

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX110419\
 Data File : VX013319.D
 Acq On : 04 Nov 2019 11:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/5/2019 10:37:01 AM

Quant Time: Nov 05 00:39:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	757590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1136882	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1045022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	533951	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	428106	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
35) Dibromofluoromethane	5.48	113	349438	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
50) Toluene-d8	8.71	98	1330633	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	11.13	95	483479	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	423084	48.469	ug/l	98
3) Chloromethane	1.31	50	453970	47.958	ug/l	97
4) Vinyl Chloride	1.40	62	515762	47.859	ug/l	100
5) Bromomethane	1.62	94	319749	42.577	ug/l	99
6) Chloroethane	1.71	64	280148	45.366	ug/l	100
7) Trichlorofluoromethane	1.92	101	567797	44.596	ug/l	100
8) Diethyl Ether	2.17	74	265753	47.201	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	346465	48.823	ug/l	99
10) Methyl Iodide	2.50	142	418774	47.664	ug/l	98
11) Tert butyl alcohol	3.02	59	512727	216.743	ug/l	99
12) 1,1-Dichloroethene	2.36	96	340133	48.945	ug/l	99
13) Acrolein	2.28	56	290191	226.343	ug/l	98
14) Allyl chloride	2.72	41	643582	50.971	ug/l	97
15) Acrylonitrile	3.12	53	1110969	251.417	ug/l	99
16) Acetone	2.42	43	1104694	246.765	ug/l	98
17) Carbon Disulfide	2.56	76	930577	50.031	ug/l	100
18) Methyl Acetate	2.76	43	625111	50.579	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	1188763	51.289	ug/l	98
20) Methylene Chloride	2.84	84	390579	47.221	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	363376	48.025	ug/l	95
22) Diisopropyl ether	3.84	45	1259397	51.663	ug/l	99
23) Vinyl Acetate	3.80	43	5410393	259.376	ug/l	99
24) 1,1-Dichloroethane	3.68	63	669112	49.067	ug/l	99
25) 2-Butanone	4.65	43	1640570	249.805	ug/l	99
26) 2,2-Dichloropropane	4.56	77	553461	51.018	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	420630	49.626	ug/l	99
28) Bromochloromethane	5.00	49	207093	53.486	ug/l	100
29) Tetrahydrofuran	5.11	42	1025175	253.311	ug/l	100
30) Chloroform	5.19	83	660339	49.040	ug/l	99
31) Cyclohexane	5.56	56	602835	49.128	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	557986	48.151	ug/l	99
36) 1,1-Dichloropropene	5.78	75	495213	50.775	ug/l	99
37) Ethyl Acetate	4.81	43	608209	50.468	ug/l	99
38) Carbon Tetrachloride	5.77	117	486696	51.031	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	622086	51.190	ug/l	97
40) Benzene	6.13	78	1492548	49.128	ug/l	99
41) Methacrylonitrile	5.02	41	337398	49.949	ug/l	99
42) 1,2-Dichloroethane	6.17	62	546802	49.898	ug/l	99
43) Isopropyl Acetate	6.43	43	988422	52.670	ug/l	100
44) Trichloroethene	7.20	130	404326	48.349	ug/l	96
45) 1,2-Dichloropropane	7.50	63	396036	51.162	ug/l	100
46) Dibromomethane	7.65	93	265253	50.188	ug/l	99
47) Bromodichloromethane	7.89	83	522789	52.455	ug/l	97
48) Methyl methacrylate	7.76	41	490115	52.320	ug/l	98
49) 1,4-Dioxane	7.73	88	207749	968.387	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	3149529	255.803	ug/l	100
52) Toluene	8.78	92	941544	50.003	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	600299	55.083	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	655377	53.760	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	399264	51.157	ug/l	98
56) Ethyl methacrylate	9.17	69	657152	49.342	ug/l	99
57) 1,3-Dichloropropane	9.36	76	664178	50.132	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	1396256	261.646	ug/l	100
59) 2-Hexanone	9.48	43	2462784	258.840	ug/l	99
60) Dibromochloromethane	9.57	129	430824	53.974	ug/l	99
61) 1,2-Dibromoethane	9.67	107	422134	50.936	ug/l	99
64) Tetrachloroethene	9.33	164	359037	47.993	ug/l	96
65) Chlorobenzene	10.13	112	1031437	48.752	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	392769	50.561	ug/l	98
67) Ethyl Benzene	10.25	91	1826575	50.023	ug/l	99
68) m/p-Xylenes	10.36	106	1391157	100.739	ug/l	99
69) o-Xylene	10.69	106	672480	49.740	ug/l	100
70) Styrene	10.71	104	1172094	51.862	ug/l	99
71) Bromoform	10.85	173	342471	47.704	ug/l	98
73) Isopropylbenzene	11.01	105	1786268	50.457	ug/l	100
74) N-amyl acetate	10.89	43	879972	53.603	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	638190	49.414	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	531401m	48.999	ug/l	
77) Bromobenzene	11.25	156	473373	50.158	ug/l	97
78) n-propylbenzene	11.35	91	2059973	52.237	ug/l	100
79) 2-Chlorotoluene	11.42	91	1194838	50.288	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1523336	51.660	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	223186	52.970	ug/l	98
82) 4-Chlorotoluene	11.51	91	1394281	50.130	ug/l	99
83) tert-Butylbenzene	11.76	119	1549248	52.192	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1537638	51.981	ug/l	99
85) sec-Butylbenzene	11.94	105	1756954	51.500	ug/l	100
86) p-Isopropyltoluene	12.06	119	1651941	52.586	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	843638	50.149	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	843878	49.235	ug/l	99
89) n-Butylbenzene	12.38	91	1445835	52.746	ug/l	100
90) Hexachloroethane	12.59	117	296989	53.061	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	844669	50.230	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	142885	45.410	ug/l	97

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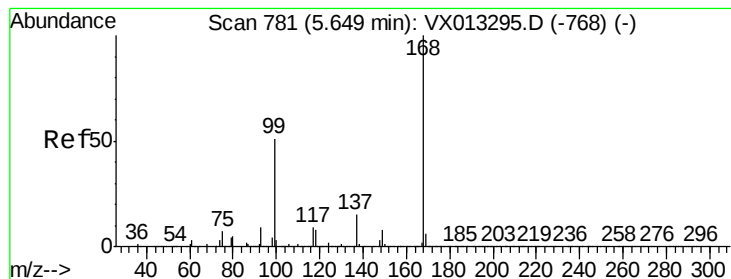
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	605664	51.634	ug/l	99
94) Hexachlorobutadiene	13.78	225	294197	51.266	ug/l	100
95) Naphthalene	13.83	128	1915501	52.048	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	605915	51.508	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 757590

Ion Ratio Lower Upper

168 100

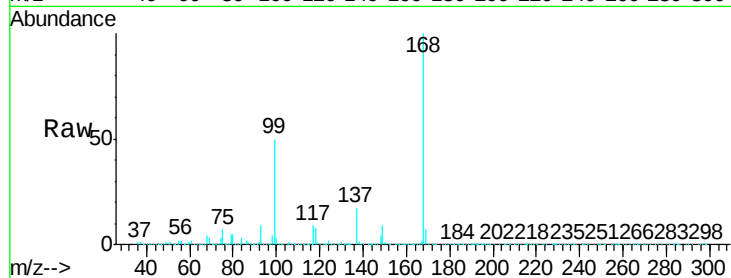
99 50.1 40.8 61.2

Manual Integrations

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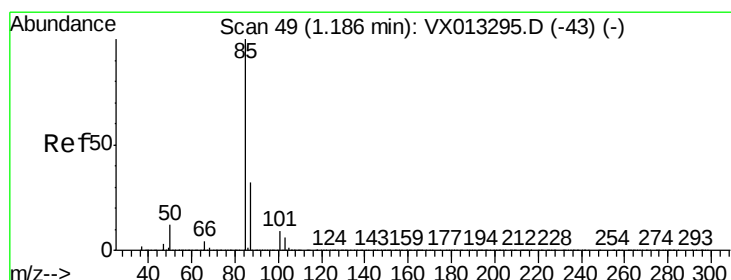
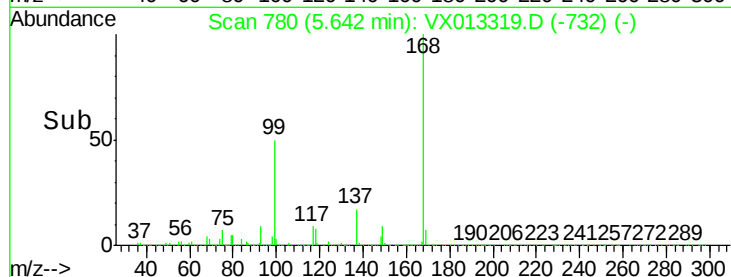
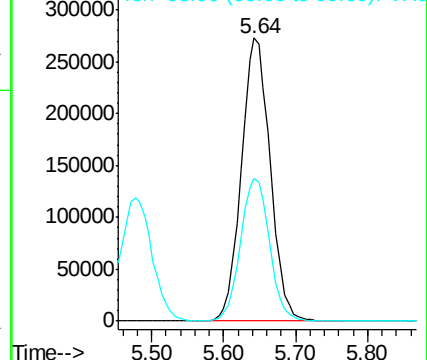
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 48.469 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013319.D

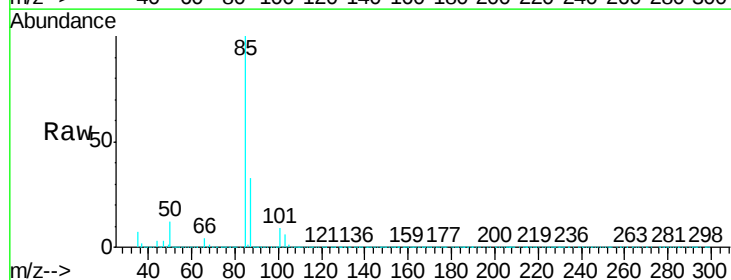
Acq: 04 Nov 2019 11:48

Tgt Ion: 85 Resp: 423084

Ion Ratio Lower Upper

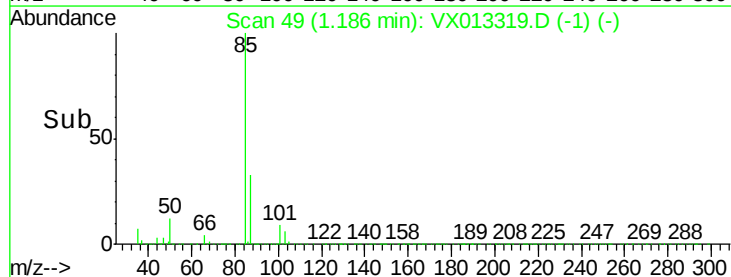
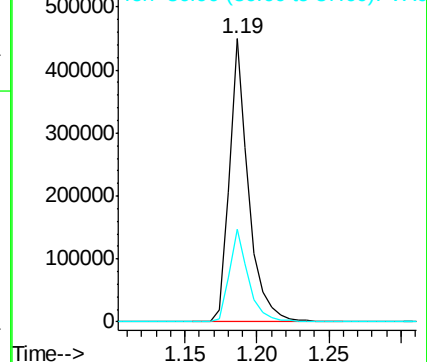
85 100

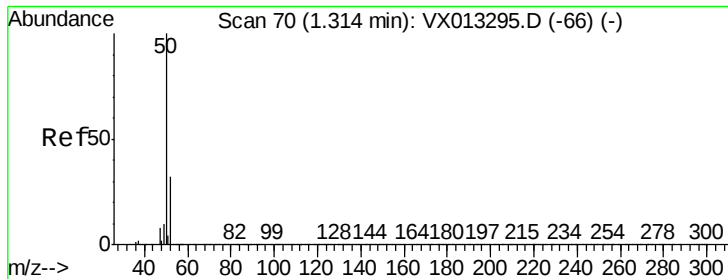
87 32.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.958 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 453970

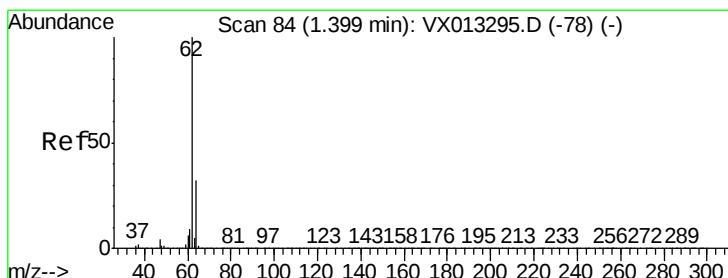
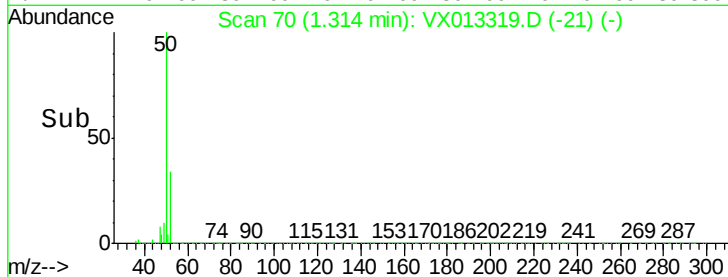
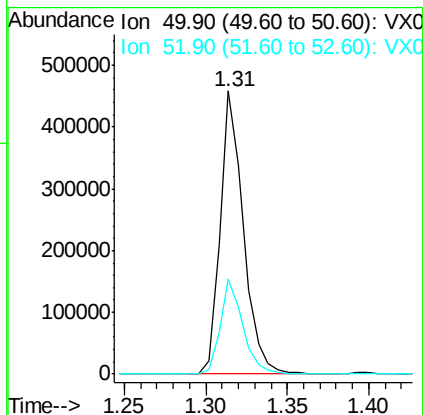
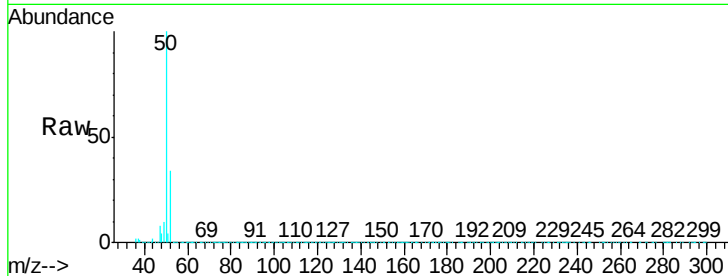
Ion Ratio Lower Upper

50 100

52 33.5 25.5 38.3

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#4

Vinyl Chloride

Concen: 47.859 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013319.D

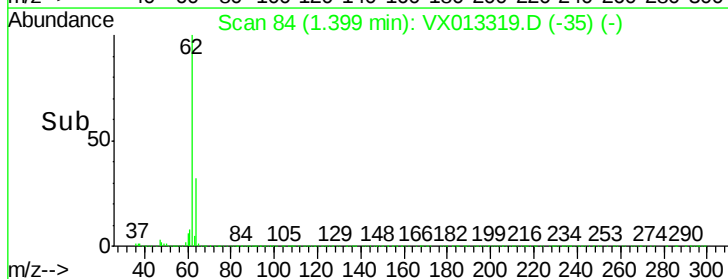
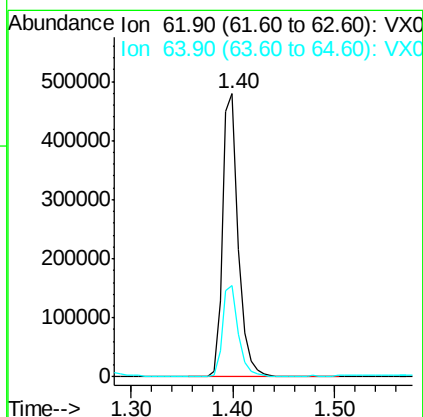
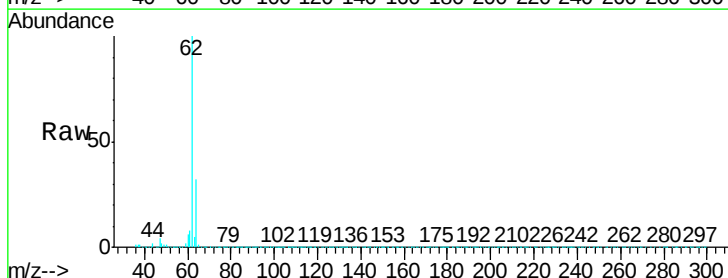
Acq: 04 Nov 2019 11:48

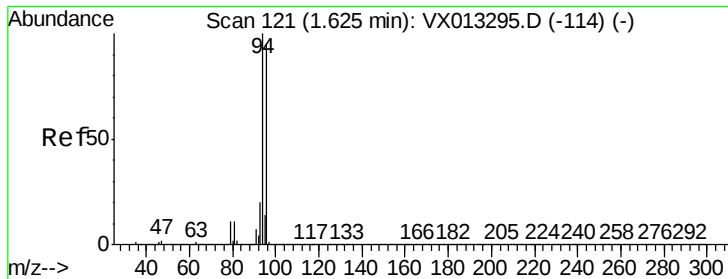
Tgt Ion: 62 Resp: 515762

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4





#5

Bromomethane

Concen: 42.577 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 319749

Ion Ratio Lower Upper

94 100

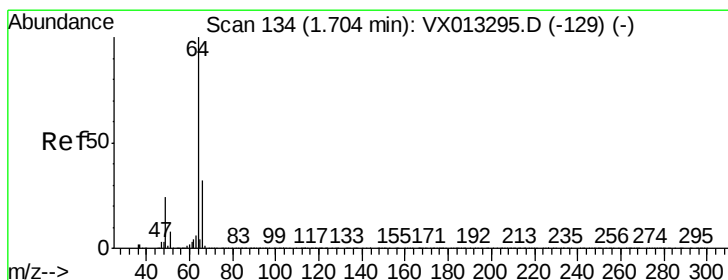
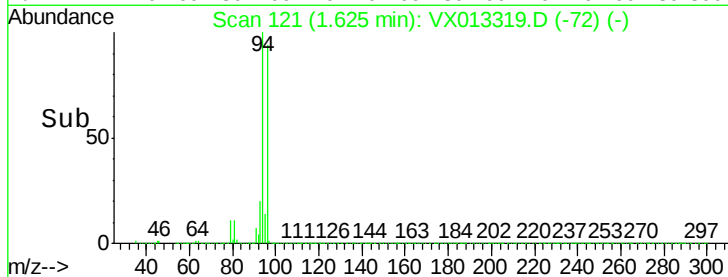
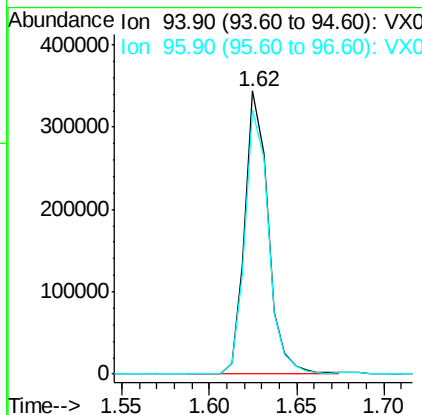
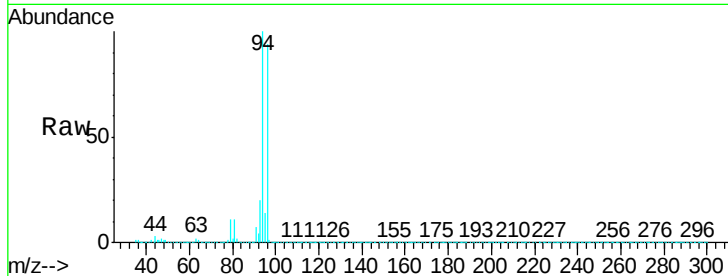
96 93.5 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 45.366 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013319.D

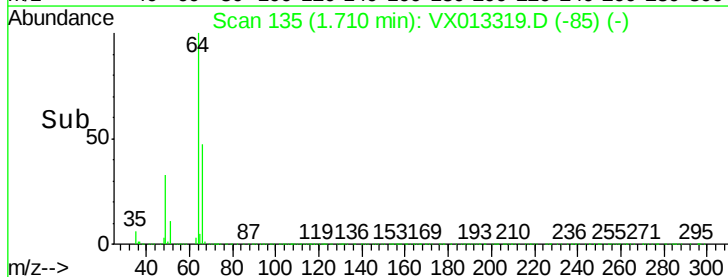
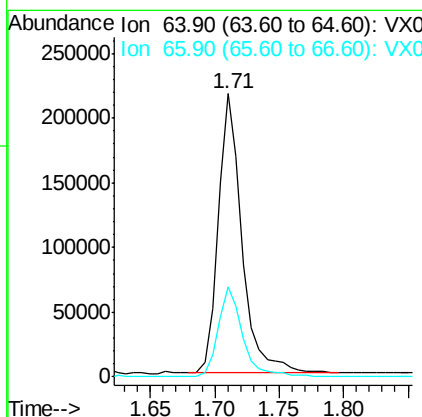
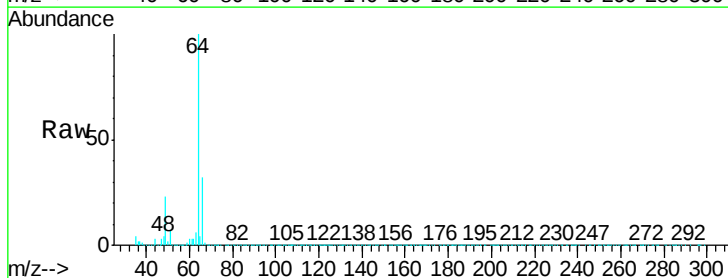
Acq: 04 Nov 2019 11:48

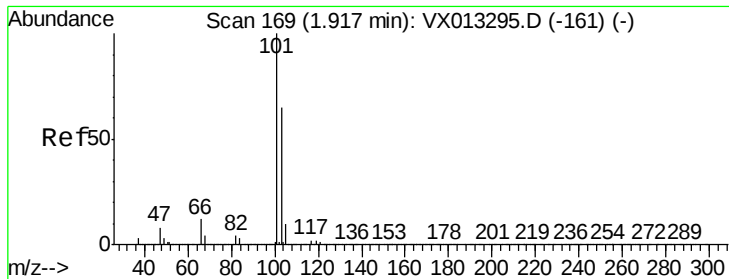
Tgt Ion: 64 Resp: 280148

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4





#7

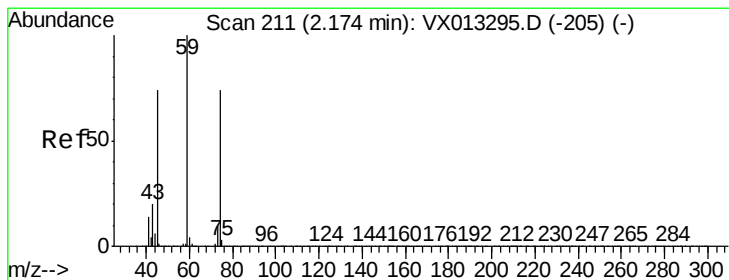
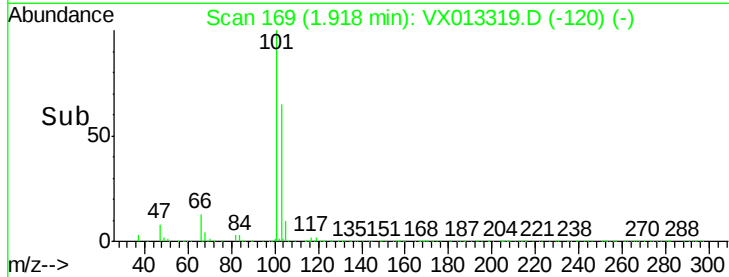
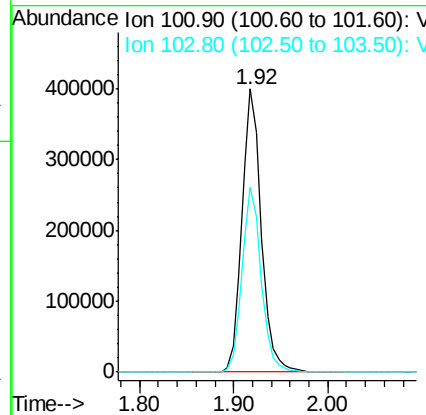
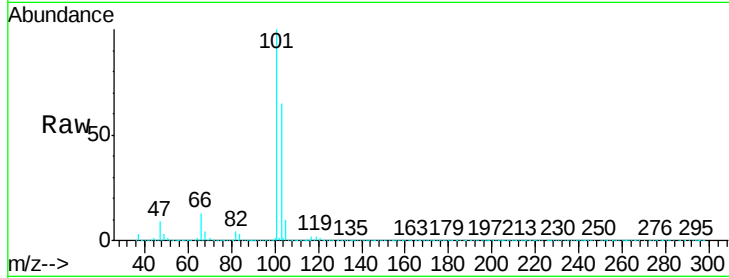
Trichlorofluoromethane
Concen: 44.596 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
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ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.3	78.5

Manual Integrations
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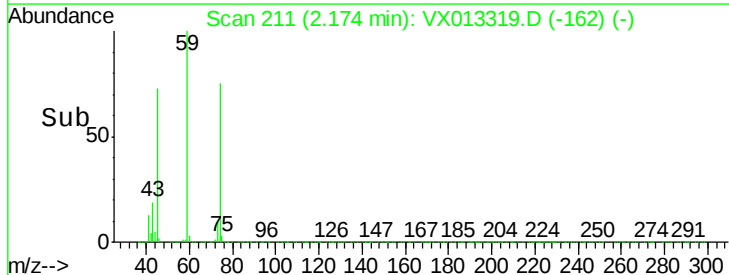
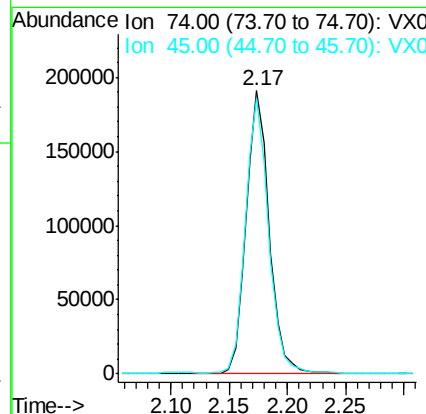
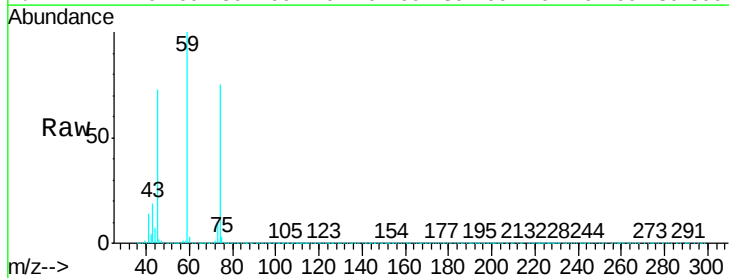
MMDadoda
11/5/2019 10:37:01 AM

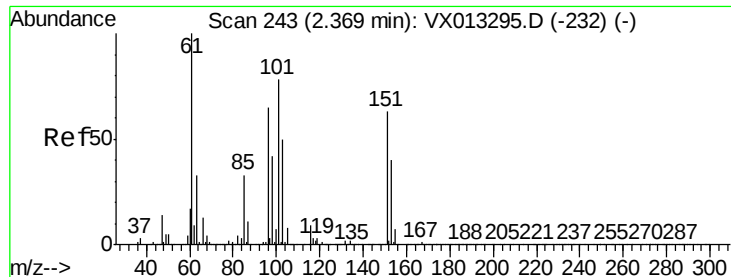


#8

Diethyl Ether
Concen: 47.201 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.5	145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.823 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

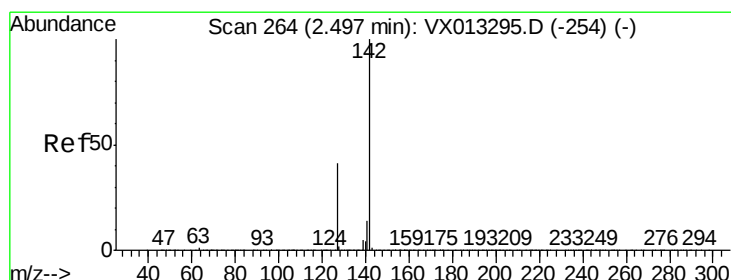
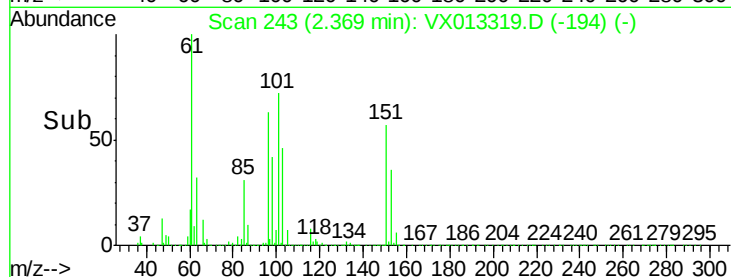
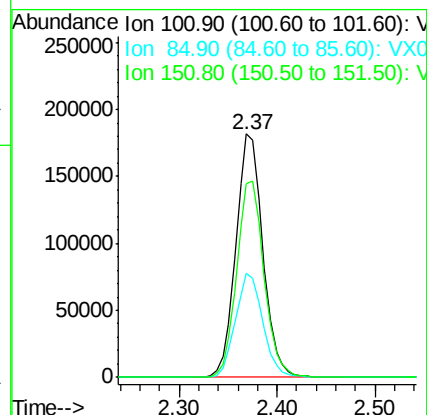
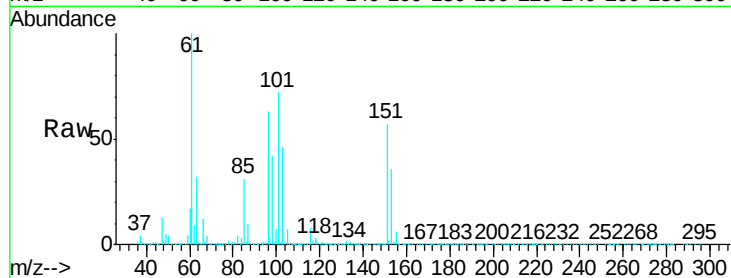
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	346465
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.4	51.6
151	82.0	66.4	99.6

Manual Integrations
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#10

Methyl Iodide

Concen: 47.664 ug/l

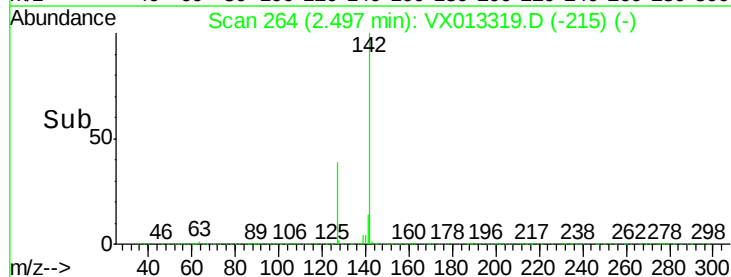
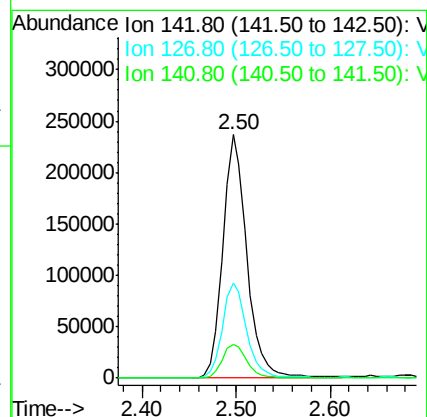
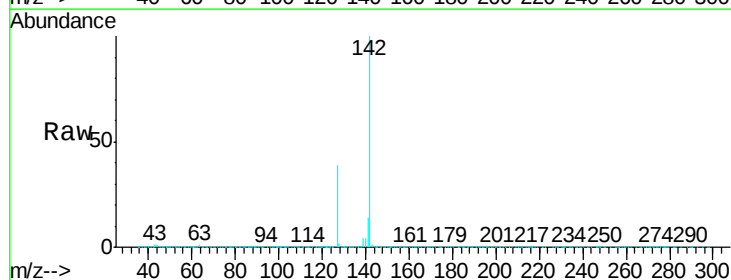
RT: 2.50 min Scan# 264

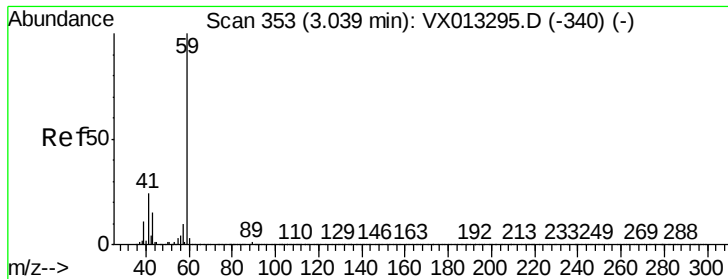
Delta R.T. 0.00 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Tgt Ion:	142	Resp:	418774
Ion Ratio	Lower	Upper	
142	100		
127	39.3	32.6	49.0
141	14.5	11.6	17.4





