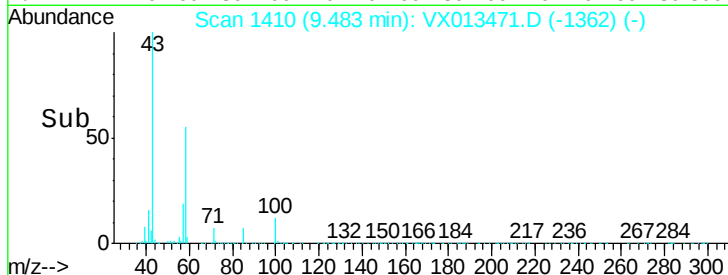
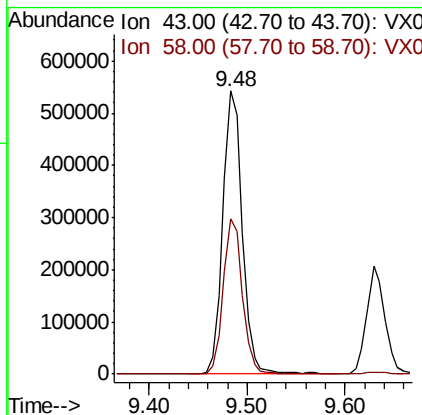
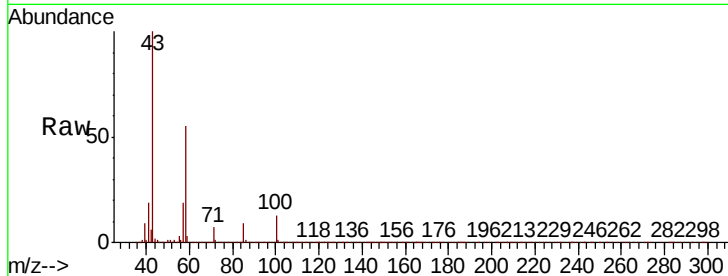
#59
2-Hexanone
Concen: 99.710 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion: 43 Resp: 747140
Ion Ratio Lower Upper
43 100
58 54.3 27.3 81.8

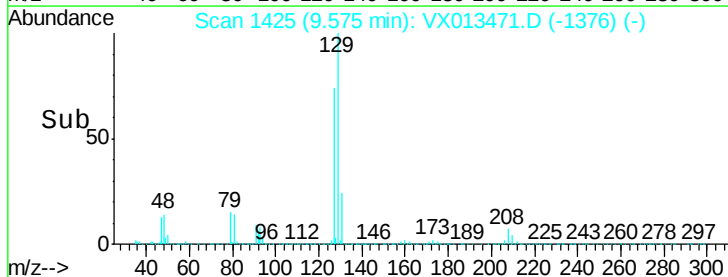
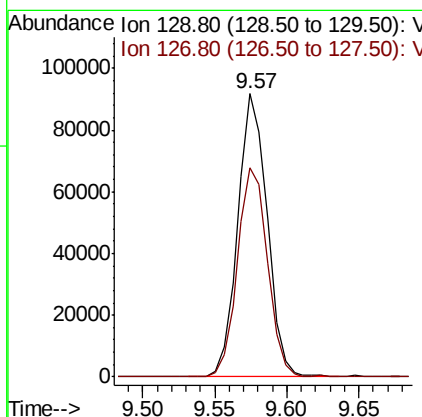
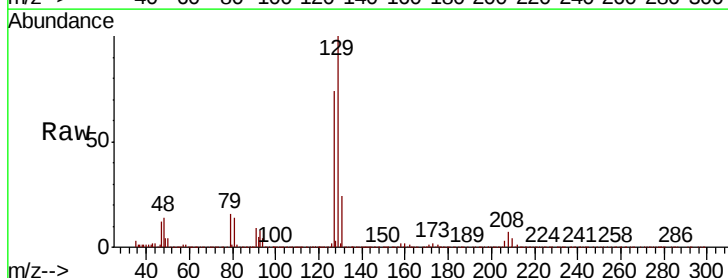
Manual Integrations
APPROVED

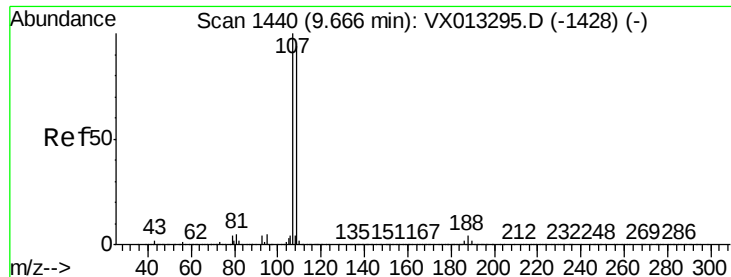
MMDadoda
11/21/2019 9:51:00 AM



#60
Dibromochloromethane
Concen: 20.678 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion: 129 Resp: 129987
Ion Ratio Lower Upper
129 100
127 75.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.937 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1120WBSD01

Tot Ion: 107 Resp: 130124

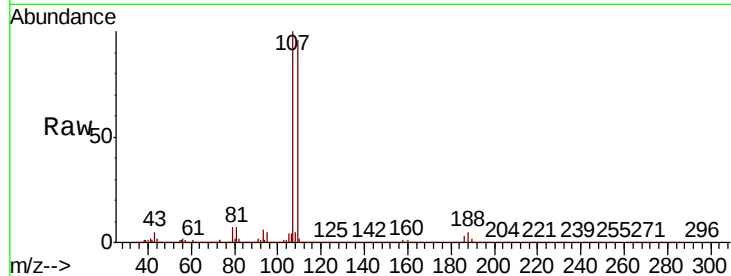
Ion Ratio Lower Upper

107 100

109 95.0 75.1 112.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

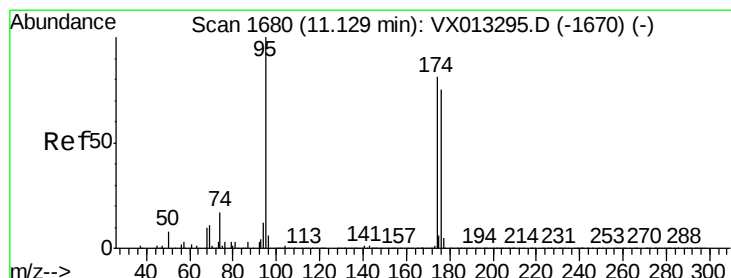
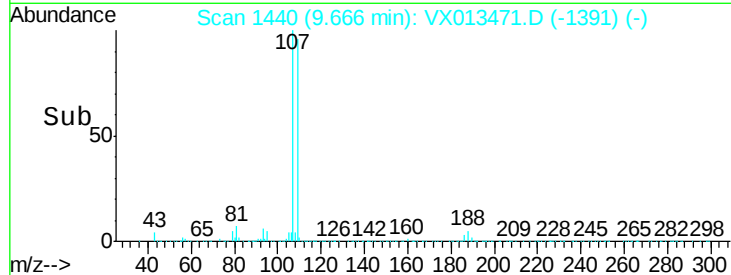
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.034 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

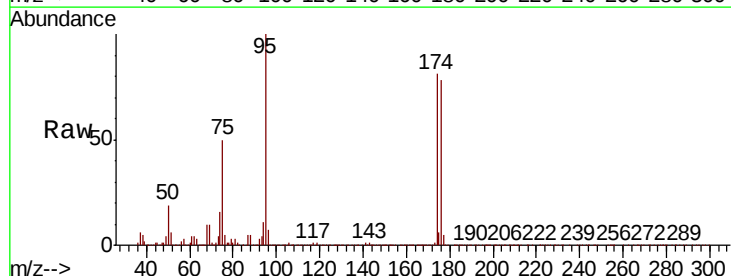
Tgt Ion: 95 Resp: 351726

Ion Ratio Lower Upper

95 100

174 89.2 0.0 179.8

176 86.4 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

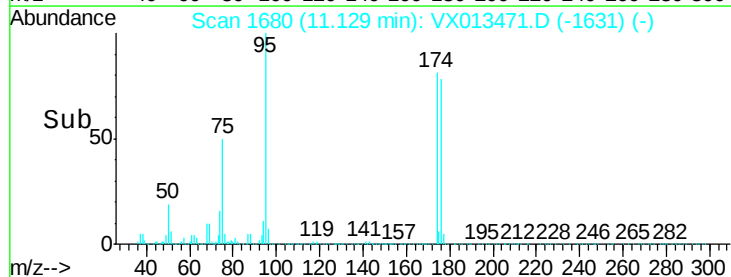
300000

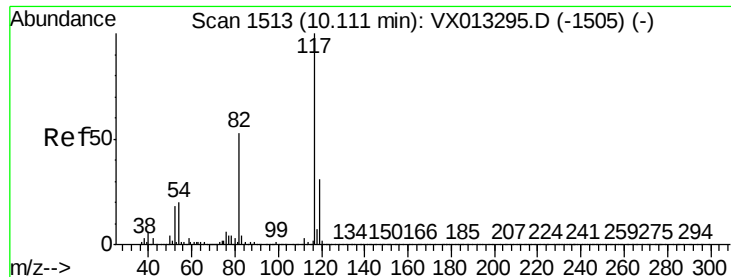
200000

100000

0

Time-->





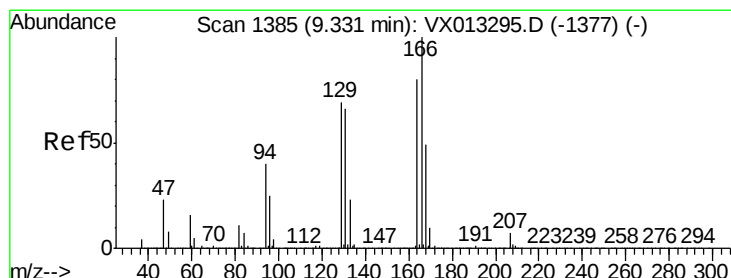
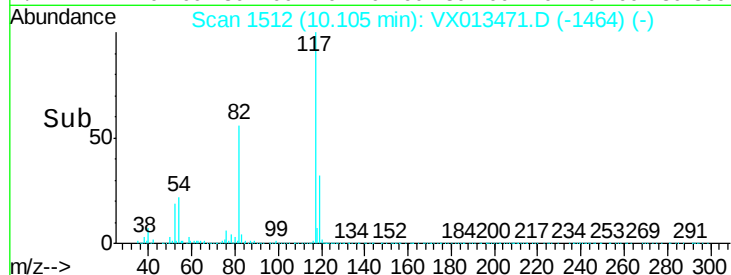
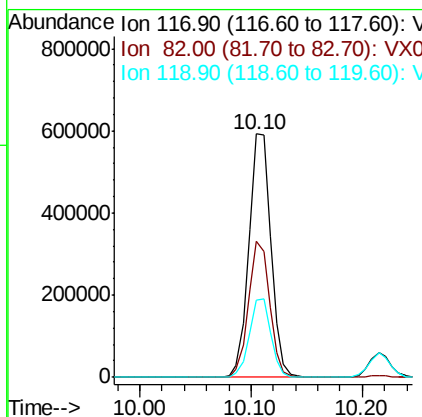
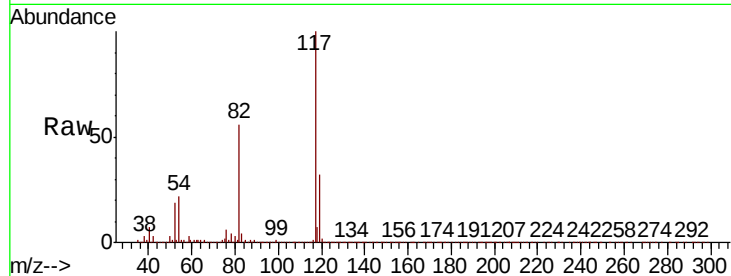
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	42.6	64.0
119	31.6	24.8	37.2

