

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101619\
 Data File : VX013090.D
 Acq On : 16 Oct 2019 12:07
 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
 10/18/2019 4:51:51 PM

Quant Time: Oct 17 02:34:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 17 02:18:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	28183	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	169804	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	156251	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	66773	33.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	113.27%
60) 4-Bromofluorobenzene	11.14	95	82417	31.46	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.87%
63) Toluene-d8	8.71	98	207575	29.95	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	290662	157.650	ug/l 100
3) Chloromethane	1.31	50	293110	177.544	ug/l 99
4) Vinyl Chloride	1.40	62	290979	170.868	ug/l 96
5) Bromomethane	1.62	94	125633	135.841	ug/l 98
6) Chloroethane	1.70	64	161508	155.858	ug/l 98
7) Trichlorofluoromethane	1.91	101	412010	147.998	ug/l 99
8) Diethyl Ether	2.18	74	152906	162.617	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	256187	162.737	ug/l 99
10) 1,1-Dichloroethene	2.36	96	258228	163.654	ug/l 98
11) Methyl Iodide	2.50	142	360092	172.391	ug/l 99
12) Methyl Acetate	2.76	43	366145	166.012	ug/l 96
13) Acrolein	2.28	56	277586	1012.292	ug/l 99
14) Acrylonitrile	3.14	53	766749	874.110	ug/l 100
15) Acetone	2.44	58	251342	935.251	ug/l 95
16) Carbon Disulfide	2.56	76	722226	175.639	ug/l 99
17) Allyl chloride	2.72	41	444539	186.834	ug/l 95
18) Methylene Chloride	2.84	84	289816	163.534	ug/l 96
19) trans-1,2-Dichloroethene	3.15	96	278659	166.336	ug/l 94
20) Diisopropyl ether	3.85	45	826080	167.049	ug/l 90
21) 1,1-Dichloroethane	3.69	63	486081	171.296	ug/l 100
22) cis-1,2-Dichloroethene	4.58	96	314508	163.283	ug/l 99
23) tert-Butyl Alcohol	3.05	59	380871	833.450	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	885838	171.363	ug/l 100
25) Chloroform	5.20	83	492686	160.061	ug/l 98
26) Cyclohexane	5.57	56	437713	169.511	ug/l # 97
29) 1,1-Dichloropropene	5.79	75	381188	157.832	ug/l 100
30) 2-Butanone	4.67	43	1114506	829.213	ug/l 100
31) 2,2-Dichloropropane	4.57	77	429583	189.063	ug/l 99
32) 1,1,1-Trichloroethane	5.48	97	449116	153.992	ug/l 98
33) Carbon Tetrachloride	5.78	117	393228	154.711	ug/l 99
34) Benzene	6.13	78	1117529	153.597	ug/l 99
35) Methacrylonitrile	5.03	41	226486	164.284	ug/l 99
36) 1,2-Dichloroethane	6.19	62	400161	152.752	ug/l 100
37) Trichloroethene	7.20	130	301555	144.305	ug/l 98
38) Methylcyclohexane	7.46	83	472596	156.208	ug/l 98
39) 1,2-Dichloropropane	7.51	63	280147	153.437	ug/l 98
40) Dibromomethane	7.65	93	195177	148.658	ug/l 98

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Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 17 02:18:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	397292	161.726	ug/l	99
42) Vinyl Acetate	3.81	43	3710471	840.650	ug/l	99
43) Ethyl Acetate	4.83	43	405251	161.115	ug/l	97
44) Isopropyl Acetate	6.44	43	674178	163.024	ug/l	99
45) 1,4-Dioxane	7.73	88	169058	3243.458	ug/l	97
46) Methyl methacrylate	7.76	41	333639	167.212	ug/l	92
47) n-amyl Acetate	10.89	43	599083	165.160	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	460600	176.827	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	491707	172.590	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	292931	151.405	ug/l	99
51) Ethyl methacrylate	9.17	69	496824	165.230	ug/l	98
52) 1,3-Dichloropropane	9.37	76	491600	156.191	ug/l	100
53) Dibromochloromethane	9.58	129	324337	155.562	ug/l	99
54) 1,2-Dibromoethane	9.67	107	309373	146.887	ug/l	97
55) 2-Chloroethyl vinyl ether	8.31	63	1053390	818.214	ug/l	99
56) Bromoform	10.86	173	239036	155.368	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	2086749	778.442	ug/l	99
59) 2-Hexanone	9.49	43	1620458	785.429	ug/l	100
61) Tetrachloroethene	9.33	164	263994	128.081	ug/l	97
62) Toluene	8.78	91	1212422	145.477	ug/l	100
64) Chlorobenzene	10.14	112	779904	146.210	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	294264	150.846	ug/l	98
66) Ethyl Benzene	10.25	91	1418415	151.238	ug/l	100
67) m/p-Xylenes	10.36	106	1067138	298.752	ug/l	98
68) o-Xylene	10.70	106	522591	149.103	ug/l	99
69) Styrene	10.71	104	928286	156.969	ug/l	99
70) Isopropylbenzene	11.01	105	1391282	149.005	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	447879	148.216	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	346097m	138.053	ug/l	
73) Bromobenzene	11.25	156	328395	133.837	ug/l	98
74) n-propylbenzene	11.35	91	1618169	153.868	ug/l	99
75) 2-Chlorotoluene	11.42	91	959865	153.119	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	1216389	154.185	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	165540	191.826	ug/l	91
78) 4-Chlorotoluene	11.51	91	1143165	158.253	ug/l	100
79) tert-butylbenzene	11.77	119	1163378	152.459	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	1212451	152.418	ug/l	97
81) sec-Butylbenzene	11.94	105	1392569	154.836	ug/l	100
82) p-Isopropyltoluene	12.06	119	1255571	151.420	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	618882	141.455	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	621056	143.537	ug/l	99
85) n-Butylbenzene	12.39	91	1128734	159.407	ug/l	99
86) Hexachloroethane	12.59	117	233064	172.320	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	588269	138.680	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	112020	167.749	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	383678	132.591	ug/l	97
90) Hexachlorobutadiene	13.78	225	183459	132.667	ug/l	96
91) Naphthalene	13.83	128	1363997	152.393	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	380870	131.897	ug/l	99

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MSVOA_X
ClientSampleId :
VSTDICC150

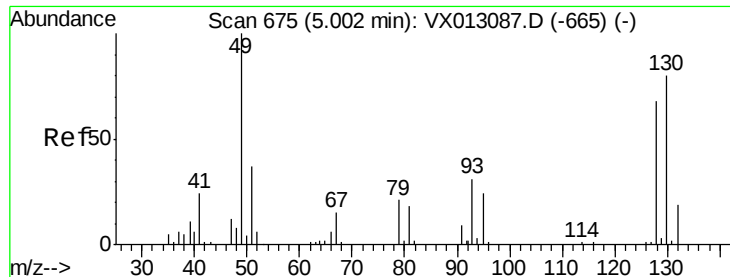
Manual Integrations
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10/18/2019 4:51:51 PM

Quant Time: Oct 17 02:34:56 2019
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QLast Update : Thu Oct 17 02:18:04 2019
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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



#1

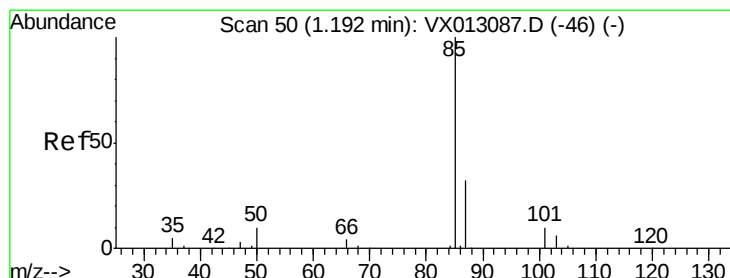
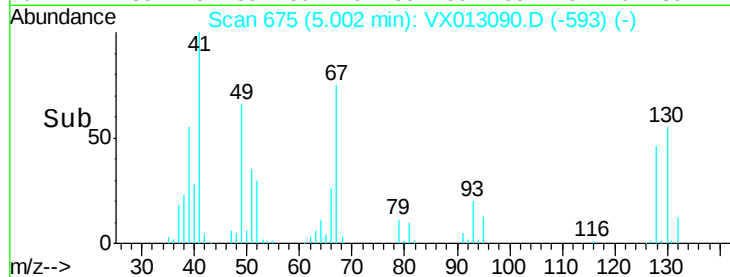
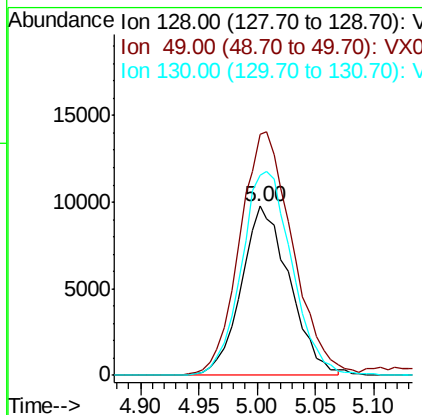
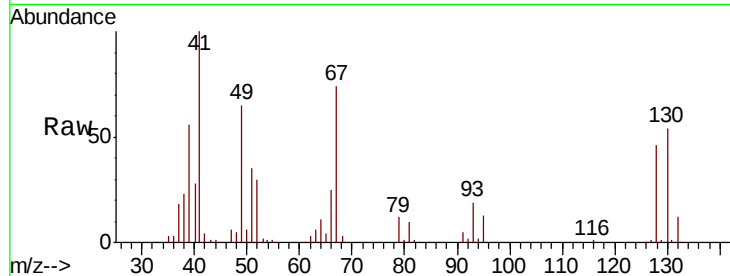
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
128	100		
49	157.6	0.0	382.3
130	125.7	0.0	321.8

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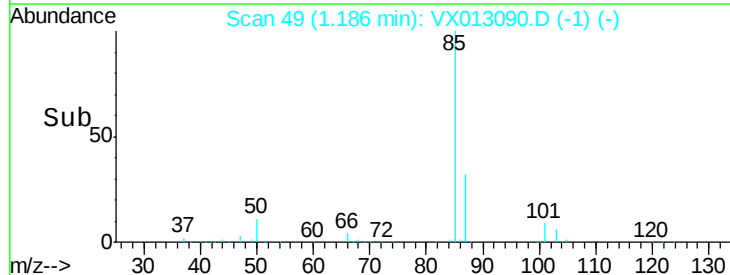
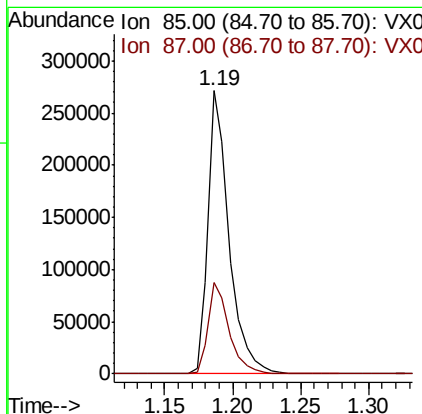
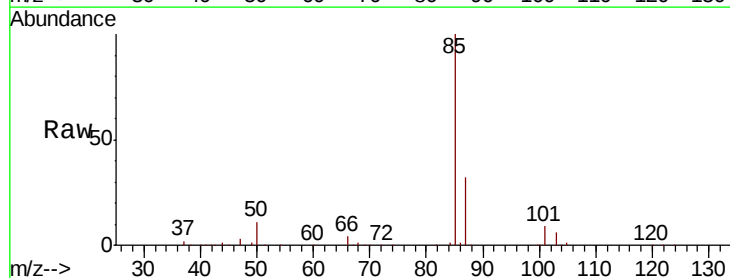
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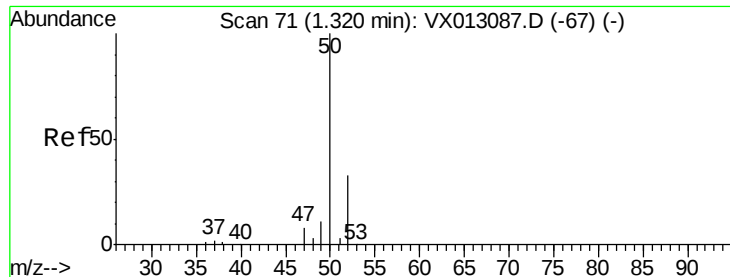


#2

Dichlorodifluoromethane
Concen: 157.650 ug/l
RT: 1.19 min Scan# 49
Delta R.T. -0.01 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.2	48.5





#3

Chloromethane

Concen: 177.544 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 293110

Ion Ratio Lower Upper

50 100

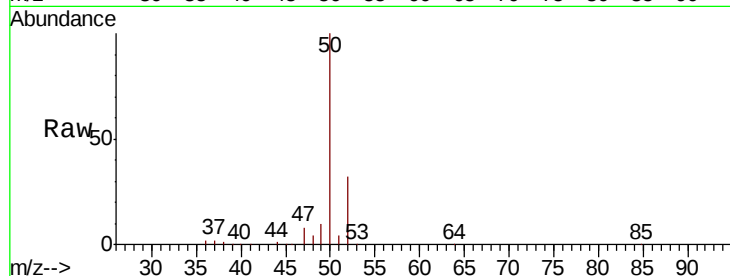
52 32.1 26.0 39.0

Manual Integrations

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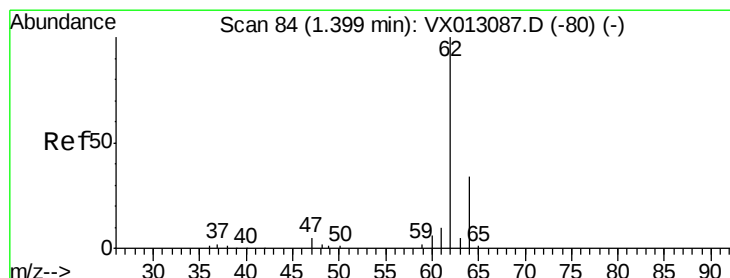
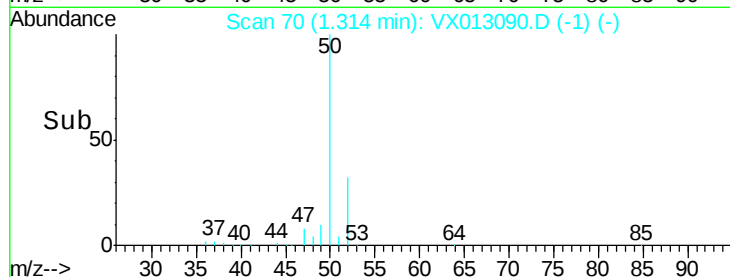
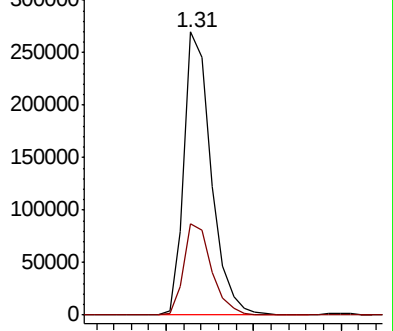
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 170.868 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013090.D

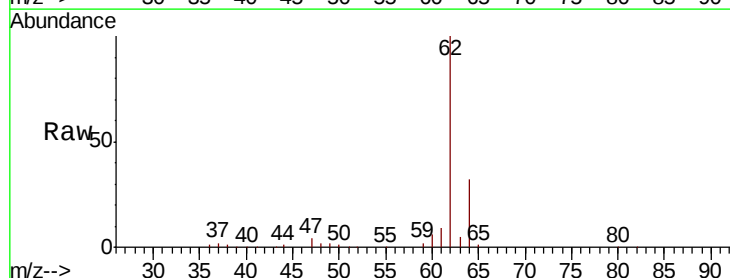
Acq: 16 Oct 2019 12:07

Tgt Ion: 62 Resp: 290979

Ion Ratio Lower Upper

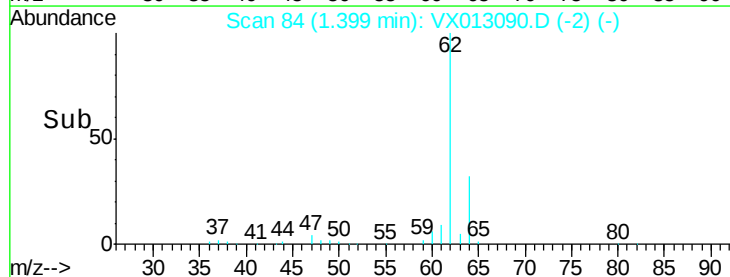
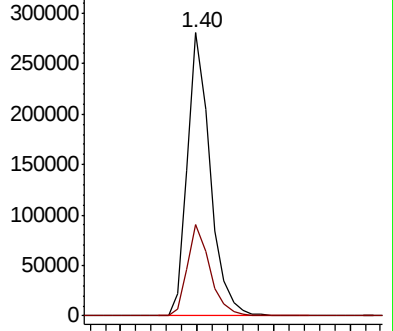
62 100

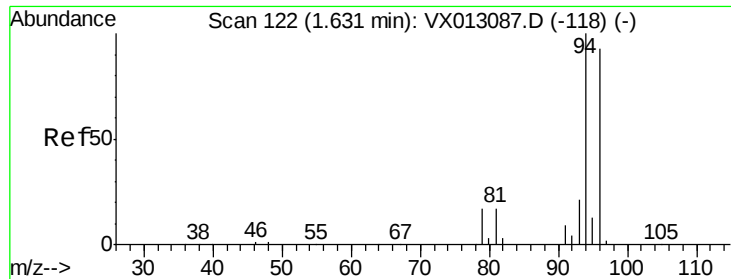
64 32.1 27.4 41.0



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 135.841 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 125633

Ion Ratio Lower Upper

94 100

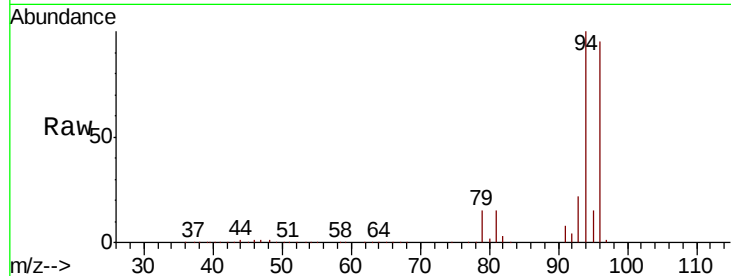
96 95.0 74.2 111.4

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.62

150000

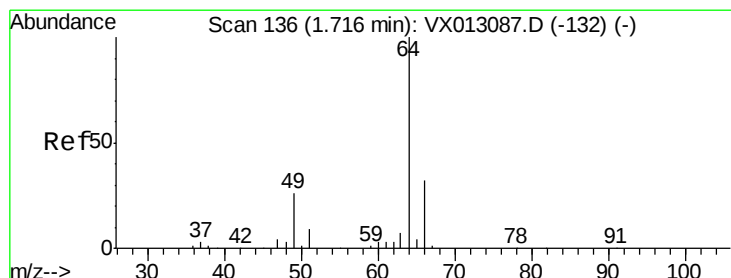
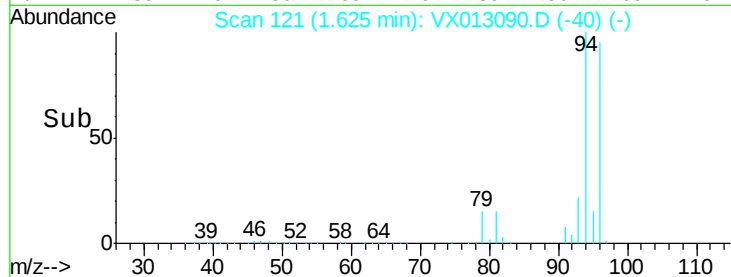
100000

50000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 155.858 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.02 min

Lab File: VX013090.D

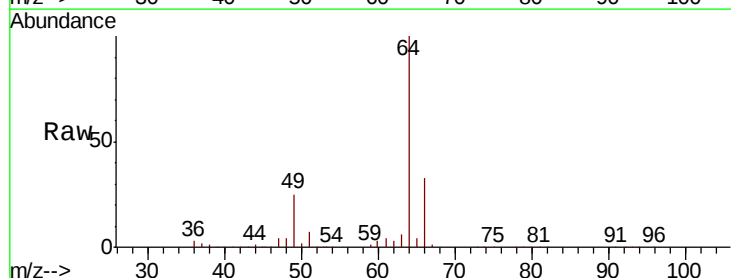
Acq: 16 Oct 2019 12:07

Tgt Ion: 64 Resp: 161508

Ion Ratio Lower Upper

64 100

66 33.3 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.70

150000

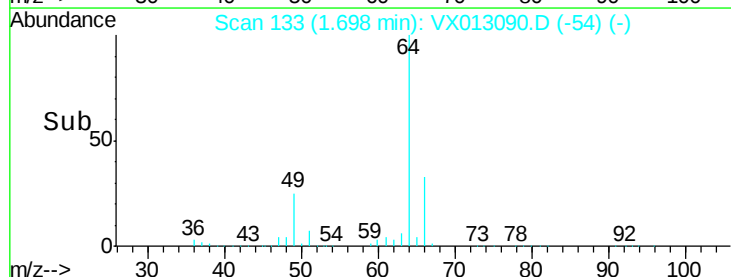
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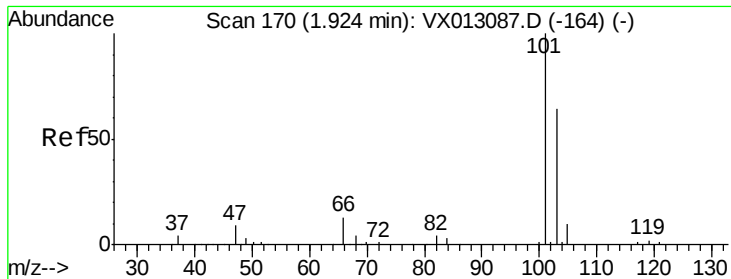
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Time-->

1.65 1.70 1.75 1.80





#7

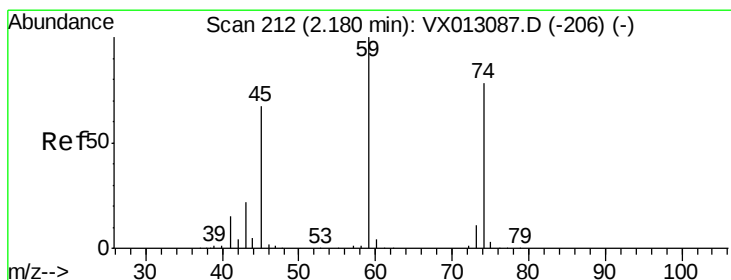
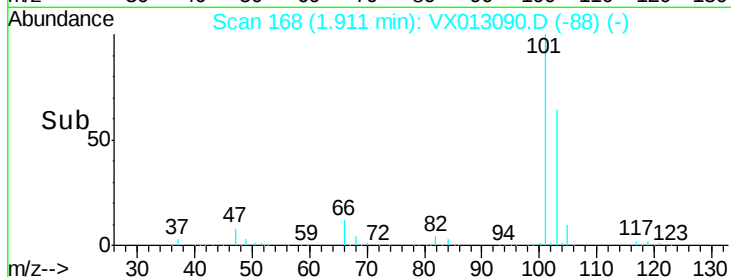
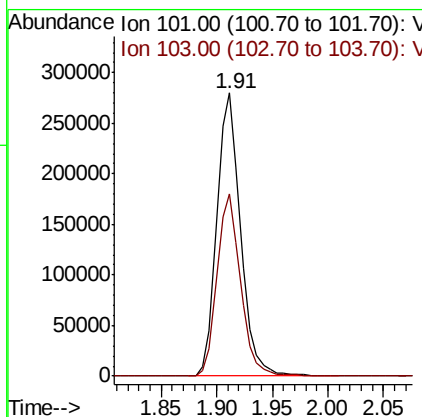
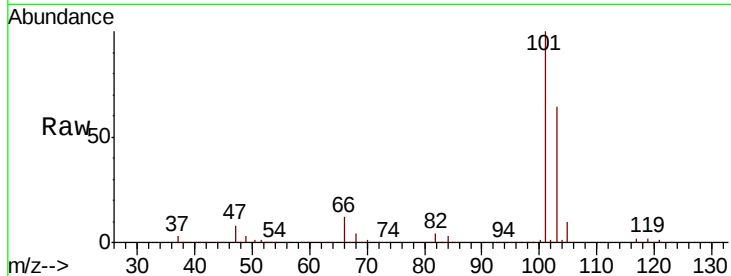
Trichlorofluoromethane
Concen: 147.998 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 412010
Ion Ratio Lower Upper
101 100
103 64.4 50.9 76.3

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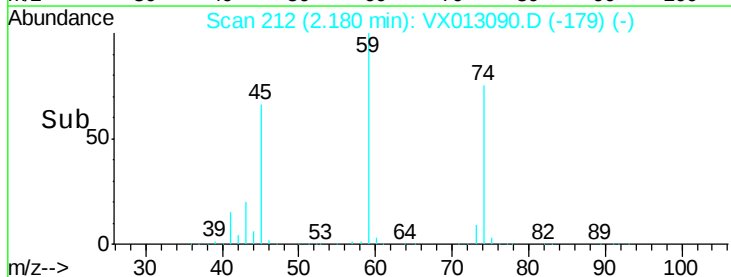
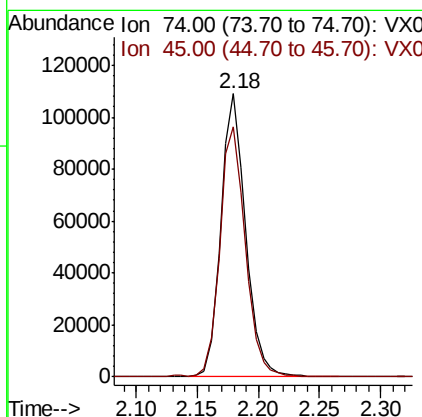
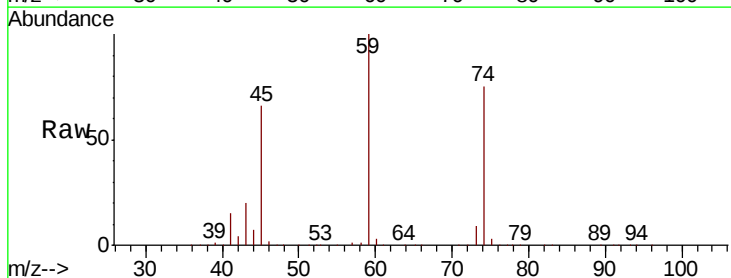
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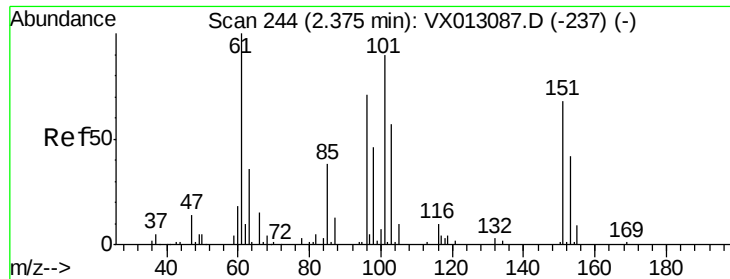


#8

Diethyl Ether
Concen: 162.617 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion: 74 Resp: 152906
Ion Ratio Lower Upper
74 100
45 90.9 18.2 163.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 162.737 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

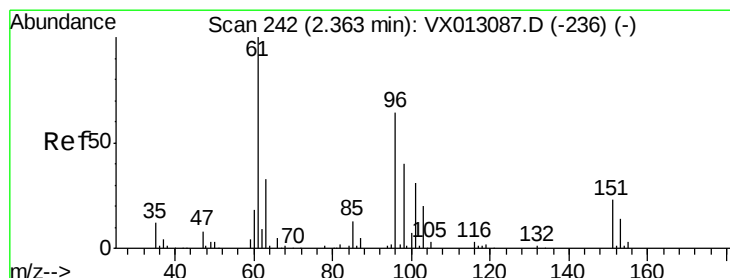
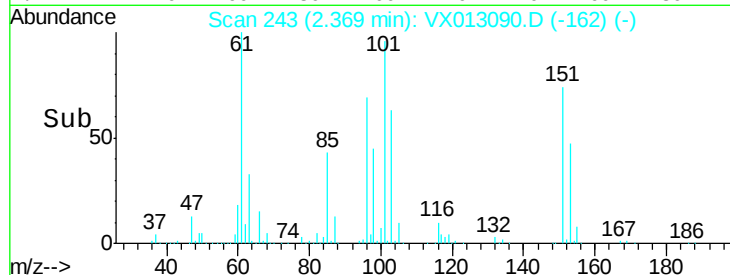
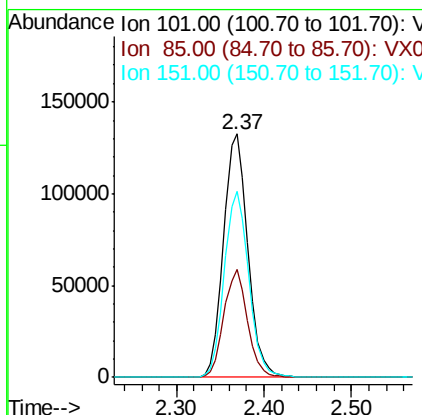
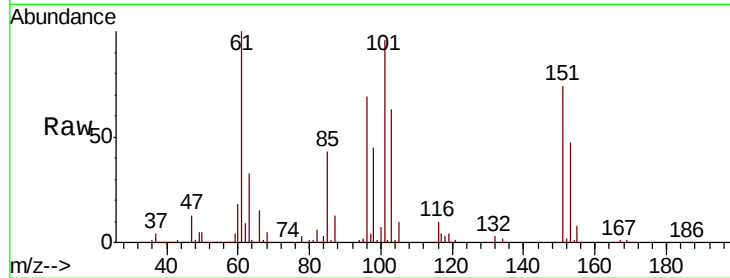
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	256187
Ion Ratio	Lower	Upper	
101	100		
85	43.0	0.0	85.2
151	77.1	0.0	157.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 163.654 ug/l

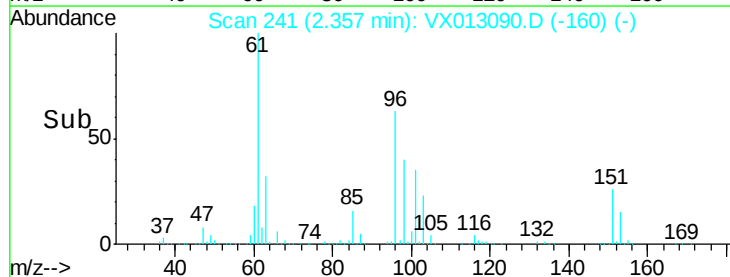
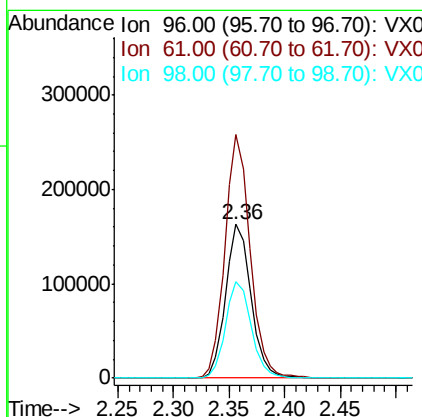
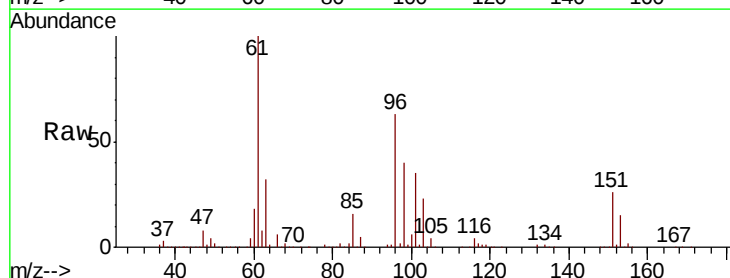
RT: 2.36 min Scan# 241

