

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013153.D
 Acq On : 21 Oct 2019 14:09
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 12:30:24 PM

Quant Time: Oct 22 01:53:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:38:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	24812	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	151898	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	139544	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	60578	31.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.60%
60) 4-Bromofluorobenzene	11.14	95	75874	31.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.57%
63) Toluene-d8	8.71	98	182010	28.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	272243	159.666	ug/l 98
3) Chloromethane	1.31	50	243864	149.461	ug/l 95
4) Vinyl Chloride	1.40	62	252012	152.888	ug/l 97
5) Bromomethane	1.62	94	123509	157.736	ug/l 100
6) Chloroethane	1.70	64	147423	146.386	ug/l 100
7) Trichlorofluoromethane	1.91	101	392580	159.776	ug/l 98
8) Diethyl Ether	2.18	74	135001	152.869	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	239632	156.281	ug/l 97
10) 1,1-Dichloroethene	2.36	96	232516	154.256	ug/l 95
11) Methyl Iodide	2.50	142	332791	177.805	ug/l 99
12) Methyl Acetate	2.76	43	296015	141.650	ug/l 97
13) Acrolein	2.28	56	237994	778.950	ug/l 98
14) Acrylonitrile	3.14	53	624285	716.581	ug/l 99
15) Acetone	2.44	58	186719	628.237	ug/l 96
16) Carbon Disulfide	2.56	76	645021	158.555	ug/l 98
17) Allyl chloride	2.72	41	373026	147.453	ug/l 99
18) Methylene Chloride	2.84	84	256871	149.907	ug/l 98
19) trans-1,2-Dichloroethene	3.16	96	248301	154.381	ug/l 96
20) Diisopropyl ether	3.84	45	708194	146.316	ug/l 97
21) 1,1-Dichloroethane	3.69	63	433402	153.758	ug/l 98
22) cis-1,2-Dichloroethene	4.58	96	282241	152.043	ug/l 99
23) tert-Butyl Alcohol	3.05	59	312503	704.266	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	807735	157.606	ug/l 97
25) Chloroform	5.20	83	451994	154.623	ug/l 99
26) Cyclohexane	5.57	56	384642	151.263	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	349202	148.729	ug/l # 86
30) 2-Butanone	4.66	43	879329	655.089	ug/l 98
31) 2,2-Dichloropropane	4.57	77	396296	150.113	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	419890	152.537	ug/l 99
33) Carbon Tetrachloride	5.78	117	369683	156.584	ug/l 97
34) Benzene	6.13	78	998494	144.916	ug/l 98
35) Methacrylonitrile	5.03	41	190392	143.215	ug/l 97
36) 1,2-Dichloroethane	6.18	62	368235	146.287	ug/l 99
37) Trichloroethene	7.20	130	278168	149.731	ug/l 98
38) Methylcyclohexane	7.46	83	433563	151.804	ug/l 99
39) 1,2-Dichloropropane	7.51	63	247327	143.978	ug/l 100
40) Dibromomethane	7.65	93	177849	149.738	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	369424	156.722	ug/l	98
42) Vinyl Acetate	3.81	43	3145458	705.773	ug/l	100
43) Ethyl Acetate	4.83	43	332525	136.488	ug/l	99
44) Isopropyl Acetate	6.43	43	566060	143.676	ug/l	98
45) 1,4-Dioxane	7.73	88	136608	2772.596	ug/l	98
46) Methyl methacrylate	7.76	41	281054	144.745	ug/l	95
47) n-amyl Acetate	10.89	43	507651	151.199	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	422443	162.142	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	443789	154.994	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	259439	145.600	ug/l	98
51) Ethyl methacrylate	9.17	69	434362	155.208	ug/l	98
52) 1,3-Dichloropropane	9.37	76	435032	145.874	ug/l	100
53) Dibromochloromethane	9.58	129	300976	163.434	ug/l	99
54) 1,2-Dibromoethane	9.67	107	279095	149.036	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	891678	740.595	ug/l	99
56) Bromoform	10.85	173	225803	175.742	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	1709323	679.704	ug/l	100
59) 2-Hexanone	9.49	43	1314968	671.373	ug/l	100
61) Tetrachloroethene	9.33	164	249885	139.494	ug/l	98
62) Toluene	8.78	91	1089539	143.613	ug/l	100
64) Chlorobenzene	10.14	112	706841	146.502	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	273079	153.178	ug/l	99
66) Ethyl Benzene	10.25	91	1285934	148.061	ug/l	98
67) m/p-Xylenes	10.35	106	971064	296.603	ug/l	99
68) o-Xylene	10.70	106	466813	147.908	ug/l	95
69) Styrene	10.71	104	832235	151.848	ug/l	99
70) Isopropylbenzene	11.01	105	1269627	148.561	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	382887	140.189	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	363596m	153.723	ug/l	
73) Bromobenzene	11.25	156	308415	151.656	ug/l	99
74) n-propylbenzene	11.35	91	1462932	154.391	ug/l	100
75) 2-Chlorotoluene	11.42	91	894753	152.475	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	1109843	153.645	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	148519	165.686	ug/l	92
78) 4-Chlorotoluene	11.51	91	1043400	154.904	ug/l	99
79) tert-butylbenzene	11.76	119	1078046	158.771	ug/l	95
80) 1,2,4-Trimethylbenzene	11.81	105	1114865	155.193	ug/l	98
81) sec-Butylbenzene	11.94	105	1281524	155.580	ug/l	99
82) p-Isopropyltoluene	12.06	119	1182216	157.108	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	582017	158.549	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	571144	154.152	ug/l	98
85) n-Butylbenzene	12.39	91	1059714	165.866	ug/l	98
86) Hexachloroethane	12.59	117	222327	170.922	ug/l	93
87) 1,2-Dichlorobenzene	12.39	146	554196	152.045	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	97285	150.680	ug/l	93
89) 1,2,4-Trichlorobenzene	13.64	180	365647	161.704	ug/l	99
90) Hexachlorobutadiene	13.78	225	173210	159.291	ug/l	98
91) Naphthalene	13.83	128	1169404	153.219	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	358035	157.023	ug/l	97

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ClientSampleId :
VSTDICC150

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

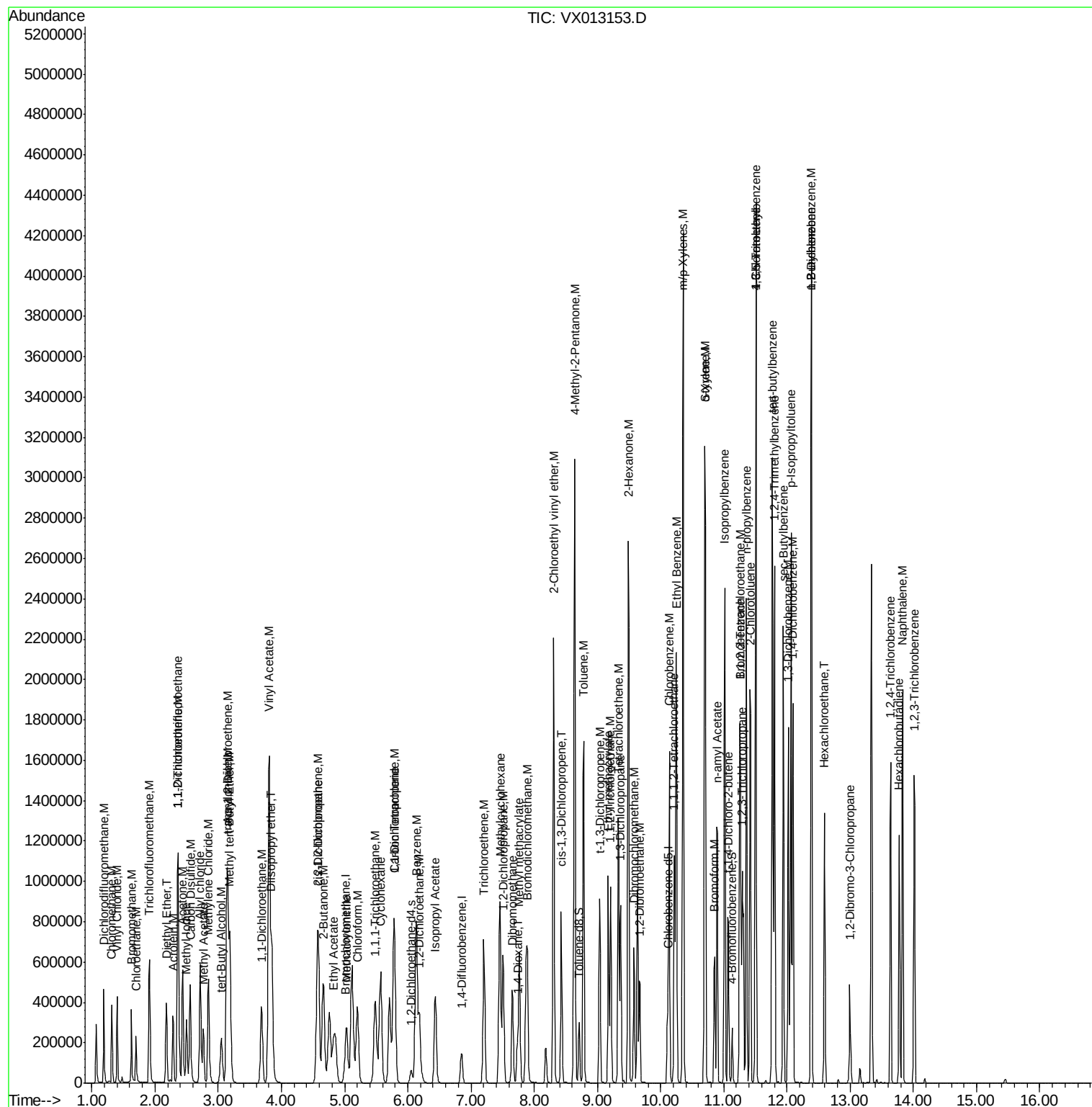
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102119\
Data File : VX013153.D
Acq On : 21 Oct 2019 14:09
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

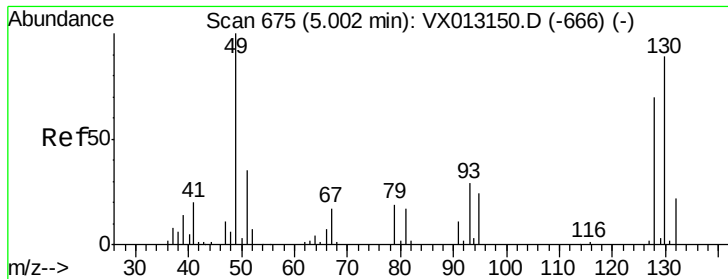
Instrument :
MSVOA_X
ClientSampleID :
VSTDIC150

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 24812

Ion Ratio Lower Upper

128 100

49 155.9 0.0 367.3

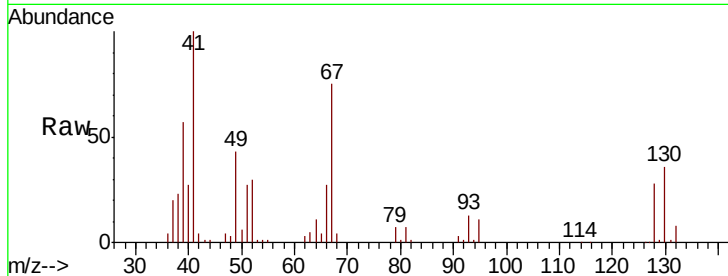
130 130.7 0.0 325.0

Manual Integrations

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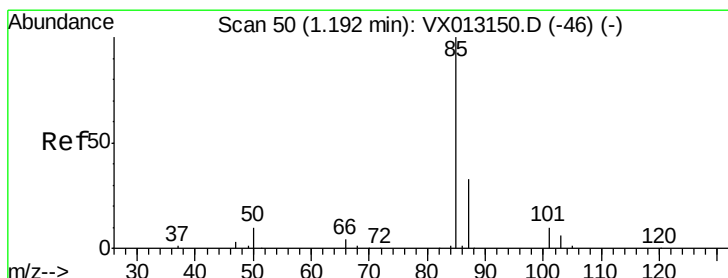
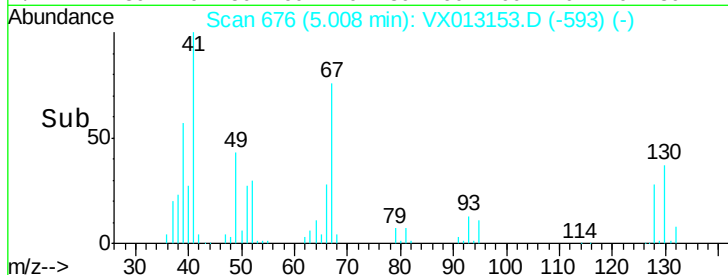
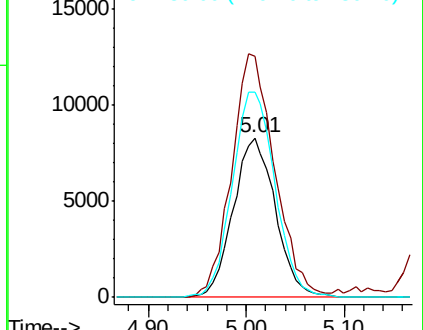
10/22/2019 12:30:24 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 159.666 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX013153.D

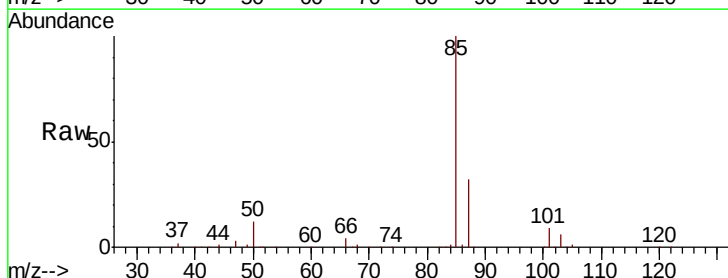
Acq: 21 Oct 2019 14:09

Tgt Ion: 85 Resp: 272243

Ion Ratio Lower Upper

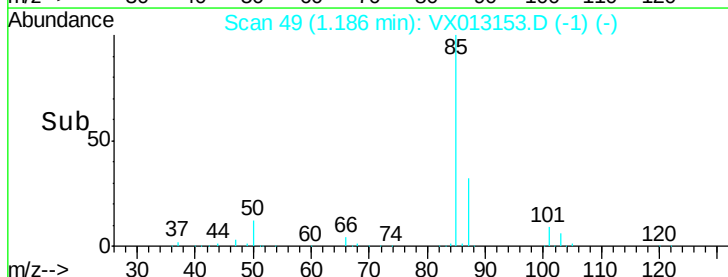
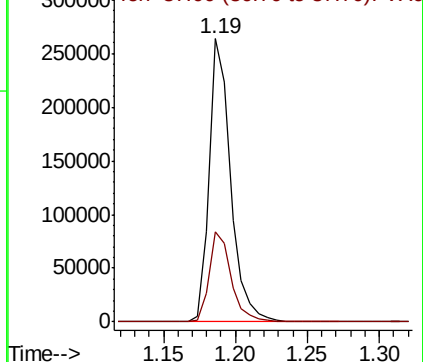
85 100

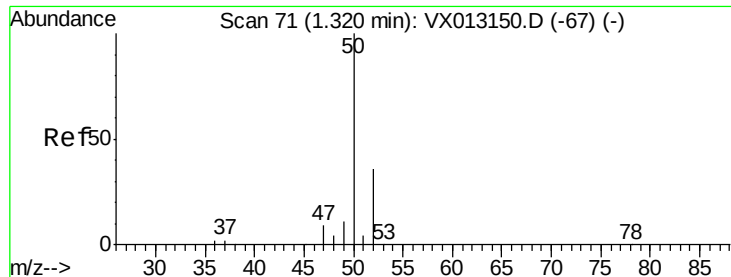
87 32.0 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 149.461 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 243864

Ion Ratio Lower Upper

50 100

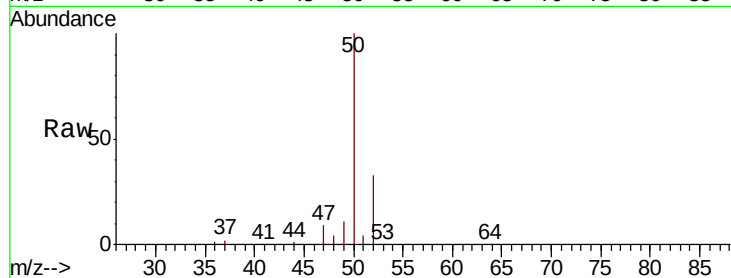
52 33.0 28.6 42.8

Manual Integrations

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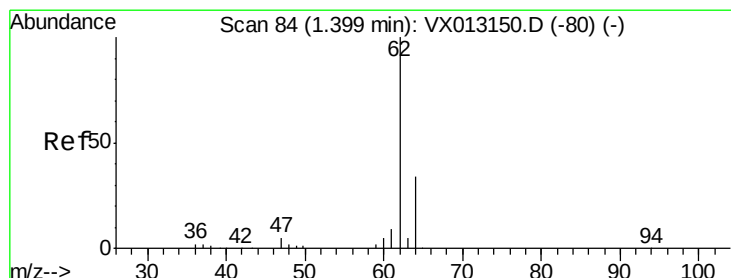
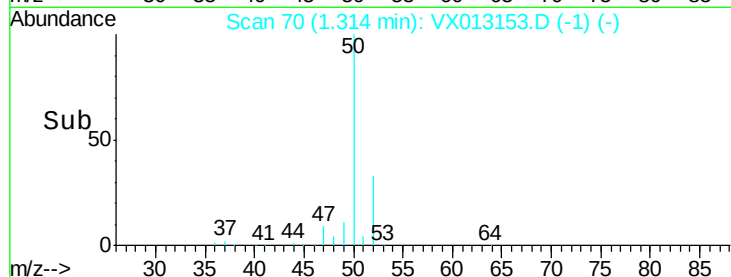
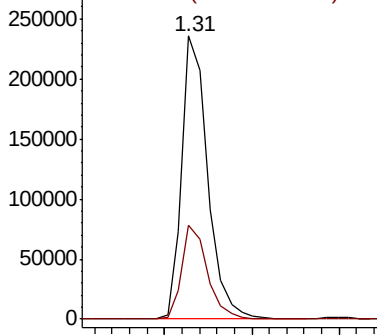
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 152.888 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013153.D

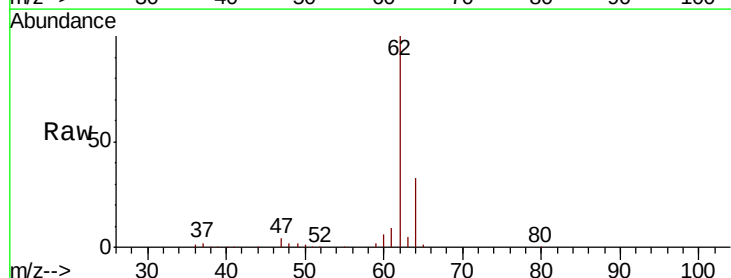
Acq: 21 Oct 2019 14:09

Tgt Ion: 62 Resp: 252012

Ion Ratio Lower Upper

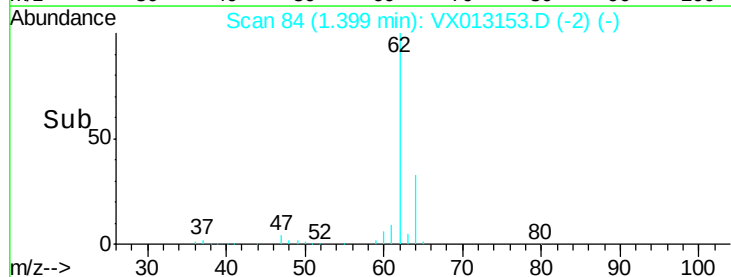
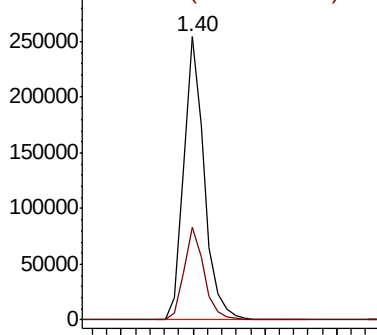
62 100

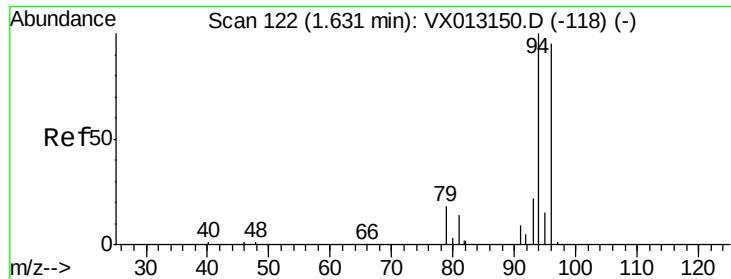
64 32.5 27.3 40.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 157.736 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 123509

Ion Ratio Lower Upper

94 100

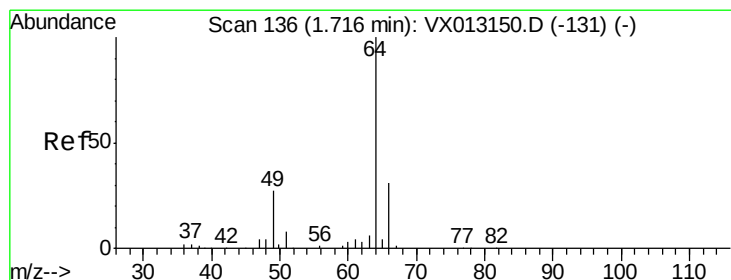
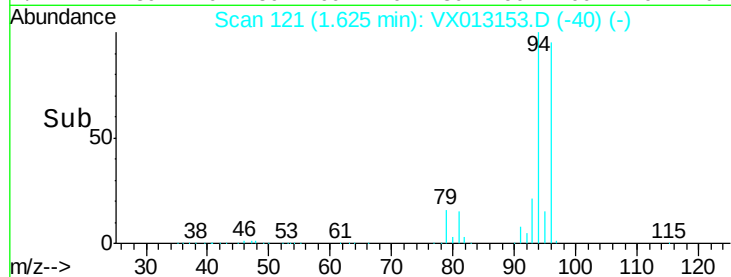
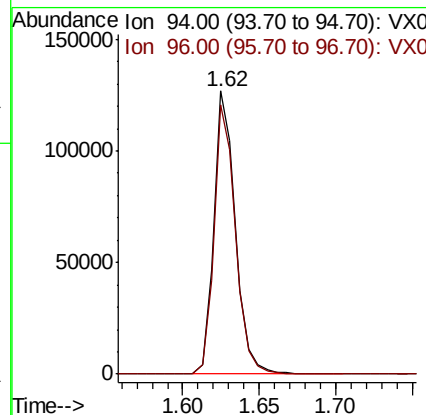
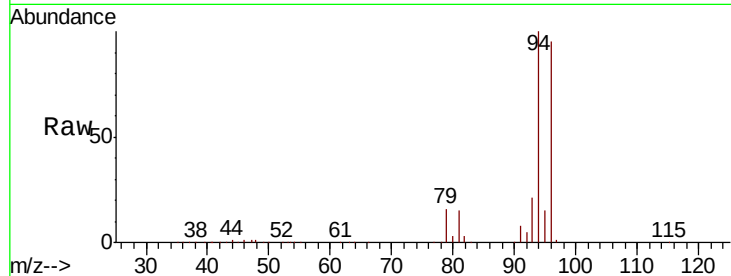
96 95.2 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 146.386 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.02 min

Lab File: VX013153.D

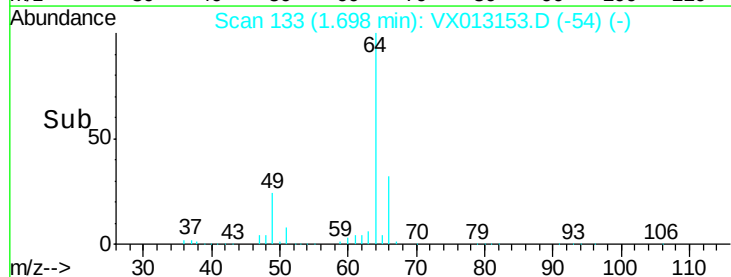
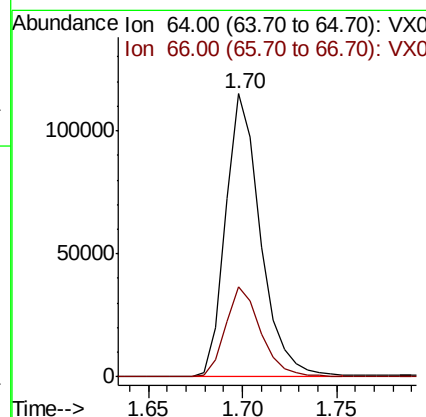
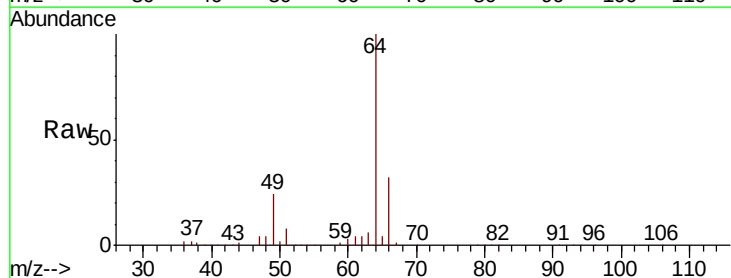
Acq: 21 Oct 2019 14:09

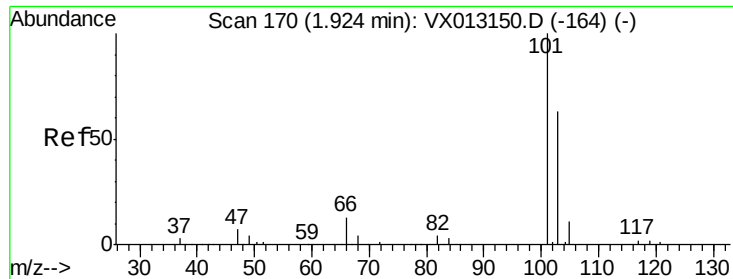
Tgt Ion: 64 Resp: 147423

Ion Ratio Lower Upper

64 100

66 31.8 25.4 38.2





#7

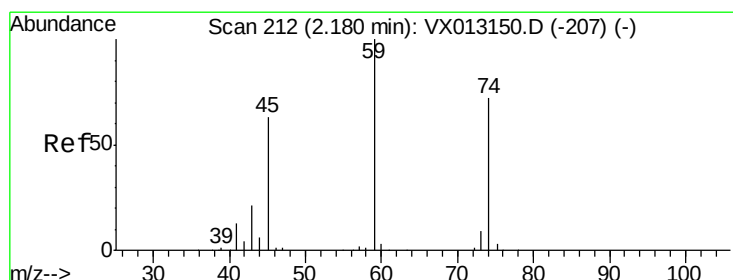
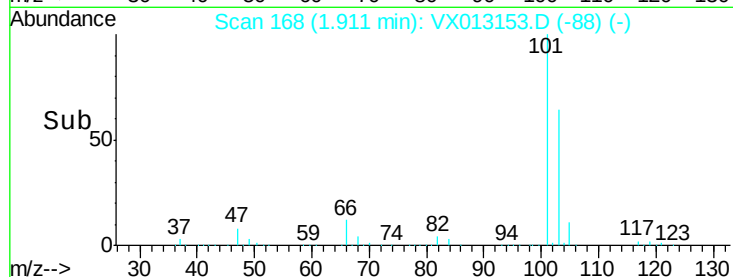
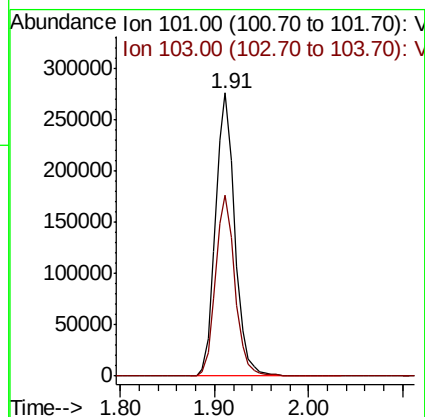
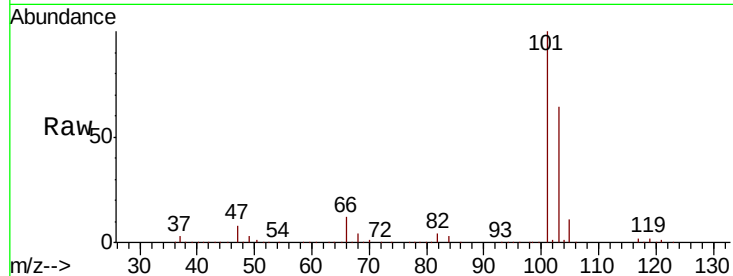
Trichlorofluoromethane
 Concen: 159.776 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 392580
 Ion Ratio Lower Upper
 101 100
 103 64.0 50.2 75.4

Manual Integrations
 APPROVED

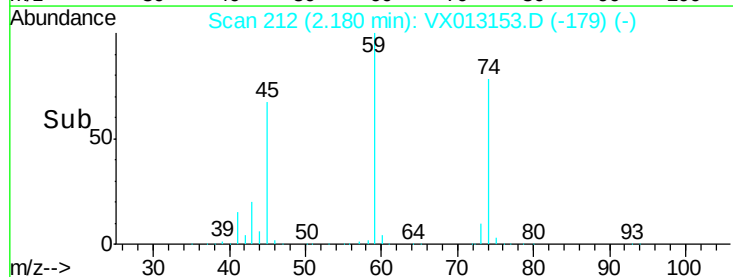
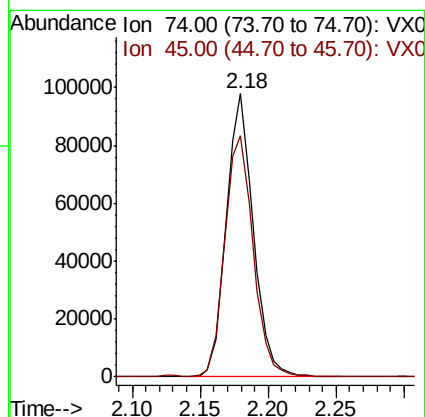
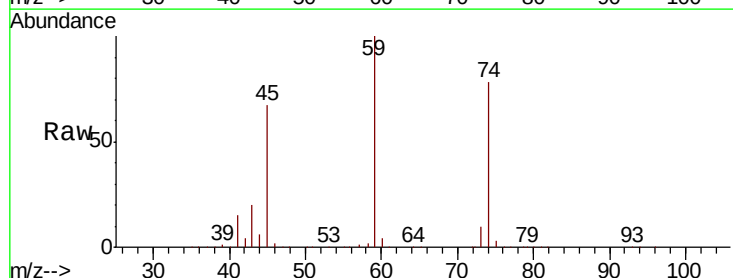
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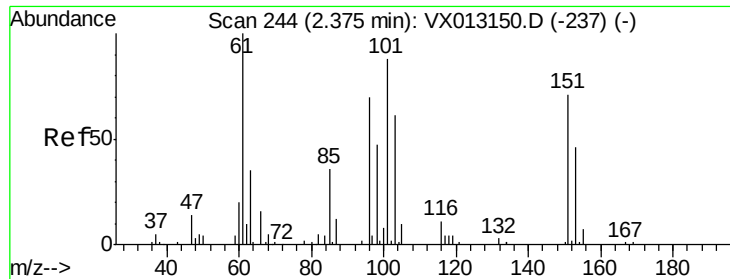


#8

Diethyl Ether
 Concen: 152.869 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Tgt Ion: 74 Resp: 135001
 Ion Ratio Lower Upper
 74 100
 45 89.5 18.4 165.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 156.281 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