#11

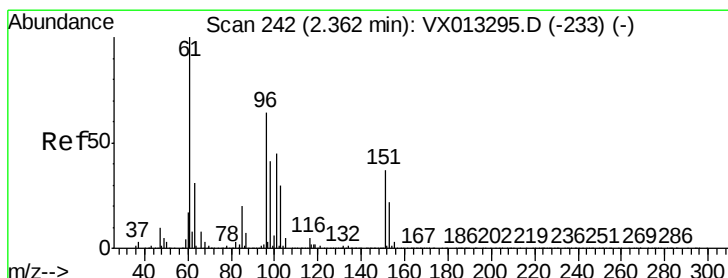
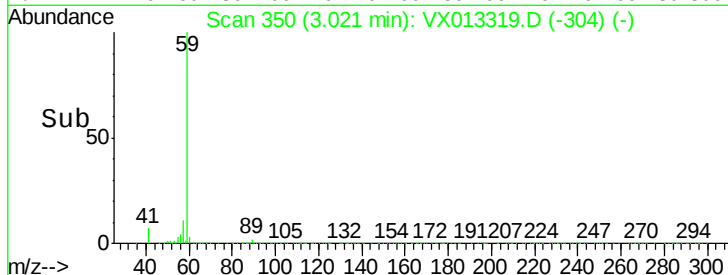
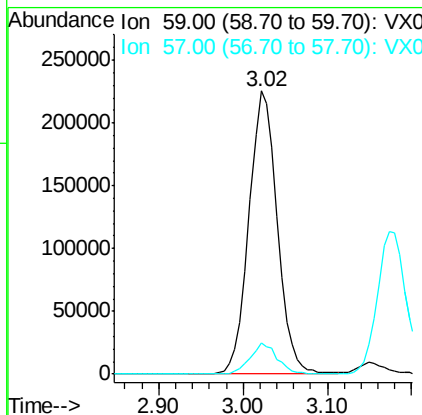
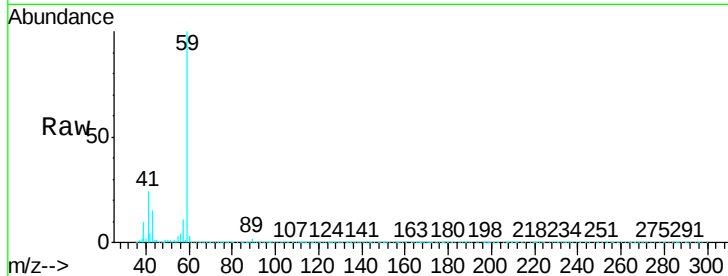
Tert butyl alcohol
Concen: 216.743 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.0	12.0

Manual Integrations
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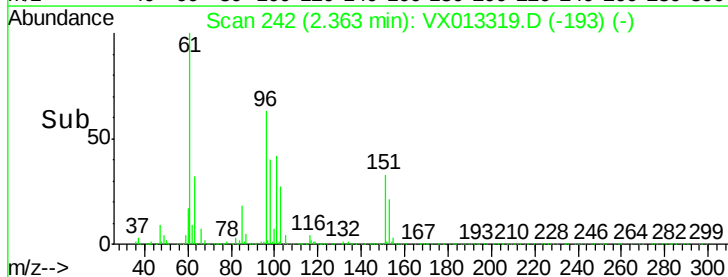
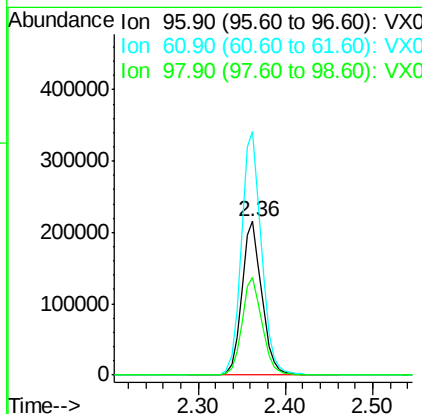
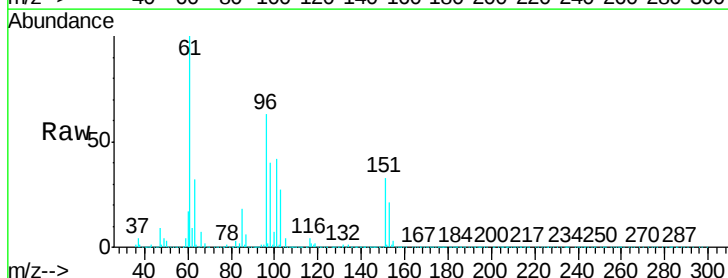
MMDadoda
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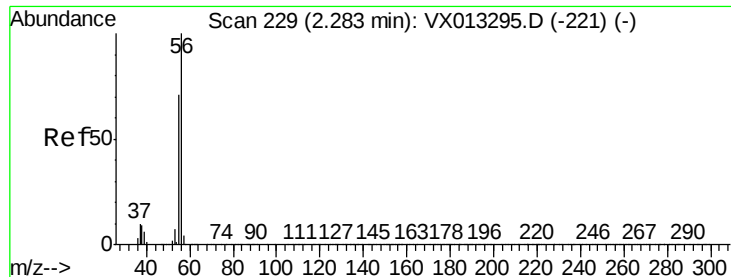


#12

1,1-Dichloroethene
Concen: 48.945 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.1	125.0	187.6
98	63.8	50.7	76.1





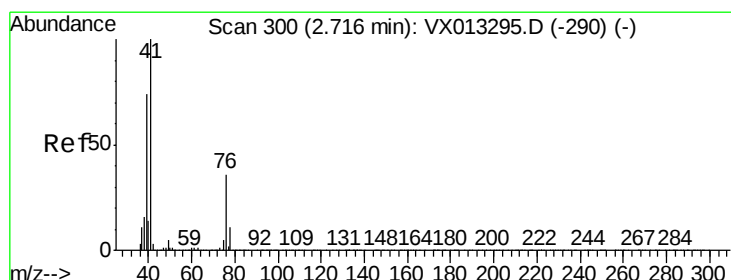
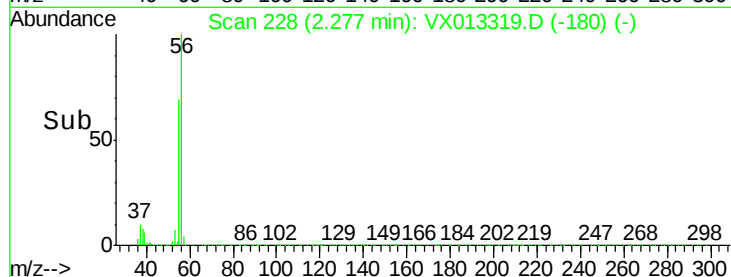
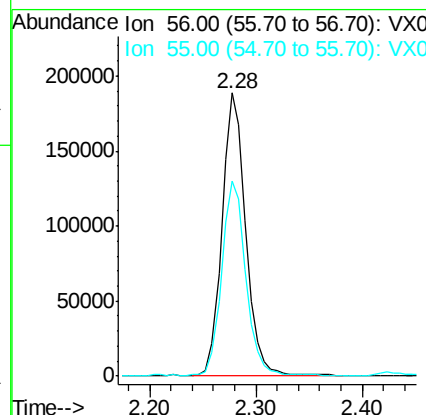
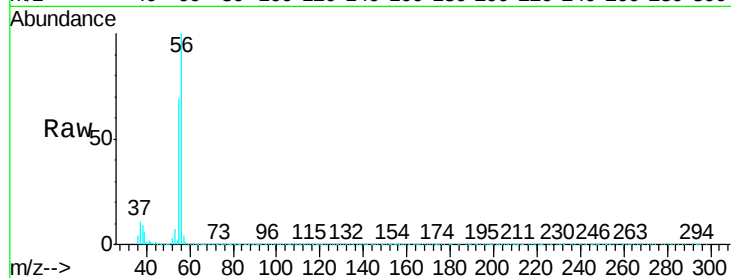
#13
Acrolein
Concen: 226.343 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.4	86.0

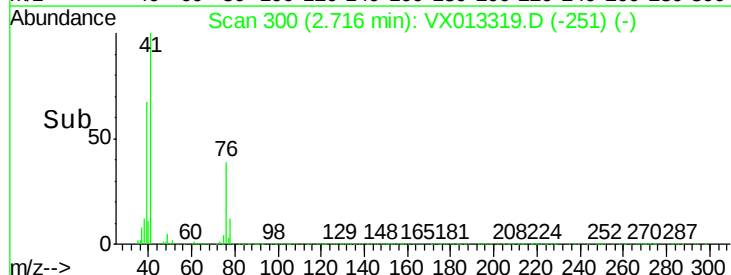
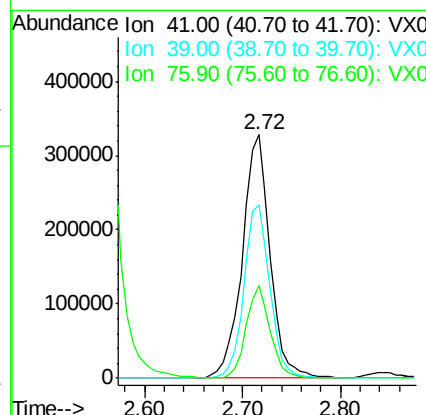
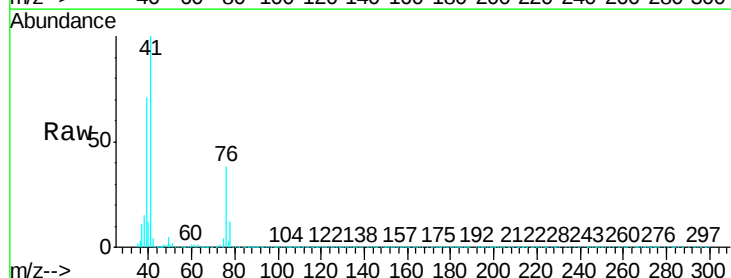
Manual Integrations
APPROVED

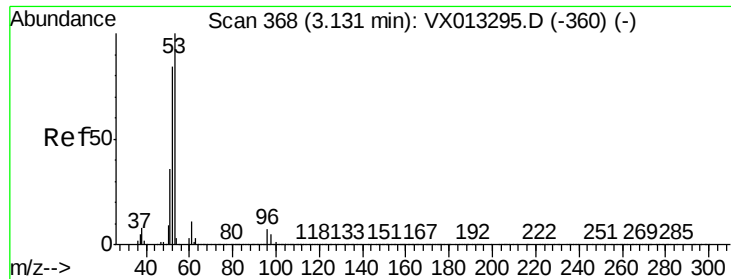
MMDadoda
11/5/2019 10:37:01 AM



#14
Allyl chloride
Concen: 50.971 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.1	55.8	83.8
76	32.4	26.4	39.6





#15

Acrylonitrile

Concen: 251.417 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 1110969

Ion Ratio Lower Upper

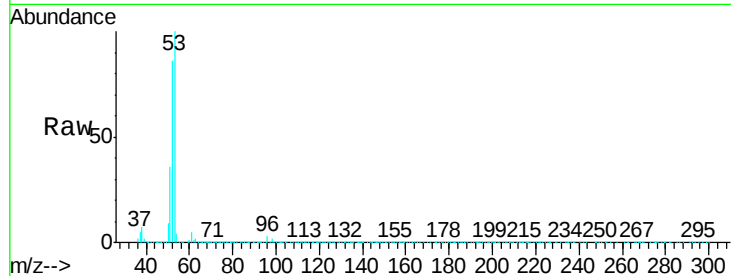
53 100

52 83.6 67.4 101.0

51 36.3 29.4 44.2

Manual Integrations
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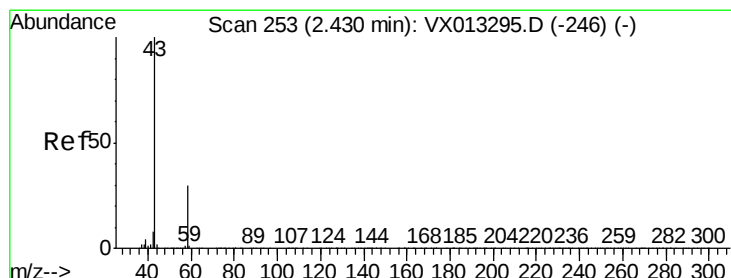
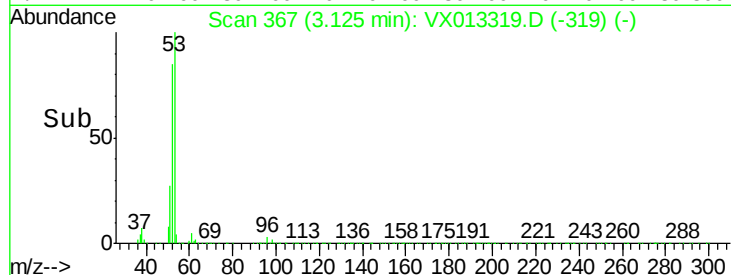
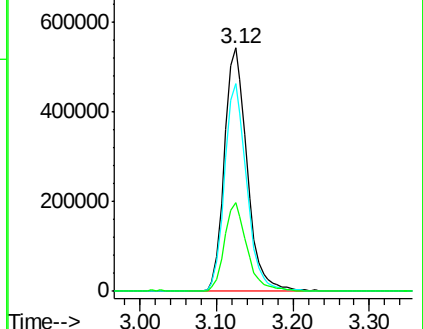
MMDadoda
11/5/2019 10:37:01 AM



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 246.765 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX013319.D

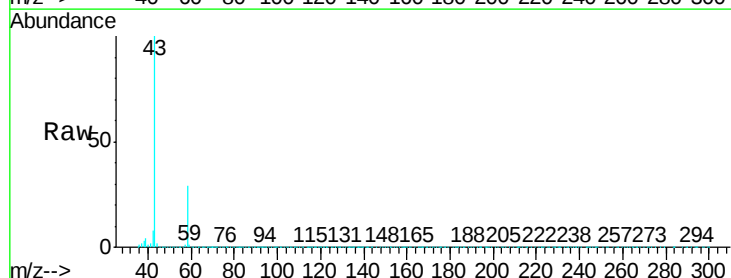
Acq: 04 Nov 2019 11:48

Tgt Ion: 43 Resp: 1104694

Ion Ratio Lower Upper

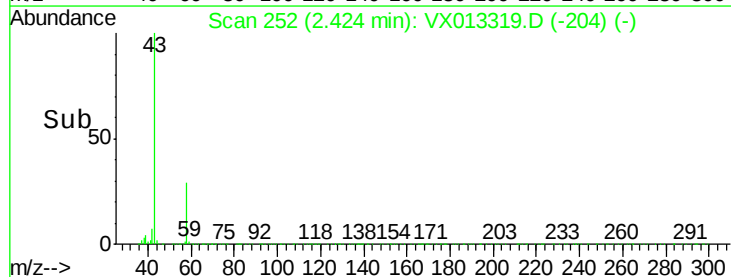
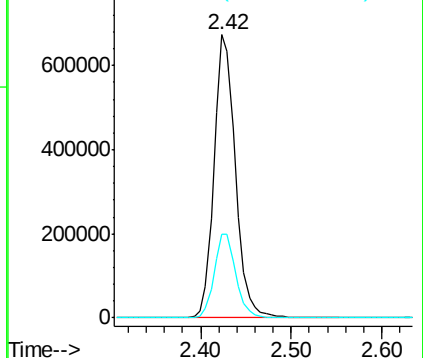
43 100

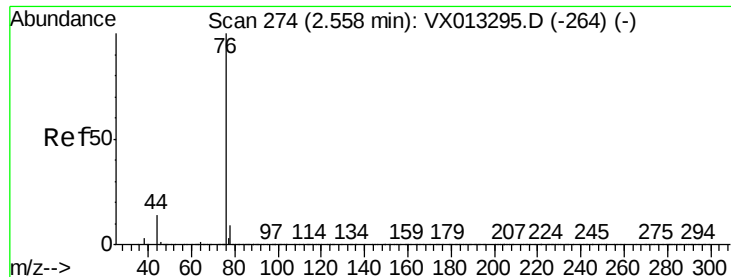
58 29.4 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 50.031 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 930577

Ion Ratio Lower Upper

76 100

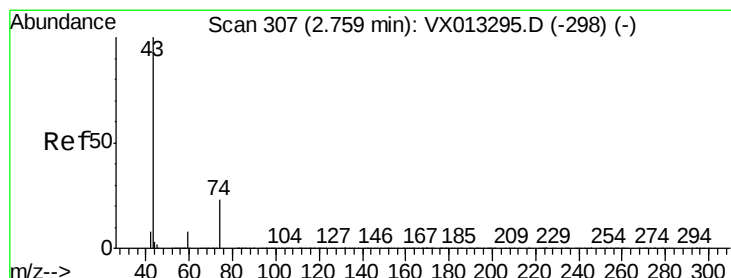
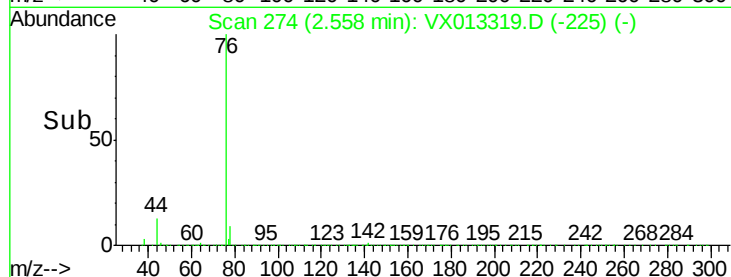
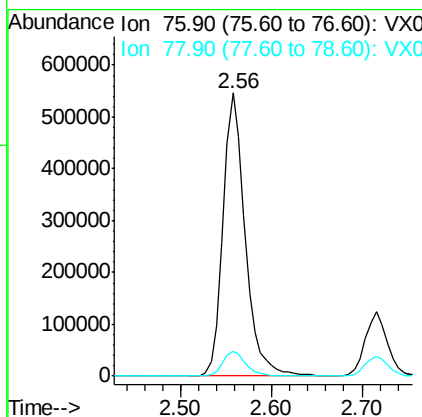
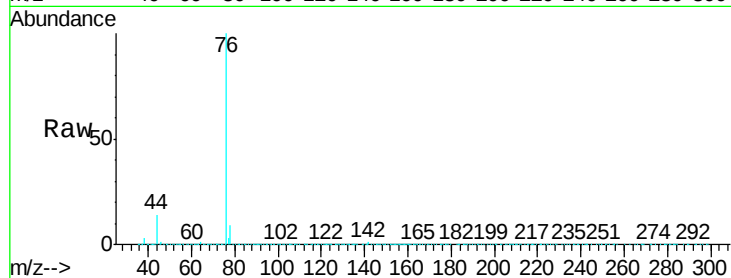
78 8.8 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 50.579 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013319.D

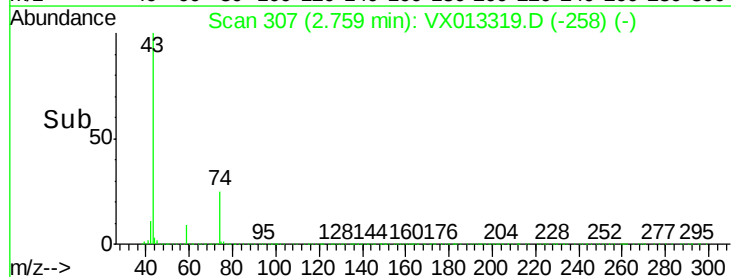
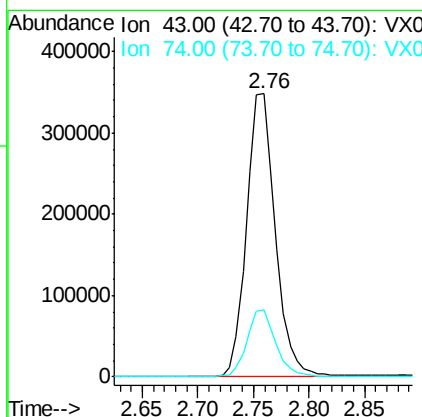
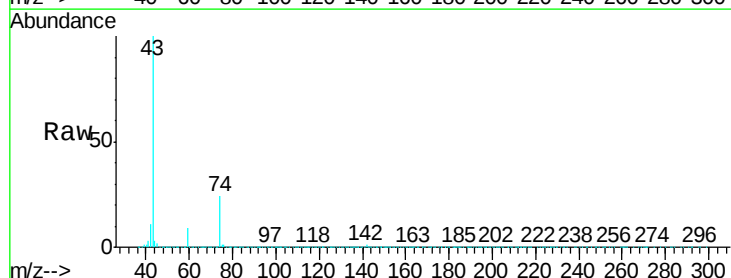
Acq: 04 Nov 2019 11:48

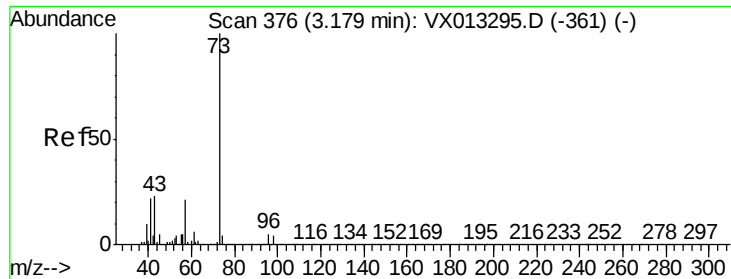
Tgt Ion: 43 Resp: 625111

Ion Ratio Lower Upper

43 100

74 23.7 19.0 28.6





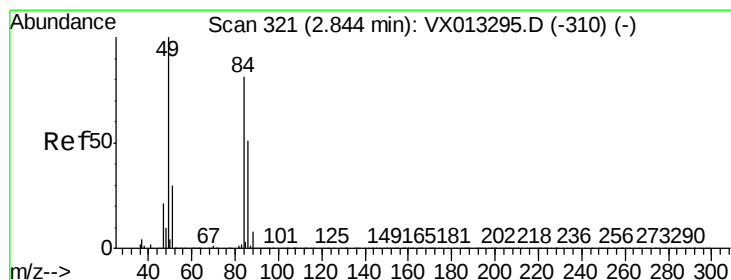
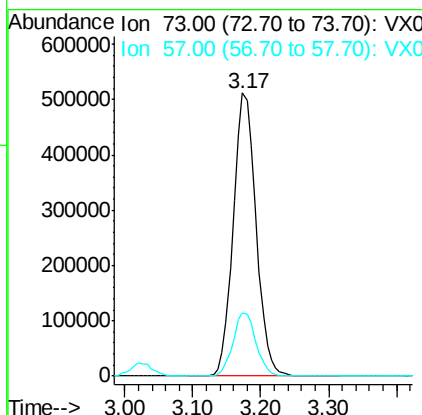
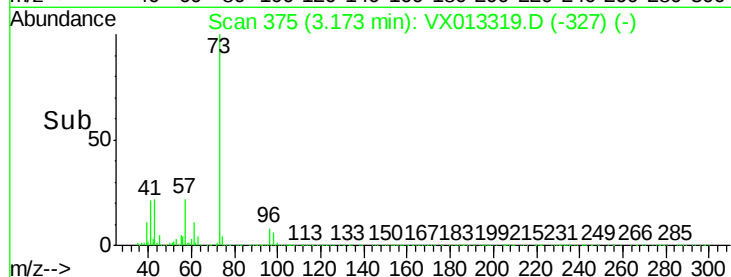
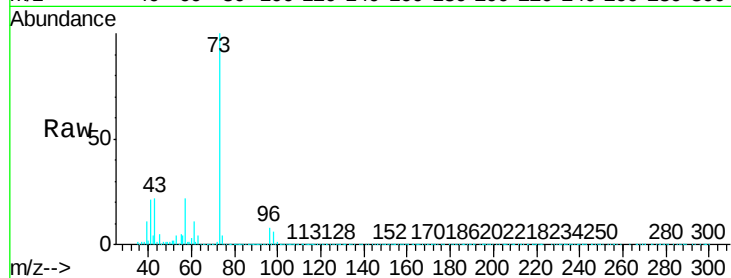
#19
Methyl tert-butyl Ether
Concen: 51.289 ug/l
RT: 3.17 min Scan# 375
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1188763
Ion Ratio Lower Upper
73 100
57 22.2 17.1 25.7

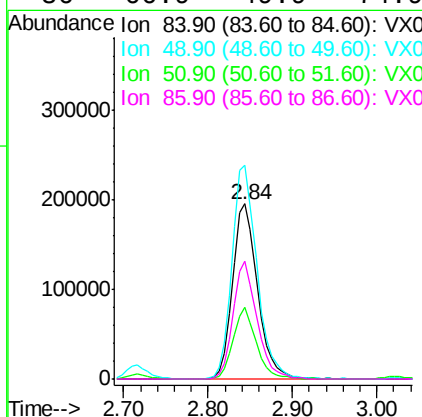
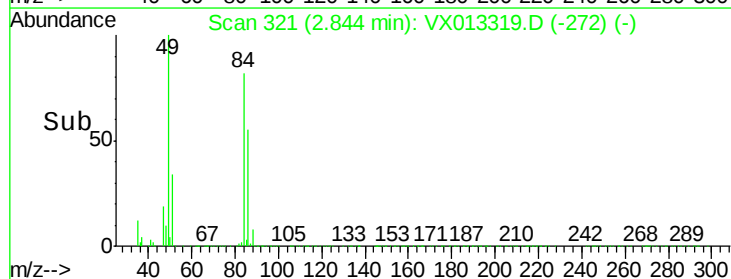
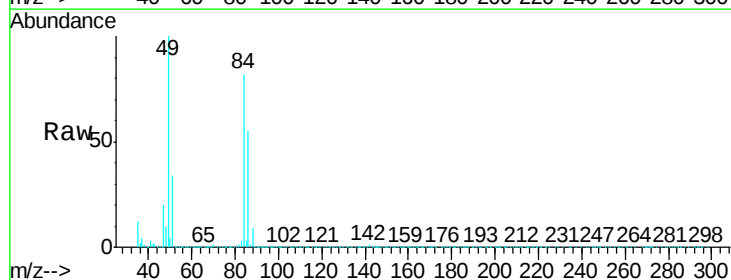
Manual Integrations
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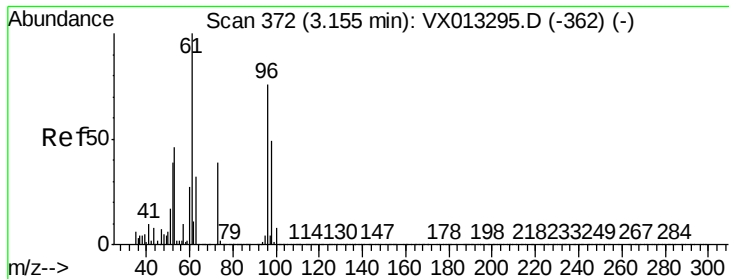
MMDadoda
11/5/2019 10:37:01 AM



#20
Methylene Chloride
Concen: 47.221 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion: 84 Resp: 390579
Ion Ratio Lower Upper
84 100
49 122.0 98.2 147.4
51 41.0 29.9 44.9
86 66.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 48.025 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

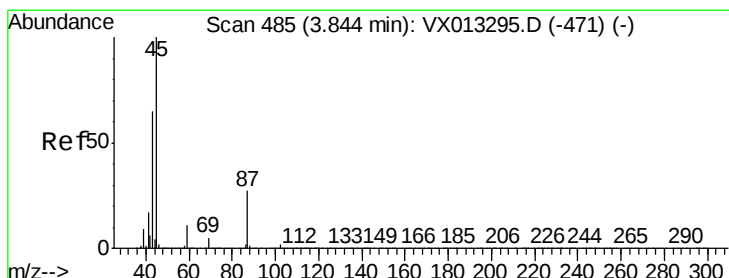
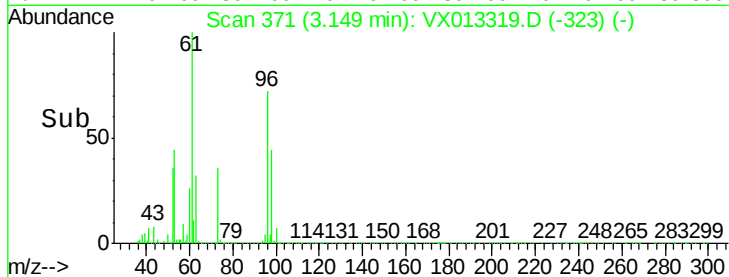
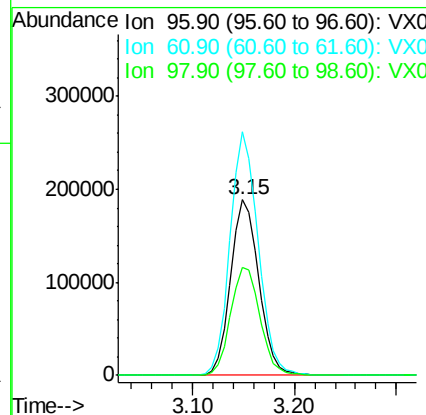
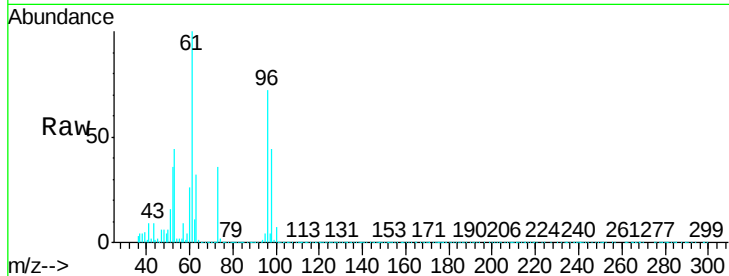
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	363376
Ion Ratio	Lower	Upper	
96	100		
61	138.8	105.8	158.6
98	61.5	51.8	77.6

Manual Integrations
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MMDadoda
11/5/2019 10:37:01 AM



#22

Diisopropyl ether

Concen: 51.663 ug/l

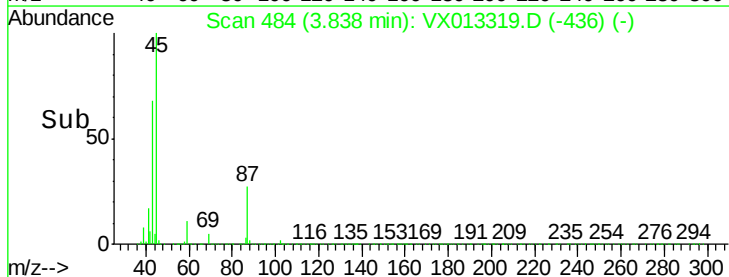
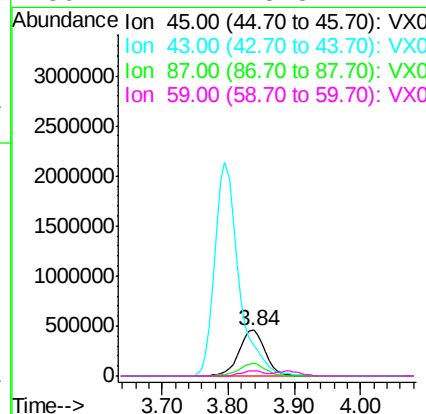
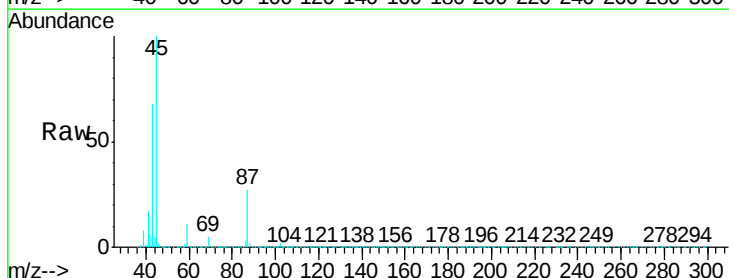
RT: 3.84 min Scan# 484

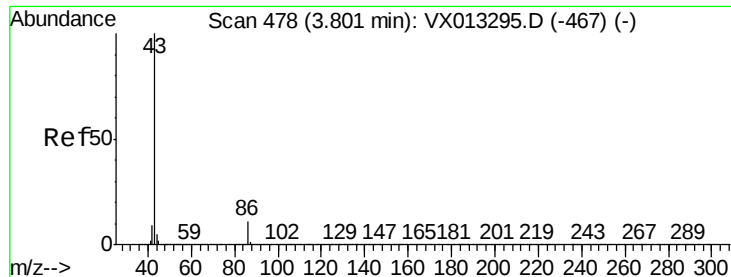
Delta R.T. -0.01 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Tgt Ion:	45	Resp:	1259397
Ion Ratio	Lower	Upper	
45	100		
43	67.1	54.2	81.2
87	27.3	21.8	32.8
59	11.2	8.5	12.7