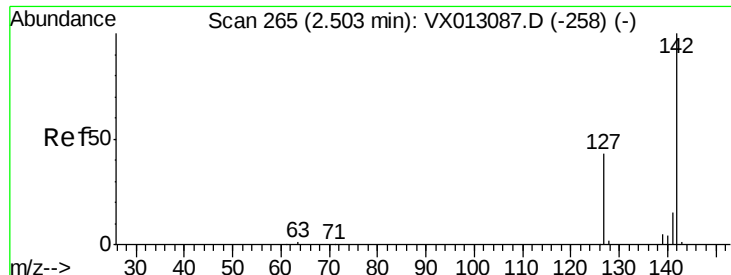
Delta R.T. -0.01 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Tgt Ion:	96	Resp:	258228
Ion Ratio	Lower	Upper	
96	100		
61	158.7	124.2	186.2
98	62.8	50.2	75.2





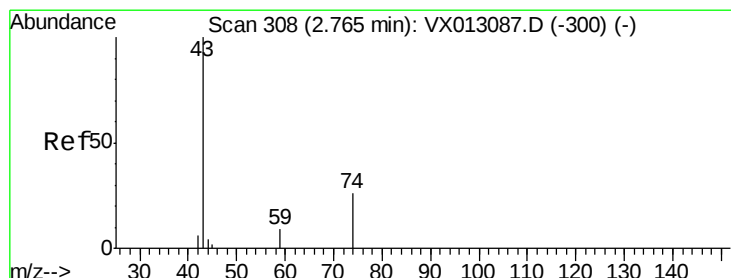
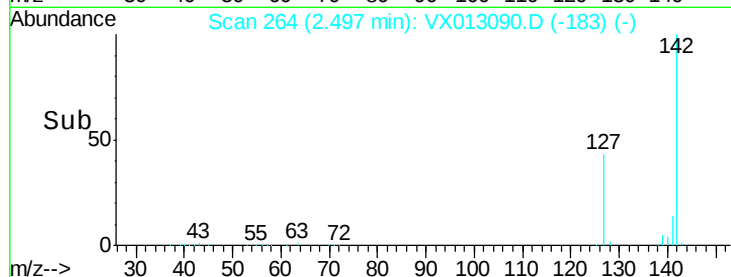
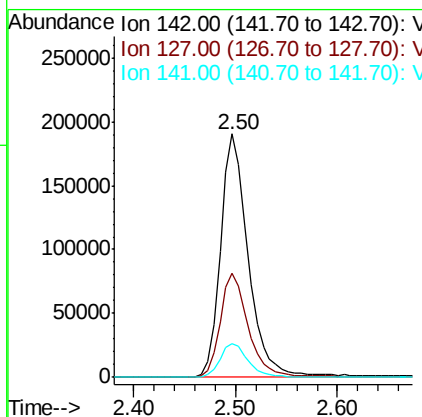
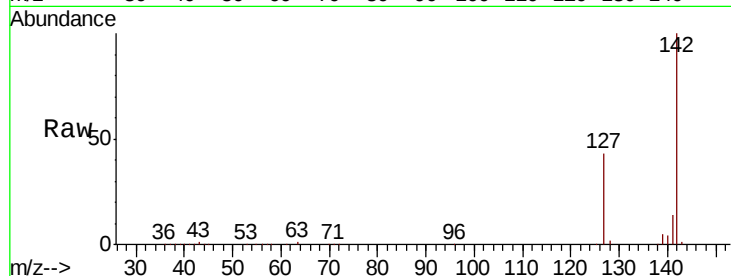
#11
Methyl Iodide
Concen: 172.391 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.0	21.4	64.2
141	14.0	7.3	21.9

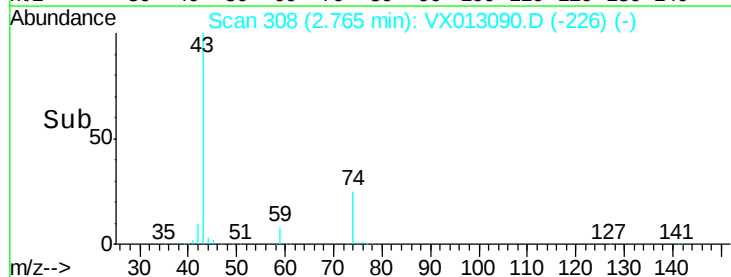
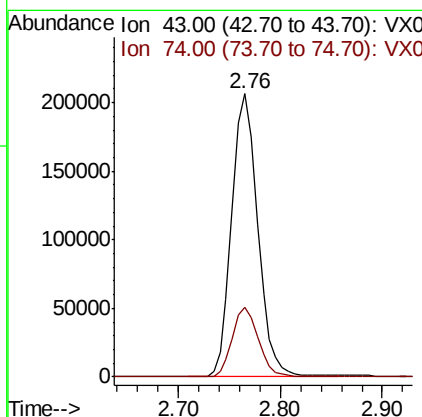
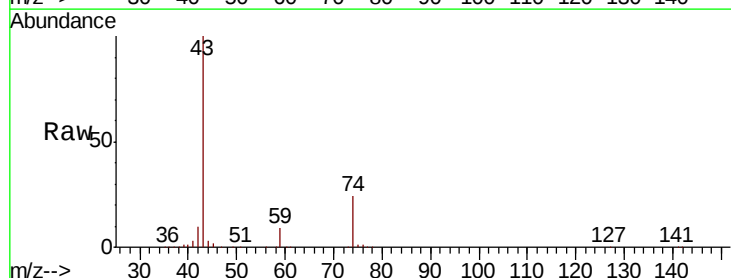
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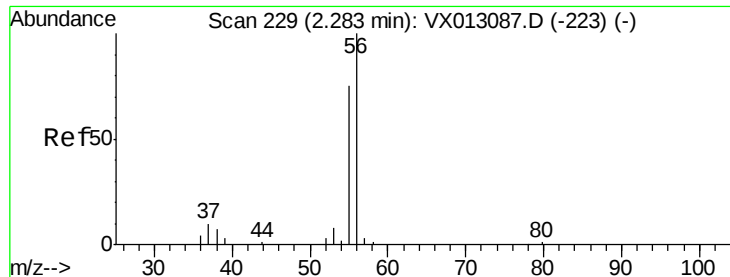
MMDadoda
10/18/2019 4:51:51 PM



#12
Methyl Acetate
Concen: 166.012 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	20.9	31.3





#13

Acrolein

Concen: 1012.292 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 277586

Ion Ratio Lower Upper

56 100

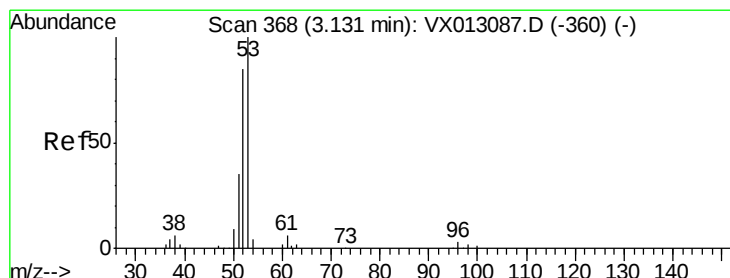
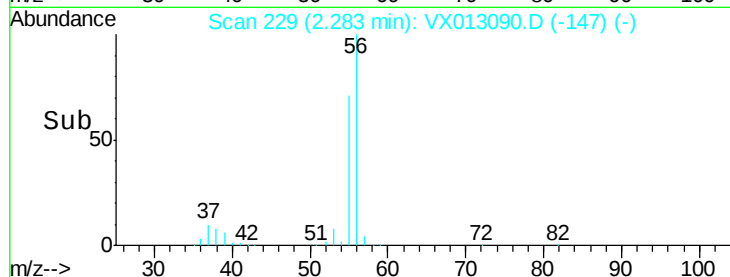
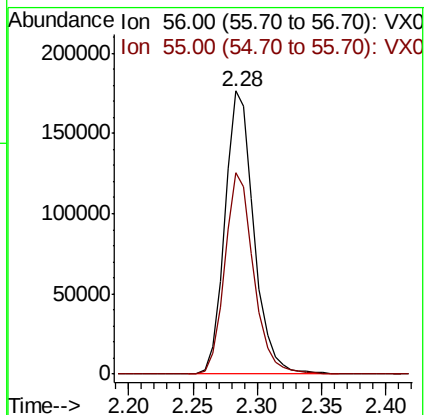
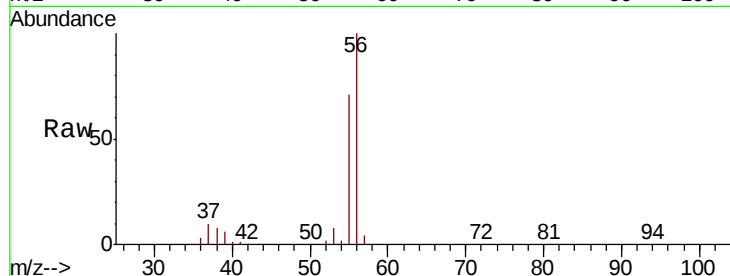
55 71.4 57.8 86.8

Manual Integrations

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#14

Acrylonitrile

Concen: 874.110 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

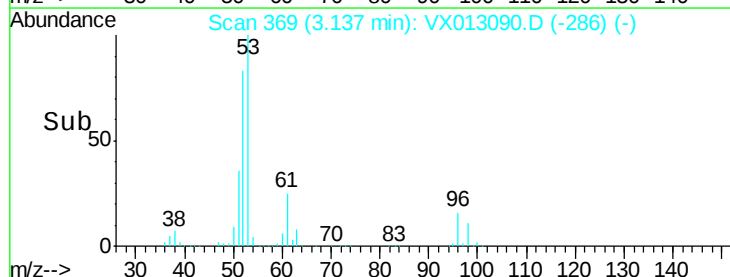
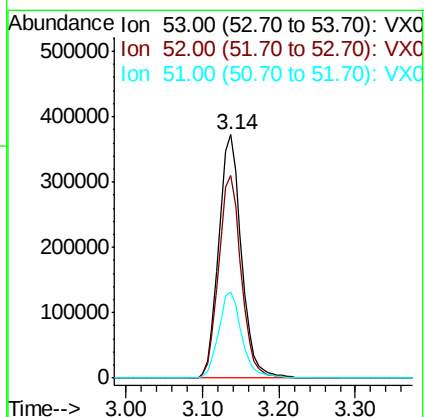
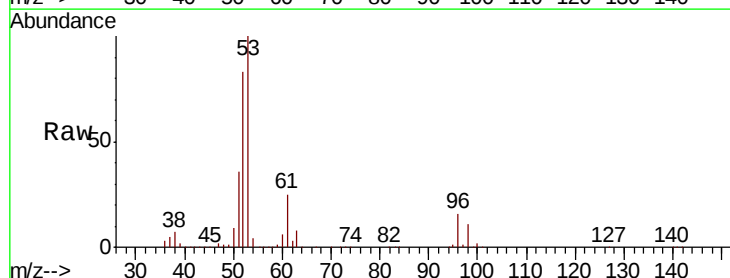
Tgt Ion: 53 Resp: 766749

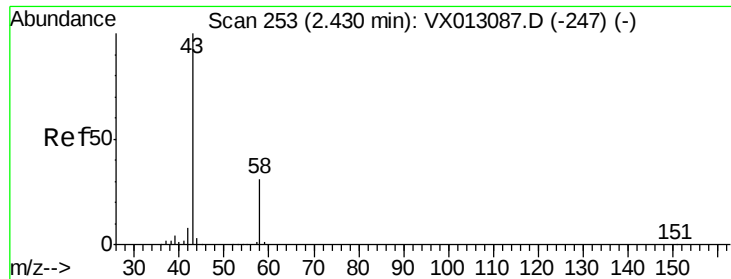
Ion Ratio Lower Upper

53 100

52 82.4 41.4 124.2

51 36.0 18.1 54.4





#15

Acetone

Concen: 935.251 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 251342

Ion Ratio Lower Upper

58 100

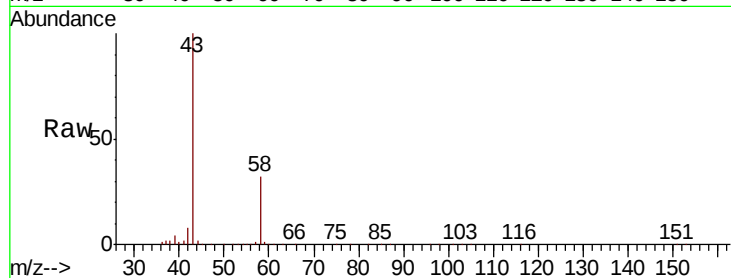
43 314.3 259.5 389.3

Manual Integrations

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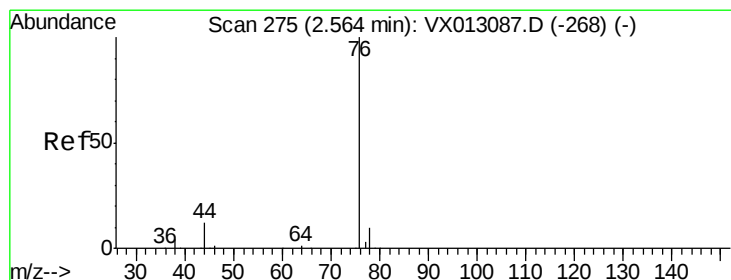
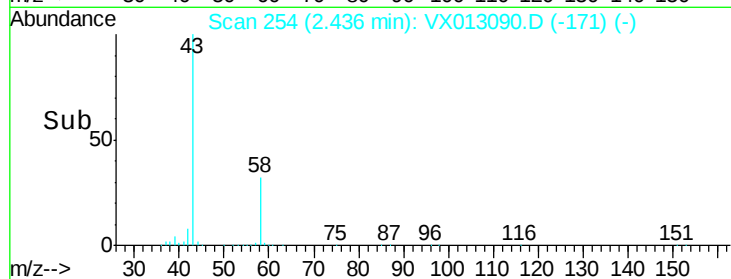
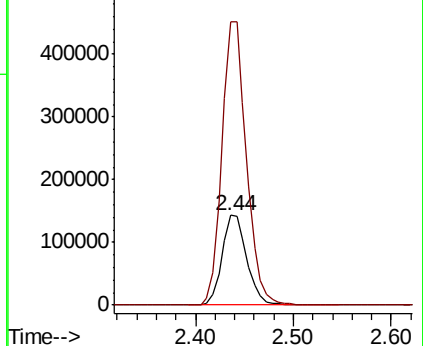
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 175.639 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013090.D

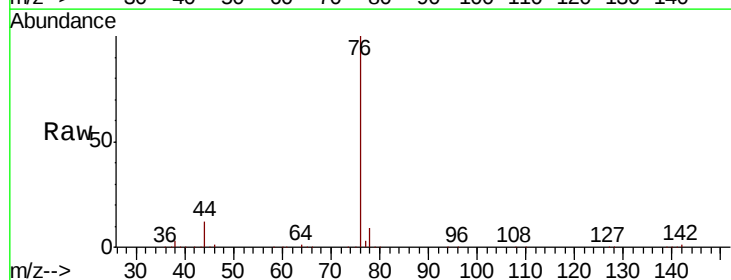
Acq: 16 Oct 2019 12:07

Tgt Ion: 76 Resp: 722226

Ion Ratio Lower Upper

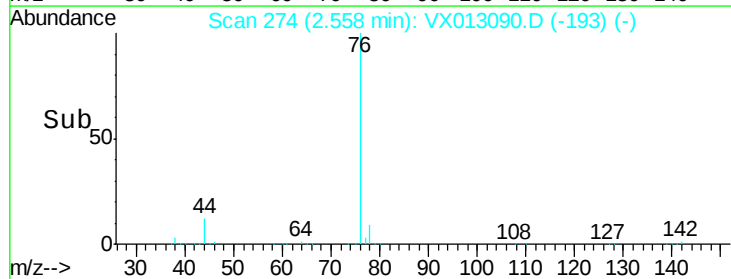
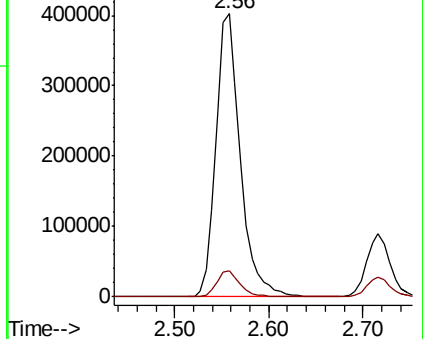
76 100

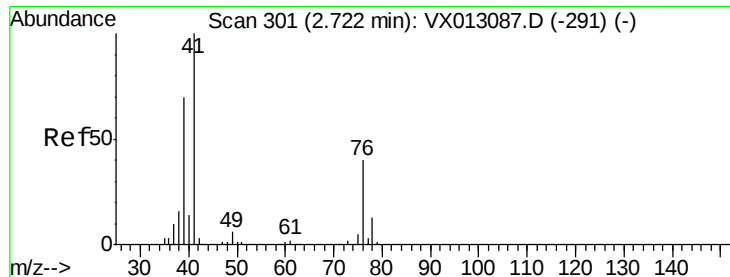
78 9.2 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allvl chloride

Concen: 186.834 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.01 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 444539

Ion Ratio Lower Upper

41 100

39 65.7 34.8 104.5

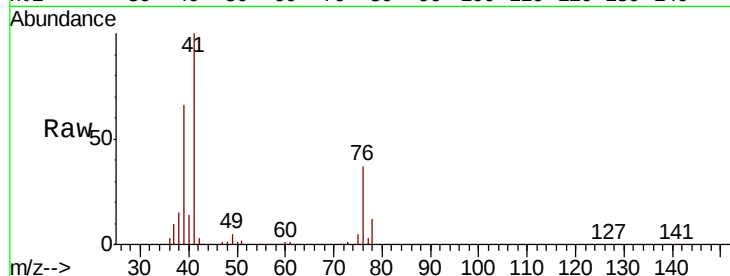
76 37.1 20.2 60.5

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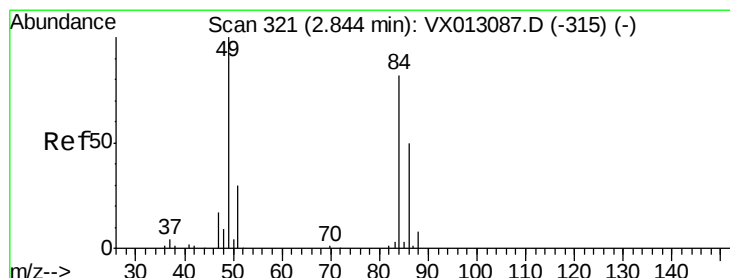
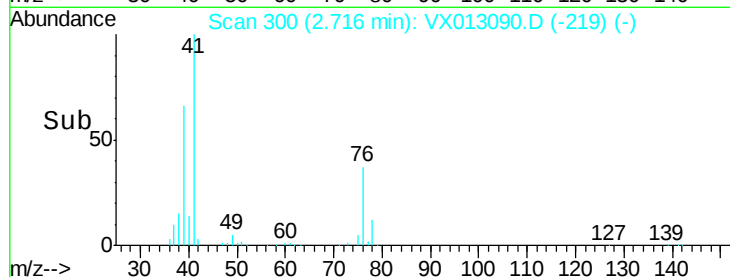
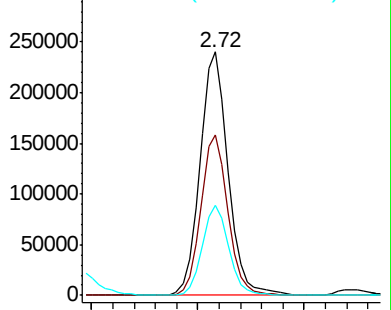
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Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0



#18

Methylene Chloride

Concen: 163.534 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Tgt Ion: 84 Resp: 289816

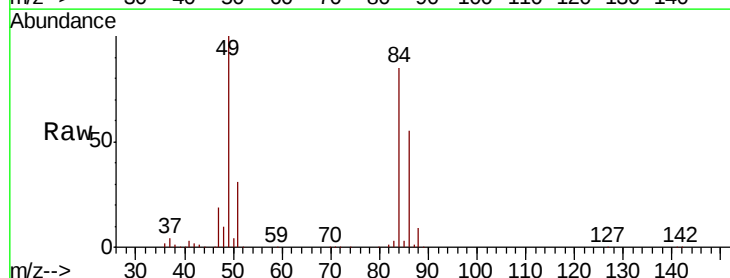
Ion Ratio Lower Upper

84 100

49 117.2 97.8 146.6

51 36.5 29.2 43.8

86 64.6 49.0 73.4

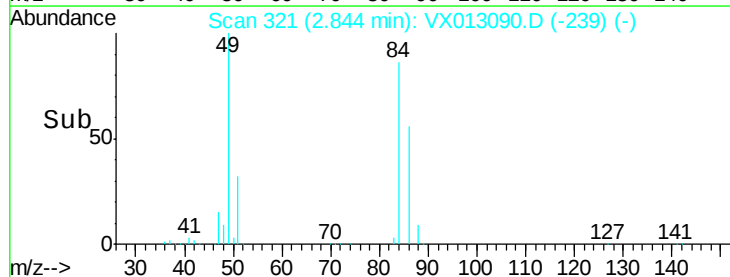
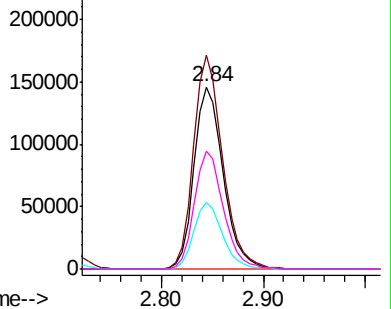


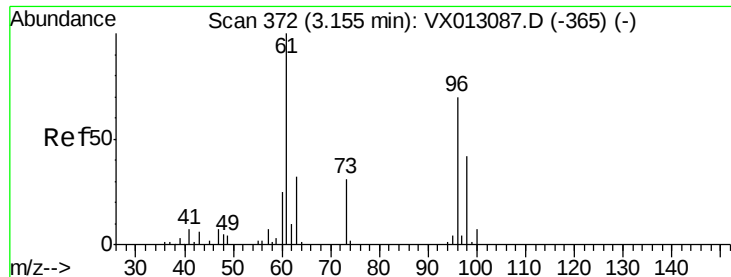
Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#19

trans-1,2-Dichloroethene

Concen: 166.336 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

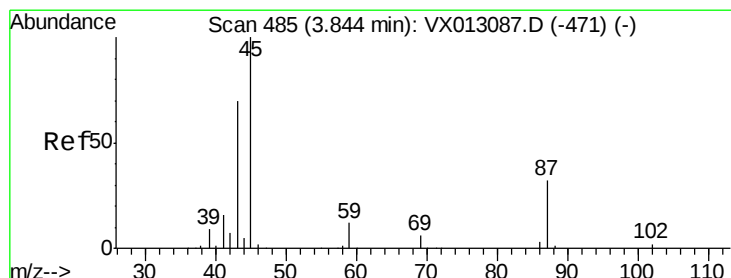
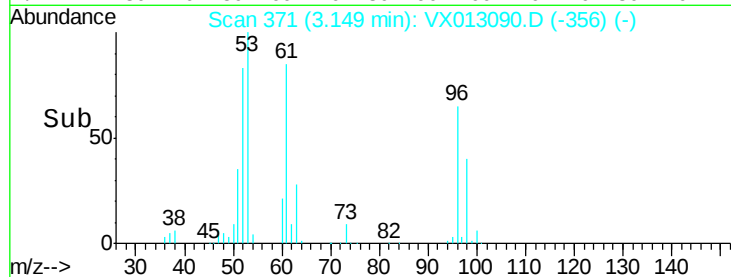
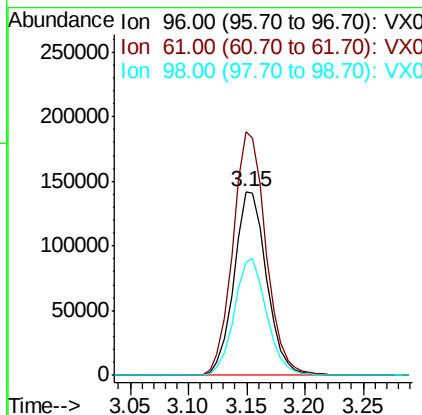
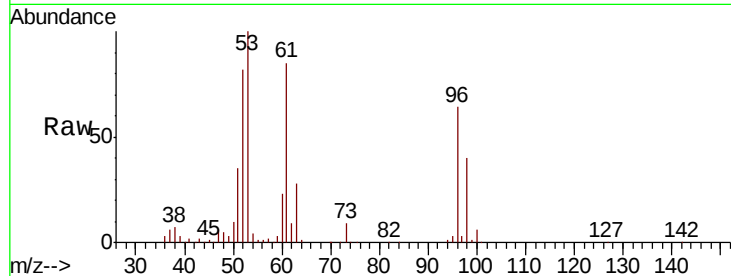
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	278659
Ion	Ratio	Lower	Upper
96	100		
61	132.4	113.9	170.9
98	61.6	48.1	72.1

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#20

Diisopropyl ether

Concen: 167.049 ug/l

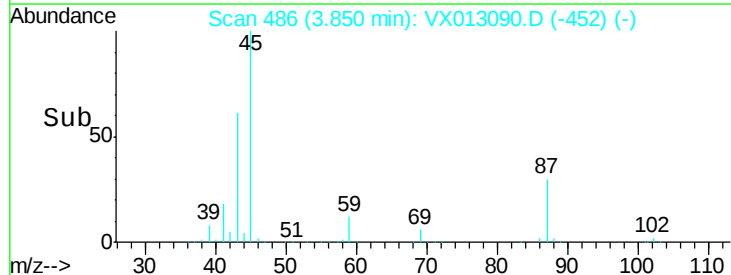
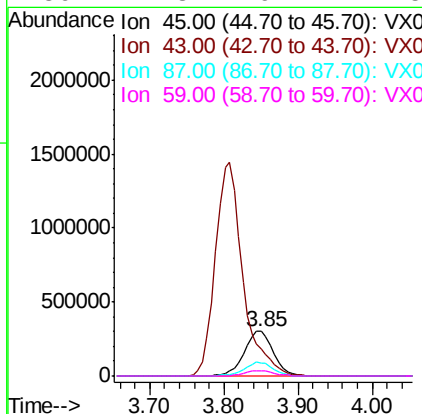
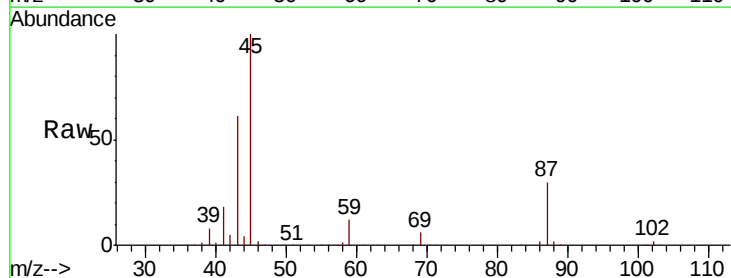
RT: 3.85 min Scan# 486

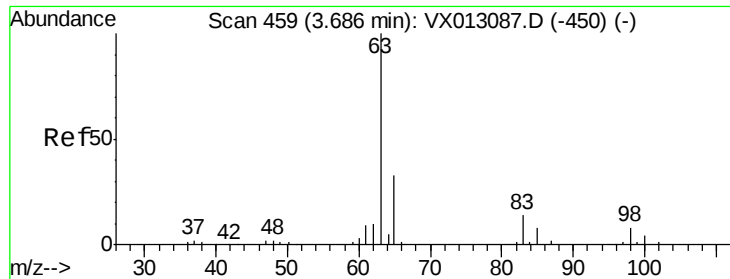
Delta R.T. 0.01 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Tgt Ion:	45	Resp:	826080
Ion	Ratio	Lower	Upper
45	100		
43	60.1	57.5	86.3
87	30.0	25.3	37.9
59	12.3	9.7	14.5





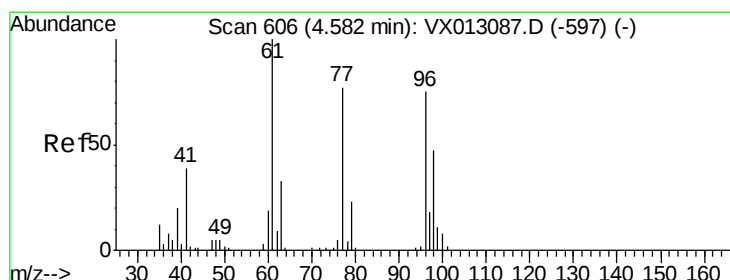
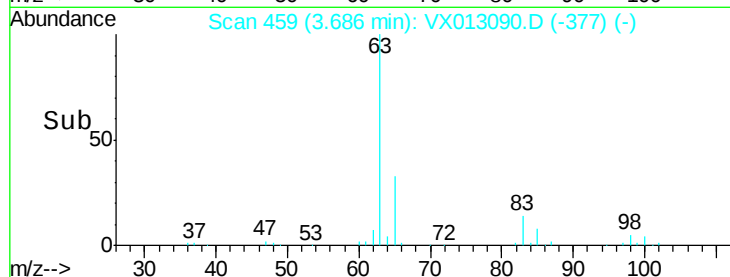
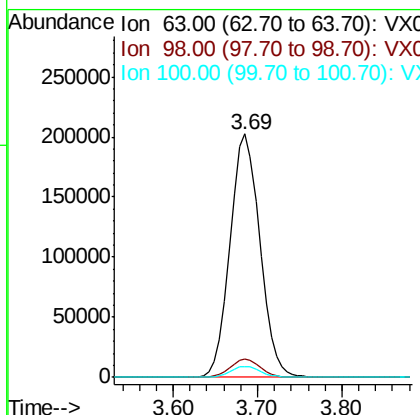
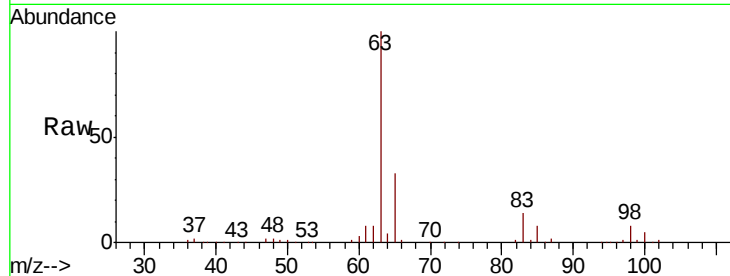
#21
 1,1-Dichloroethane
 Concen: 171.296 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
63	100	486081		
98	7.5		3.8	11.4
100	4.6		2.1	6.5