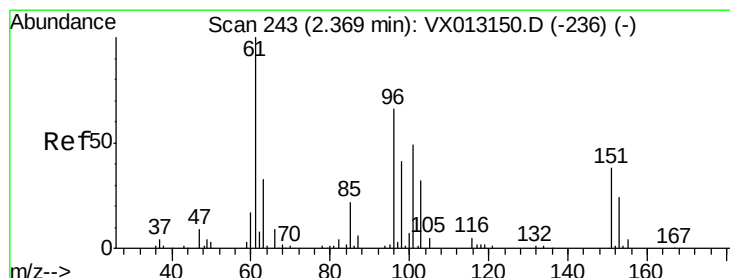
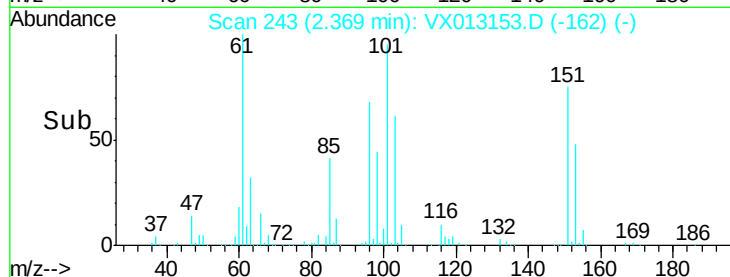
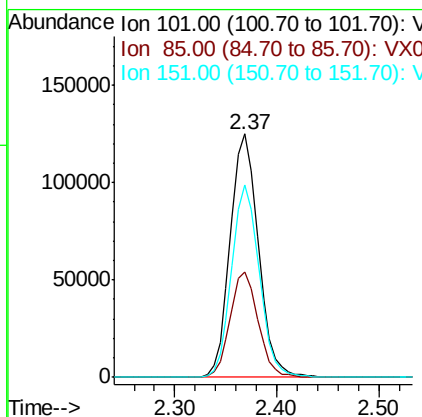
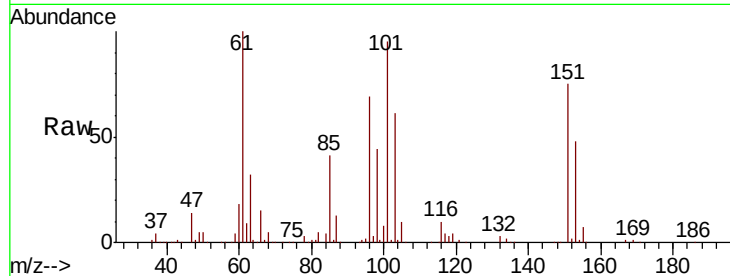
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	239632
Ion Ratio	Lower	Upper	
101	100		
85	43.1	0.0	87.2
151	77.6	0.0	163.0

Manual Integrations
APPROVED

MMDadoda
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#10

1,1-Dichloroethene

Concen: 154.256 ug/l

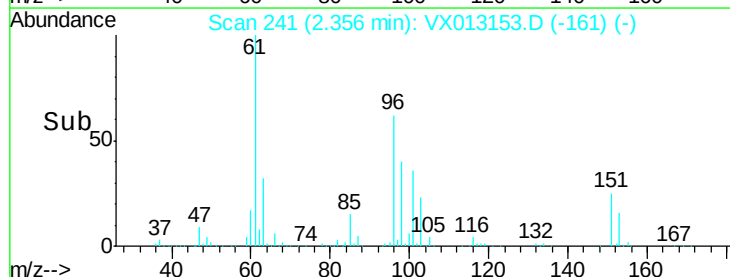
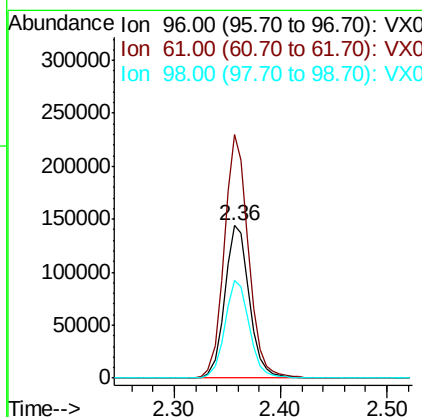
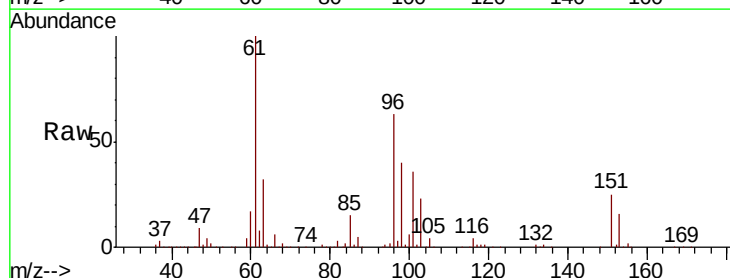
RT: 2.36 min Scan# 241

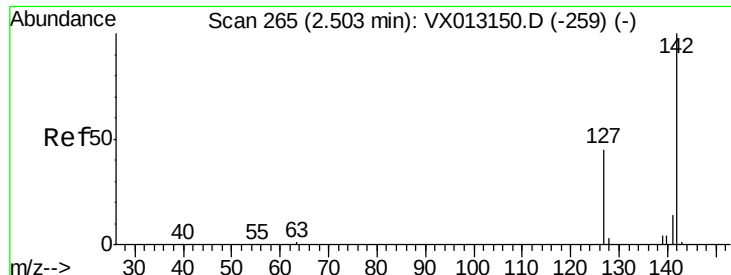
Delta R.T. -0.01 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Tgt Ion:	96	Resp:	232516
Ion Ratio	Lower	Upper	
96	100		
61	160.0	121.3	181.9
98	63.8	49.5	74.3





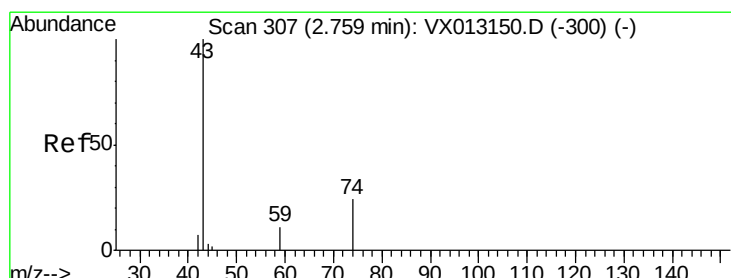
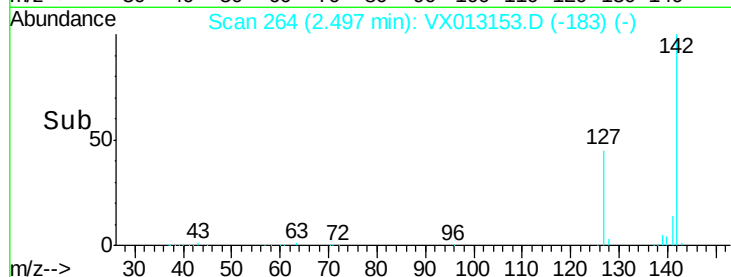
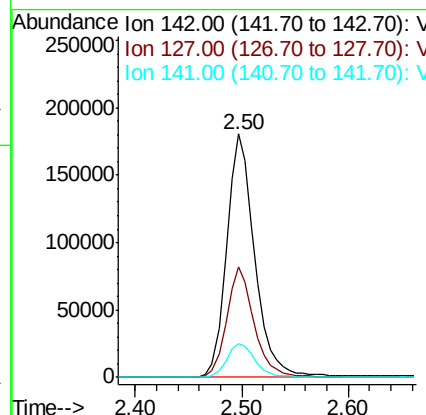
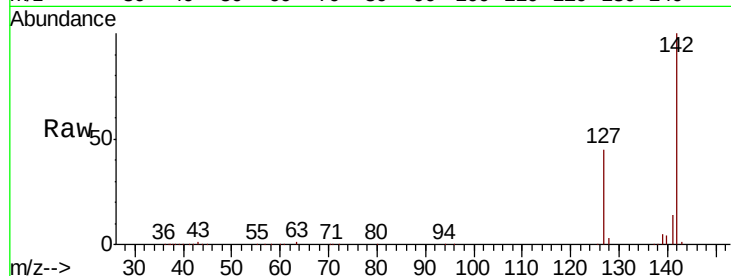
#11
Methyl Iodide
Concen: 177.805 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.2	22.3	66.9
141	13.9	7.1	21.3

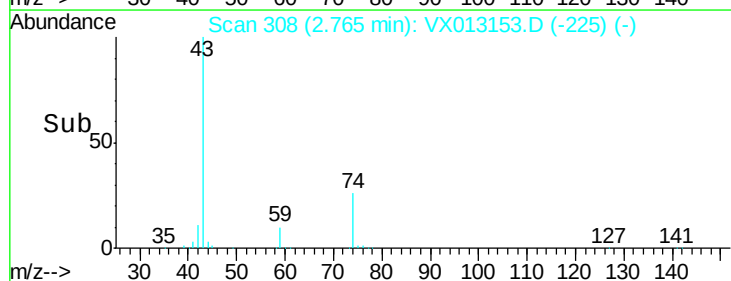
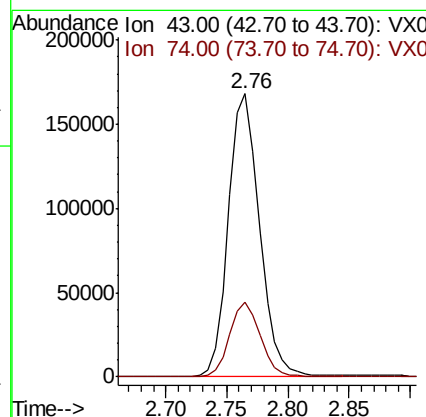
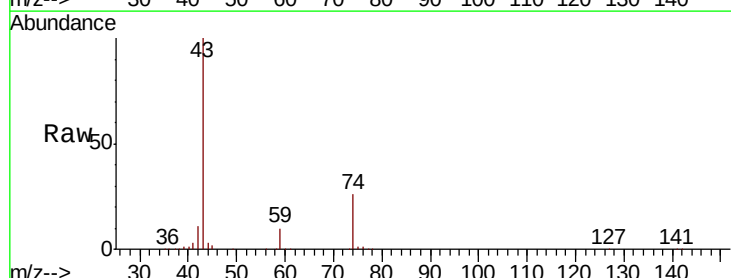
Manual Integrations
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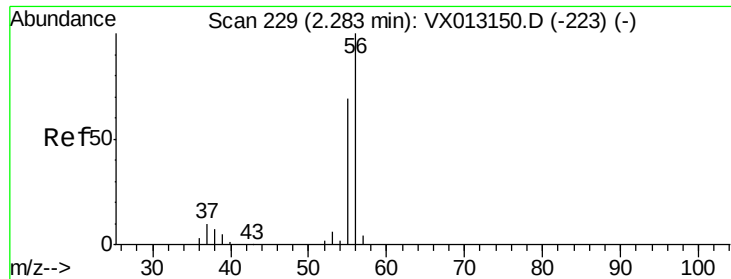
MMDadoda
10/22/2019 12:30:24 PM



#12
Methyl Acetate
Concen: 141.650 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	19.7	29.5





#13

Acrolein

Concen: 778.950 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 237994

Ion Ratio Lower Upper

56 100

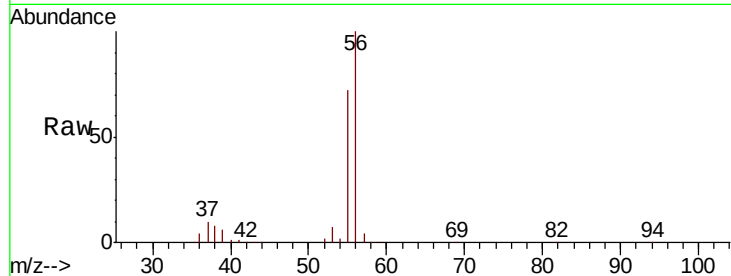
55 71.0 55.8 83.8

Manual Integrations

APPROVED

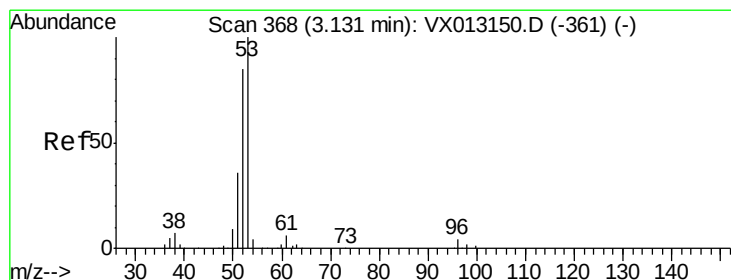
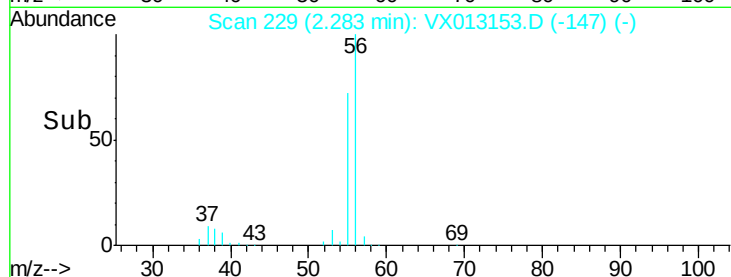
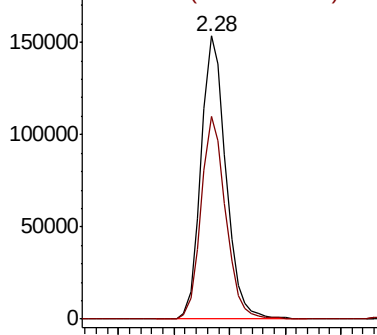
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 716.581 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

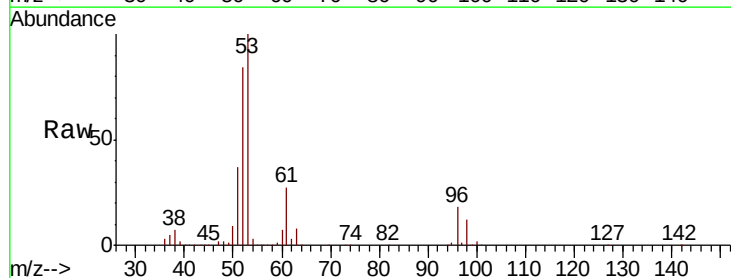
Tgt Ion: 53 Resp: 624285

Ion Ratio Lower Upper

53 100

52 83.0 42.0 126.0

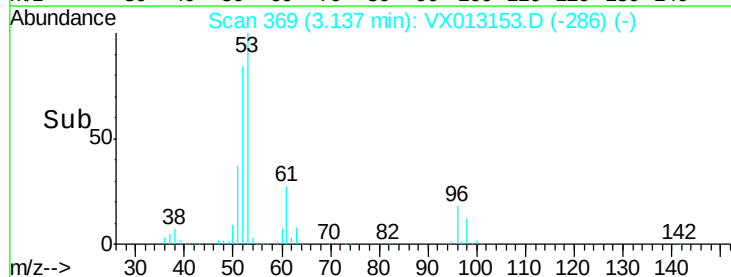
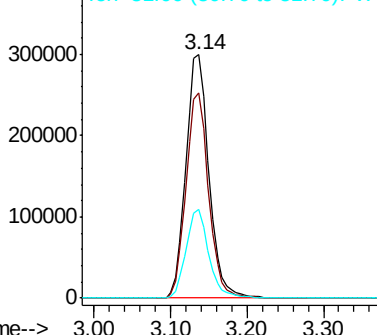
51 36.2 18.6 56.0

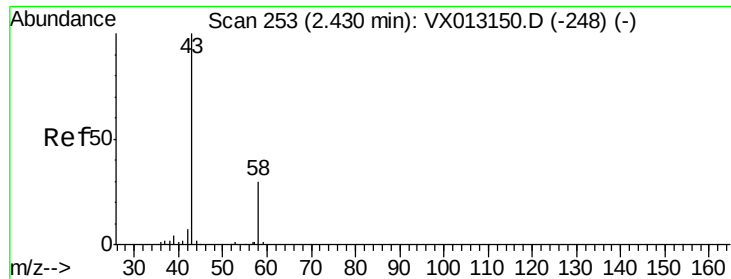


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 628.237 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 186719

Ion Ratio Lower Upper

58 100

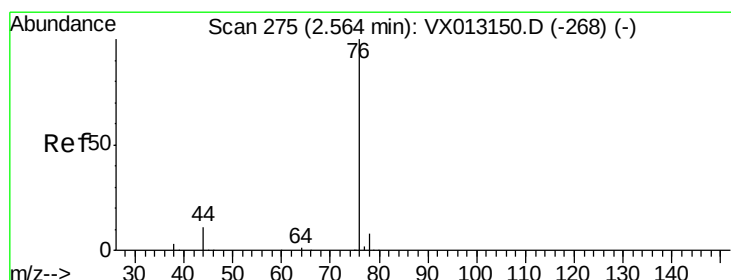
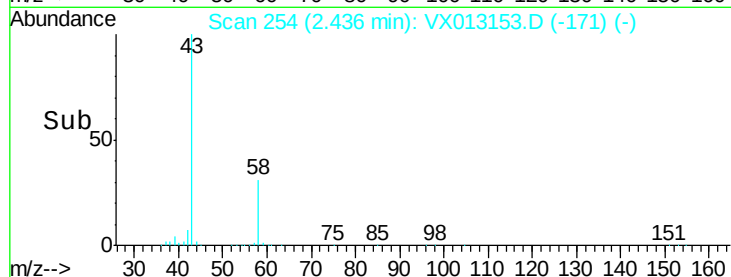
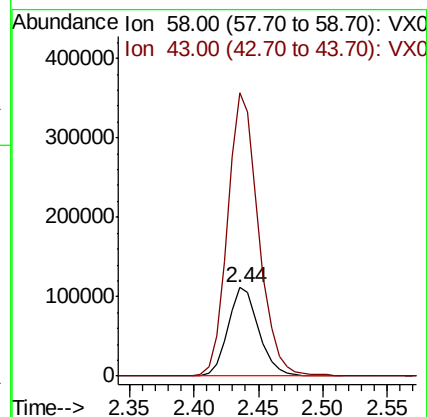
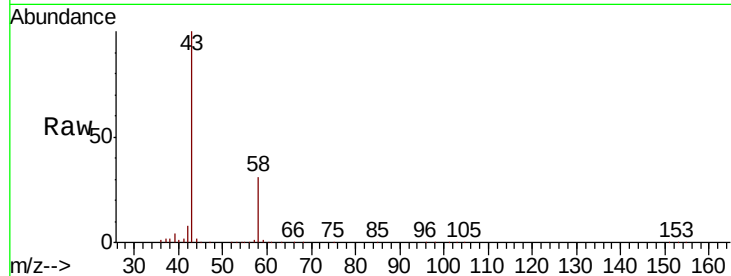
43 320.0 262.8 394.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 158.555 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013153.D

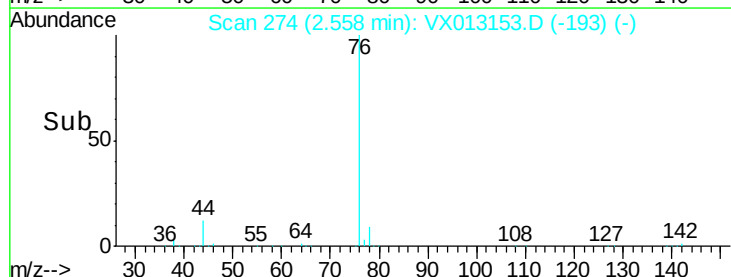
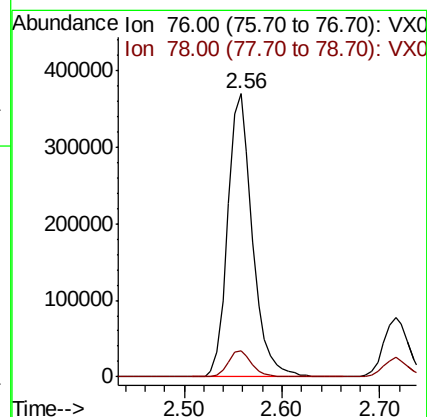
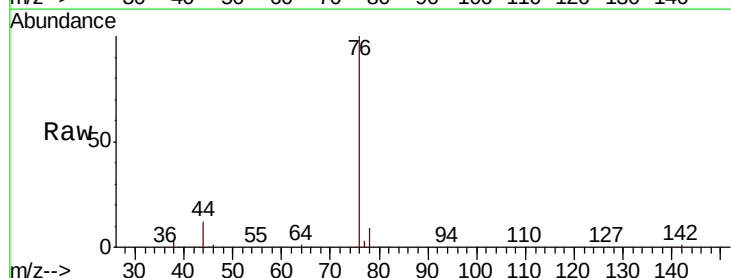
Acq: 21 Oct 2019 14:09

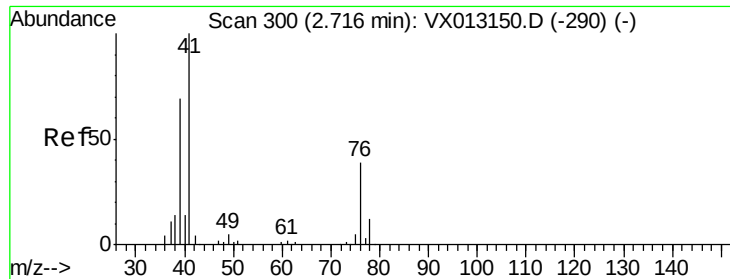
Tgt Ion: 76 Resp: 645021

Ion Ratio Lower Upper

76 100

78 9.1 6.6 10.0





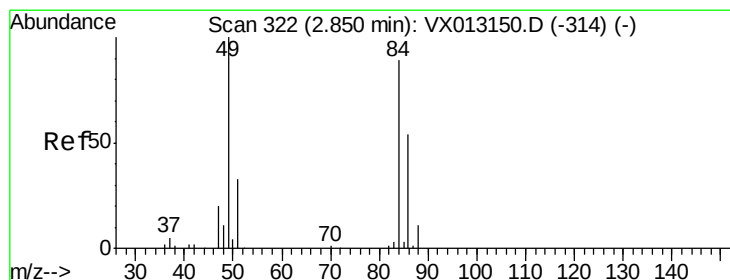
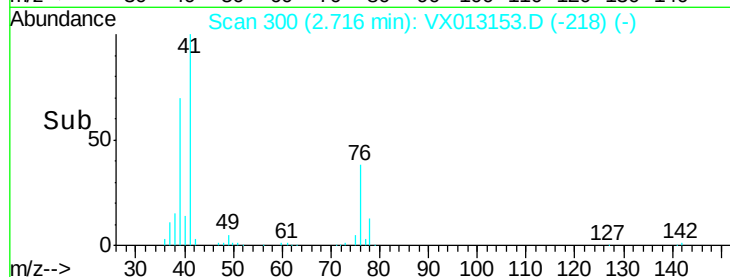
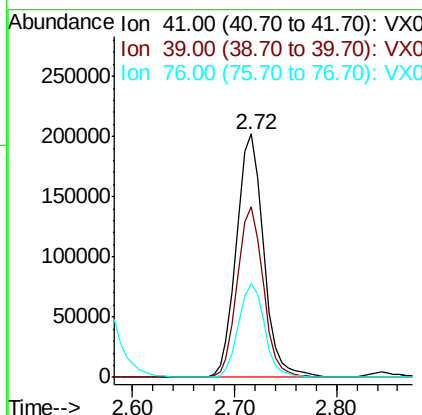
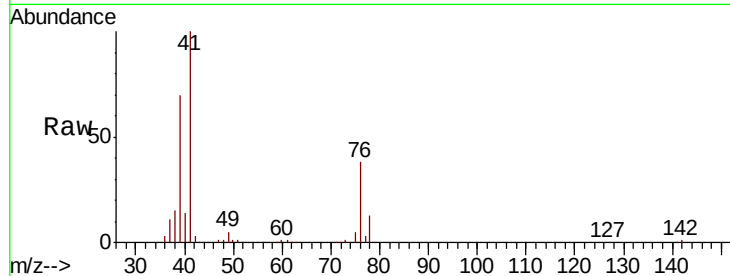
#17
Allvl chloride
Concen: 147.453 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.3	34.7	104.1
76	38.3	19.7	59.0

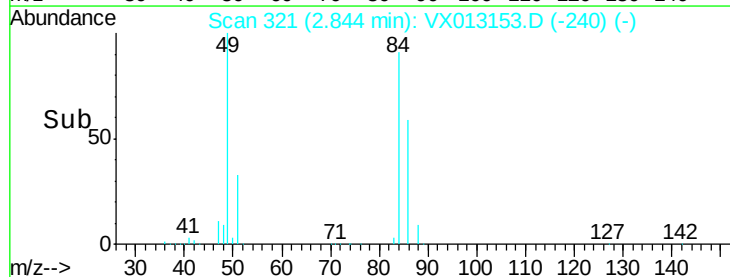
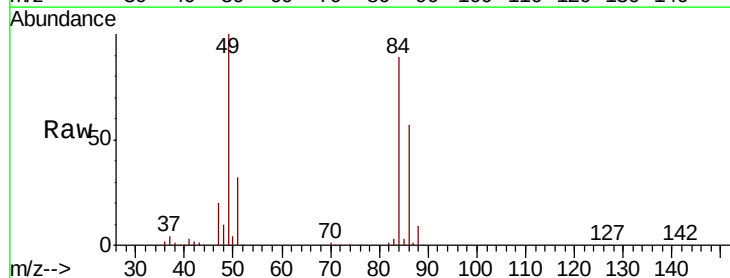
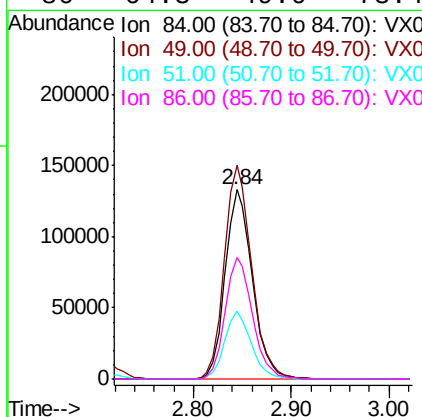
Manual Integrations
APPROVED

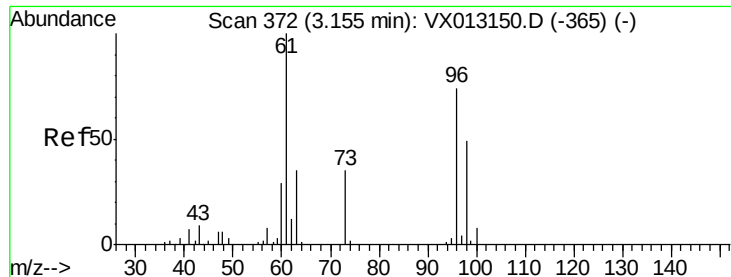
MMDadoda
10/22/2019 12:30:24 PM



#18
Methylene Chloride
Concen: 149.907 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.9	90.3	135.5
51	35.7	29.9	44.9
86	64.3	49.0	73.4





#19

trans-1,2-Dichloroethene

Concen: 154.381 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

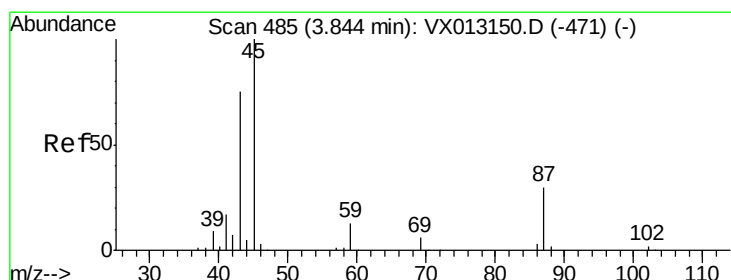
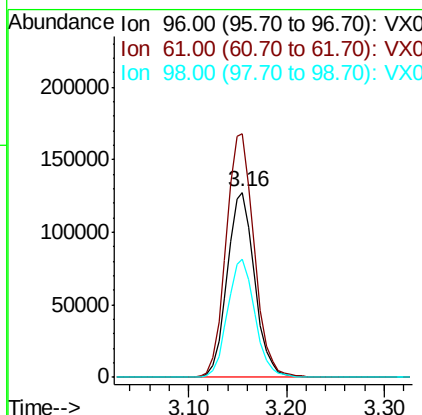
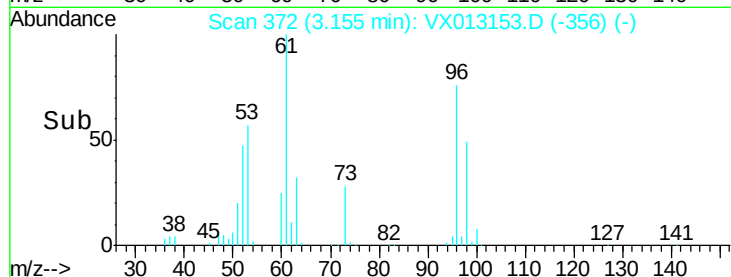
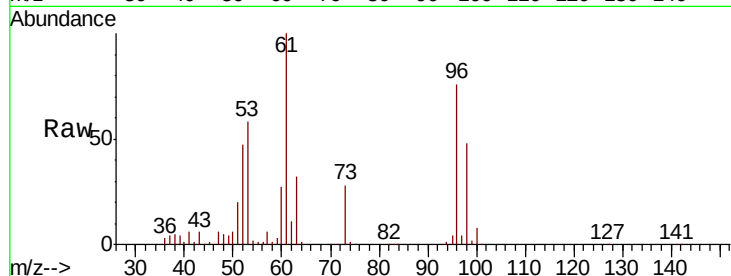
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	248301
Ion	Ratio	Lower	Upper
96	100		
61	131.3	108.6	162.8
98	63.7	53.4	80.0

Manual Integrations
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#20

Diisopropyl ether

Concen: 146.316 ug/l

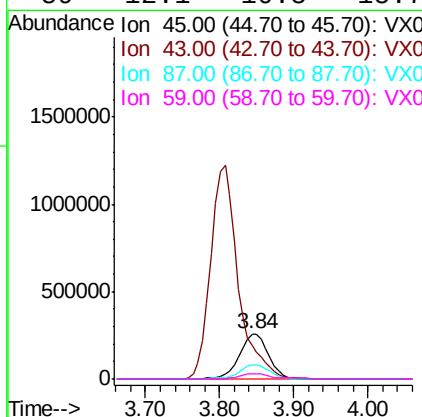
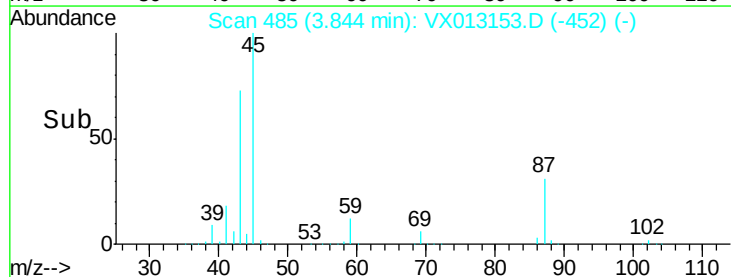
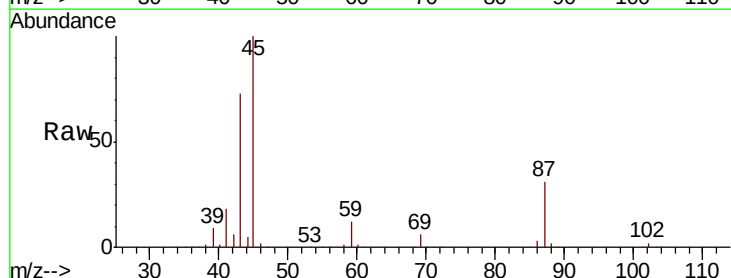
RT: 3.84 min Scan# 485

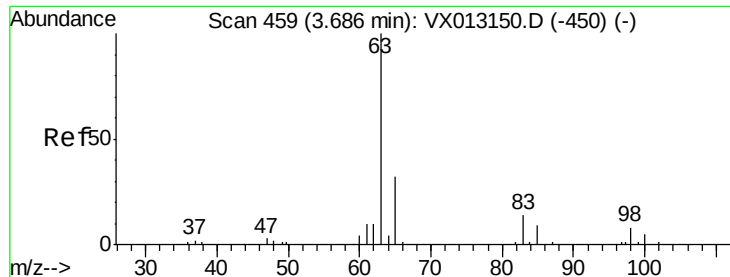
Delta R.T. -0.00 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Tgt Ion:	45	Resp:	708194
Ion	Ratio	Lower	Upper
45	100		
43	72.6	60.6	91.0
87	31.3	24.2	36.2
59	12.1	10.5	15.7