#23

Vinyl Acetate

Concen: 259.376 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 5410393

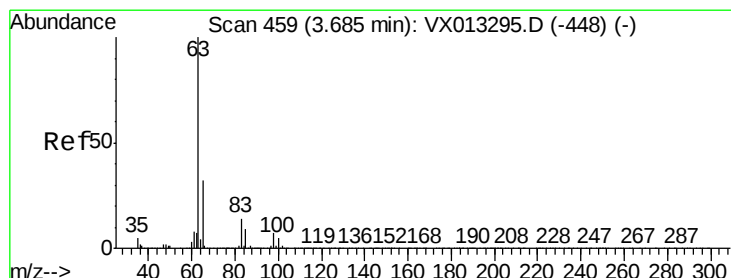
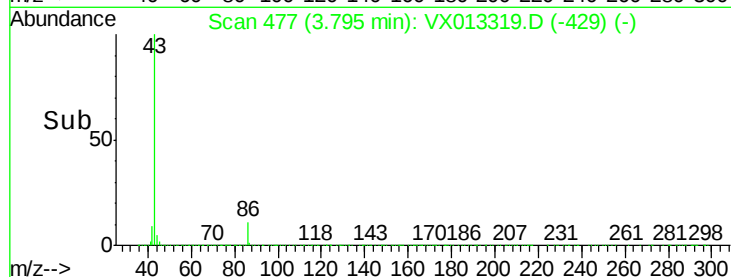
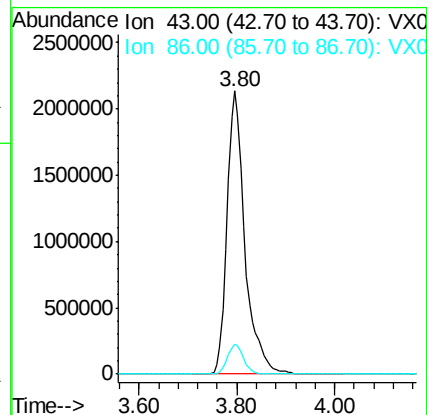
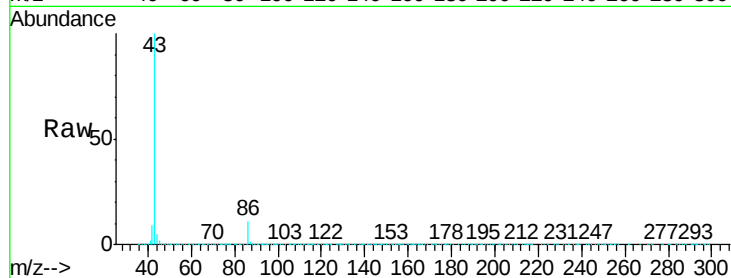
Ion Ratio Lower Upper

43 100

86 10.5 8.6 13.0

Manual Integrations
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MMDadoda
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#24

1,1-Dichloroethane

Concen: 49.067 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

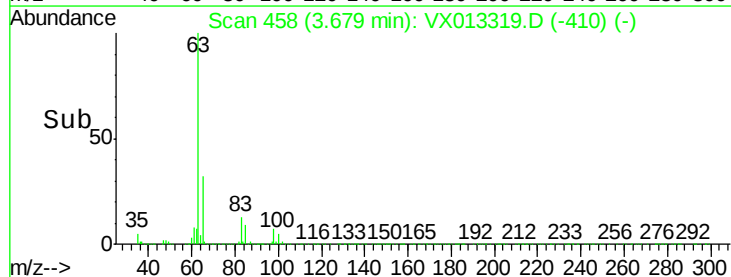
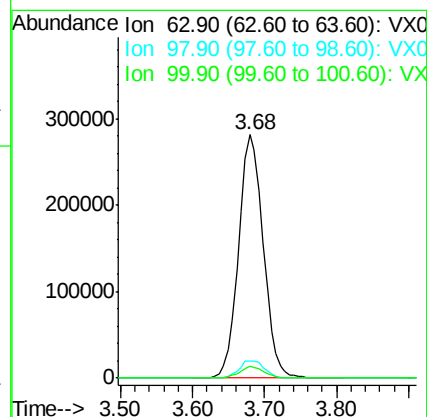
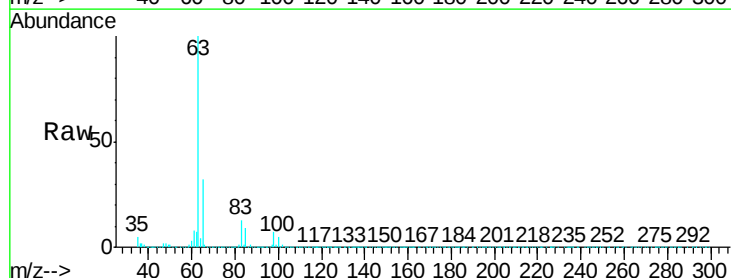
Tgt Ion: 63 Resp: 669112

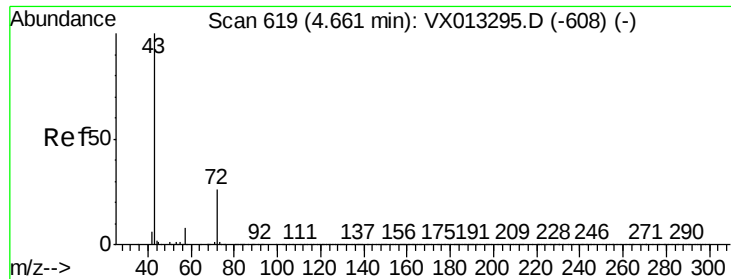
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 5.0 2.4 7.2





#25

2-Butanone

Concen: 249.805 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1640570

Ion Ratio Lower Upper

43 100

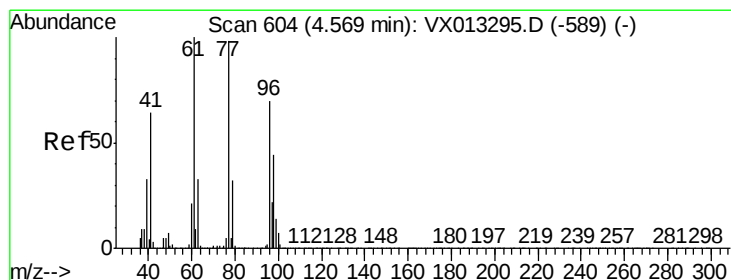
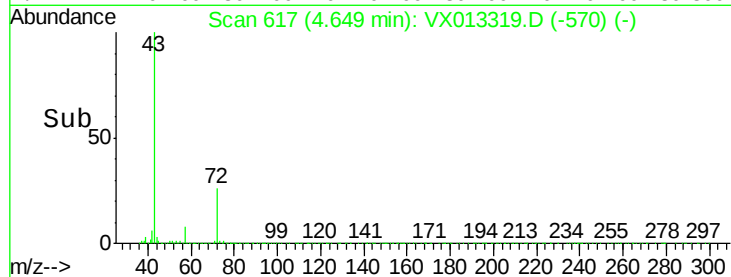
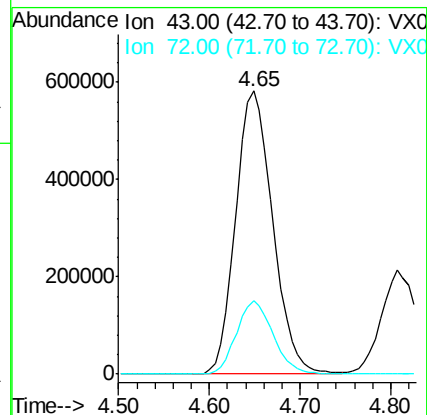
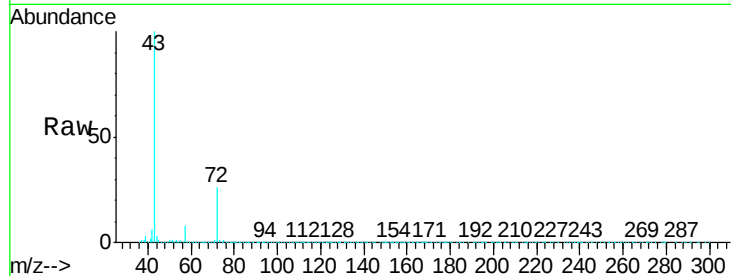
72 25.7 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.018 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX013319.D

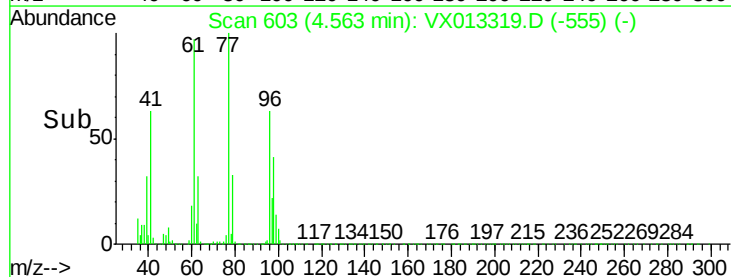
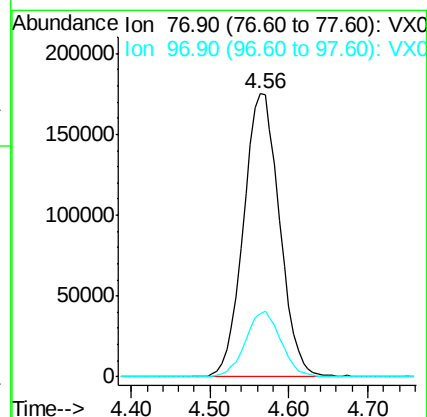
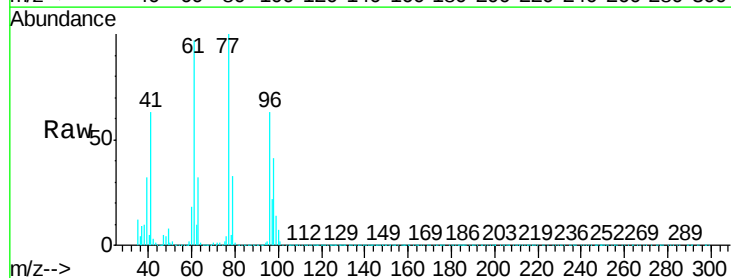
Acq: 04 Nov 2019 11:48

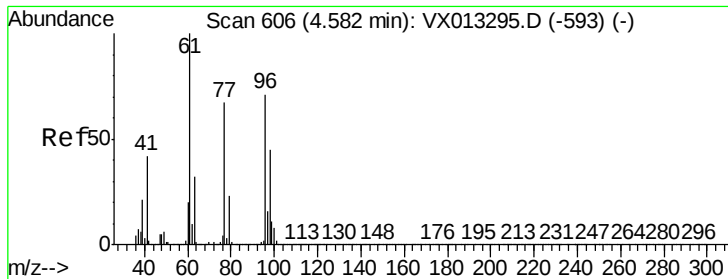
Tgt Ion: 77 Resp: 553461

Ion Ratio Lower Upper

77 100

97 22.8 11.3 33.8





#27

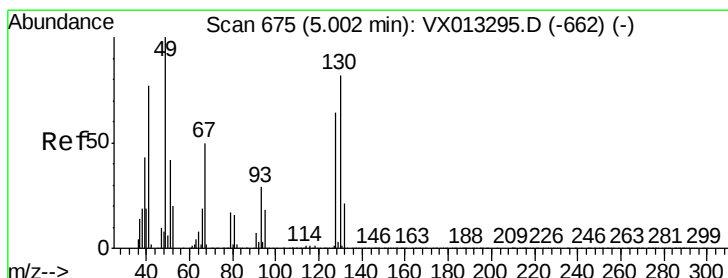
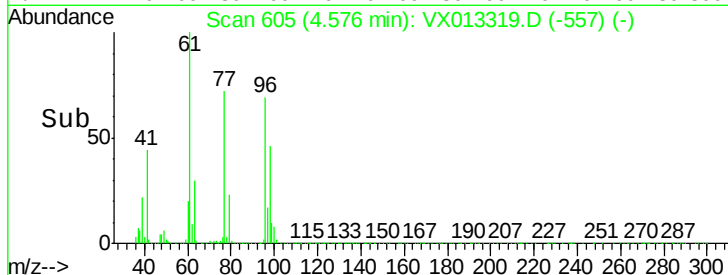
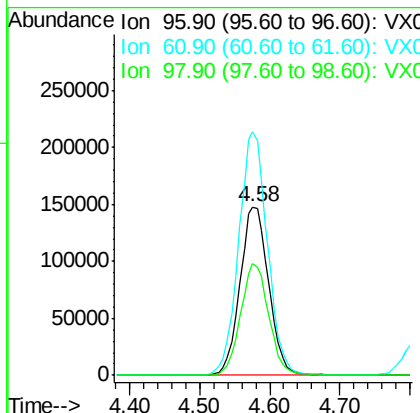
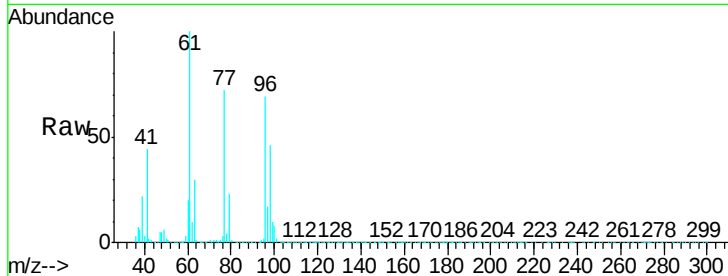
cis-1,2-Dichloroethene
Concen: 49.626 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	420630		
61	144.8	0.0	288.0	
98	65.1	0.0	129.6	

Manual Integrations
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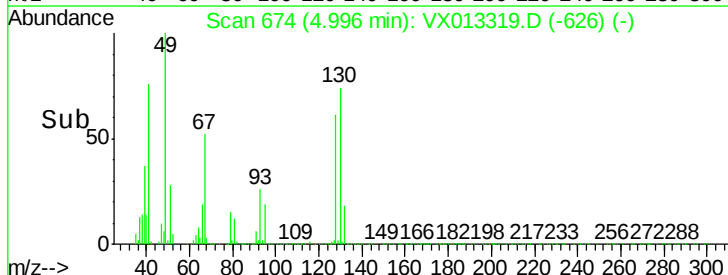
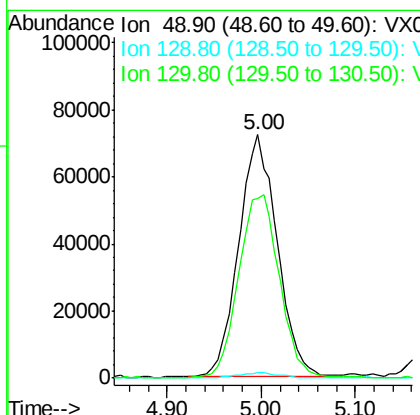
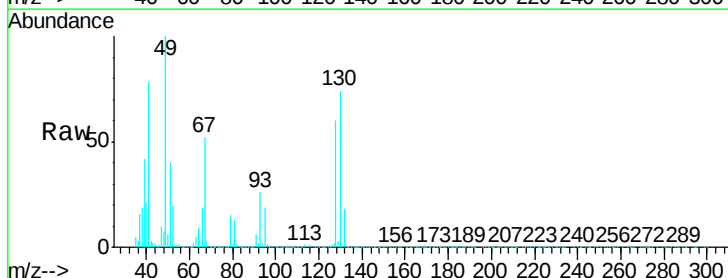
MMDadoda
11/5/2019 10:37:01 AM

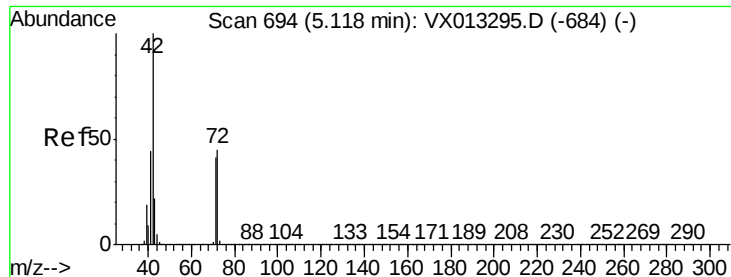


#28

Bromochloromethane
Concen: 53.486 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	207093		
129	2.4	0.0	5.2	
130	79.7	63.8	95.6	





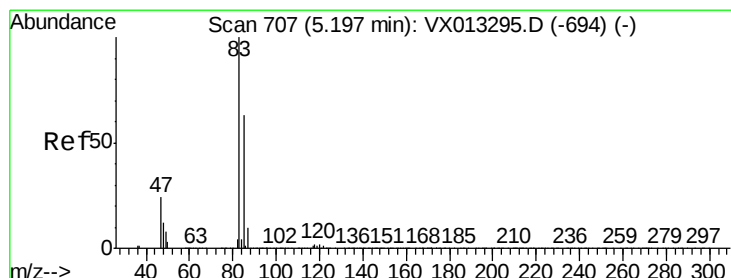
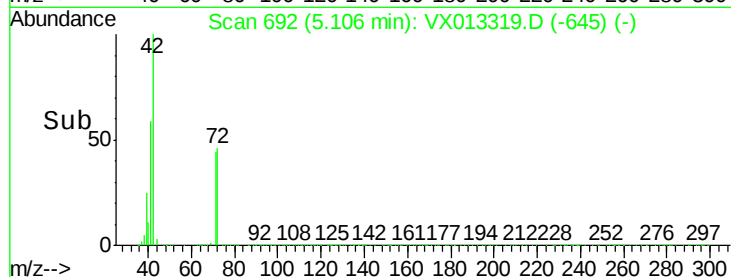
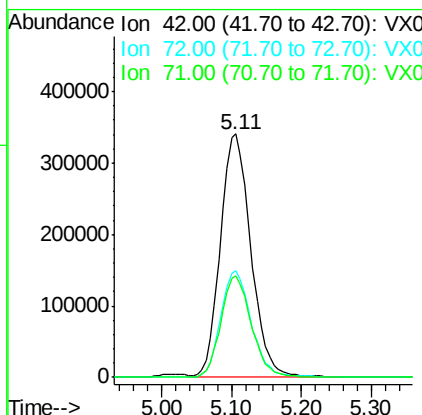
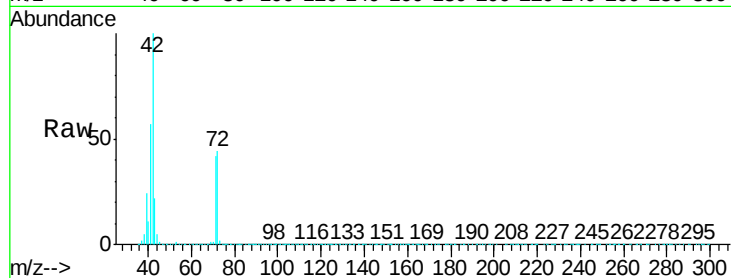
#29
Tetrahydrofuran
Concen: 253.311 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 1025175
Ion Ratio Lower Upper
42 100
72 44.5 35.8 53.8
71 41.6 33.4 50.0

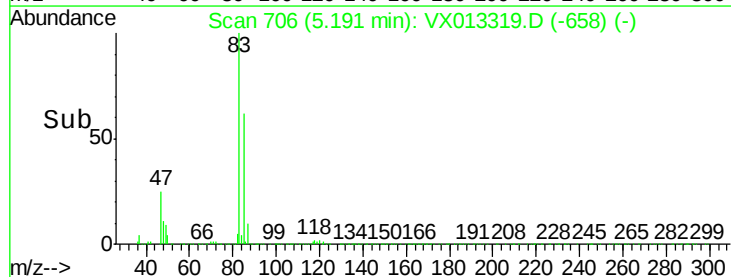
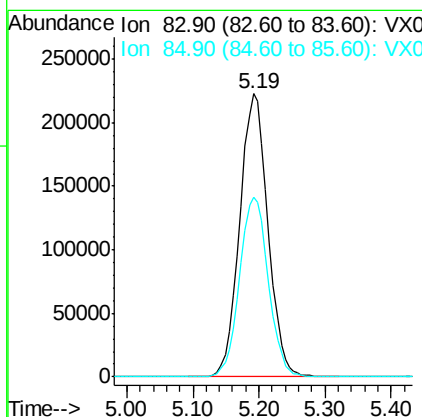
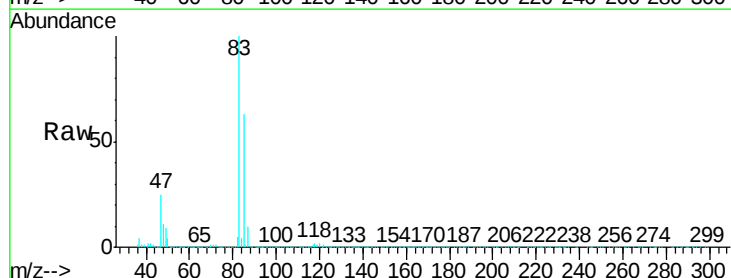
Manual Integrations
APPROVED

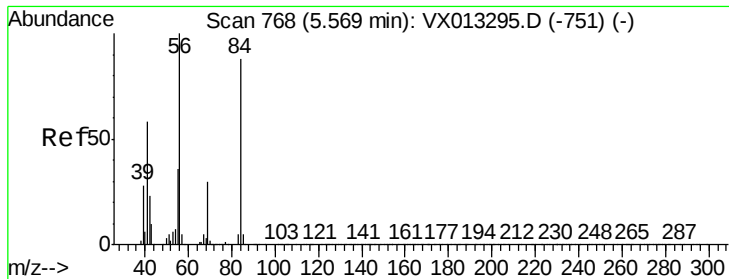
MMDadoda
11/5/2019 10:37:01 AM



#30
Chloroform
Concen: 49.040 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion: 83 Resp: 660339
Ion Ratio Lower Upper
83 100
85 63.4 50.2 75.4





#31

Cyclohexane

Concen: 49.128 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

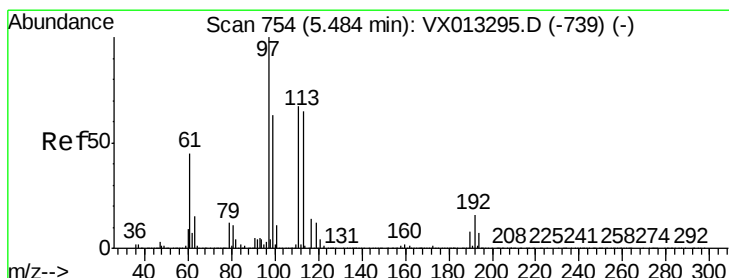
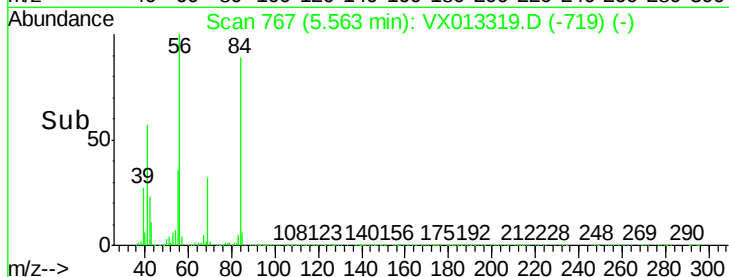
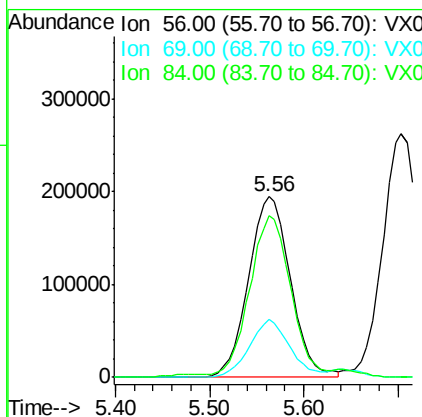
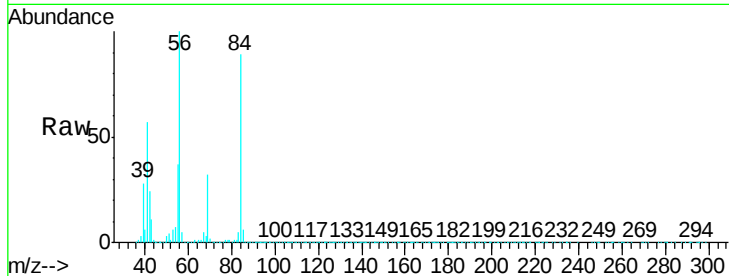
ClientSampleId :

VSTDCCC050

Tgt Ion:	56	Resp:	602835
Ion Ratio		Lower	Upper
56	100		
69	32.0	23.7	35.5
84	88.0	70.6	105.8

Manual Integrations
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11/5/2019 10:37:01 AM



#32

1,1,1-Trichloroethane

Concen: 48.151 ug/l

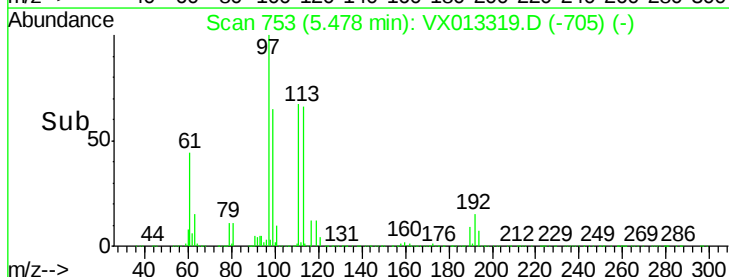
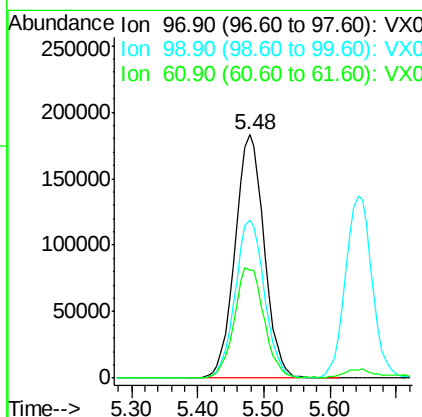
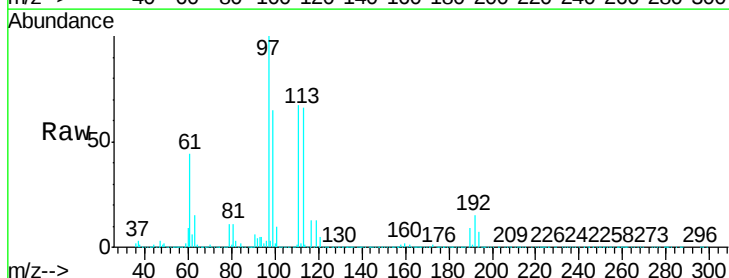
RT: 5.48 min Scan# 753

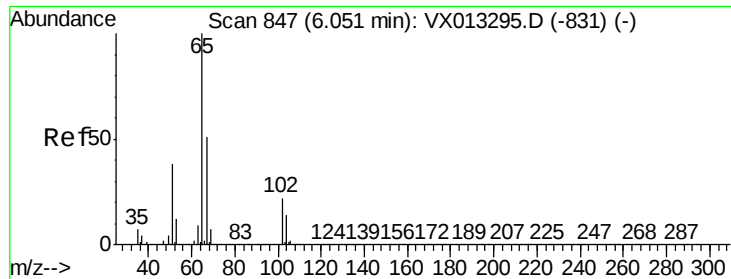
Delta R.T. -0.01 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Tgt Ion:	97	Resp:	557986
Ion Ratio		Lower	Upper
97	100		
99	65.1	51.1	76.7
61	46.0	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 47.699 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 428106

Ion Ratio Lower Upper

65 100

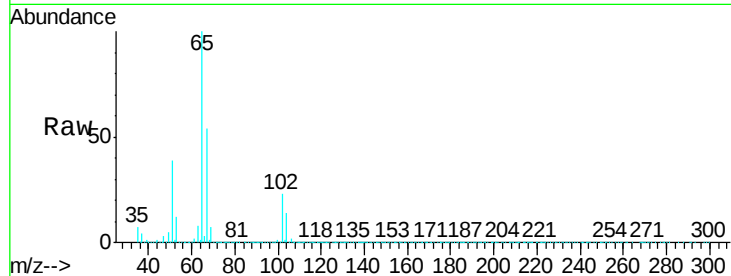
67 53.3 0.0 104.2

Manual Integrations

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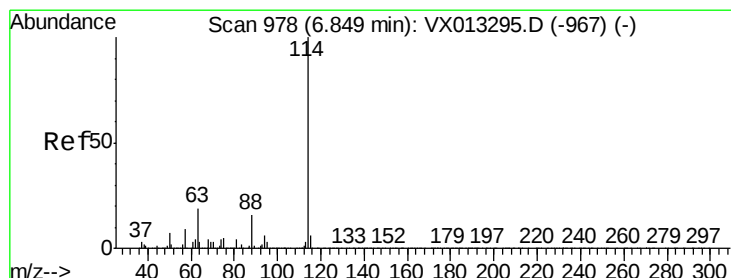
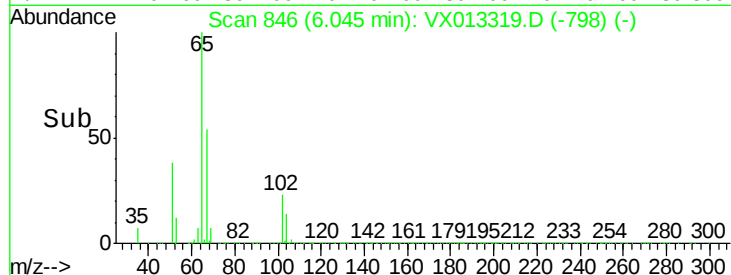
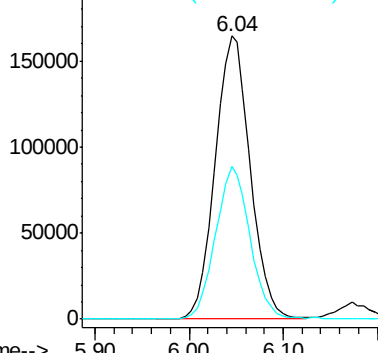
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

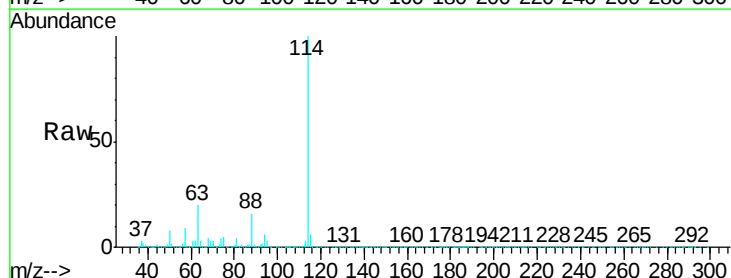
Tgt Ion: 114 Resp: 1136882

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

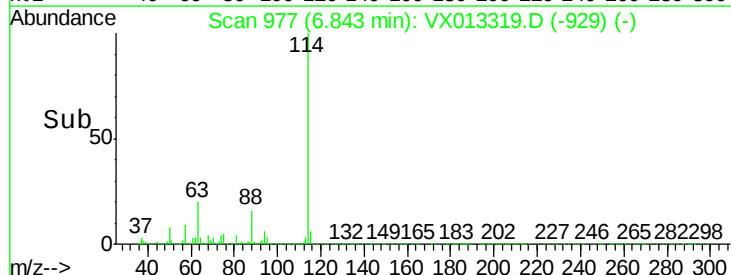
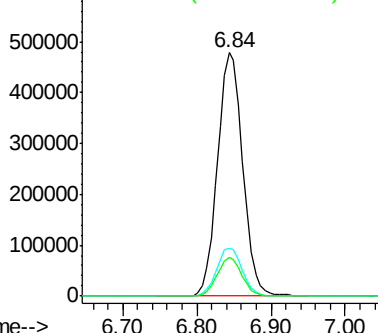
88 16.0 0.0 32.2