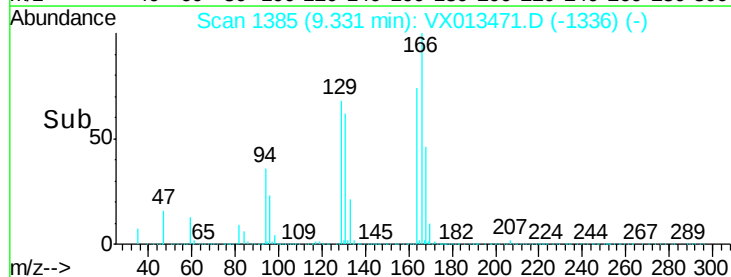
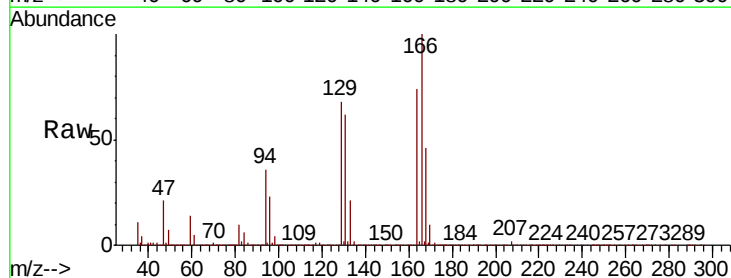
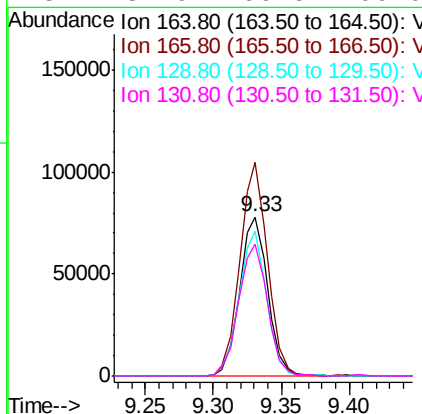
Manual Integrations
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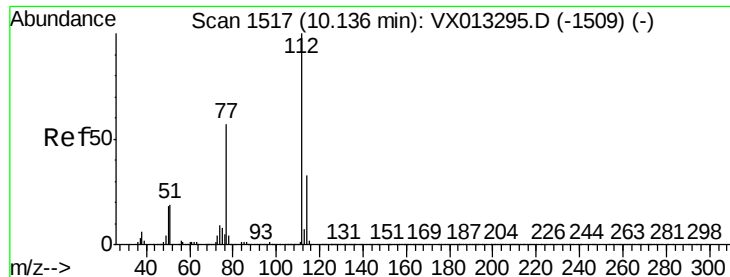
MMDadoda
11/21/2019 9:51:00 AM



#64
Tetrachloroethene
Concen: 19.035 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.2	100.4	150.6
129	91.0	69.4	104.2
131	82.9	66.6	100.0





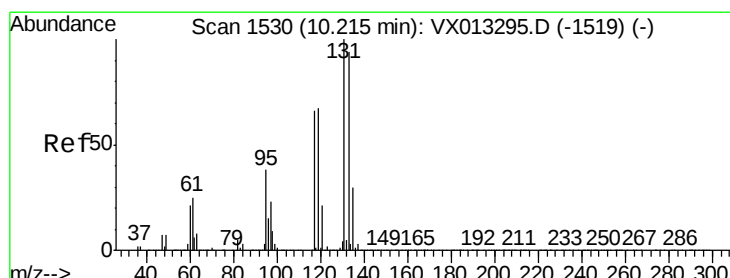
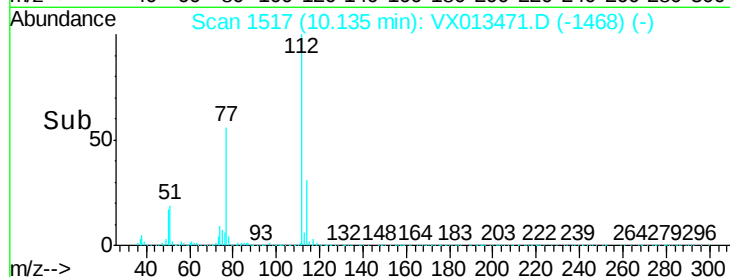
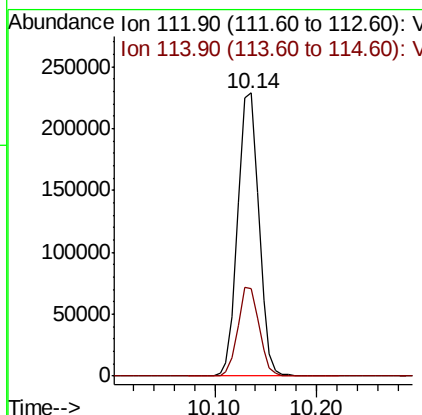
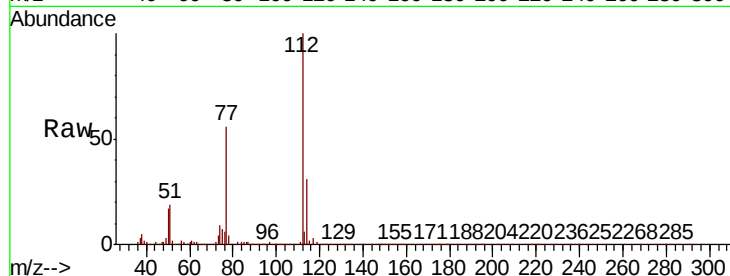
#65
Chlorobenzene
Concen: 19.763 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	326145		
114	31.0	26.4	39.6	

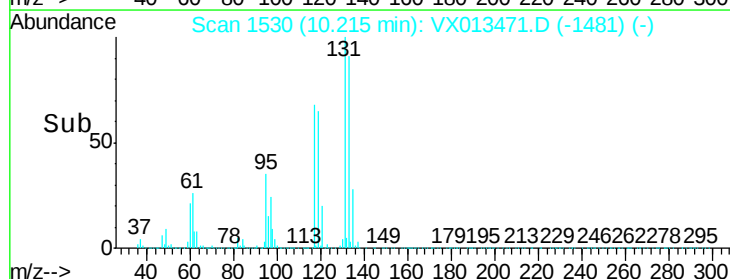
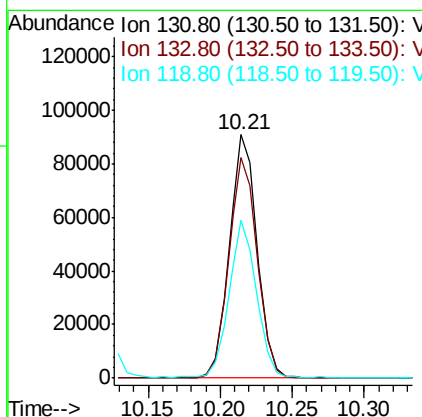
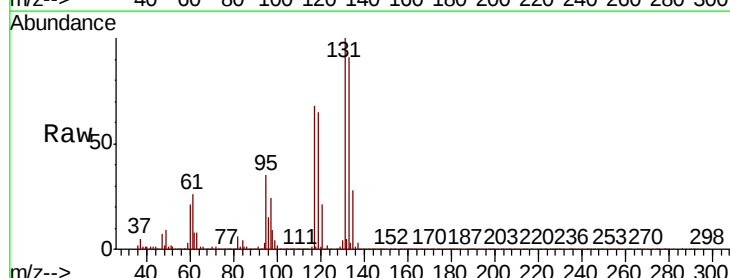
Manual Integrations
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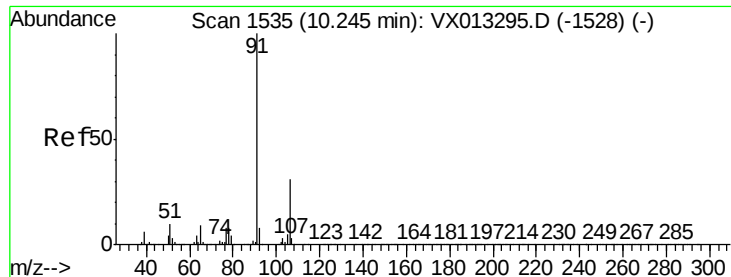
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.135 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	122005		
133	93.1	48.0	144.0	
119	64.4	33.0	99.0	





#67

Ethyl Benzene

Concen: 19.309 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1120WBSD01

Tot Ion: 91 Resp: 549955

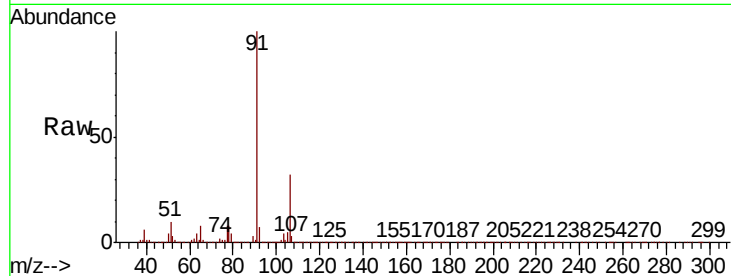
Ion Ratio Lower Upper

91 100

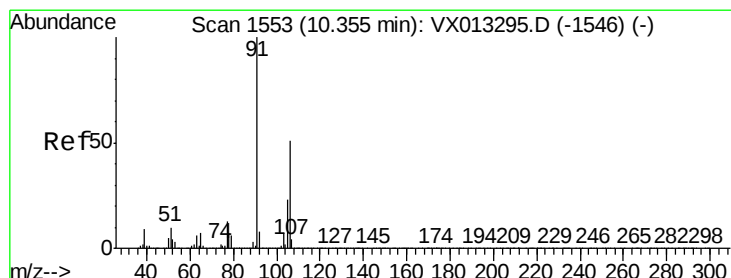
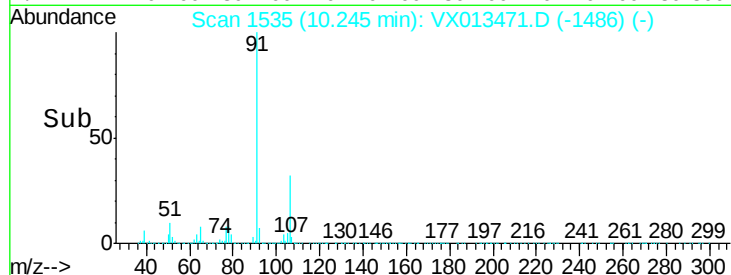
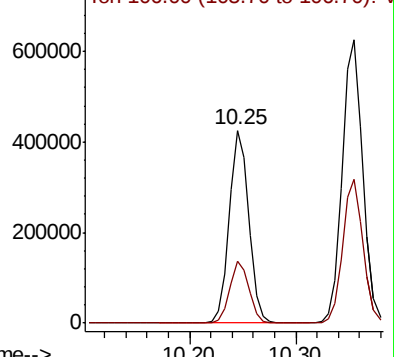
106 32.0 24.6 36.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX013295.D (-1528) (-)



#68

m/p-Xylenes

Concen: 39.316 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013471.D

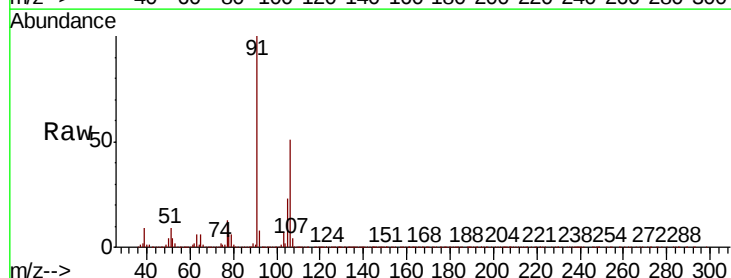
Acq: 20 Nov 2019 11:36

Tgt Ion: 106 Resp: 423495

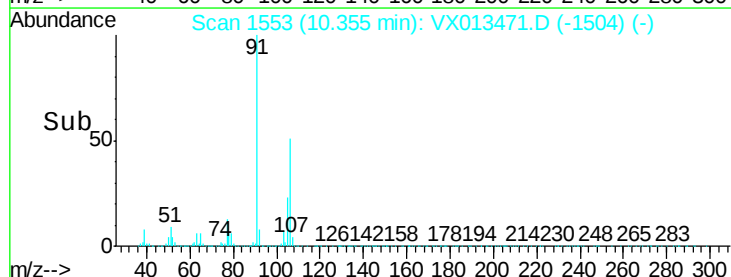
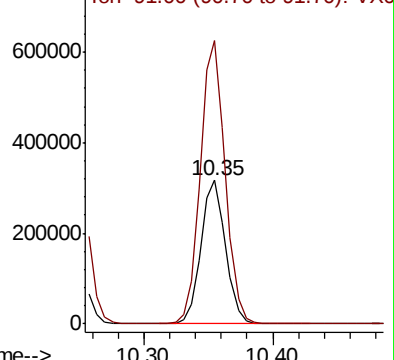
Ion Ratio Lower Upper