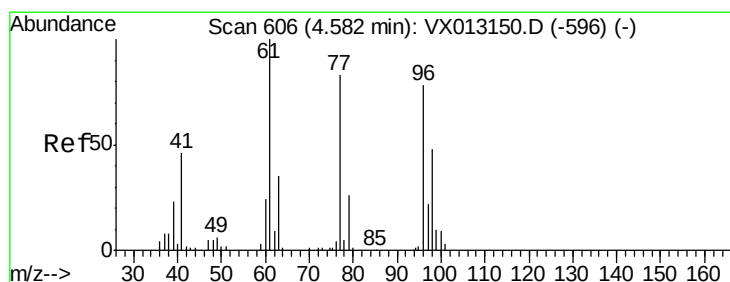
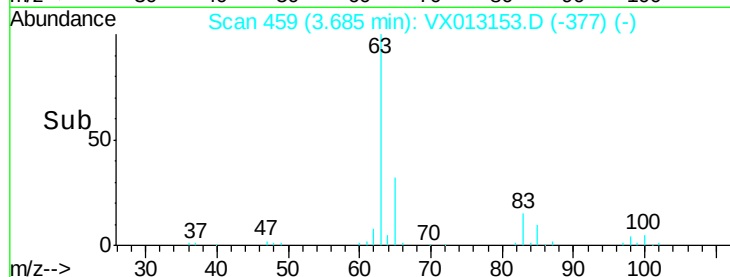
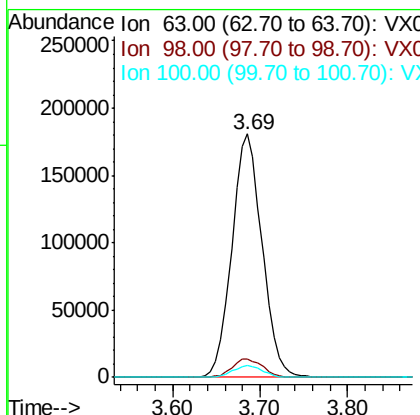
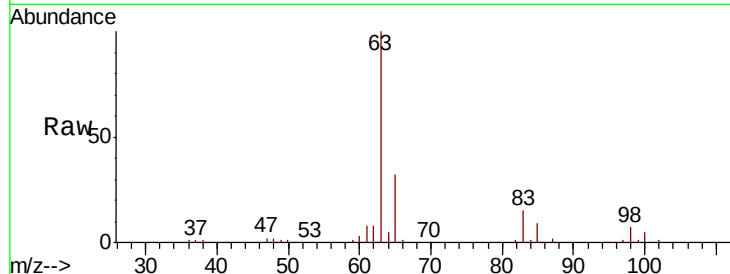
#21
 1,1-Dichloroethane
 Concen: 153.758 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	63	Resp:	433402
Ion Ratio	Lower	Upper	
63	100		
98	7.3	4.2	12.4
100	5.0	2.4	7.2

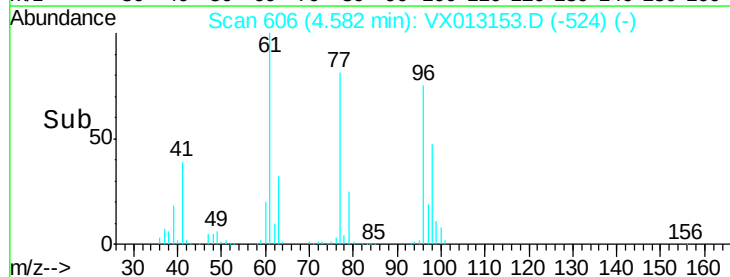
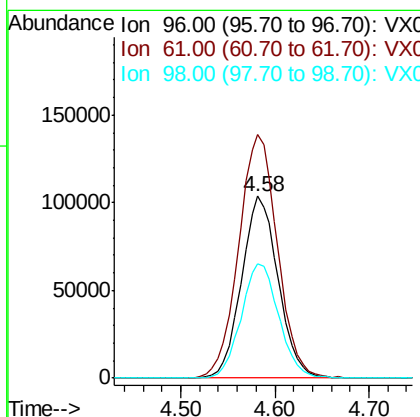
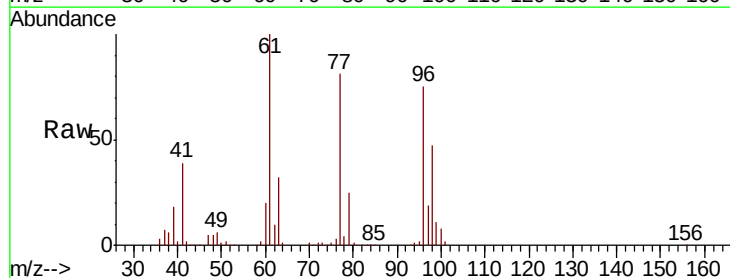
Manual Integrations
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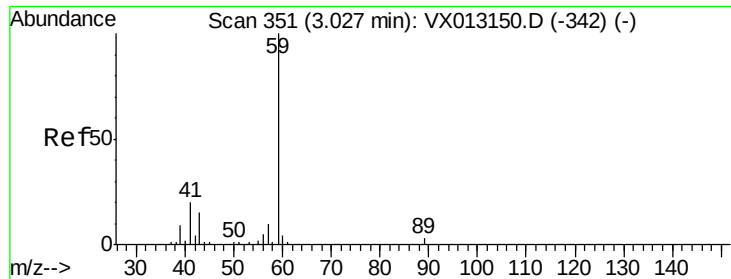
MMDadoda
 10/22/2019 12:30:24 PM



#22
 cis-1,2-Dichloroethene
 Concen: 152.043 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Tgt Ion:	96	Resp:	282241
Ion Ratio	Lower	Upper	
96	100		
61	141.6	112.5	168.7
98	64.8	51.2	76.8





#23

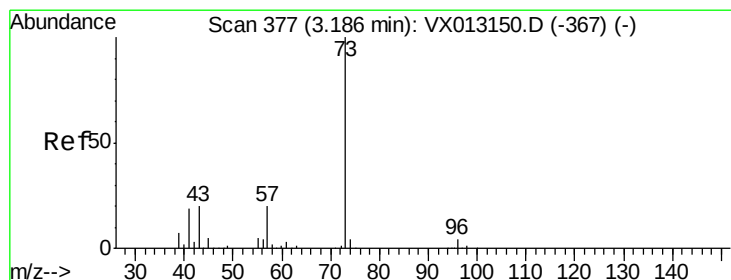
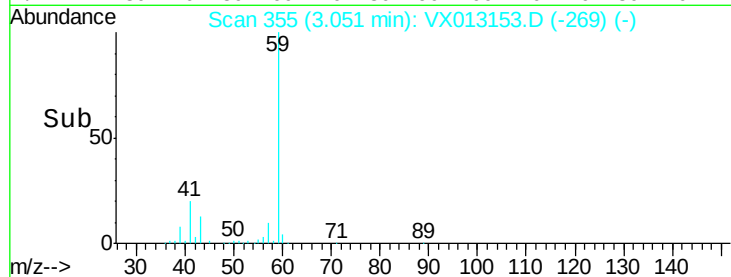
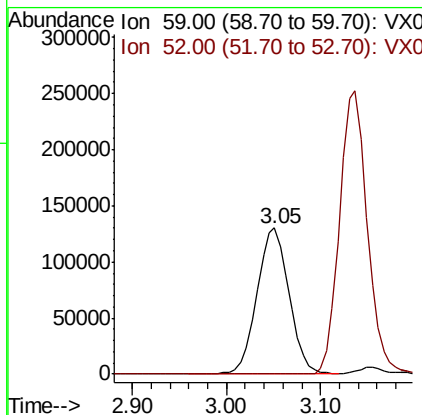
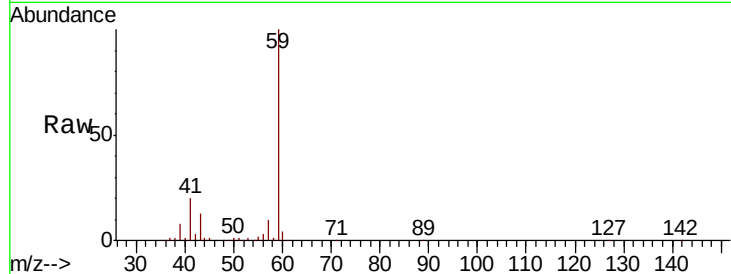
tert-Butyl Alcohol
Concen: 704.266 ug/l
RT: 3.05 min Scan# 355
Delta R.T. 0.02 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	59	52	Ratio	Lower	Upper
312503	100	0.2		0.0	0.0#

Manual Integrations
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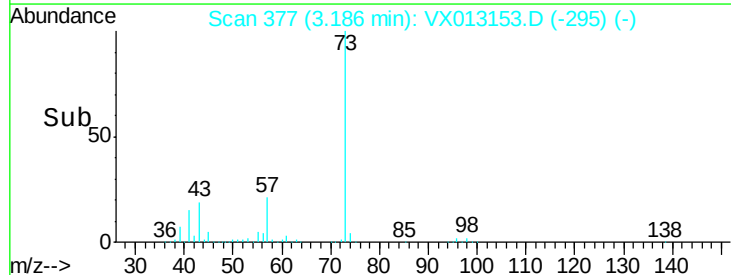
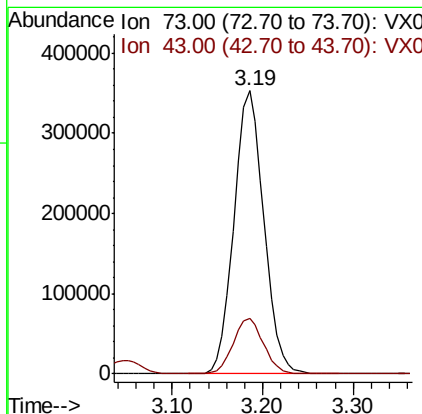
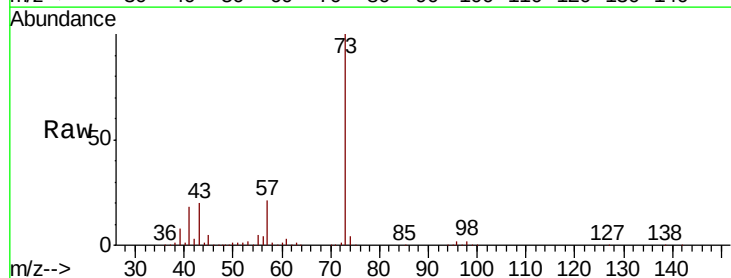
MMDadoda
10/22/2019 12:30:24 PM

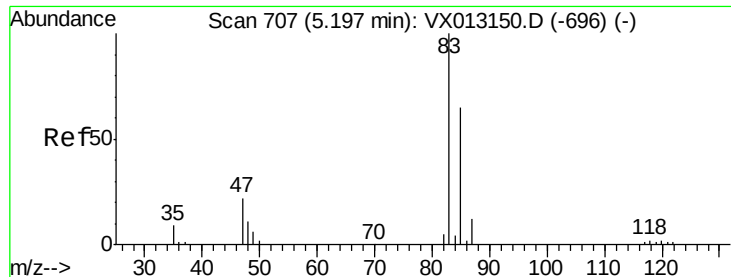


#24

Methyl tert-Butyl Ether
Concen: 157.606 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Tgt Ion	73	43	Ratio	Lower	Upper
807735	100	19.8		17.1	25.7





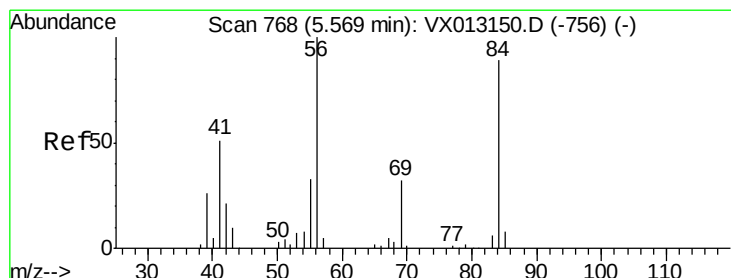
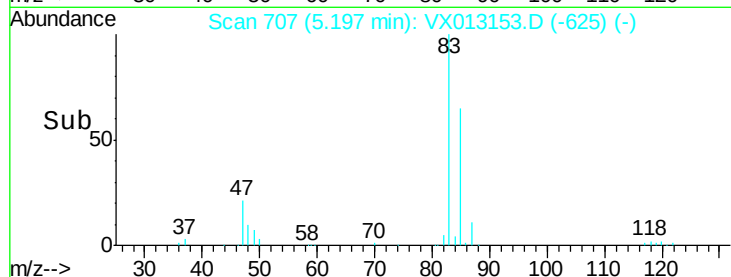
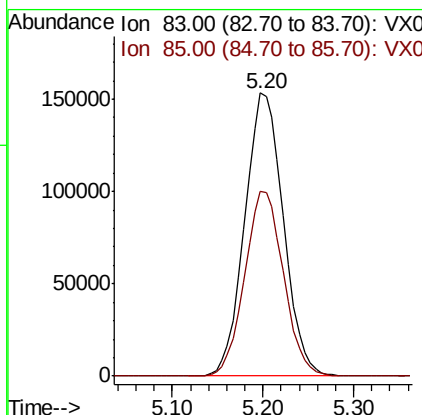
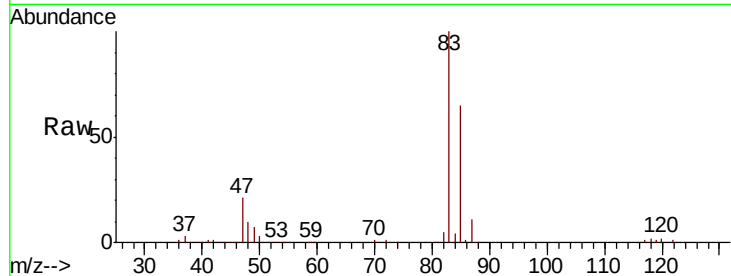
#25
Chloroform
Concen: 154.623 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	451994
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	52.0	78.0

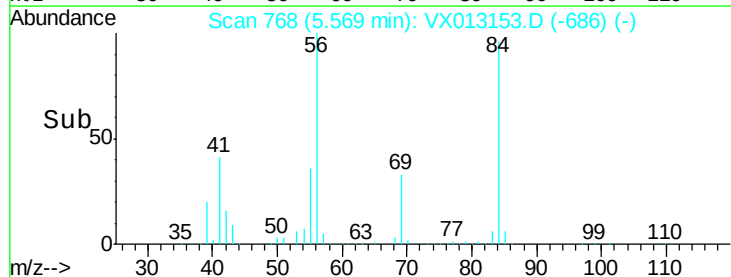
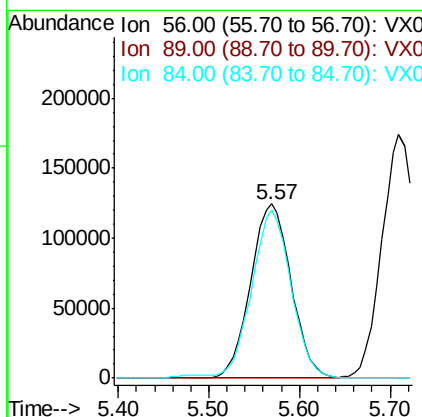
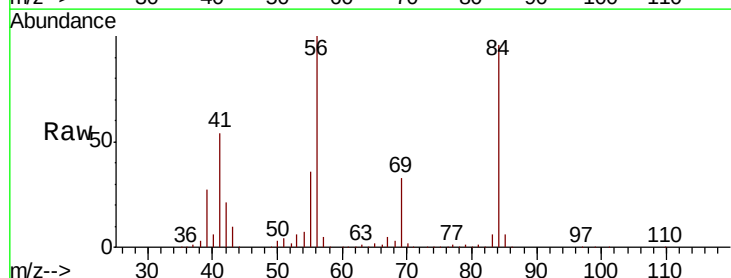
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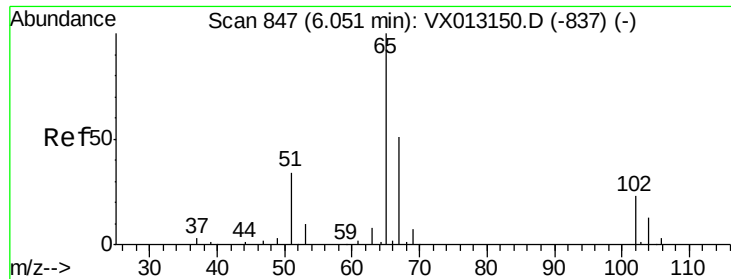
MMDadoda
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#26
Cyclohexane
Concen: 151.263 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Tgt Ion	56	Resp	384642
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.2	0.2#
84	93.8	74.0	111.0





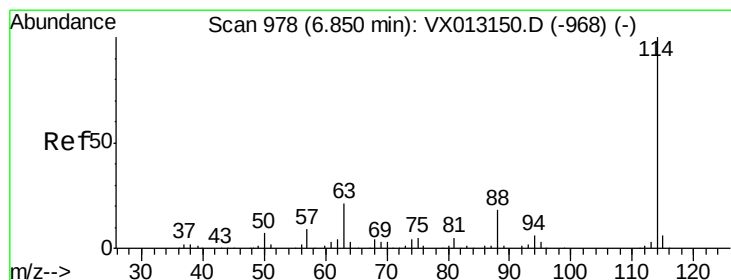
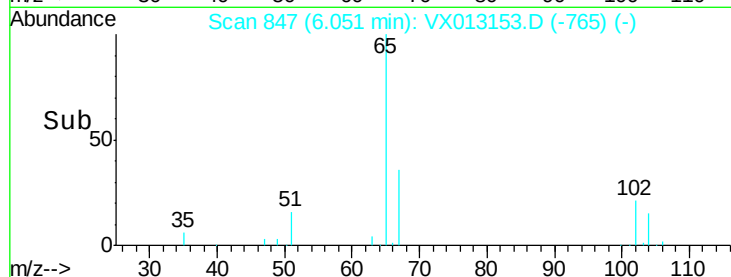
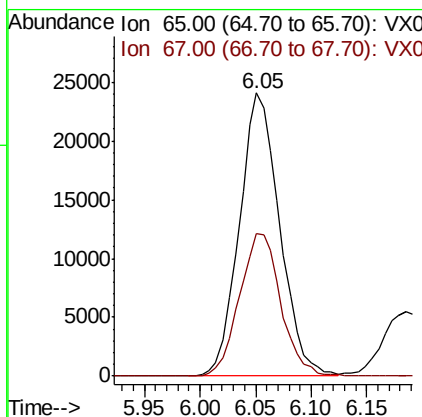
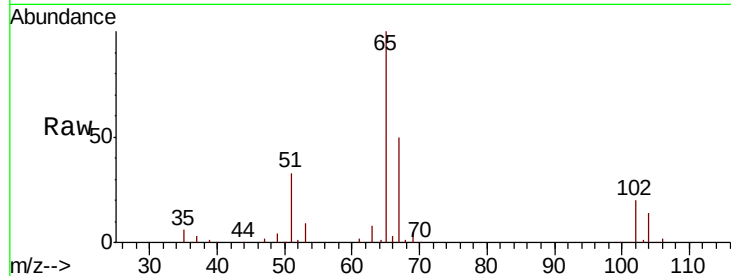
#27
 1,2-Dichloroethane-d4
 Concen: 31.679 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	42.2	63.4

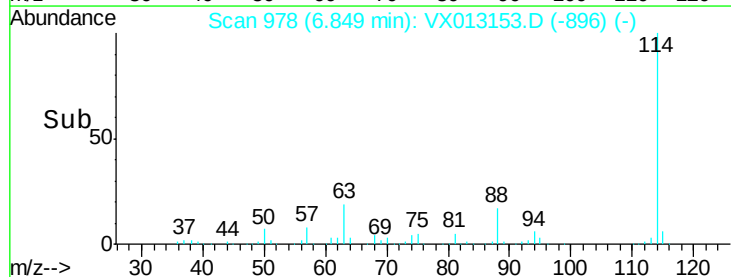
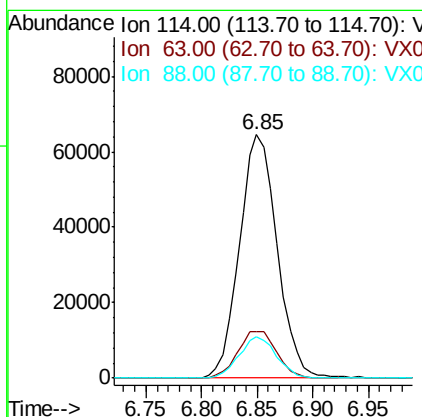
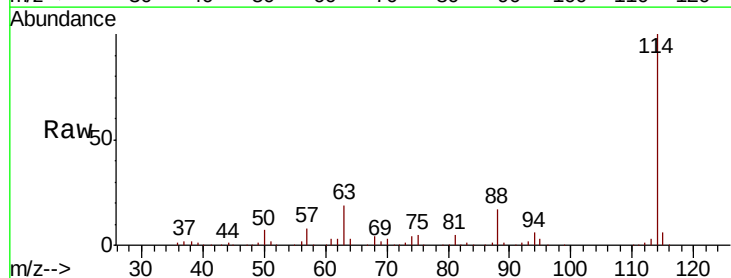
Manual Integrations
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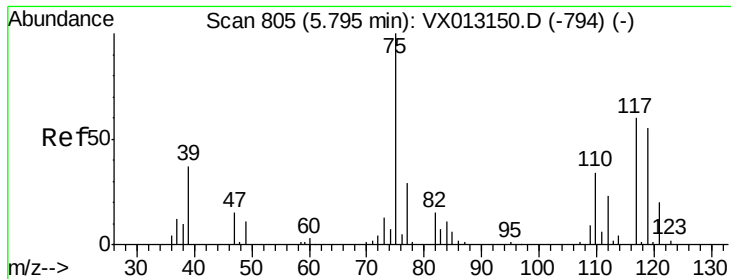
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	16.1	24.1
88	16.8	13.7	20.5





#29

1,1-Dichloropropene

Concen: 148.729 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 349202

Ion Ratio Lower Upper

75 100

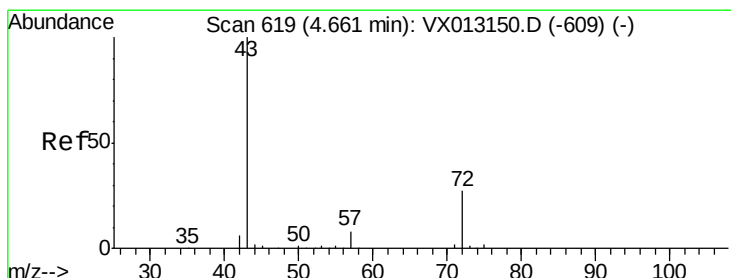
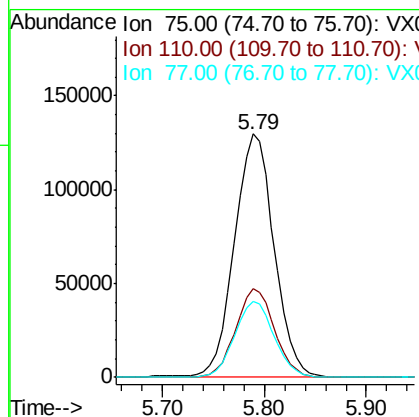
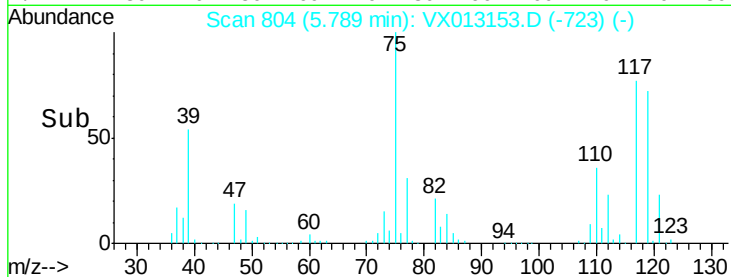
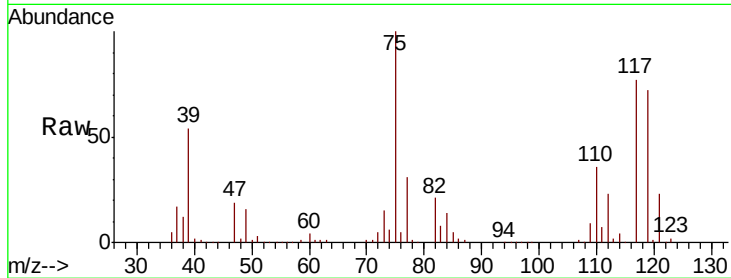
110 35.7 0.0 68.4

77 31.3 0.0 30.8#

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#30

2-Butanone

Concen: 655.089 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

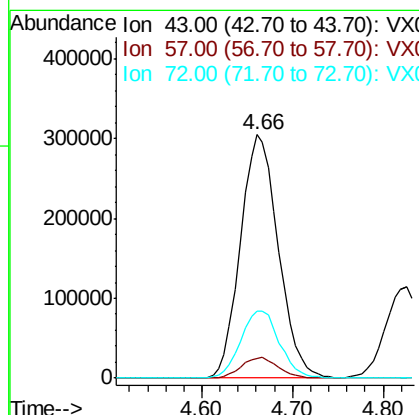
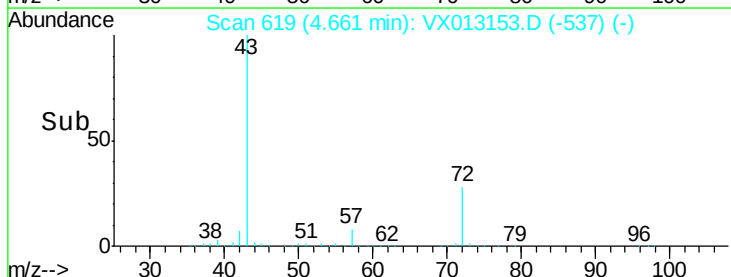
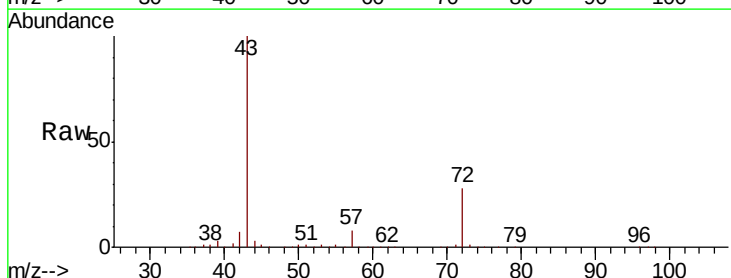
Tgt Ion: 43 Resp: 879329

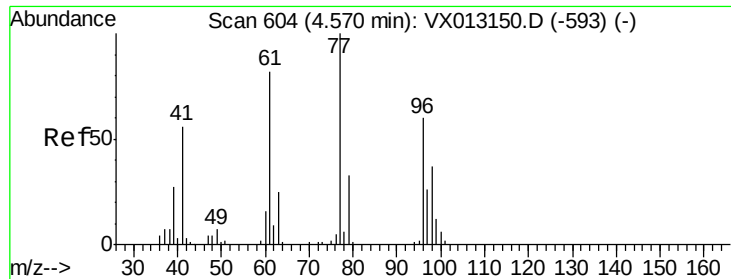
Ion Ratio Lower Upper

43 100

57 8.4 7.0 10.6

72 28.4 23.4 35.2





#31

2,2-Dichloropropane

Concen: 150.113 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 77 Resp: 396296

Ion Ratio Lower Upper

77 100

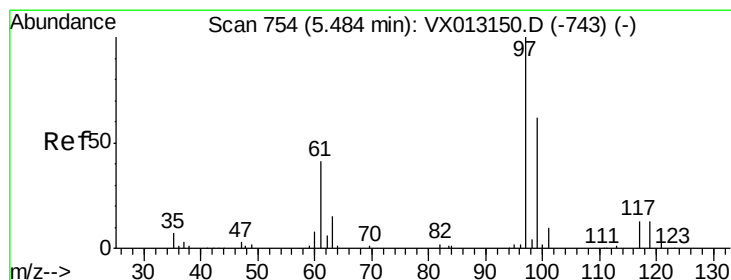
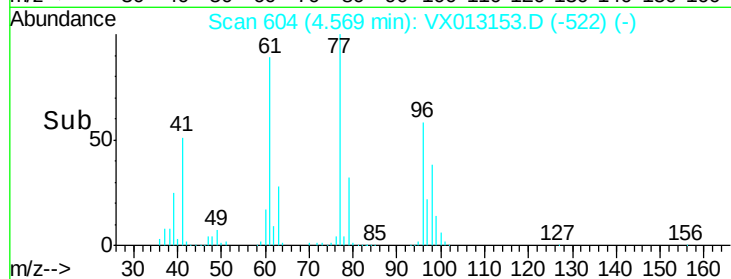
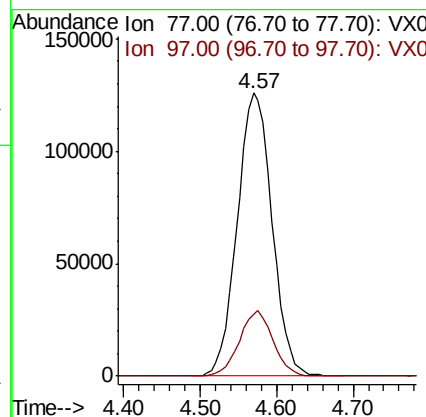
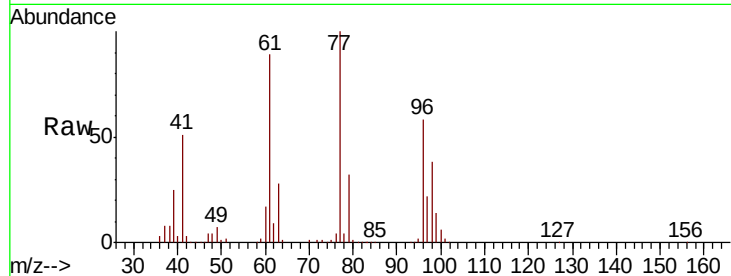
97 22.4 19.1 28.7

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 152.537 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

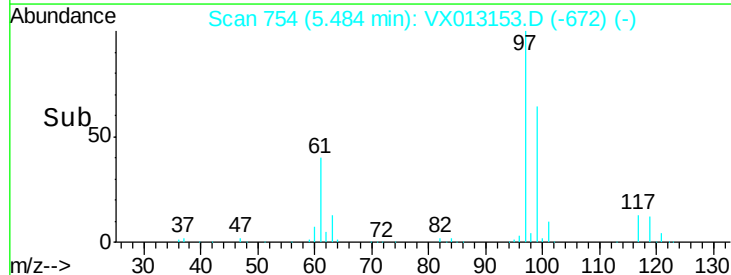
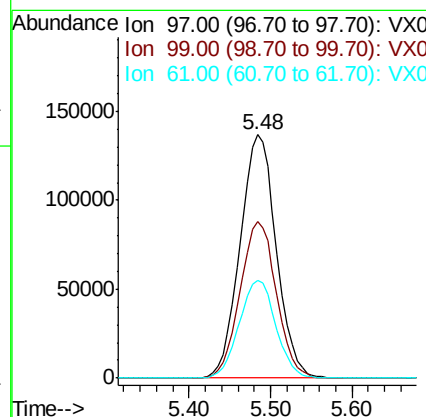
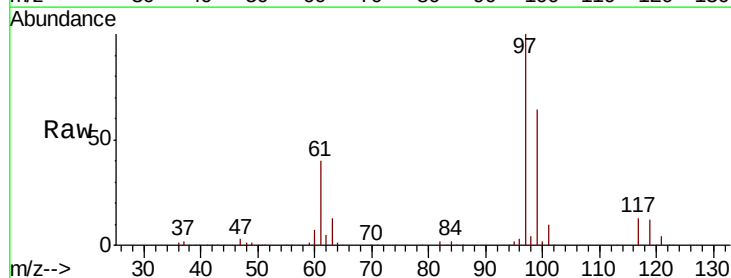
Tgt Ion: 97 Resp: 419890