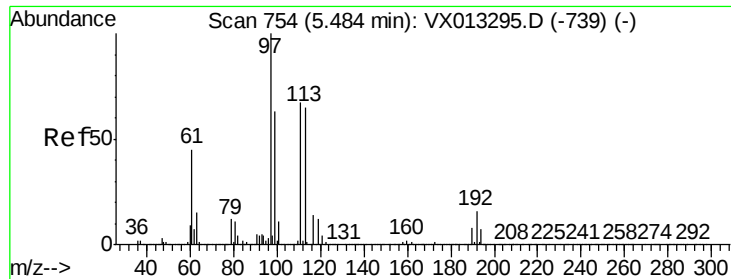


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





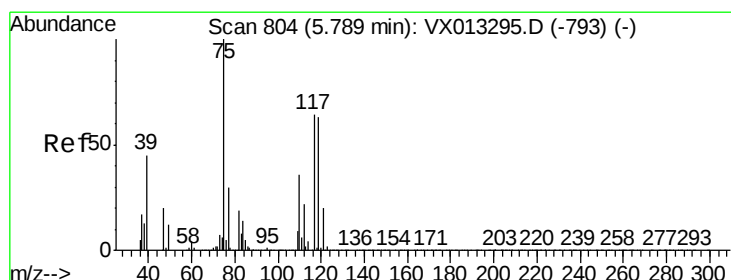
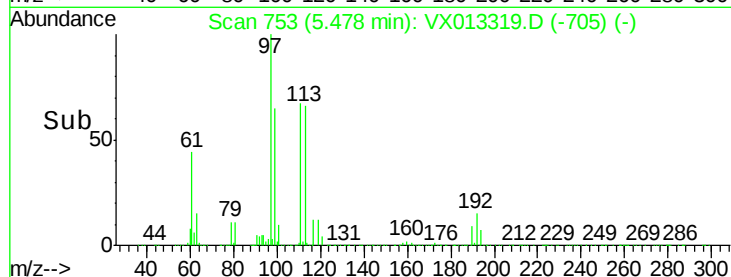
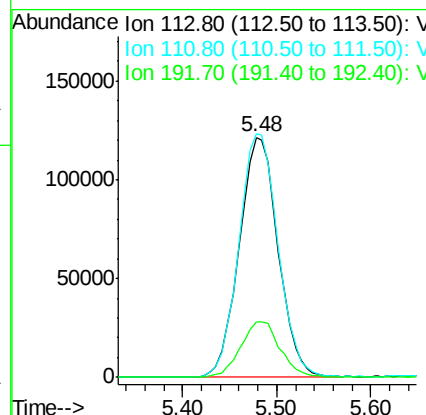
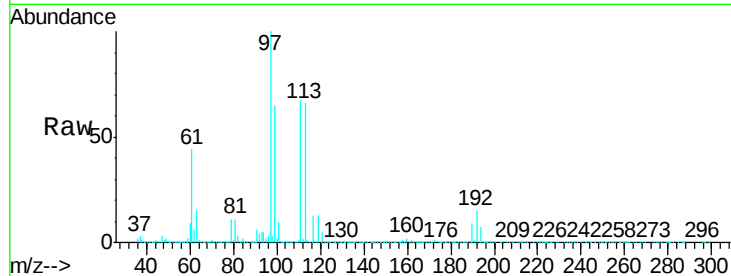
#35
Dibromofluoromethane
Concen: 49.005 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	349438		
111	102.3	81.9	122.9	
192	23.4	19.1	28.7	

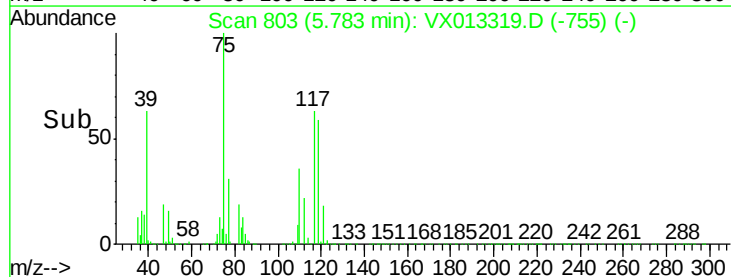
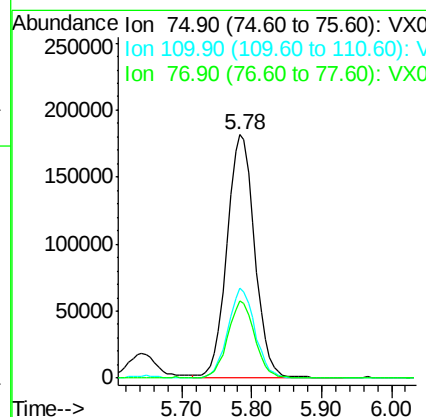
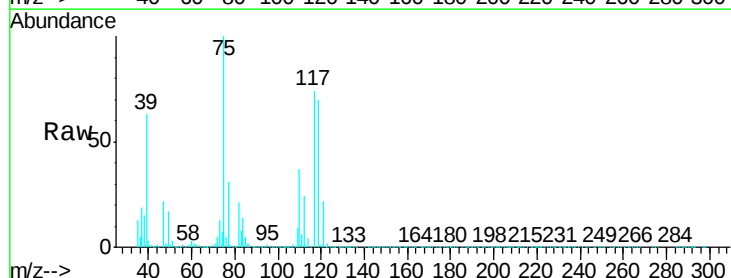
Manual Integrations
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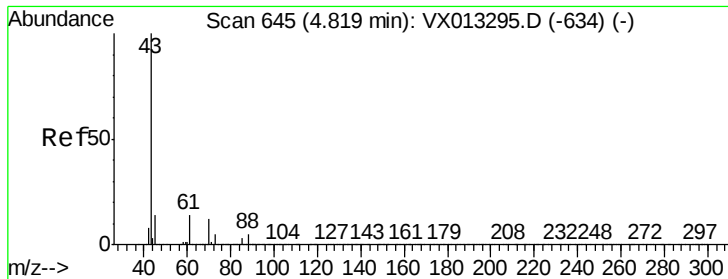
MMDadoda
11/5/2019 10:37:01 AM



#36
1,1-Dichloropropene
Concen: 50.775 ug/l
RT: 5.78 min Scan# 803
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	495213		
110	36.0	18.1	54.1	
77	30.4	25.0	37.4	





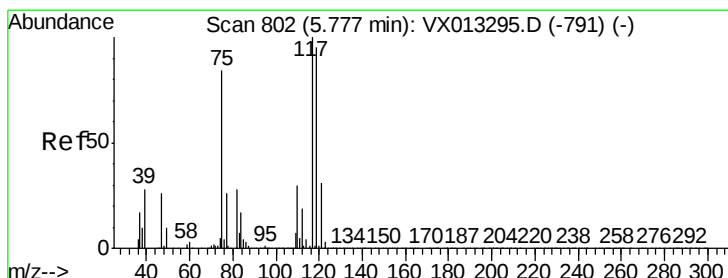
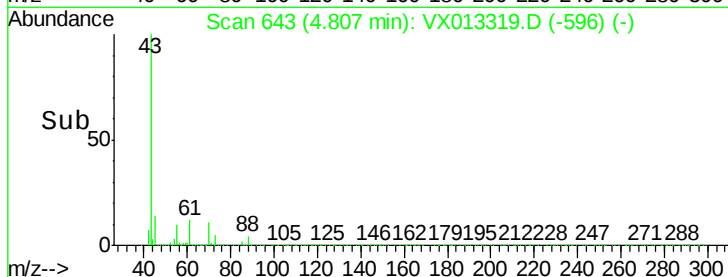
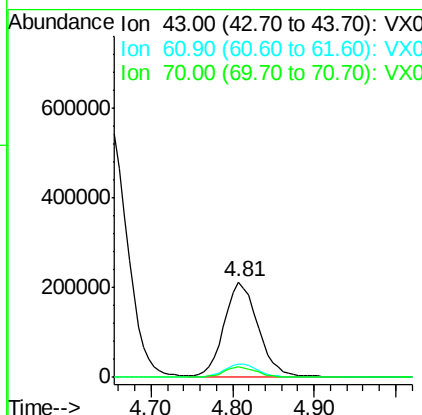
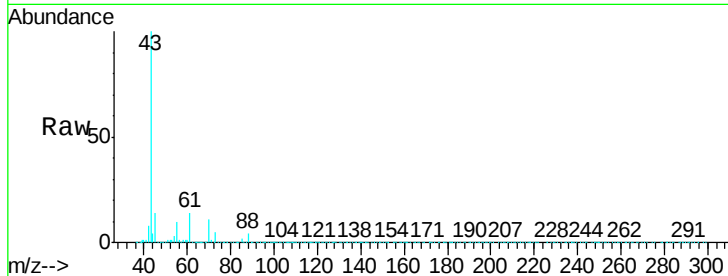
#37
Ethyl Acetate
Concen: 50.468 ug/l
RT: 4.81 min Scan# 643
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.4	8.7	13.1

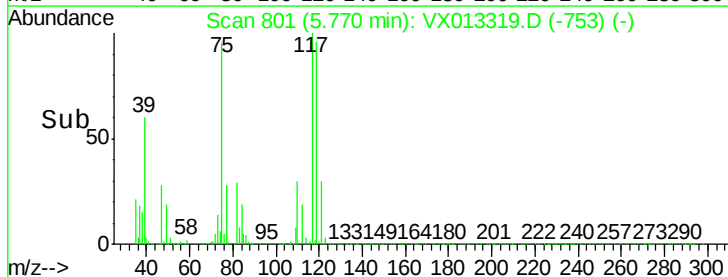
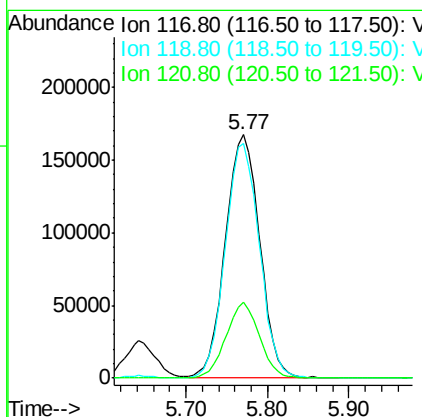
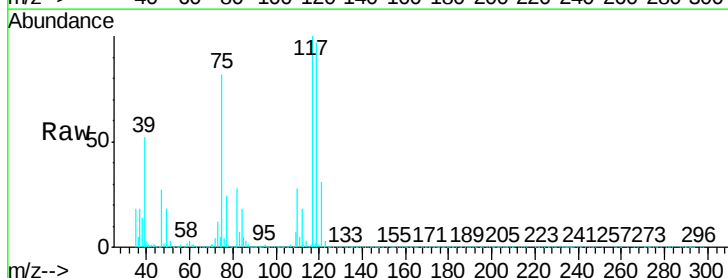
Manual Integrations
APPROVED

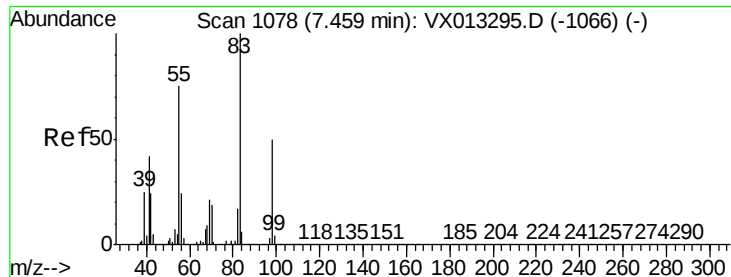
MMDadoda
11/5/2019 10:37:01 AM



#38
Carbon Tetrachloride
Concen: 51.031 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.1	114.1
121	30.9	24.6	37.0





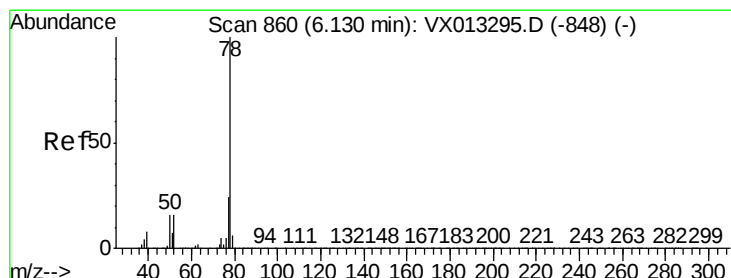
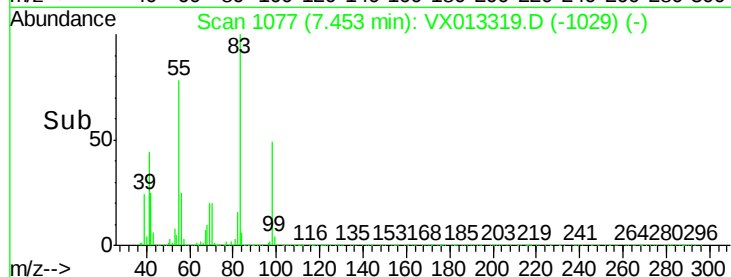
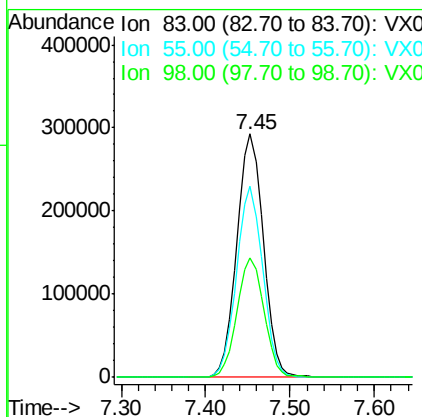
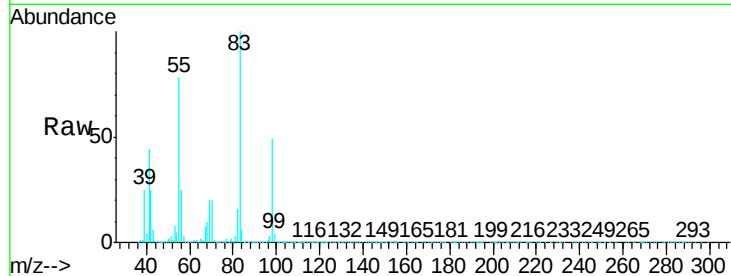
#39
Methylcyclohexane
Concen: 51.190 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.3	60.3	90.5
98	48.9	40.3	60.5

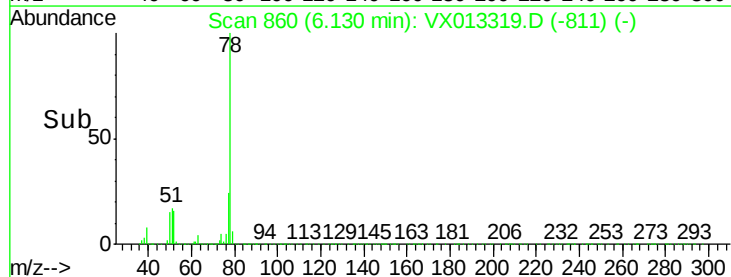
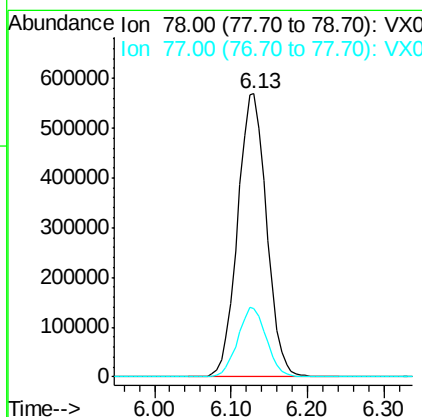
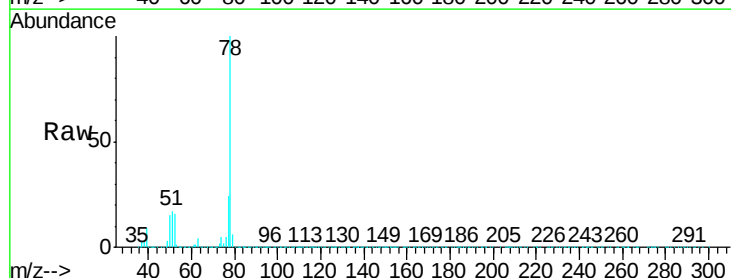
Manual Integrations
APPROVED

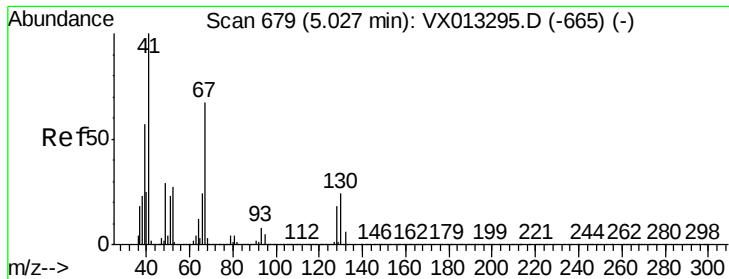
MMDadoda
11/5/2019 10:37:01 AM



#40
Benzene
Concen: 49.128 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.5	29.3





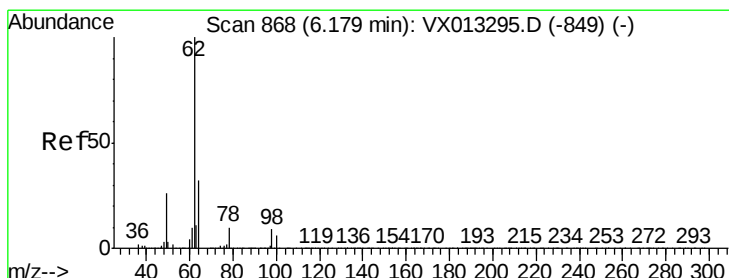
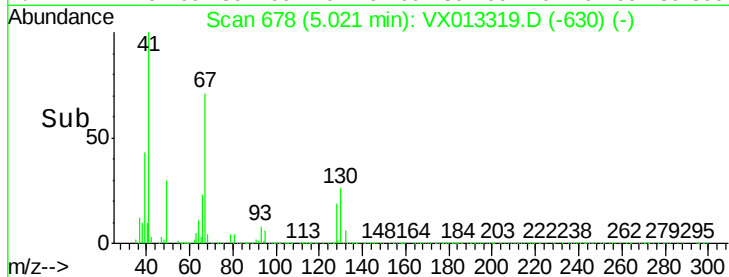
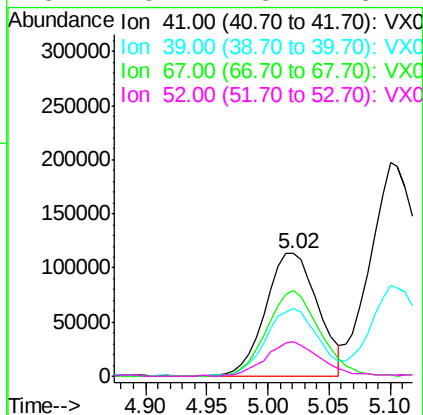
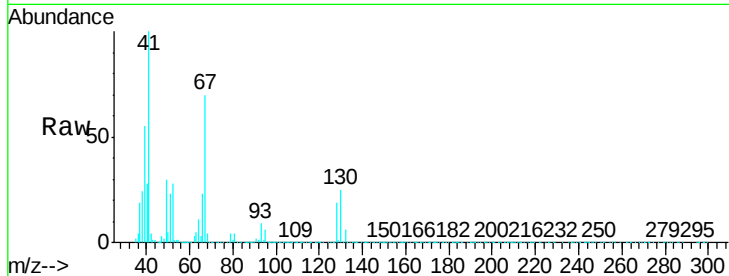
#41
Methacrylonitrile
Concen: 49.949 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.4	45.0	67.6
67	70.5	55.4	83.2
52	28.4	23.1	34.7

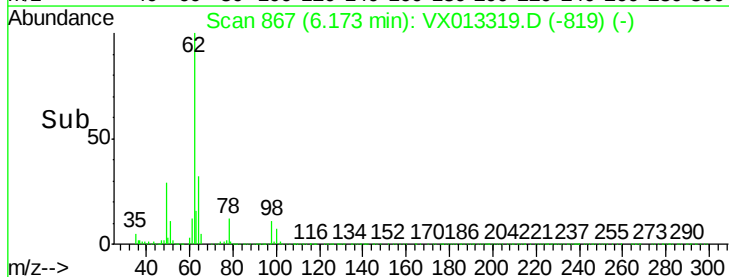
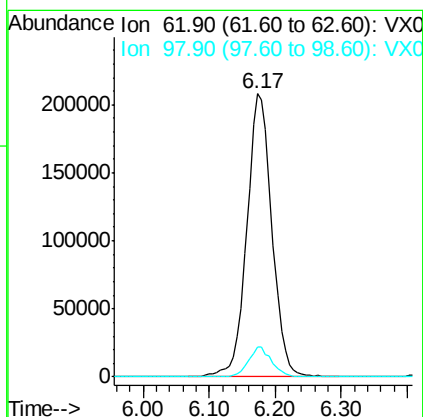
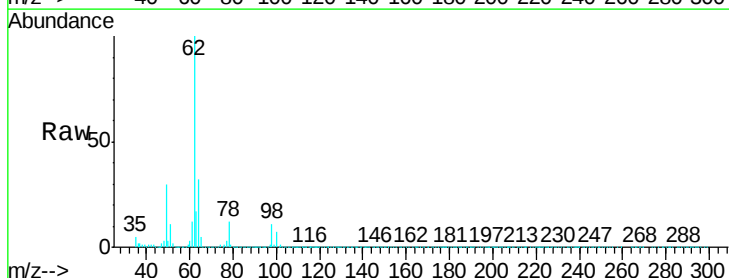
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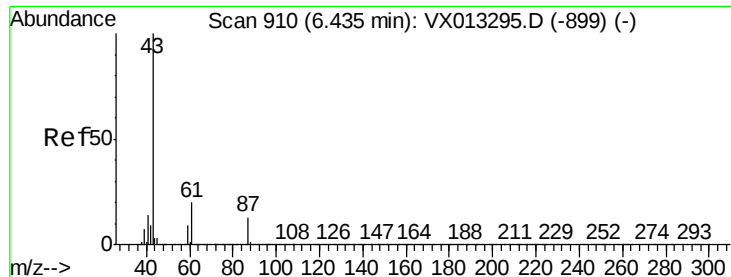
MMDadoda
11/5/2019 10:37:01 AM



#42
1,2-Dichloroethane
Concen: 49.898 ug/l
RT: 6.17 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4





#43

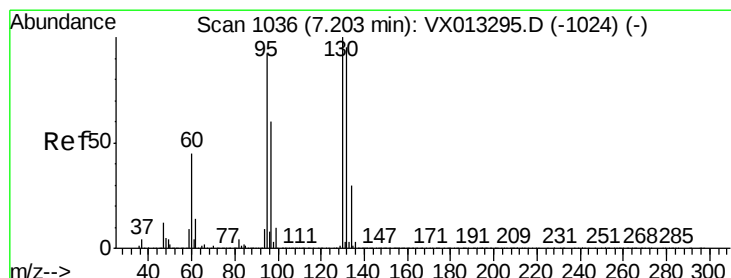
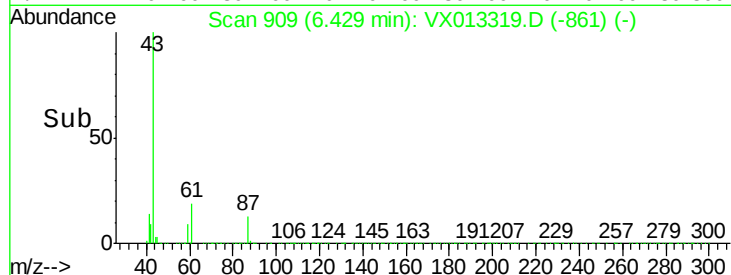
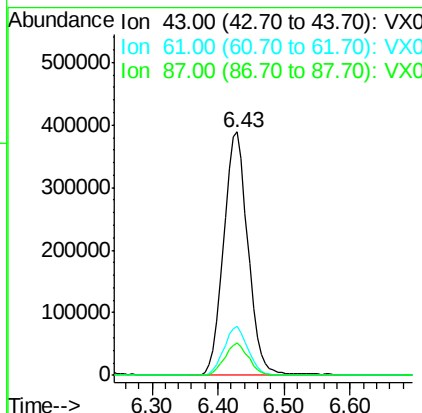
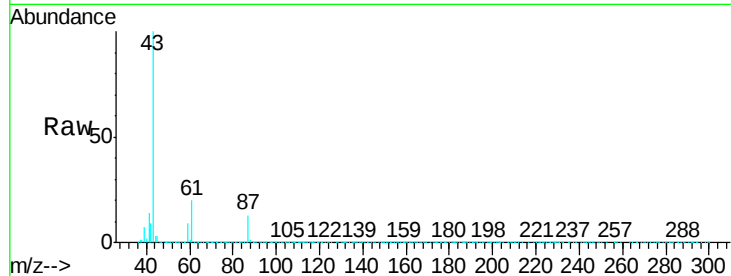
Isopropyl Acetate
 Concen: 52.670 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX013319.D
 Acq: 04 Nov 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.8	23.8
87	13.1	10.4	15.6

Manual Integrations
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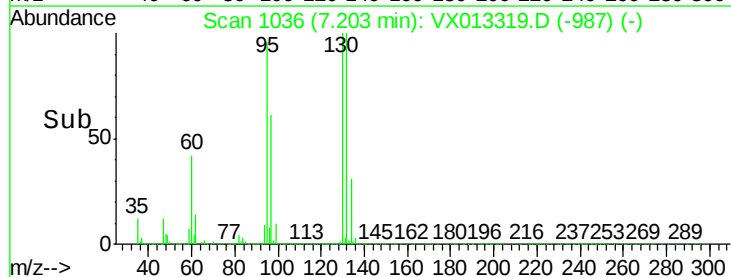
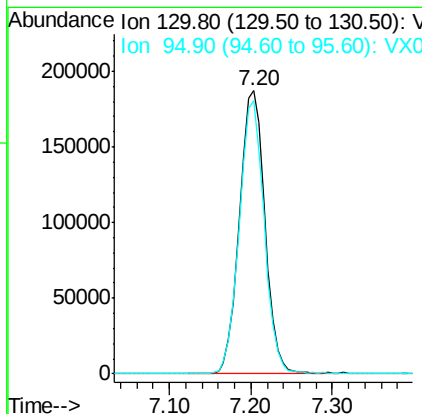
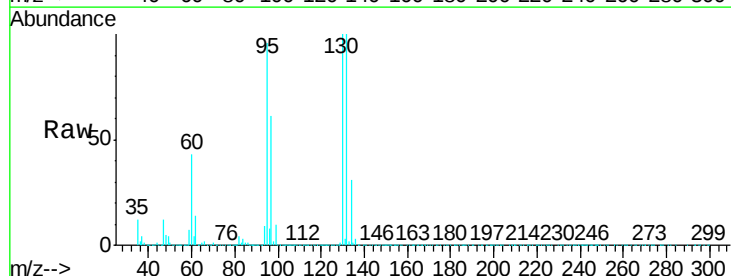
MMDadoda
 11/5/2019 10:37:01 AM

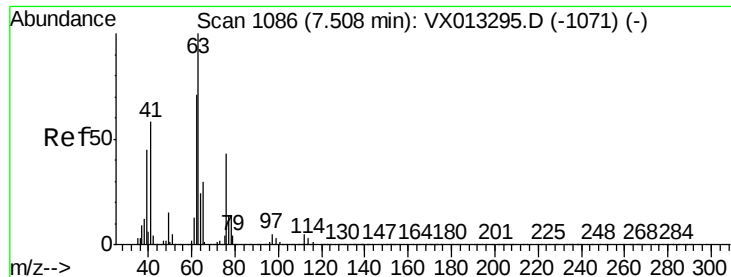


#44

Trichloroethene
 Concen: 48.349 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX013319.D
 Acq: 04 Nov 2019 11:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	184.8





#45

1,2-Dichloropropane

Concen: 51.162 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

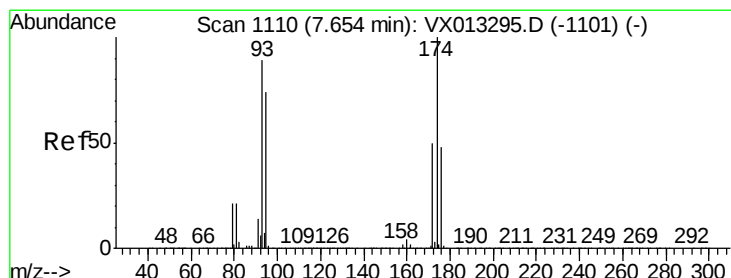
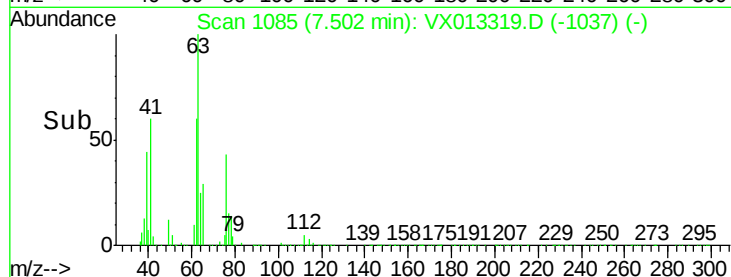
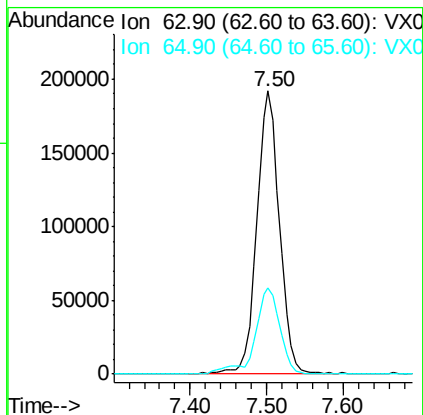
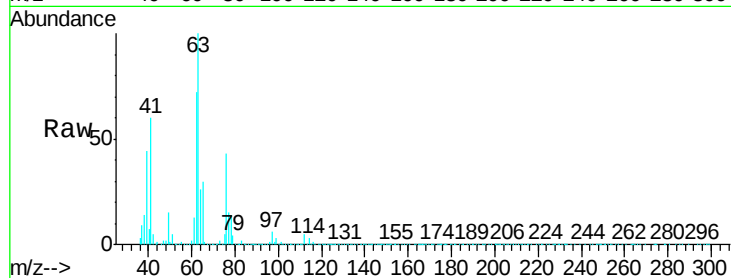
Tgt Ion: 63 Resp: 396036
Ion Ratio Lower Upper

63 100

65 30.4 24.3 36.5

Manual Integrations
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MMDadoda
11/5/2019 10:37:01 AM



#46

Dibromomethane

Concen: 50.188 ug/l

RT: 7.65 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VX013319.D

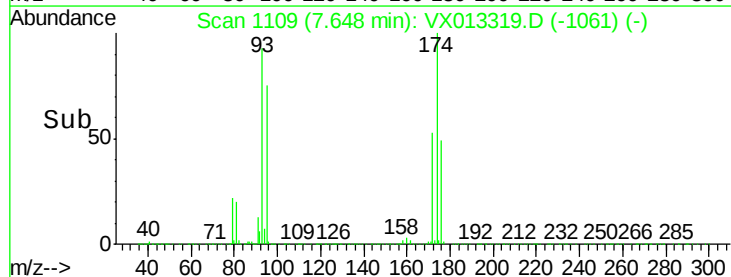
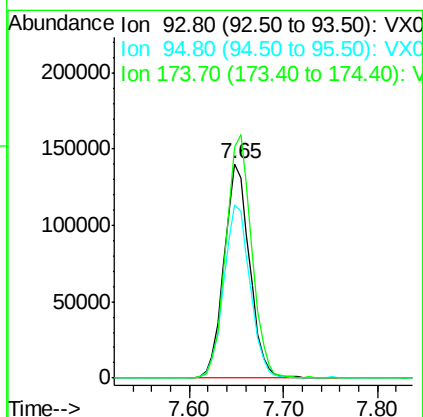
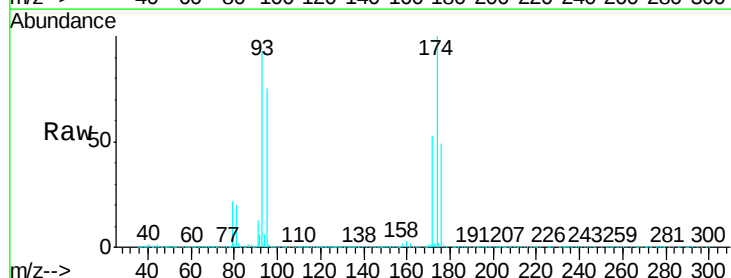
Acq: 04 Nov 2019 11:48

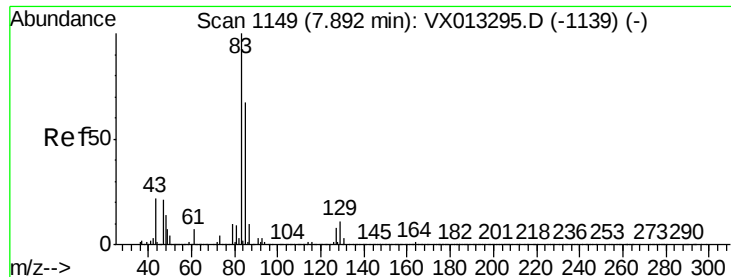
Tgt Ion: 93 Resp: 265253
Ion Ratio Lower Upper