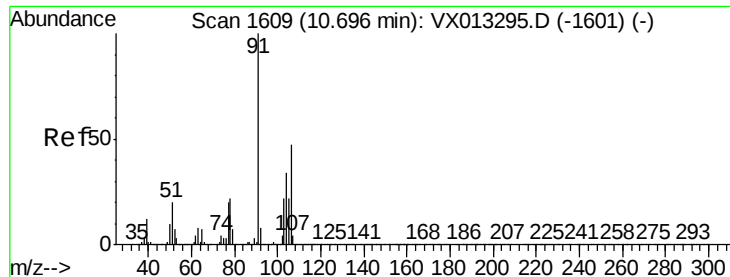
106 100

91 199.1 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): VX013295.D (-1546) (-)





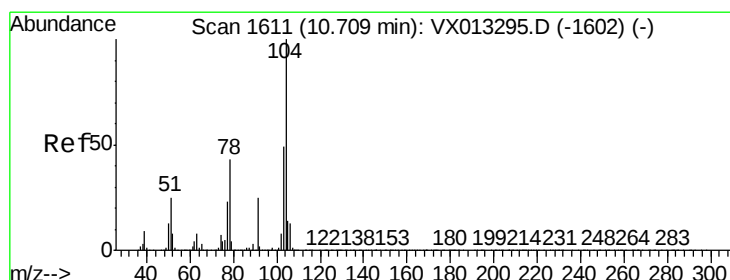
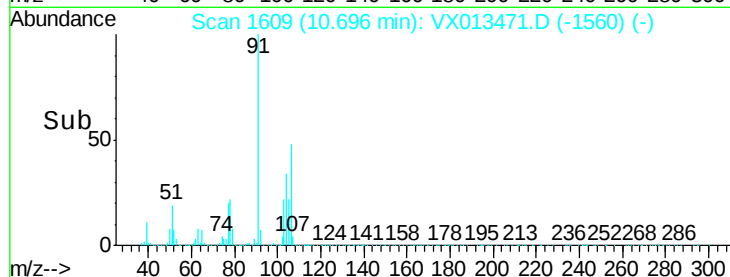
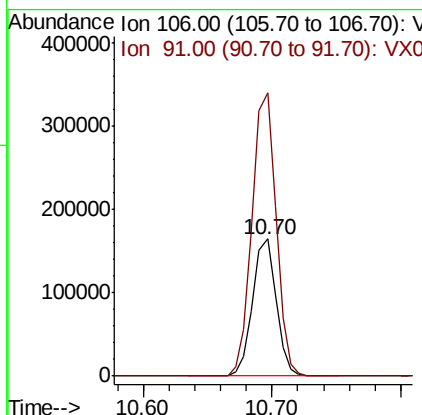
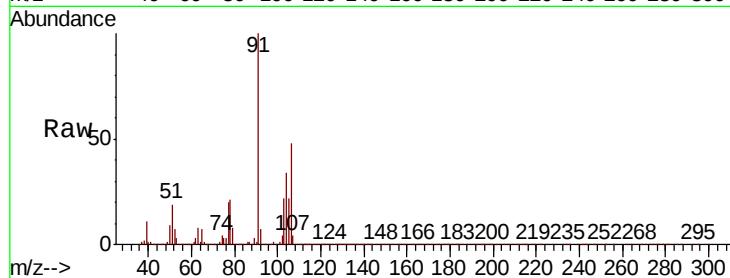
#69
o-Xylene
Concen: 19.588 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.9	105.7	317.0

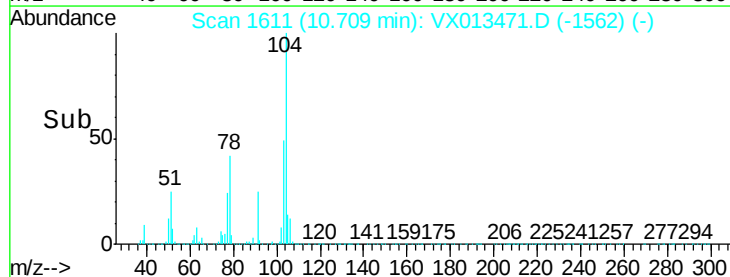
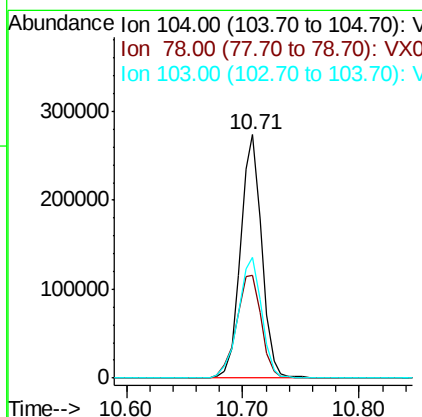
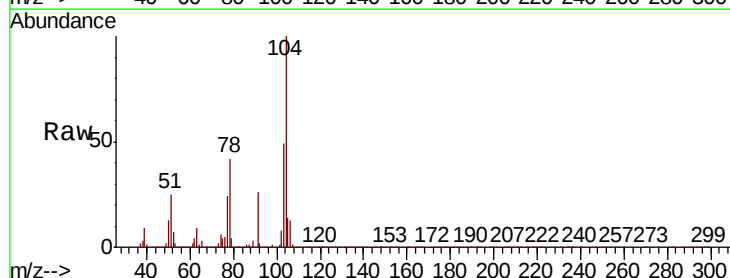
Manual Integrations
APPROVED

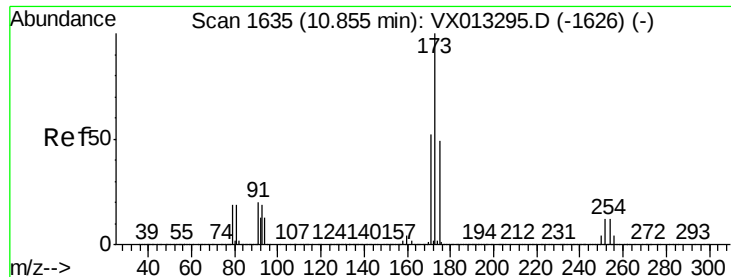
MMDadoda
11/21/2019 9:51:00 AM



#70
Styrene
Concen: 19.682 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	40.0	60.0
103	55.6	44.1	66.1





#71

Bromoform

Concen: 19.840 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1120WBSD01

Tot Ion:173 Resp: 99867

Ion Ratio Lower Upper

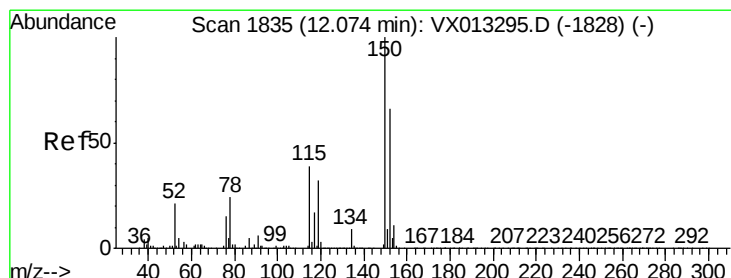
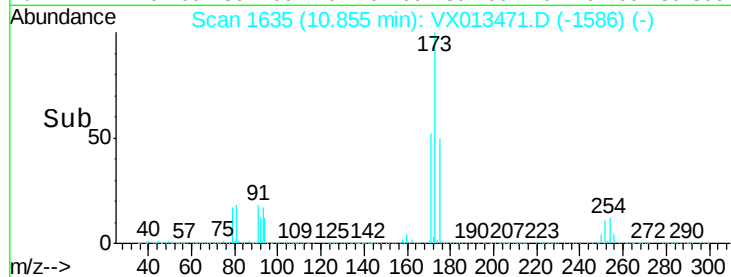
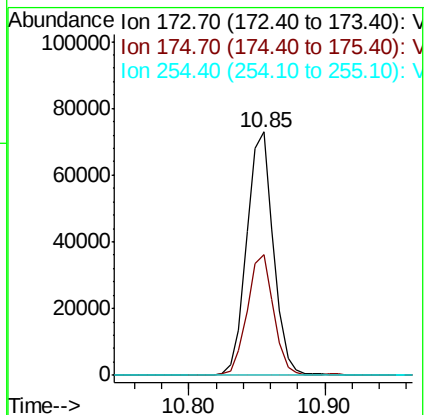
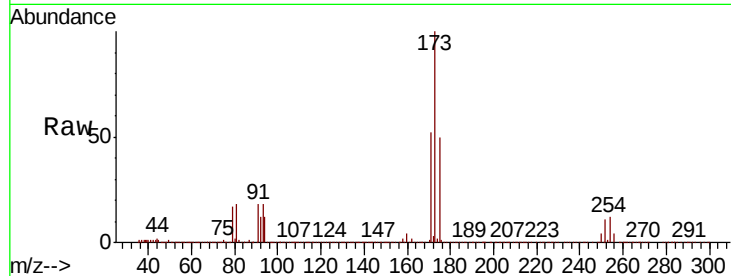
173 100

175 48.8 24.8 74.4

254 0.1 0.2 0.2#

Manual Integrations
APPROVED

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

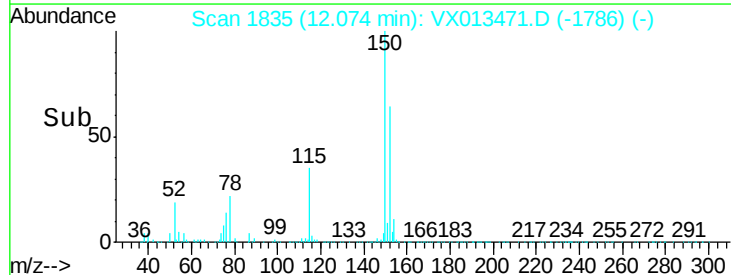
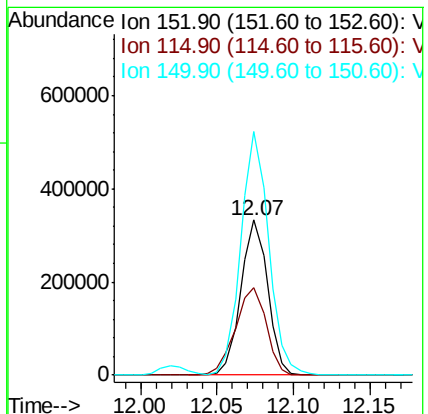
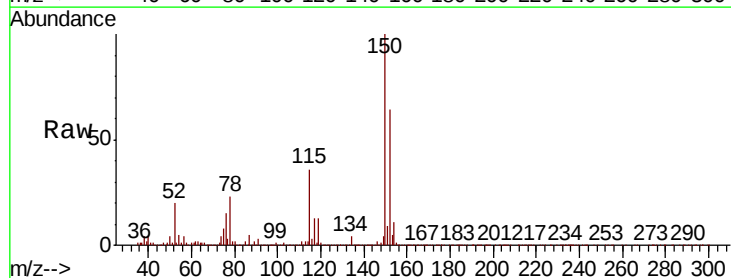
Tgt Ion:152 Resp: 405263