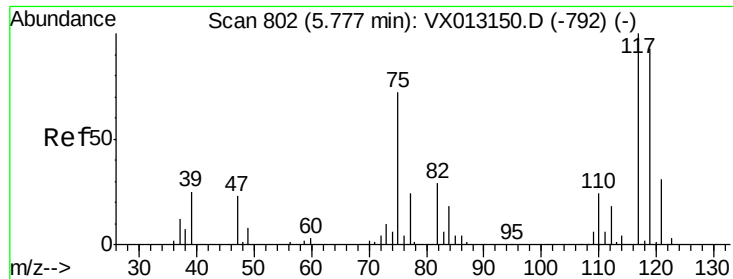
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.8

61 40.8 33.5 50.3





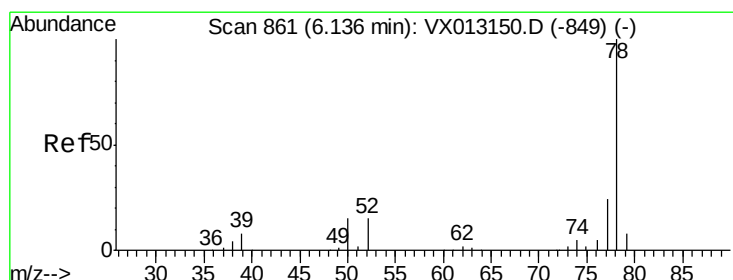
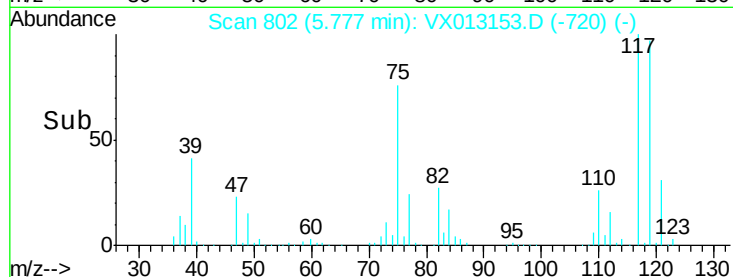
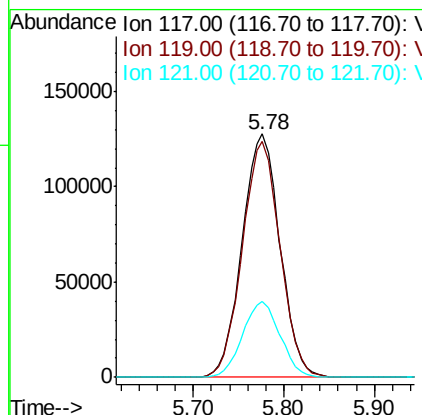
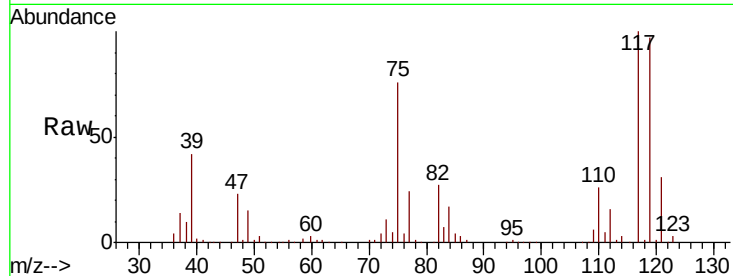
#33
Carbon Tetrachloride
Concen: 156.584 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.7	74.9	112.3
121	31.0	25.0	37.4

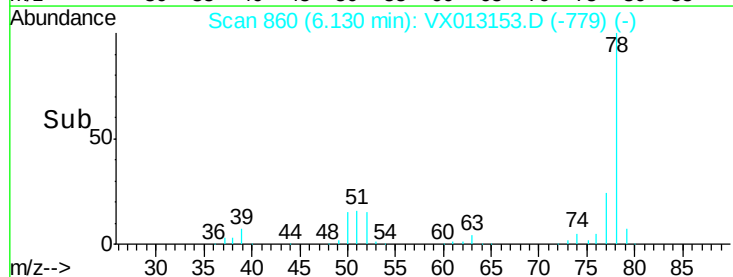
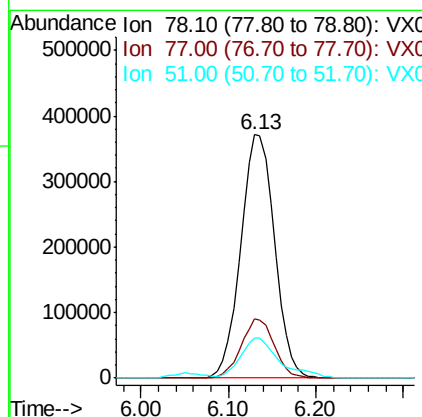
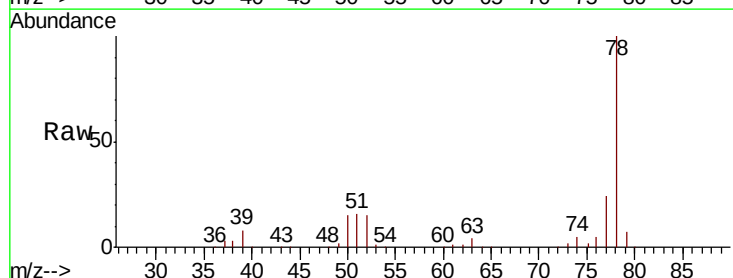
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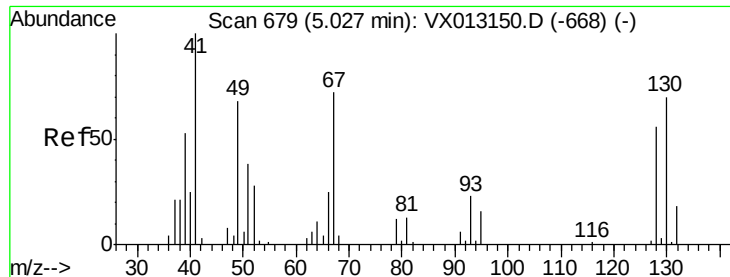
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#34
Benzene
Concen: 144.916 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9
51	16.2	11.4	17.2





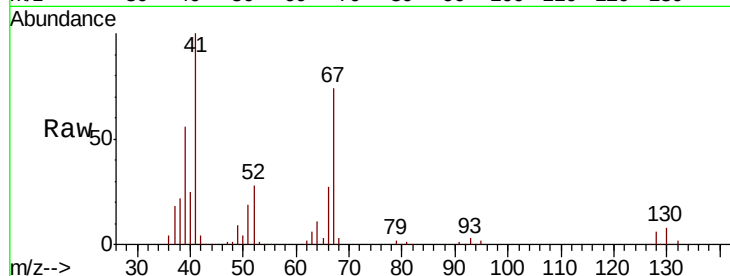
#35
Methacrylonitrile
Concen: 143.215 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	190392
Ion Ratio	Lower	Upper	
41	100		
39	56.2	26.3	78.9
67	74.2	35.8	107.4
52	27.8	14.1	42.3

Manual Integrations
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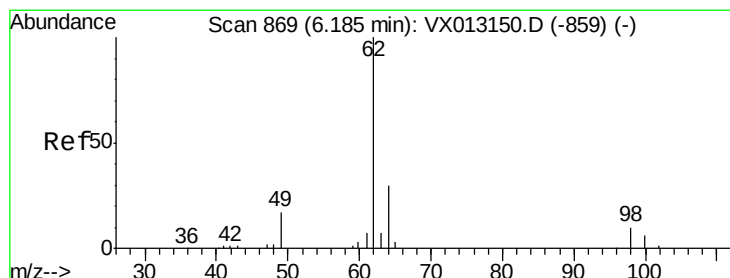
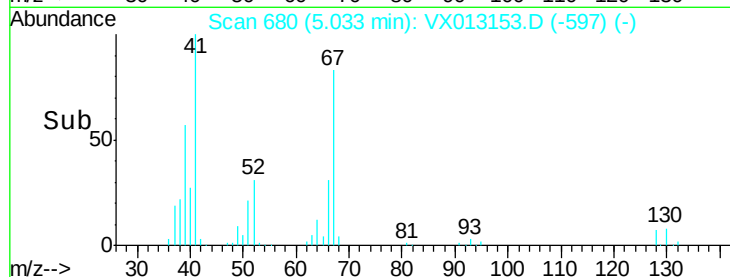
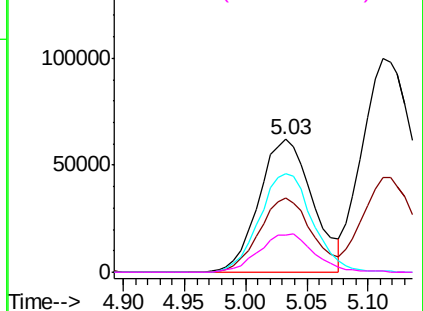
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

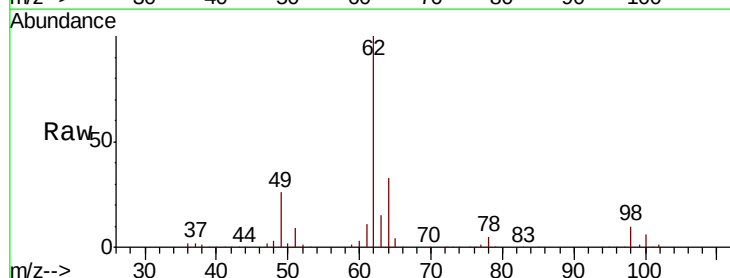
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#36
1,2-Dichloroethane
Concen: 146.287 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

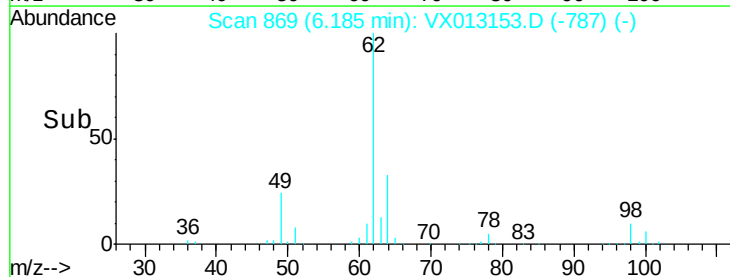
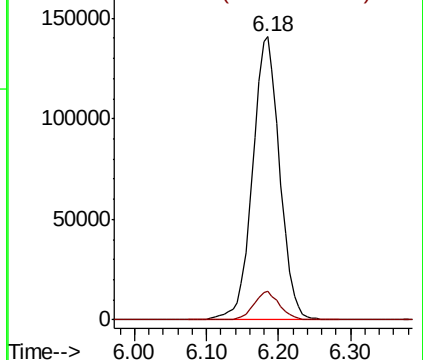
Tgt Ion:	62	Resp:	368235
Ion Ratio	Lower	Upper	
62	100		
98	9.6	8.0	12.0

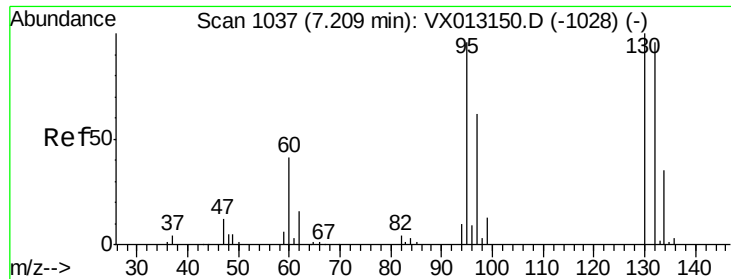


Abundance

Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





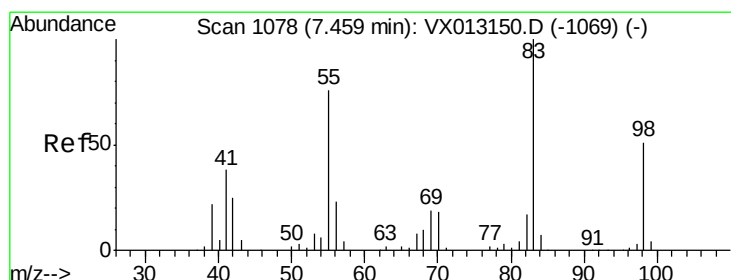
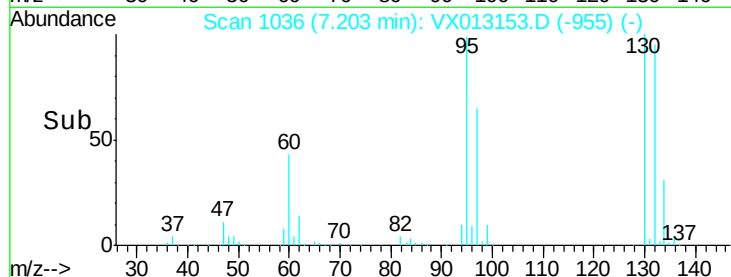
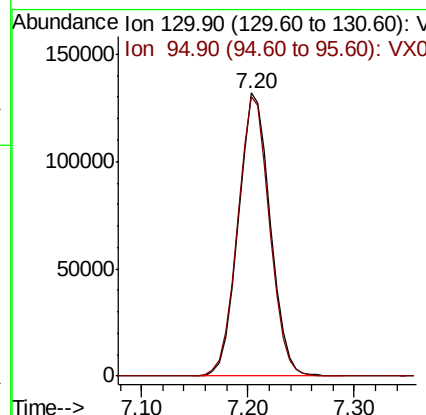
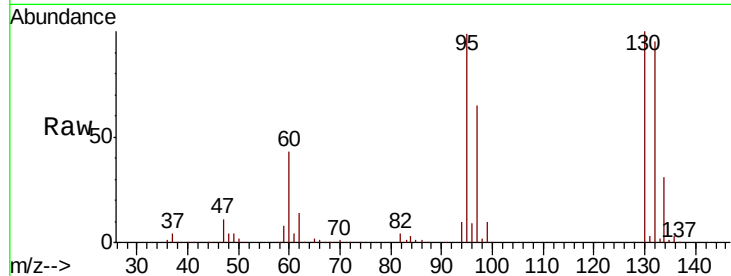
#37
 Trichloroethene
 Concen: 149.731 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:130 Resp: 278168
 Ion Ratio Lower Upper
 130 100
 95 98.6 77.0 115.6

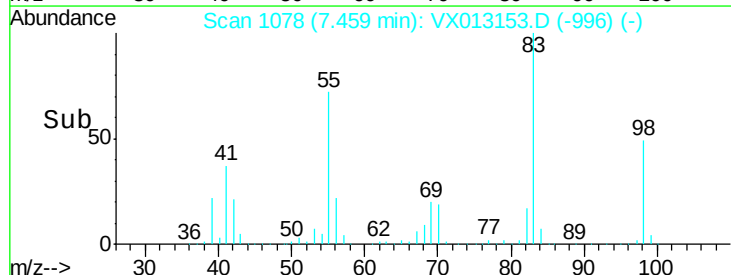
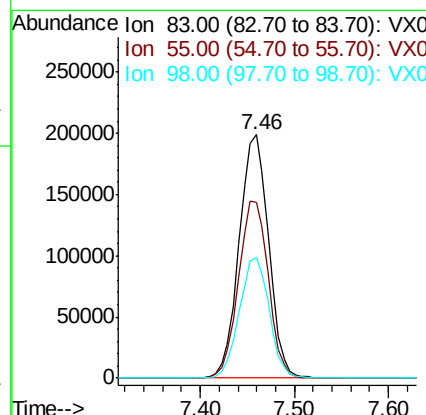
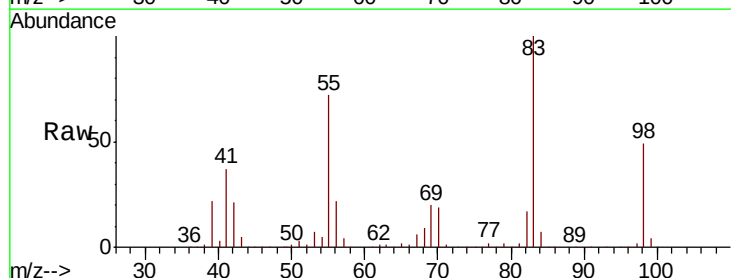
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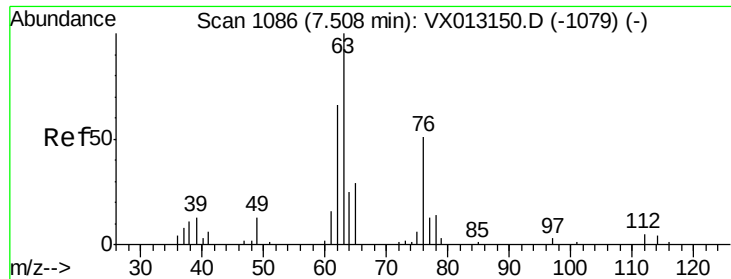
MMDadoda
 10/22/2019 12:30:24 PM



#38
 Methylcyclohexane
 Concen: 151.804 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Tgt Ion: 83 Resp: 433563
 Ion Ratio Lower Upper
 83 100
 55 73.8 37.5 112.5
 98 50.2 25.4 76.0





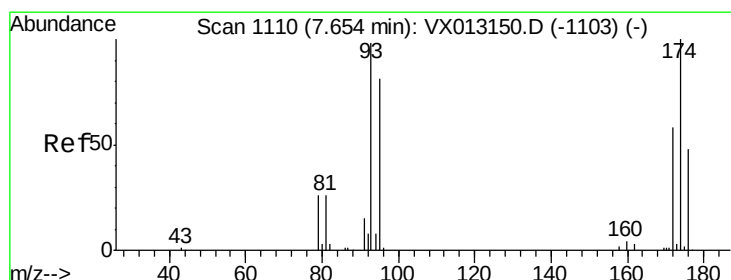
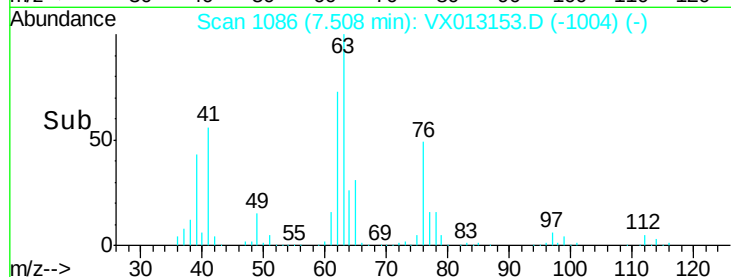
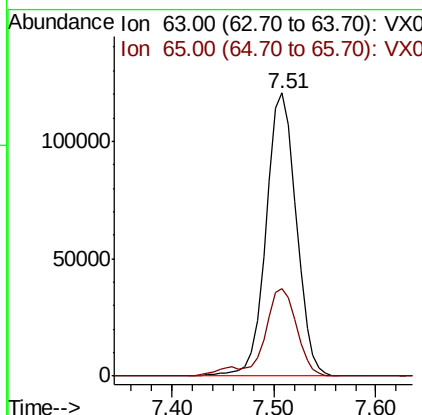
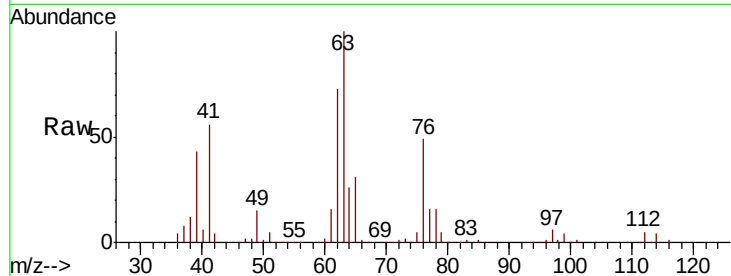
#39
 1,2-Dichloropropane
 Concen: 143.978 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 247327
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.8 37.2

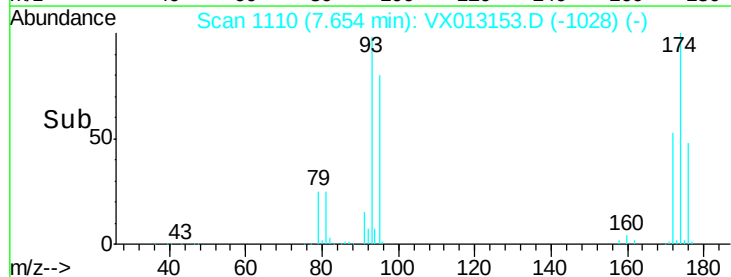
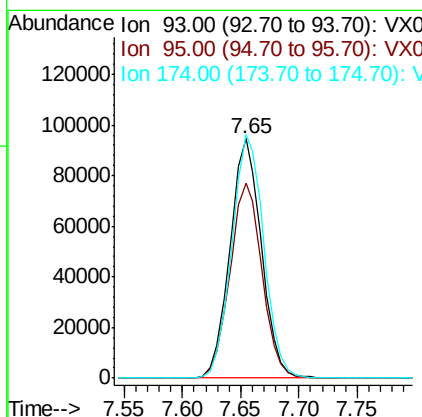
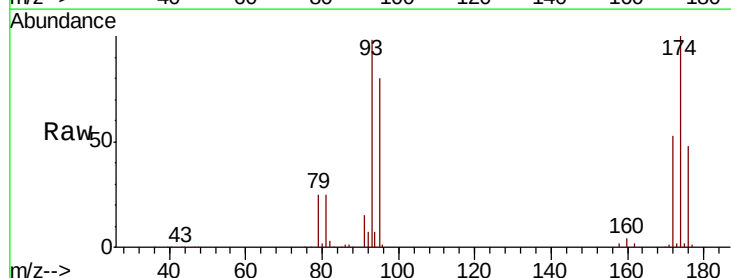
Manual Integrations
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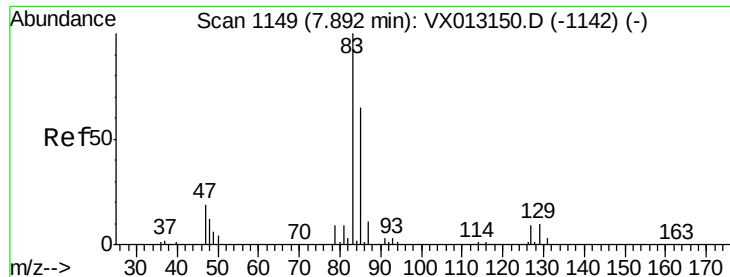
MMDadoda
 10/22/2019 12:30:24 PM



#40
 Dibromomethane
 Concen: 149.738 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Tgt Ion: 93 Resp: 177849
 Ion Ratio Lower Upper
 93 100
 95 83.0 0.0 166.0
 174 103.3 0.0 208.8





#41

Bromodichloromethane

Concen: 156.722 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

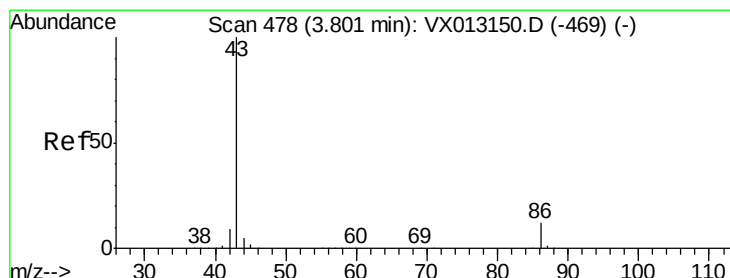
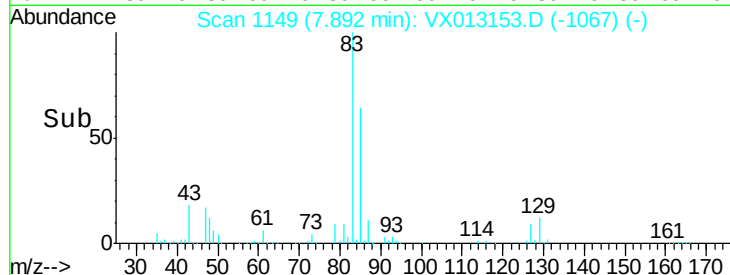
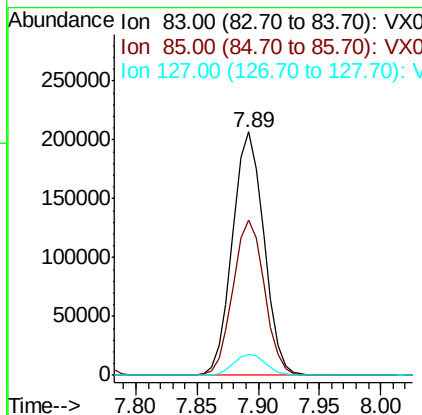
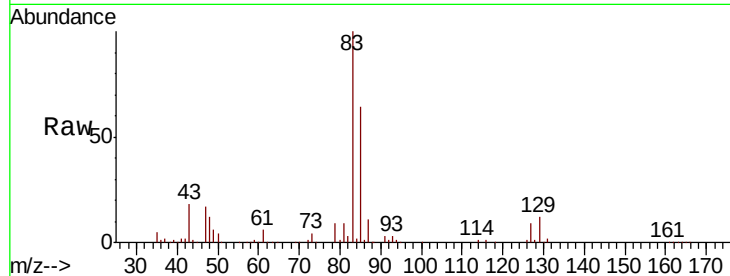
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	369424
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.1	78.1
127	8.7	7.5	11.3

Manual Integrations
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#42

Vinyl Acetate

Concen: 705.773 ug/l

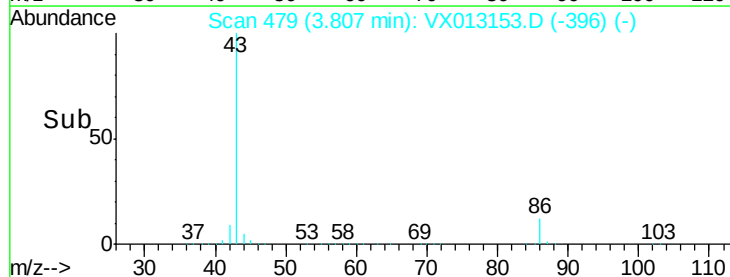
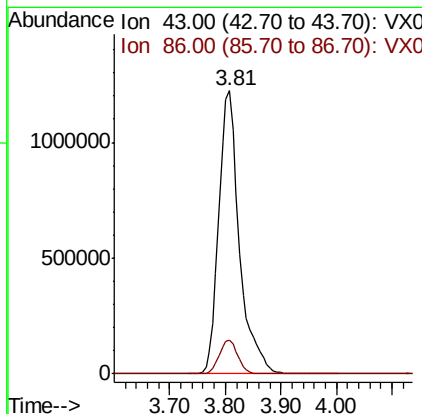
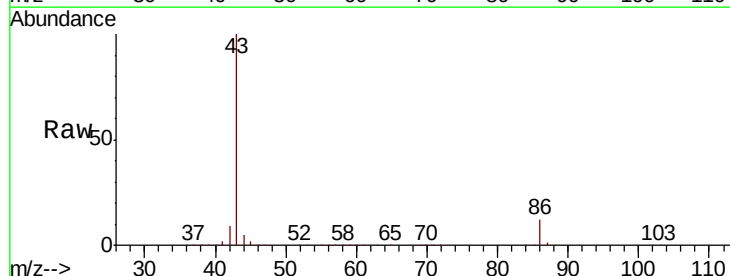
RT: 3.81 min Scan# 479

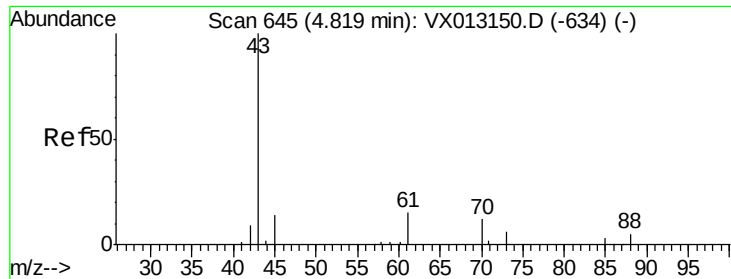
Delta R.T. 0.01 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Tgt Ion:	43	Resp:	3145458
Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8





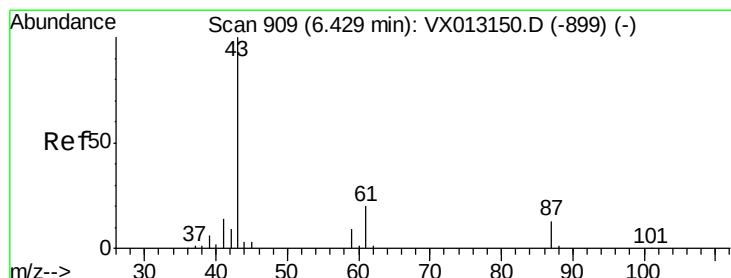
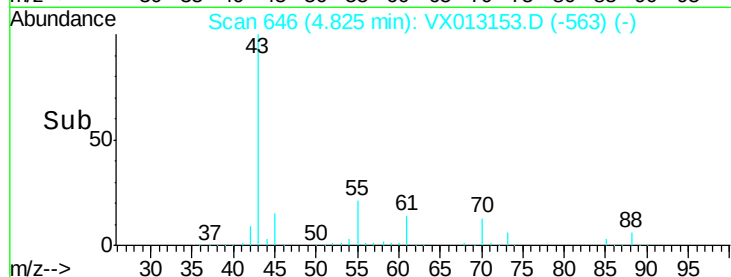
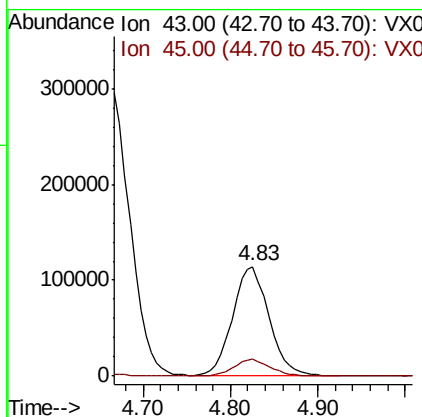
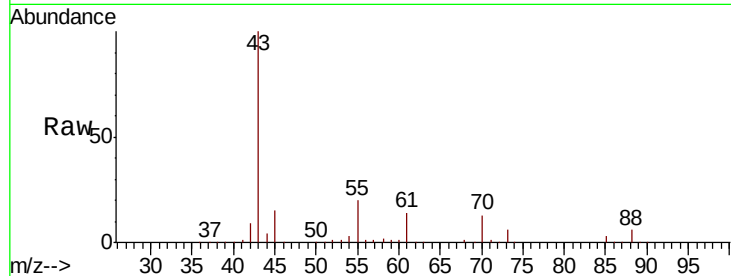
#43
Ethyl Acetate
Concen: 136.488 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 332525
Ion Ratio Lower Upper
43 100
45 15.3 12.6 18.8

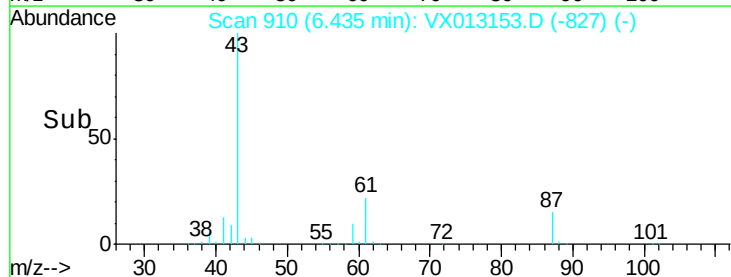
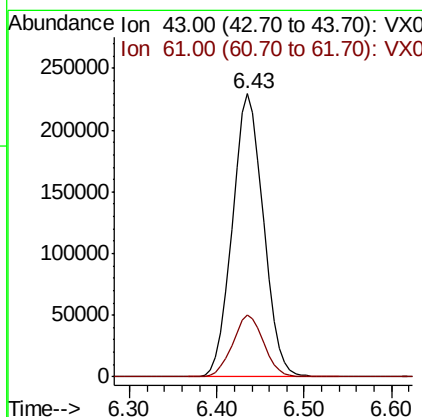
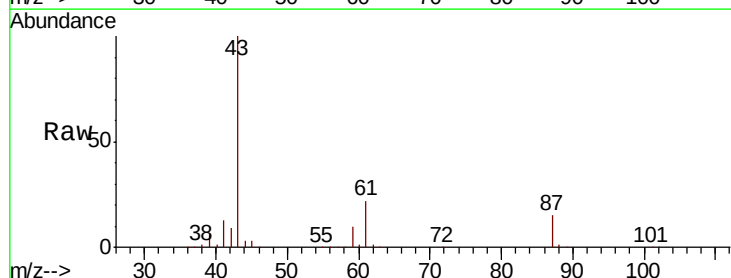
Manual Integrations
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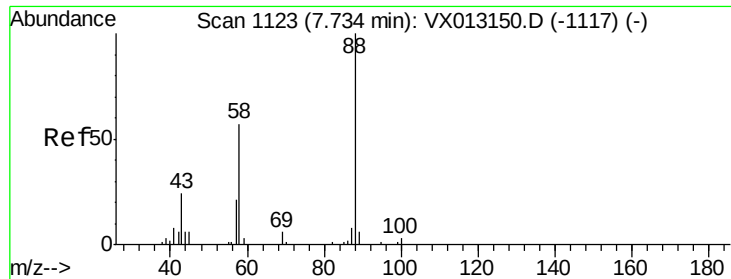
MMDadoda
10/22/2019 12:30:24 PM