93 100

95 81.9 65.8 98.6

174 114.7 90.4 135.6





#47

Bromodichloromethane

Concen: 52.455 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

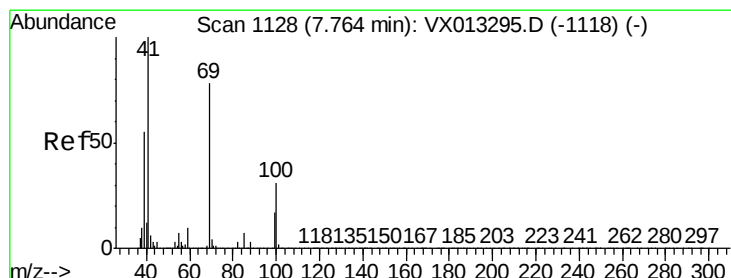
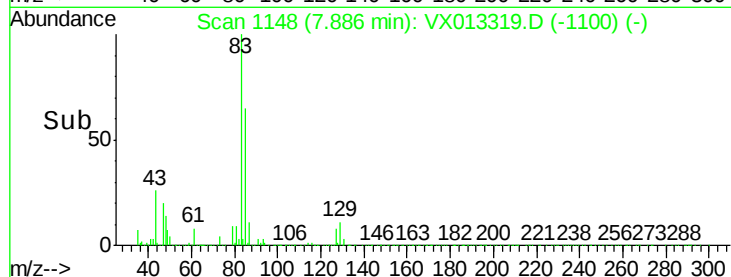
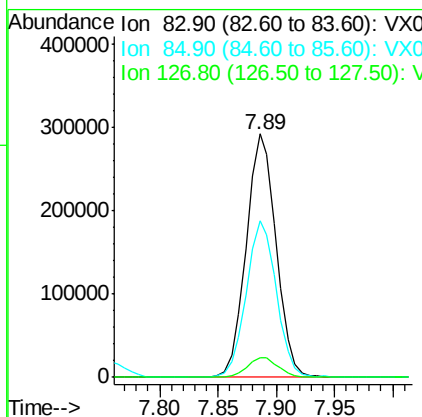
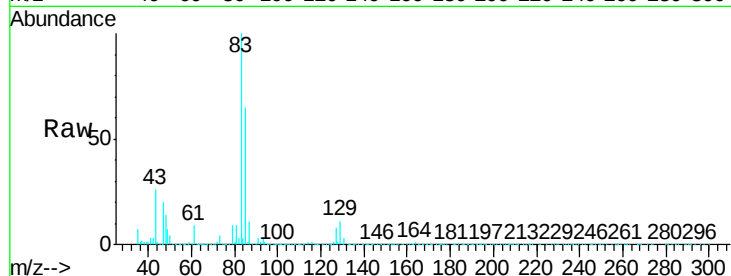
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	522789
Ion Ratio	Lower	Upper	
83	100		
85	64.5	53.7	80.5
127	8.1	6.4	9.6

Manual Integrations
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11/5/2019 10:37:01 AM



#48

Methyl methacrylate

Concen: 52.320 ug/l

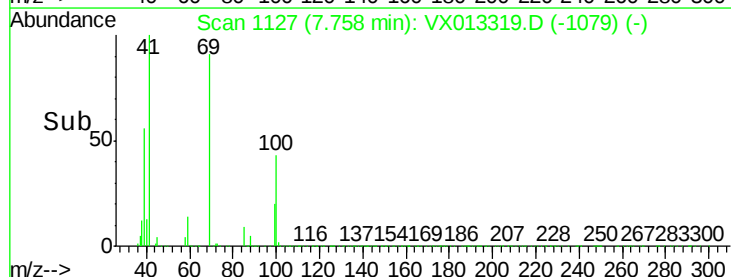
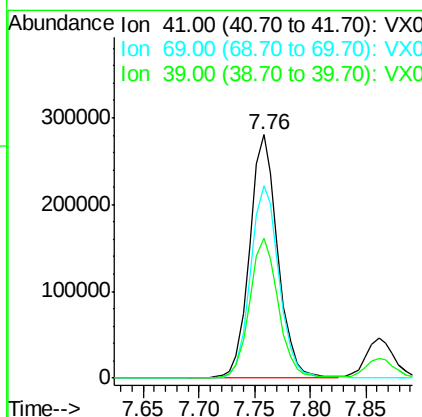
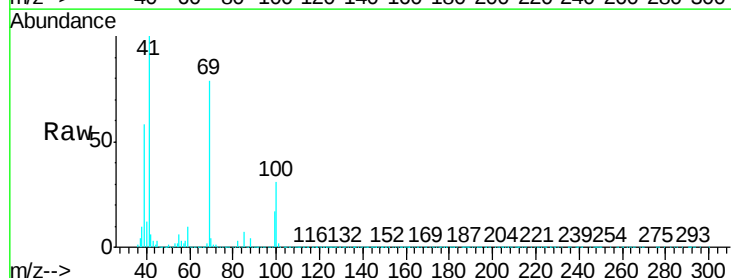
RT: 7.76 min Scan# 1127

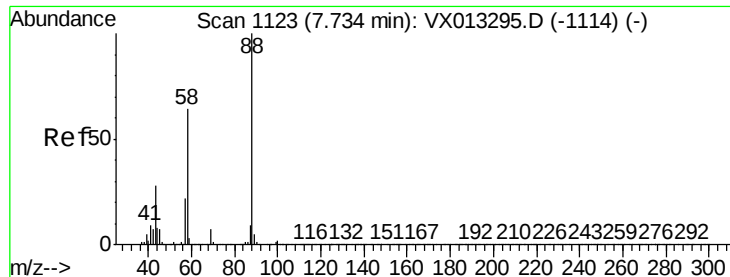
Delta R.T. -0.01 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Tgt Ion:	41	Resp:	490115
Ion Ratio	Lower	Upper	
41	100		
69	80.9	63.0	94.6
39	58.9	45.9	68.9





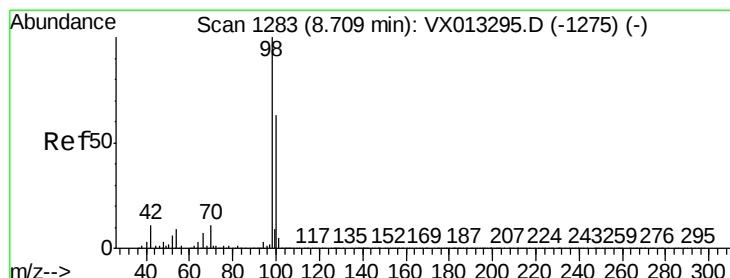
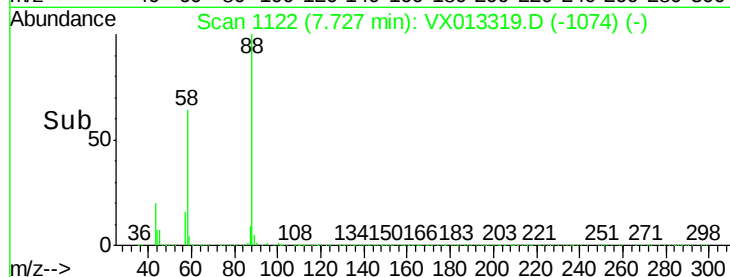
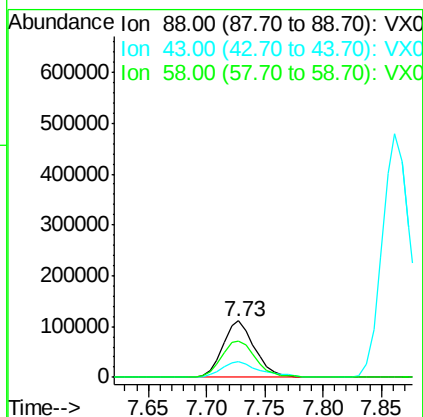
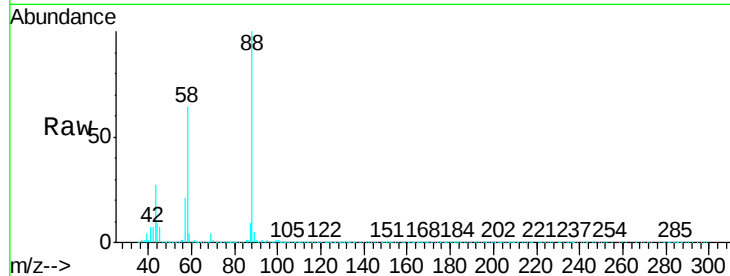
#49
1,4-Dioxane
Concen: 968.387 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.7	26.6	39.8
58	69.4	55.0	82.6

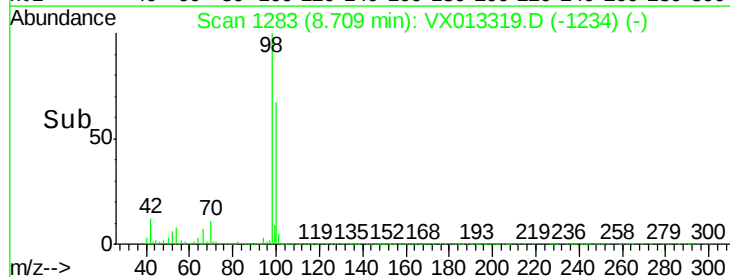
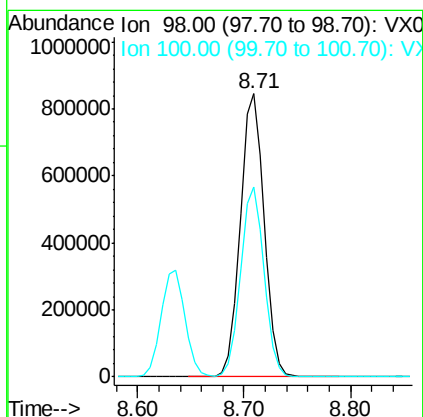
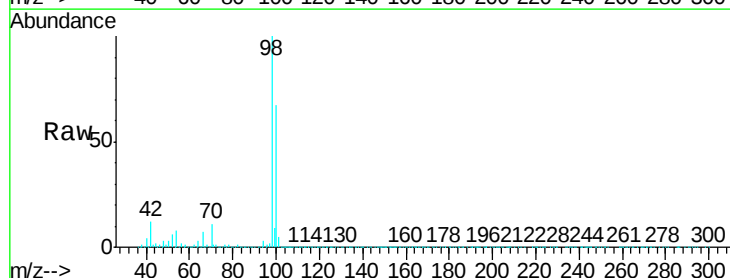
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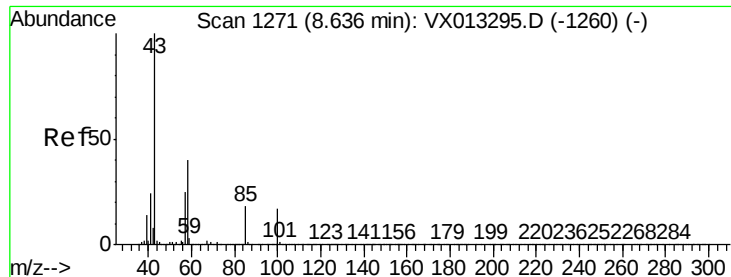
MMDadoda
11/5/2019 10:37:01 AM



#50
Toluene-d8
Concen: 49.499 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.2	78.2





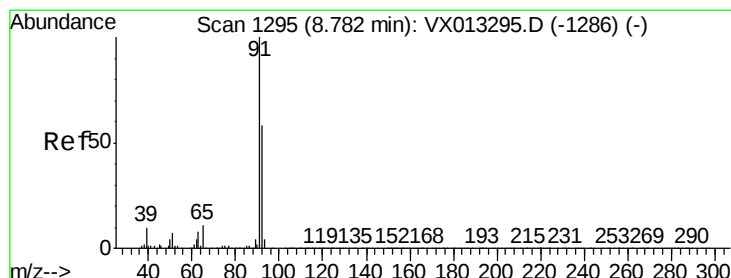
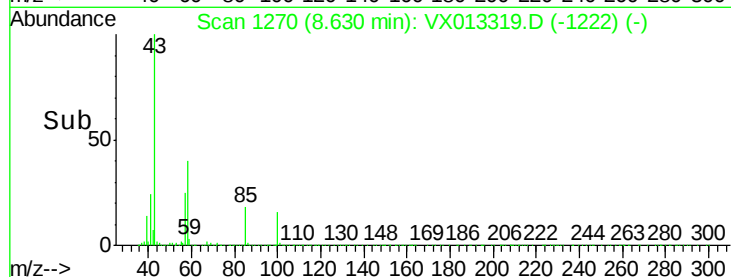
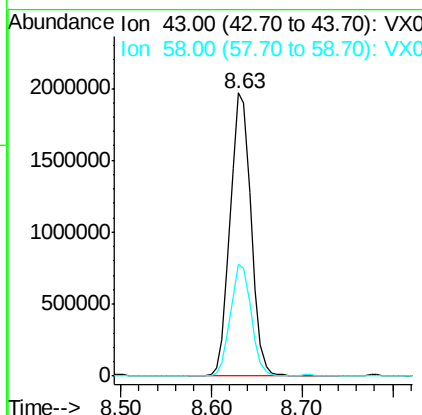
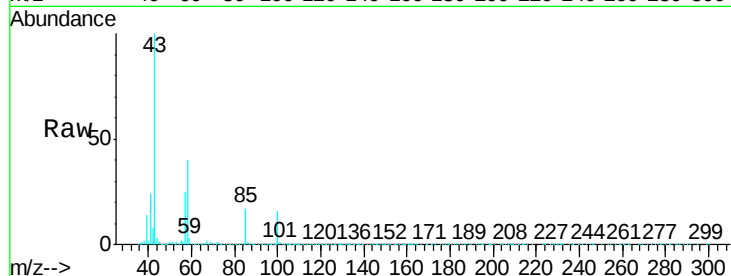
#51
4-Methyl-2-Pentanone
Concen: 255.803 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 3149529
Ion Ratio Lower Upper
43 100
58 39.1 31.4 47.0

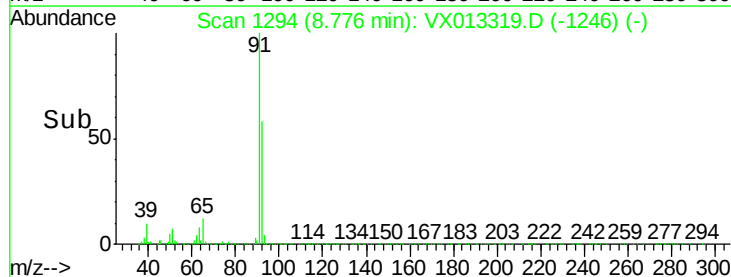
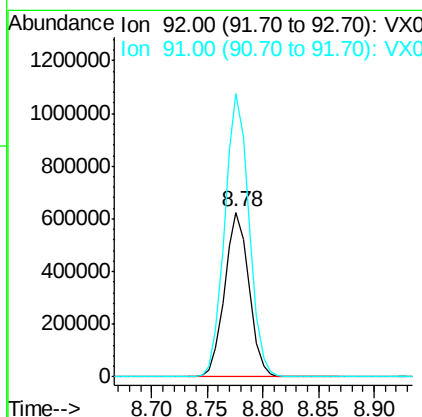
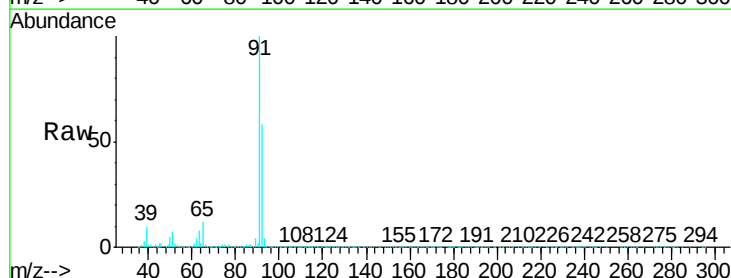
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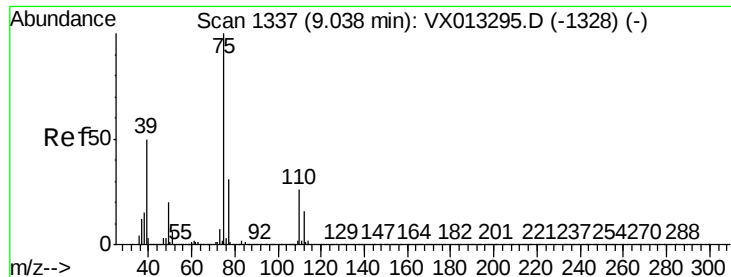
MMDadoda
11/5/2019 10:37:01 AM



#52
Toluene
Concen: 50.003 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion: 92 Resp: 941544
Ion Ratio Lower Upper
92 100
91 172.7 138.0 207.0





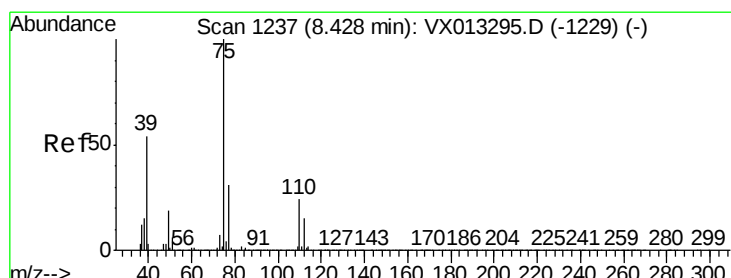
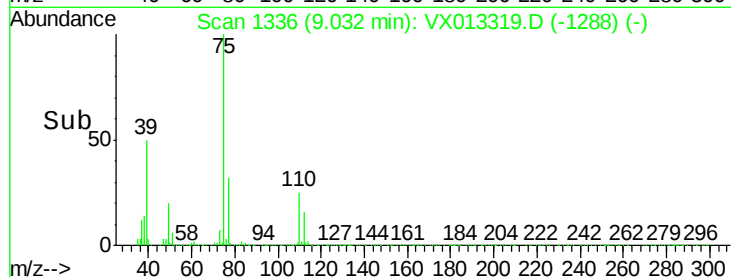
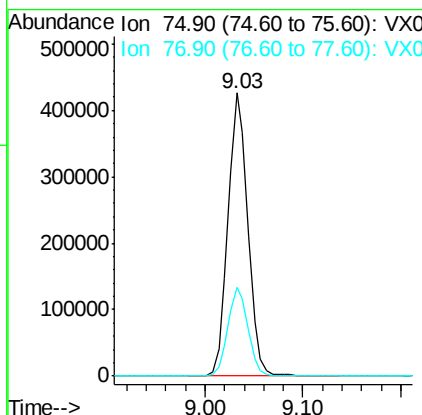
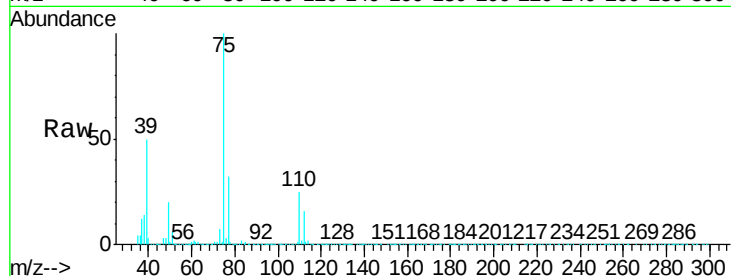
#53
t-1,3-Dichloropropene
Concen: 55.083 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 600299
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4

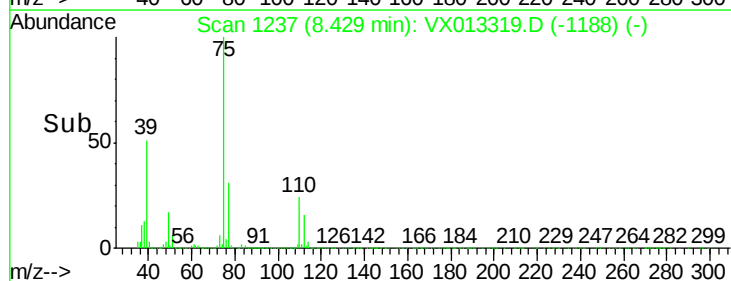
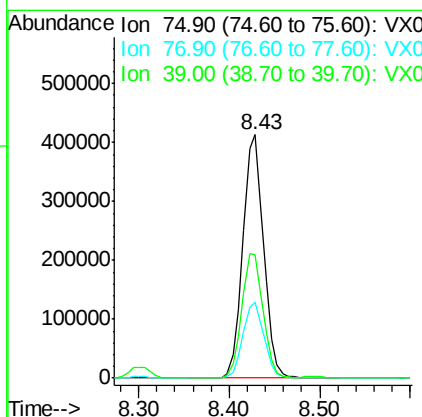
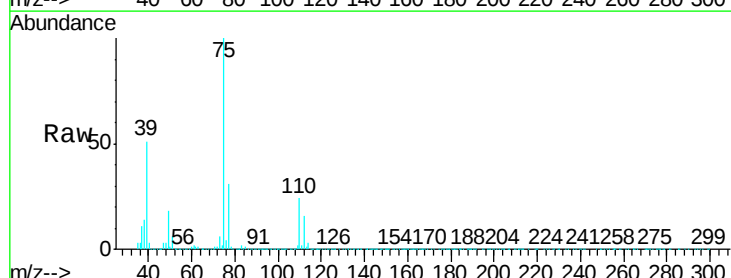
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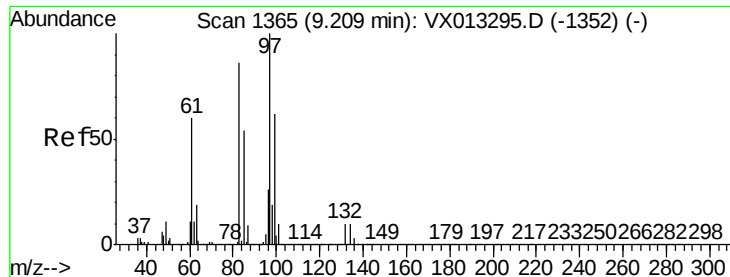
MMDadoda
11/5/2019 10:37:01 AM



#54
cis-1,3-Dichloropropene
Concen: 53.760 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion: 75 Resp: 655377
Ion Ratio Lower Upper
75 100
77 31.1 24.7 37.1
39 50.6 43.0 64.6





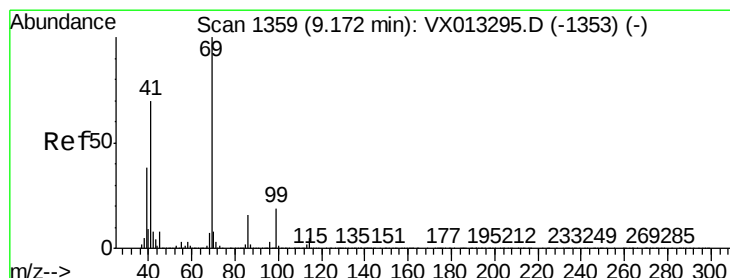
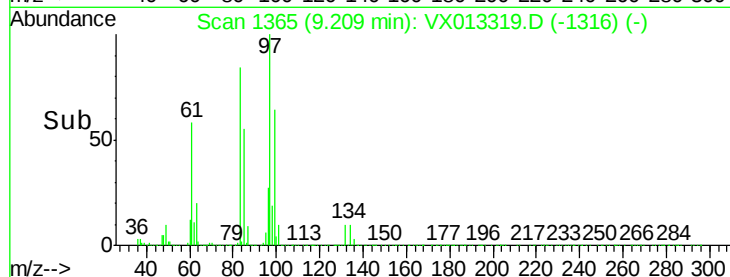
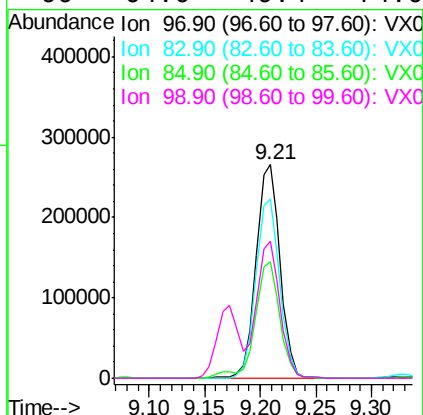
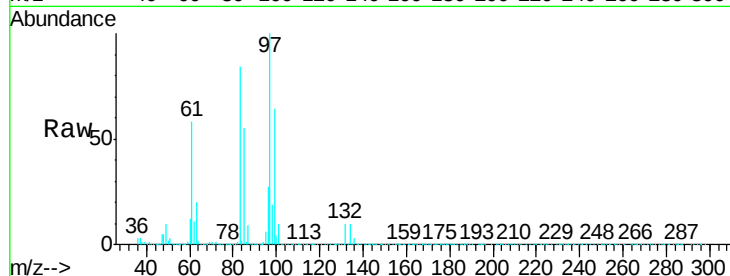
#55
 1,1,2-Trichloroethane
 Concen: 51.157 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013319.D
 Acq: 04 Nov 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	399264		
83	84.2	68.6	103.0	
85	54.7	43.1	64.7	
99	64.0	49.4	74.0	

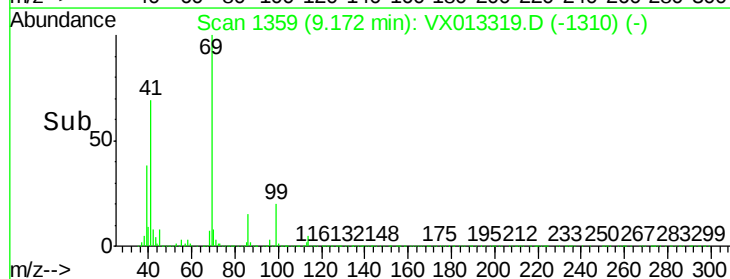
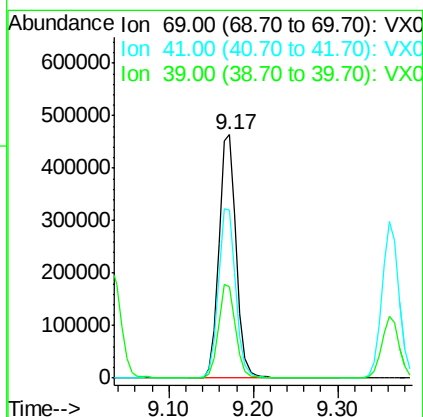
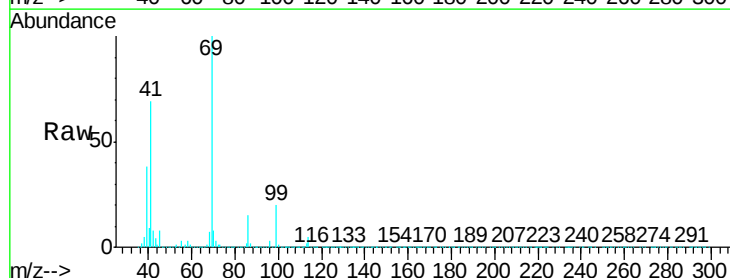
Manual Integrations
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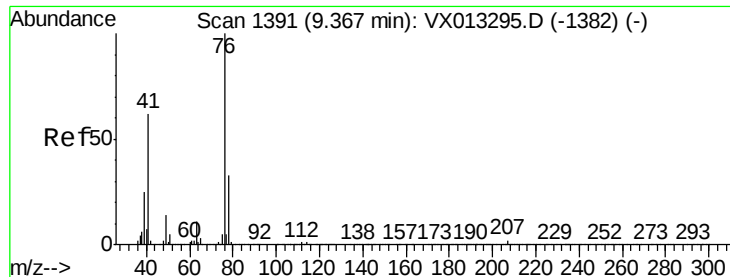
MMDadoda
 11/5/2019 10:37:01 AM



#56
 Ethyl methacrylate
 Concen: 49.342 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013319.D
 Acq: 04 Nov 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	657152		
41	69.3	56.2	84.2	
39	37.7	31.1	46.7	





#57

1,3-Dichloropropane

Concen: 50.132 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 664178

Ion Ratio Lower Upper

76 100

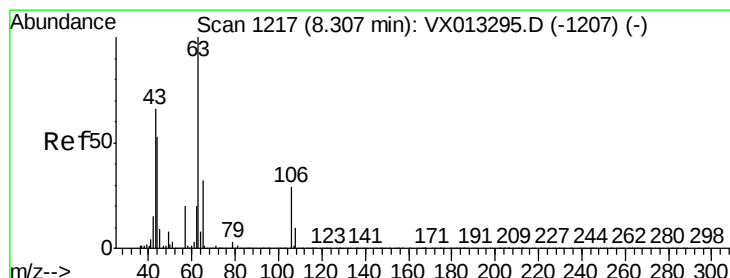
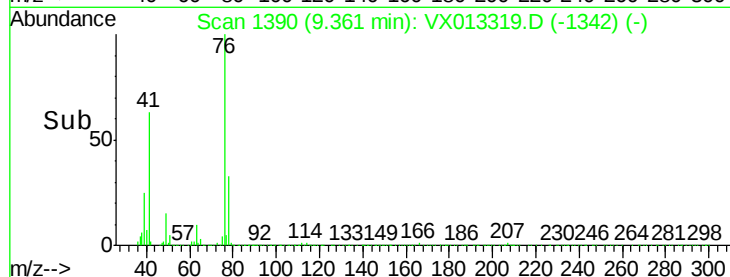
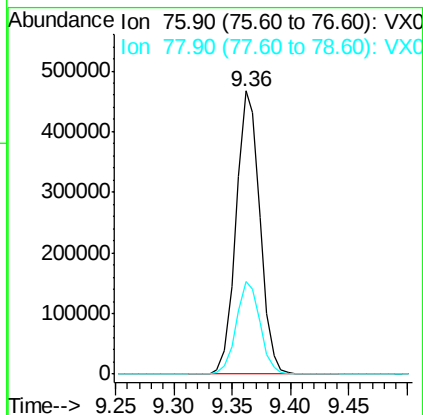
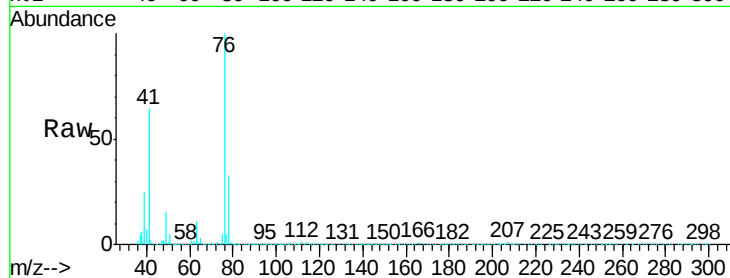
78 32.4 25.8 38.6

Manual Integrations

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MMDadoda

11/5/2019 10:37:01 AM



#58

2-Chloroethyl Vinyl ether

Concen: 261.646 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013319.D

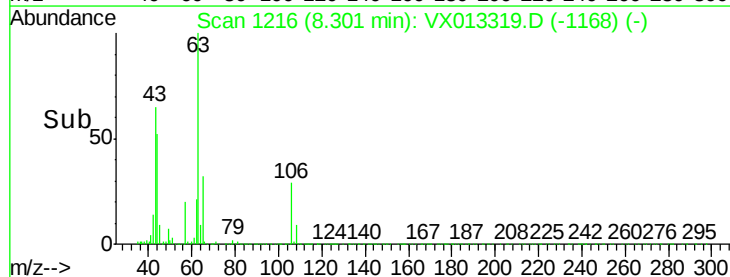
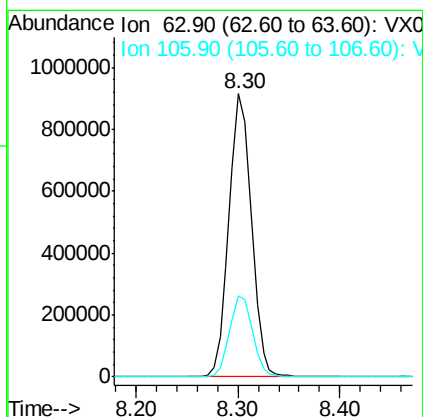
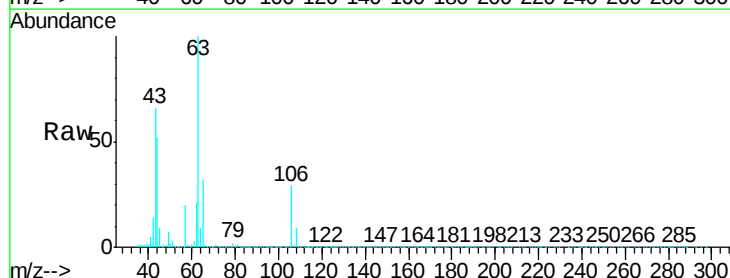
Acq: 04 Nov 2019 11:48

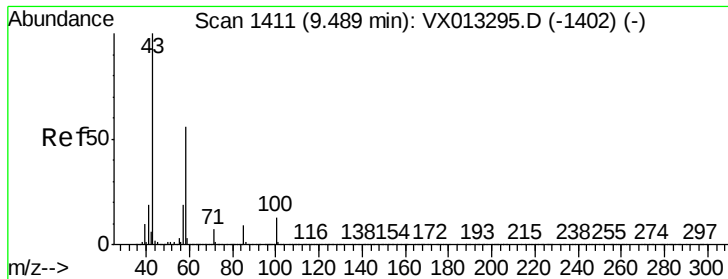
Tgt Ion: 63 Resp: 1396256

Ion Ratio Lower Upper

63 100

106 29.3 23.4 35.2





#59

2-Hexanone

Concen: 258.840 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 2462784

Ion Ratio Lower Upper

43 100

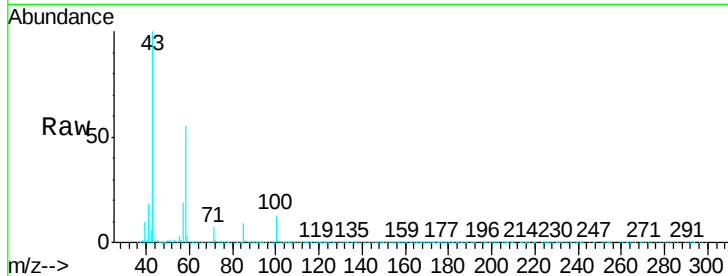
58 54.9 27.3 81.8

Manual Integrations

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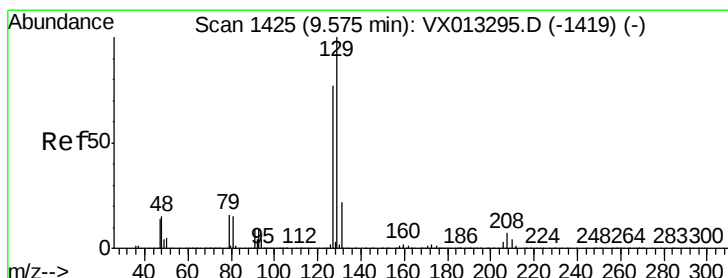
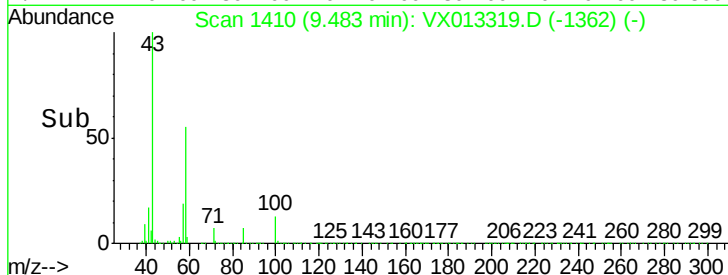
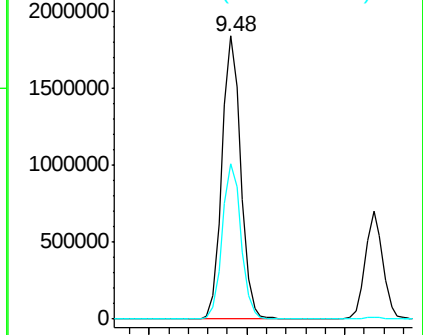
MMDadoda