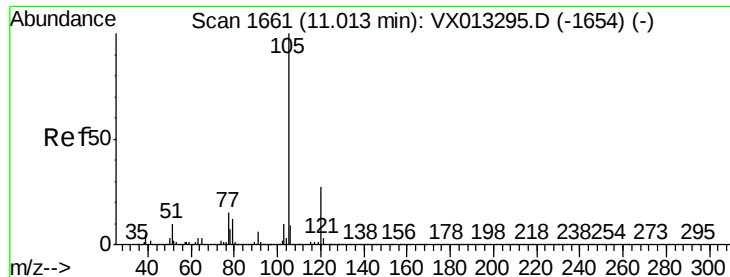
Ion Ratio Lower Upper

152 100

115 64.5 39.5 118.3

150 162.7 0.0 344.4





#73

Isopropylbenzene

Concen: 20.419 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1120WBSD01

Tot Ion: 105 Resp: 548649

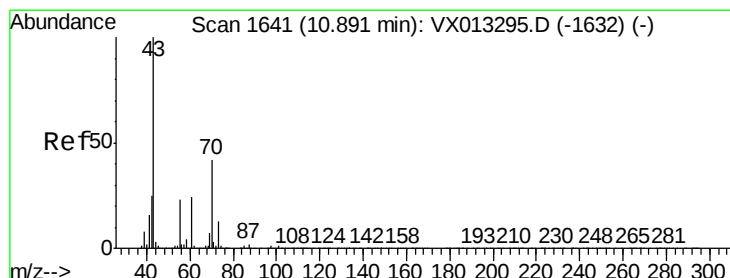
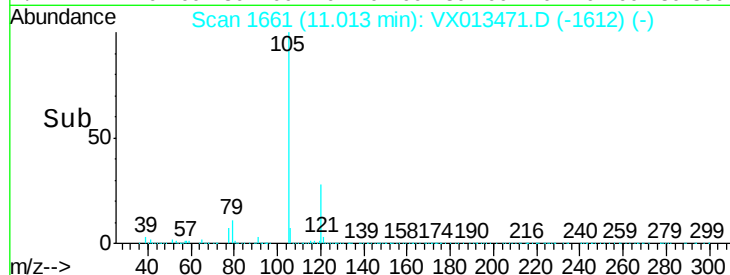
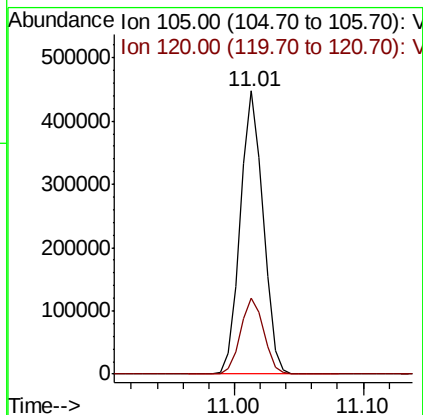
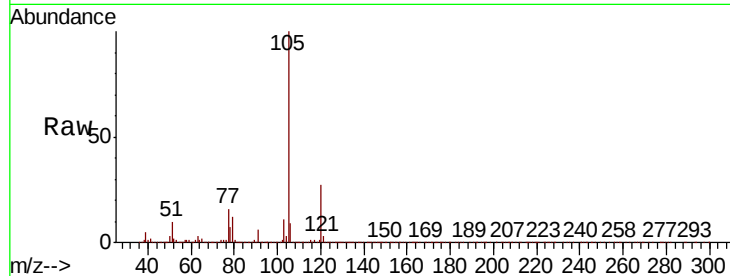
Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.5

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.865 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Tgt Ion: 43 Resp: 259982

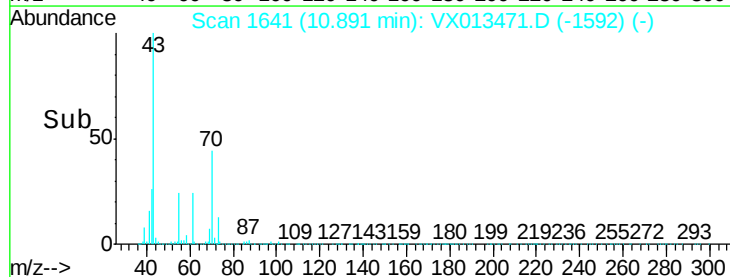
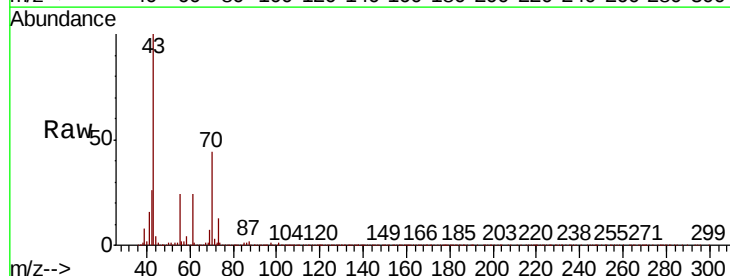
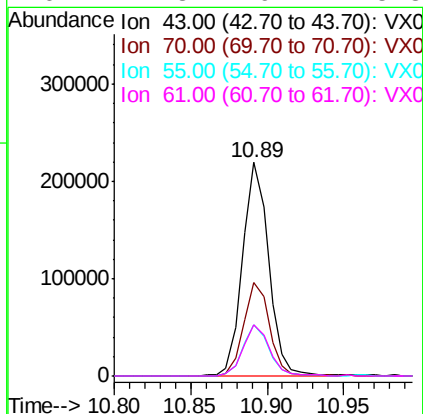
Ion Ratio Lower Upper

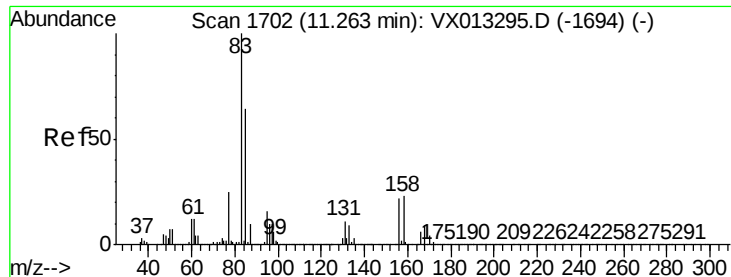
43 100

70 43.9 34.1 51.1

55 24.0 18.9 28.3

61 24.3 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.210 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

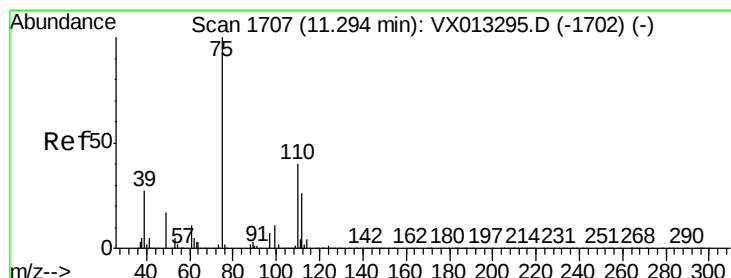
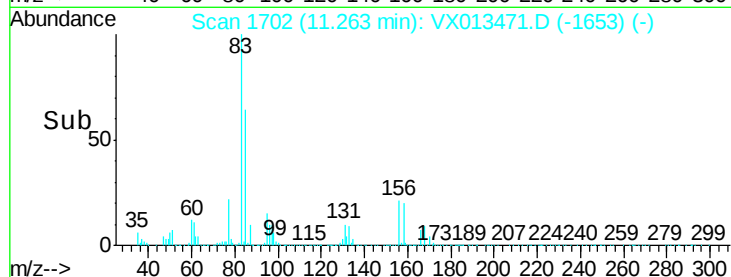
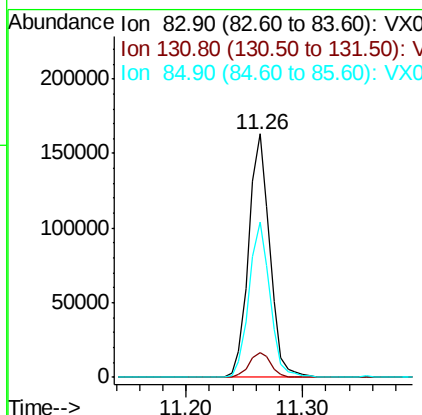
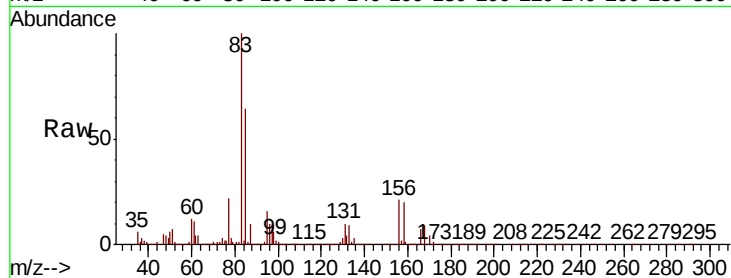
ClientSampleId :

VX1120WBSD01

Tot Ion:	83	Resp:	207905
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.3
85	63.5	32.3	96.8

Manual Integrations
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11/21/2019 9:51:00 AM



#76

1,2,3-Trichloropropane

Concen: 19.860 ug/l m

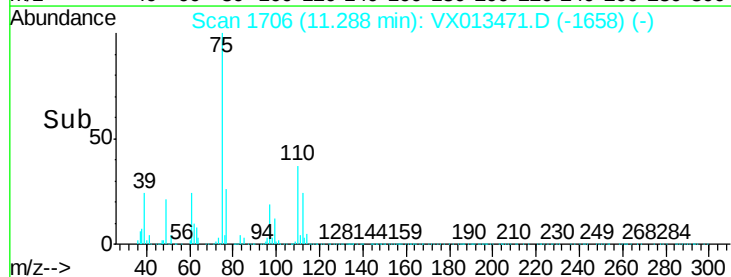
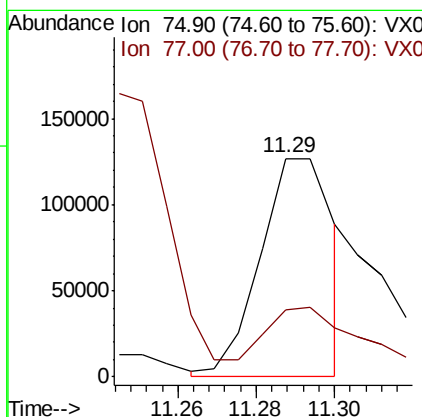
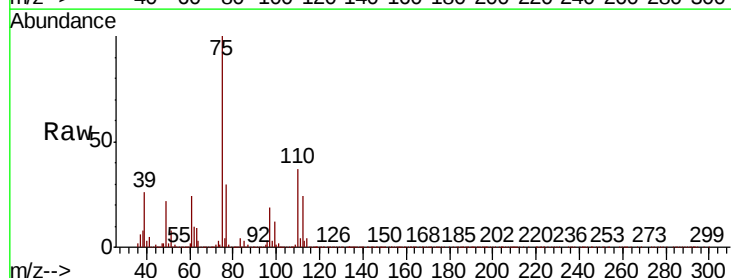
RT: 11.29 min Scan# 1706

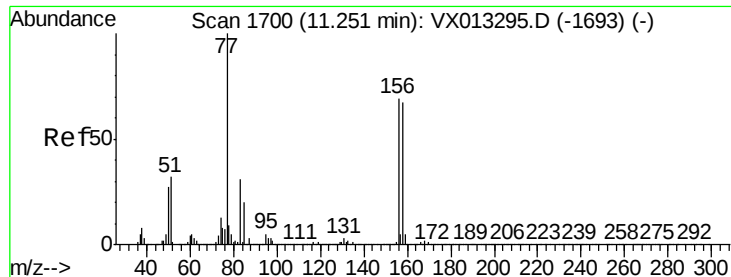
Delta R.T. -0.01 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Tgt Ion:	75	Resp:	163480
Ion Ratio	Lower	Upper	
75	100		
77	42.5	22.3	66.8





#77

Bromobenzene

Concen: 20.365 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

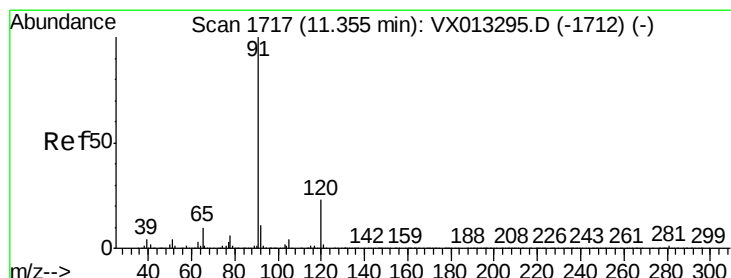
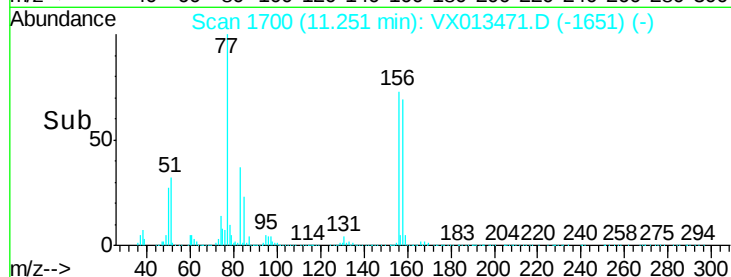
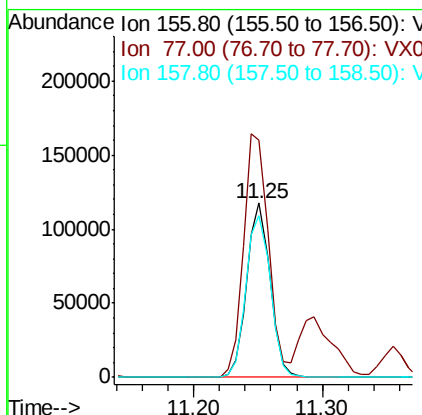
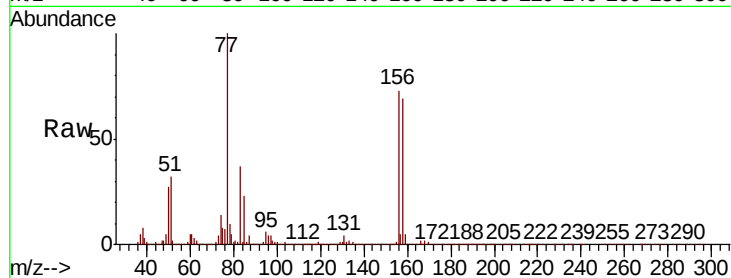
ClientSampleId :