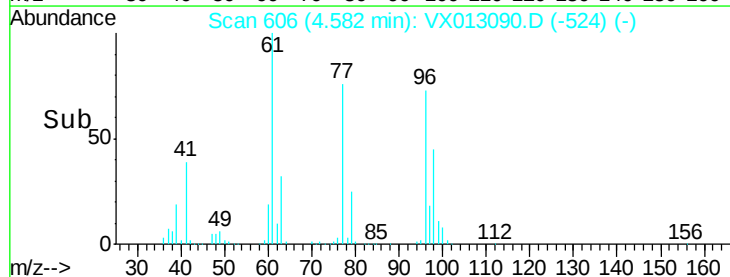
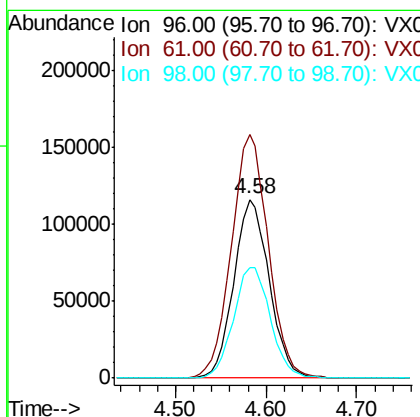
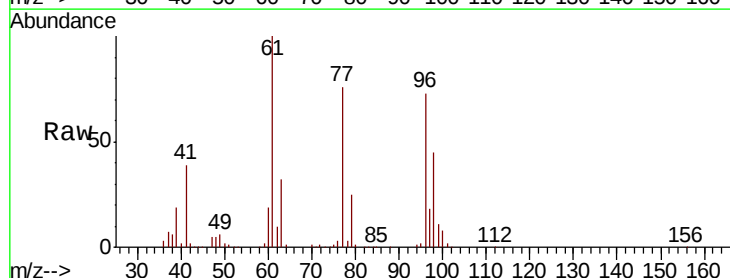
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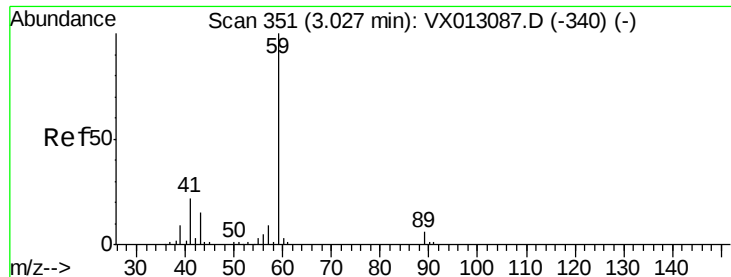
MMDadoda
 10/18/2019 4:51:51 PM



#22
 cis-1,2-Dichloroethene
 Concen: 163.283 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	314508		
61	142.0		115.0	172.4
98	64.4		51.5	77.3





#23

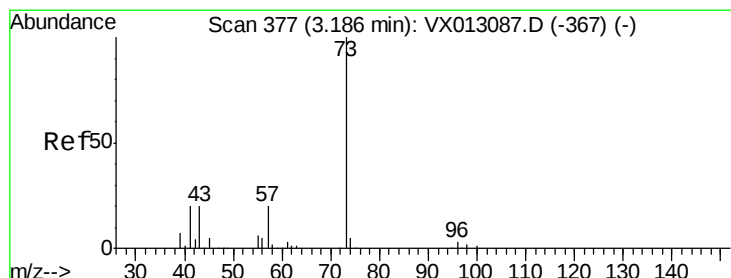
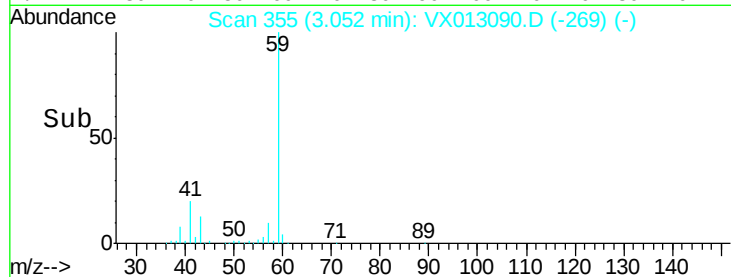
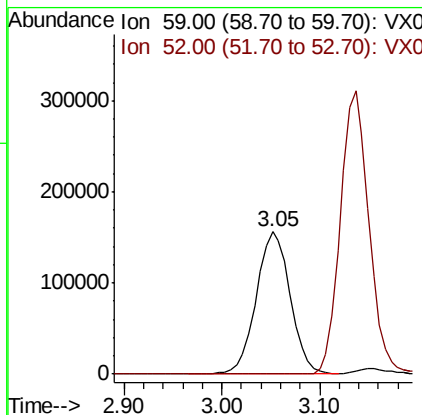
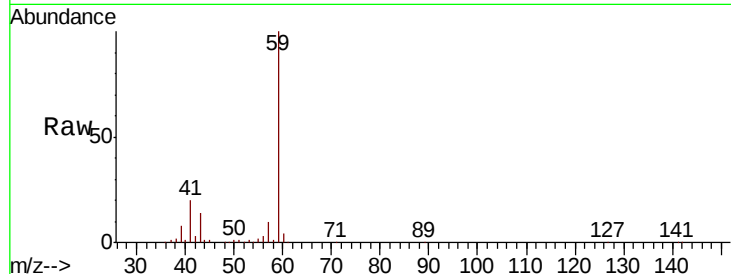
tert-Butyl Alcohol
Concen: 833.450 ug/l
RT: 3.05 min Scan# 355
Delta R.T. 0.02 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.1	0.1#

Manual Integrations
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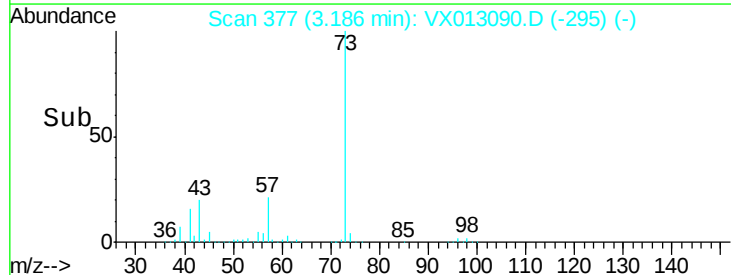
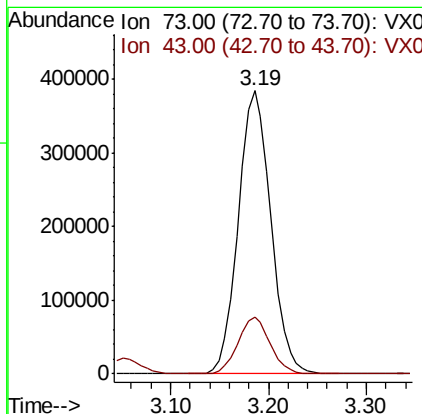
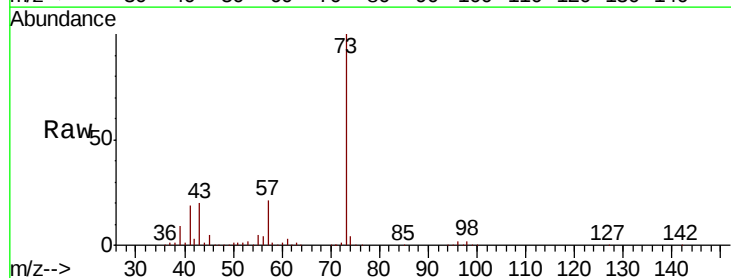
MMDadoda
10/18/2019 4:51:51 PM

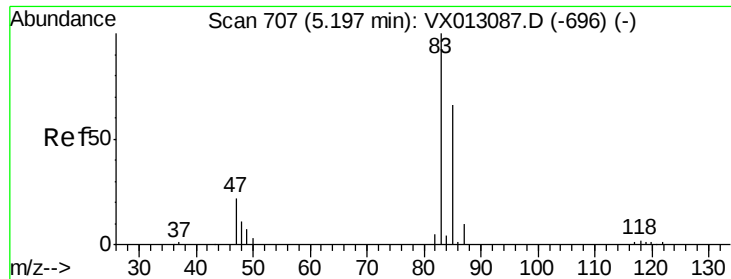


#24

Methyl tert-Butyl Ether
Concen: 171.363 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.9	15.8	23.8





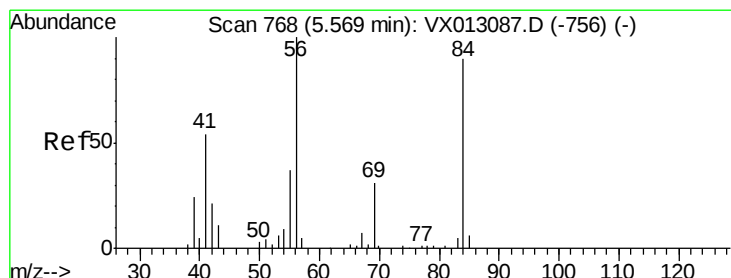
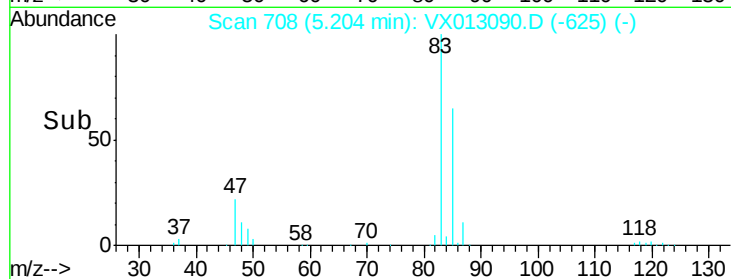
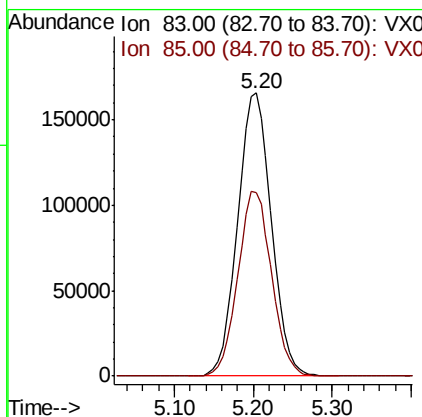
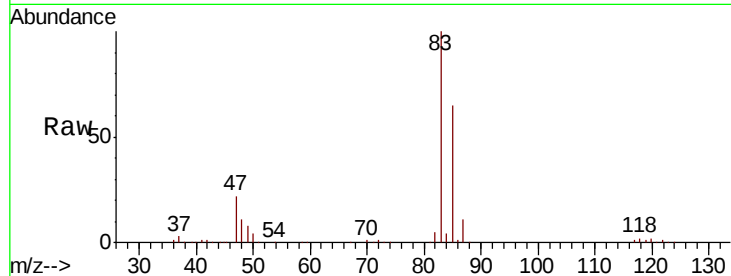
#25
Chloroform
Concen: 160.061 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.0	79.6

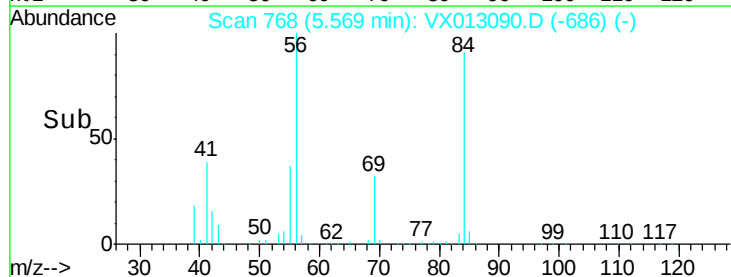
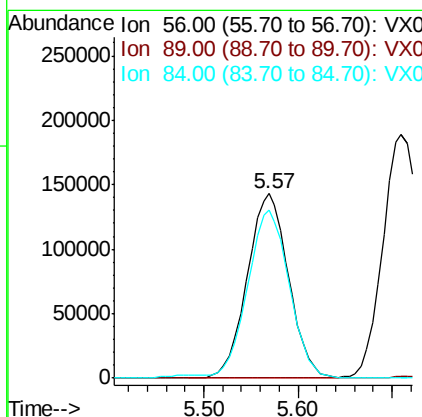
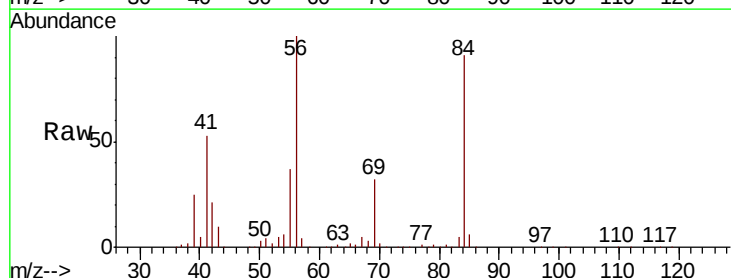
Manual Integrations
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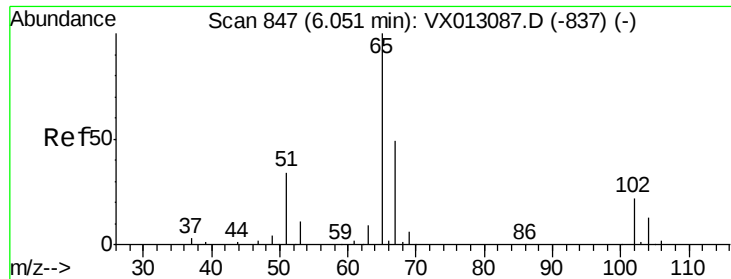
MMDadoda
10/18/2019 4:51:51 PM



#26
Cyclohexane
Concen: 169.511 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	91.9	71.3	106.9





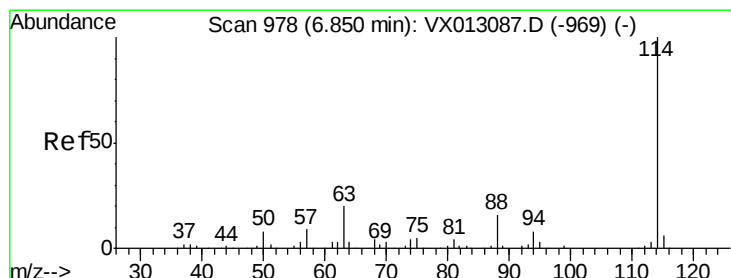
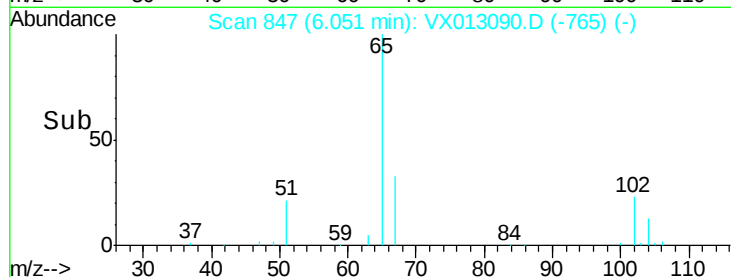
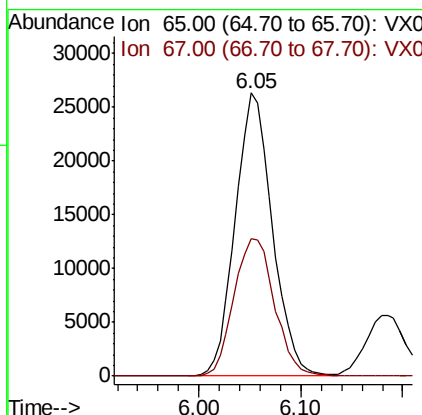
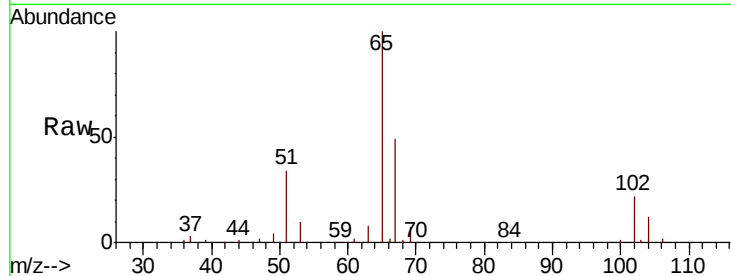
#27
 1,2-Dichloroethane-d4
 Concen: 33.976 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 66773
 Ion Ratio Lower Upper
 65 100
 67 52.7 41.2 61.8

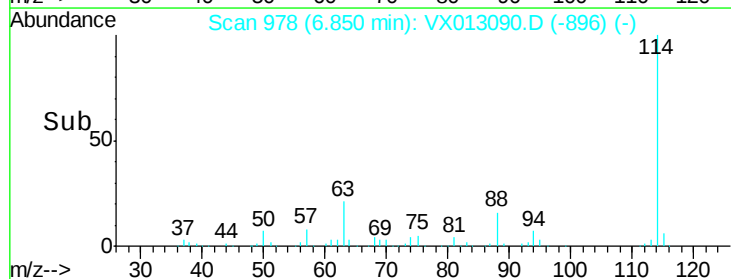
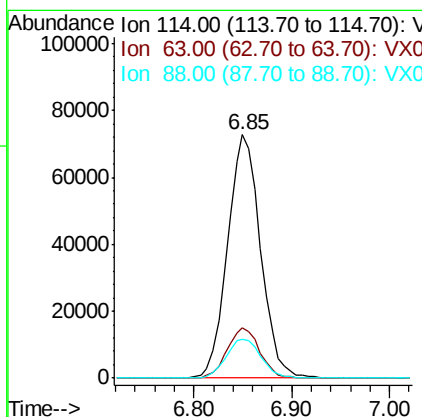
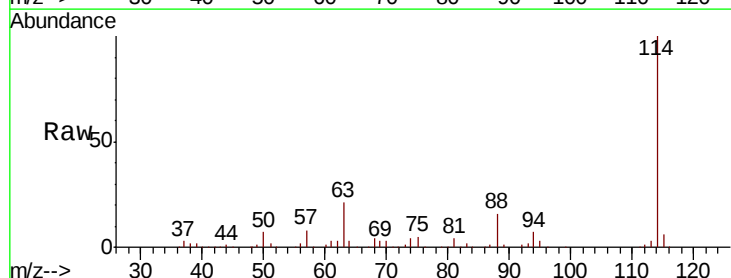
Manual Integrations
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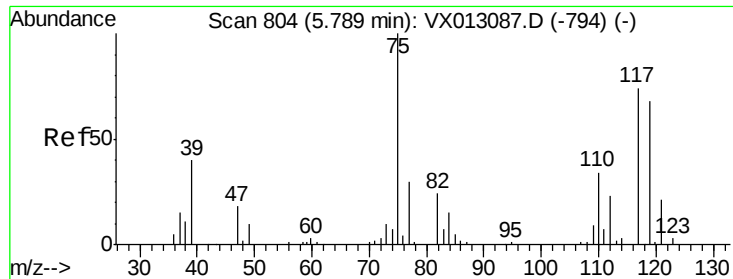
MMDadoda
 10/18/2019 4:51:51 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Tgt Ion: 114 Resp: 169804
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.5 24.7
 88 16.8 13.6 20.4





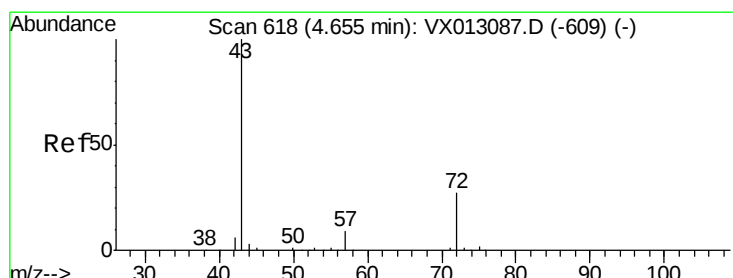
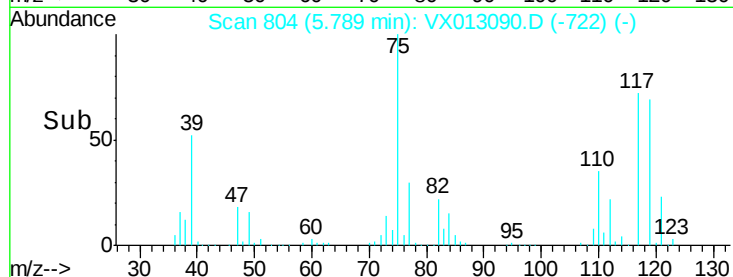
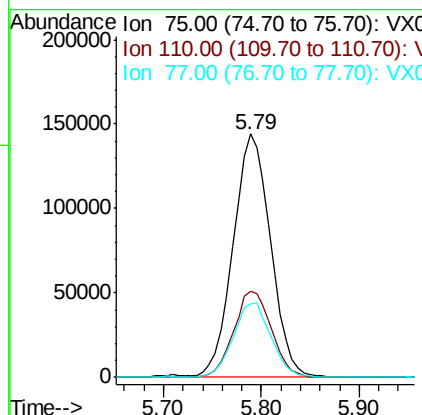
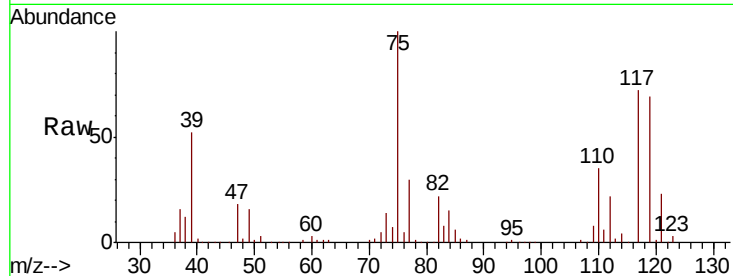
#29
 1,1-Dichloropropene
 Concen: 157.832 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
75	100	381188		
110	36.0	0.0	72.2	
77	31.0	0.0	62.8	

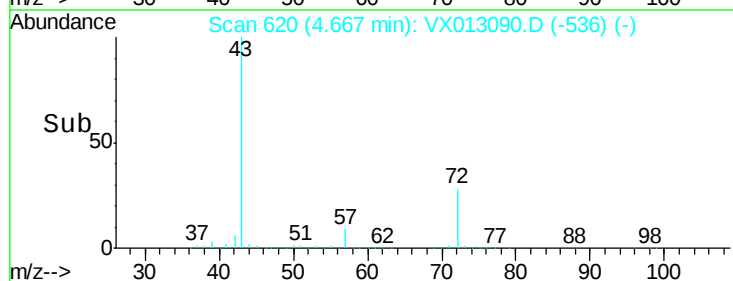
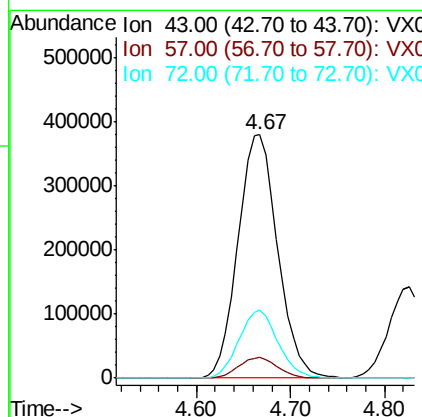
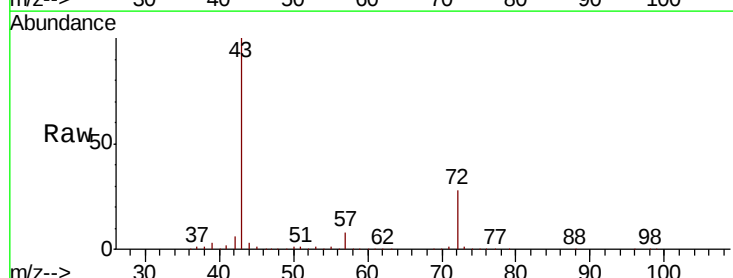
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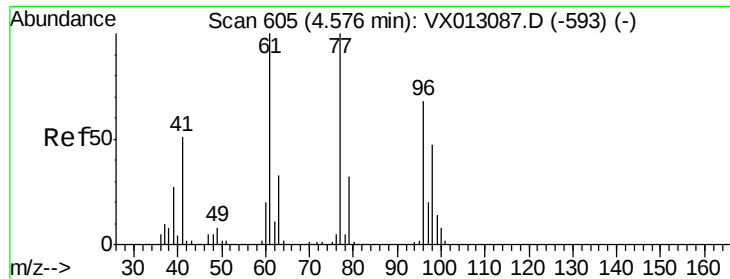
MMDadoda
 10/18/2019 4:51:51 PM



#30
 2-Butanone
 Concen: 829.213 ug/l
 RT: 4.67 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1114506		
57	8.3	6.9	10.3	
72	27.6	22.1	33.1	





#31

2,2-Dichloropropane

Concen: 189.063 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 77 Resp: 429583

Ion Ratio Lower Upper

77 100

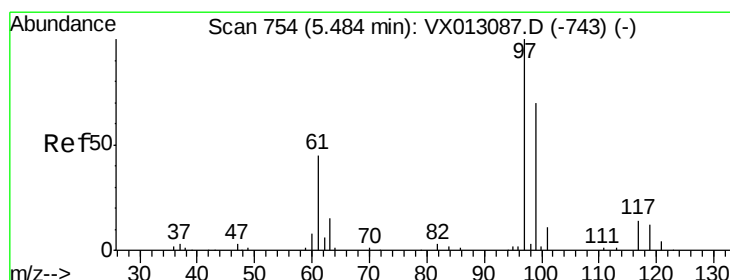
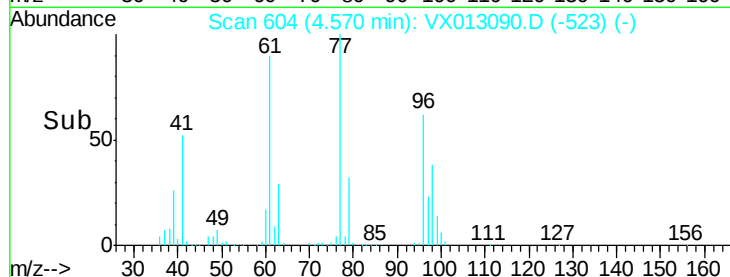
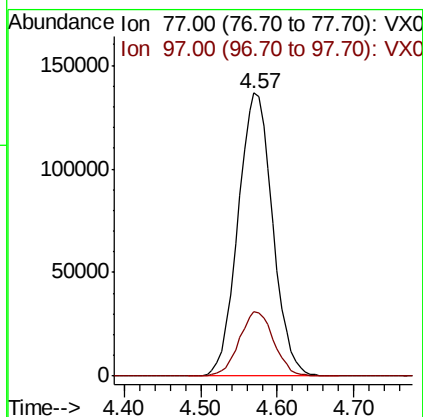
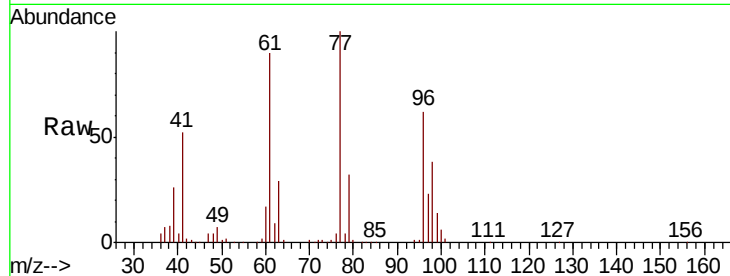
97 22.8 17.8 26.6

Manual Integrations

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MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 153.992 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

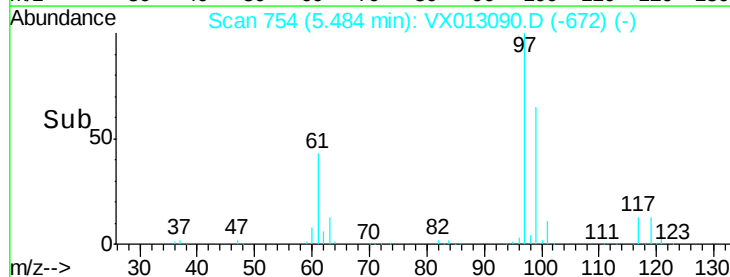
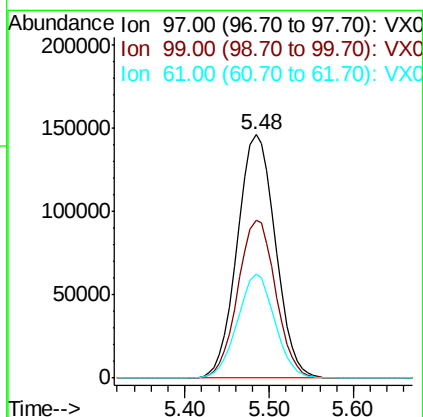
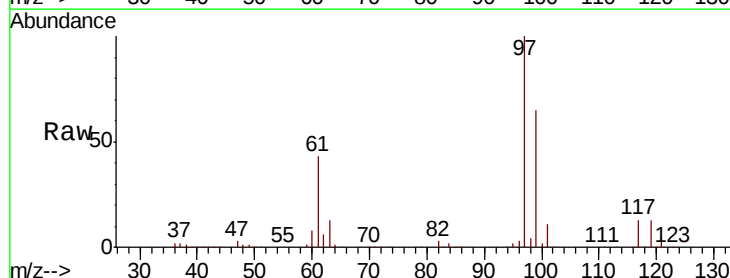
Tgt Ion: 97 Resp: 449116

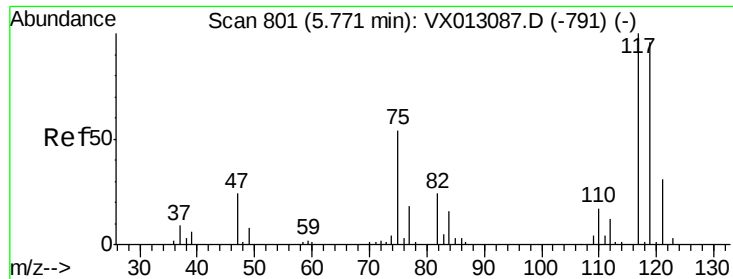
Ion Ratio Lower Upper

97 100

99 64.5 52.4 78.6

61 41.7 35.1 52.7





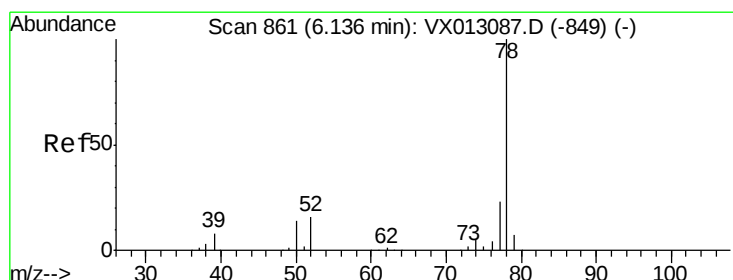
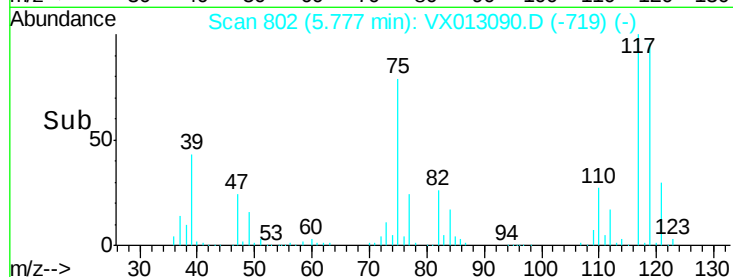
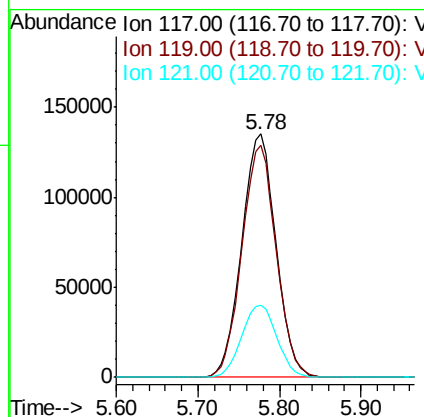
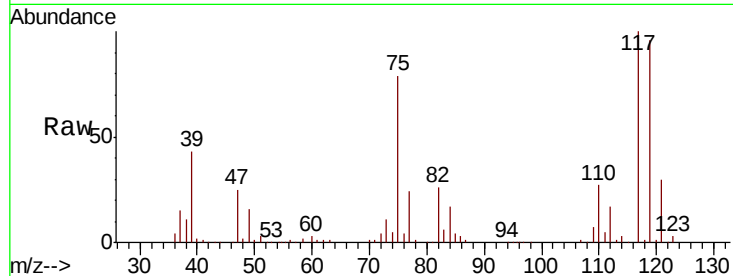
#33
Carbon Tetrachloride
Concen: 154.711 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.01 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.0	115.4
121	29.5	24.6	36.8