11/5/2019 10:37:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#60

Dibromochloromethane

Concen: 53.974 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX013319.D

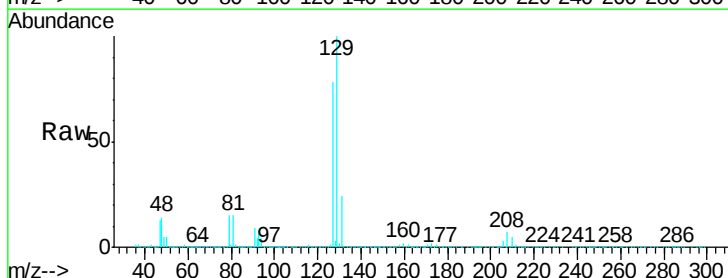
Acq: 04 Nov 2019 11:48

Tgt Ion: 129 Resp: 430824

Ion Ratio Lower Upper

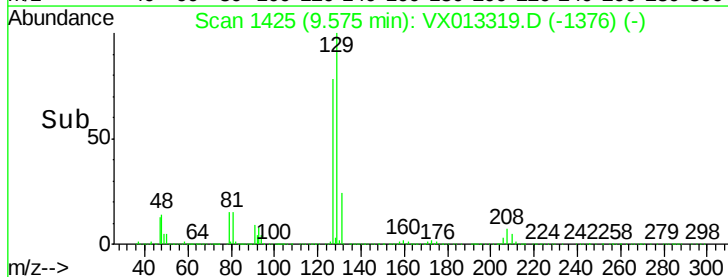
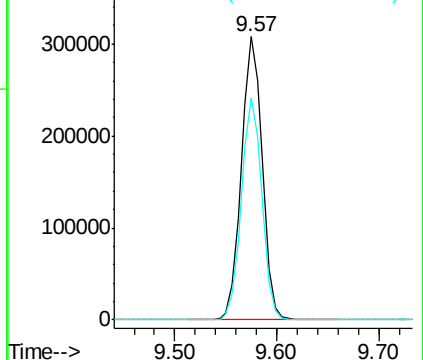
129 100

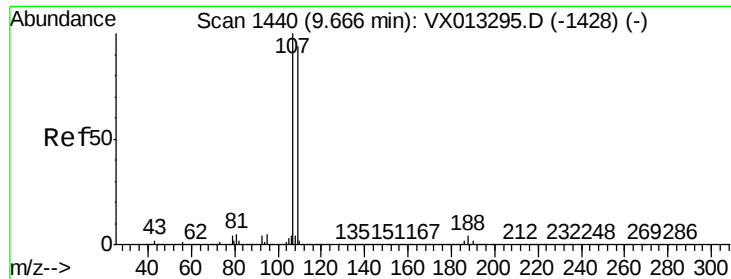
127 77.4 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 50.936 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 422134

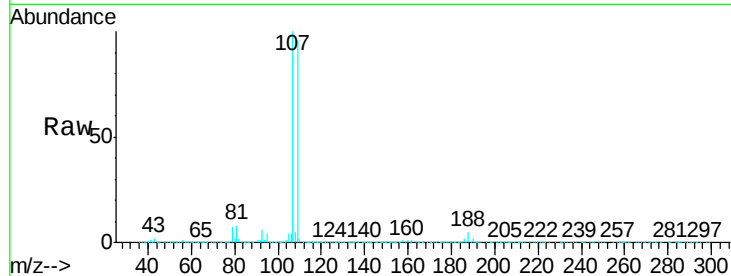
Ion Ratio Lower Upper

107 100

109 94.5 75.1 112.7

Manual Integrations
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11/5/2019 10:37:01 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

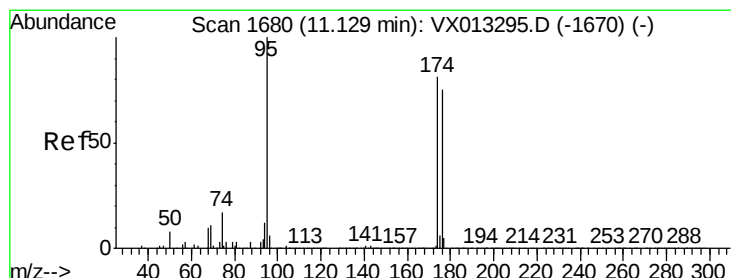
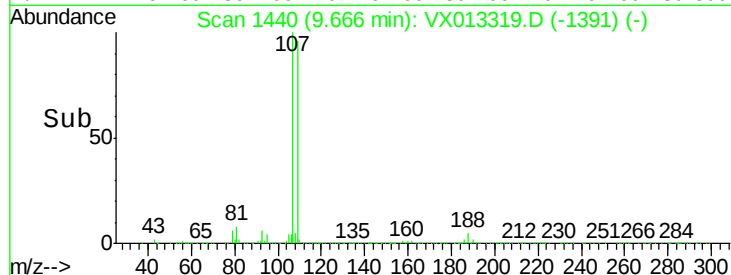
300000

200000

100000

0

Time--> 9.50 9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 49.834 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

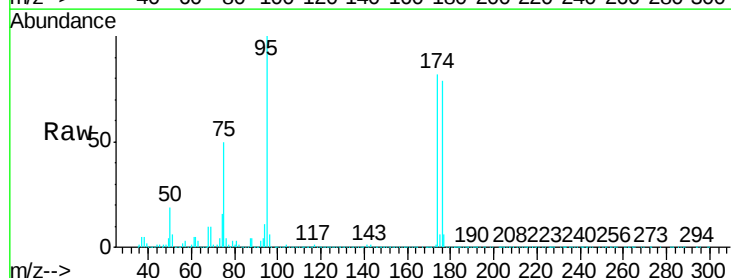
Tgt Ion: 95 Resp: 483479

Ion Ratio Lower Upper

95 100

174 89.5 0.0 179.8

176 86.6 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

500000

400000

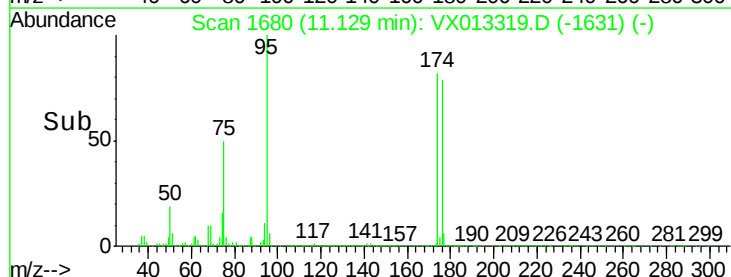
300000

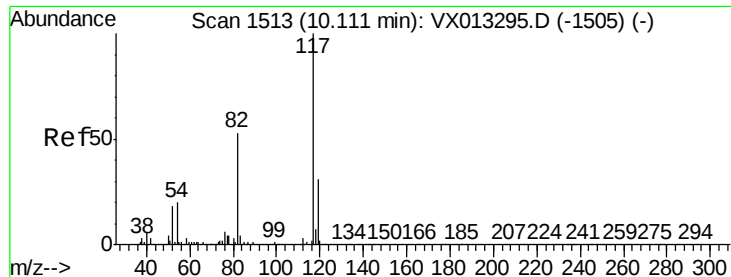
200000

100000

0

Time--> 11.05 11.10 11.15 11.20





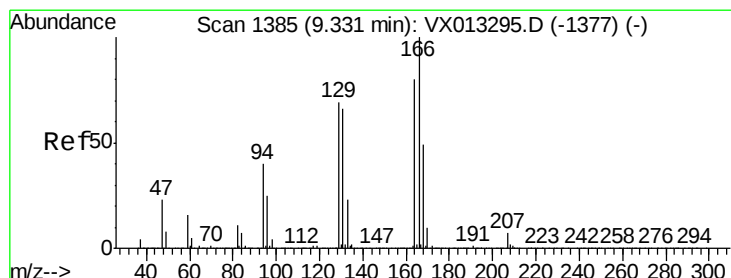
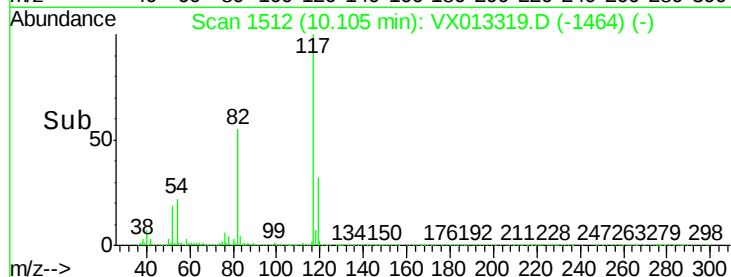
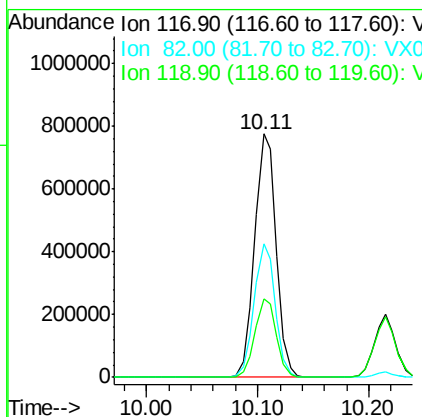
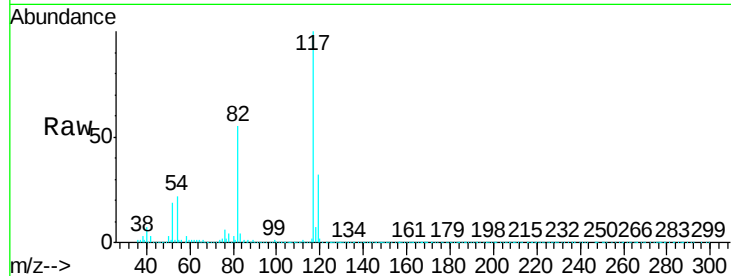
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1045022
Ion Ratio Lower Upper
117 100
82 54.7 42.6 64.0
119 32.3 24.8 37.2

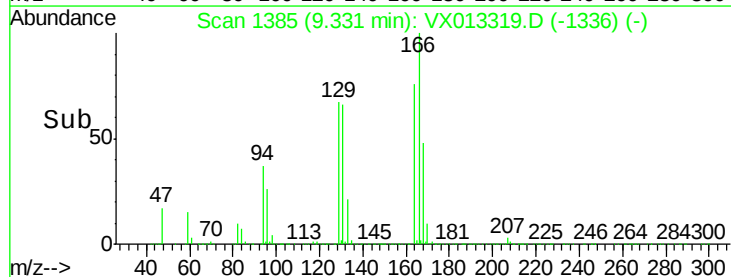
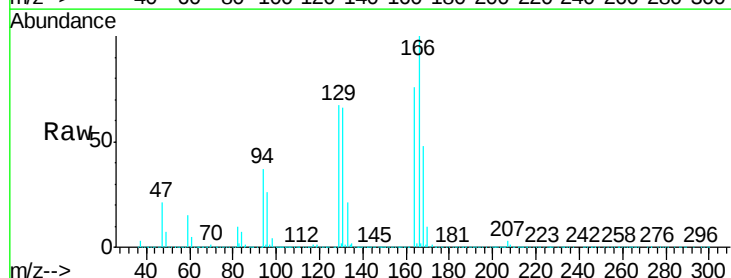
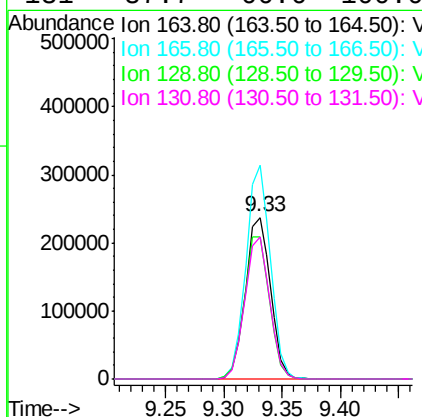
Manual Integrations
APPROVED

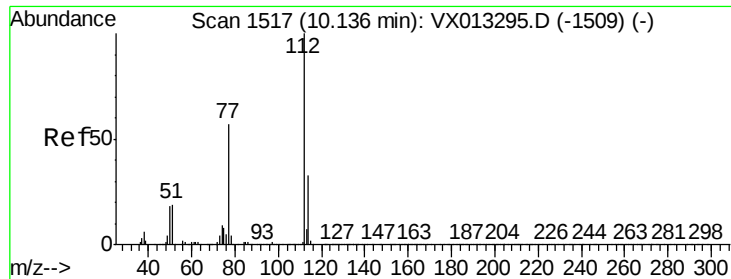
MMDadoda
11/5/2019 10:37:01 AM



#64
Tetrachloroethene
Concen: 47.993 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion:164 Resp: 359037
Ion Ratio Lower Upper
164 100
166 132.3 100.4 150.6
129 88.3 69.4 104.2
131 87.7 66.6 100.0





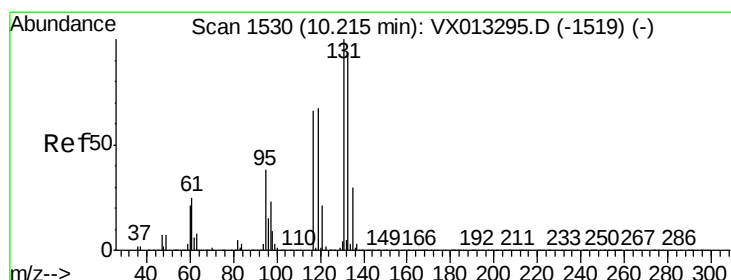
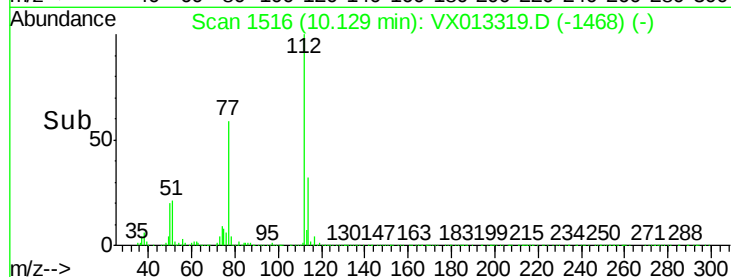
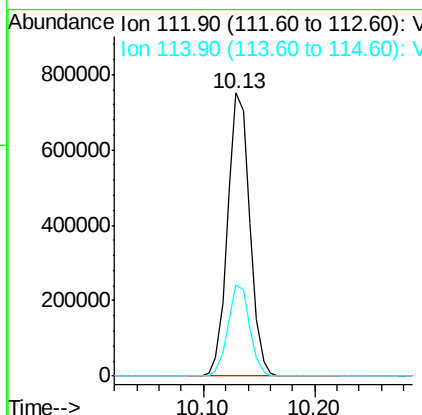
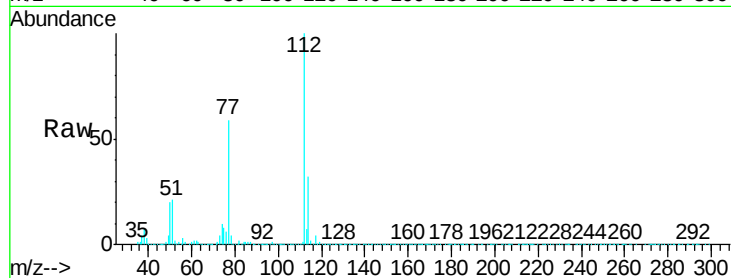
#65
Chlorobenzene
Concen: 48.752 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 1031437
Ion Ratio Lower Upper
112 100
114 32.1 26.4 39.6

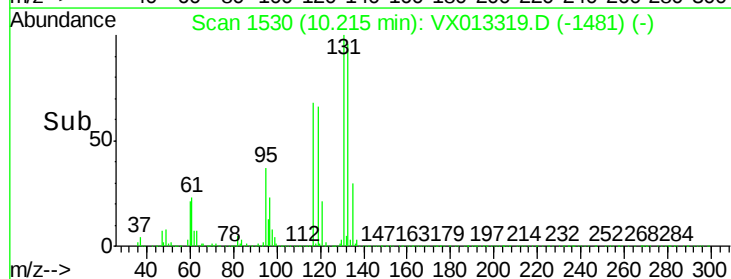
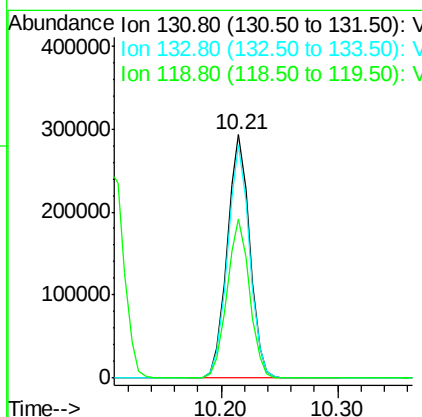
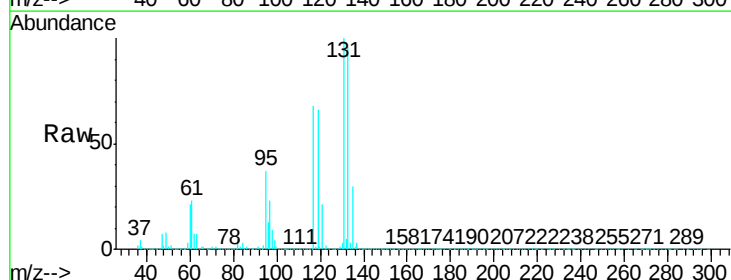
Manual Integrations
APPROVED

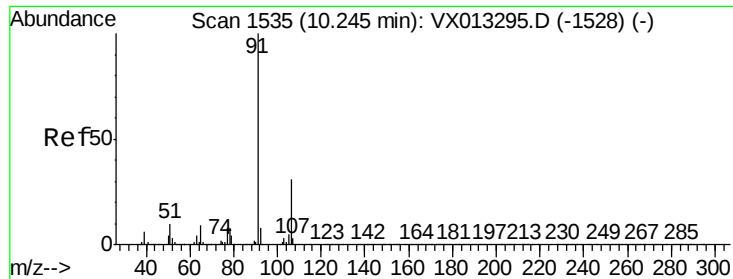
MMDadoda
11/5/2019 10:37:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.561 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion:131 Resp: 392769
Ion Ratio Lower Upper
131 100
133 94.0 48.0 144.0
119 65.1 33.0 99.0





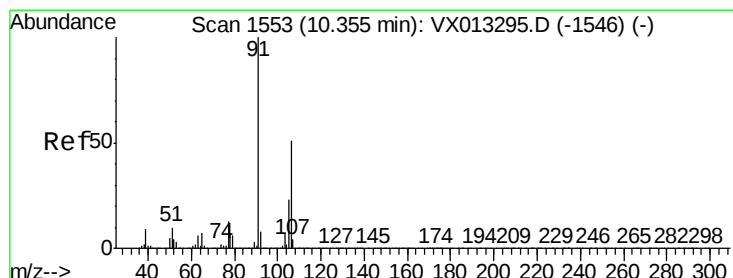
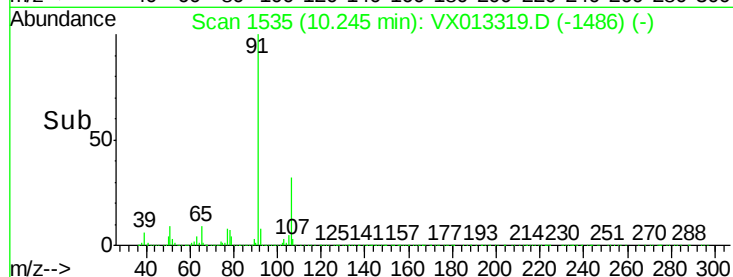
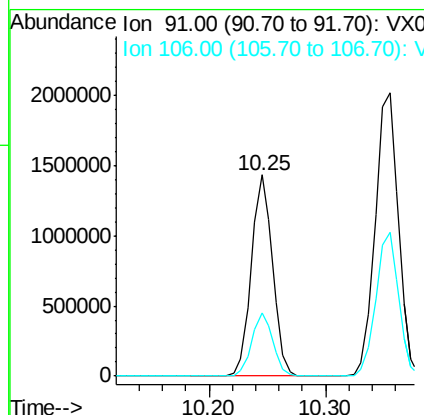
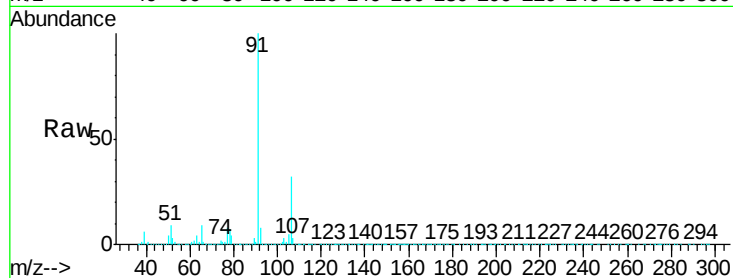
#67
Ethyl Benzene
Concen: 50.023 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1826575
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8

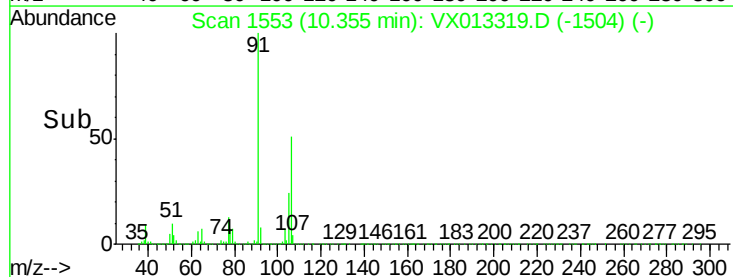
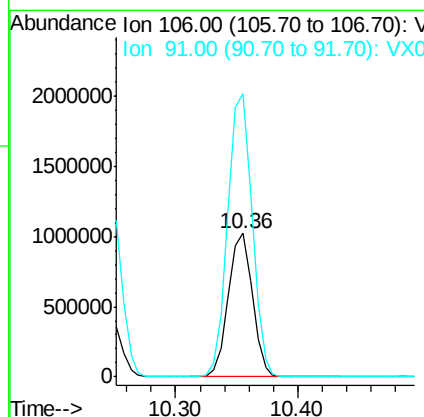
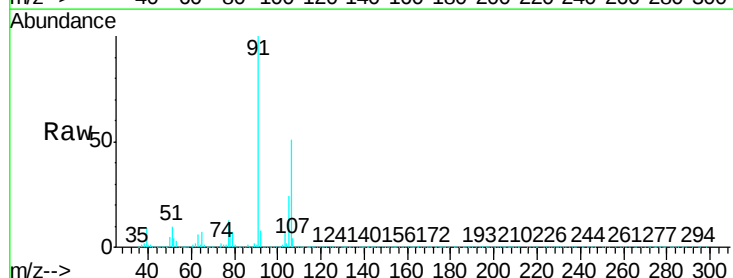
Manual Integrations
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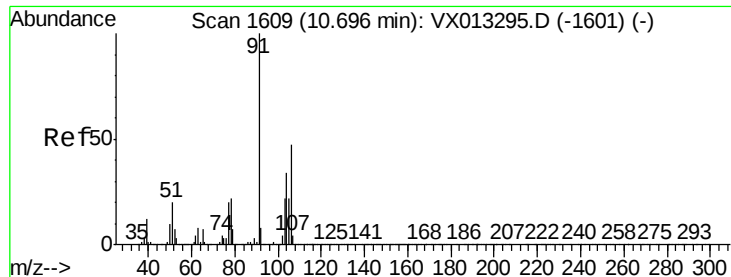
MMDadoda
11/5/2019 10:37:01 AM



#68
m/p-Xylenes
Concen: 100.739 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion: 106 Resp: 1391157
Ion Ratio Lower Upper
106 100
91 200.1 159.3 238.9





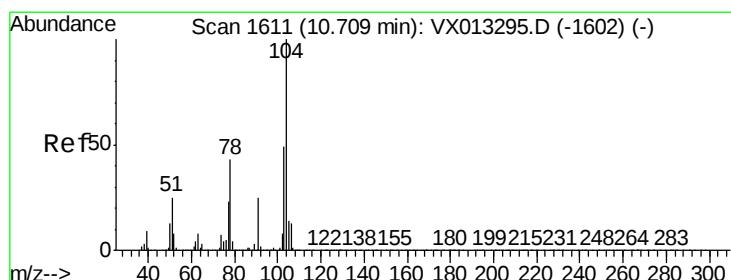
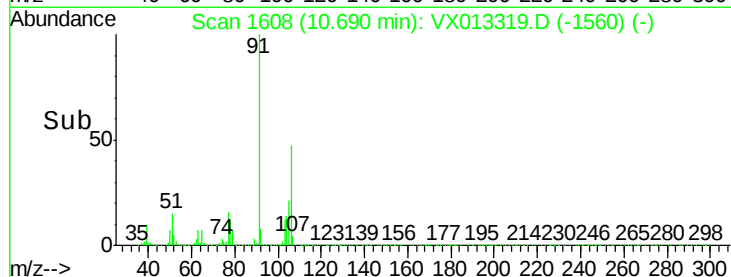
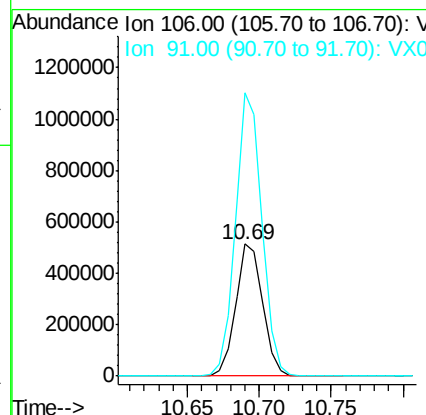
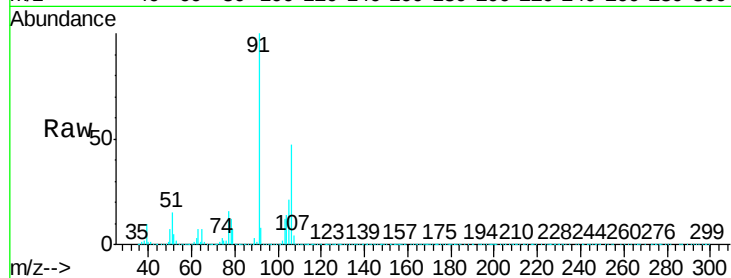
#69
o-Xylene
Concen: 49.740 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 672480
Ion Ratio Lower Upper
106 100
91 210.8 105.7 317.0

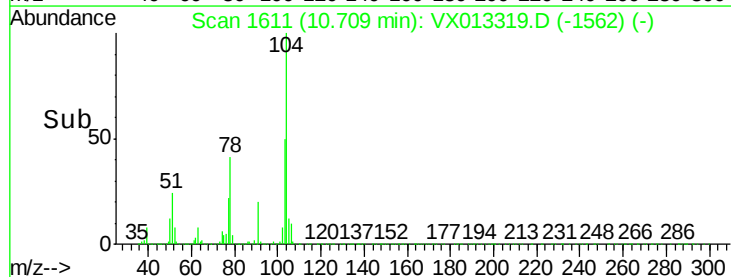
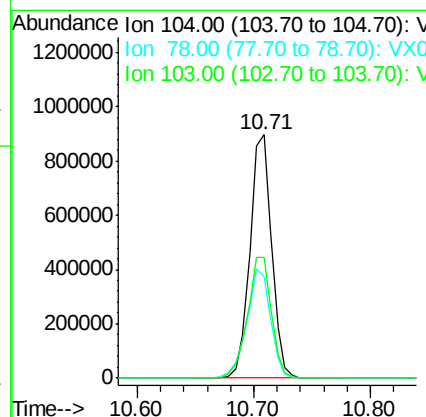
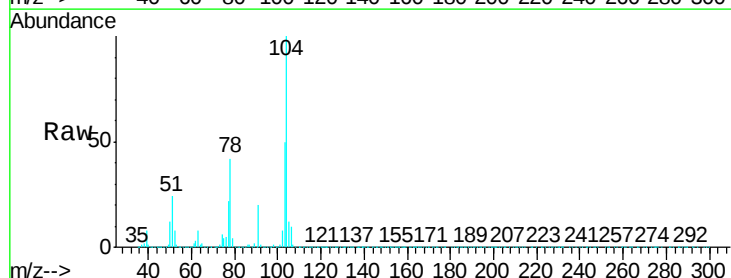
Manual Integrations
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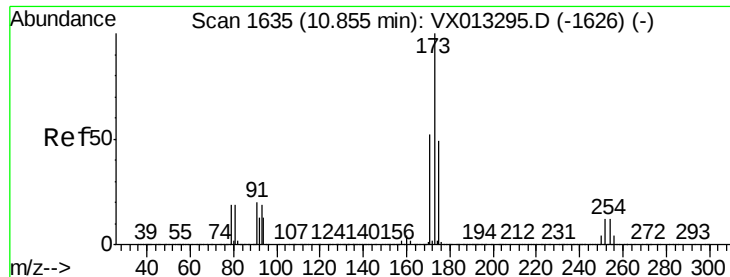
MMDadoda
11/5/2019 10:37:01 AM



#70
Styrene
Concen: 51.862 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion:104 Resp: 1172094
Ion Ratio Lower Upper
104 100
78 48.9 40.0 60.0
103 54.7 44.1 66.1





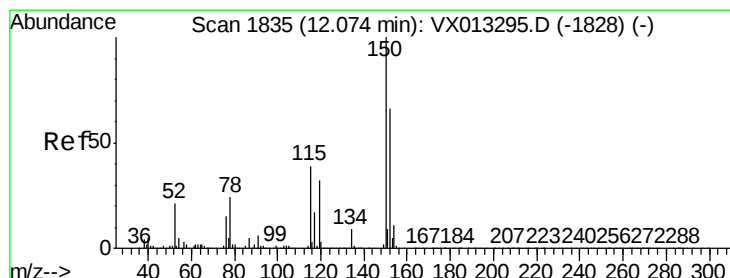
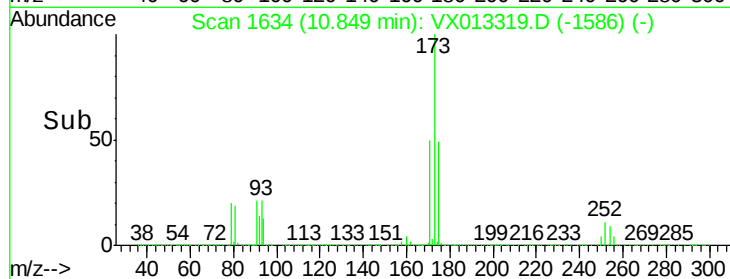
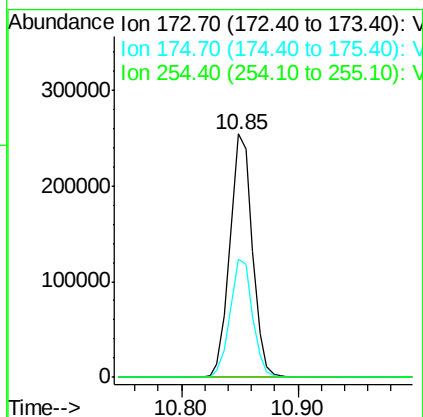
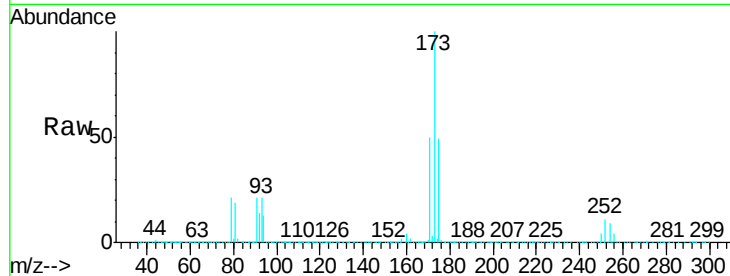
#71
Bromoform
Concen: 47.704 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.8	74.4
254	0.2	0.2	0.2