VX1120WBSD01

Tot Ion:	156	Resp:	145878
Ion Ratio	Lower	Upper	
156	100		
77	149.9	75.8	227.4
158	97.5	47.6	142.8

Manual Integrations
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11/21/2019 9:51:00 AM



#78

n-propylbenzene

Concen: 20.406 ug/l

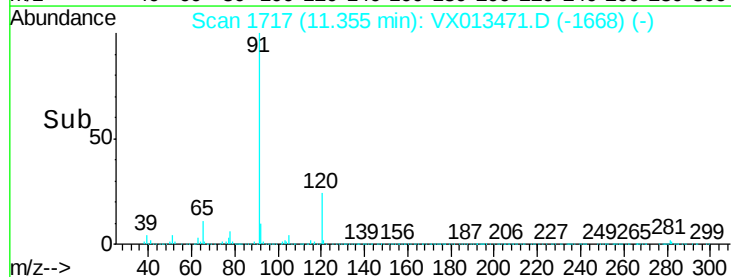
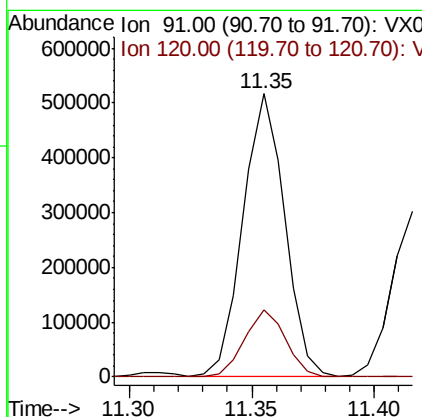
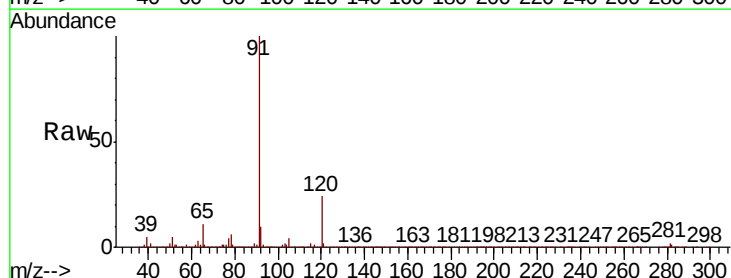
RT: 11.35 min Scan# 1717

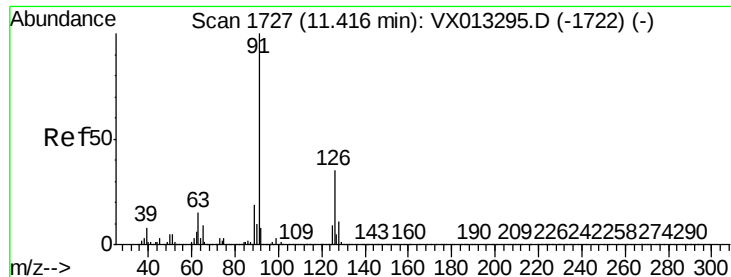
Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Tgt Ion:	91	Resp:	610776
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.6	34.8





#79

2-Chlorotoluene

Concen: 20.276 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1120WBSD01

Tot Ion: 91 Resp: 365639

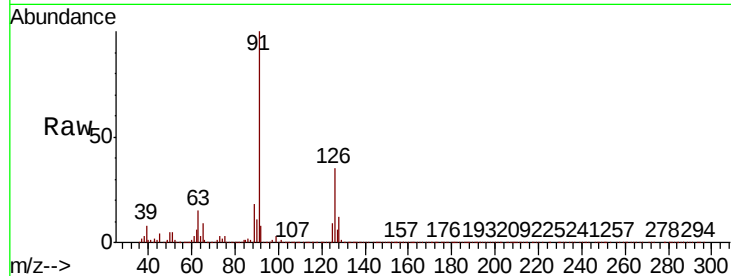
Ion Ratio Lower Upper

91 100

126 35.5 17.3 52.0

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Abundance Ion 91.00 (90.70 to 91.70): VX013295.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX013295.D (-1722) (-)

600000

500000

400000

300000

200000

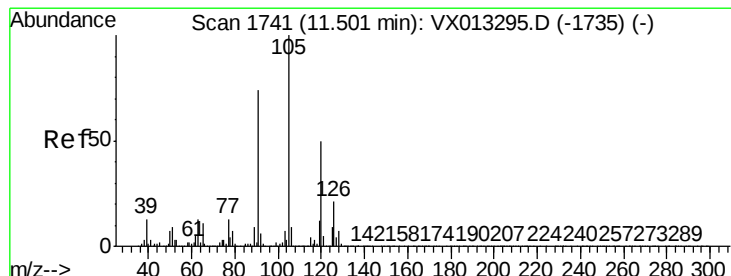
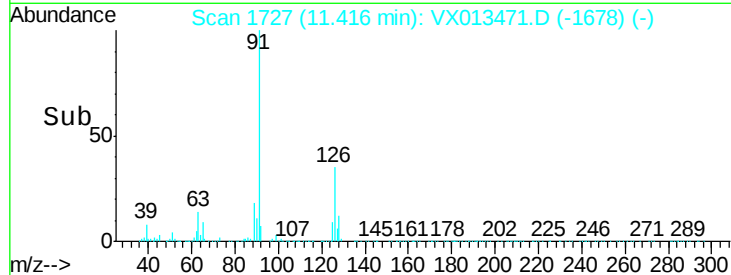
100000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.215 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013471.D

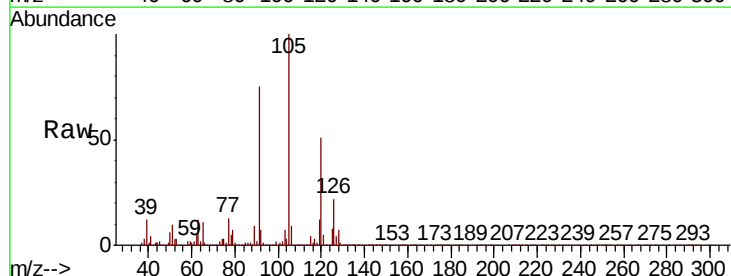
Acq: 20 Nov 2019 11:36

Tgt Ion: 105 Resp: 452430

Ion Ratio Lower Upper

105 100

120 51.1 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VX013295.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX013295.D (-1735) (-)

400000

300000

200000

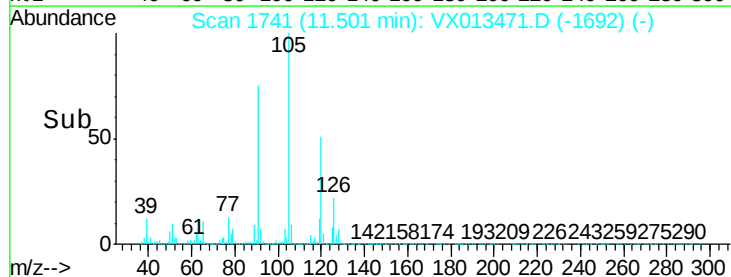
100000

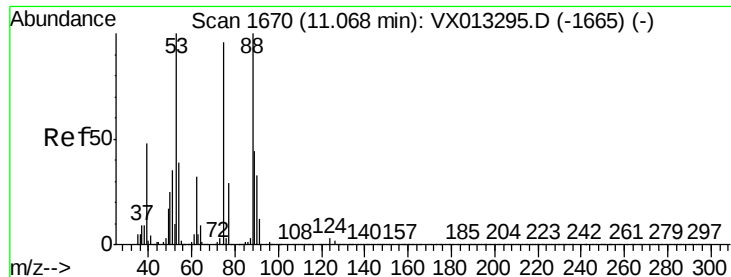
0

11.50

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.316 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

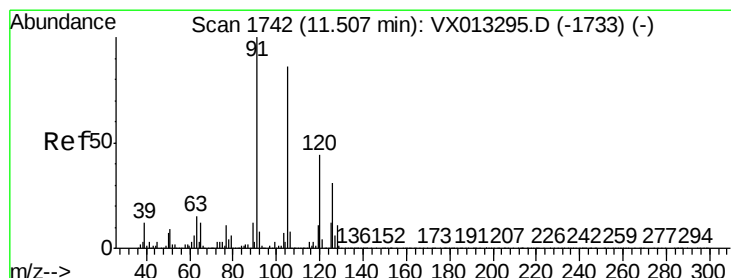
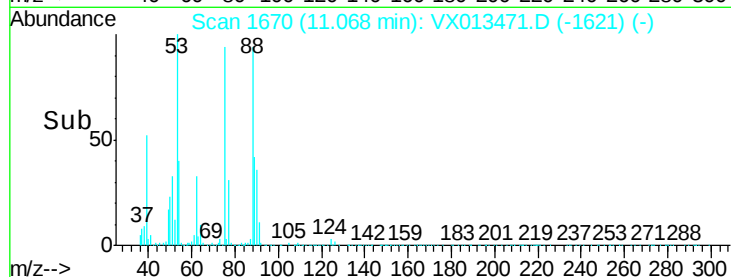
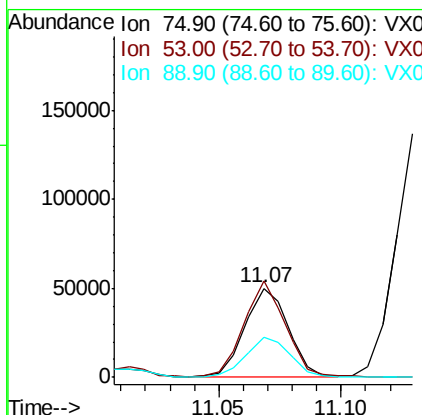
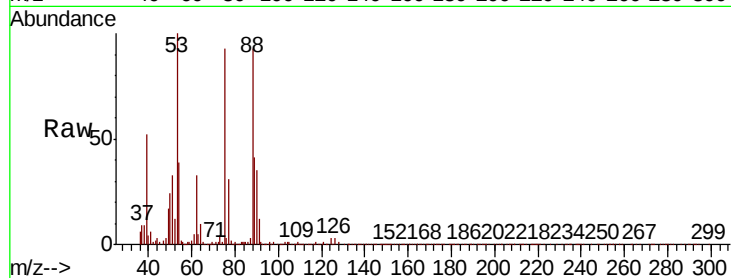
ClientSampleId :

VX1120WBSD01

Tot Ion:	75	Resp:	61772
Ion	Ratio	Lower	Upper
75	100		
53	101.7	81.0	121.6
89	44.8	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.546 ug/l

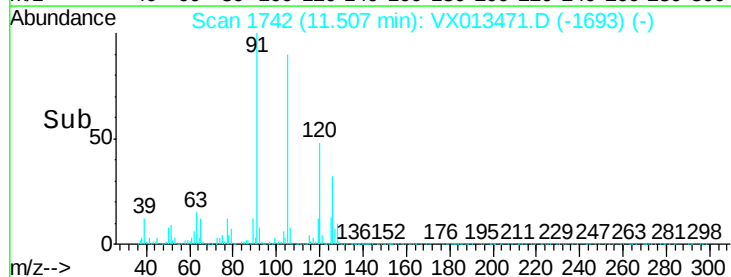
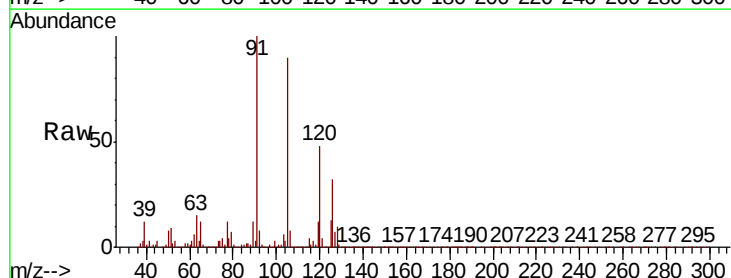
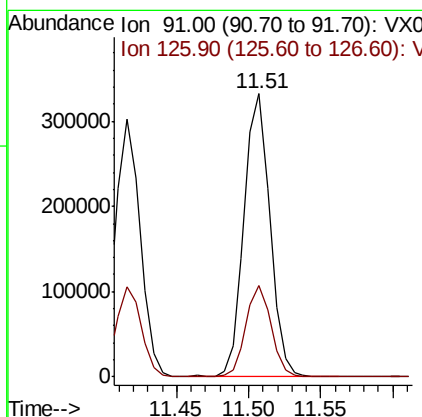
RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Tgt Ion:	91	Resp:	412605
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.3	45.8