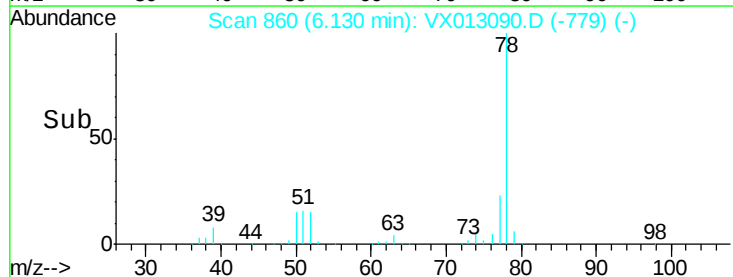
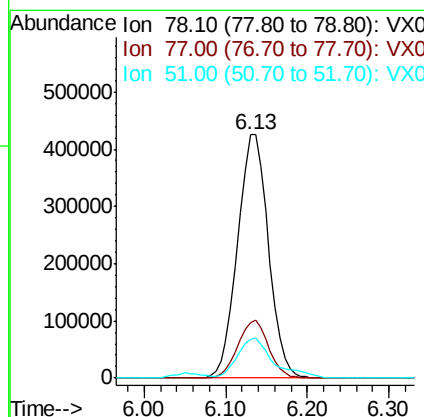
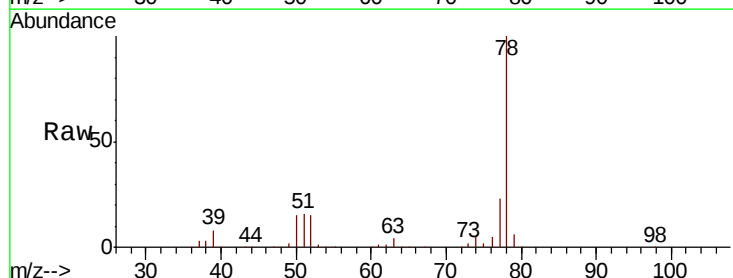
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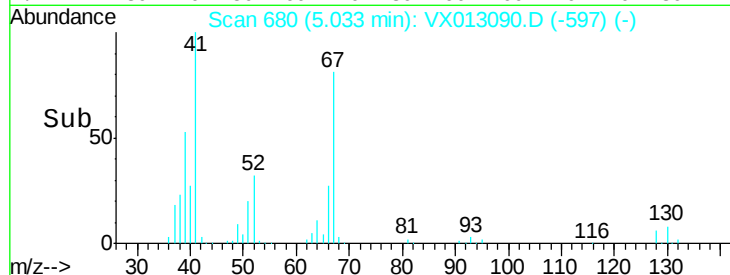
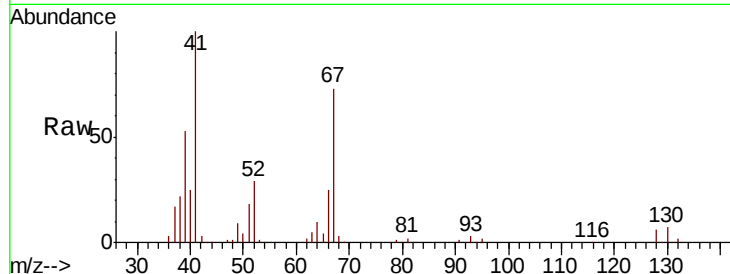
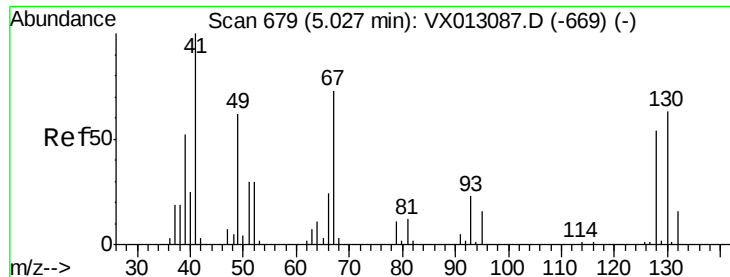
MMDadoda
10/18/2019 4:51:51 PM



#34
Benzene
Concen: 153.597 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

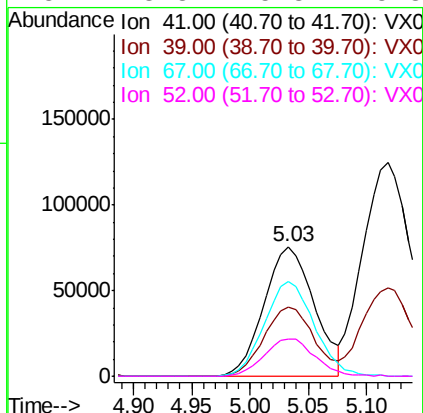
Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.5	27.7
51	15.7	12.1	18.1





#35
Methacrylonitrile
Concen: 164.284 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

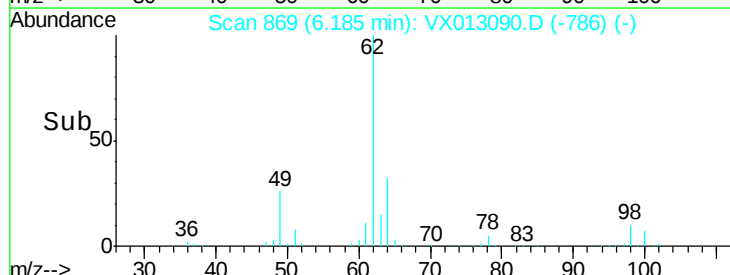
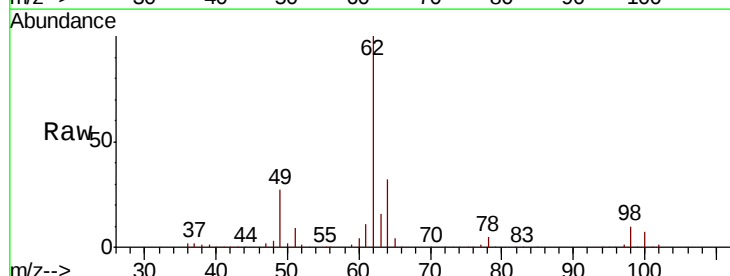
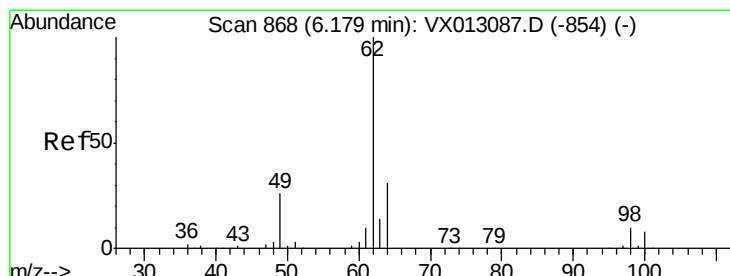
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		226486		
39	52.8	26.3	78.8		
67	73.3	36.5	109.5		
52	28.8	15.3	45.8		



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

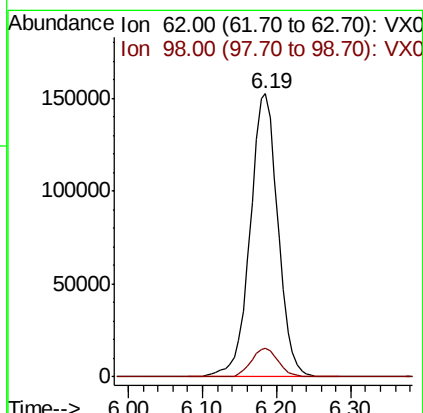
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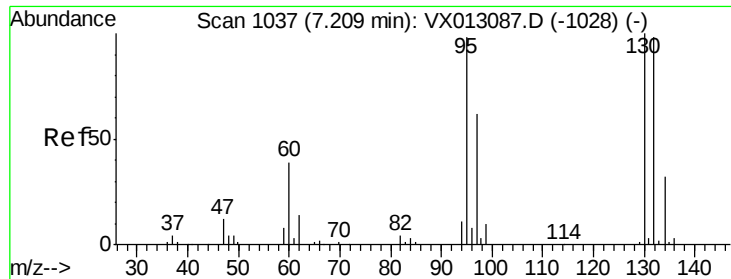
MMDadoda
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#36
1,2-Dichloroethane
Concen: 152.752 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		400161		
98	9.8	7.8	11.6		





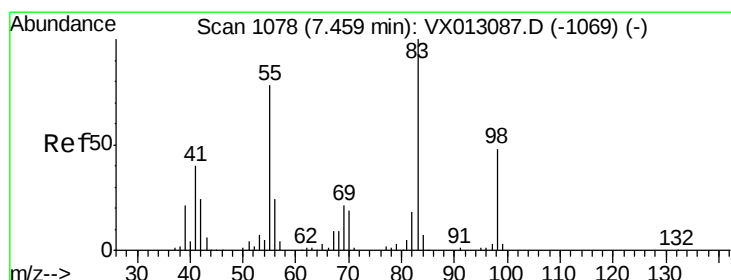
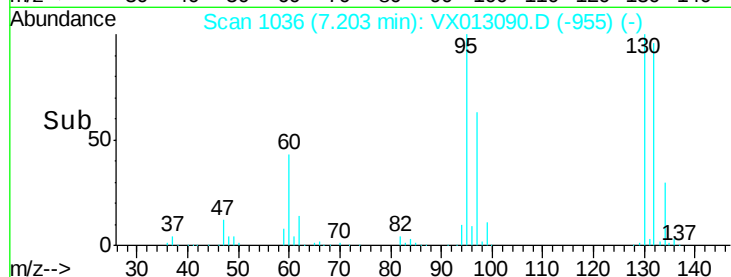
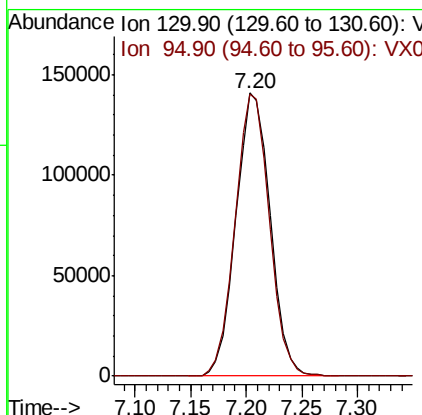
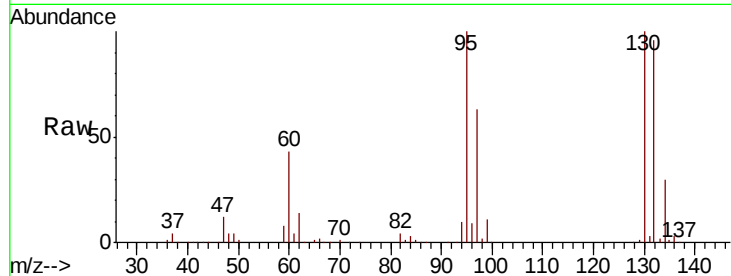
#37
 Trichloroethene
 Concen: 144.305 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:130 Resp: 301555
 Ion Ratio Lower Upper
 130 100
 95 99.5 78.4 117.6

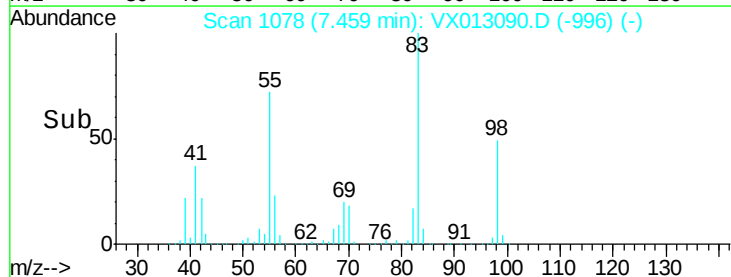
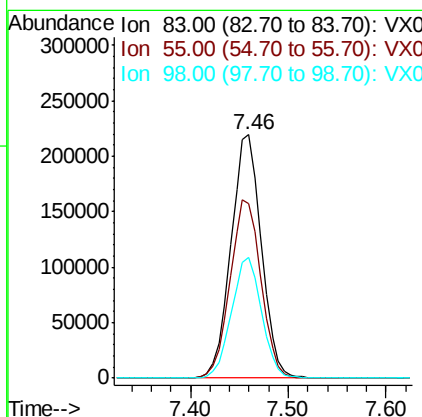
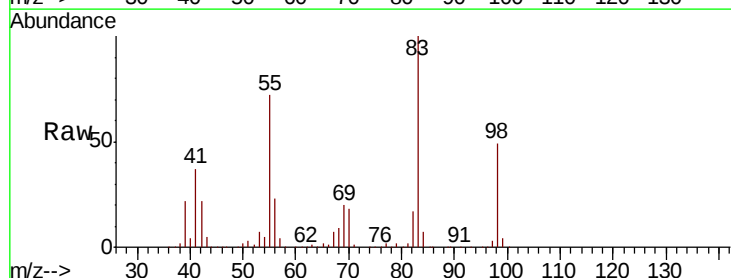
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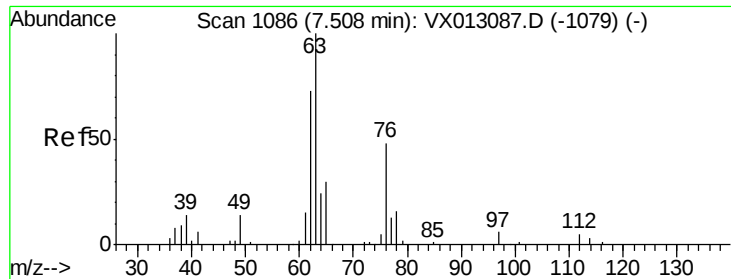
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 10/18/2019 4:51:51 PM



#38
 Methylcyclohexane
 Concen: 156.208 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Tgt Ion: 83 Resp: 472596
 Ion Ratio Lower Upper
 83 100
 55 74.4 38.3 114.8
 98 49.1 24.9 74.7





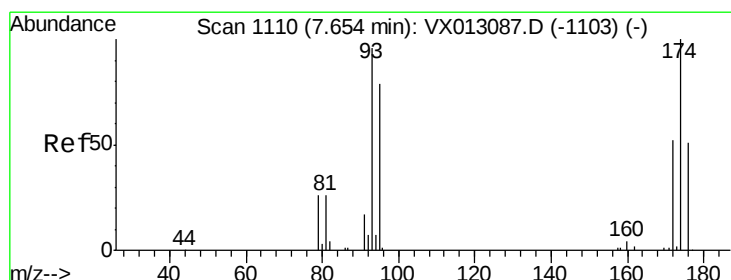
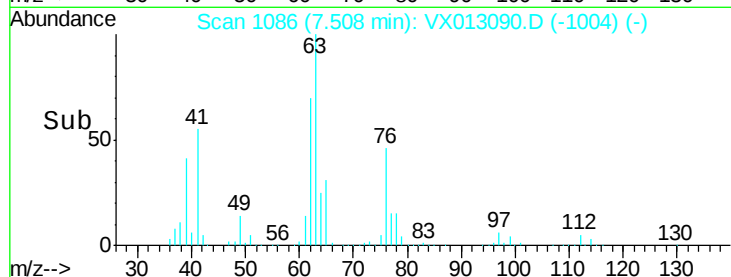
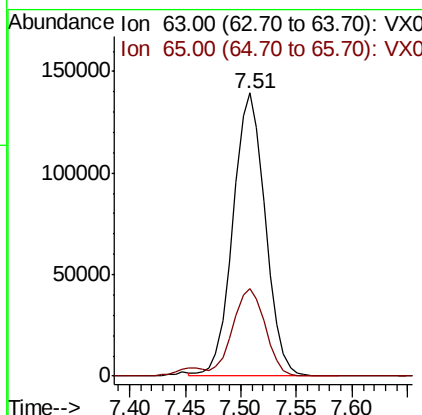
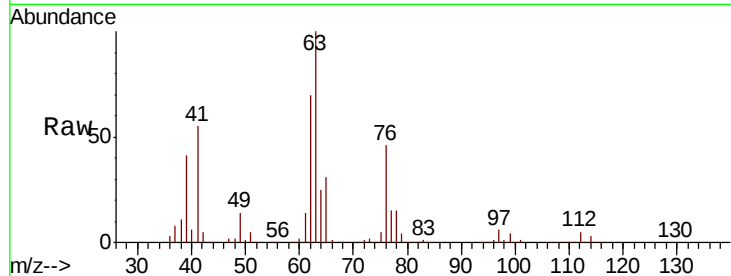
#39
 1,2-Dichloropropane
 Concen: 153.437 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 280147
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.6 38.4

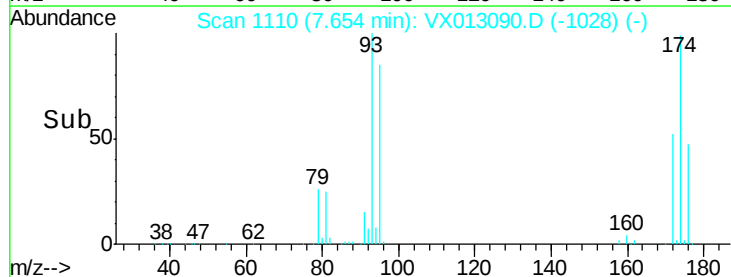
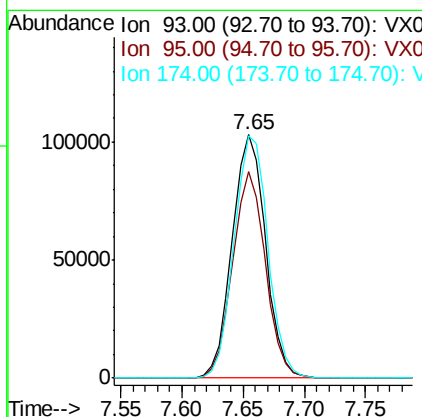
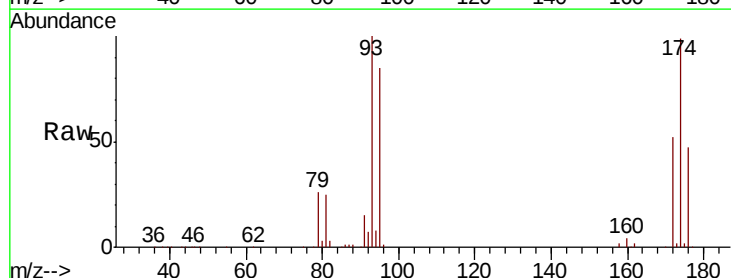
Manual Integrations
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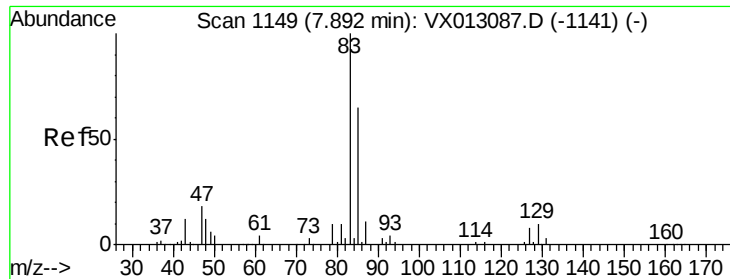
MMDadoda
 10/18/2019 4:51:51 PM



#40
 Dibromomethane
 Concen: 148.658 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Tgt Ion: 93 Resp: 195177
 Ion Ratio Lower Upper
 93 100
 95 83.5 0.0 171.2
 174 101.4 0.0 208.2





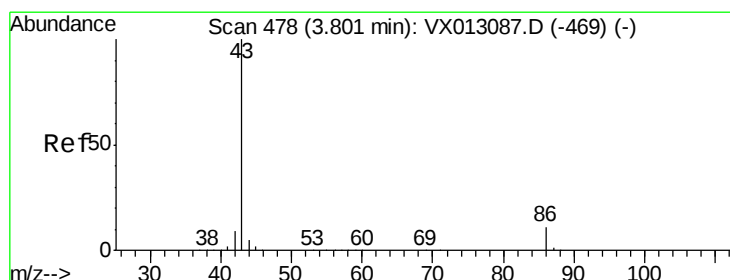
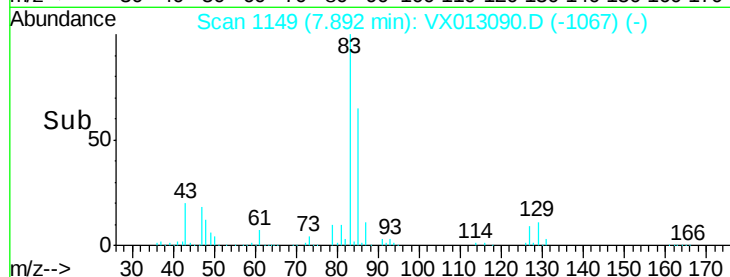
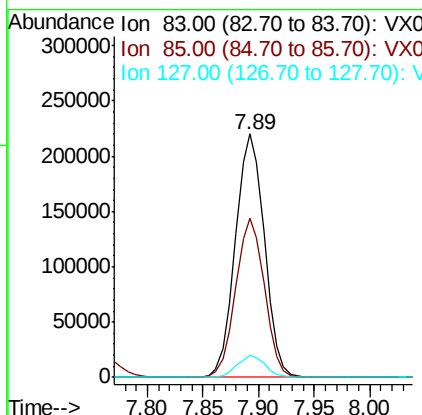
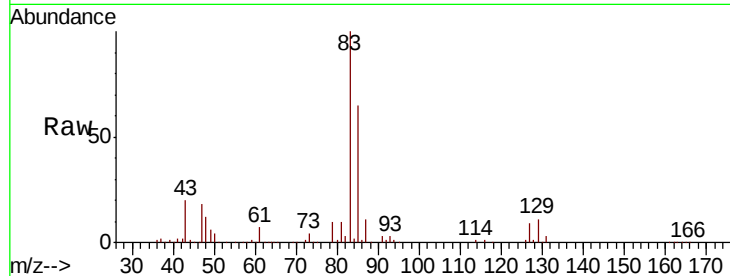
#41
Bromodichloromethane
Concen: 161.726 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.8	77.8
127	8.9	6.7	10.1

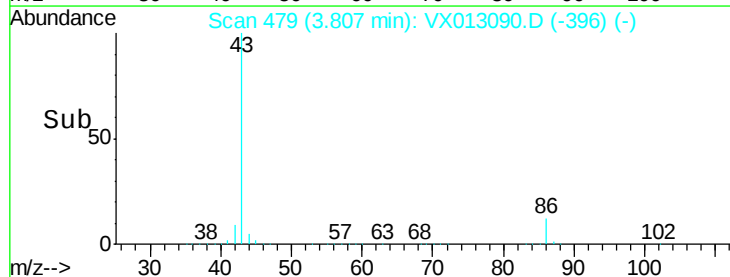
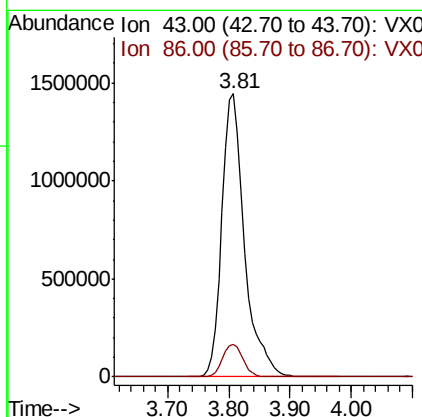
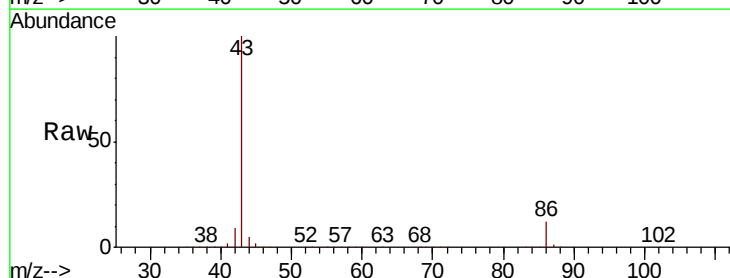
Manual Integrations
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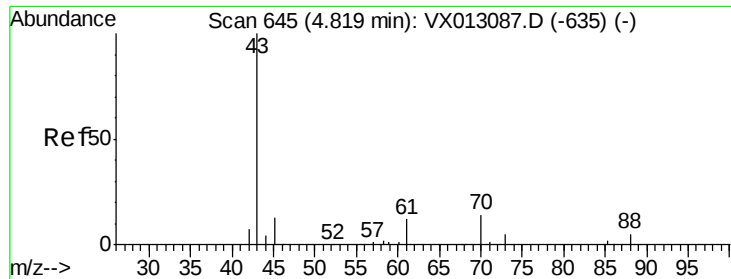
MMDadoda
10/18/2019 4:51:51 PM



#42
Vinyl Acetate
Concen: 840.650 ug/l
RT: 3.81 min Scan# 479
Delta R.T. 0.01 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.2	12.2





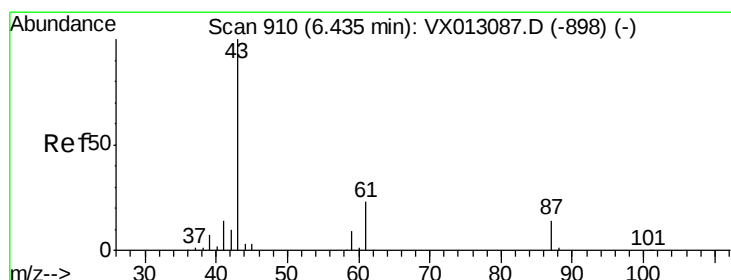
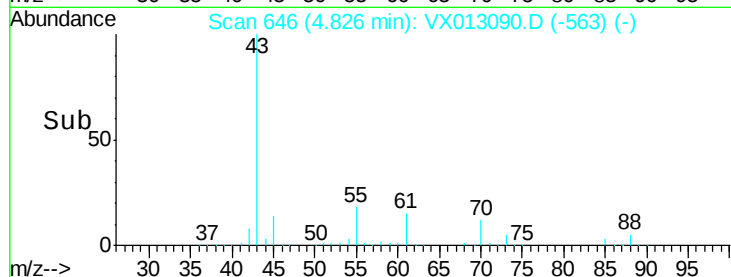
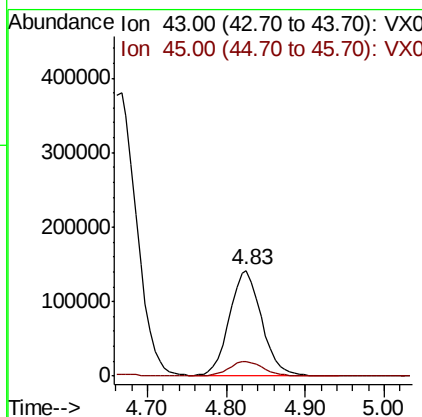
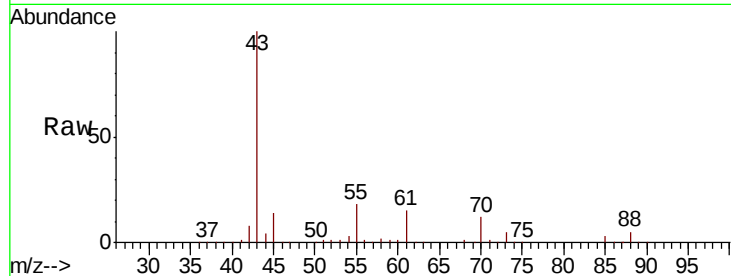
#43
Ethyl Acetate
Concen: 161.115 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 405251
Ion Ratio Lower Upper
43 100
45 14.9 12.8 19.2

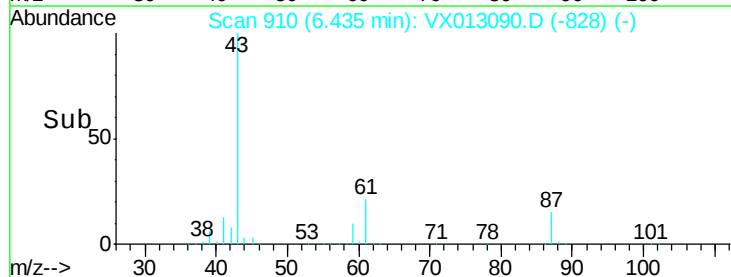
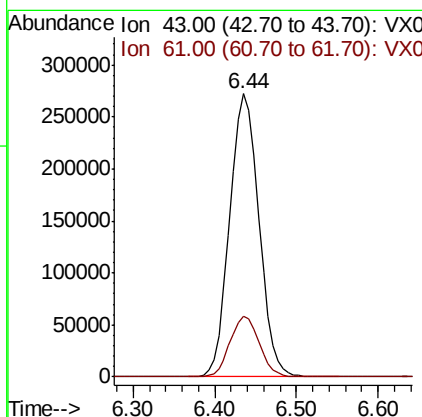
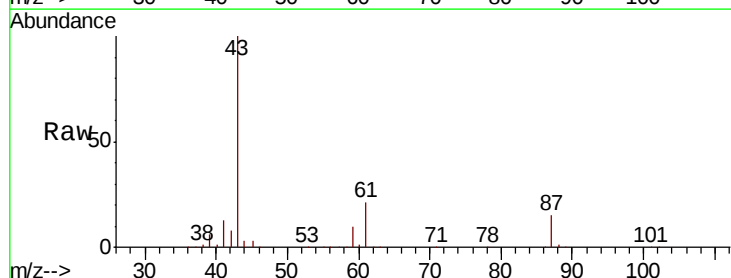
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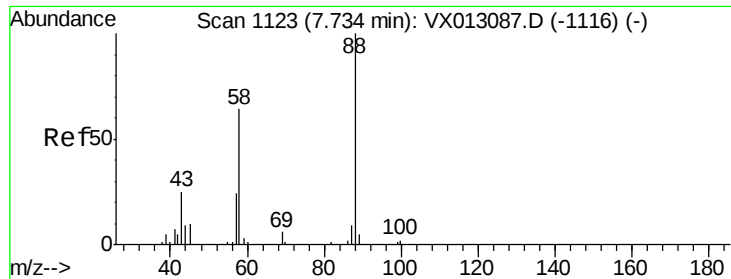
MMDadoda
10/18/2019 4:51:51 PM



#44
Isopropyl Acetate
Concen: 163.024 ug/l
RT: 6.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion: 43 Resp: 674178
Ion Ratio Lower Upper
43 100
61 21.4 16.7 25.1