#44
Isopropyl Acetate
Concen: 143.676 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.01 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Tgt Ion: 43 Resp: 566060
Ion Ratio Lower Upper
43 100
61 21.8 16.8 25.2





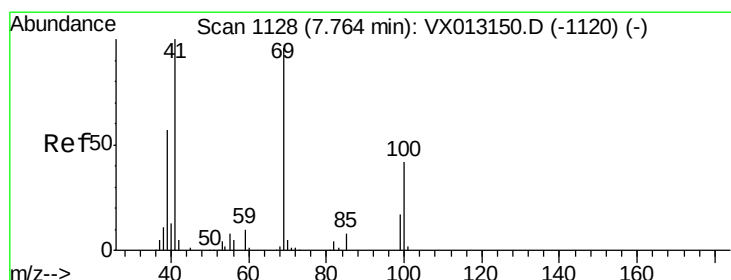
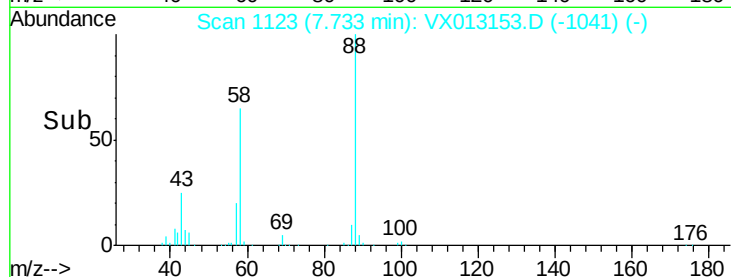
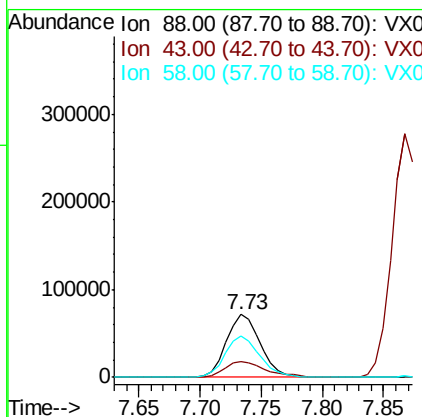
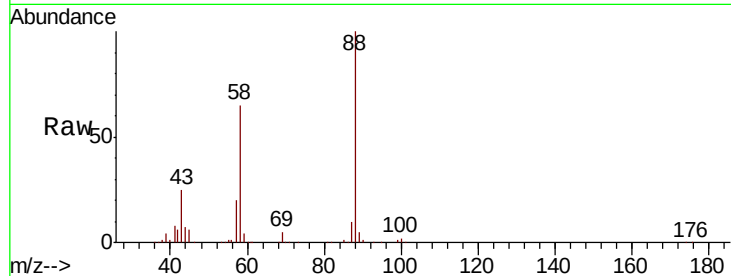
#45
 1,4-Dioxane
 Concen: 2772.596 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	29.8	24.0	36.0	
58	67.7	52.8	79.2	

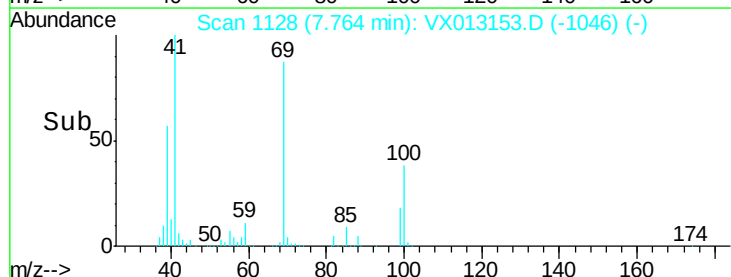
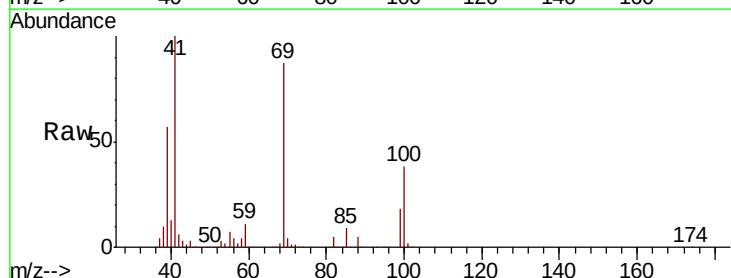
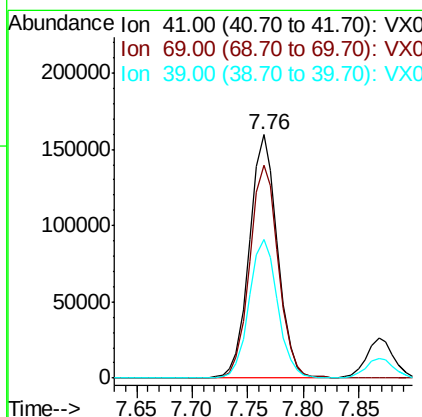
Manual Integrations
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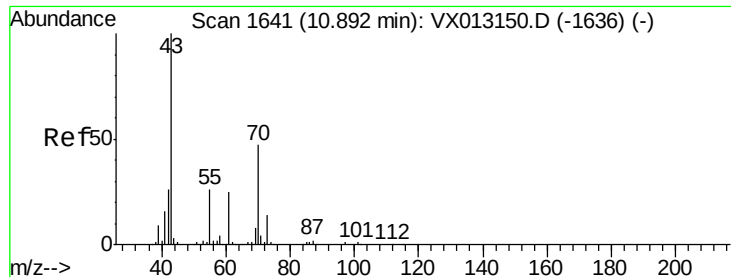
MMDadoda
 10/22/2019 12:30:24 PM



#46
 Methyl methacrylate
 Concen: 144.745 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	87.5	47.8	143.3	
39	56.9	28.5	85.5	





#47

n-amvl Acetate

Concen: 151.199 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 507651

Ion Ratio Lower Upper

43 100

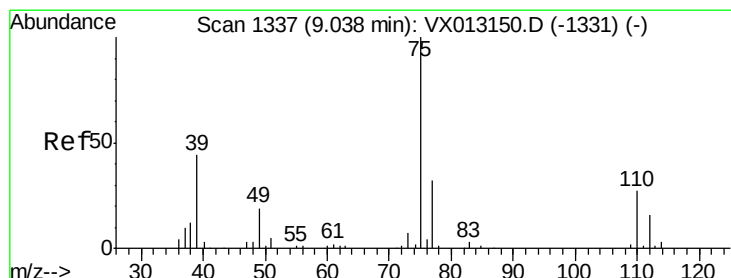
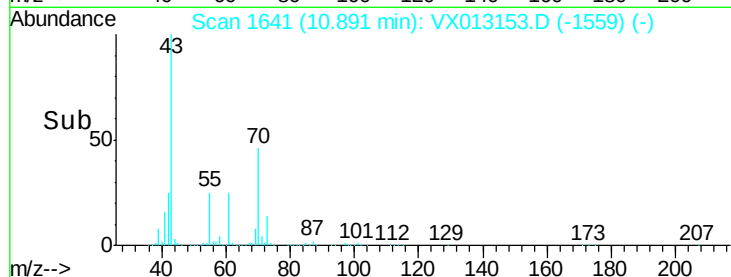
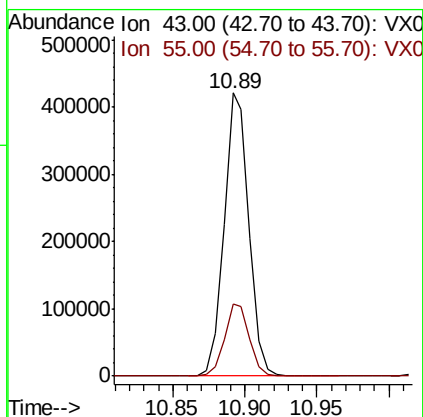
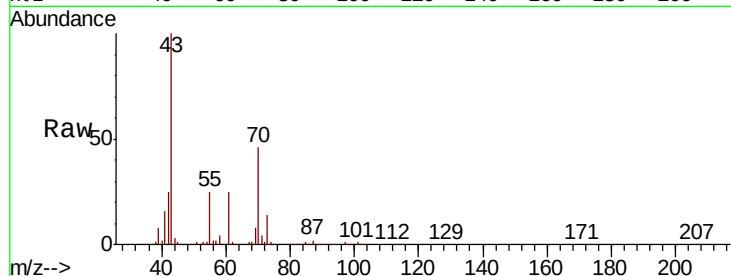
55 25.4 20.9 31.3

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 162.142 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013153.D

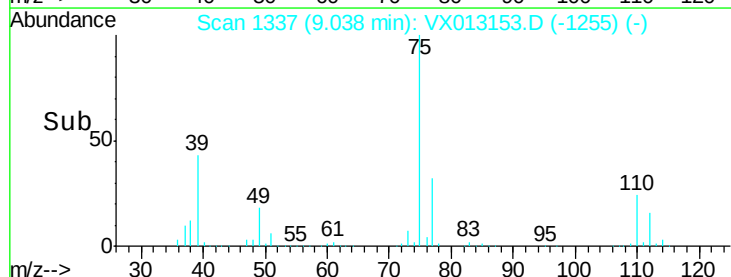
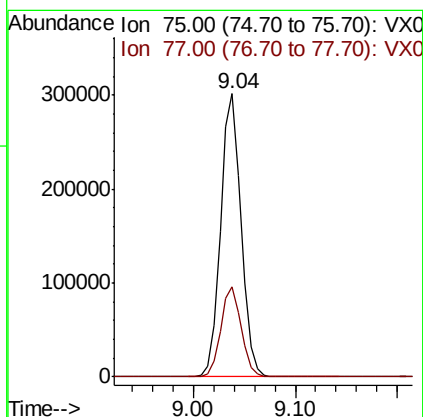
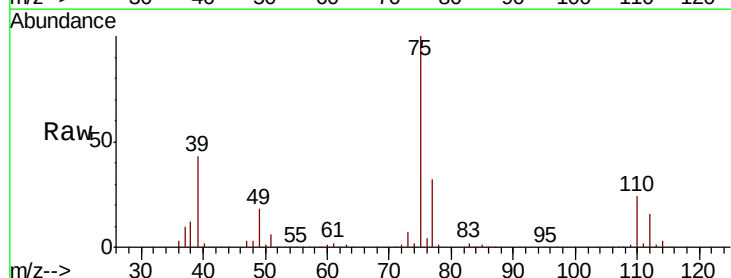
Acq: 21 Oct 2019 14:09

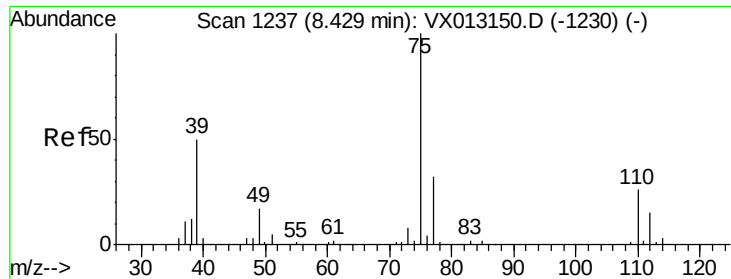
Tgt Ion: 75 Resp: 422443

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4





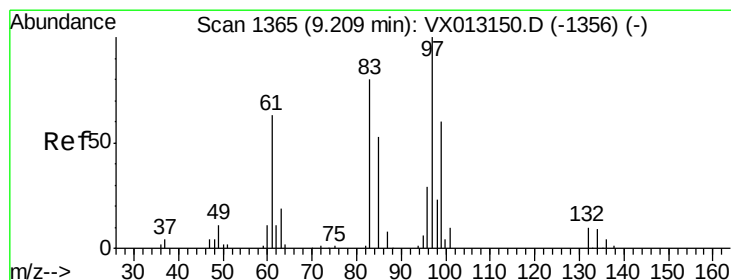
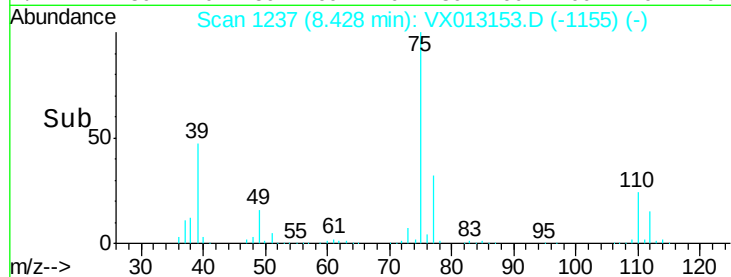
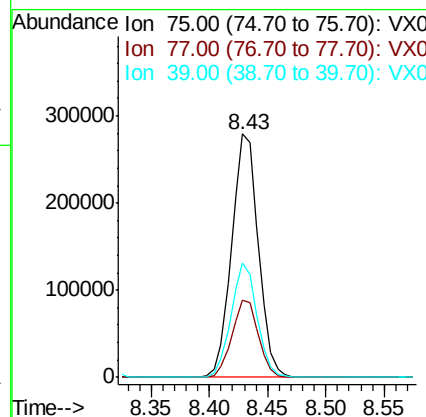
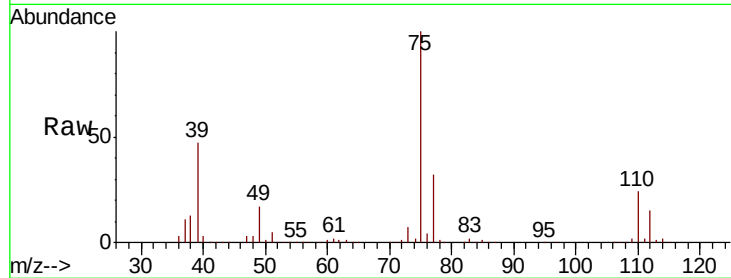
#49
 cis-1,3-Dichloropropene
 Concen: 154.994 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.8
39	46.9	39.7	59.5

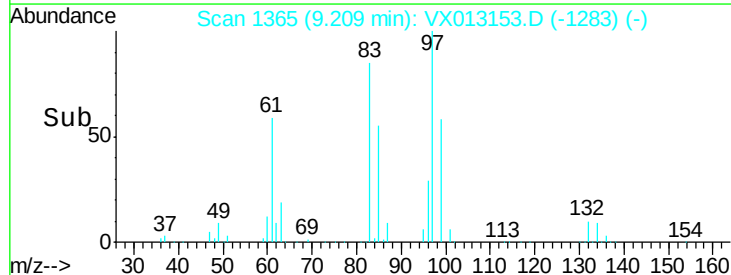
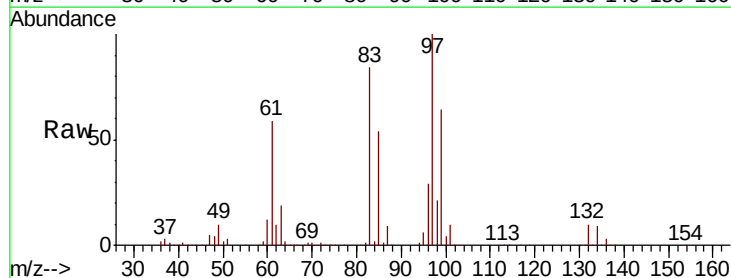
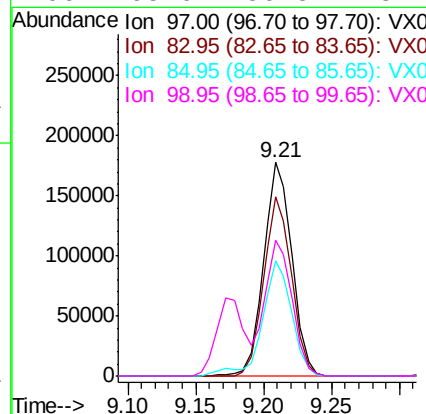
Manual Integrations
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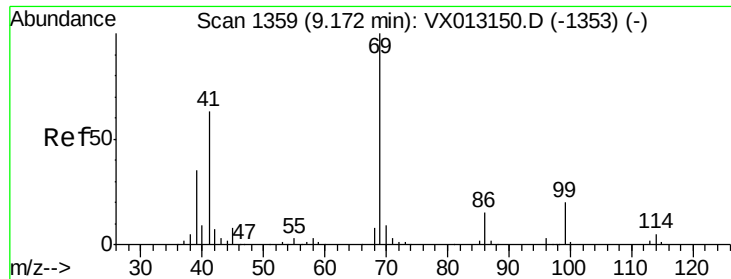
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 145.600 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.9	64.2	96.4
85	53.9	42.7	64.1
99	63.6	50.5	75.7





#51

Ethyl methacrylate

Concen: 155.208 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

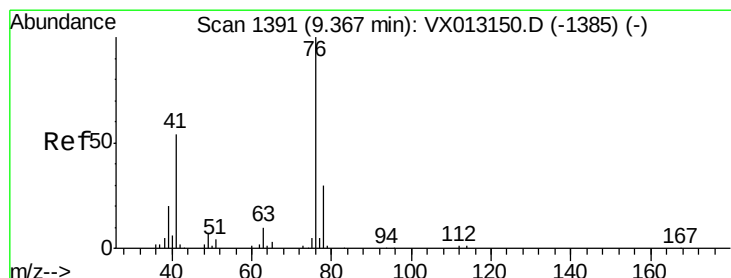
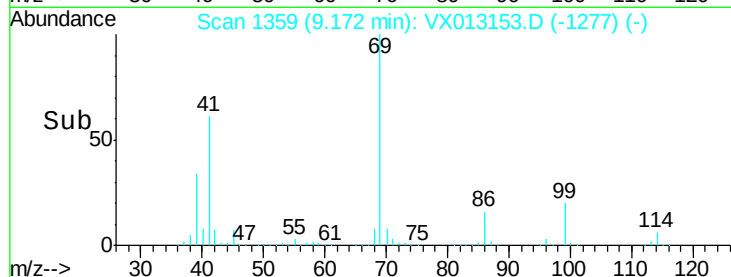
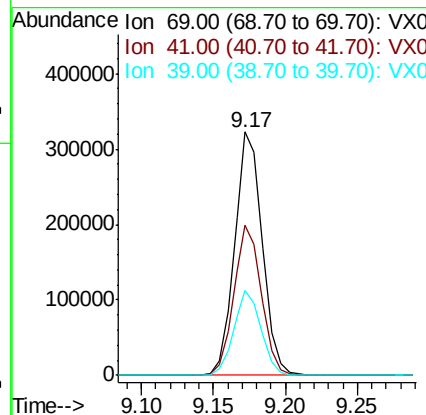
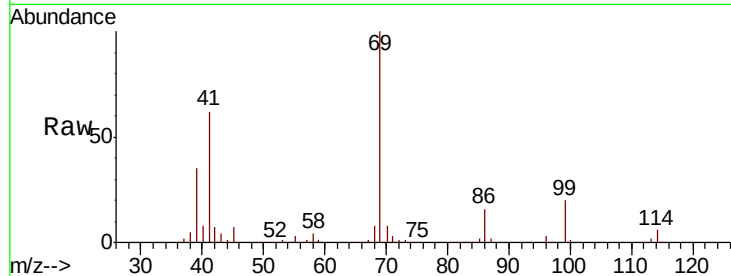
ClientSampleId :

VSTDIC150

Tot Ion:	69	Resp:	434362
Ion Ratio	Lower	Upper	
69	100		
41	61.7	31.6	95.0
39	34.6	17.7	53.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 145.874 ug/l

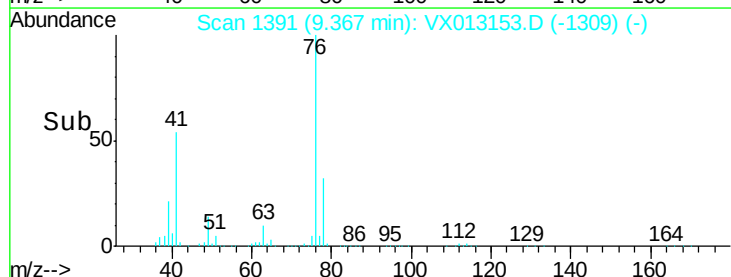
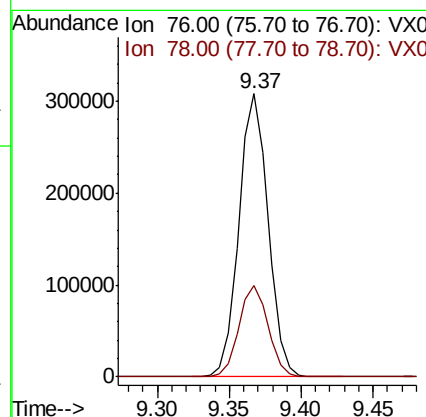
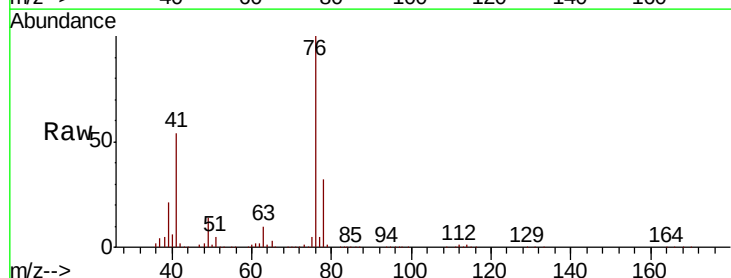
RT: 9.37 min Scan# 1391

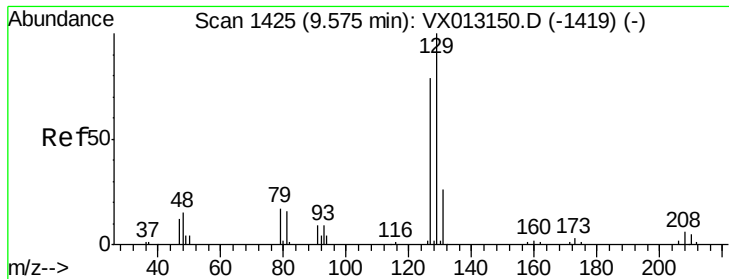
Delta R.T. -0.00 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Tgt Ion:	76	Resp:	435032
Ion Ratio	Lower	Upper	
76	100		
78	32.2	0.0	64.6





#53

Dibromochloromethane

Concen: 163.434 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:129 Resp: 300976

Ion Ratio Lower Upper

129 100

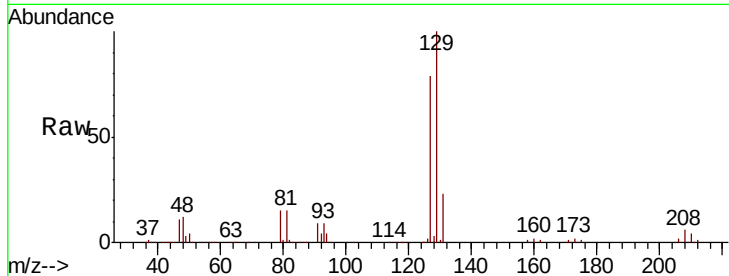
127 77.8 39.4 118.2

Manual Integrations

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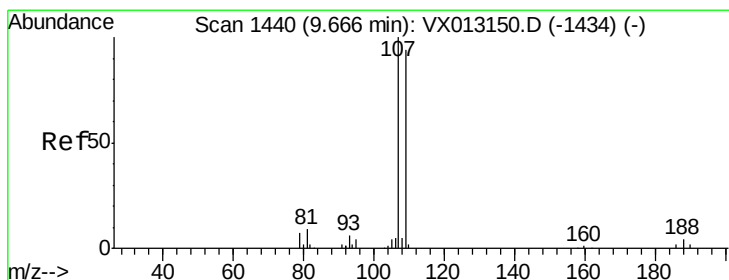
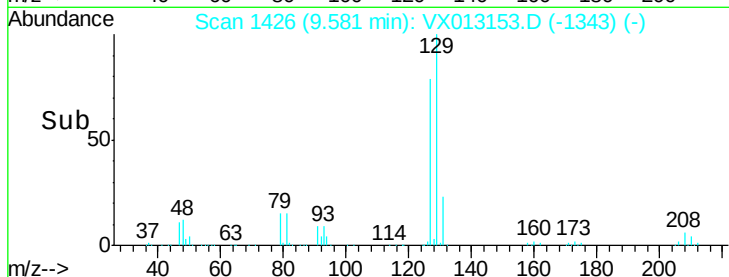
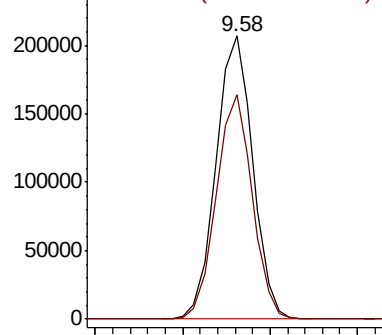
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 149.036 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013153.D

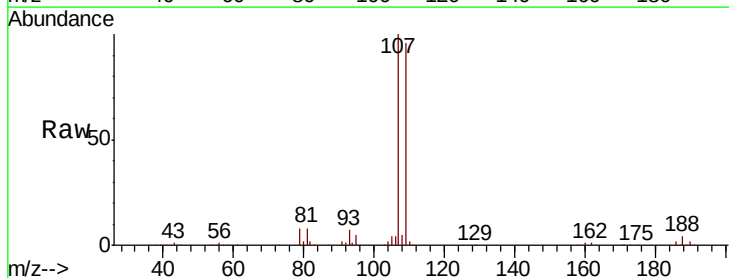
Acq: 21 Oct 2019 14:09

Tgt Ion:107 Resp: 279095

Ion Ratio Lower Upper

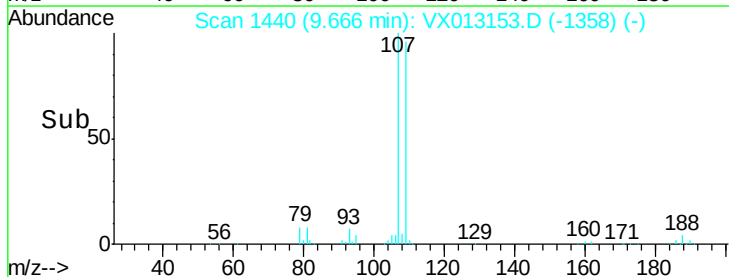
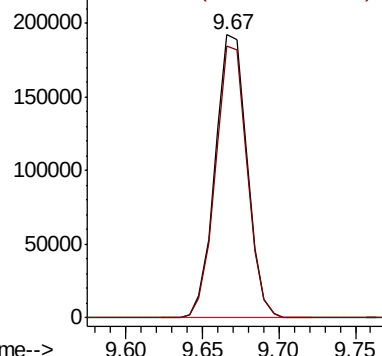
107 100

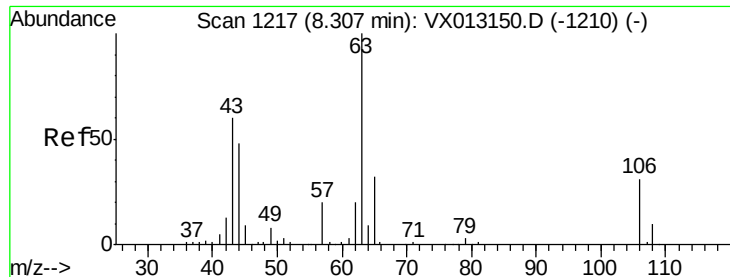
109 95.0 75.4 113.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





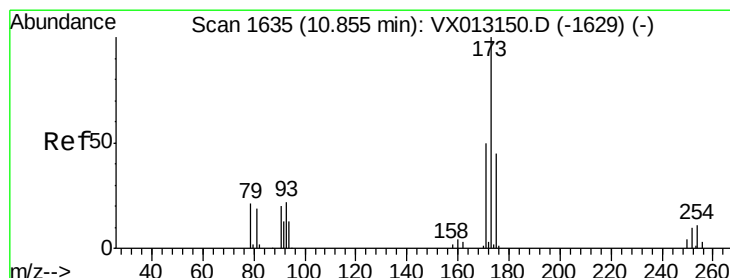
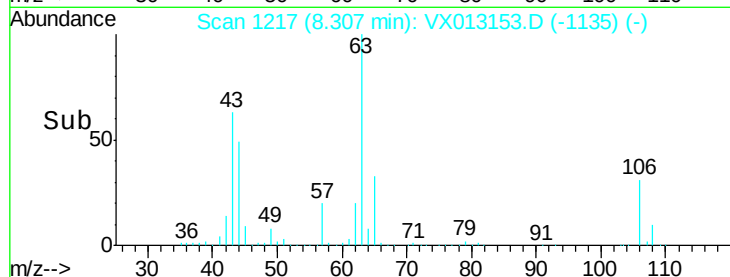
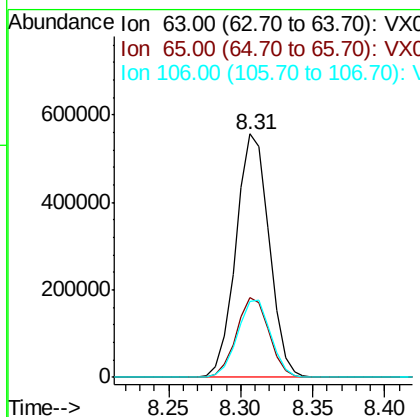
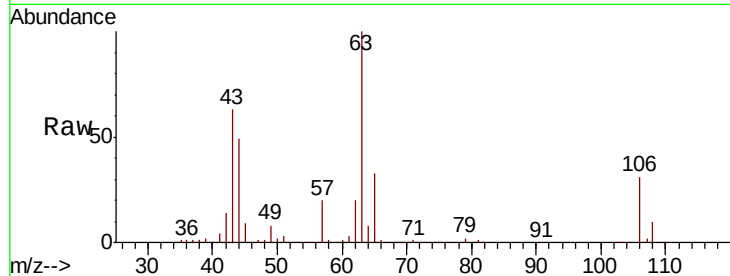
#55
2-Chloroethyl vinyl ether
Concen: 740.595 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.5	38.3
106	31.7	24.8	37.2

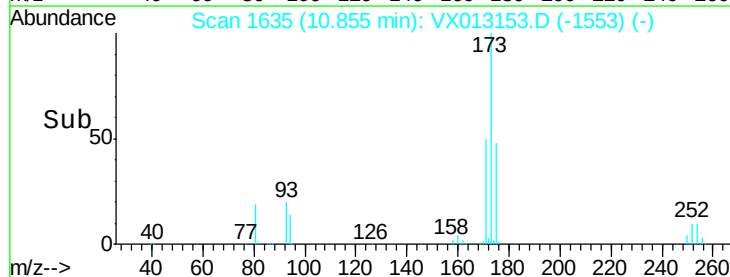
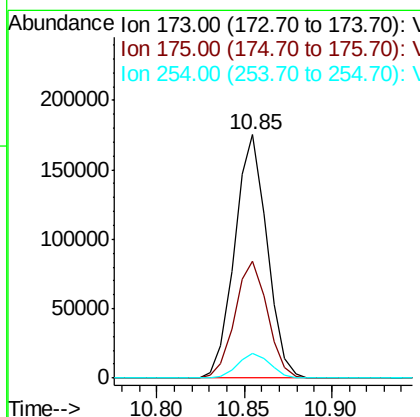
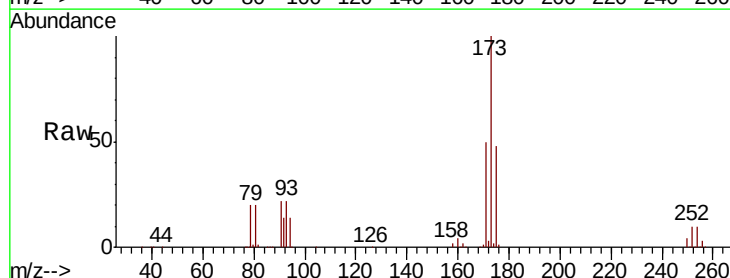
Manual Integrations
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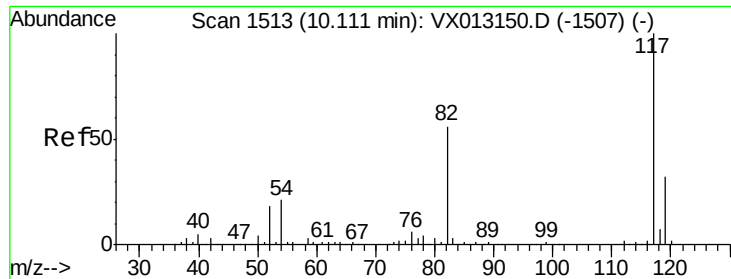
MMDadoda
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#56
Bromoform
Concen: 175.742 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	39.0	58.4
254	10.4	8.1	12.1