#83

tert-Butylbenzene

Concen: 20.417 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

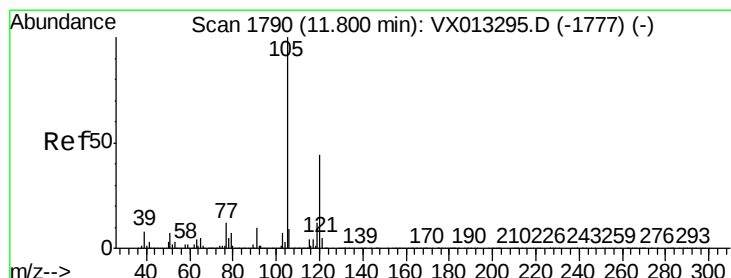
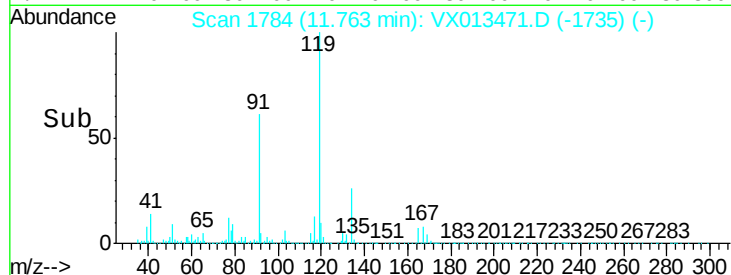
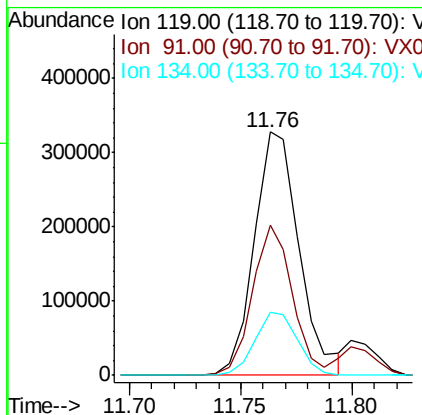
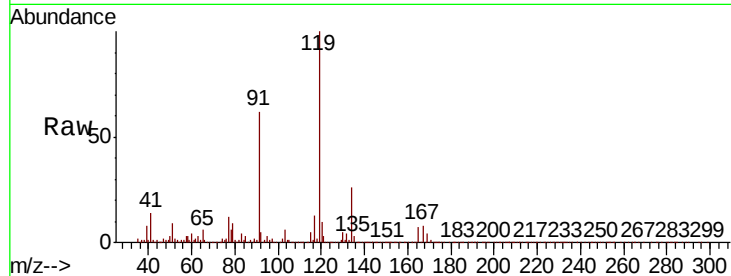
ClientSampleId :

VX1120WBSD01

Tot Ion:	119	Resp:	459983
Ion Ratio	Lower	Upper	
119	100		
91	54.7	26.9	80.7
134	24.5	11.7	35.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.493 ug/l

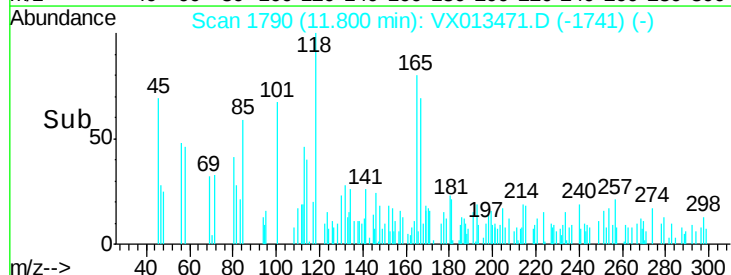
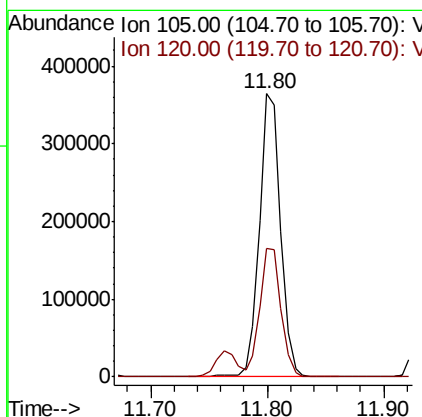
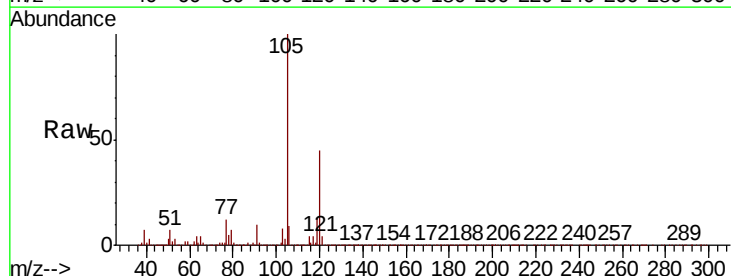
RT: 11.80 min Scan# 1790

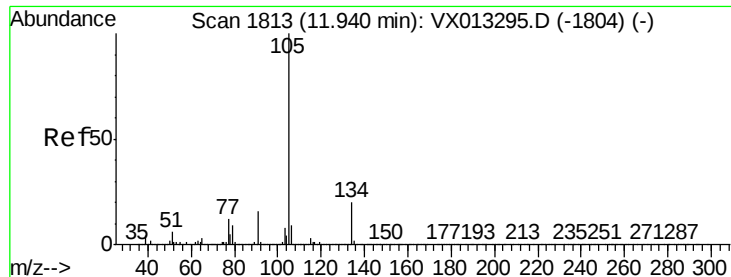
Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Tgt Ion:	105	Resp:	460086
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.7	68.1





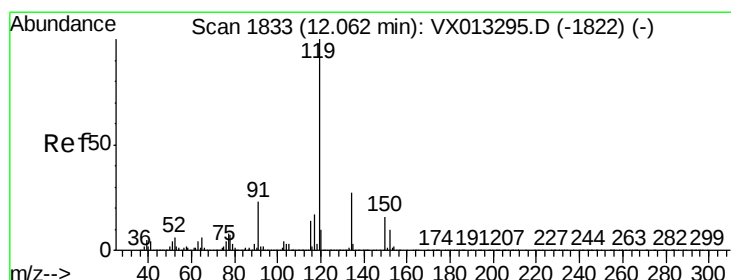
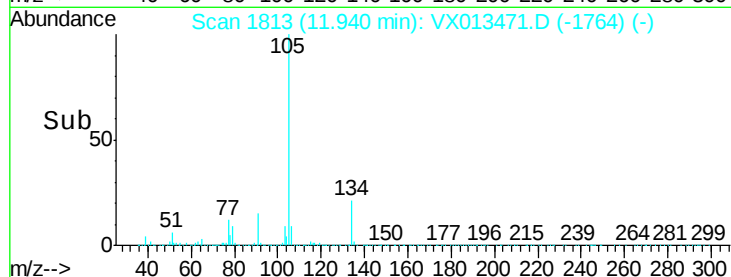
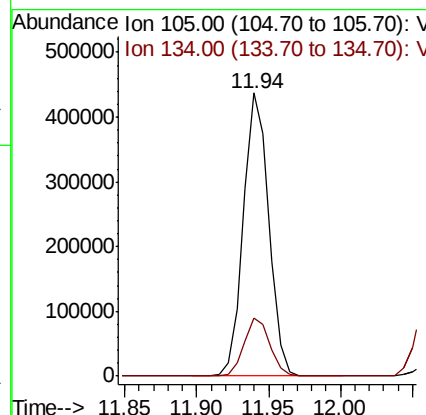
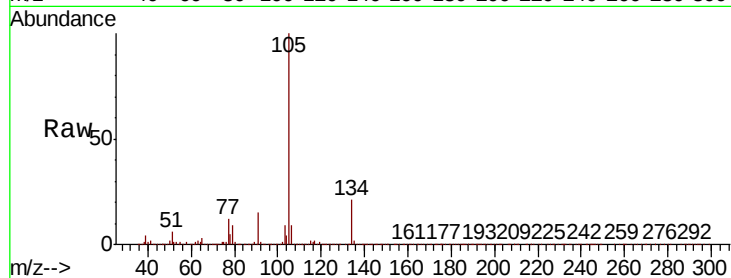
#85
 sec-Butylbenzene
 Concen: 20.629 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013471.D
 Acq: 20 Nov 2019 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.3	30.9

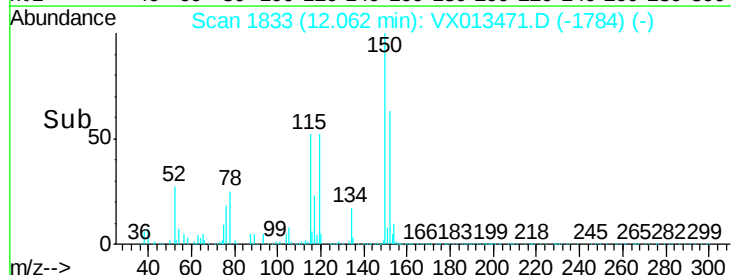
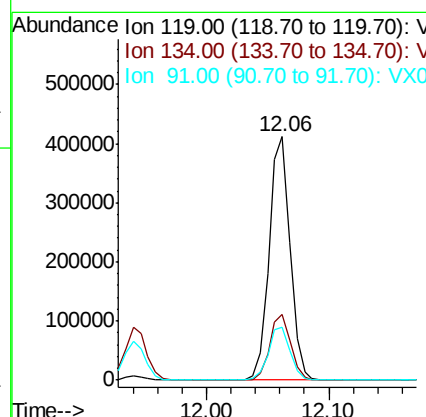
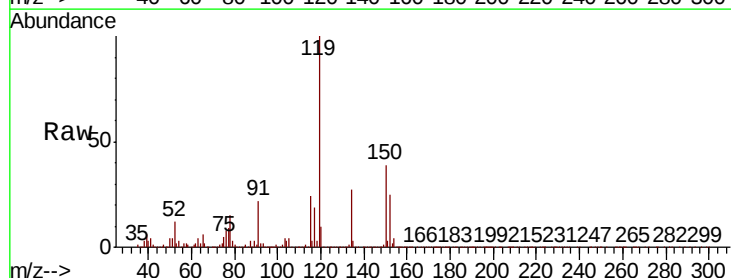
Manual Integrations
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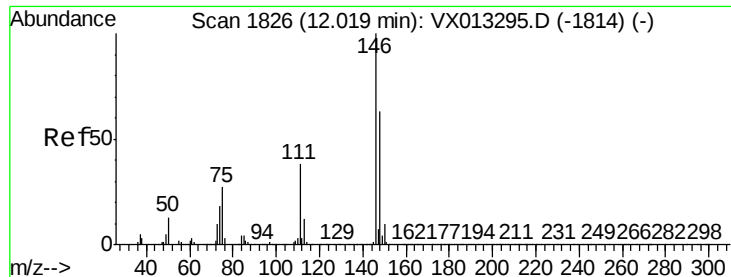
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#86
 p-Isopropyltoluene
 Concen: 20.578 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX013471.D
 Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.3	39.8
91	22.5	11.5	34.4