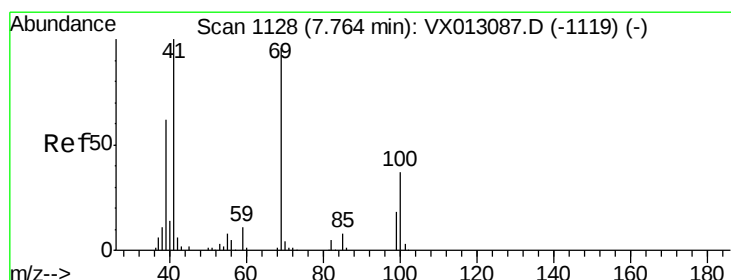
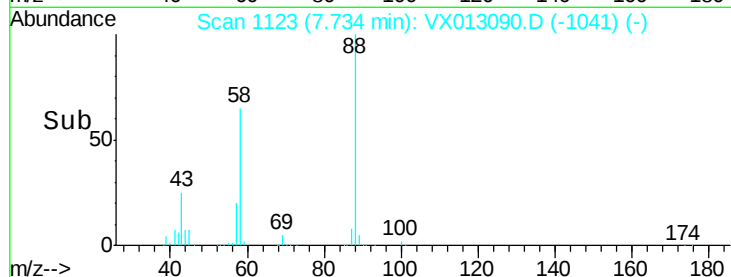
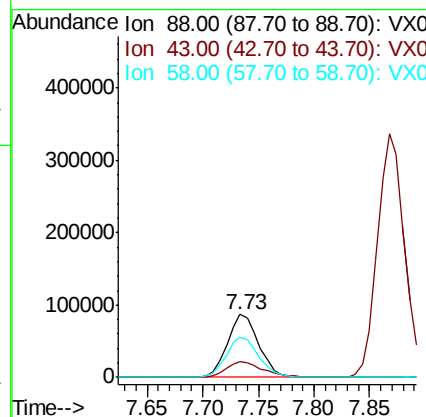
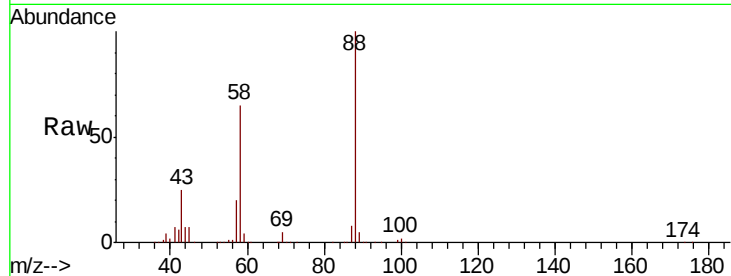
#45
1,4-Dioxane
Concen: 3243.458 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	169058		
43	29.5		26.0	39.0
58	67.1		53.0	79.4

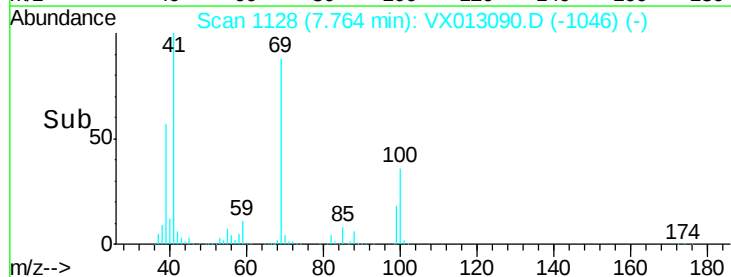
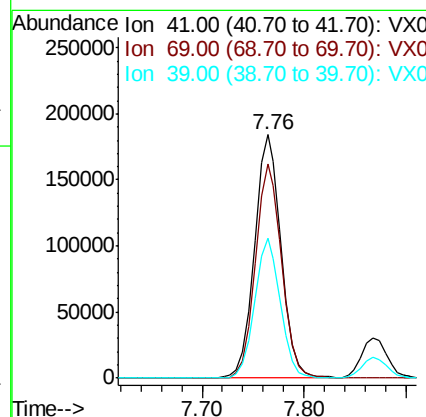
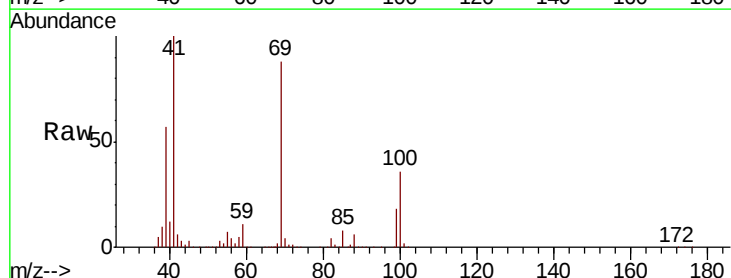
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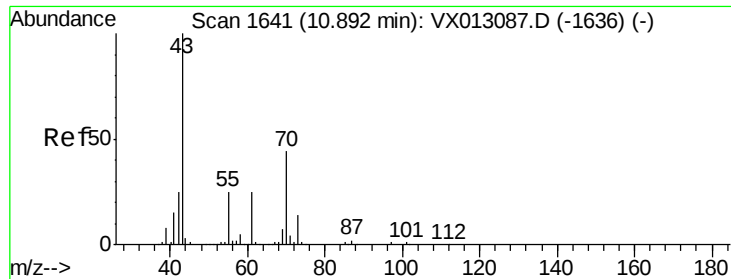
MMDadoda
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#46
Methyl methacrylate
Concen: 167.212 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	333639		
69	87.9		48.1	144.3
39	57.3		31.2	93.6





#47

n-amvl Acetate

Concen: 165.160 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 599083

Ion Ratio Lower Upper

43 100

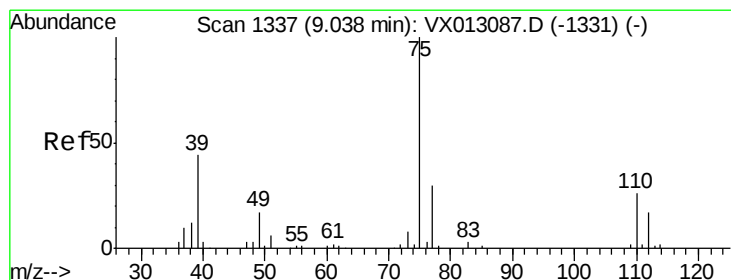
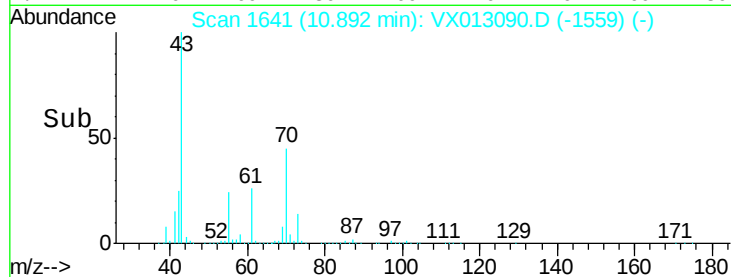
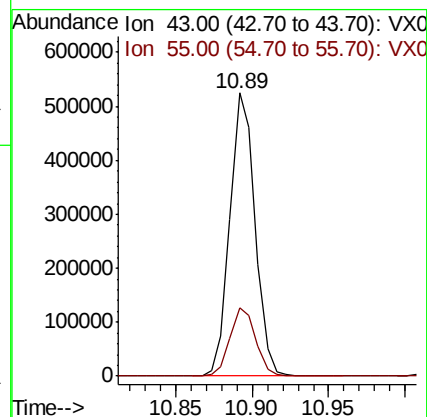
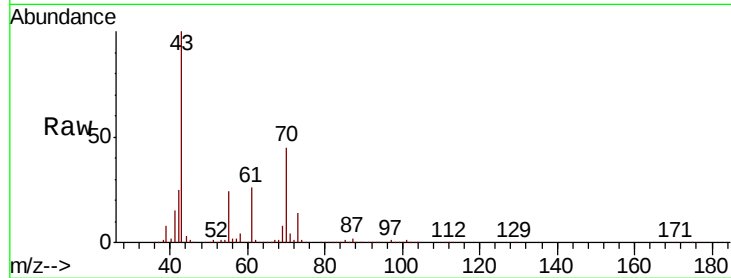
55 24.7 20.6 31.0

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 176.827 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX013090.D

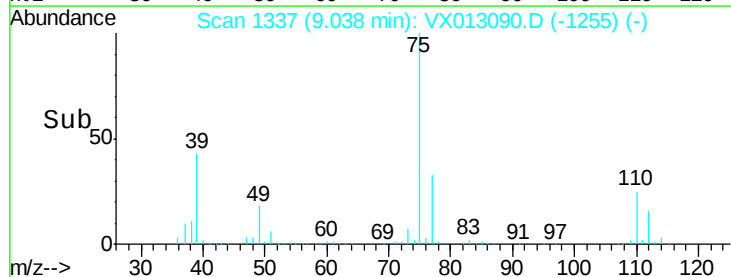
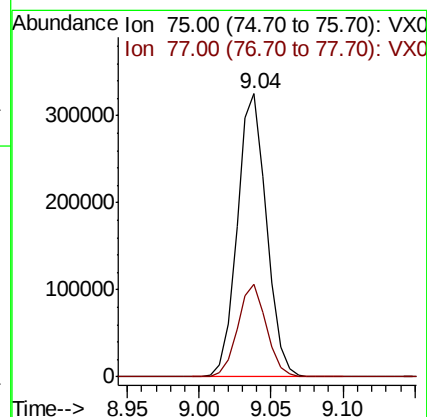
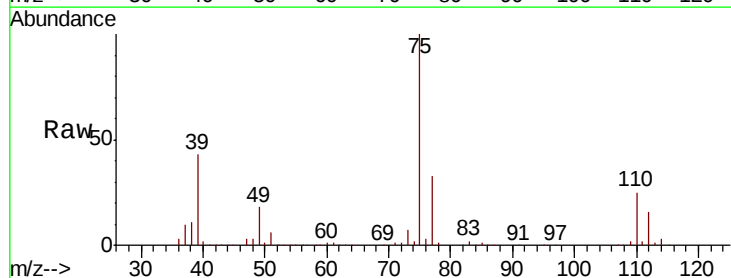
Acq: 16 Oct 2019 12:07

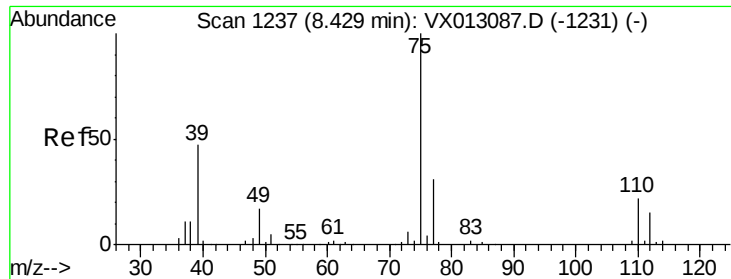
Tgt Ion: 75 Resp: 460600

Ion Ratio Lower Upper

75 100

77 32.5 23.7 35.5





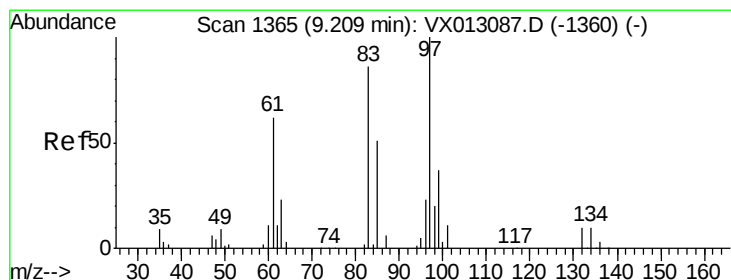
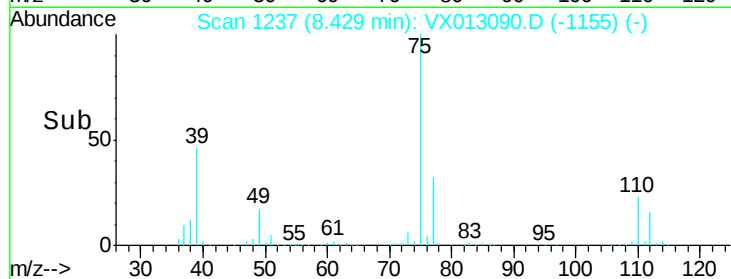
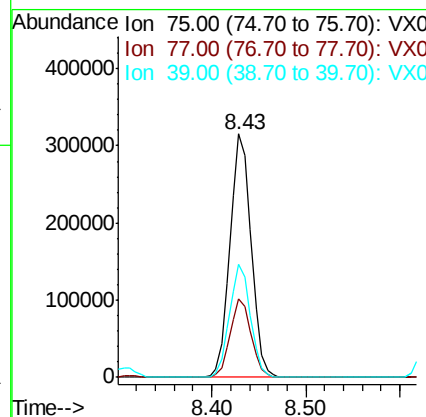
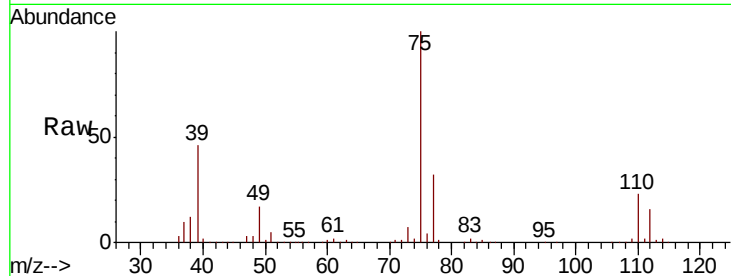
#49
 cis-1,3-Dichloropropene
 Concen: 172.590 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	46.4	37.4	56.0

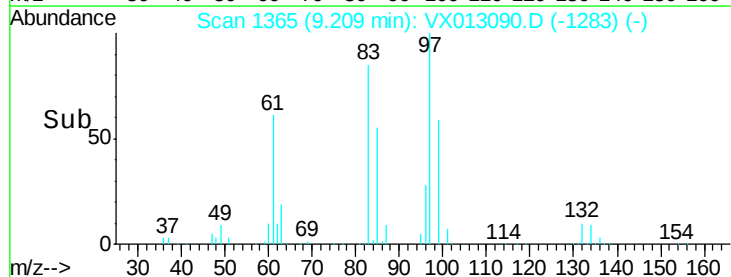
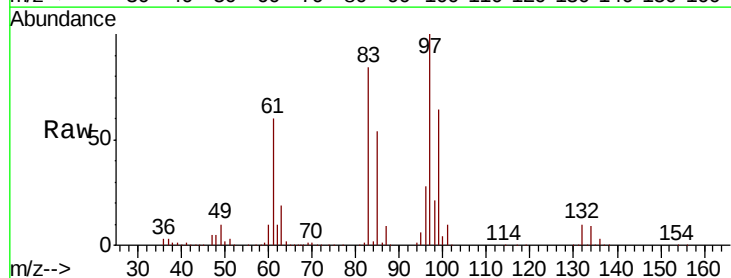
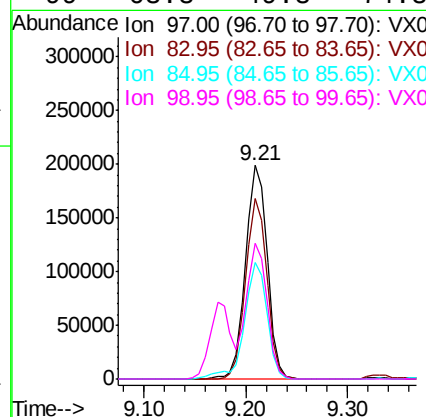
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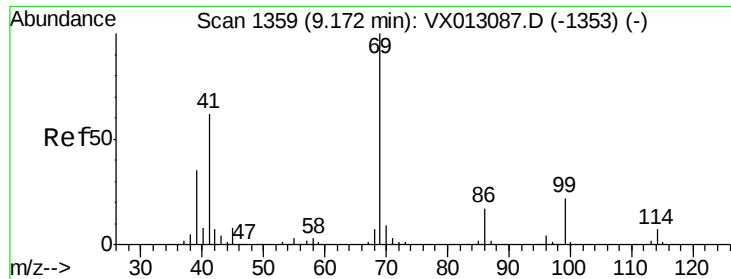
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 151.405 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.1	102.1
85	54.3	42.6	64.0
99	63.8	49.8	74.8





#51

Ethyl methacrylate

Concen: 165.230 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

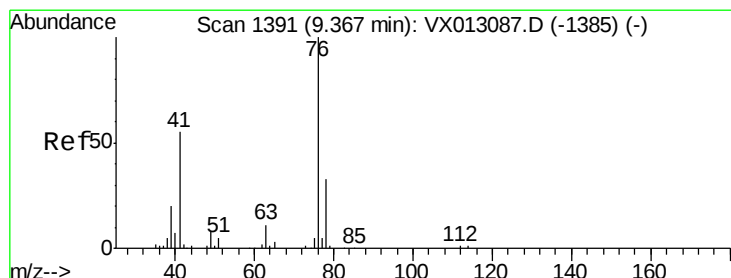
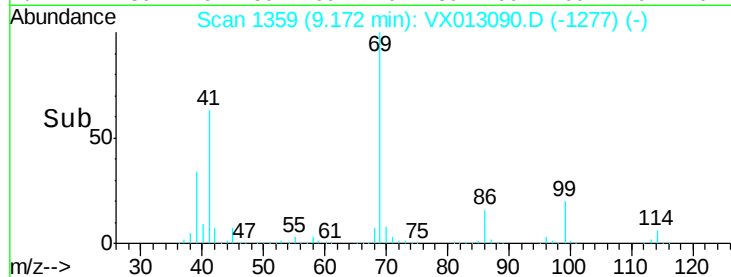
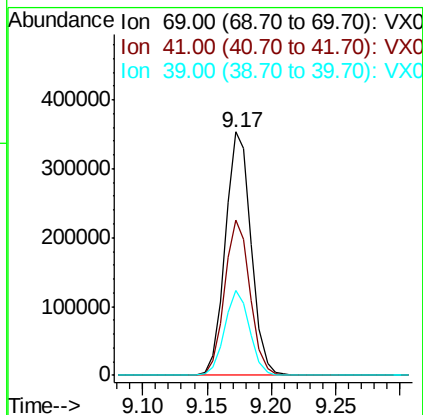
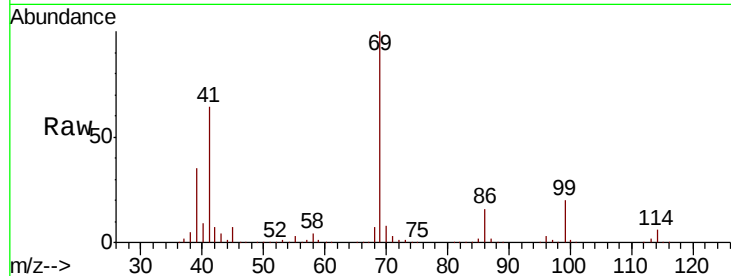
ClientSampleId :

VSTDIC150

Tot Ion:	69	Resp:	496824
Ion	Ratio	Lower	Upper
69	100		
41	63.9	31.1	93.3
39	34.6	17.6	52.9

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#52

1,3-Dichloropropane

Concen: 156.191 ug/l

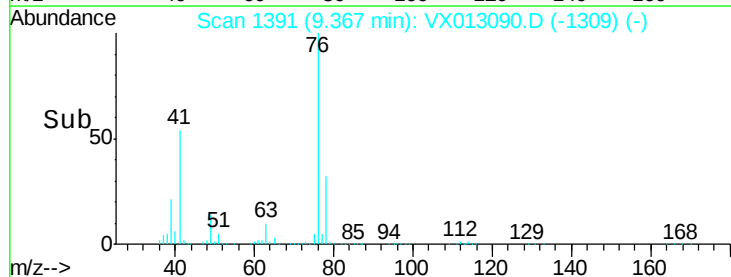
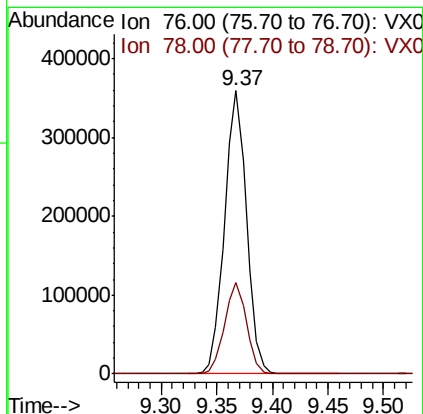
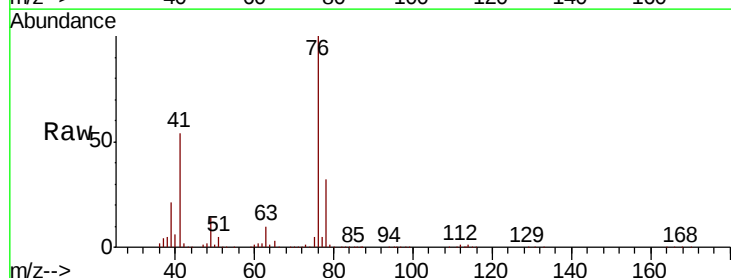
RT: 9.37 min Scan# 1391

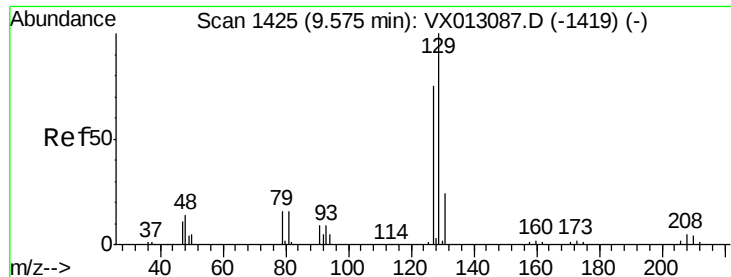
Delta R.T. -0.00 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Tgt Ion:	76	Resp:	491600
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	64.2





#53

Dibromochloromethane

Concen: 155.562 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:129 Resp: 324337

Ion Ratio Lower Upper

129 100

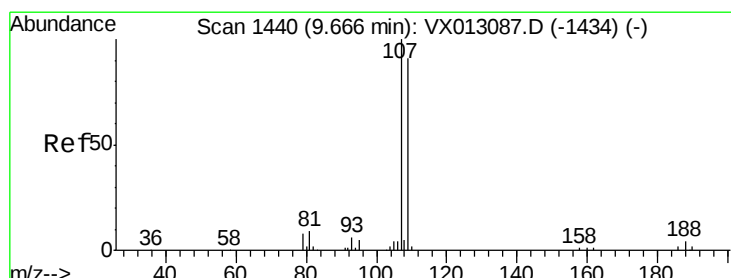
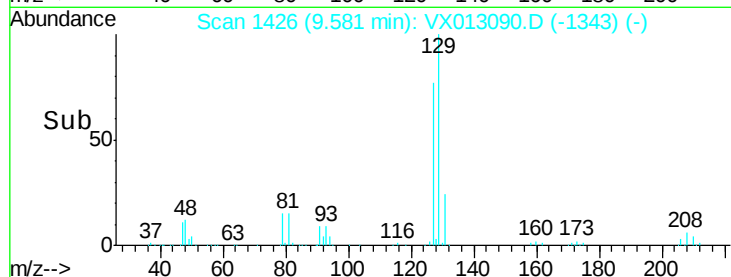
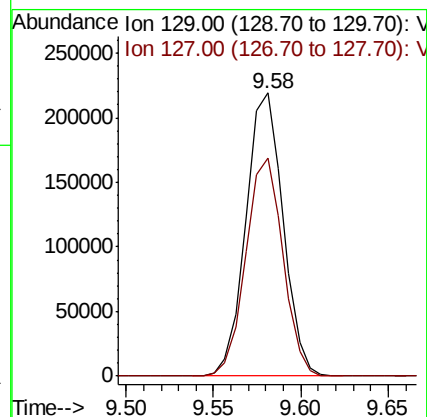
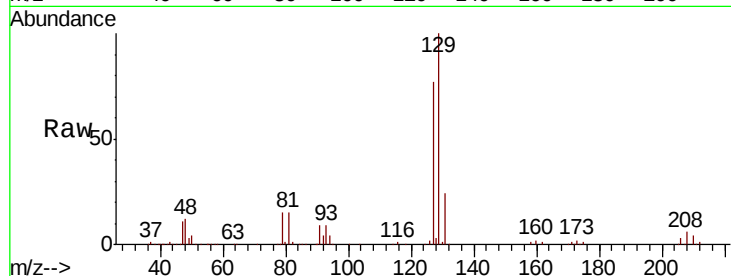
127 76.9 38.0 113.9

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 146.887 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013090.D

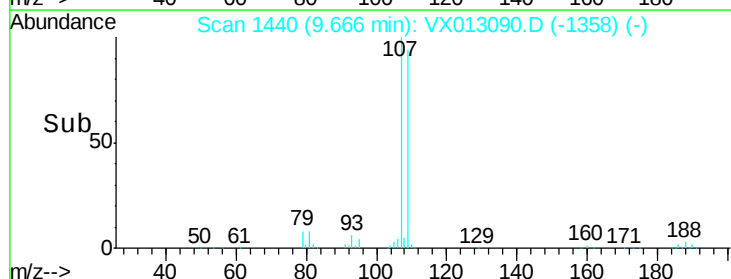
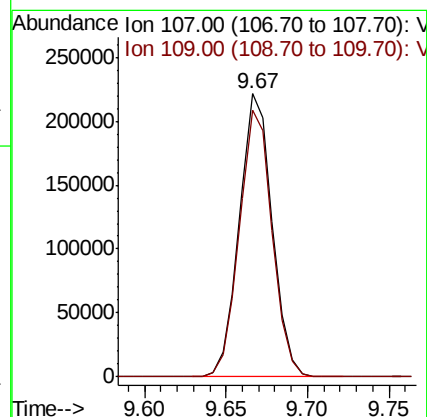
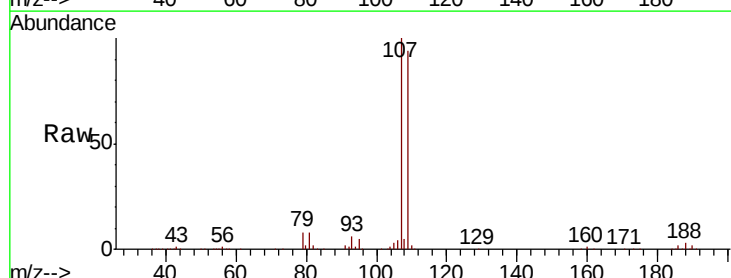
Acq: 16 Oct 2019 12:07

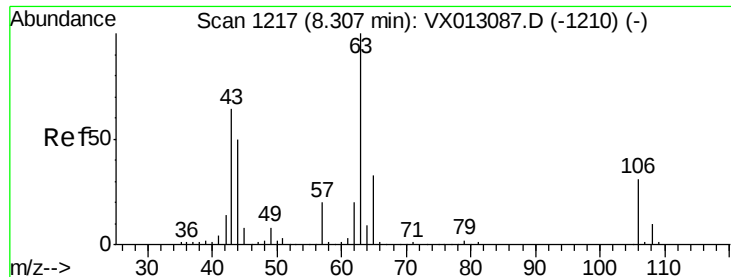
Tgt Ion:107 Resp: 309373

Ion Ratio Lower Upper

107 100

109 94.6 73.6 110.4





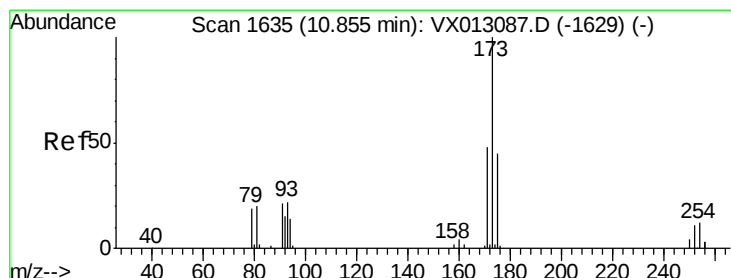
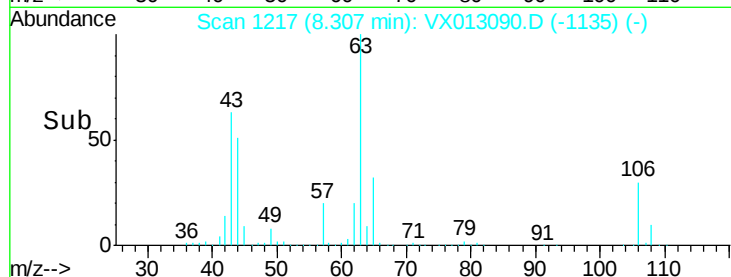
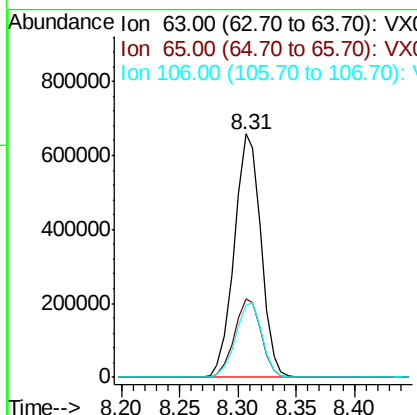
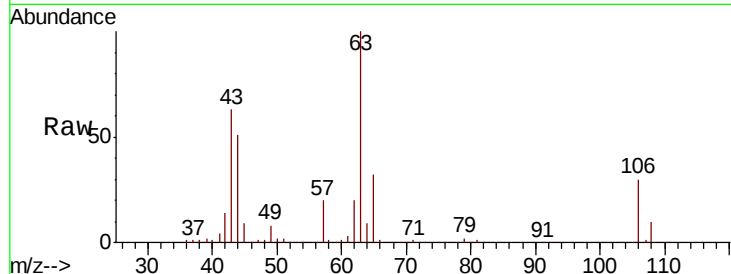
#55
2-Chloroethyl vinyl ether
Concen: 818.214 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.9	38.9
106	30.7	24.3	36.5

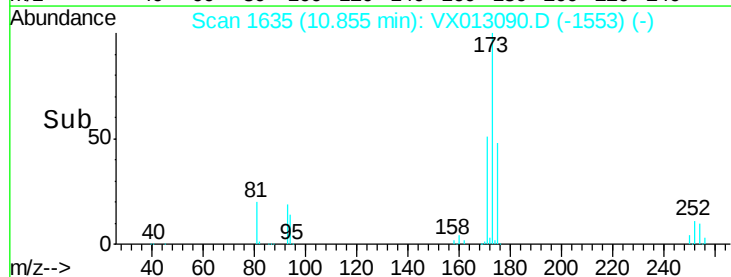
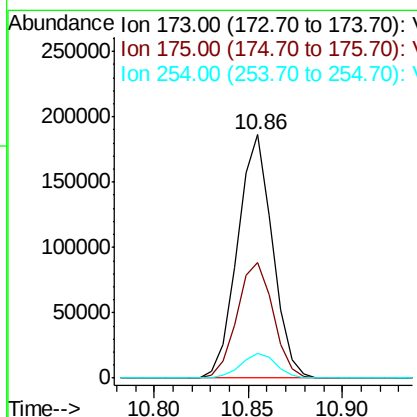
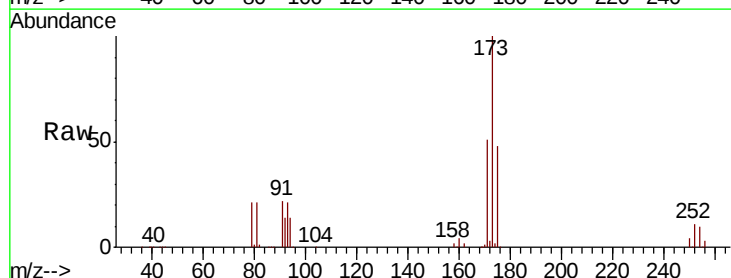
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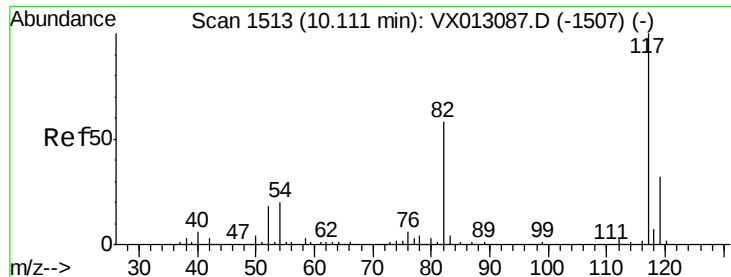
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#56
Bromoform
Concen: 155.368 ug/l
RT: 10.86 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	37.8	56.8
254	10.3	7.9	11.9