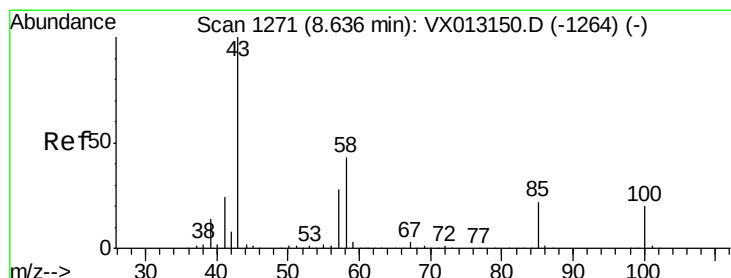
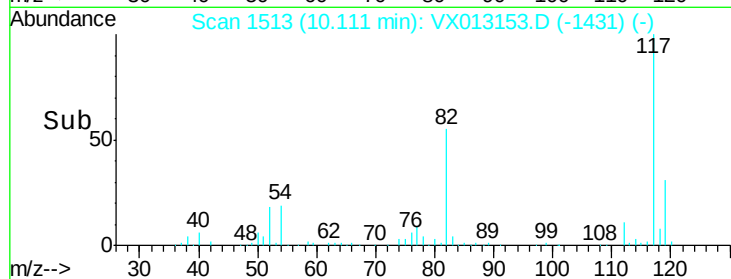
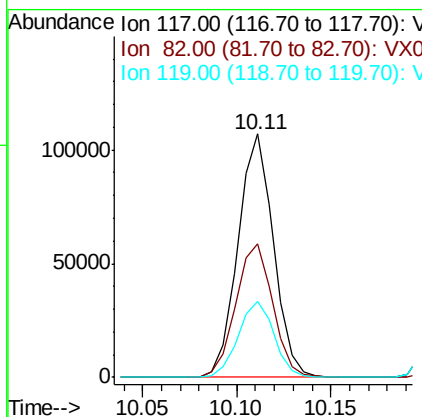
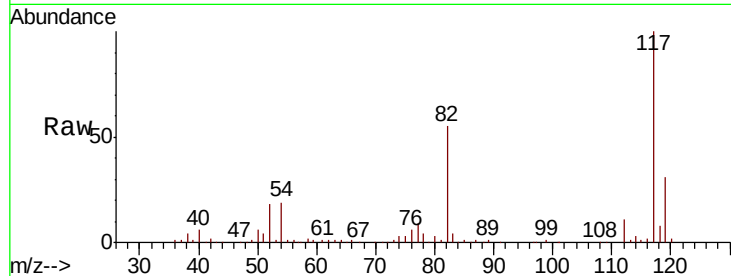
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.0	69.0
119	31.7	25.4	38.0

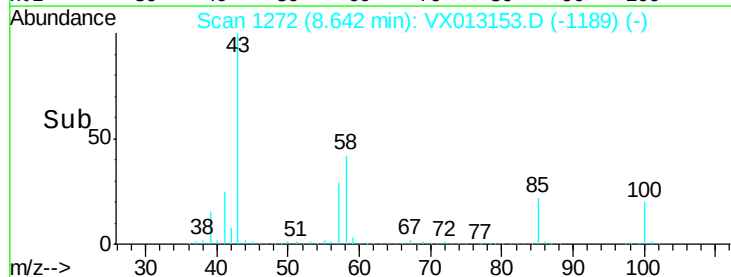
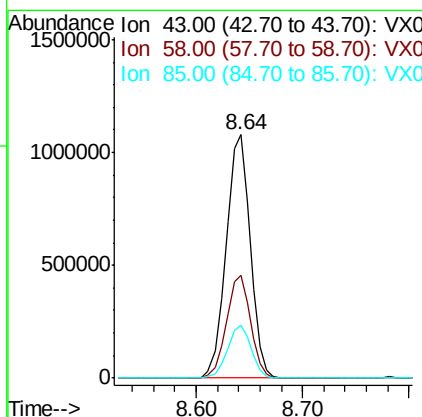
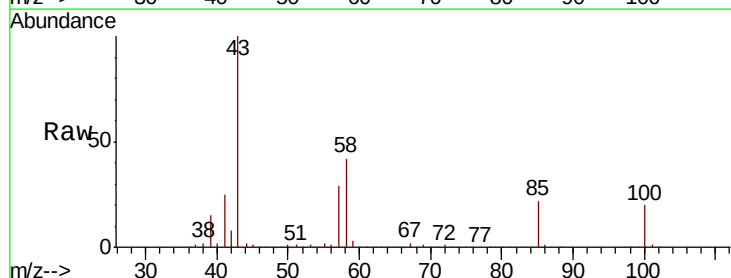
Manual Integrations
APPROVED

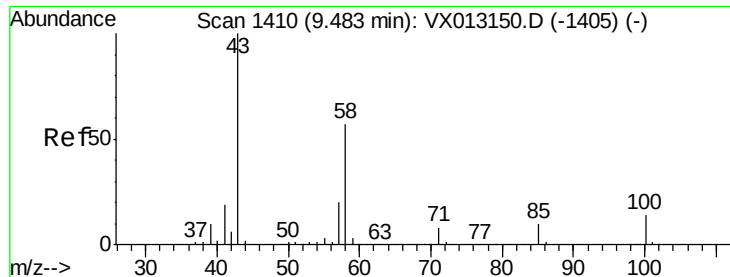
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 679.704 ug/l
RT: 8.64 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.1	33.8	50.8
85	21.3	16.8	25.2





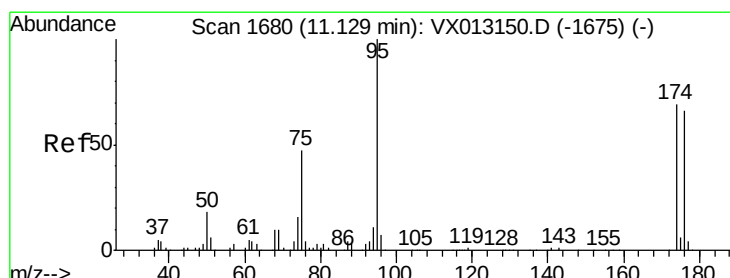
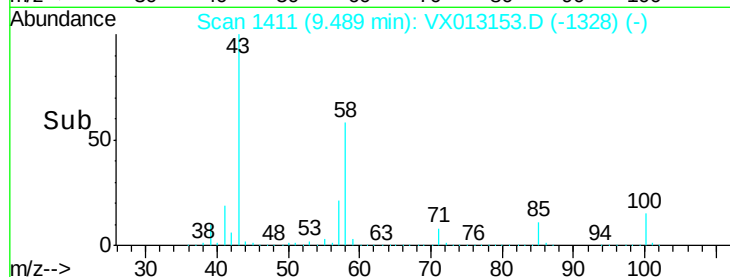
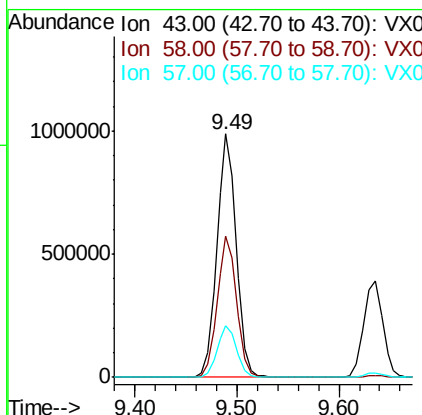
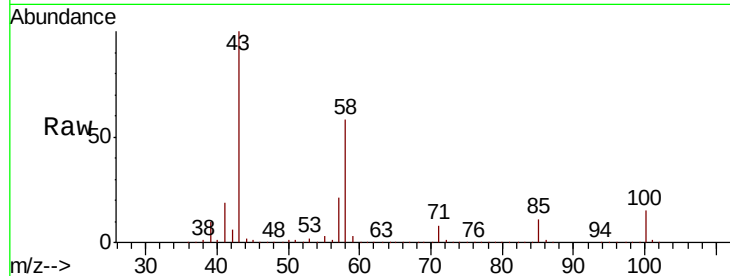
#59
2-Hexanone
Concen: 671.373 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1314968
Ion Ratio Lower Upper
43 100
58 57.9 46.6 69.8
57 21.5 16.9 25.3

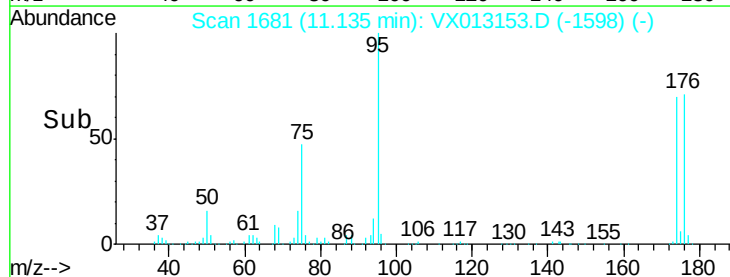
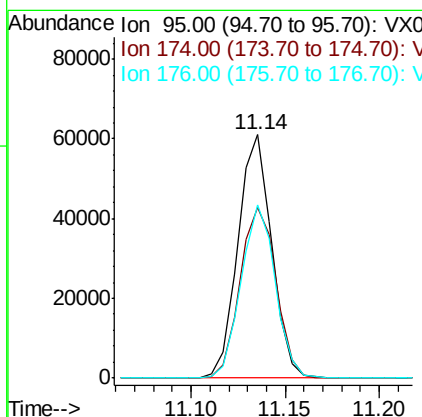
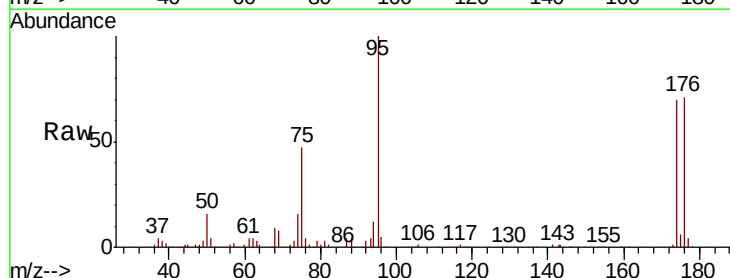
Manual Integrations
APPROVED

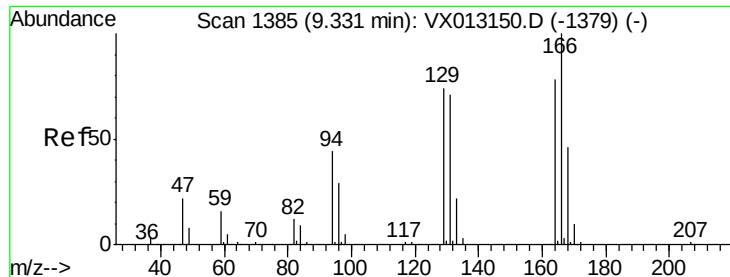
MMDadoda
10/22/2019 12:30:24 PM



#60
4-Bromofluorobenzene
Concen: 31.073 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Tgt Ion: 95 Resp: 75874
Ion Ratio Lower Upper
95 100
174 74.6 60.0 90.0
176 72.0 58.5 87.7





#61

Tetrachloroethene

Concen: 139.494 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 249885

Ion Ratio Lower Upper

164 100

166 124.2 102.6 153.8

129 96.3 75.7 113.5

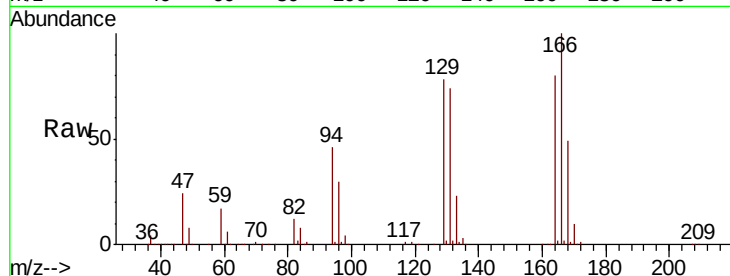
131 92.0 72.4 108.6

Manual Integrations

APPROVED

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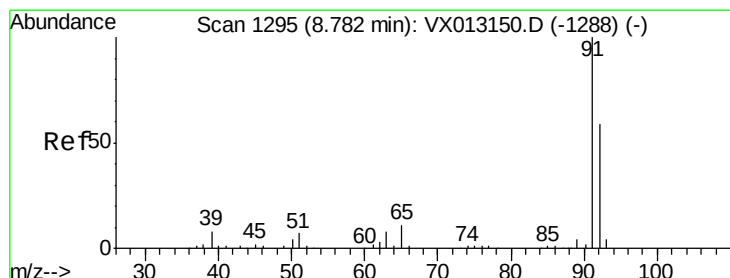
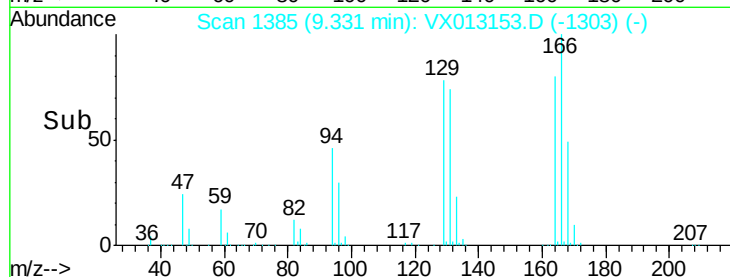
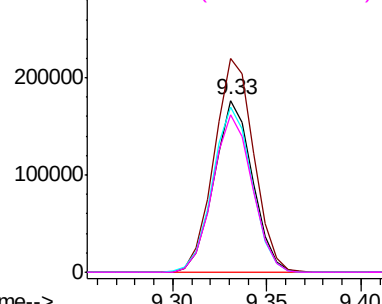


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 143.613 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013153.D

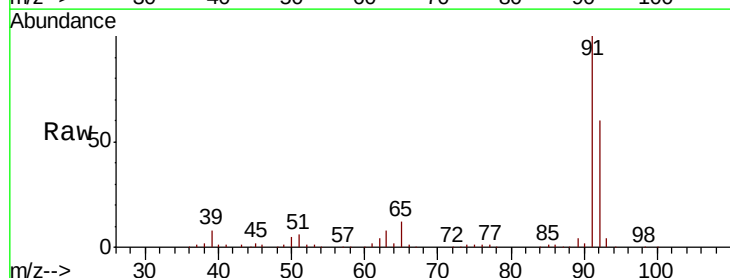
Acq: 21 Oct 2019 14:09

Tgt Ion: 91 Resp: 1089539

Ion Ratio Lower Upper

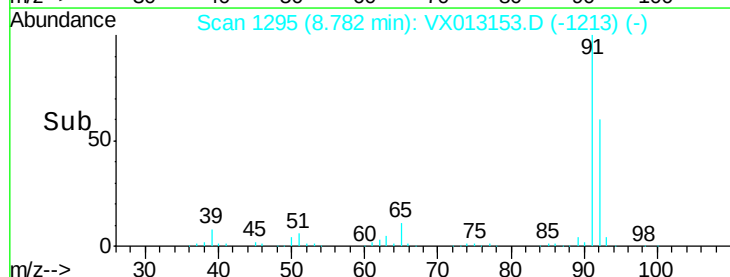
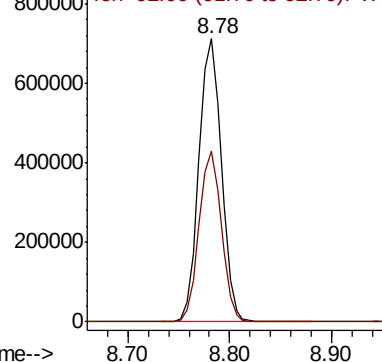
91 100

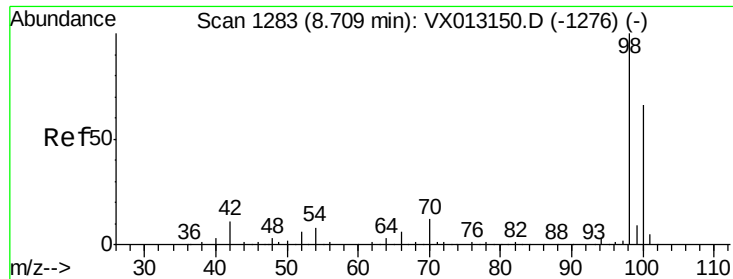
92 59.7 47.7 71.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





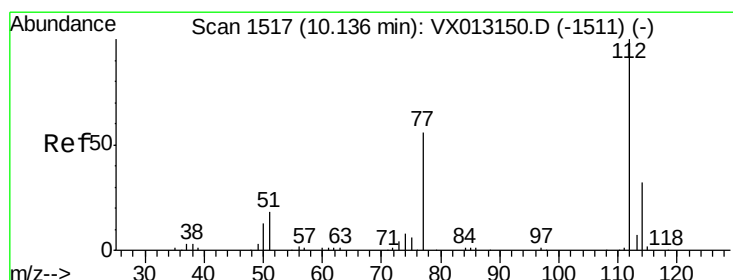
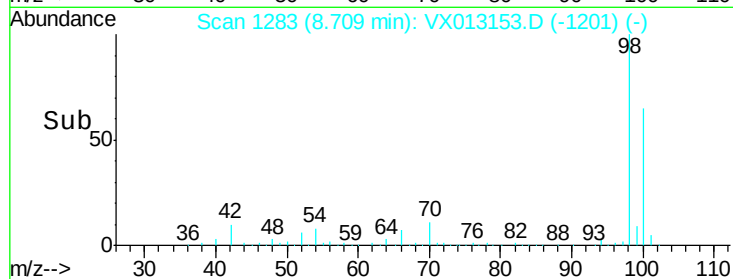
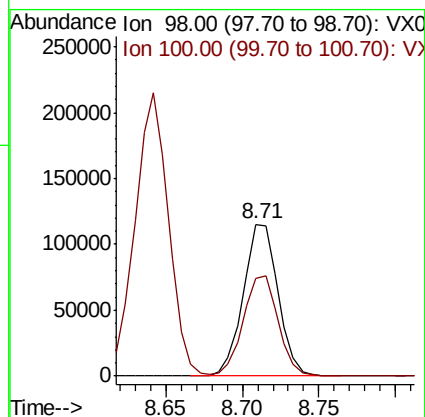
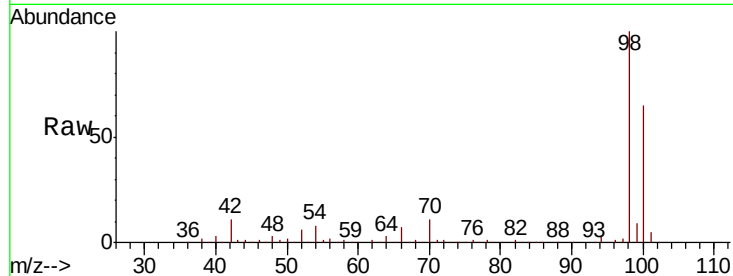
#63
Toluene-d8
Concen: 28.704 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 98 Resp: 182010
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7

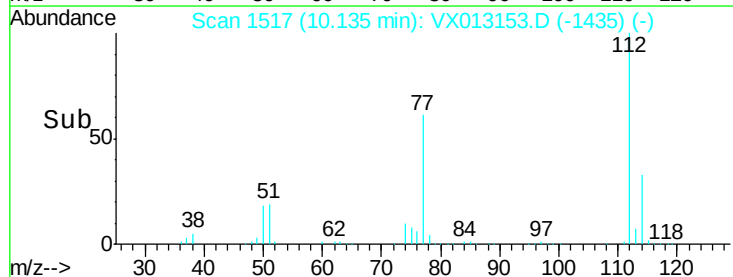
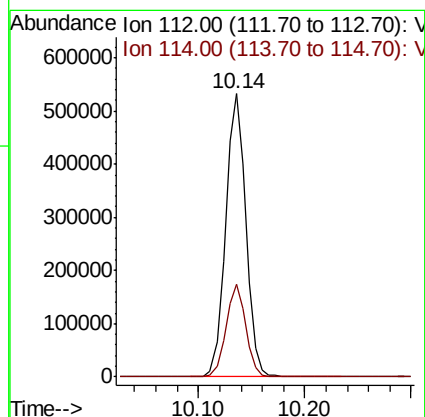
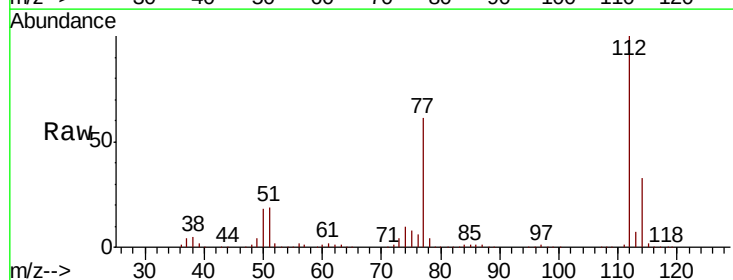
Manual Integrations
APPROVED

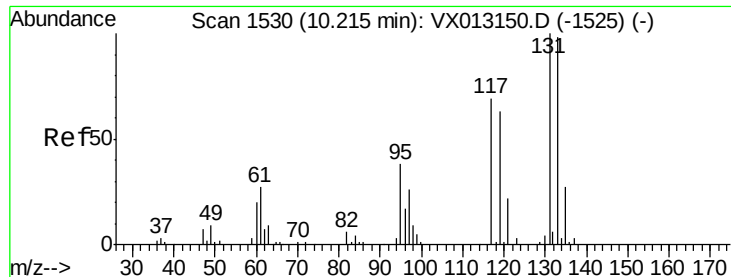
MMDadoda
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#64
Chlorobenzene
Concen: 146.502 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Tgt Ion: 112 Resp: 706841
Ion Ratio Lower Upper
112 100
114 32.9 25.5 38.3





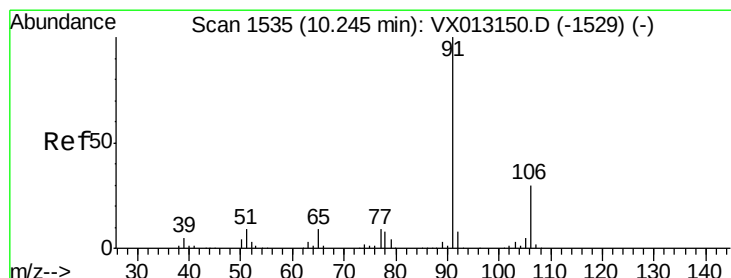
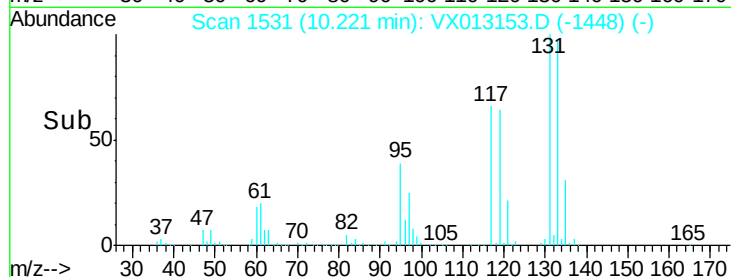
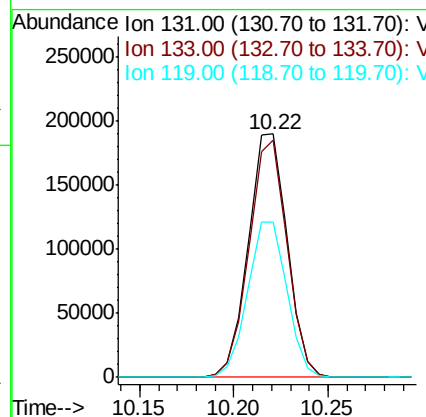
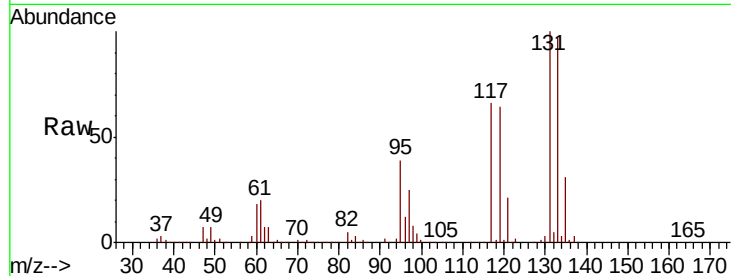
#65
 1,1,1,2-Tetrachloroethane
 Concen: 153.178 ug/l
 RT: 10.22 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
131	100	273079		
133	95.0	0.0	191.0	
119	64.2	0.0	125.6	

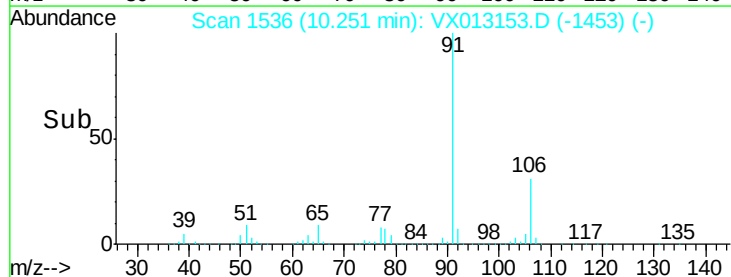
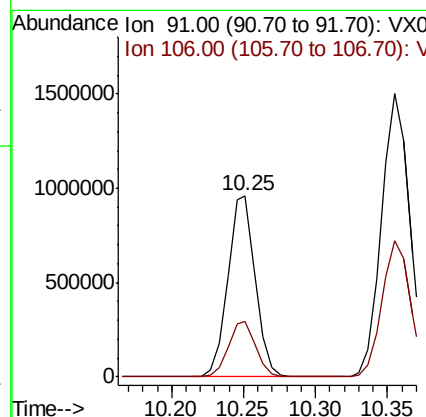
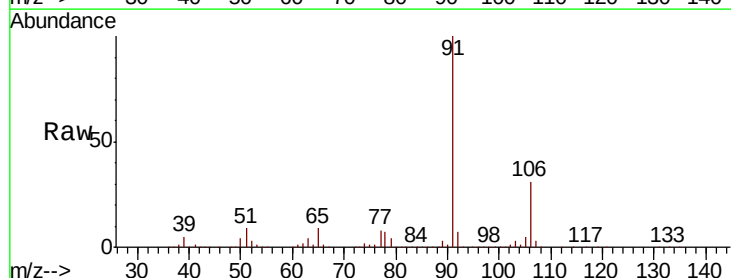
Manual Integrations
 APPROVED

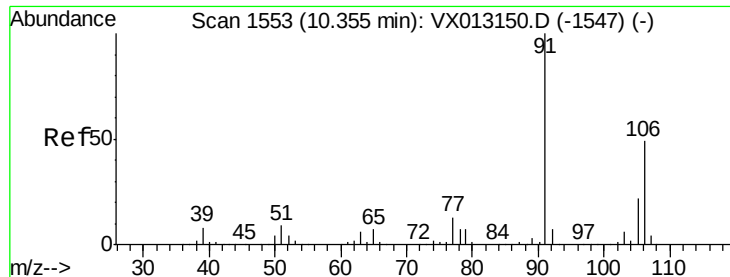
MMDadoda
 10/22/2019 12:30:24 PM



#66
 Ethyl Benzene
 Concen: 148.061 ug/l
 RT: 10.25 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1285934		
106	30.8	23.8	35.6	





#67

m/p-Xylenes

Concen: 296.603 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:106 Resp: 971064

Ion Ratio Lower Upper

106 100

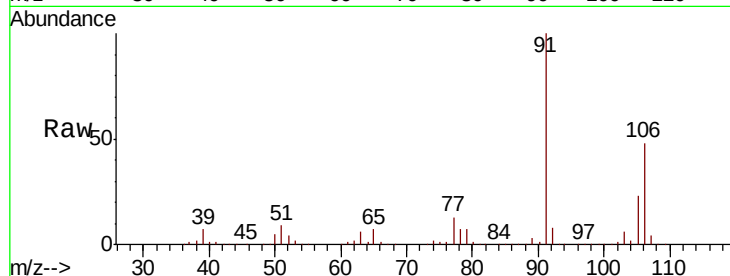
91 206.8 163.7 245.5

Manual Integrations

APPROVED

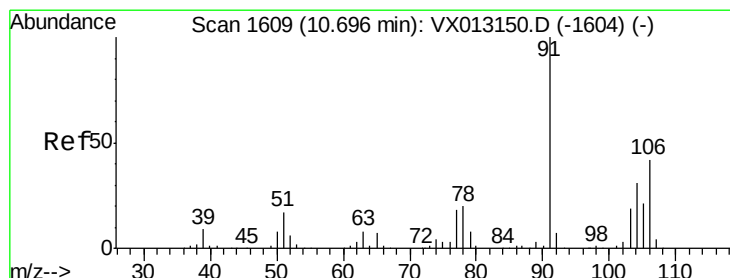
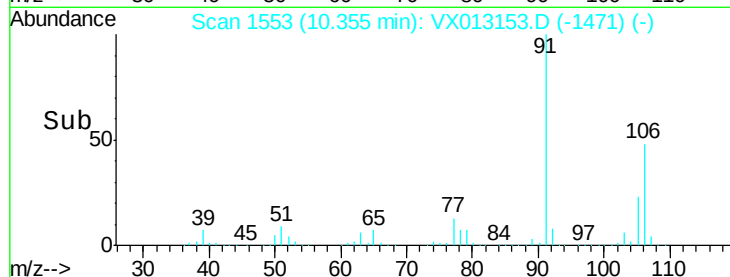
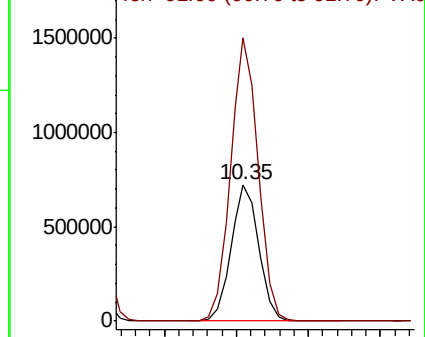
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 147.908 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013153.D

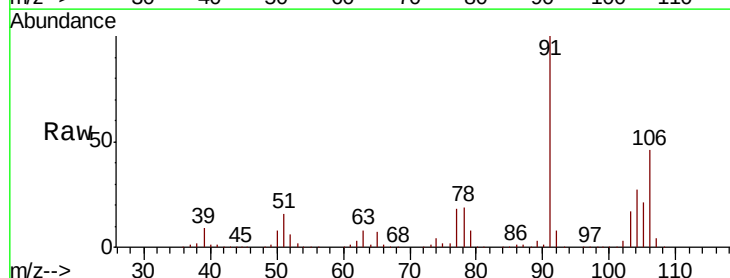
Acq: 21 Oct 2019 14:09

Tgt Ion:106 Resp: 466813

Ion Ratio Lower Upper

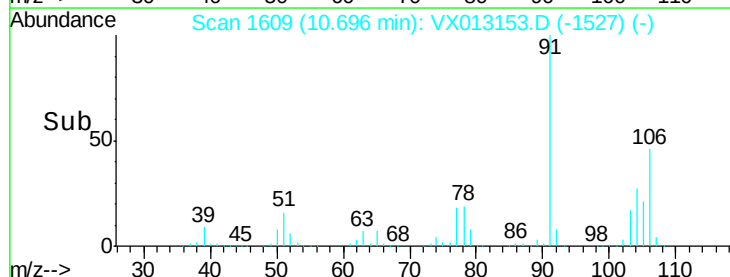
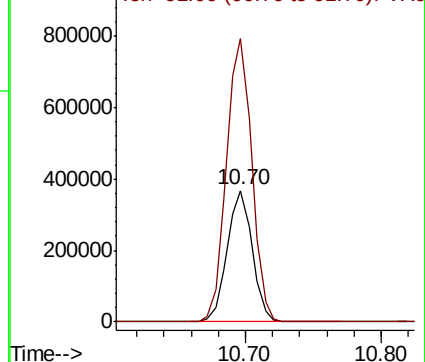
106 100