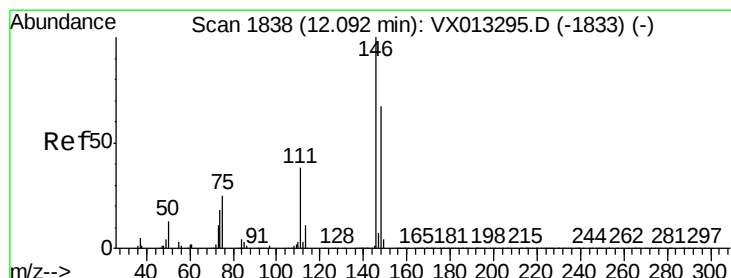
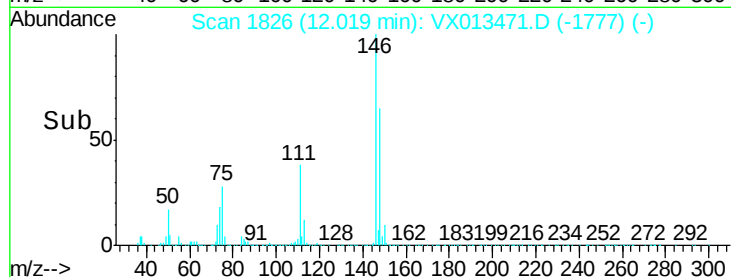
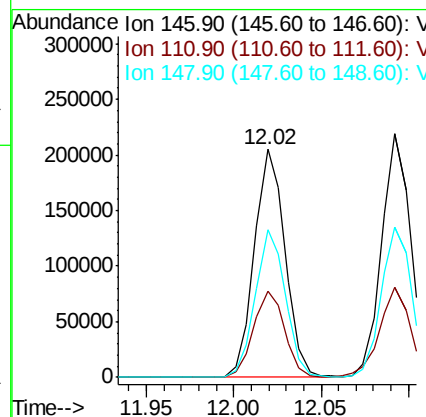
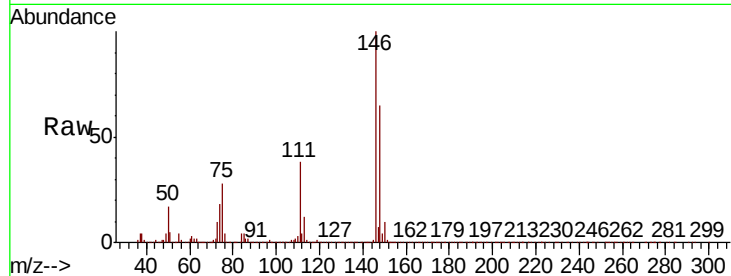
#87
 1,3-Dichlorobenzene
 Concen: 19.744 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013471.D
 Acq: 20 Nov 2019 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1120WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.5
148	63.8	31.9	95.7

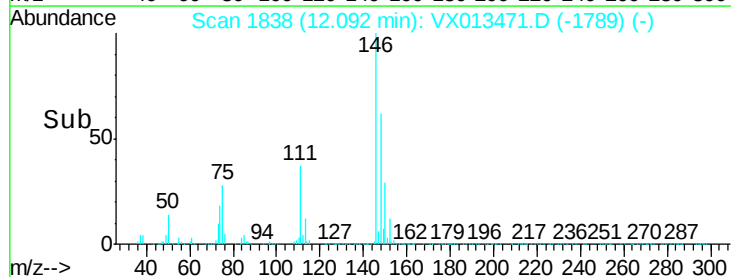
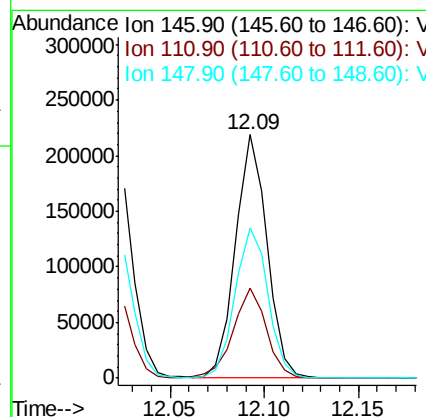
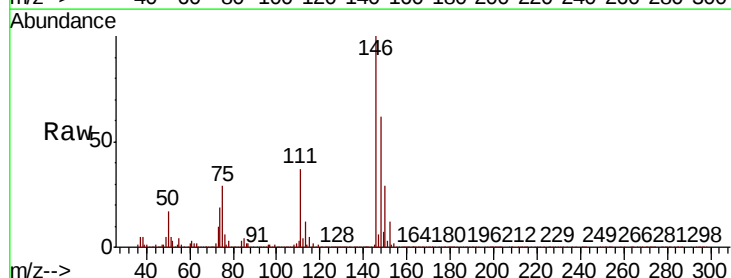
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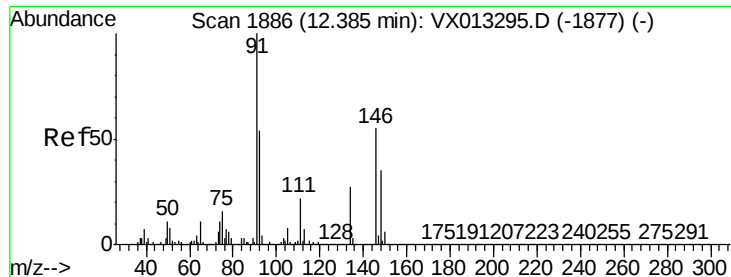
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#88
 1,4-Dichlorobenzene
 Concen: 19.559 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013471.D
 Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.8	56.4
148	64.6	32.4	97.0





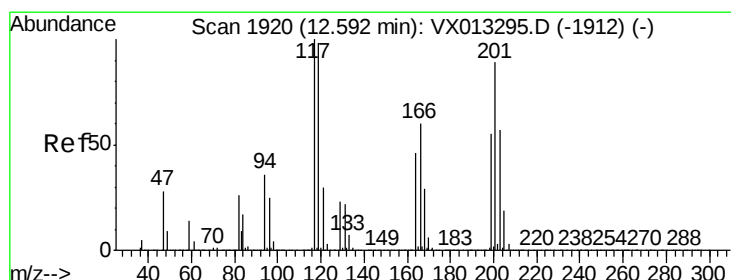
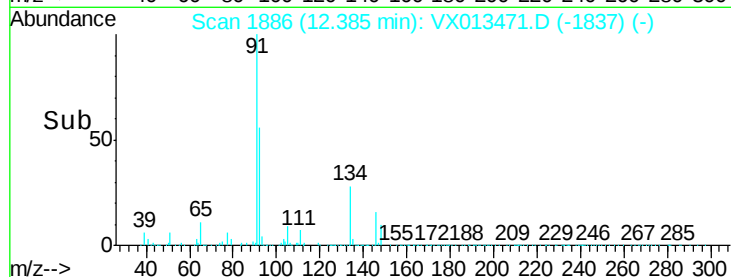
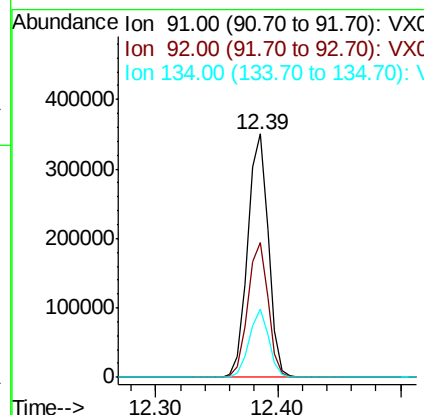
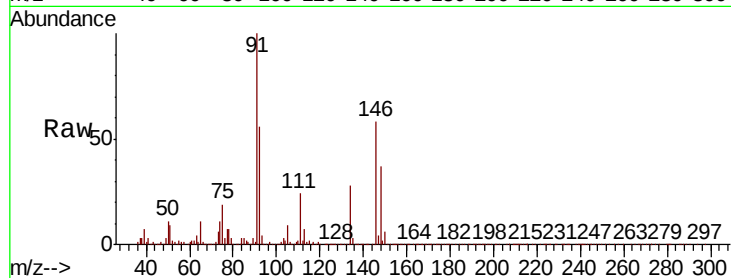
#89
n-Butylbenzene
Concen: 19.613 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1120WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.7	27.3	81.8	
134	26.6	13.5	40.5	

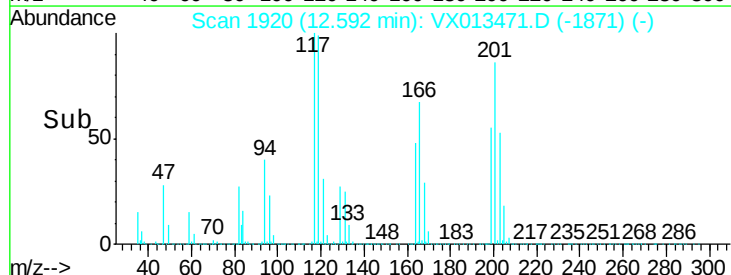
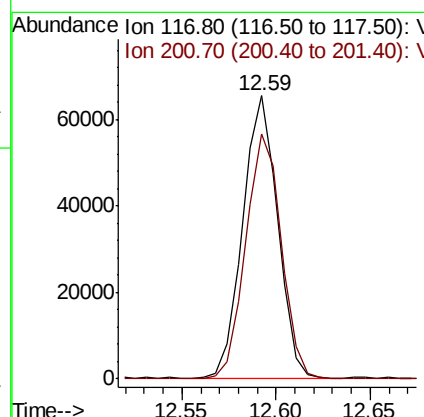
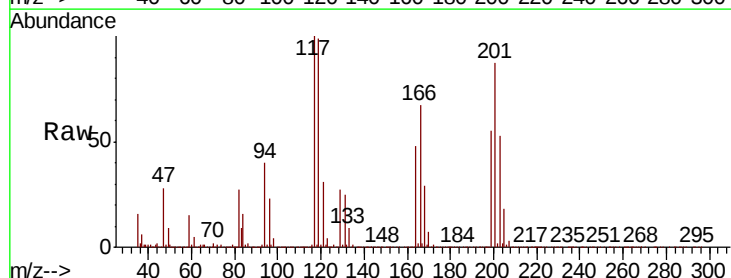
Manual Integrations
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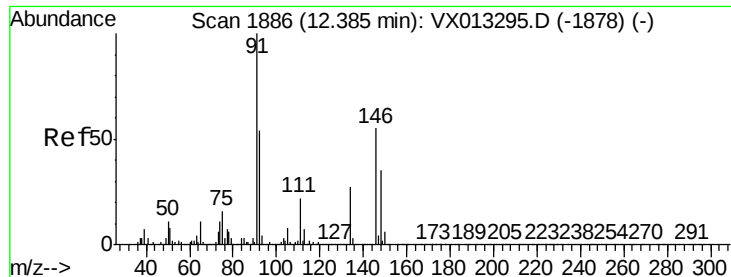
MMDadoda
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#90
Hexachloroethane
Concen: 19.929 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013471.D
Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	88.0	43.9	131.7	





#91

1,2-Dichlorobenzene

Concen: 20.006 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

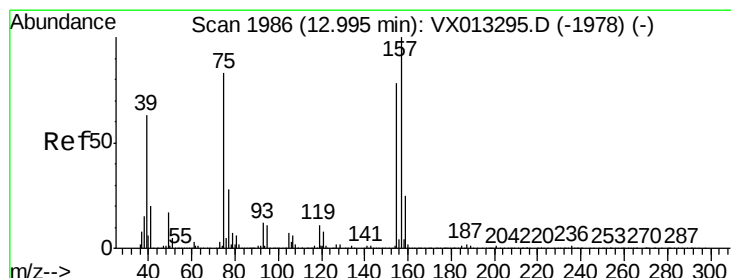
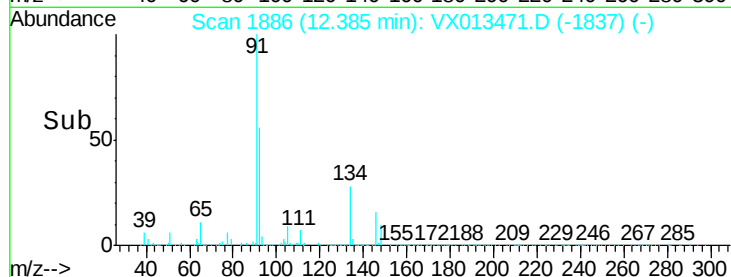
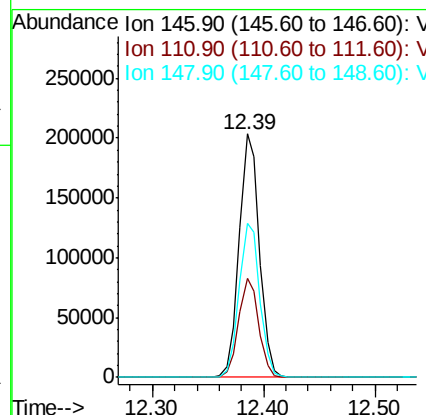
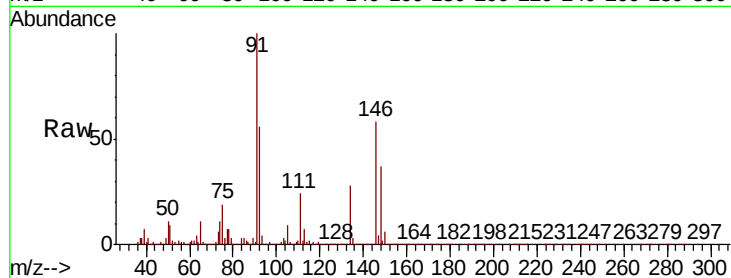
ClientSampleId :