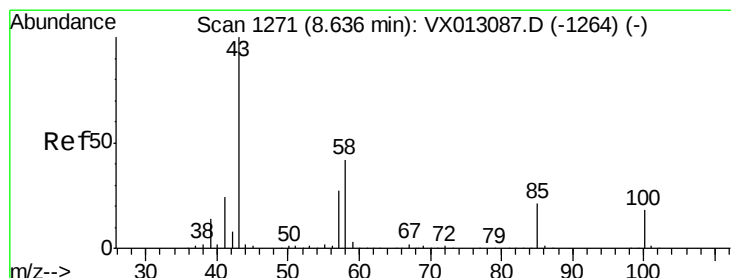
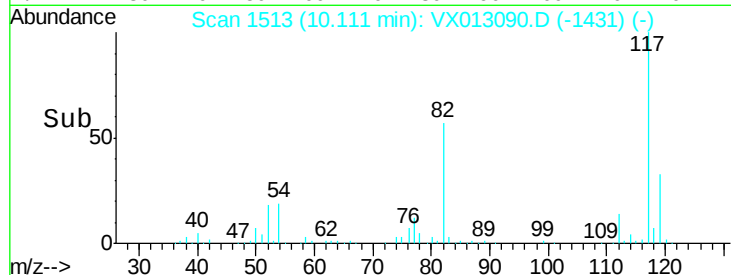
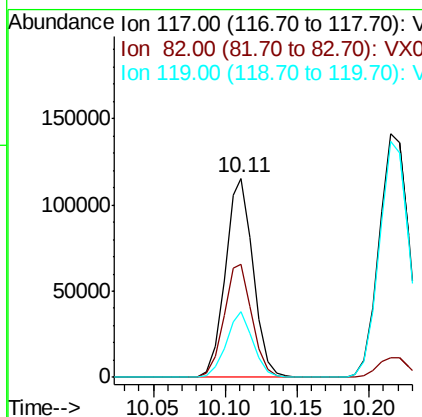
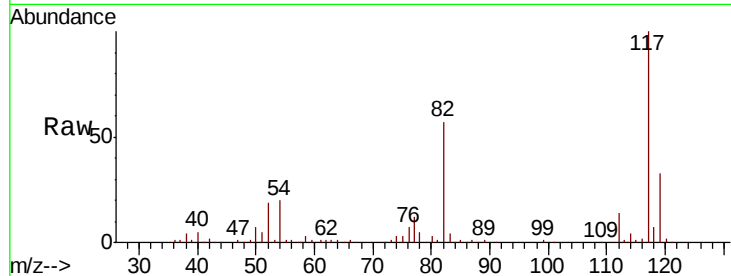
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.7	70.1
119	31.8	25.8	38.6

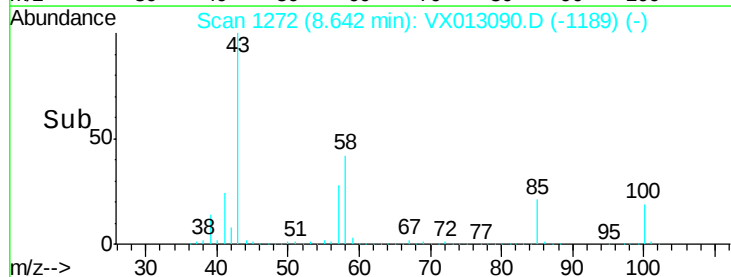
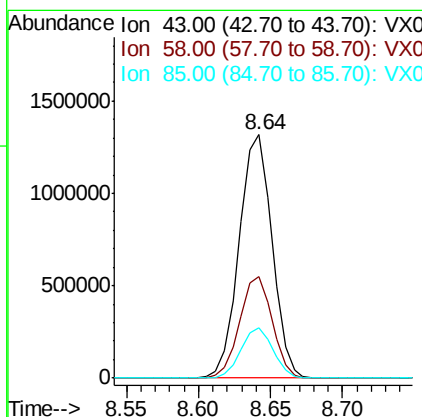
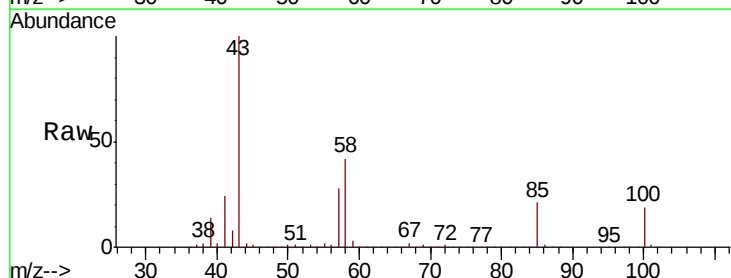
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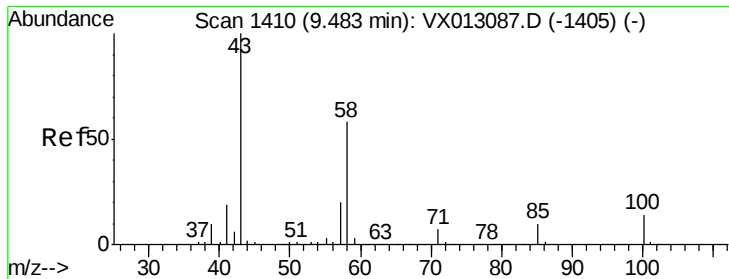
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 778.442 ug/l
RT: 8.64 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.4	33.0	49.4
85	20.4	16.0	24.0





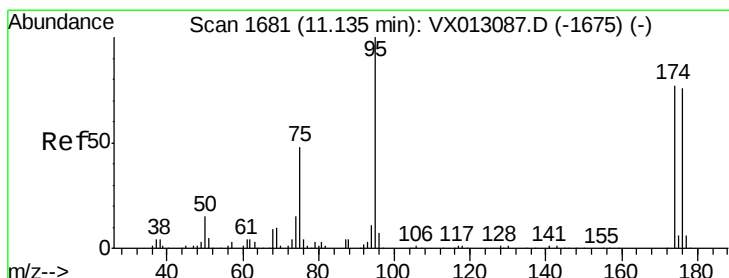
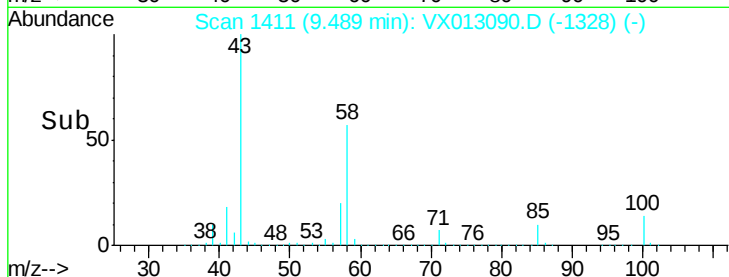
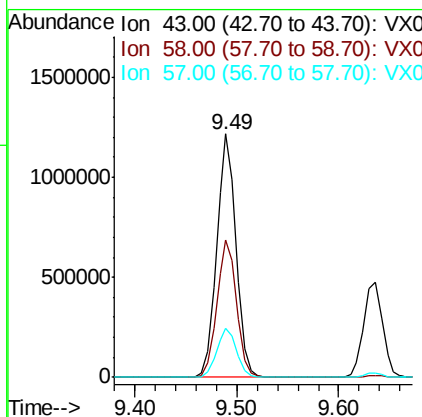
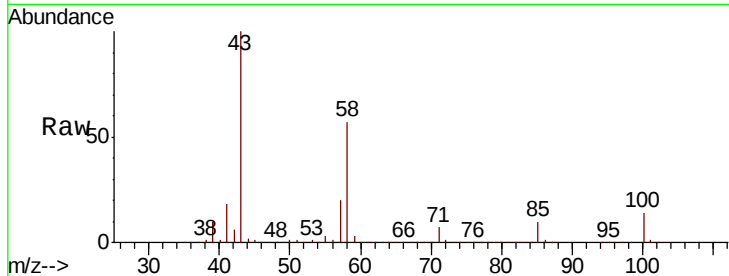
#59
2-Hexanone
Concen: 785.429 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1620458
Ion Ratio Lower Upper
43 100
58 57.1 45.4 68.2
57 20.4 16.2 24.2

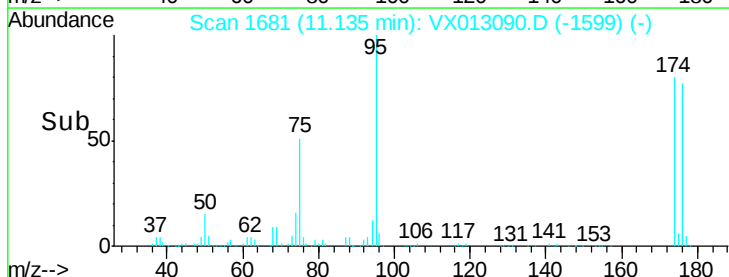
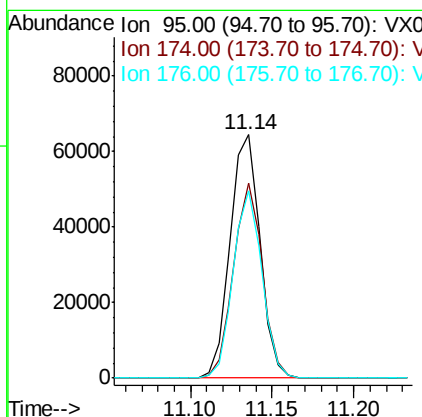
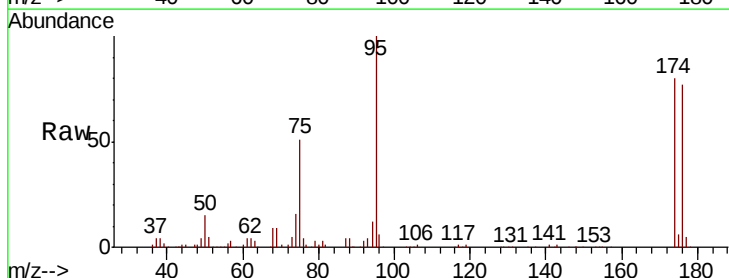
Manual Integrations
APPROVED

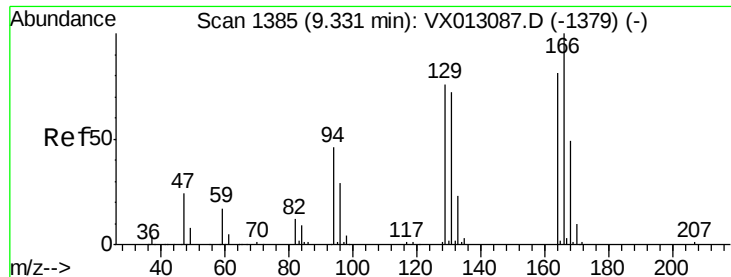
MMDadoda
10/18/2019 4:51:51 PM



#60
4-Bromofluorobenzene
Concen: 31.460 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion: 95 Resp: 82417
Ion Ratio Lower Upper
95 100
174 77.2 58.8 88.2
176 73.8 56.6 84.8





#61

Tetrachloroethene

Concen: 128.081 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 263994

Ion Ratio Lower Upper

164 100

166 122.5 98.4 147.6

129 96.5 75.2 112.8

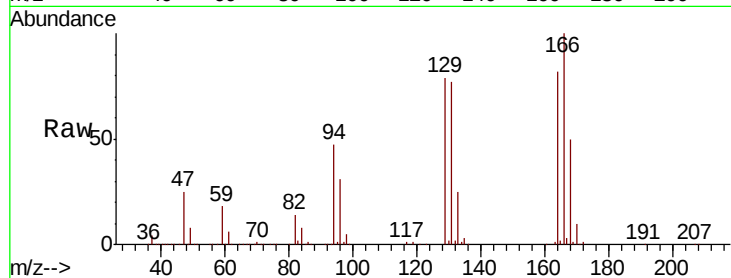
131 93.8 70.4 105.6

Manual Integrations

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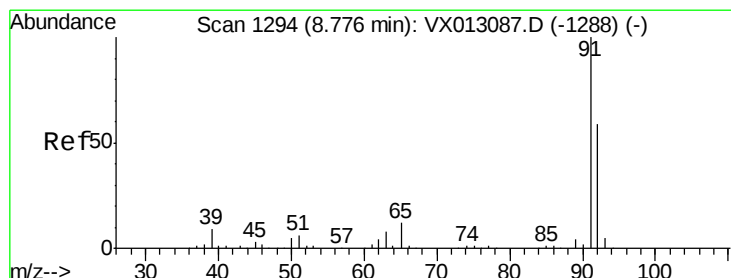
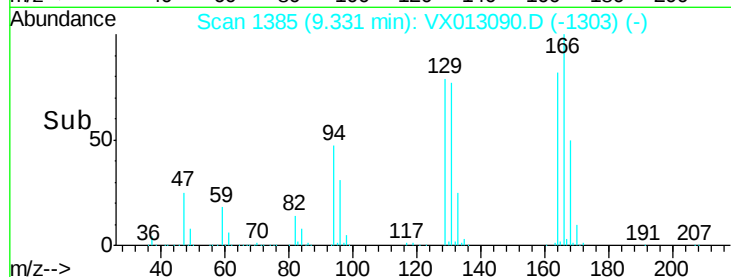
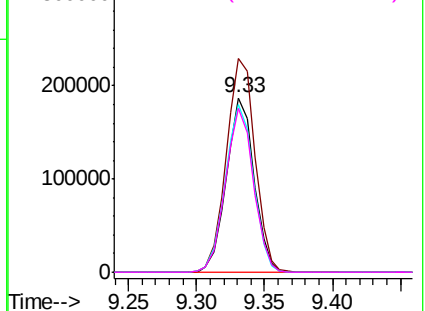


Abundance Ion 163.85 (163.55 to 164.55): V

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: 145.477 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX013090.D

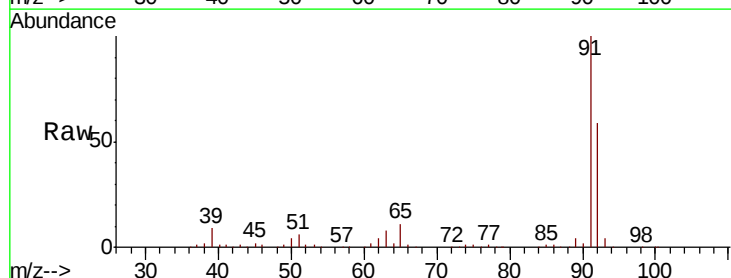
Acq: 16 Oct 2019 12:07

Tgt Ion: 91 Resp: 1212422

Ion Ratio Lower Upper

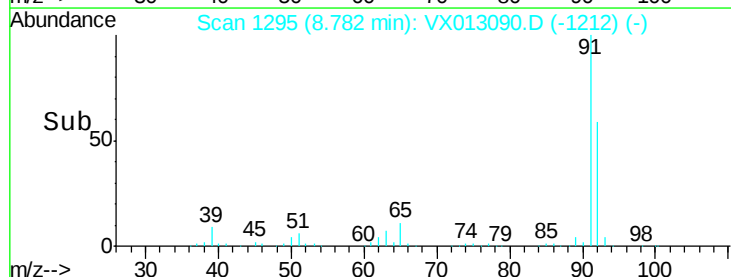
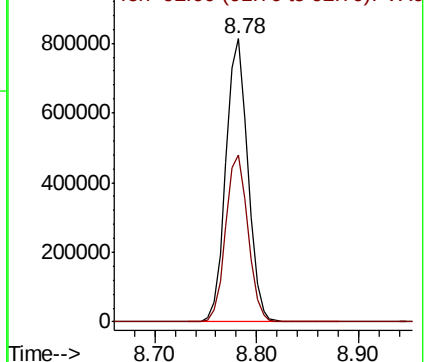
91 100

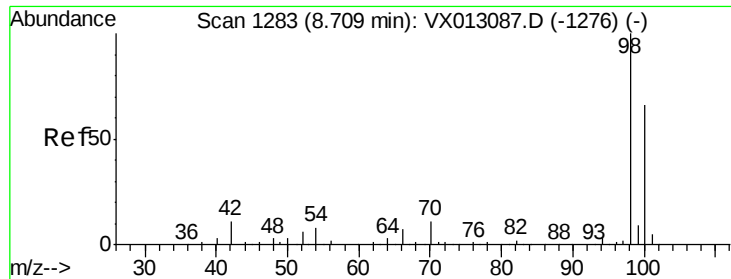
92 59.8 47.6 71.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





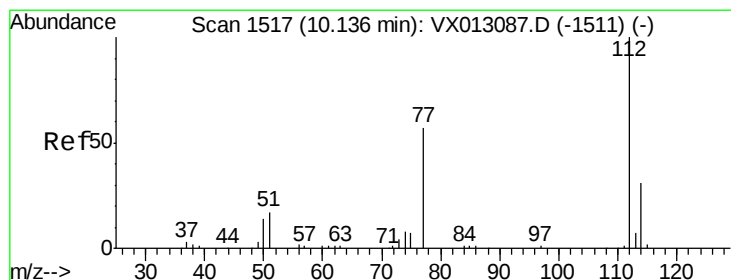
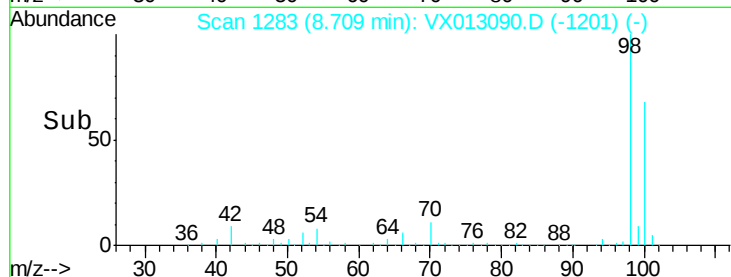
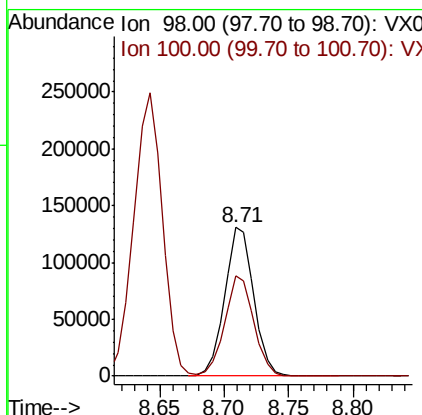
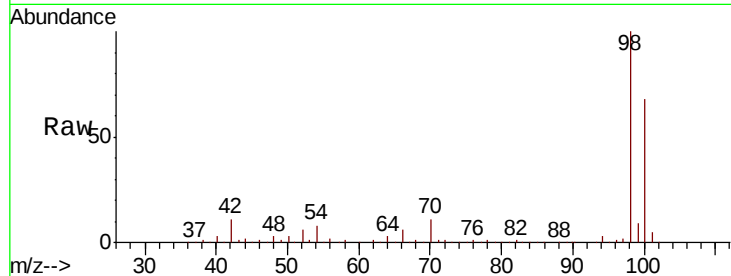
#63
Toluene-d8
Concen: 29.951 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion: 98 Resp: 207575
Ion Ratio Lower Upper
98 100
100 67.1 53.8 80.6

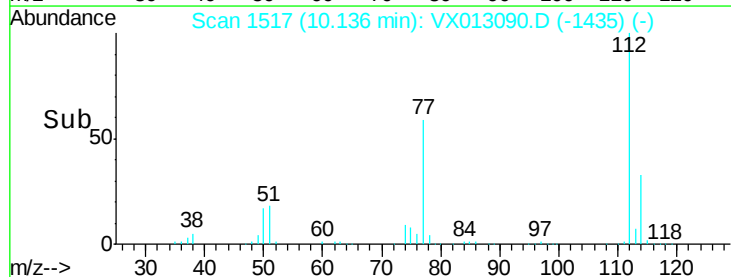
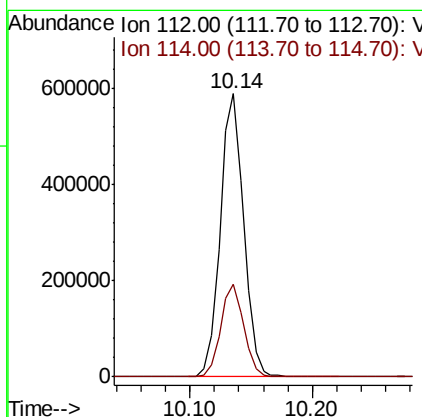
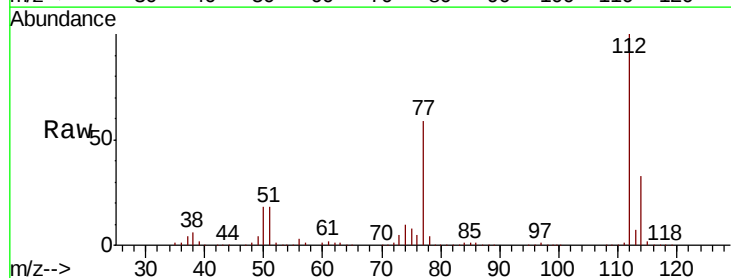
Manual Integrations
APPROVED

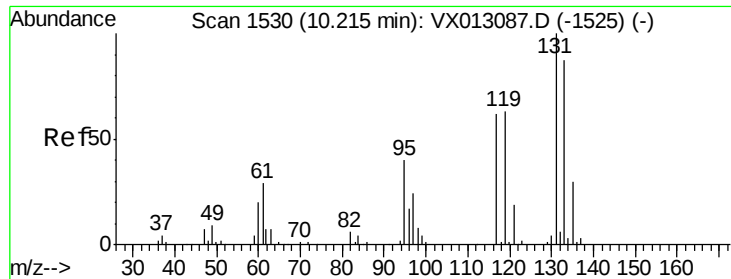
MMDadoda
10/18/2019 4:51:51 PM



#64
Chlorobenzene
Concen: 146.210 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion: 112 Resp: 779904
Ion Ratio Lower Upper
112 100
114 32.6 25.2 37.8





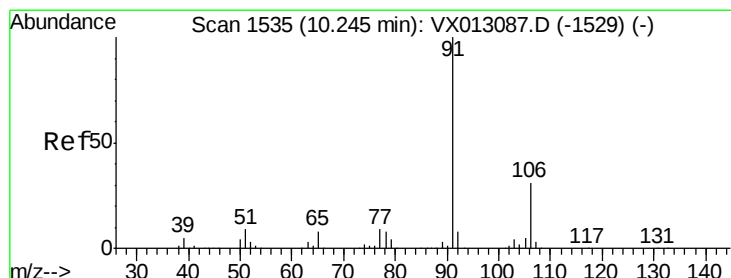
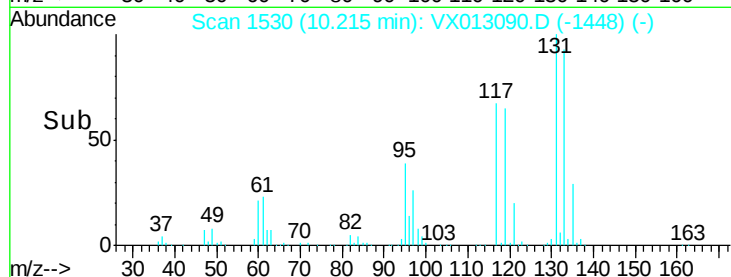
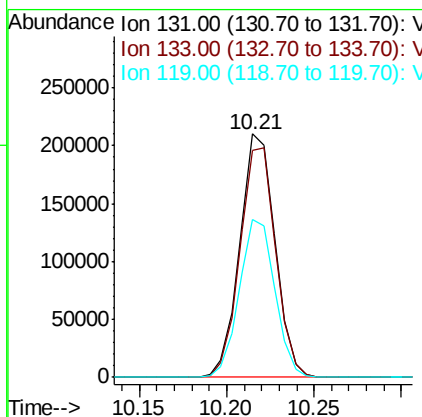
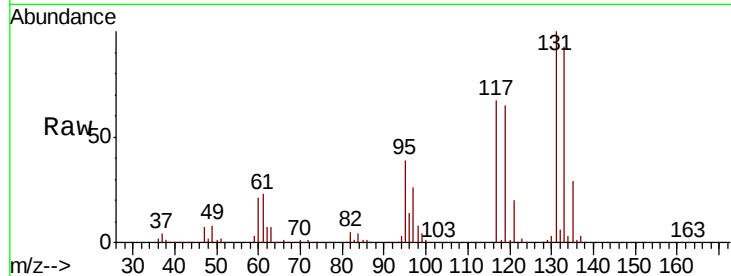
#65
1,1,1,2-Tetrachloroethane
Concen: 150.846 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
131	100	294264		
133	95.7	0.0	187.8	
119	65.4	0.0	128.4	

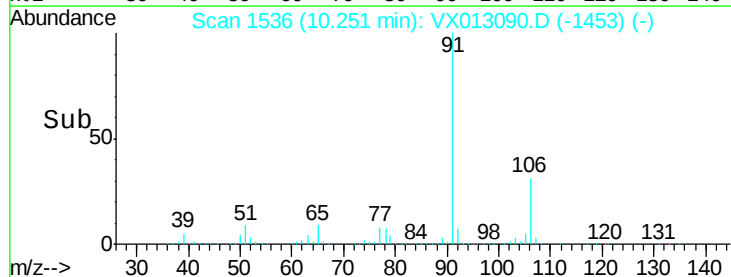
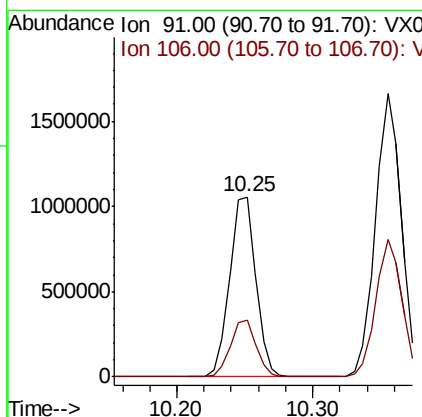
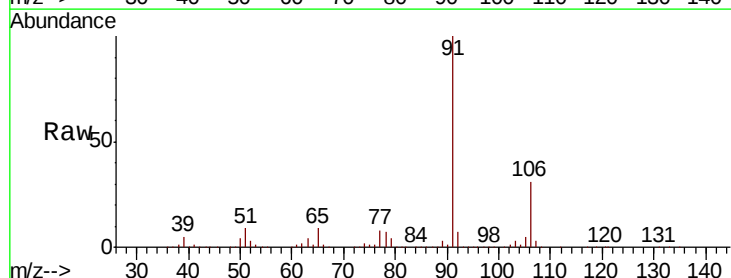
Manual Integrations
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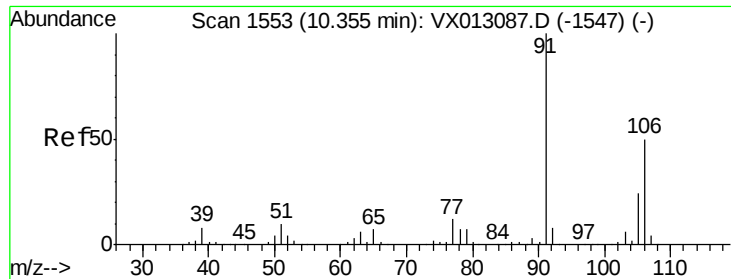
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#66
Ethyl Benzene
Concen: 151.238 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1418415		
106	31.4	25.0	37.4	





#67

m/p-Xvlenes

Concen: 298.752 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:106 Resp: 1067138

Ion Ratio Lower Upper

106 100

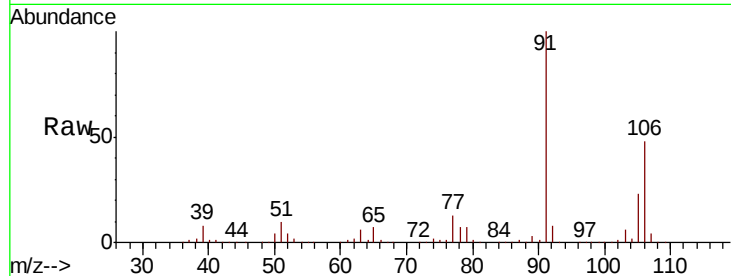
91 205.6 162.6 243.8

Manual Integrations

APPROVED

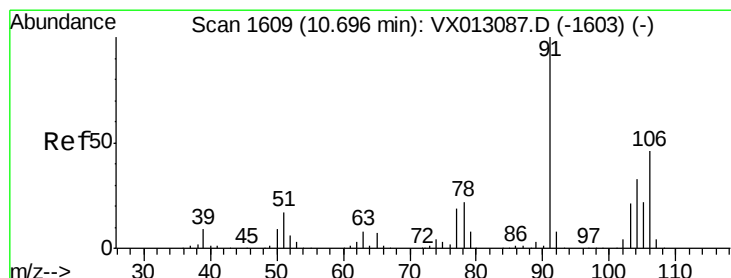
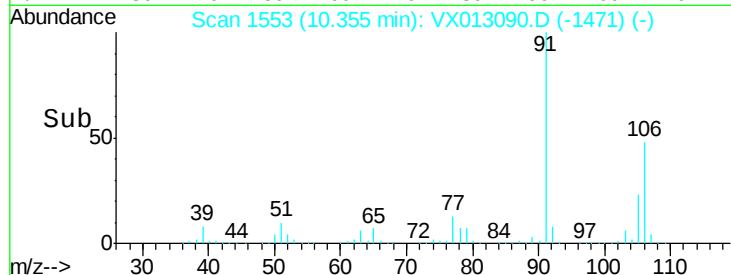
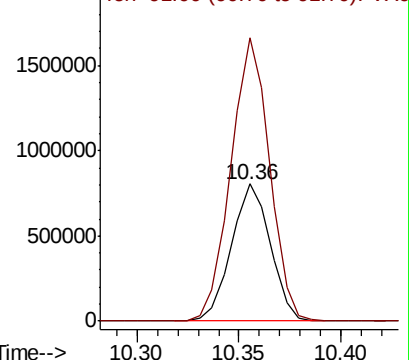
MMDadoda

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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: 149.103 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX013090.D

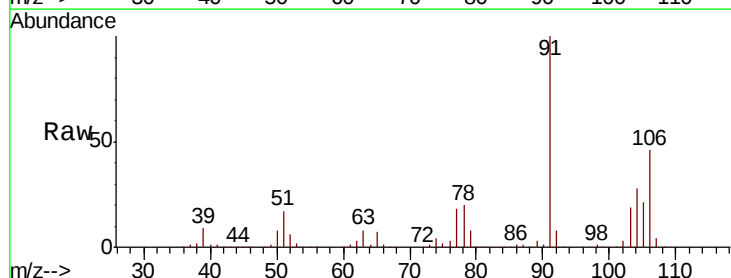
Acq: 16 Oct 2019 12:07

Tgt Ion:106 Resp: 522591

Ion Ratio Lower Upper

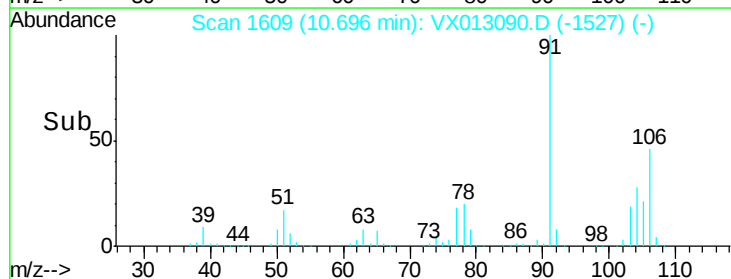
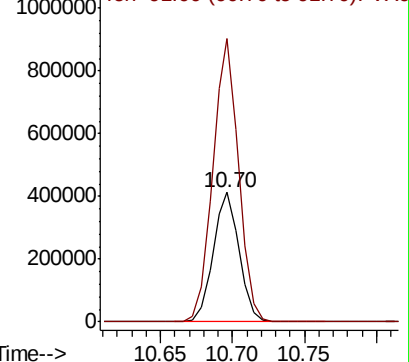
106 100