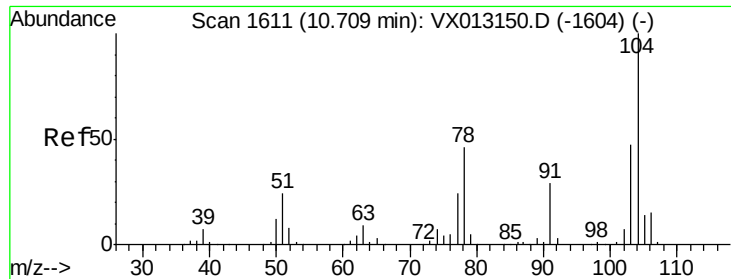
91 219.3 113.6 340.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





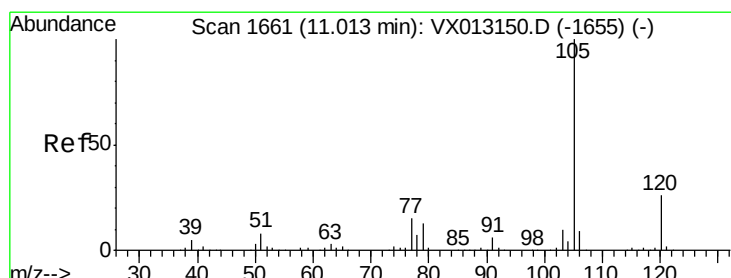
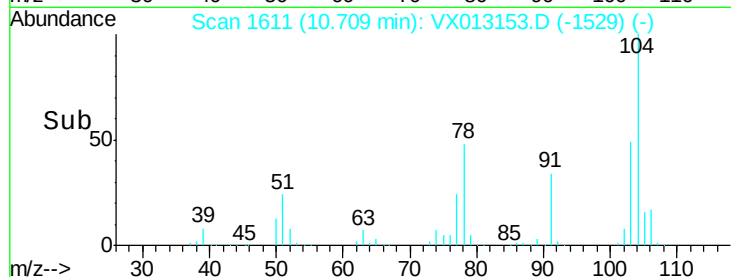
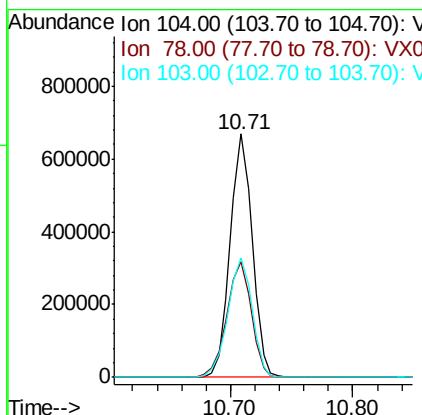
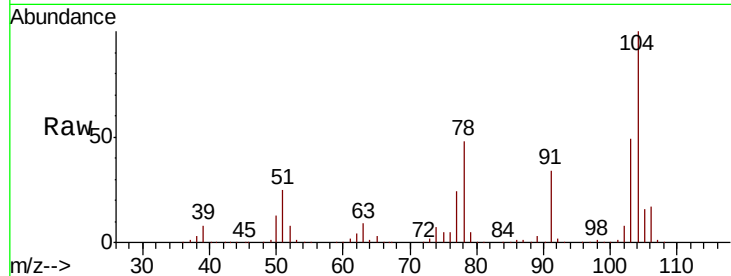
#69
Stvrene
Concen: 151.848 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.3	63.5
103	54.0	42.2	63.2

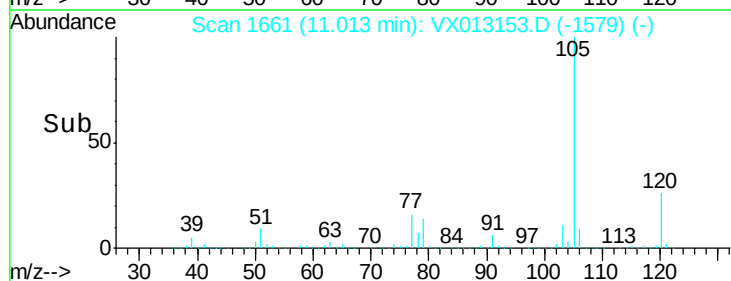
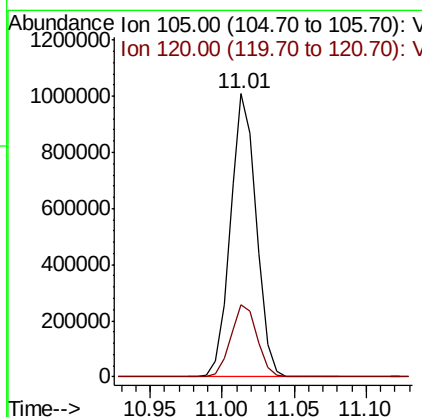
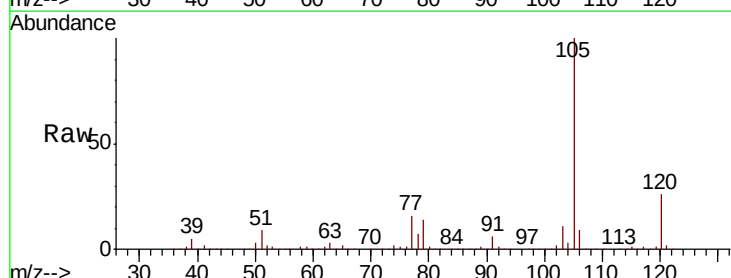
Manual Integrations
APPROVED

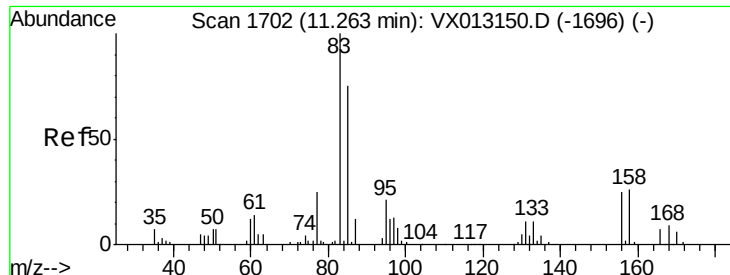
MMDadoda
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#70
Isopropylbenzene
Concen: 148.561 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	18.1	33.7





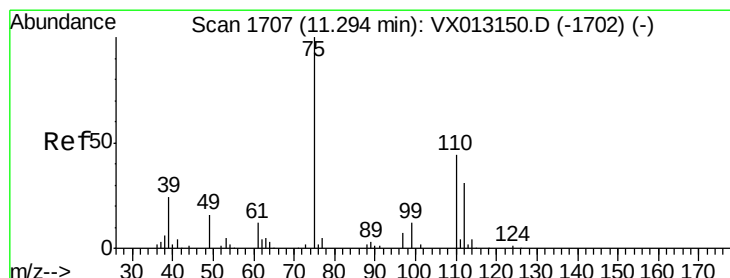
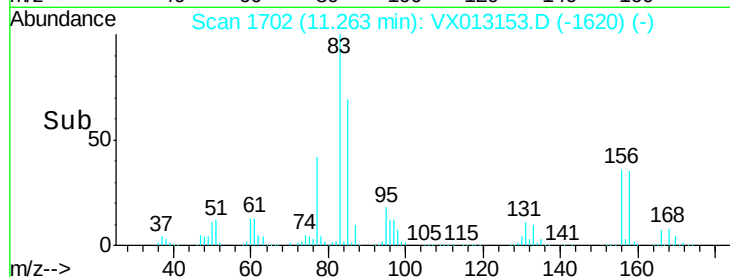
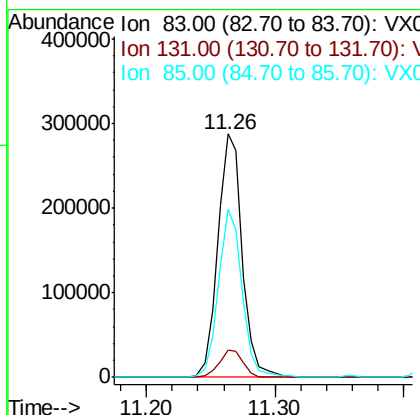
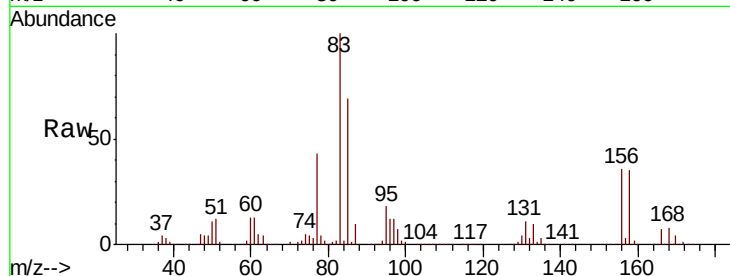
#71
 1,1,2,2-Tetrachloroethane
 Concen: 140.189 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	83	Resp	382887
Ion Ratio	100	Lower	Upper
83	100		
131	11.2	5.5	16.4
85	67.2	32.9	98.6

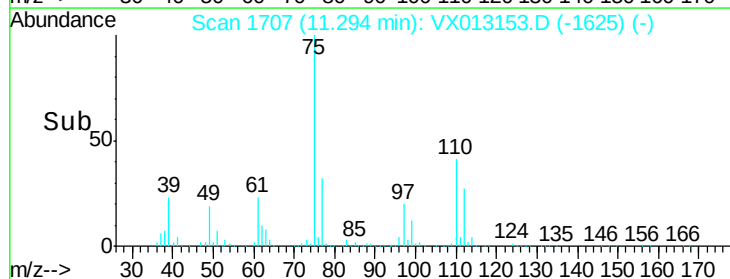
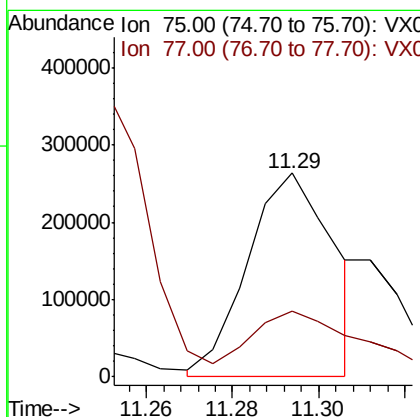
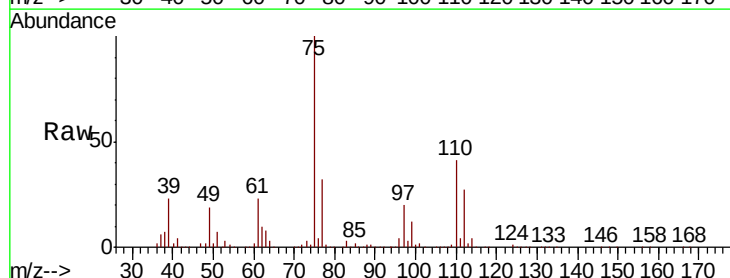
Manual Integrations
 APPROVED

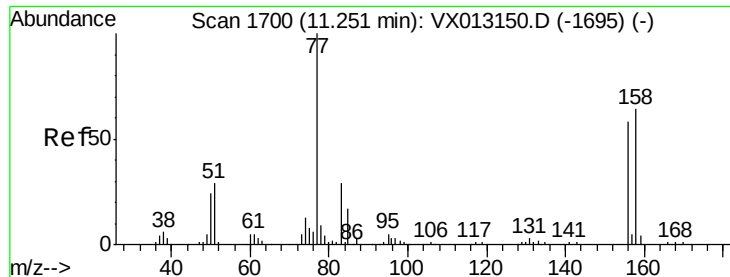
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#72
 1,2,3-Trichloropropane
 Concen: 153.723 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Tgt Ion	75	Resp	363596
Ion Ratio	100	Lower	Upper
75	100		
77	42.0	0.0	74.0





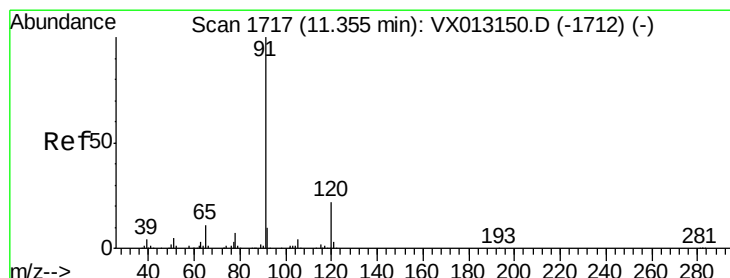
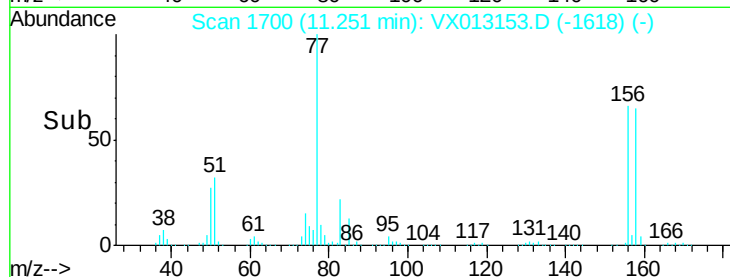
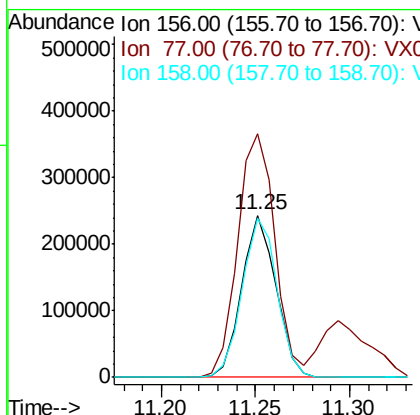
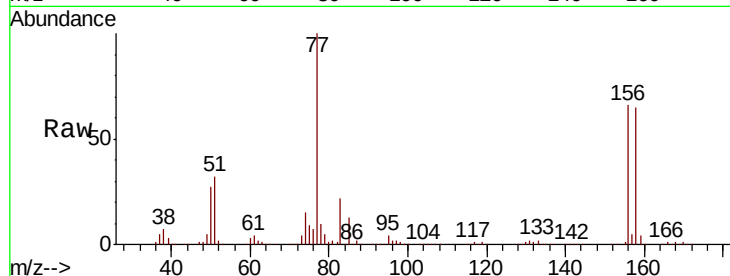
#73
Bromobenzene
Concen: 151.656 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
156	100	308415		
77	162.7	0.0	328.0	
158	99.8	0.0	196.2	

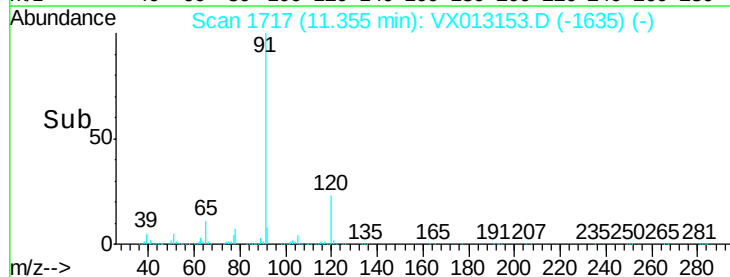
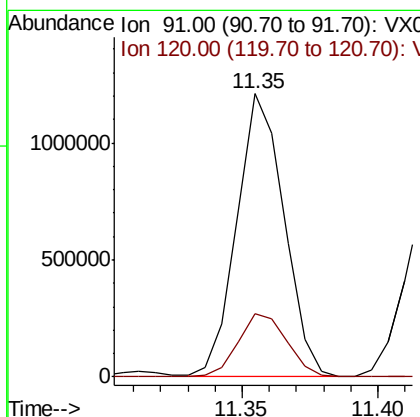
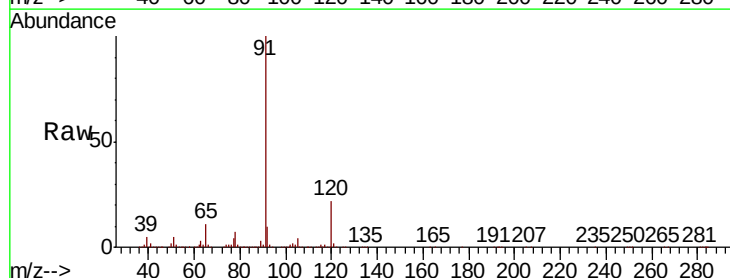
Manual Integrations
APPROVED

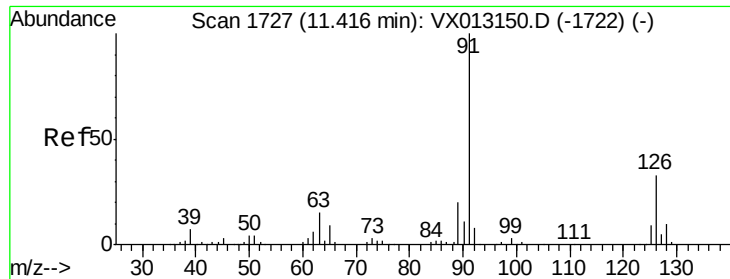
MMDadoda
10/22/2019 12:30:24 PM



#74
n-propylbenzene
Concen: 154.391 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1462932		
120	22.8	0.0	45.2	





#75

2-Chlorotoluene

Concen: 152.475 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 894753

Ion Ratio Lower Upper

91 100

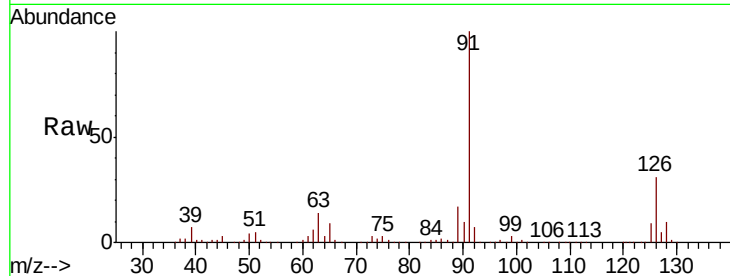
126 33.0 0.0 63.8

Manual Integrations

APPROVED

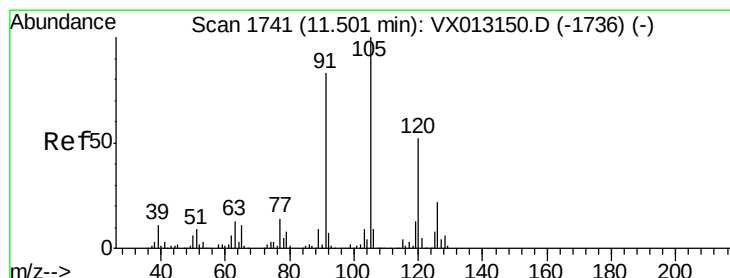
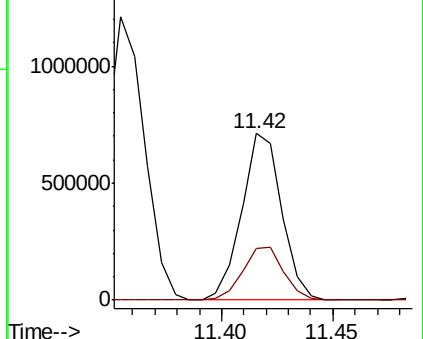
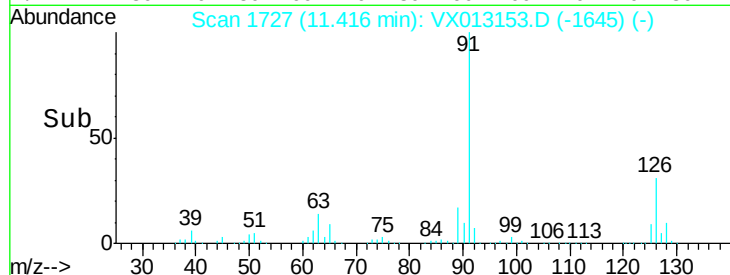
MMDadoda

10/22/2019 12:30:24 PM



Abundance Ion 91.00 (90.70 to 91.70): VX013153.D (-1645) (-)

Ion 126.00 (125.70 to 126.70): VX013153.D (-1645) (-)



#76

1,3,5-Trimethylbenzene

Concen: 153.645 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013153.D

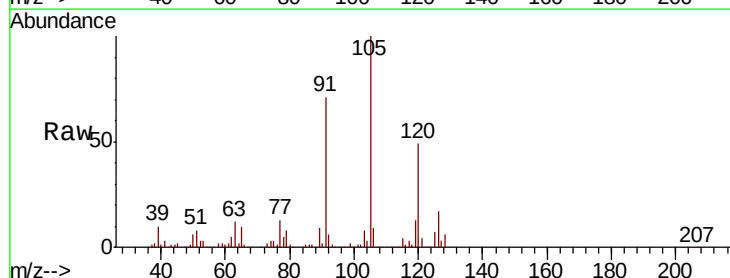
Acq: 21 Oct 2019 14:09

Tgt Ion: 105 Resp: 1109843

Ion Ratio Lower Upper

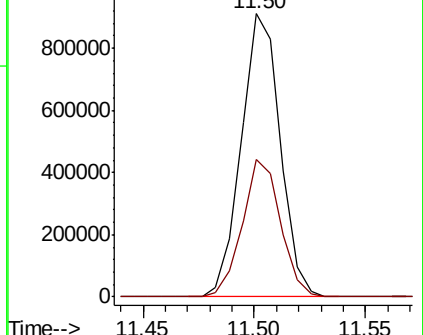
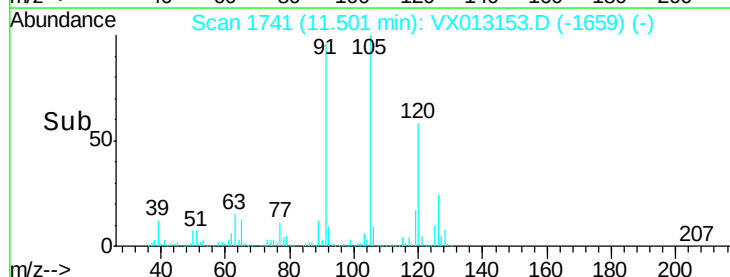
105 100

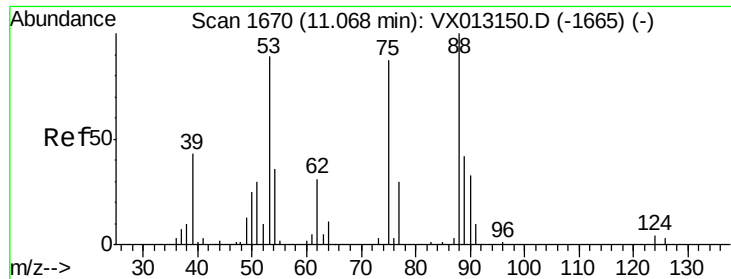
120 47.6 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VX013153.D (-1659) (-)

Ion 120.00 (119.70 to 120.70): VX013153.D (-1659) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 165.686 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 148519

Ion Ratio Lower Upper

75 100

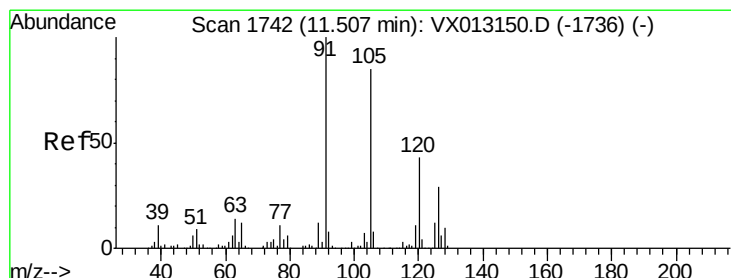
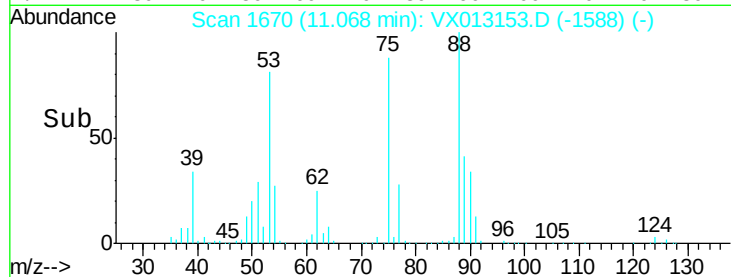
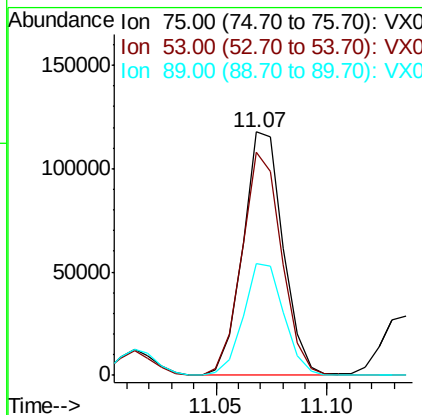
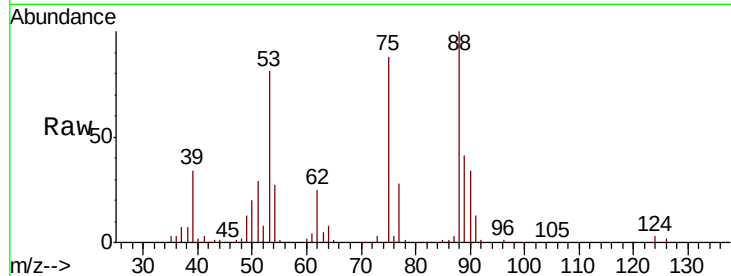
53 91.8 51.1 153.4

89 46.1 24.1 72.4

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#78

4-Chlorotoluene

Concen: 154.904 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013153.D

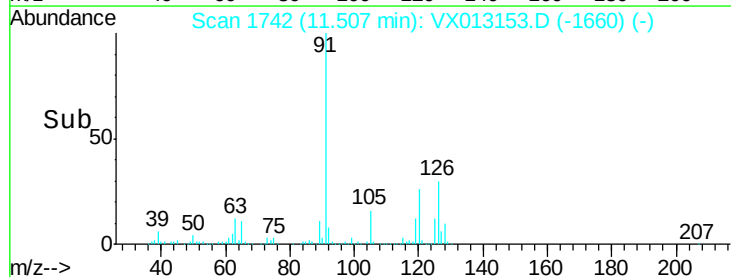
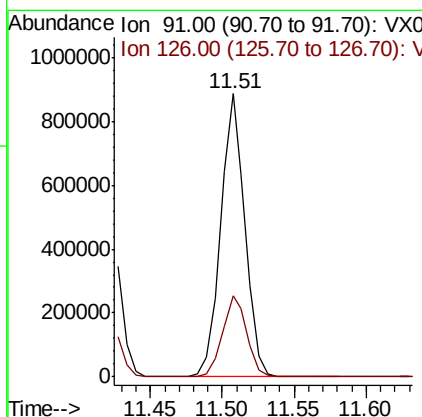
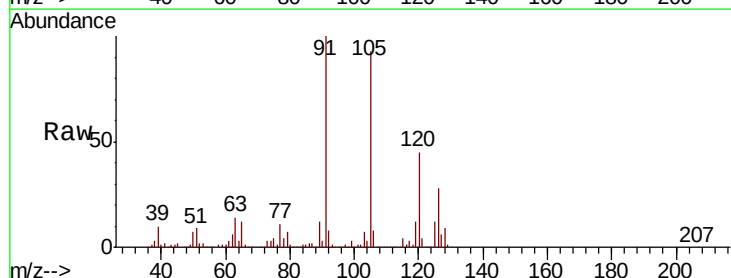
Acq: 21 Oct 2019 14:09

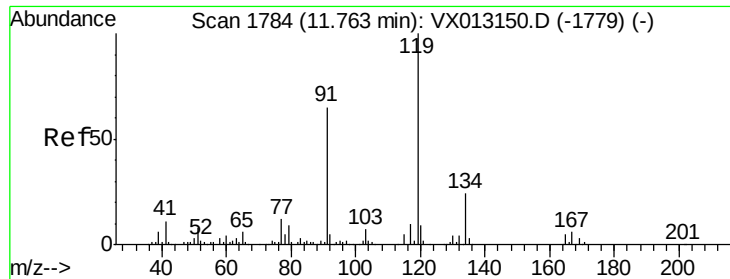
Tgt Ion: 91 Resp: 1043400

Ion Ratio Lower Upper

91 100

126 28.6 0.0 58.4





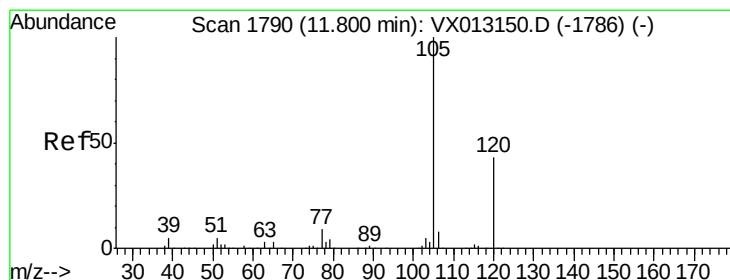
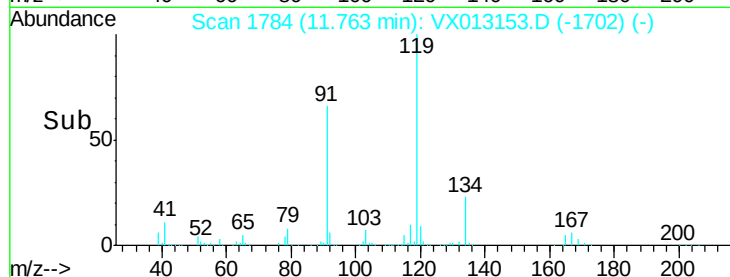
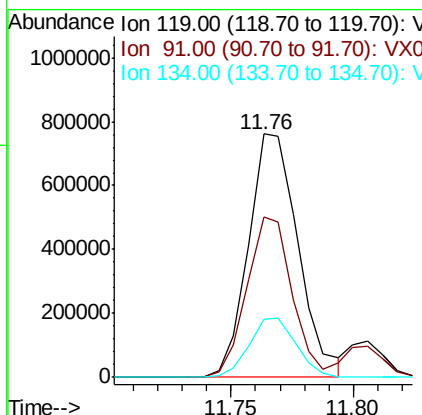
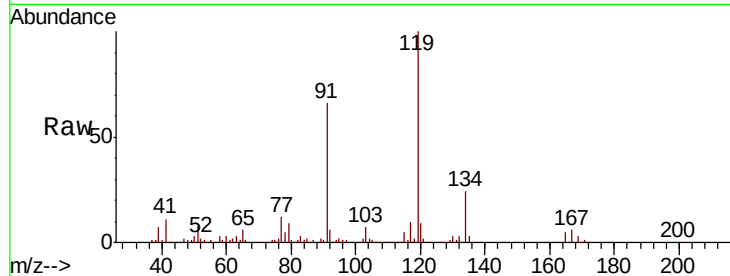
#79
tert-butylbenzene
Concen: 158.771 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.8	0.0	128.4
134	22.9	0.0	49.0