VX1120WBSD01

Tot Ion:	146	Resp:	255336
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.1	60.2
148	64.9	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.956 ug/l

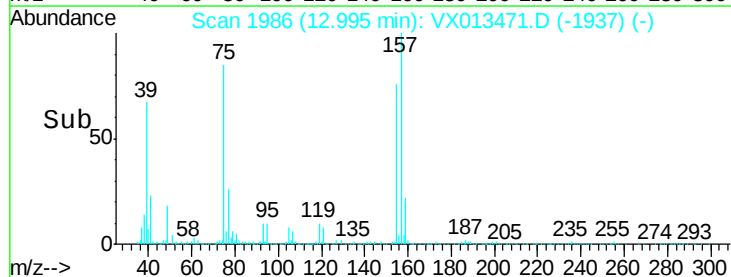
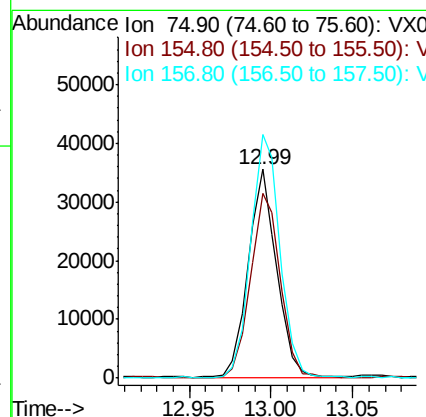
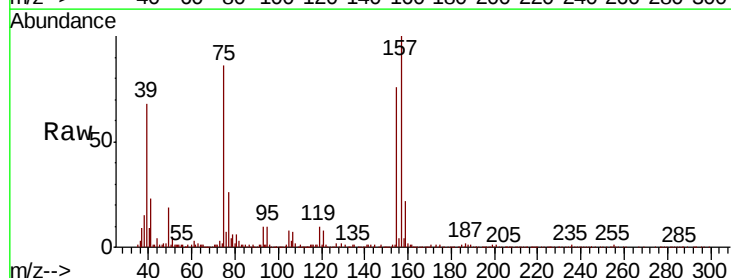
RT: 12.99 min Scan# 1986

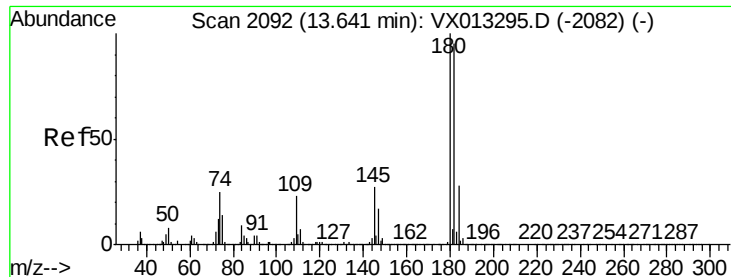
Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Tgt Ion:	75	Resp:	42882
Ion Ratio	Lower	Upper	
75	100		
155	94.5	47.1	141.4
157	122.5	61.3	183.8





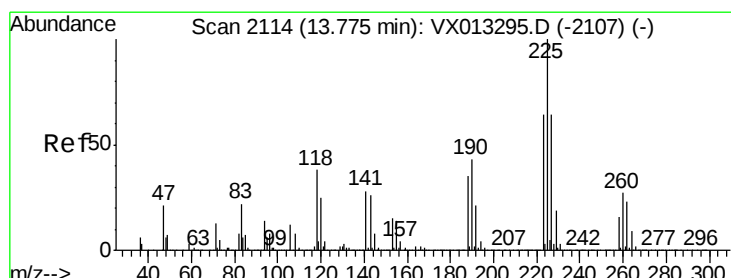
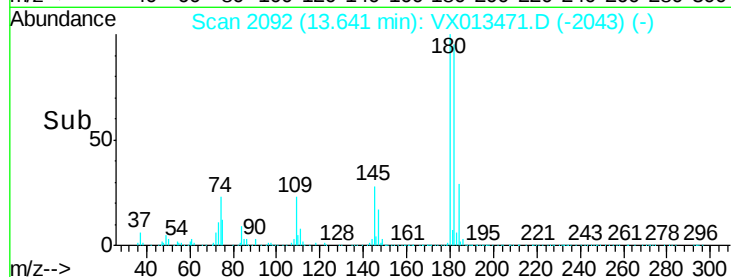
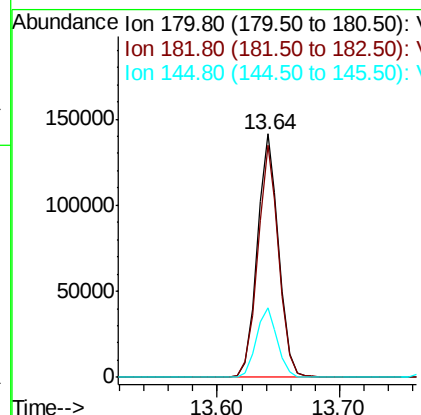
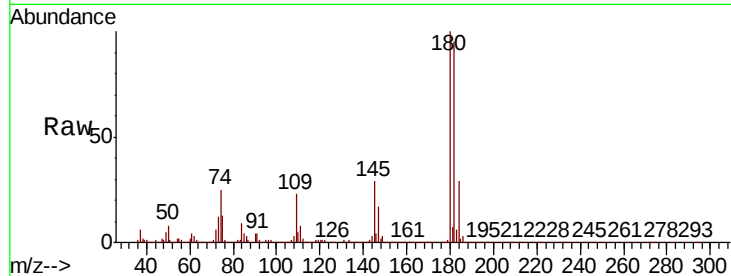
#93
 1,2,4-Trichlorobenzene
 Concen: 19.207 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013471.D
 Acq: 20 Nov 2019 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1120WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	170997		
182	94.1	48.4	145.0	
145	28.1	14.1	42.4	

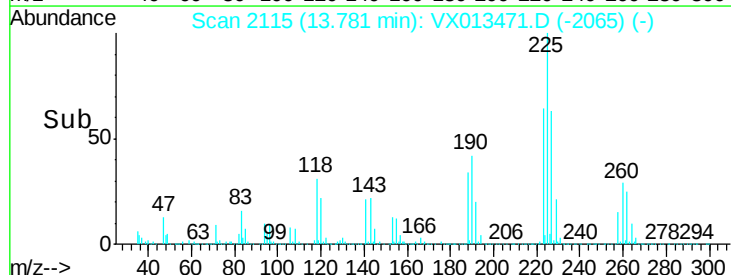
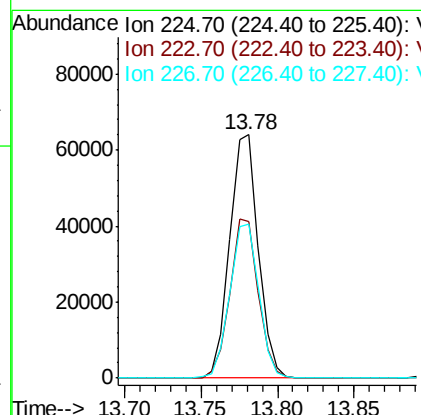
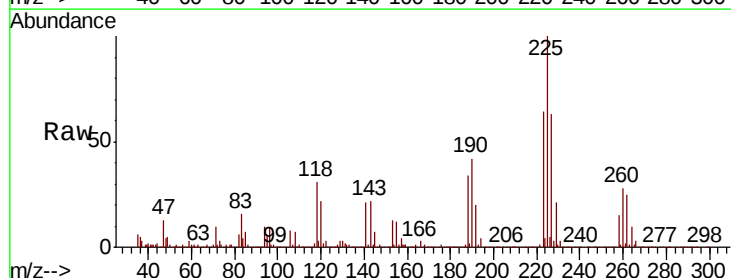
Manual Integrations
 APPROVED

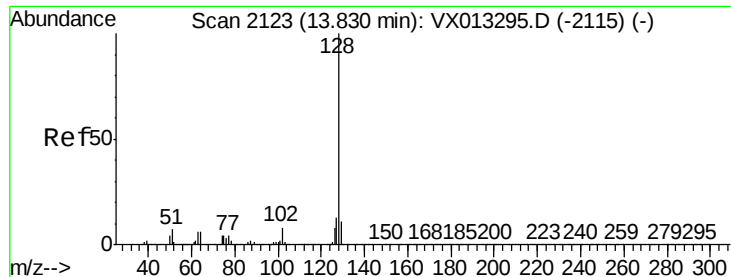
MMDadoda
 11/21/2019 9:51:00 AM



#94
 Hexachlorobutadiene
 Concen: 19.094 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX013471.D
 Acq: 20 Nov 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	83167		
223	64.7	31.9	95.7	
227	64.0	31.9	95.9	





#95

Naphthalene

Concen: 18.881 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Instrument :

MSVOA_X

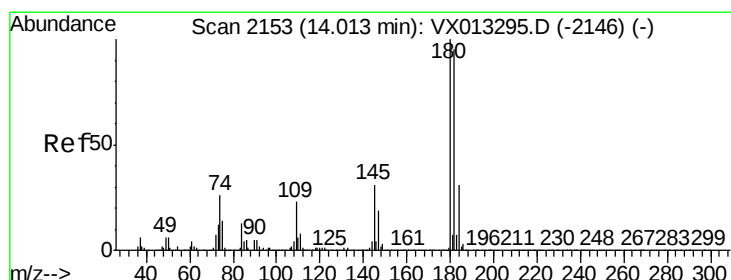
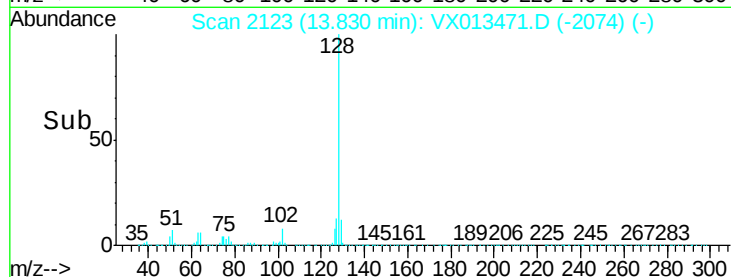
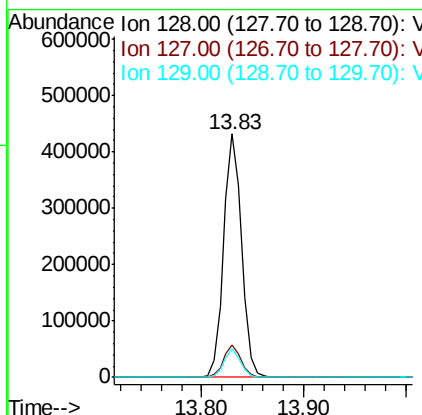
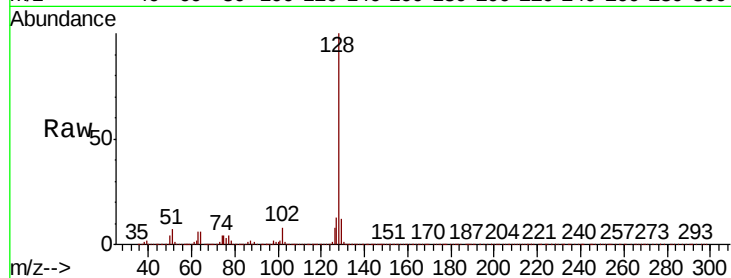
ClientSampleId :

VX1120WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		527407		
127	13.2	10.2	15.2		
129	11.0	8.5	12.7		

Manual Integrations
APPROVED

MMDadoda
11/21/2019 9:51:00 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.374 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX013471.D

Acq: 20 Nov 2019 11:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		172980		
182	94.9	48.0	144.2		
145	29.6	15.4	46.4		