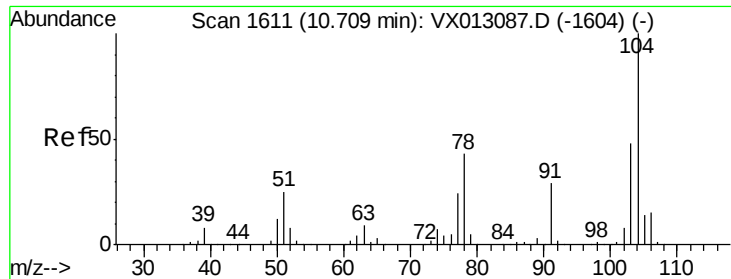
91 216.1 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





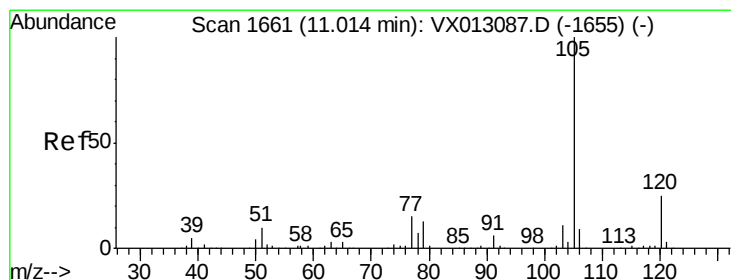
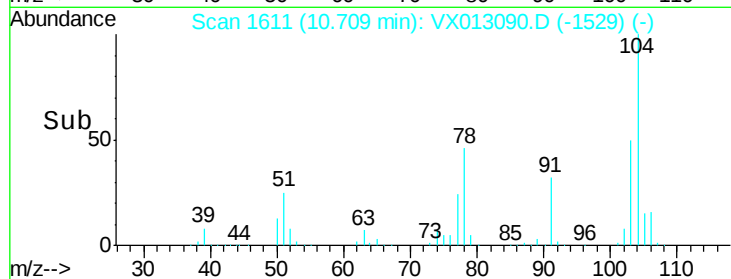
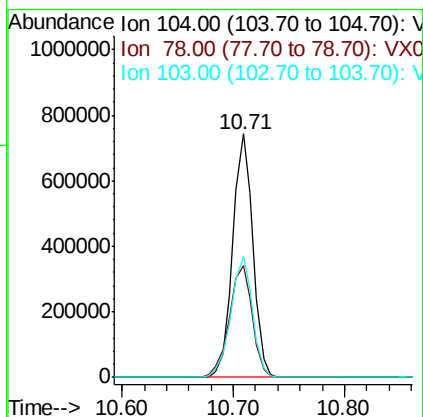
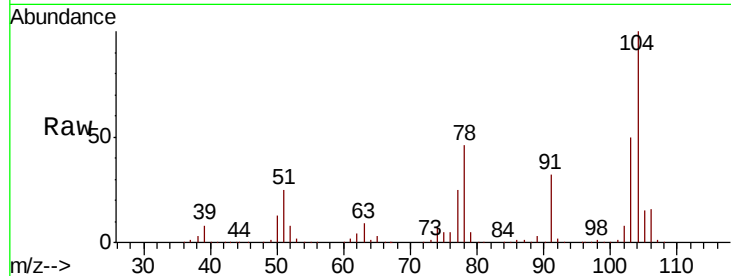
#69
Stvrene
Concen: 156.969 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.0	61.4
103	53.5	42.8	64.2

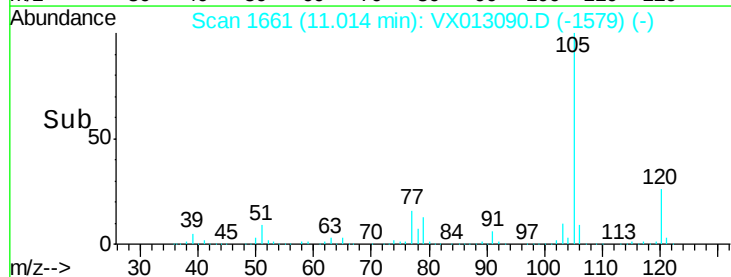
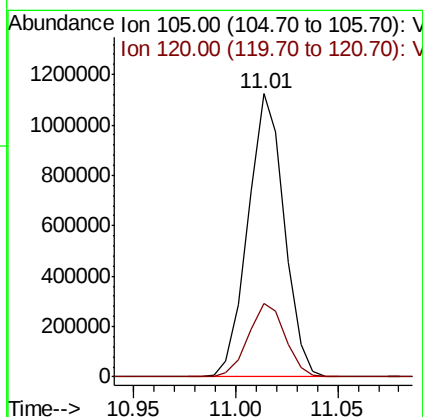
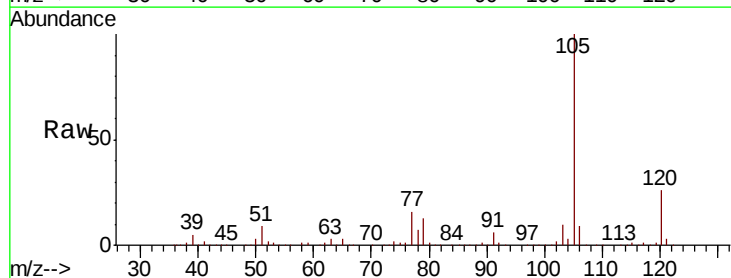
Manual Integrations
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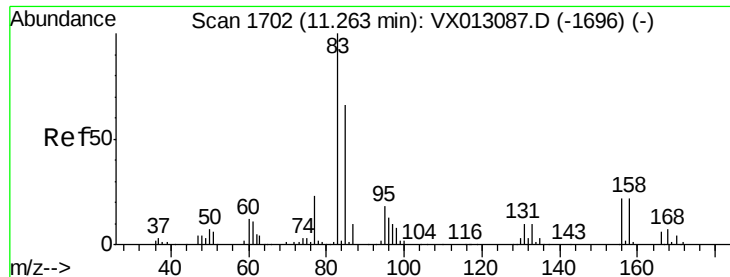
MMDadoda
10/18/2019 4:51:51 PM



#70
Isopropylbenzene
Concen: 149.005 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	17.9	33.3





#71

1,1,2,2-Tetrachloroethane

Concen: 148.216 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 447879

Ion Ratio Lower Upper

83 100

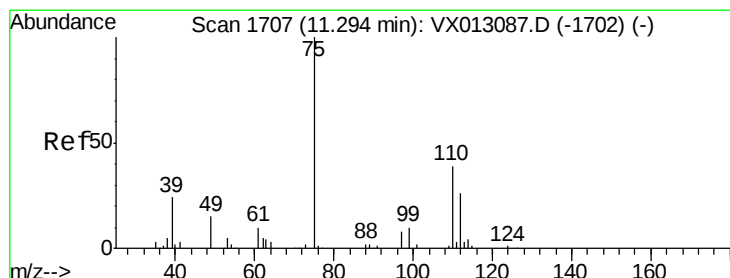
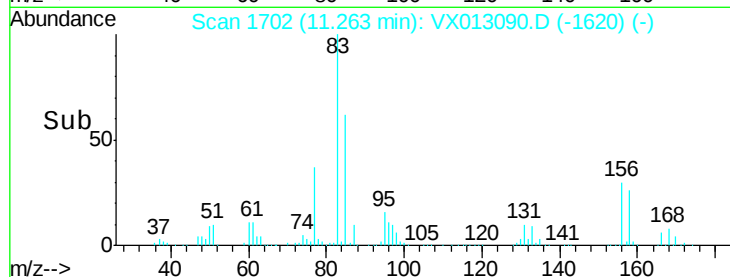
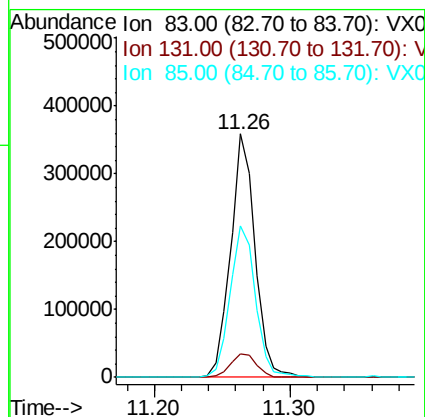
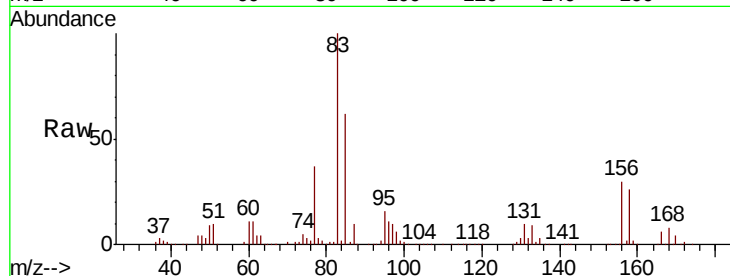
131 10.5 4.9 14.6

85 65.1 31.9 95.9

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 138.053 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013090.D

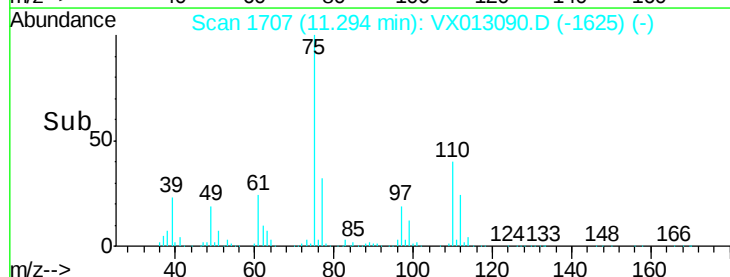
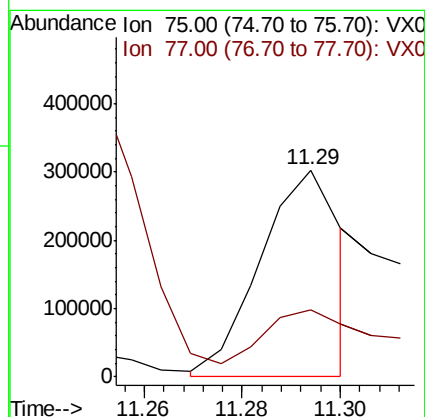
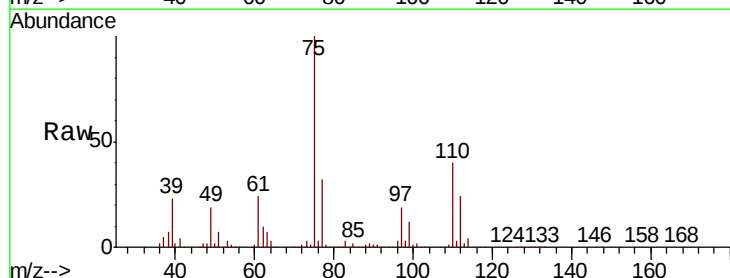
Acq: 16 Oct 2019 12:07

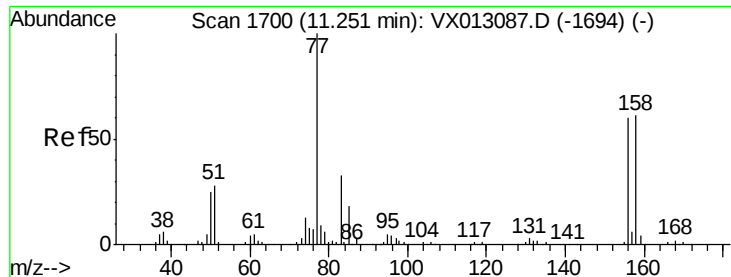
Tgt Ion: 75 Resp: 346097

Ion Ratio Lower Upper

75 100

77 47.4 0.0 87.8





#73

Bromobenzene

Concen: 133.837 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 328395

Ion Ratio Lower Upper

156 100

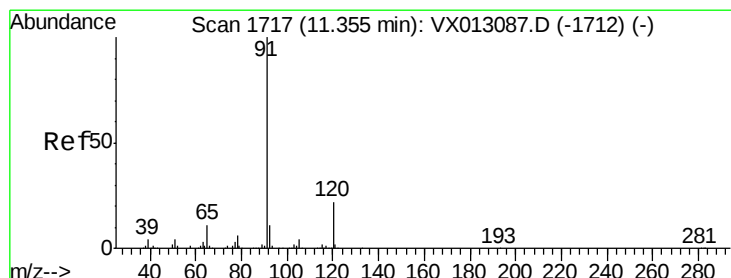
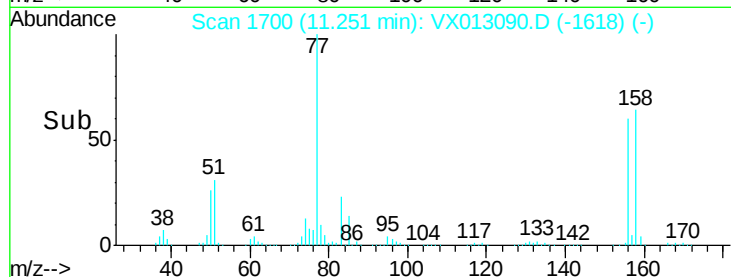
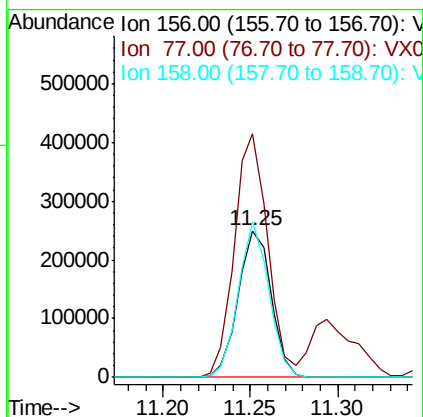
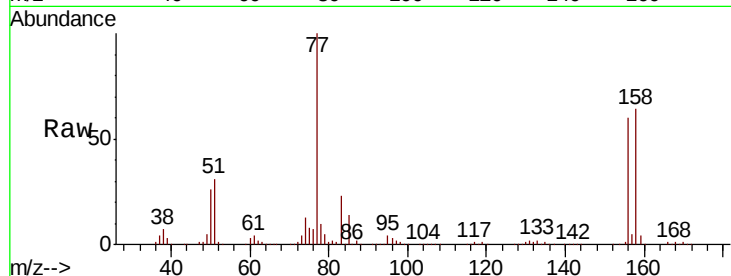
77 167.6 0.0 344.0

158 98.6 0.0 195.6

Manual Integrations
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#74

n-propylbenzene

Concen: 153.868 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013090.D

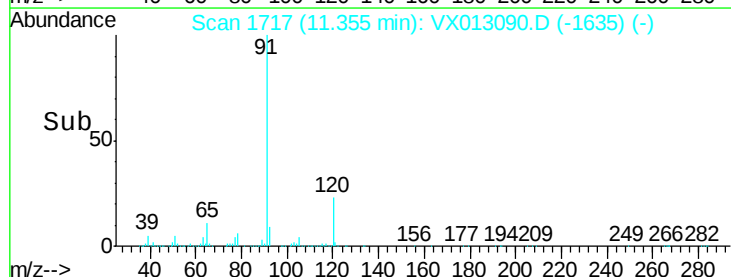
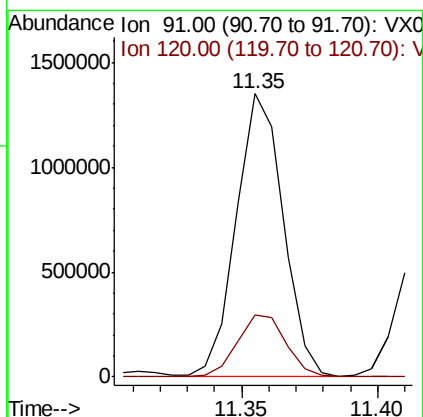
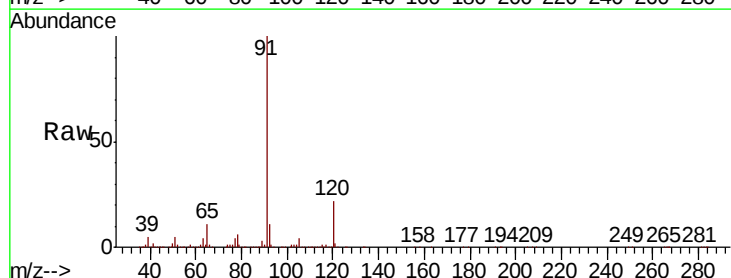
Acq: 16 Oct 2019 12:07

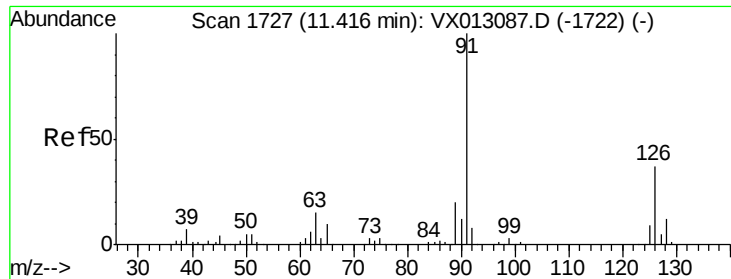
Tgt Ion: 91 Resp: 1618169

Ion Ratio Lower Upper

91 100

120 22.8 0.0 45.0





#75

2-Chlorotoluene

Concen: 153.119 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 959865

Ion Ratio Lower Upper

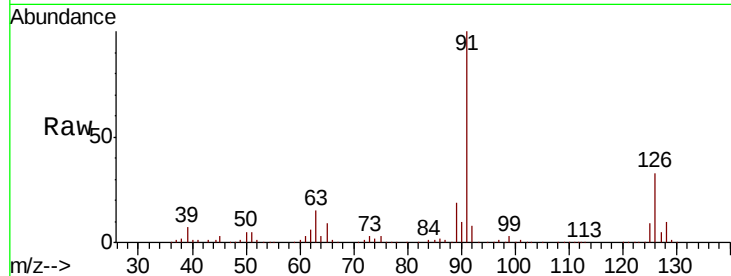
91 100

126 33.3 0.0 66.0

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX013087.D (-1722) (-)

Ion 126.00 (125.70 to 126.70): VX013087.D (-1722) (-)

1500000

1000000

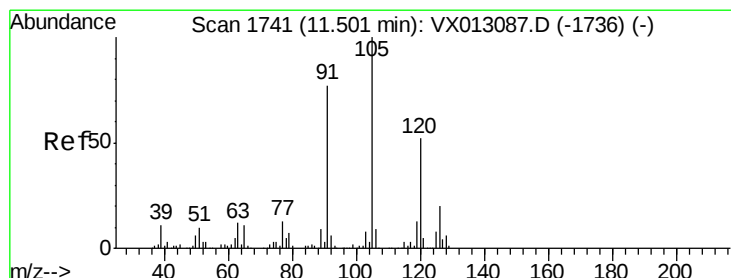
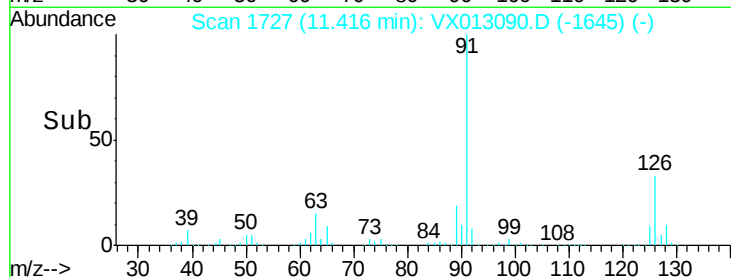
500000

0

11.42

11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 154.185 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013090.D

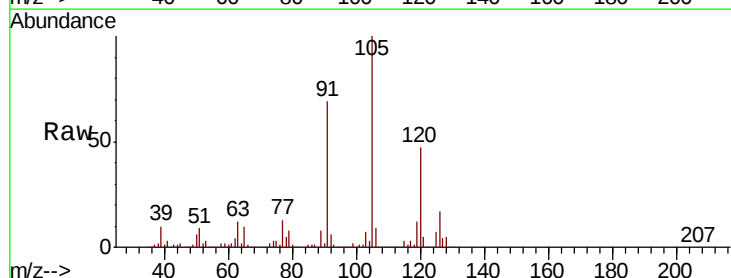
Acq: 16 Oct 2019 12:07

Tgt Ion: 105 Resp: 1216389

Ion Ratio Lower Upper

105 100

120 47.8 0.0 96.6



Abundance Ion 105.00 (104.70 to 105.70): VX013087.D (-1736) (-)

Ion 120.00 (119.70 to 120.70): VX013087.D (-1736) (-)

1200000

1000000

800000

600000

400000

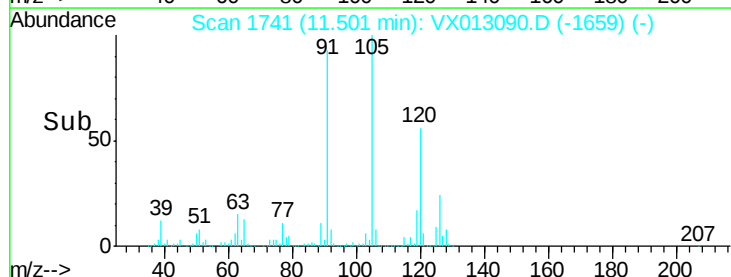
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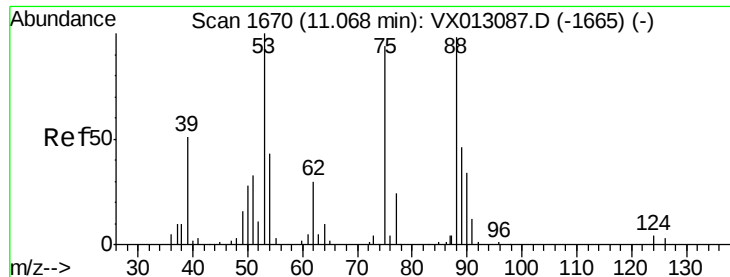
0

11.50

11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 191.826 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 165540

Ion Ratio Lower Upper

75 100

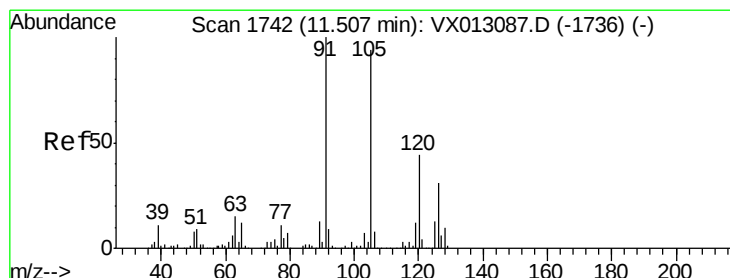
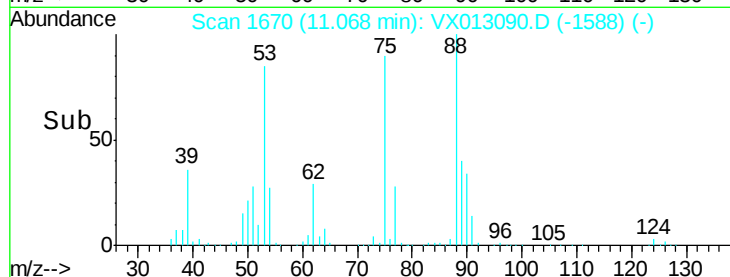
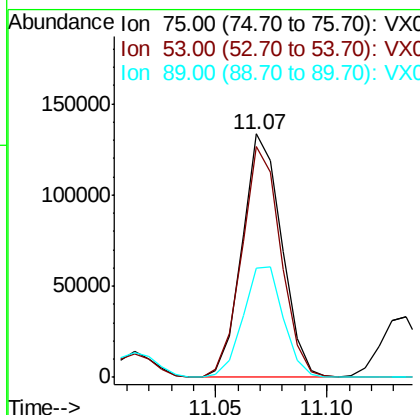
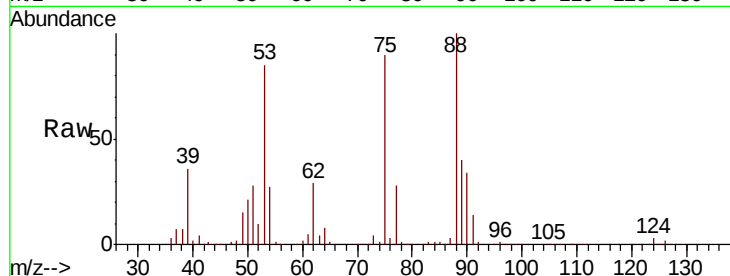
53 95.1 53.1 159.4

89 44.8 24.6 73.8

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#78

4-Chlorotoluene

Concen: 158.253 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013090.D

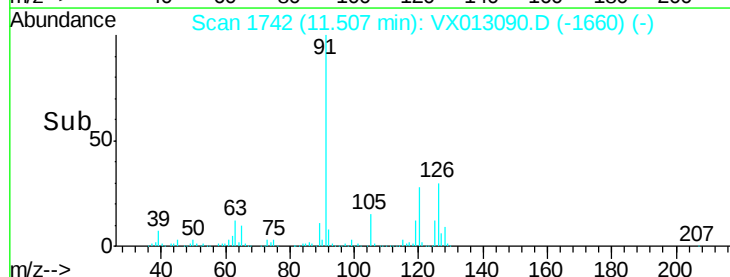
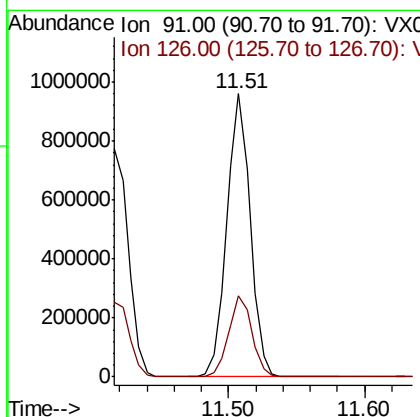
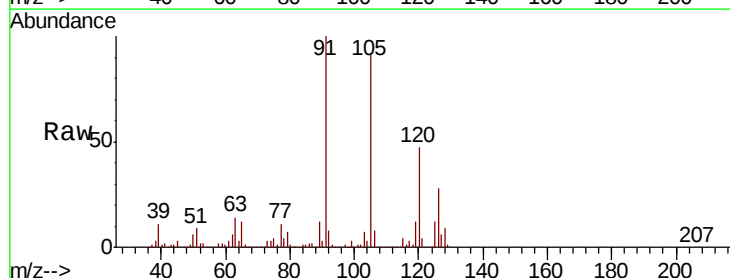
Acq: 16 Oct 2019 12:07

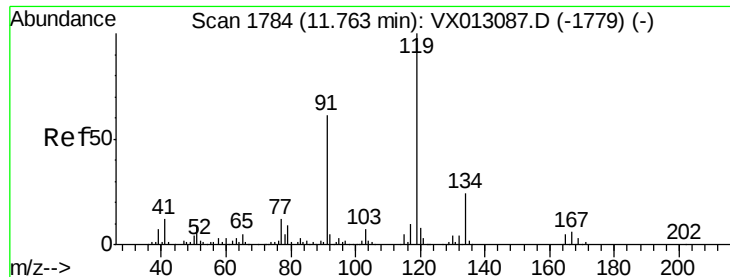
Tgt Ion: 91 Resp: 1143165

Ion Ratio Lower Upper

91 100

126 28.4 0.0 57.0





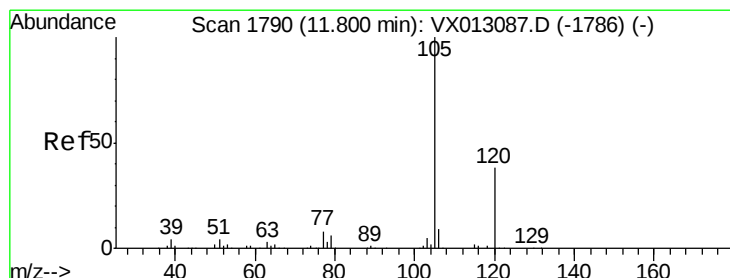
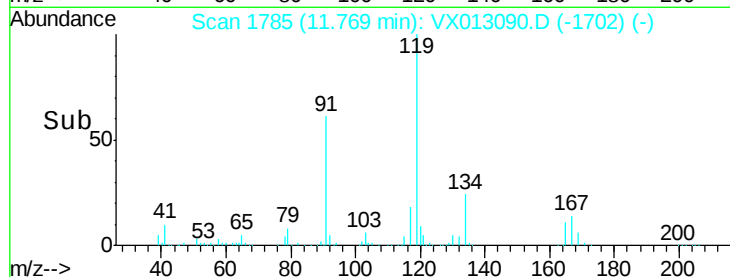
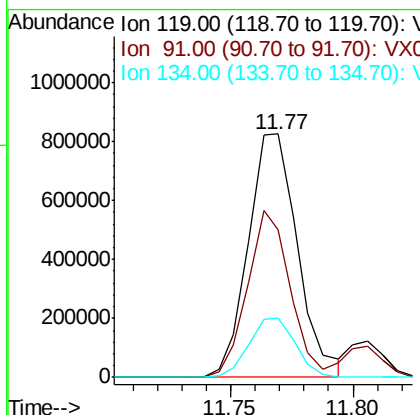
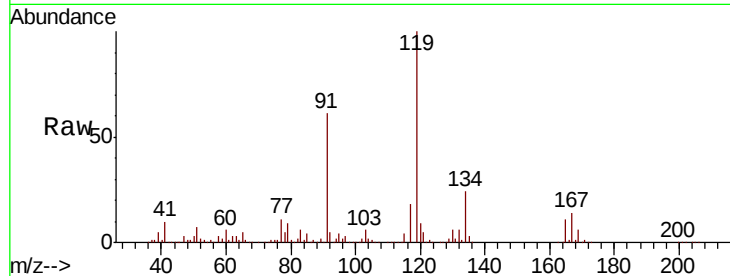
#79
tert-butylbenzene
Concen: 152.459 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.3	0.0	122.2
134	22.8	0.0	46.6