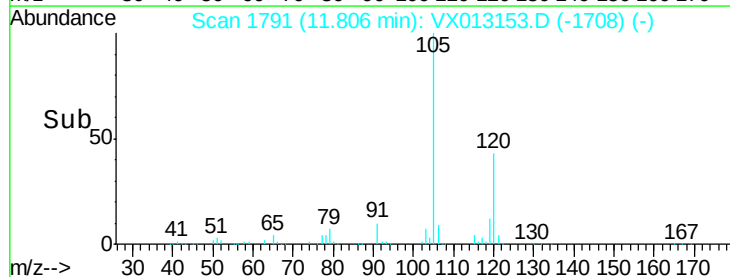
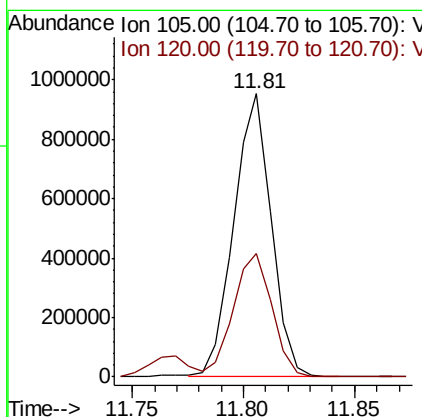
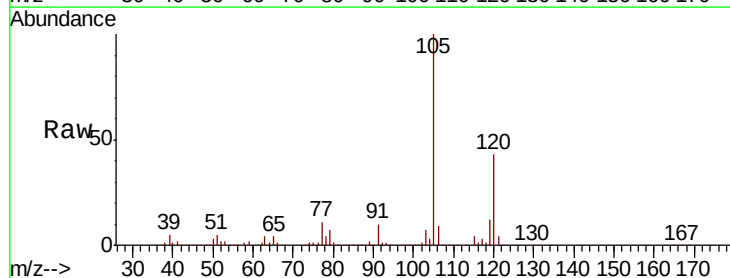
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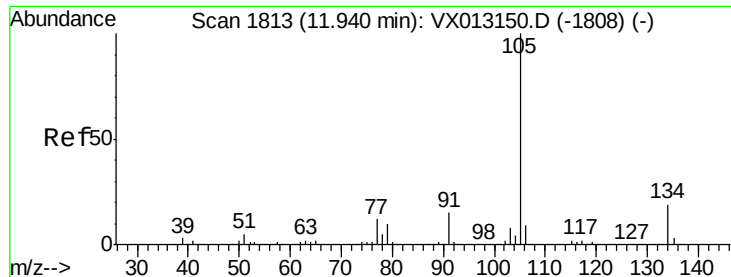
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#80
1,2,4-Trimethylbenzene
Concen: 155.193 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	0.0	87.4





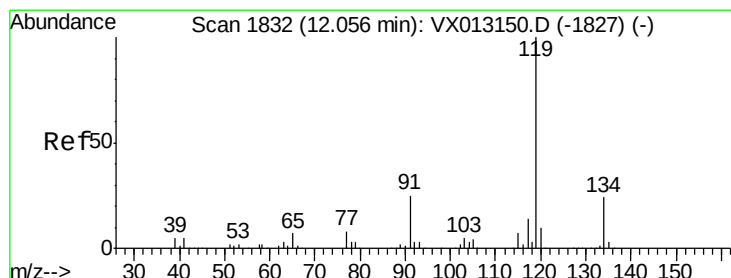
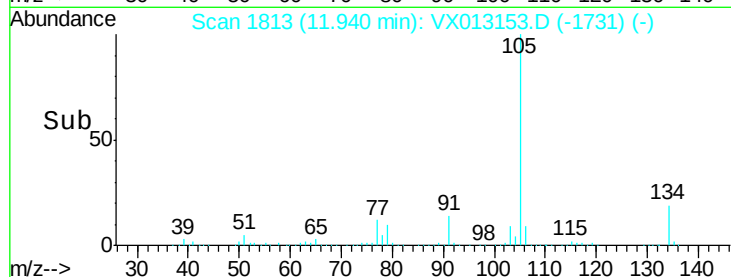
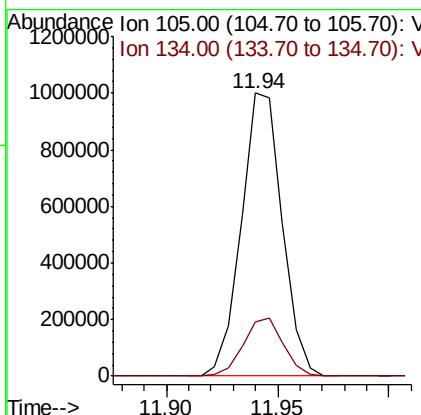
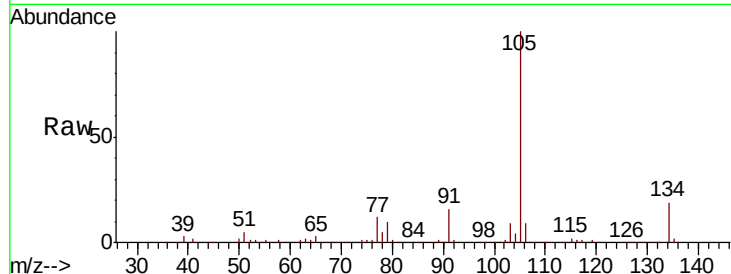
#81
 sec-Butylbenzene
 Concen: 155.580 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICC150

Tot Ion:105 Resp: 1281524
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 39.2

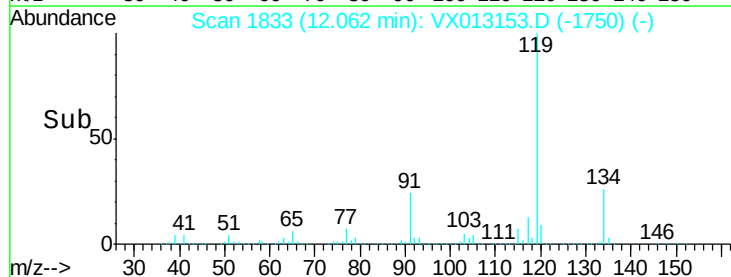
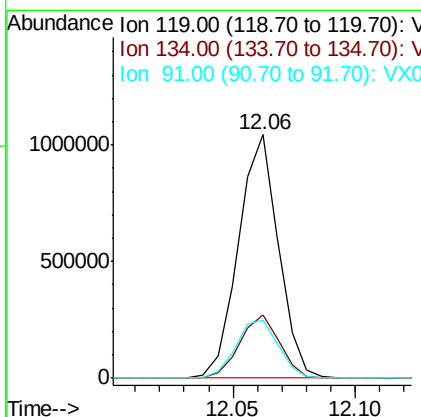
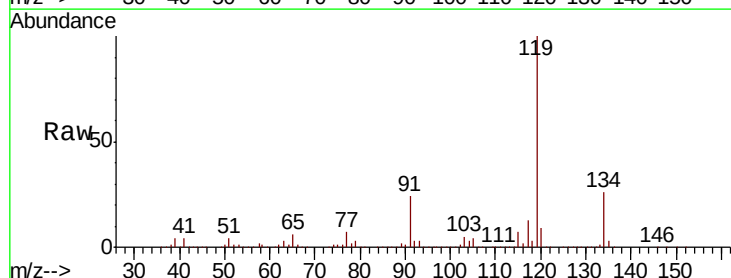
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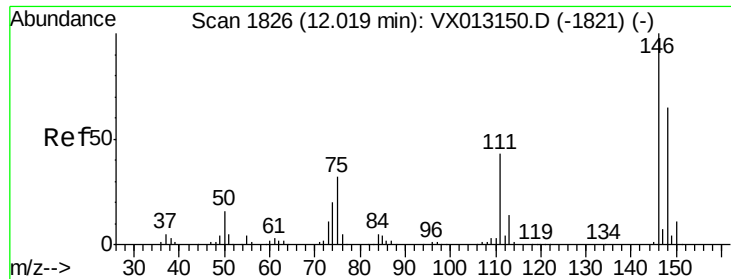
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#82
 p-Isopropyltoluene
 Concen: 157.108 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Tgt Ion:119 Resp: 1182216
 Ion Ratio Lower Upper
 119 100
 134 26.0 0.0 51.6
 91 25.5 0.0 50.0





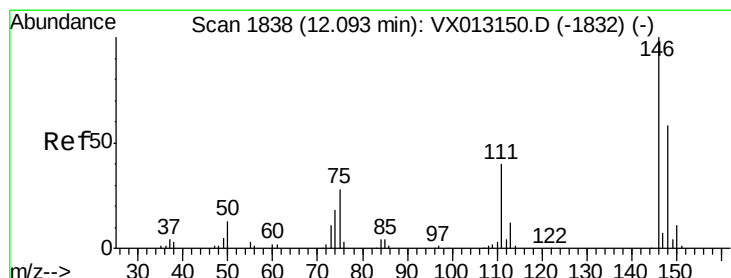
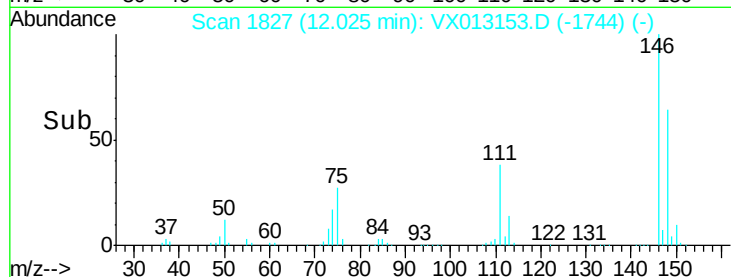
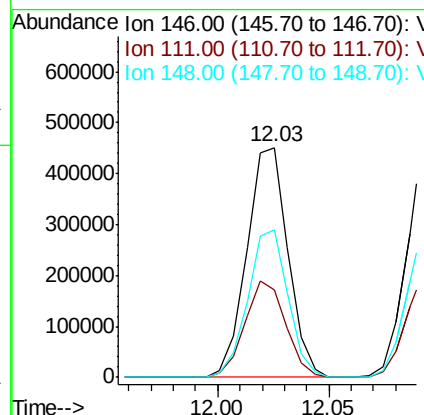
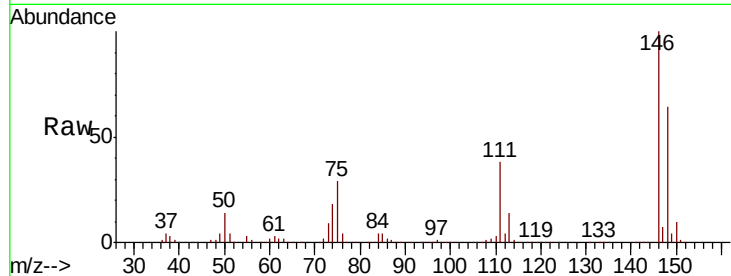
#83
 1,3-Dichlorobenzene
 Concen: 158.549 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.8	65.4
148	62.8	31.2	93.6

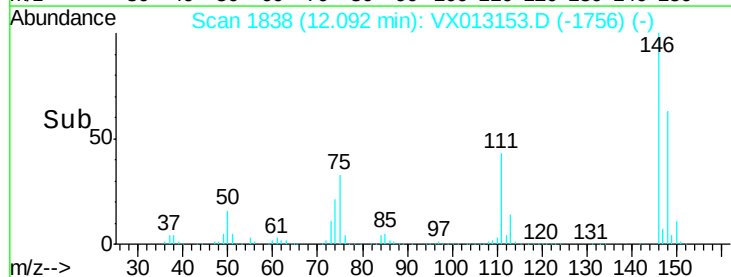
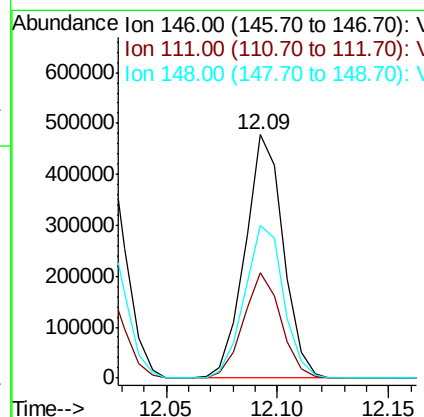
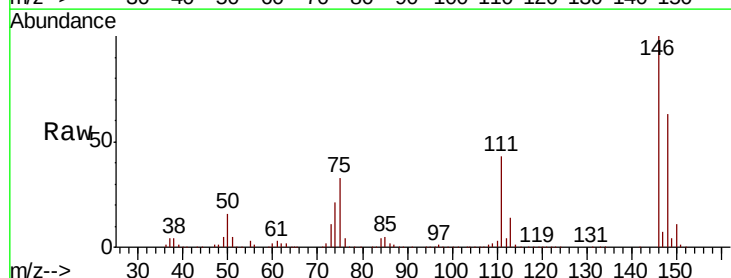
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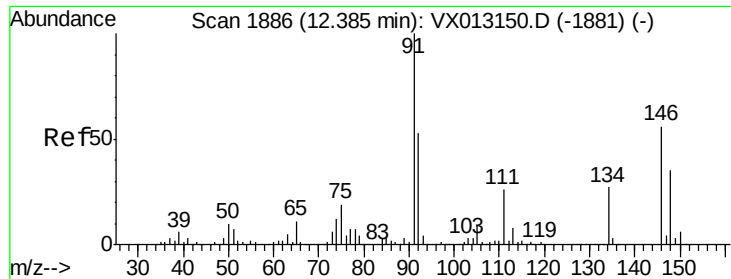
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#84
 1,4-Dichlorobenzene
 Concen: 154.152 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.3	60.9
148	64.2	31.4	94.2





#85

n-Butylbenzene

Concen: 165.866 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013153.D

Acq: 21 Oct 2019 14:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1059714

Ion Ratio Lower Upper

91 100

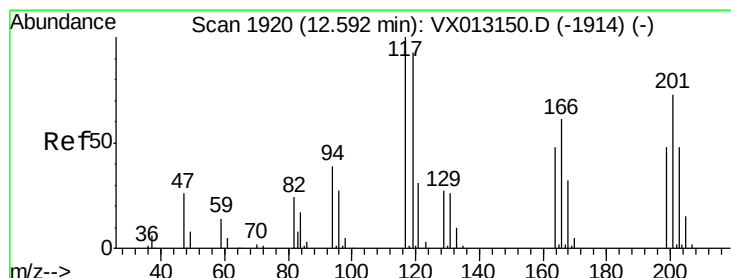
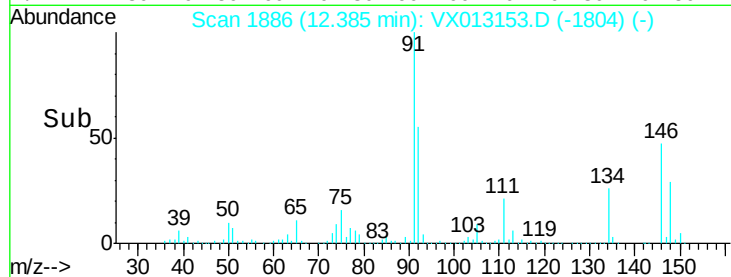
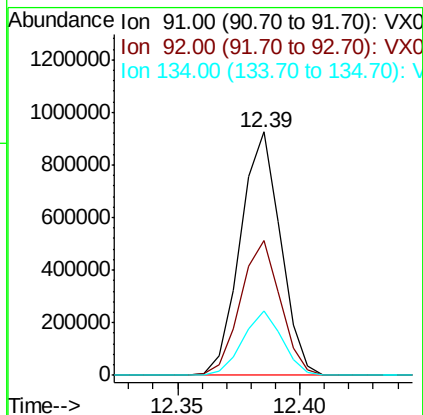
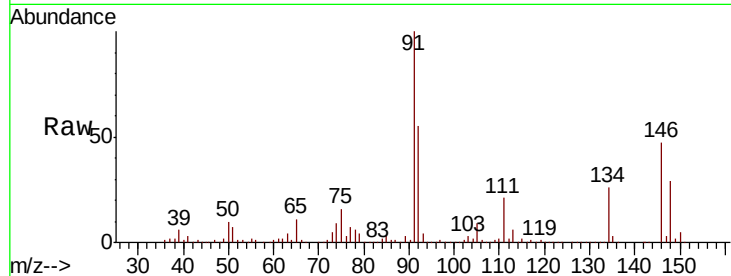
92 55.0 0.0 106.8

134 25.9 0.0 52.4

Manual Integrations
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#86

Hexachloroethane

Concen: 170.922 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX013153.D

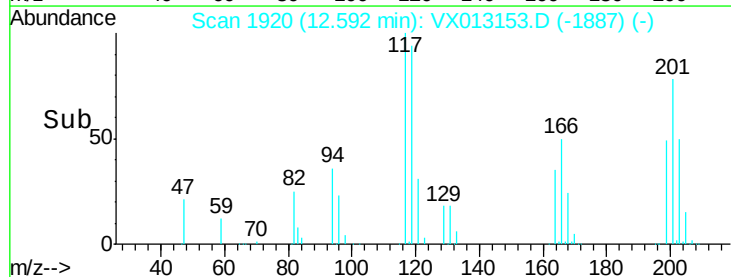
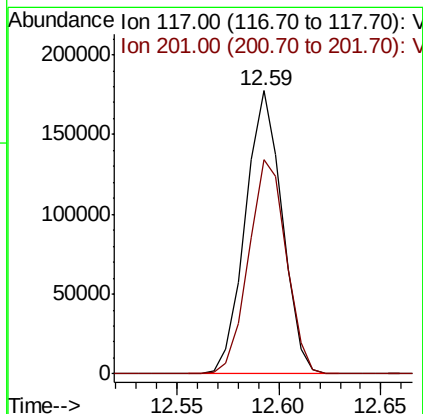
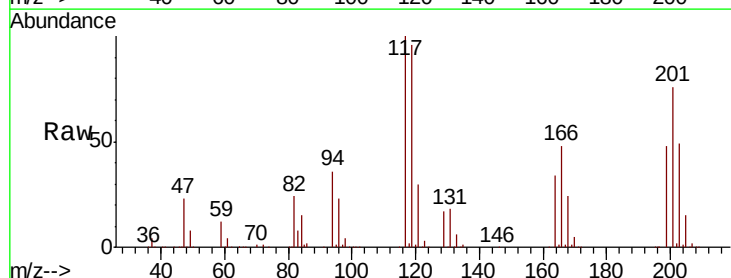
Acq: 21 Oct 2019 14:09

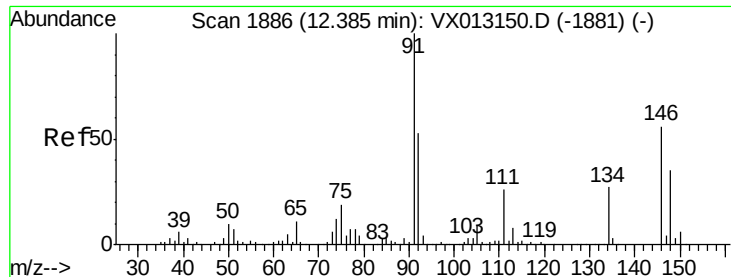
Tgt Ion: 117 Resp: 222327

Ion Ratio Lower Upper

117 100

201 77.5 35.9 107.5





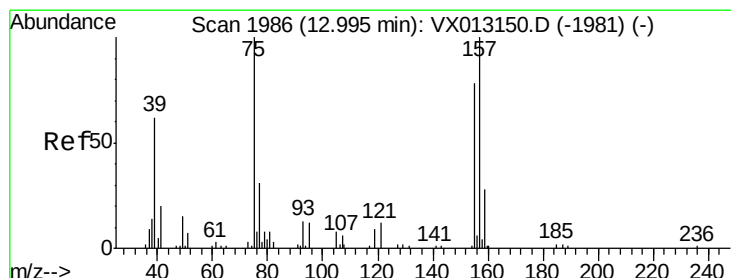
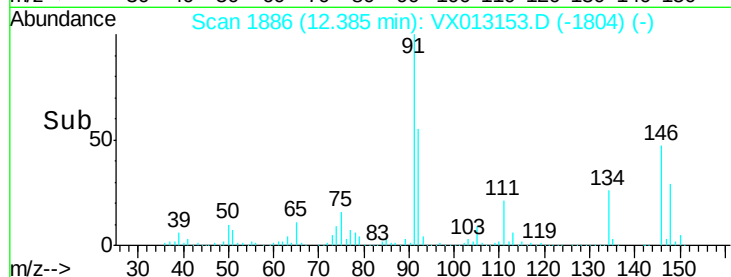
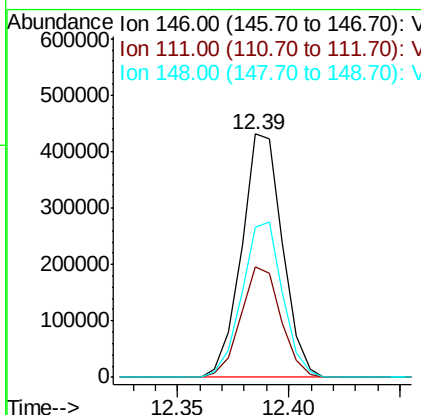
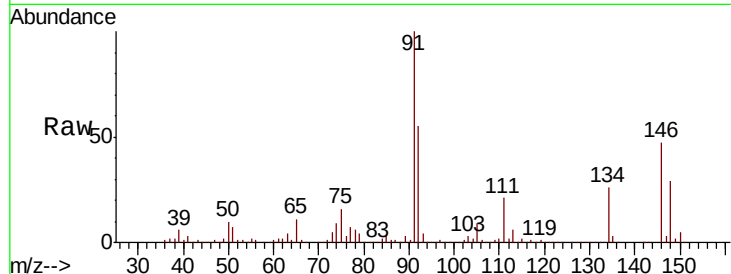
#87
 1,2-Dichlorobenzene
 Concen: 152.045 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	554196		
111	44.5	22.5	67.5	
148	63.2	31.4	94.2	

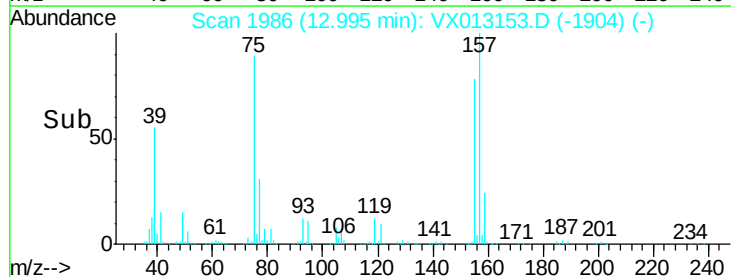
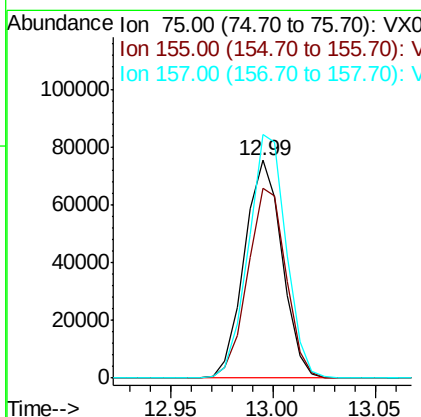
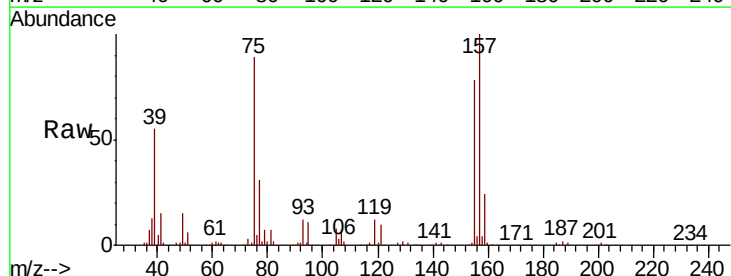
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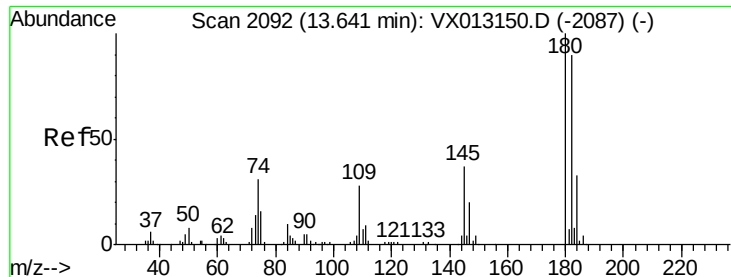
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 150.680 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	97285		
155	88.2	65.4	98.0	
157	111.4	84.1	126.1	





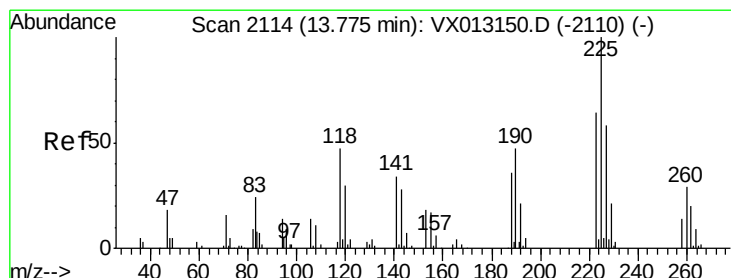
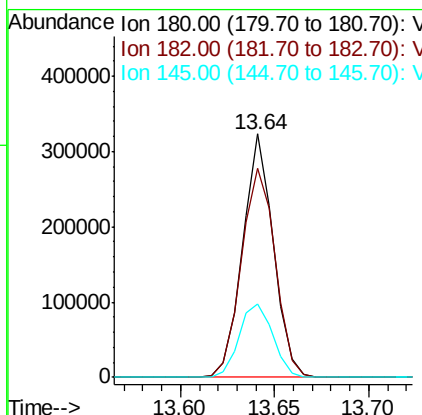
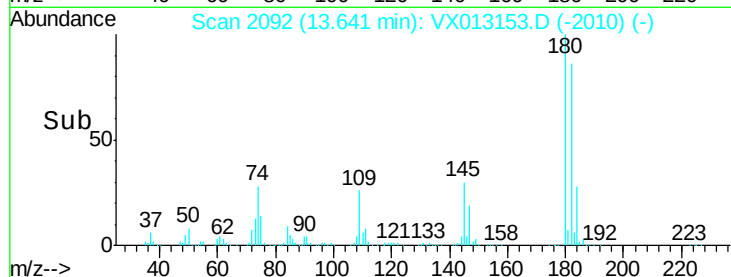
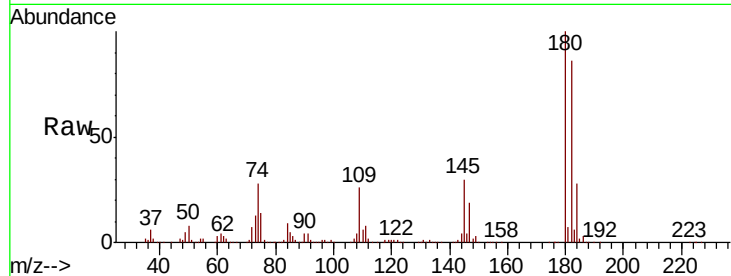
#89
 1,2,4-Trichlorobenzene
 Concen: 161.704 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	180	Resp:	365647
Ion Ratio	Lower	Upper	
180	100		
182	94.2	76.1	114.1
145	32.9	27.4	41.2

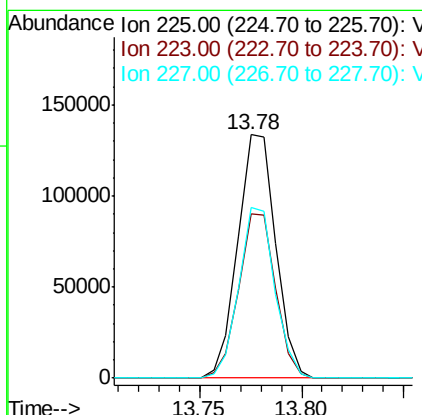
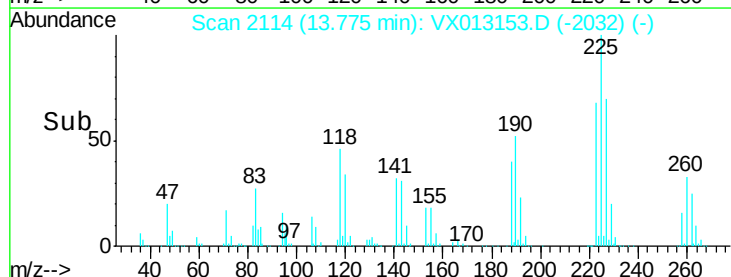
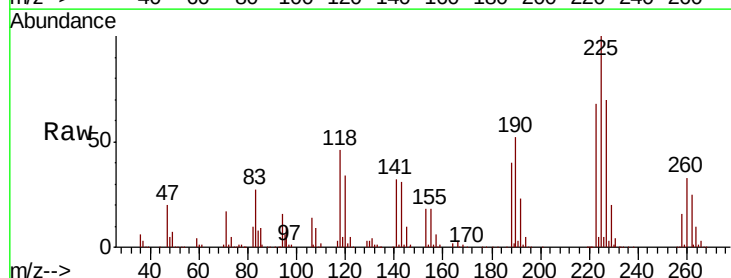
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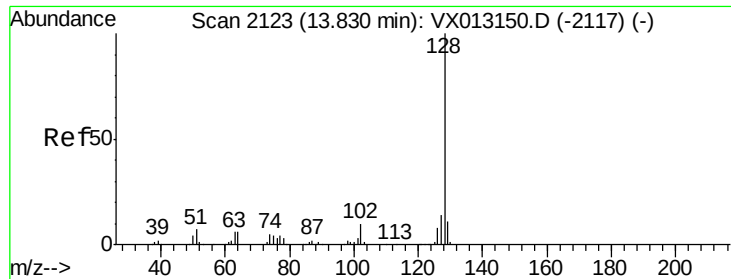
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#90
 Hexachlorobutadiene
 Concen: 159.291 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013153.D
 Acq: 21 Oct 2019 14:09

Tgt Ion:	225	Resp:	173210
Ion Ratio	Lower	Upper	
225	100		
223	65.5	0.0	131.2
227	66.3	0.0	127.0





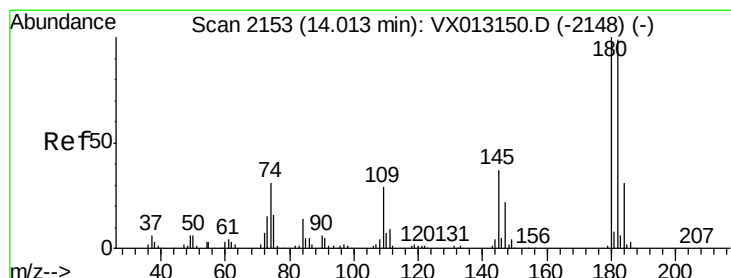
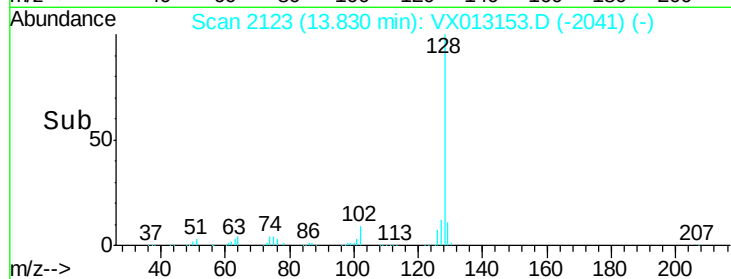
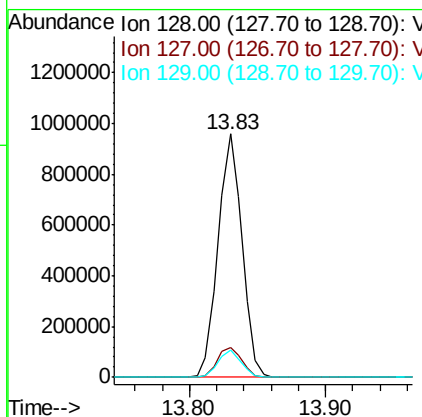
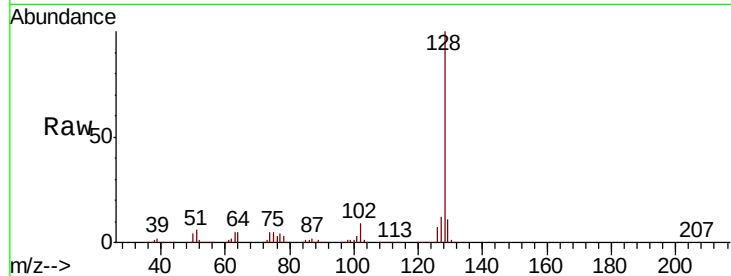
#91
Naphthalene
Concen: 153.219 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	11.0	8.6	12.8

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 157.023 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX013153.D
Acq: 21 Oct 2019 14:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	0.0	194.4
145	34.8	0.0	71.2