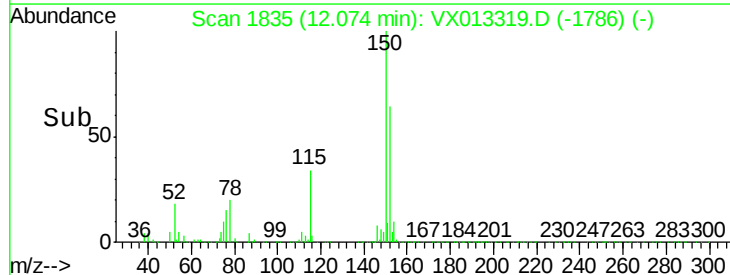
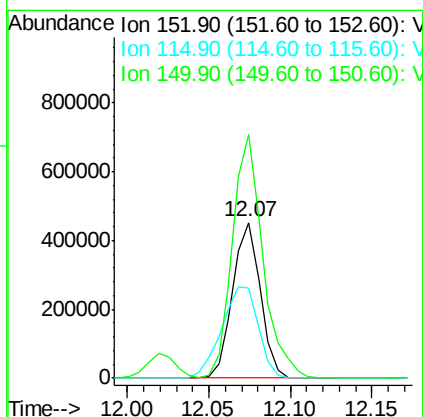
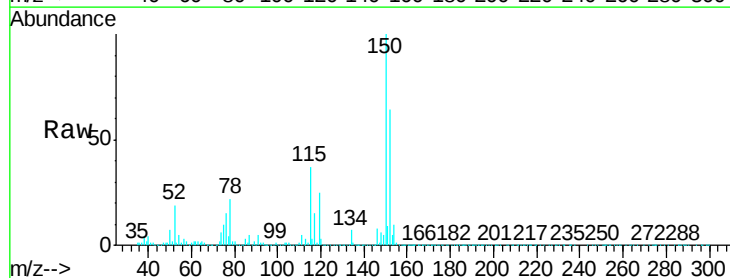
Manual Integrations
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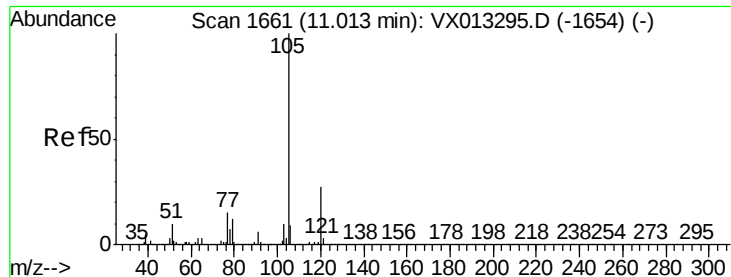
MMDadoda
11/5/2019 10:37:01 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.7	39.5	118.3
150	171.5	0.0	344.4





#73

Isopropylbenzene

Concen: 50.457 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 1786268

Ion Ratio Lower Upper

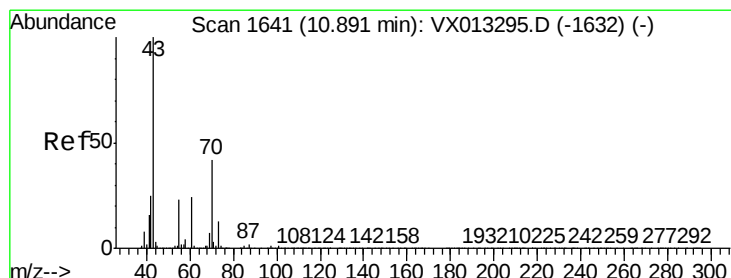
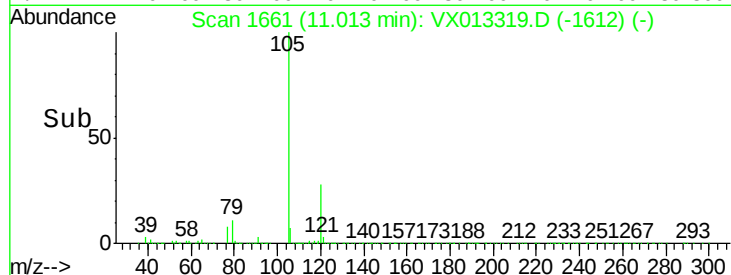
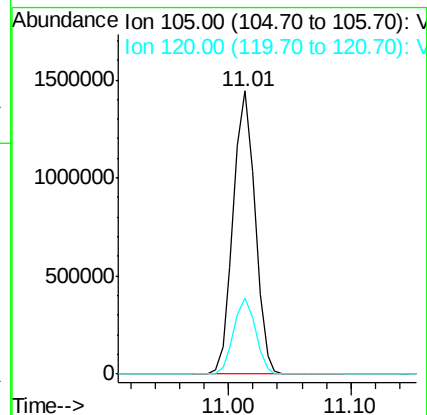
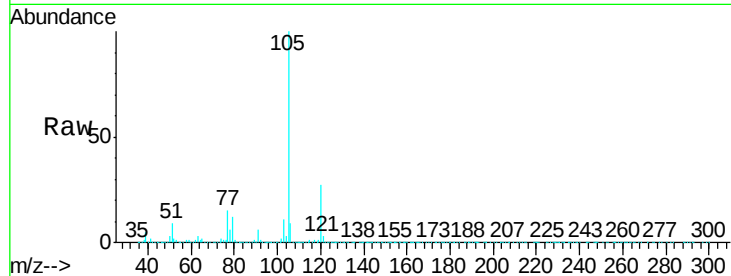
105 100

120 26.8 13.5 40.5

Manual Integrations
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11/5/2019 10:37:01 AM



#74

N-ethyl acetate

Concen: 53.603 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Tgt Ion: 43 Resp: 879972

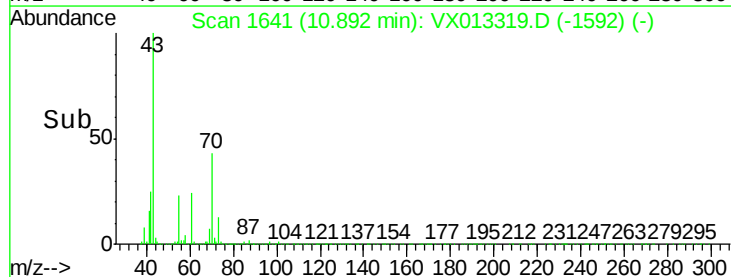
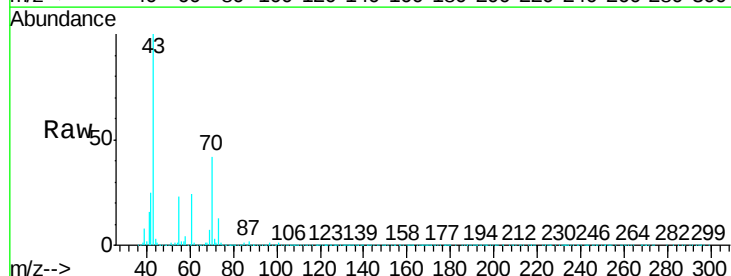
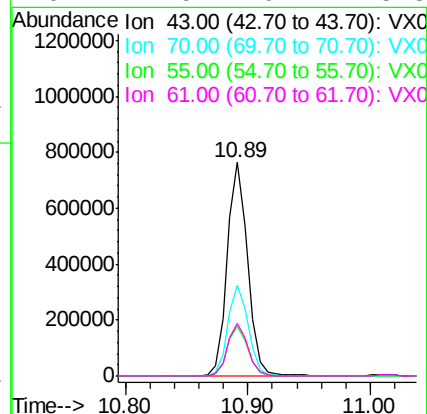
Ion Ratio Lower Upper

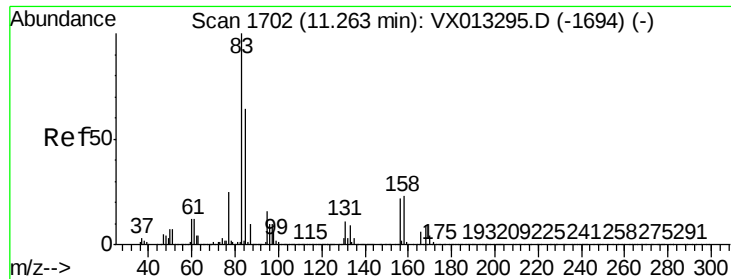
43 100

70 42.9 34.1 51.1

55 23.8 18.9 28.3

61 24.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.414 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 638190

Ion Ratio Lower Upper

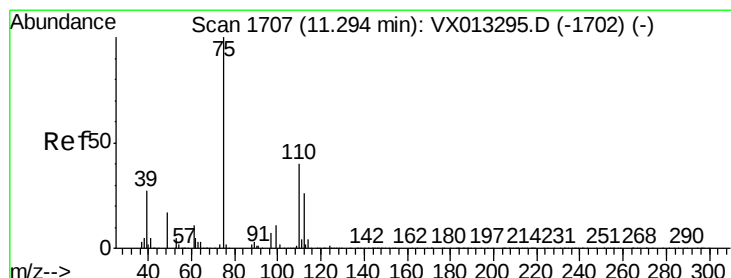
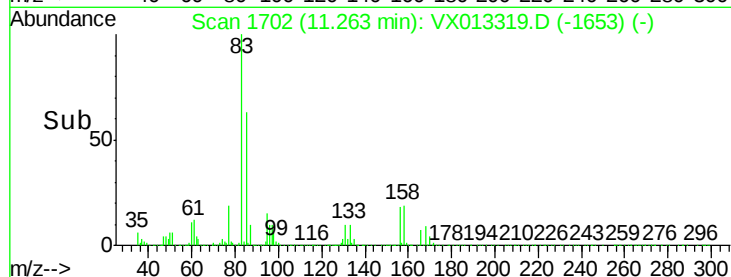
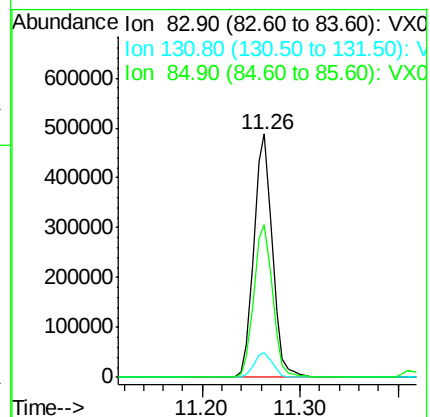
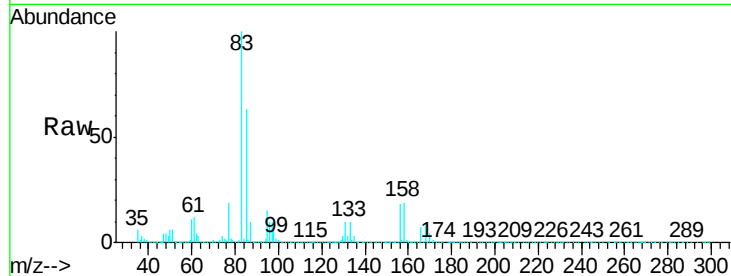
83 100

131 10.2 5.1 15.3

85 63.9 32.3 96.8

Manual Integrations
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11/5/2019 10:37:01 AM



#76

1,2,3-Trichloropropane

Concen: 48.999 ug/l m

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX013319.D

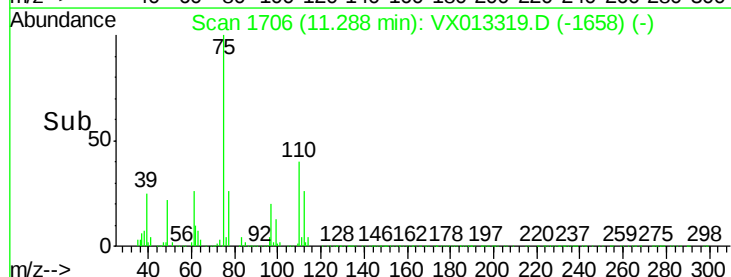
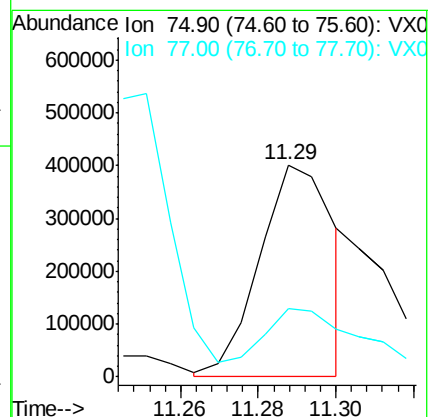
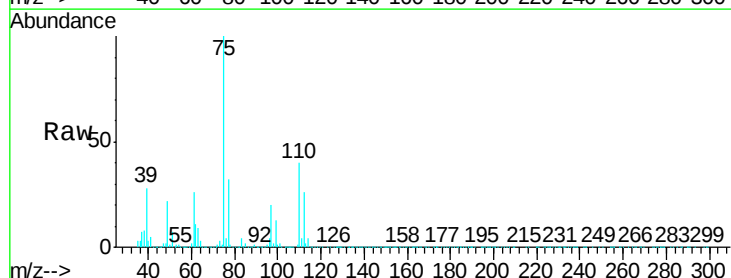
Acq: 04 Nov 2019 11:48

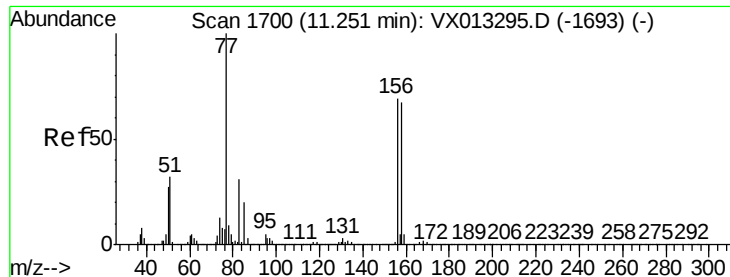
Tgt Ion: 75 Resp: 531401

Ion Ratio Lower Upper

75 100

77 44.8 22.3 66.8





#77

Bromobenzene

Concen: 50.158 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

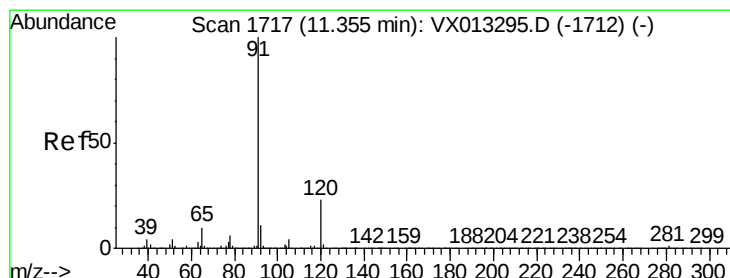
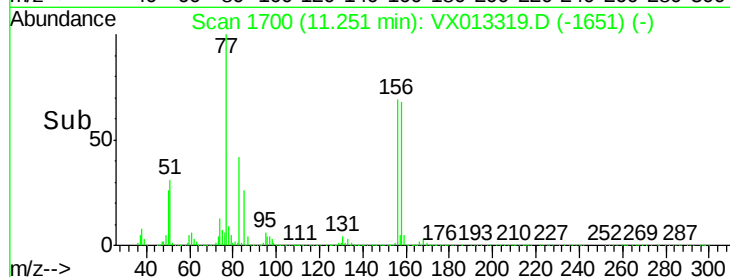
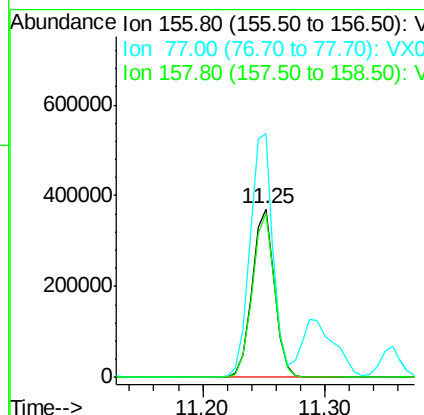
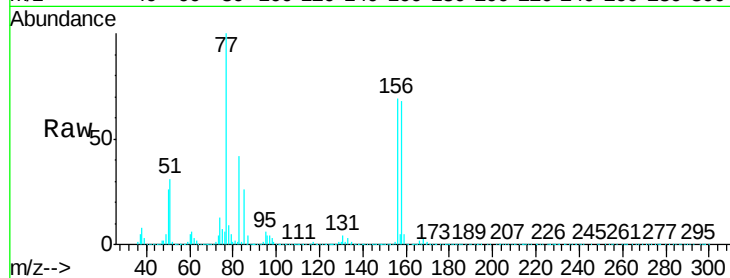
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	473373		
77	148.1	75.8	227.4	
158	97.7	47.6	142.8	

Manual Integrations
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#78

n-propylbenzene

Concen: 52.237 ug/l

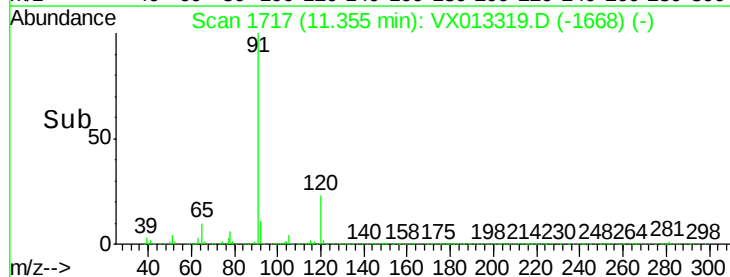
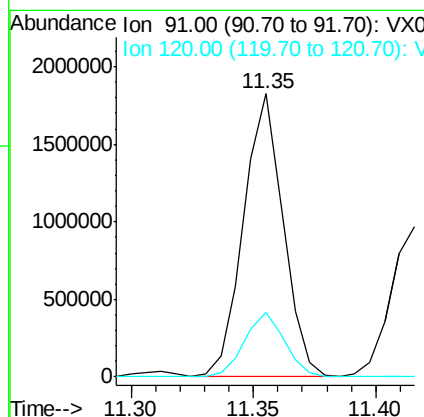
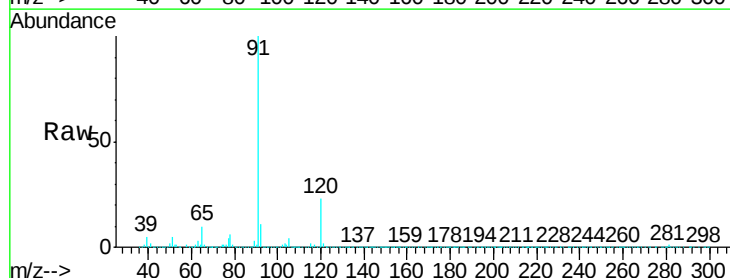
RT: 11.35 min Scan# 1717

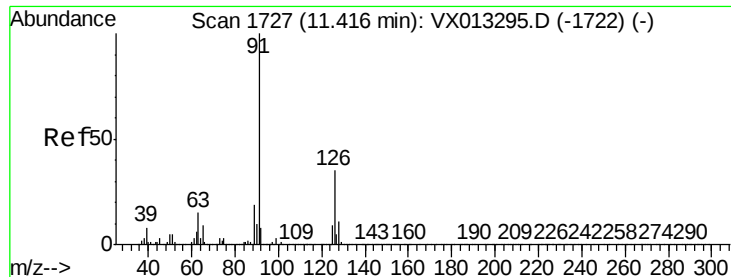
Delta R.T. 0.00 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2059973		
120	23.2	11.6	34.8	





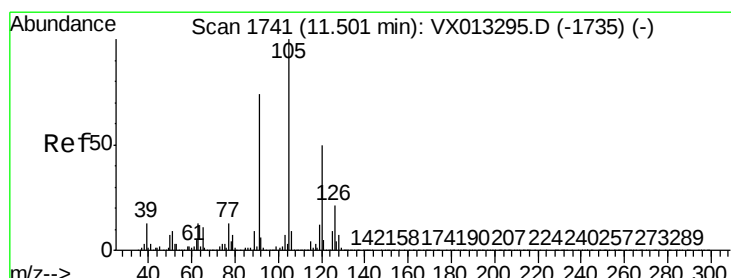
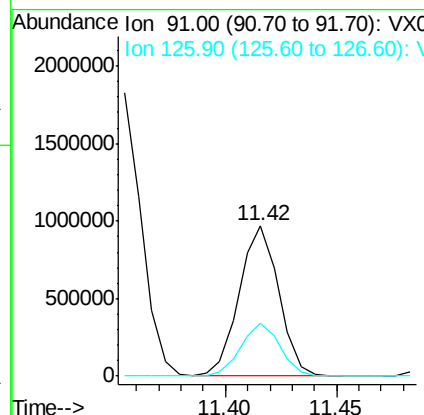
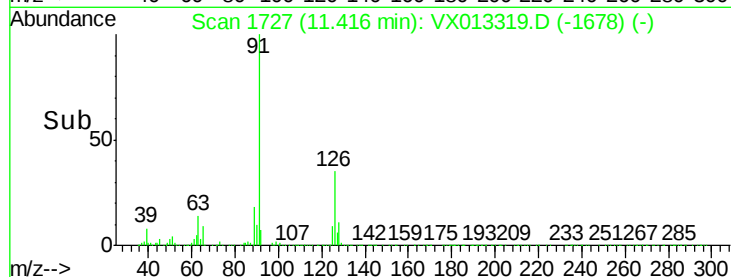
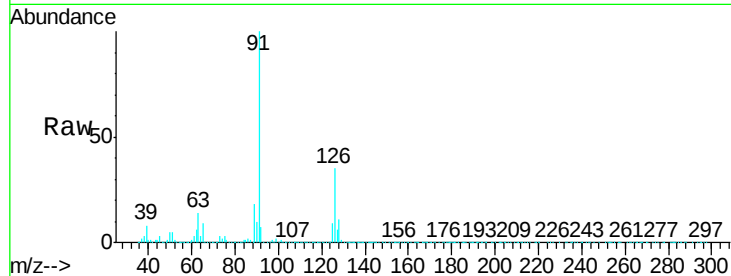
#79
 2-Chlorotoluene
 Concen: 50.288 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX013319.D
 Acq: 04 Nov 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 1194838
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.3 52.0

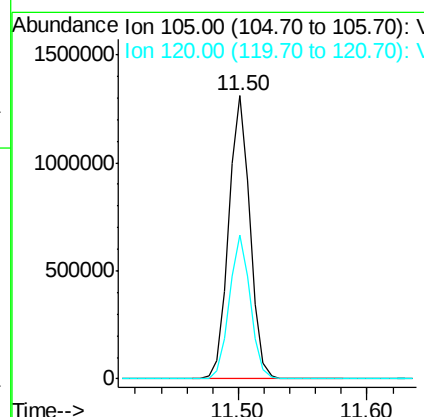
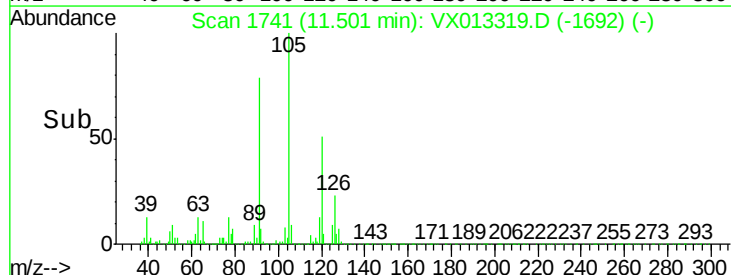
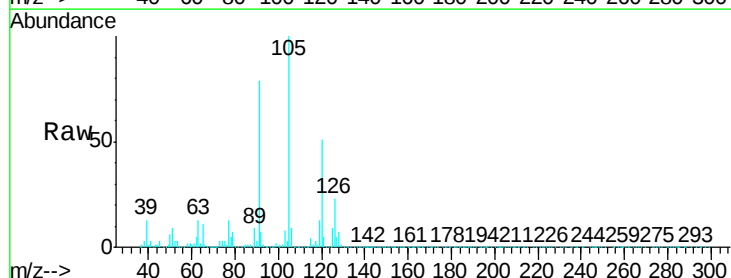
Manual Integrations
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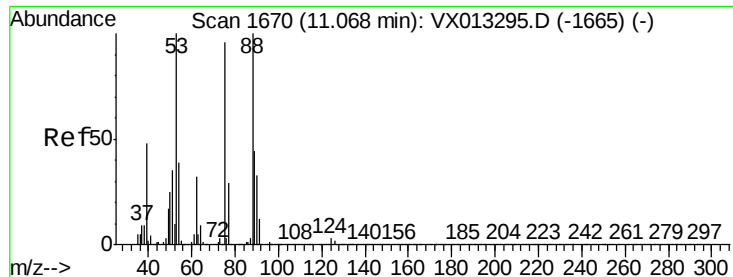
MMDadoda
 11/5/2019 10:37:01 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.660 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013319.D
 Acq: 04 Nov 2019 11:48

Tgt Ion: 105 Resp: 1523336
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.9 74.8





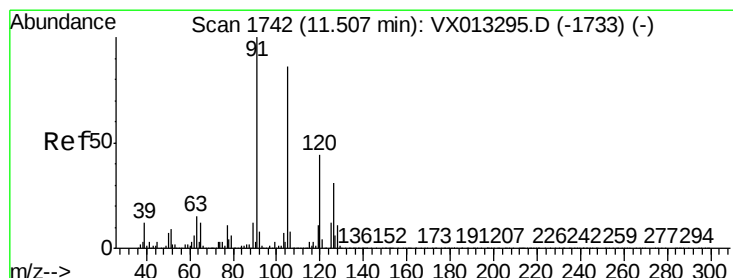
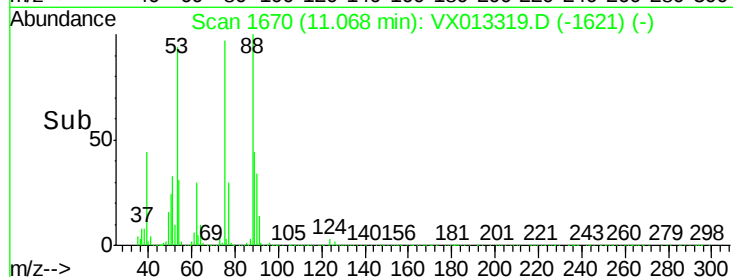
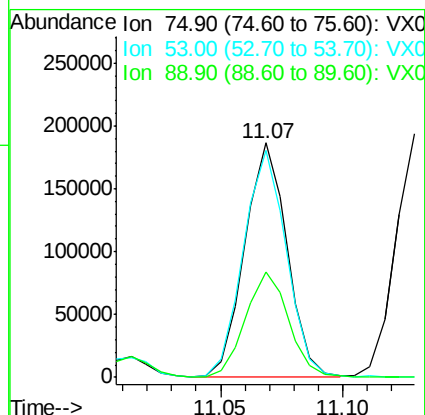
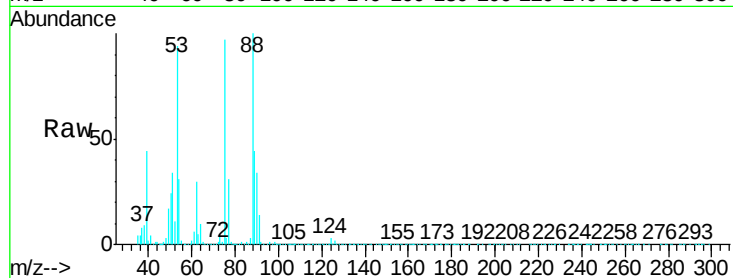
#81
trans-1,4-Dichloro-2-butene
Concen: 52.970 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	99.2	81.0	121.6
89	46.8	36.0	54.0

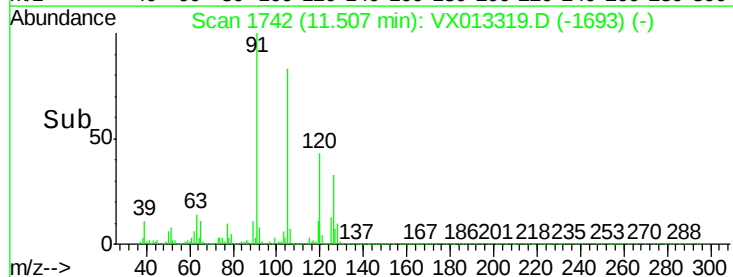
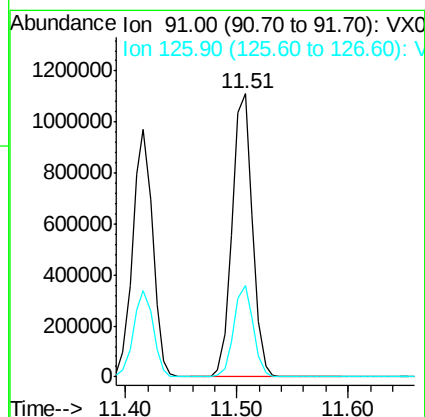
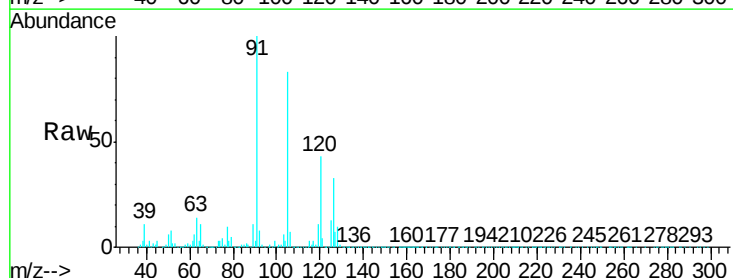
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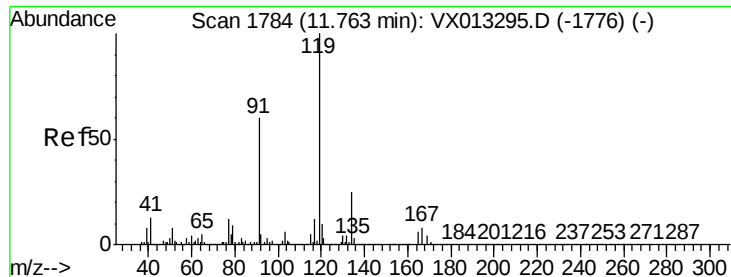
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.130 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.3	45.8





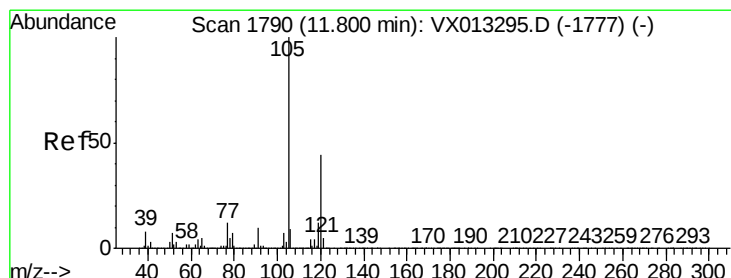
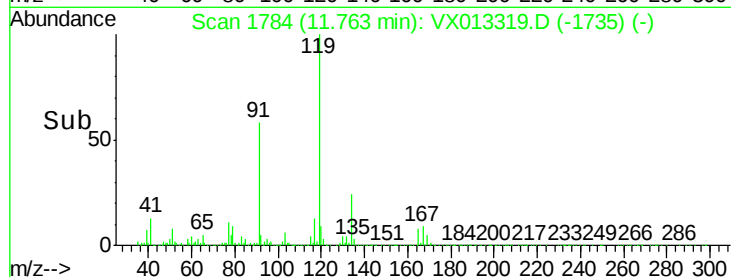
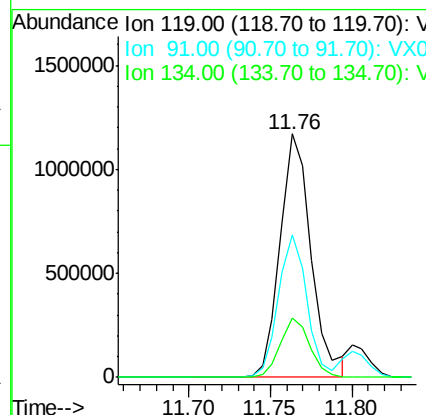
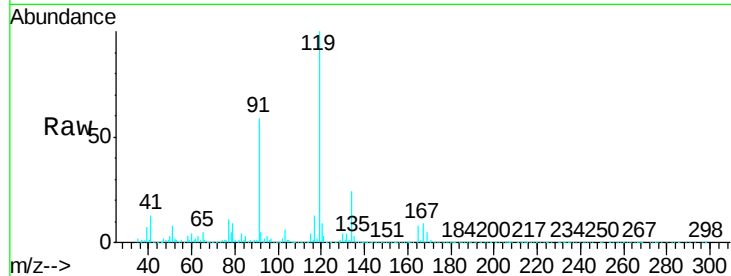
#83
tert-Butylbenzene
Concen: 52.192 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 1549248
Ion Ratio Lower Upper
119 100
91 53.8 26.9 80.7
134 23.1 11.7 35.1