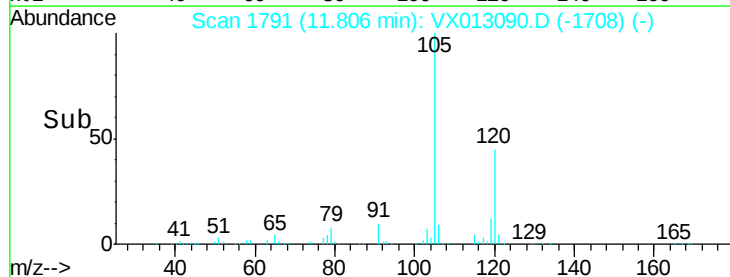
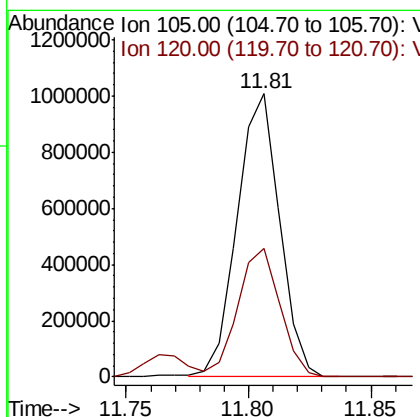
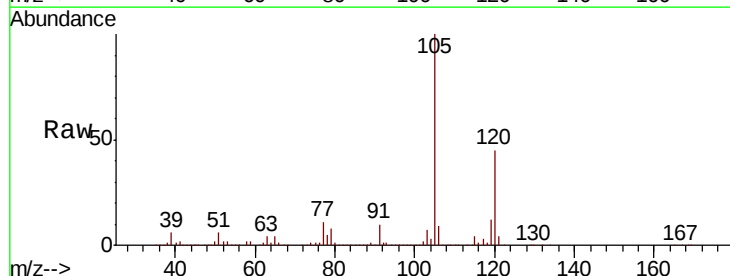
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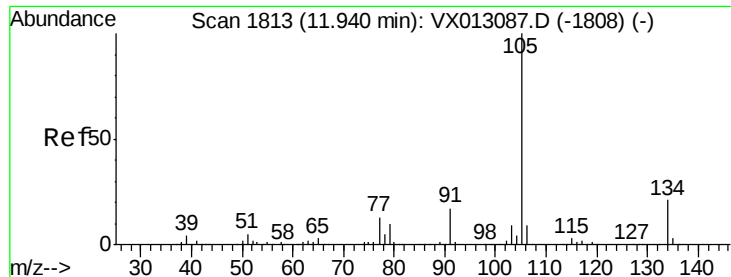
MMDadoda
10/18/2019 4:51:51 PM



#80
1,2,4-Trimethylbenzene
Concen: 152.418 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	0.0	85.8





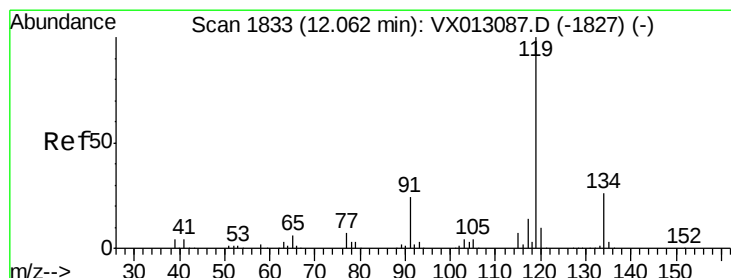
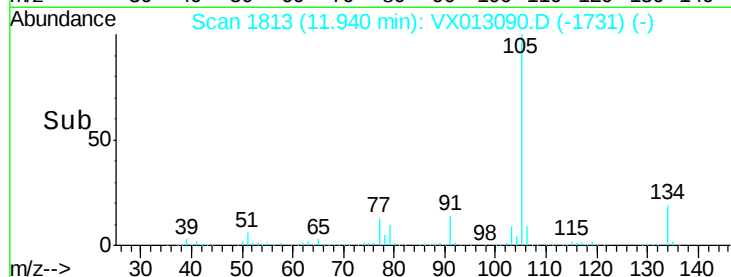
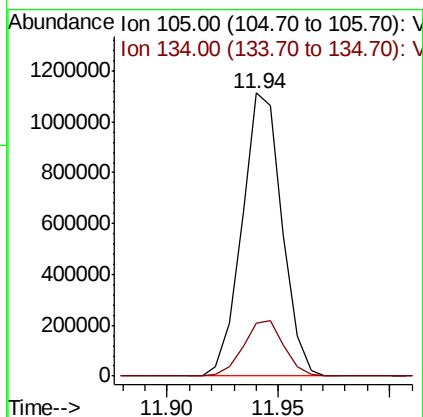
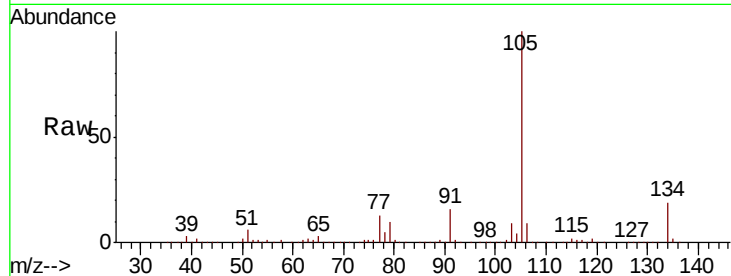
#81
 sec-Butylbenzene
 Concen: 154.836 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1392569
 Ion Ratio Lower Upper
 105 100
 134 19.8 0.0 39.6

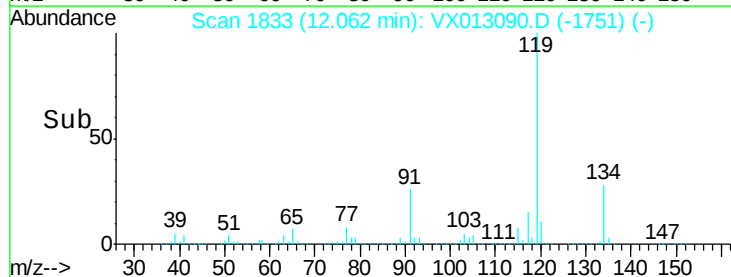
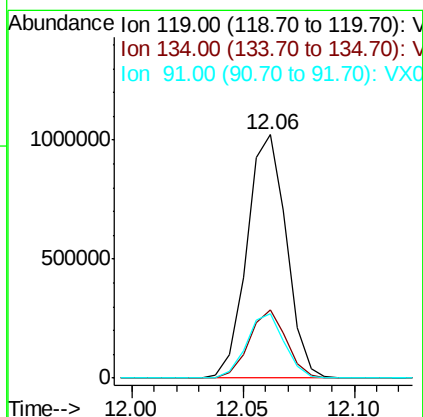
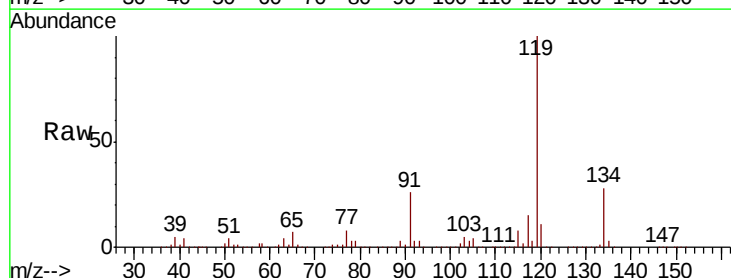
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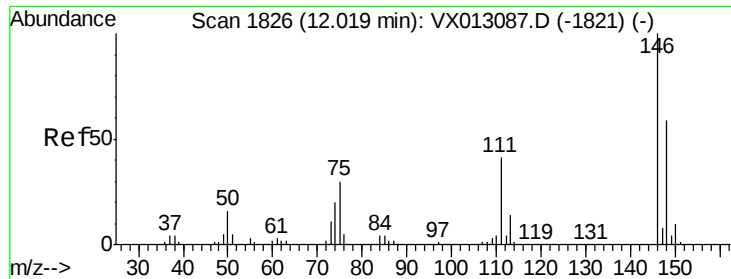
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#82
 p-Isopropyltoluene
 Concen: 151.420 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Tgt Ion:119 Resp: 1255571
 Ion Ratio Lower Upper
 119 100
 134 26.2 0.0 52.0
 91 25.4 0.0 50.4





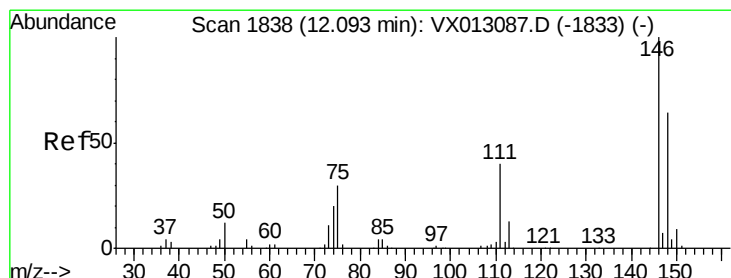
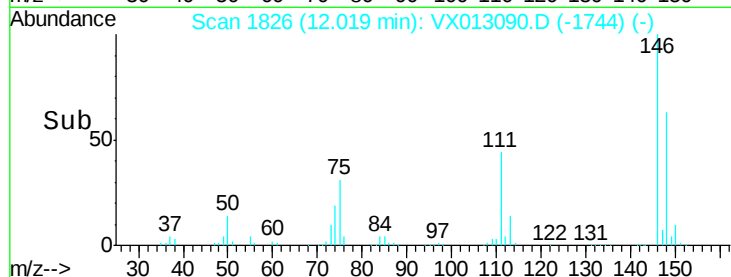
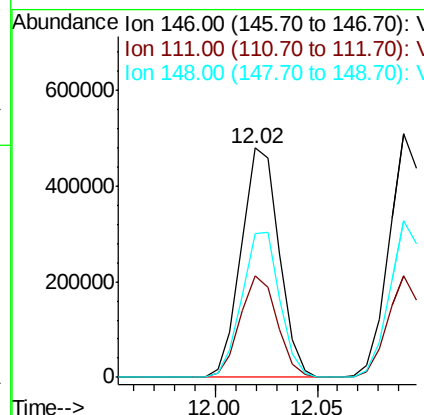
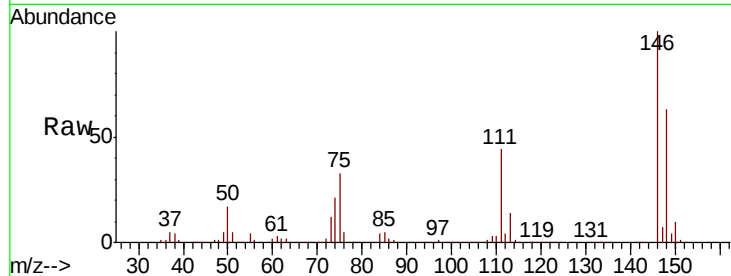
#83
 1,3-Dichlorobenzene
 Concen: 141.455 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	63.9
148	63.3	30.4	91.2

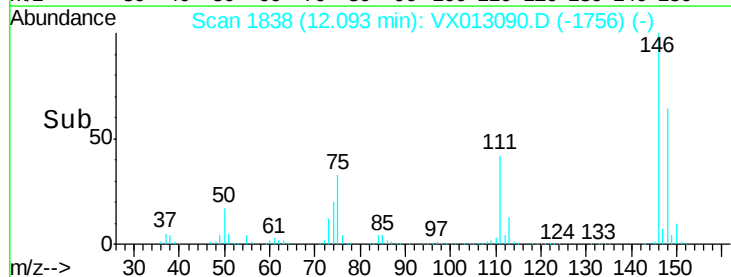
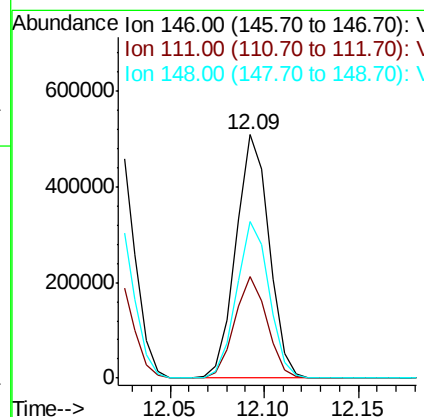
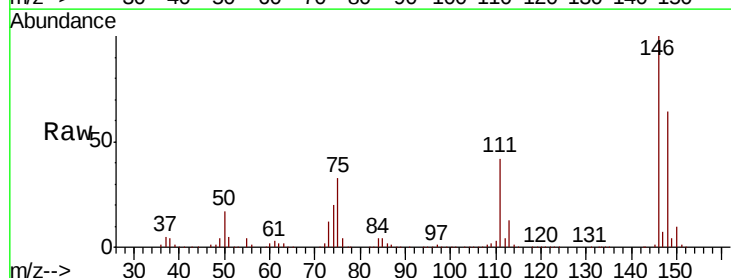
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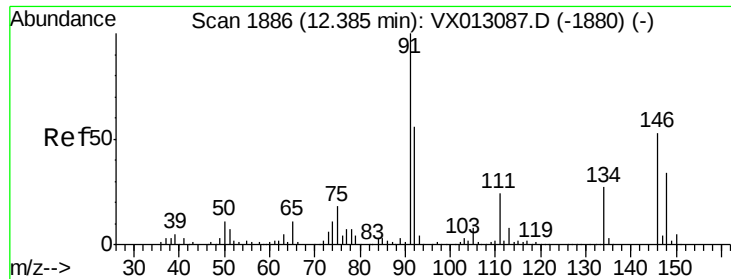
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#84
 1,4-Dichlorobenzene
 Concen: 143.537 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.0	59.9
148	63.2	31.9	95.7





#85

n-Butylbenzene

Concen: 159.407 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013090.D

Acq: 16 Oct 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1128734

Ion Ratio Lower Upper

91 100

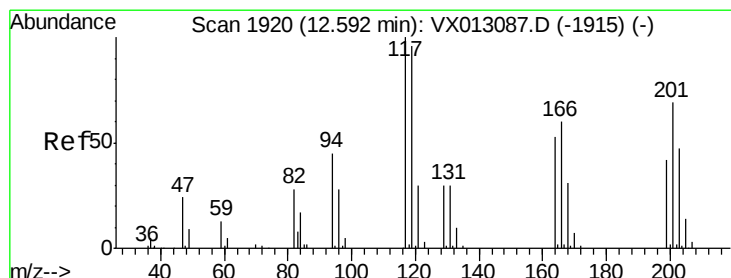
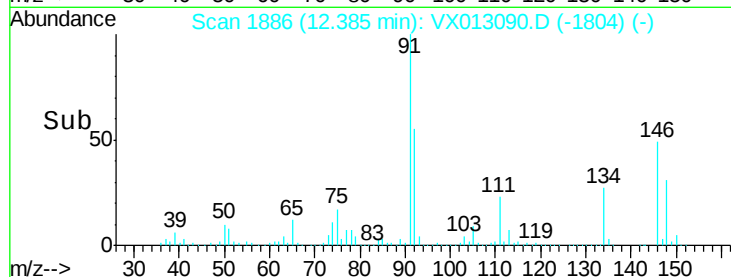
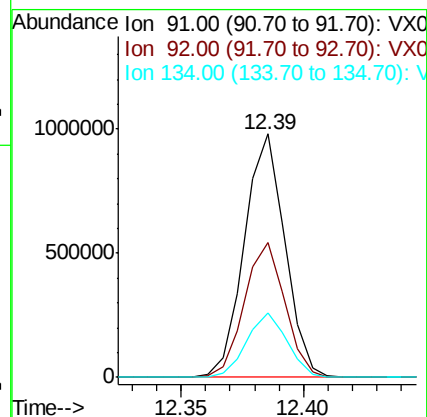
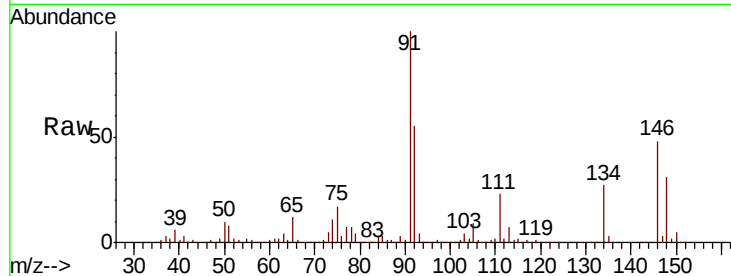
92 55.4 0.0 109.4

134 26.3 0.0 51.6

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#86

Hexachloroethane

Concen: 172.320 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX013090.D

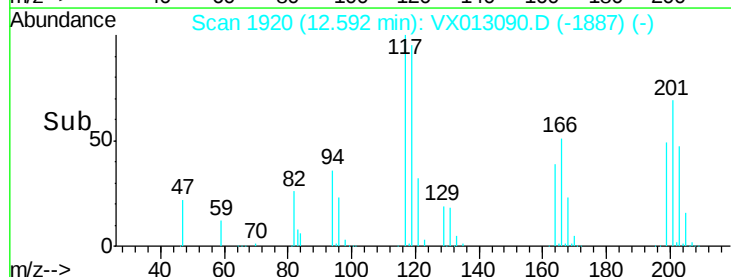
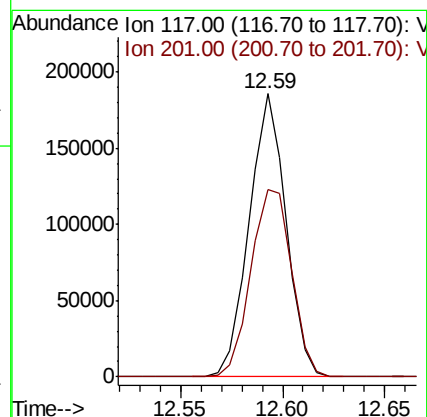
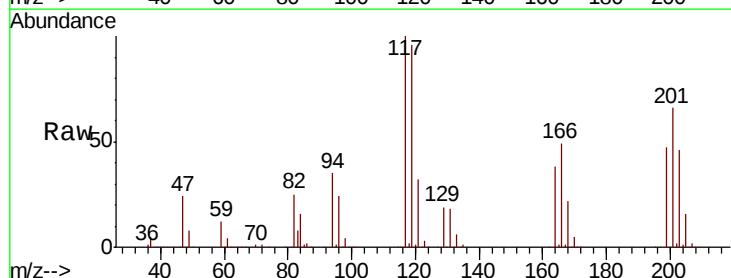
Acq: 16 Oct 2019 12:07

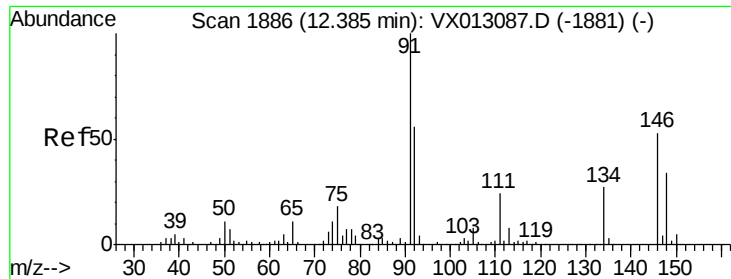
Tgt Ion: 117 Resp: 233064

Ion Ratio Lower Upper

117 100

201 73.5 34.2 102.5





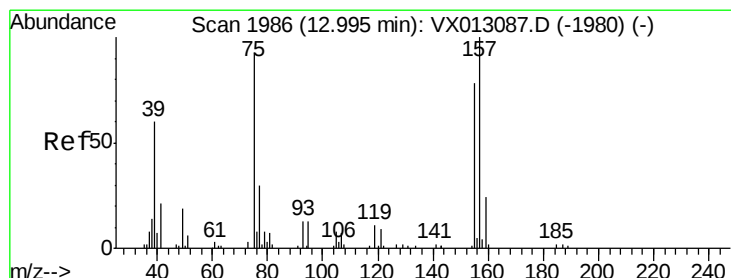
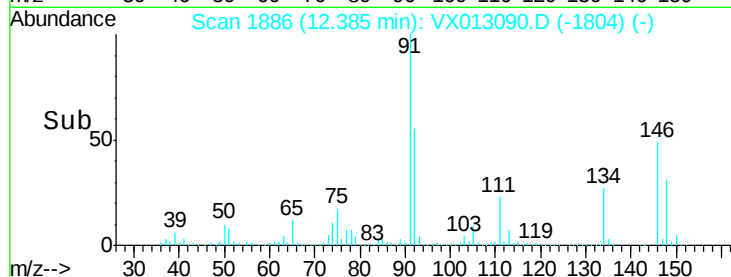
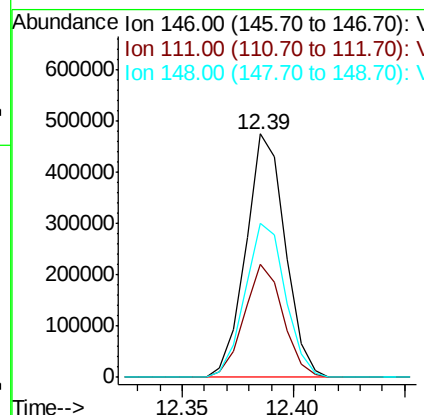
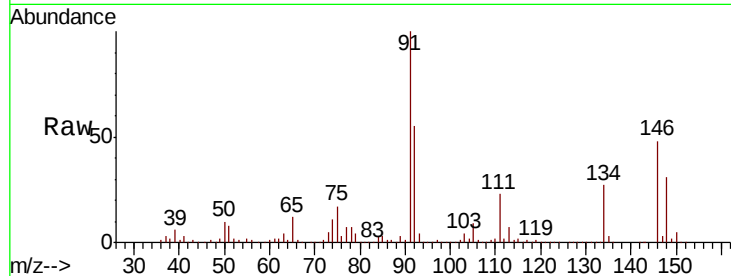
#87
 1,2-Dichlorobenzene
 Concen: 138.680 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.3	66.9
148	65.0	32.7	98.1

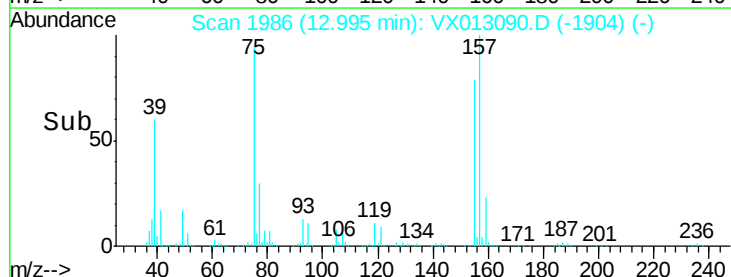
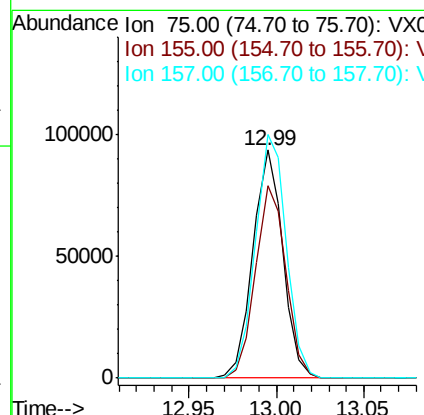
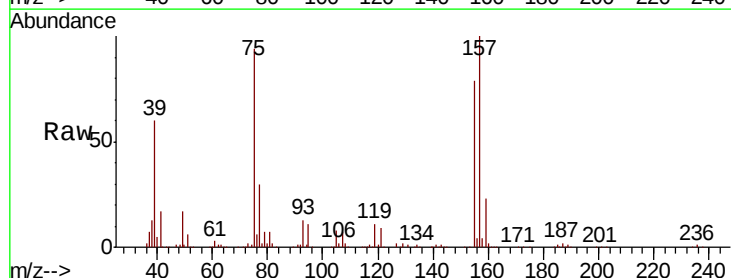
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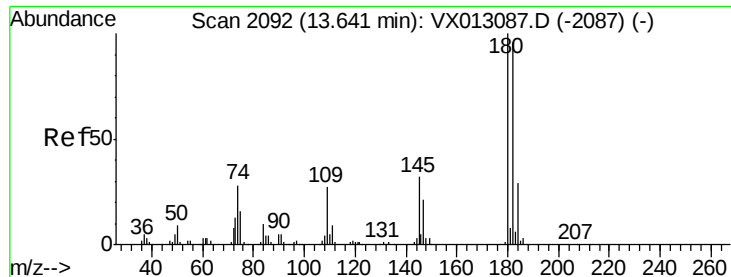
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 167.749 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013090.D
 Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	68.4	102.6
157	110.5	85.6	128.4





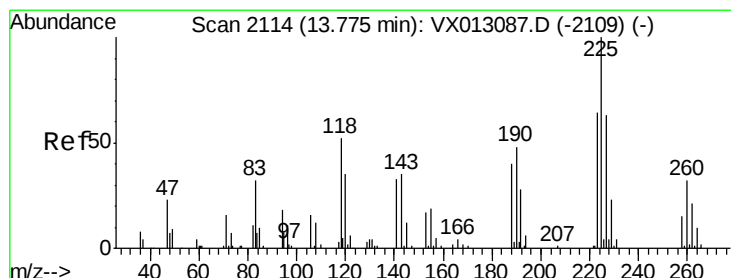
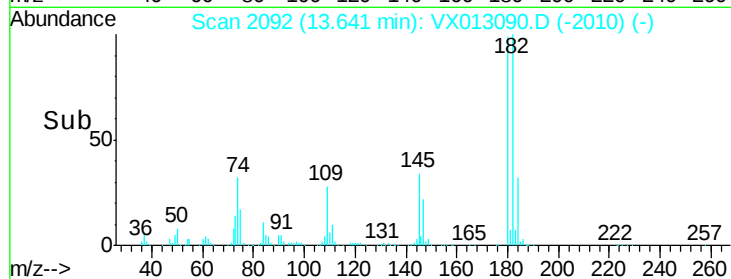
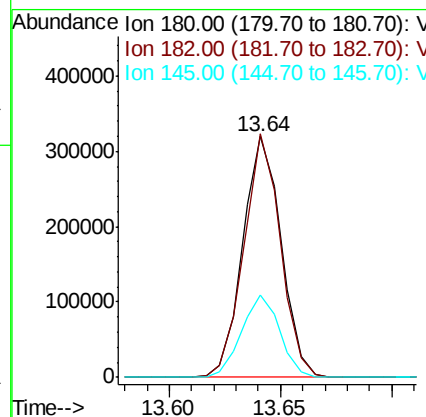
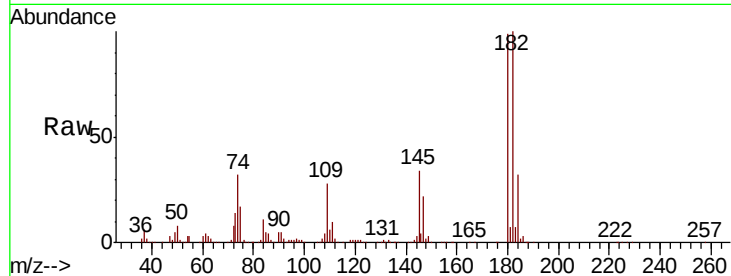
#89
1,2,4-Trichlorobenzene
Concen: 132.591 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	383678		
182	96.4	74.8	112.2	
145	33.9	26.2	39.2	

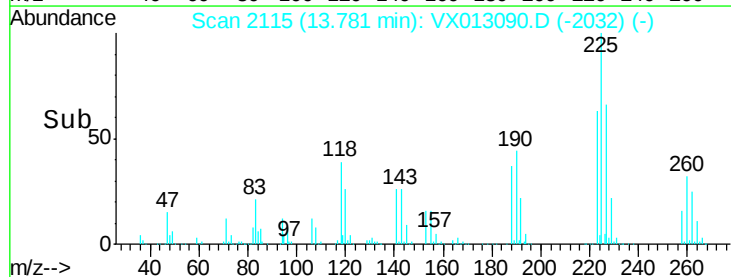
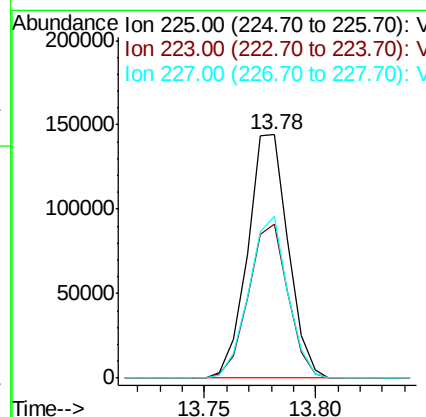
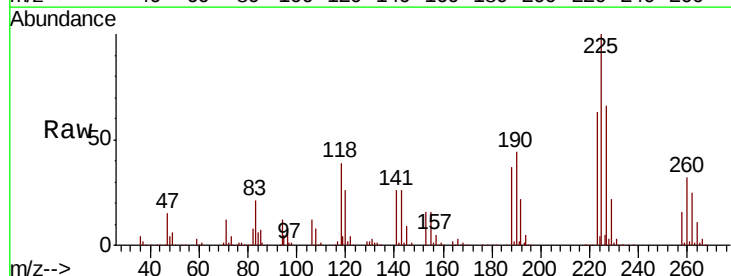
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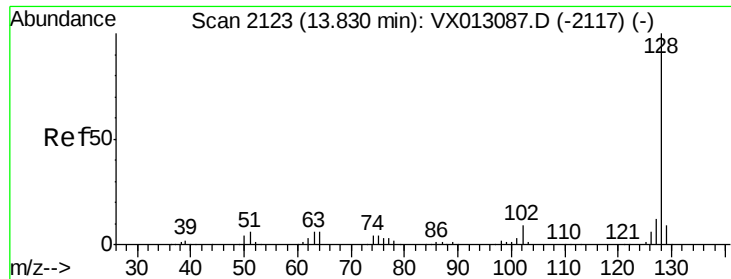
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#90
Hexachlorobutadiene
Concen: 132.667 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. 0.01 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	183459		
223	61.8	0.0	132.2	
227	63.6	0.0	124.2	





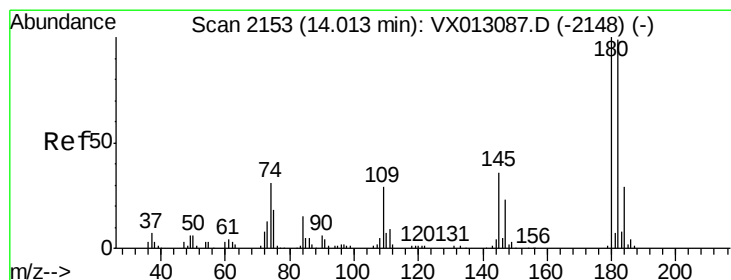
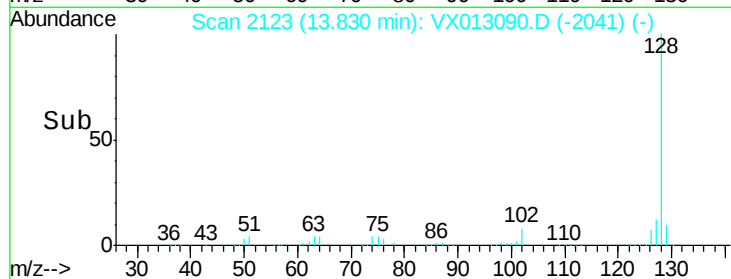
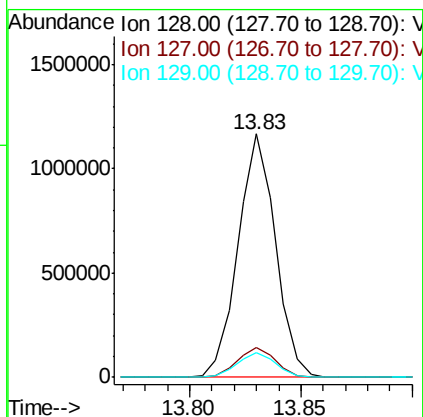
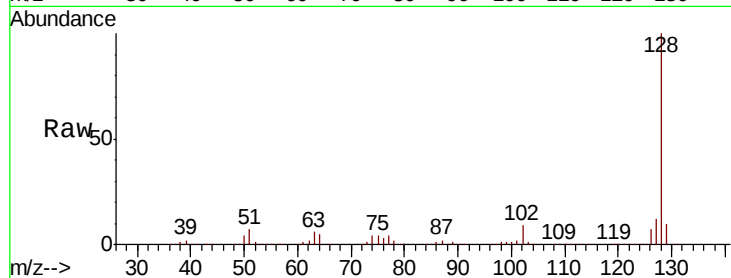
#91
Naphthalene
Concen: 152.393 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.0	15.0
129	10.4	8.0	12.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 131.897 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013090.D
Acq: 16 Oct 2019 12:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	0.0	195.2
145	35.4	0.0	69.8