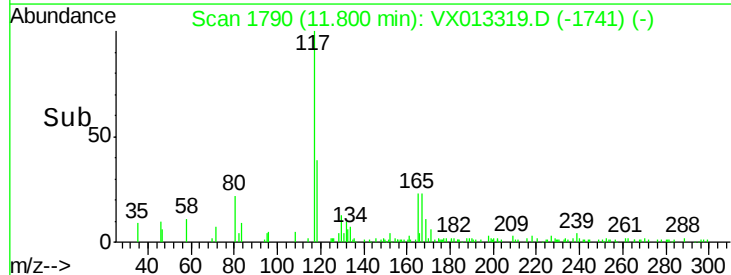
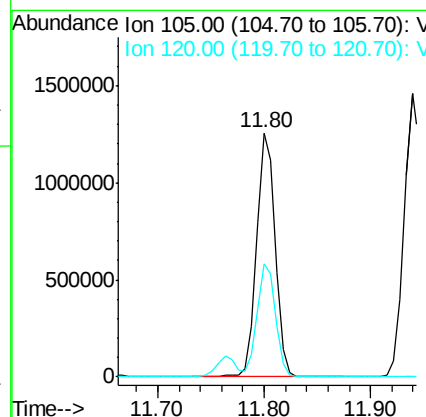
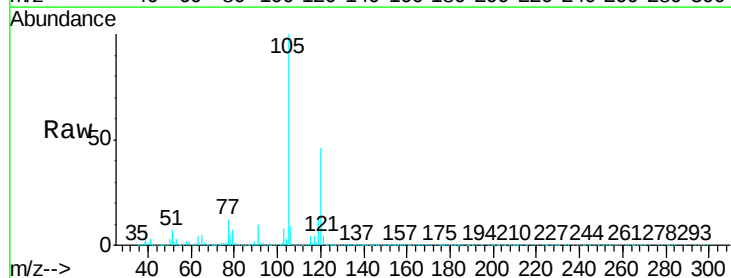
Manual Integrations
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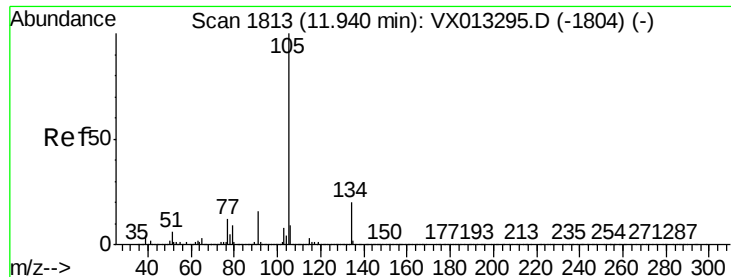
MMDadoda
11/5/2019 10:37:01 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.981 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion:105 Resp: 1537638
Ion Ratio Lower Upper
105 100
120 45.7 22.7 68.1





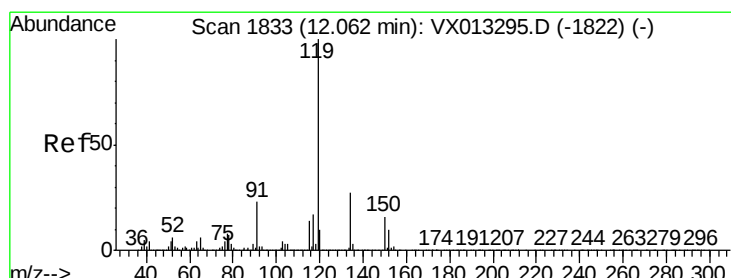
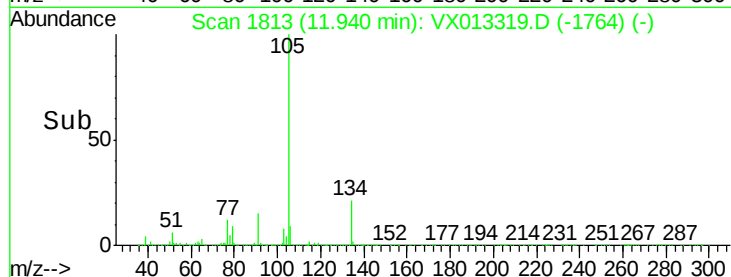
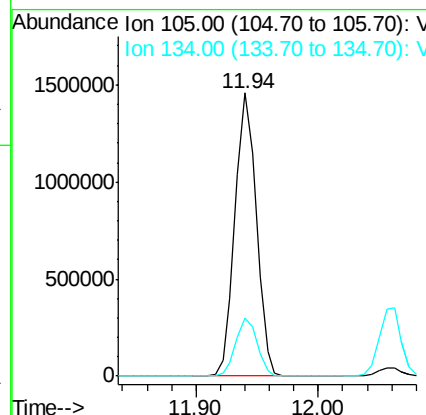
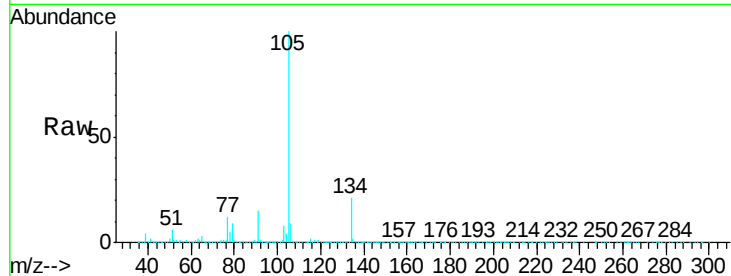
#85
 sec-Butylbenzene
 Concen: 51.500 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX013319.D
 Acq: 04 Nov 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1756954
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.9

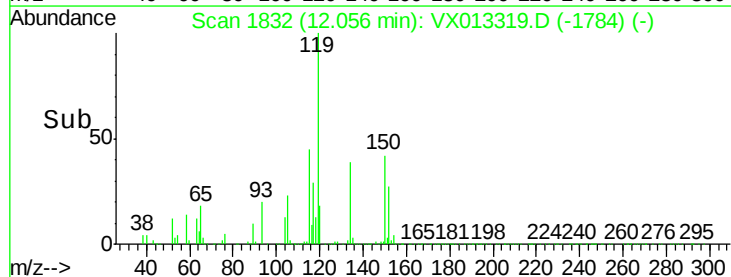
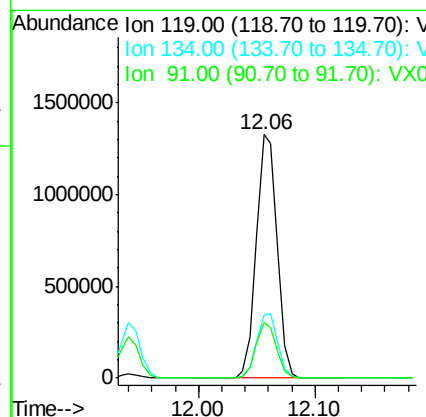
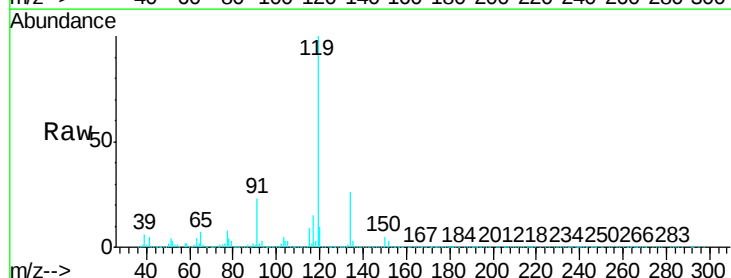
Manual Integrations
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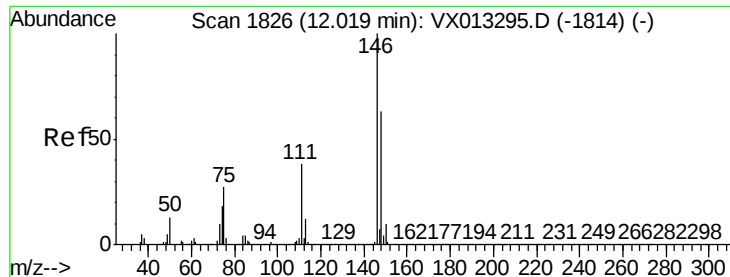
MMDadoda
 11/5/2019 10:37:01 AM



#86
 p-Isopropyltoluene
 Concen: 52.586 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX013319.D
 Acq: 04 Nov 2019 11:48

Tgt Ion:119 Resp: 1651941
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.3 39.8
 91 22.6 11.5 34.4





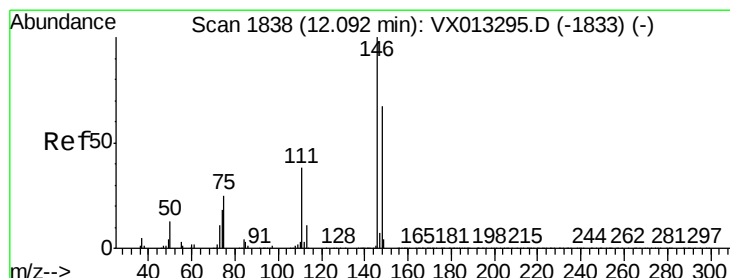
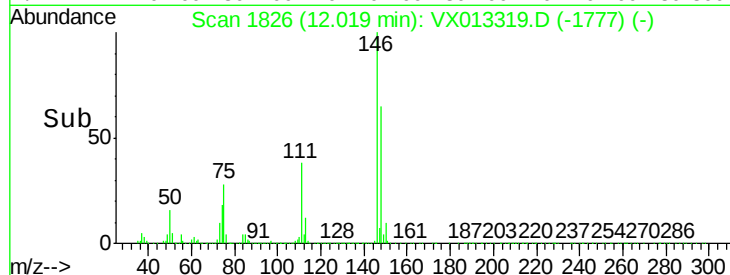
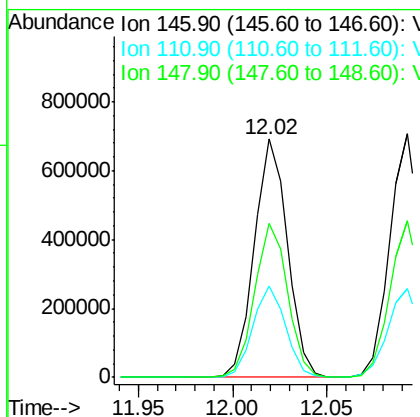
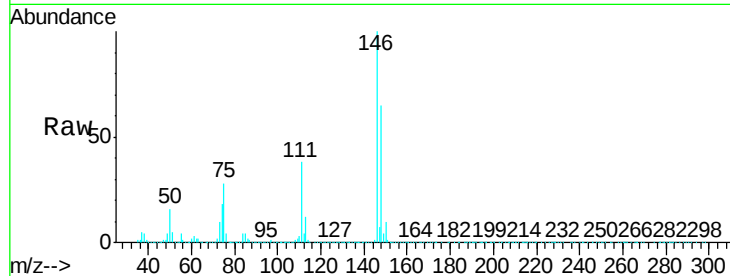
#87
 1,3-Dichlorobenzene
 Concen: 50.149 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013319.D
 Acq: 04 Nov 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.5
148	64.1	31.9	95.7

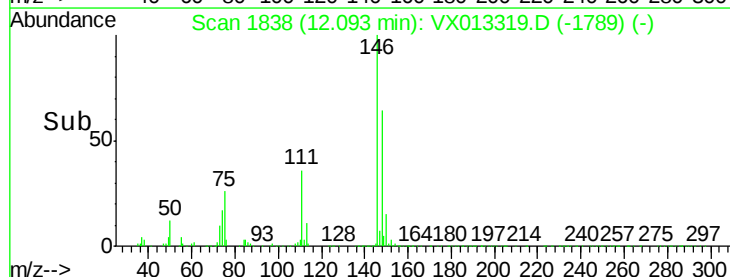
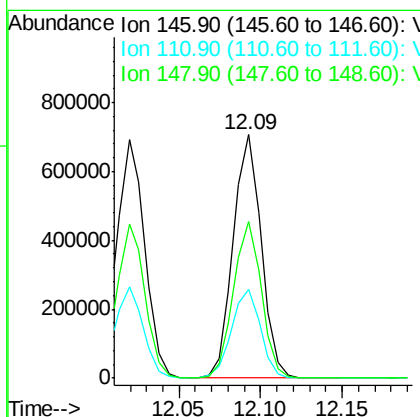
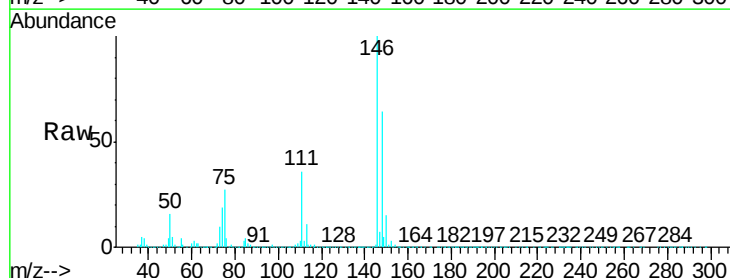
Manual Integrations
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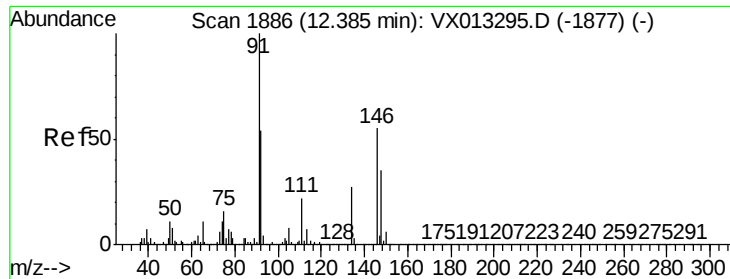
MMDadoda
 11/5/2019 10:37:01 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.235 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013319.D
 Acq: 04 Nov 2019 11:48

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





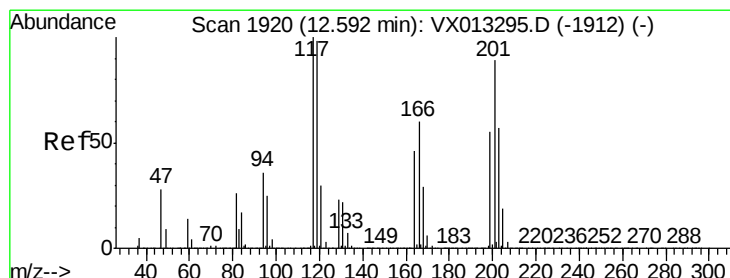
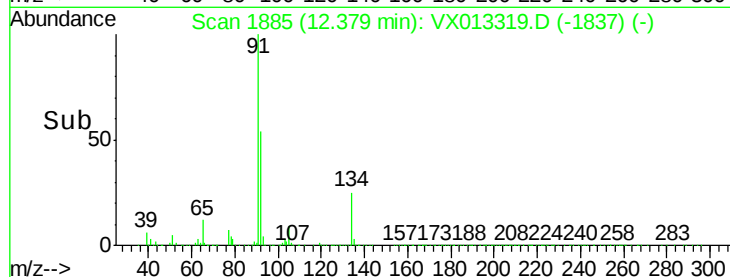
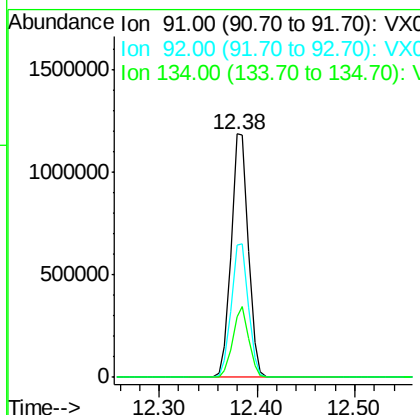
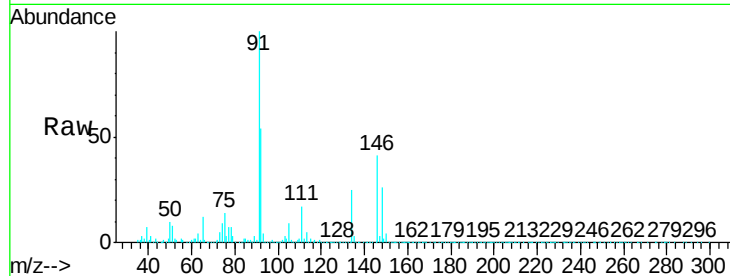
#89
n-Butylbenzene
Concen: 52.746 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1445835
Ion Ratio Lower Upper
91 100
92 54.7 27.3 81.8
134 27.0 13.5 40.5

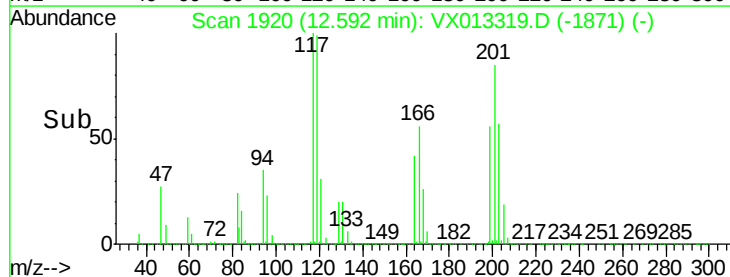
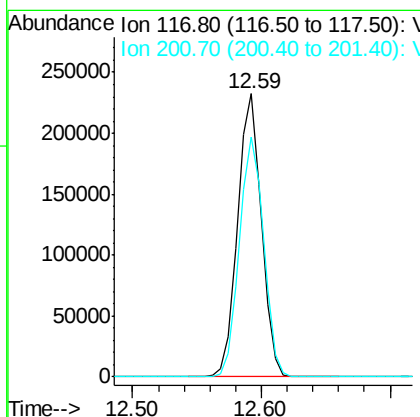
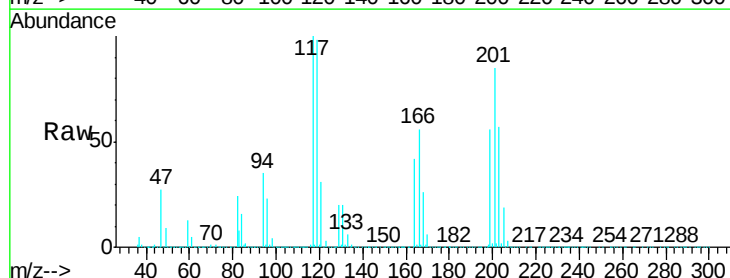
Manual Integrations
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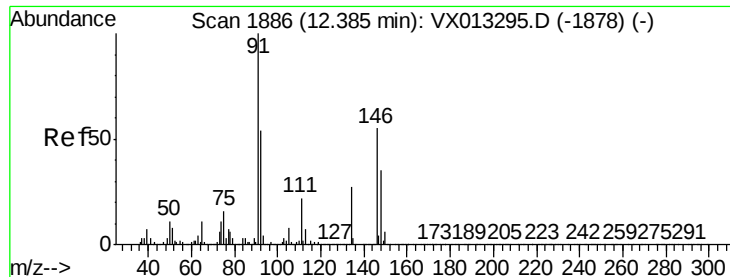
MMDadoda
11/5/2019 10:37:01 AM



#90
Hexachloroethane
Concen: 53.061 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion: 117 Resp: 296989
Ion Ratio Lower Upper
117 100
201 86.5 43.9 131.7





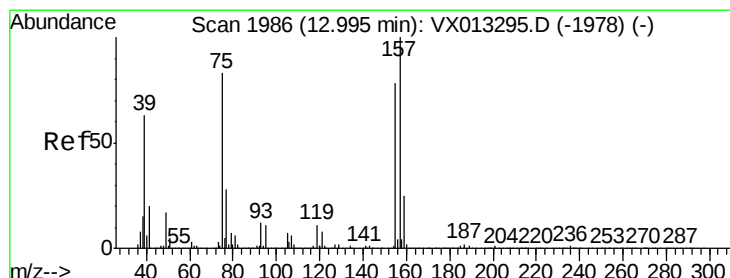
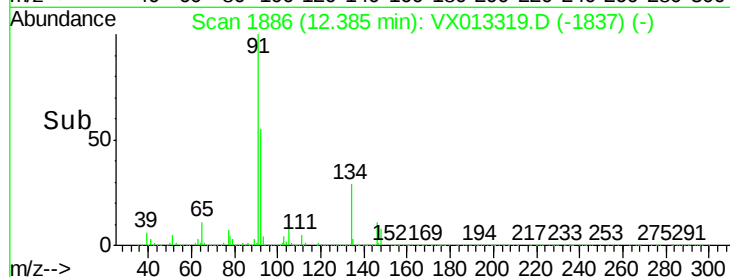
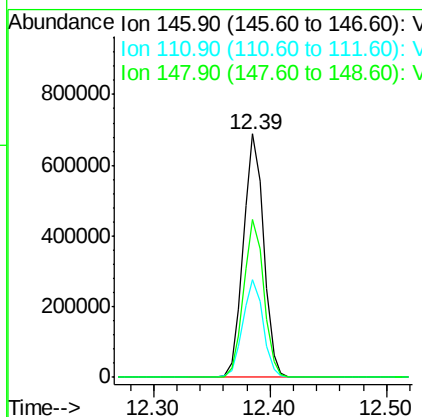
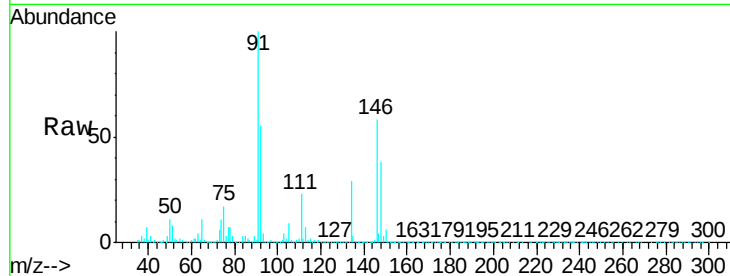
#91
 1,2-Dichlorobenzene
 Concen: 50.230 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013319.D
 Acq: 04 Nov 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	844669		
111	39.9	20.1	60.2	
148	64.4	32.0	96.0	

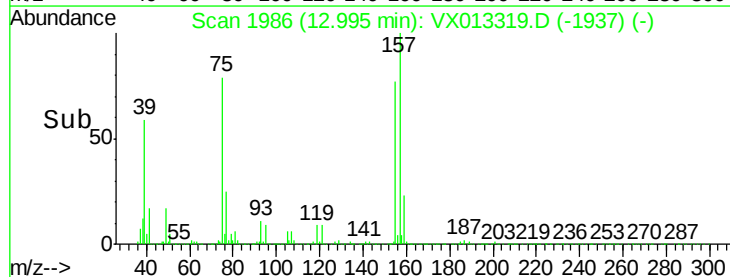
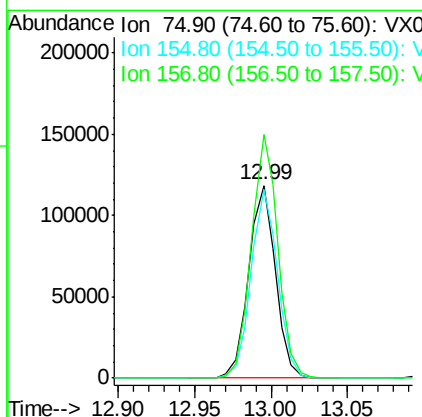
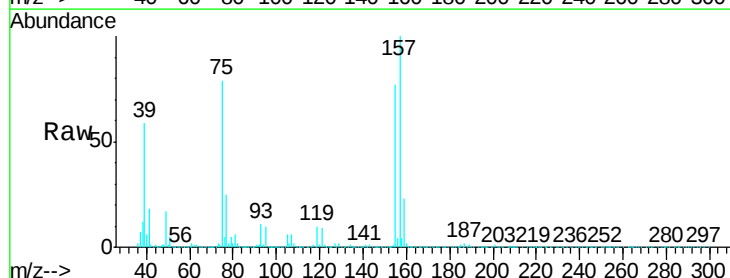
Manual Integrations
 APPROVED

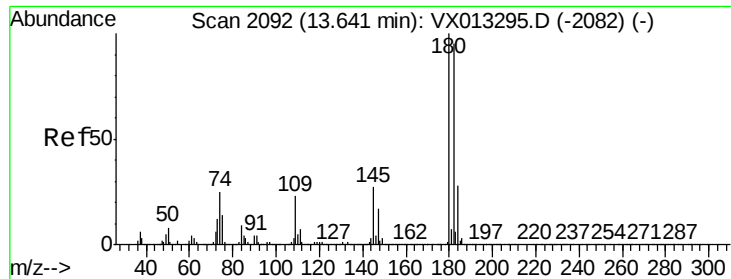
MMDadoda
 11/5/2019 10:37:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.410 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013319.D
 Acq: 04 Nov 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142885		
155	97.6	47.1	141.4	
157	126.1	61.3	183.8	





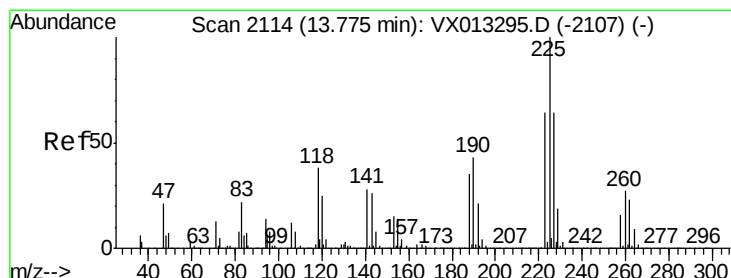
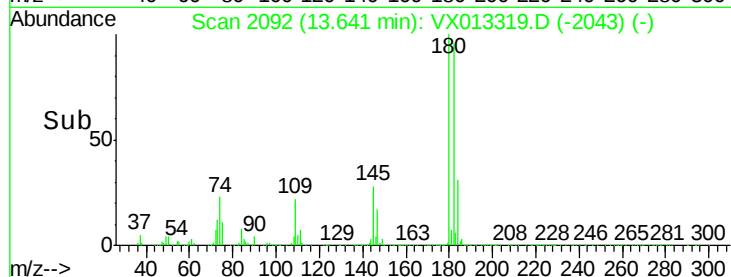
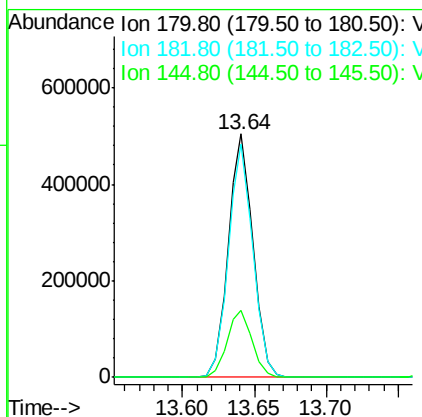
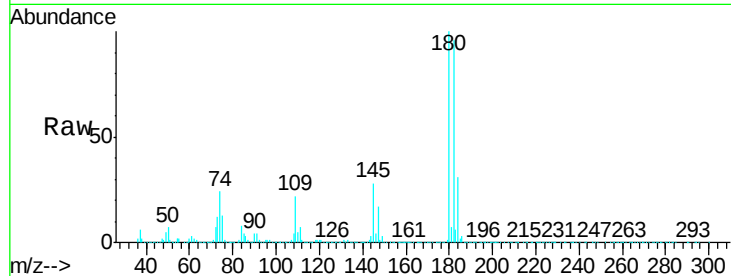
#93
1,2,4-Trichlorobenzene
Concen: 51.634 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	605664		
182	95.2	48.4	145.0	
145	27.9	14.1	42.4	

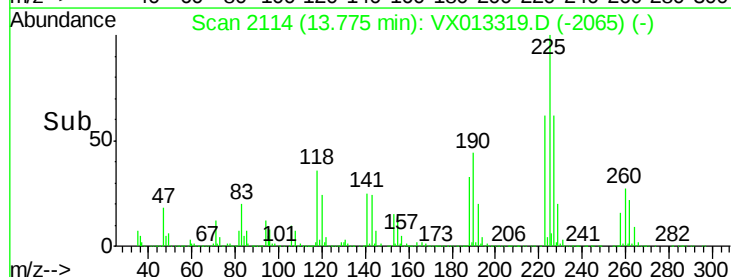
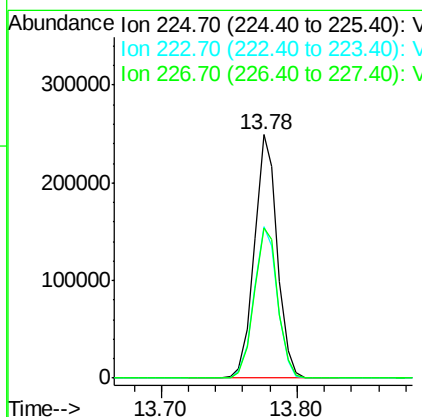
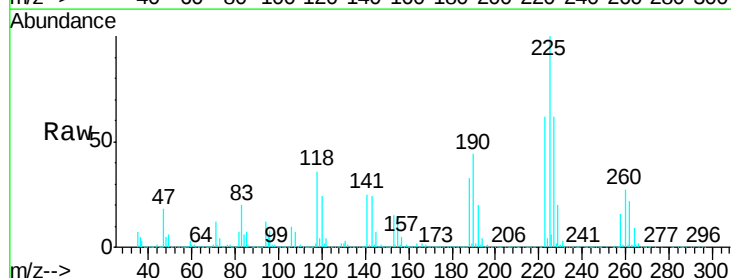
Manual Integrations
APPROVED

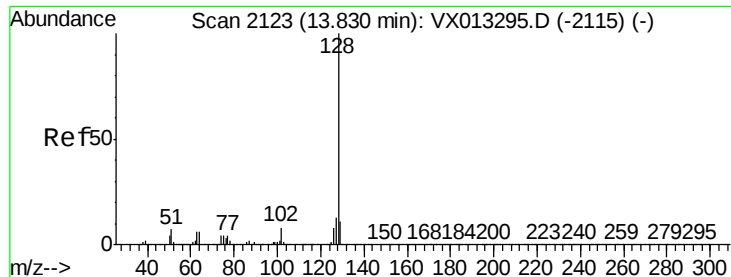
MMDadoda
11/5/2019 10:37:01 AM



#94
Hexachlorobutadiene
Concen: 51.266 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX013319.D
Acq: 04 Nov 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	294197		
223	63.7	31.9	95.7	
227	64.0	31.9	95.9	





#95

Naphthalene

Concen: 52.048 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Instrument :

MSVOA_X

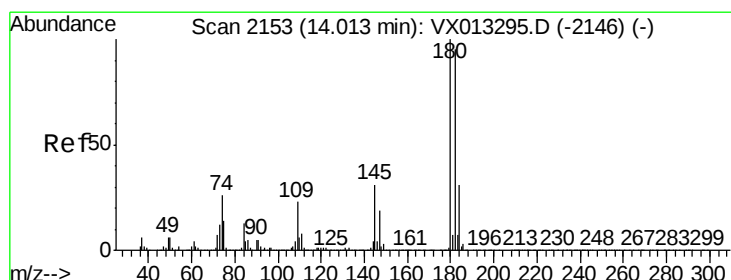
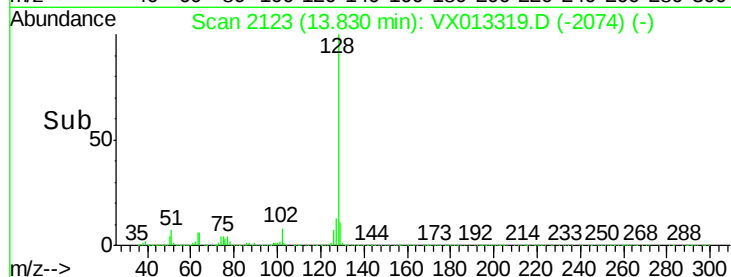
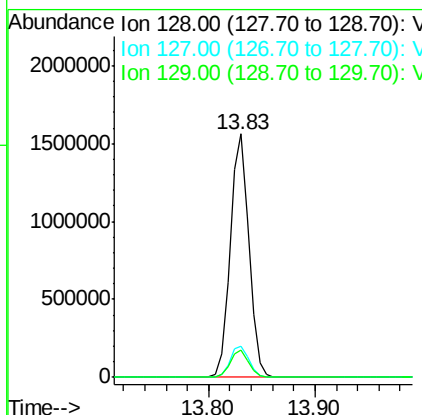
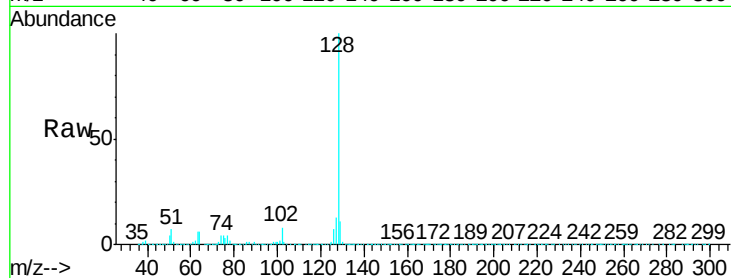
ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	1915501
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
11/5/2019 10:37:01 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.508 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX013319.D

Acq: 04 Nov 2019 11:48

Tgt Ion:	180	Resp:	605915
Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.0	144.2
145	29.8	15.4	46.4

