

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050719\
 Data File : VX009374.D
 Acq On : 07 May 2019 13:11
 Operator : JC/SP
 Sample : VX0507WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:10:36 AM

Quant Time: May 08 02:24:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	31161	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	174629	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	155007	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	74149	28.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.60%
60) 4-Bromofluorobenzene	11.13	95	76553	29.06	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.87%
63) Toluene-d8	8.71	98	220143	29.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	30111	18.185	ug/l 100
3) Chloromethane	1.32	50	41510	18.651	ug/l 99
4) Vinyl Chloride	1.40	62	41004	18.468	ug/l 99
5) Bromomethane	1.64	94	24203	17.197	ug/l 99
6) Chloroethane	1.72	64	27941	19.189	ug/l 100
7) Trichlorofluoromethane	1.93	101	53521	19.521	ug/l 97
8) Diethyl Ether	2.19	74	24703	19.404	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	32835	19.344	ug/l 99
10) 1,1-Dichloroethene	2.37	96	32703	19.187	ug/l 95
11) Methyl Iodide	2.51	142	31259	16.871	ug/l 100
12) Methyl Acetate	2.78	43	63340	19.730	ug/l 99
13) Acrolein	2.29	56	35193	79.927	ug/l 100
14) Acrylonitrile	3.14	53	140140	100.587	ug/l 99
15) Acetone	2.44	58	38832	97.077	ug/l 97
16) Carbon Disulfide	2.57	76	82167	17.818	ug/l 99
17) Allyl chloride	2.73	41	76770	18.762	ug/l 99
18) Methylene Chloride	2.85	84	41232	20.017	ug/l 96
19) trans-1,2-Dichloroethene	3.17	96	35175	19.356	ug/l 97
20) Diisopropyl ether	3.85	45	160794	19.955	ug/l 96
21) 1,1-Dichloroethane	3.70	63	76293	19.564	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	42711	19.512	ug/l 99
23) tert-Butyl Alcohol	3.04	59	56514	95.930	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	131613	19.732	ug/l 100
25) Chloroform	5.21	83	71394	20.062	ug/l 99
26) Cyclohexane	5.58	56	68981	18.980	ug/l # 99
29) 1,1-Dichloropropene	5.80	75	50841	19.841	ug/l 99
30) 2-Butanone	4.67	43	208382	103.842	ug/l 99
31) 2,2-Dichloropropane	4.58	77	55006	19.472	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	57573	20.726	ug/l 97
33) Carbon Tetrachloride	5.79	117	47145	20.285	ug/l 97
34) Benzene	6.14	78	163145	20.652	ug/l 97
35) Methacrylonitrile	5.04	41	44177	21.042	ug/l 97
36) 1,2-Dichloroethane	6.20	62	60273	21.027	ug/l 99
37) Trichloroethene	7.21	130	38515	20.253	ug/l 90
38) Methylcyclohexane	7.46	83	61855	19.539	ug/l 100
39) 1,2-Dichloropropane	7.51	63	47264	21.010	ug/l 94
40) Dibromomethane	7.66	93	26771	20.967	ug/l 98

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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	54254	20.802	ug/l	94
42) Vinyl Acetate	3.81	43	693301	104.679	ug/l	100
43) Ethyl Acetate	4.83	43	76566	21.115	ug/l	97
44) Isopropyl Acetate	6.45	43	121009	20.600	ug/l	99
45) 1,4-Dioxane	7.74	88	23335	404.607	ug/l	96
46) Methyl methacrylate	7.77	41	60958	20.791	ug/l	98
47) n-amyl Acetate	10.90	43	107025	20.225	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	60072	19.741	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	66689	19.963	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	41219	21.071	ug/l	97
51) Ethyl methacrylate	9.18	69	73020	20.199	ug/l	98
52) 1,3-Dichloropropane	9.37	76	73565	21.190	ug/l	99
53) Dibromochloromethane	9.58	129	40169	20.619	ug/l	100
54) 1,2-Dibromoethane	9.67	107	41568	20.719	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	179166	93.011	ug/l	99
56) Bromoform	10.85	173	29626	19.810	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	404910	106.235	ug/l	99
59) 2-Hexanone	9.49	43	311463	104.186	ug/l	99
61) Tetrachloroethene	9.34	164	34567	20.229	ug/l	96
62) Toluene	8.78	91	171311	20.683	ug/l	99
64) Chlorobenzene	10.14	112	103127	20.688	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	37930	20.781	ug/l	99
66) Ethyl Benzene	10.25	91	186661	20.229	ug/l	98
67) m/p-Xylenes	10.36	106	138143	41.005	ug/l	99
68) o-Xylene	10.70	106	67487	20.373	ug/l	99
69) Styrene	10.71	104	119578	20.563	ug/l	100
70) Isopropylbenzene	11.02	105	182249	20.457	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	68704	21.057	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	59530m	21.173	ug/l	
73) Bromobenzene	11.26	156	45096	20.487	ug/l	100
74) n-propylbenzene	11.36	91	208109	20.158	ug/l	100
75) 2-Chlorotoluene	11.42	91	127011	20.511	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	153182	20.298	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	22017	19.413	ug/l	99
78) 4-Chlorotoluene	11.51	91	139962	19.901	ug/l	99
79) tert-butylbenzene	11.77	119	147346	20.197	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	152170	20.119	ug/l	99
81) sec-Butylbenzene	11.94	105	174425	20.124	ug/l	100
82) p-Isopropyltoluene	12.06	119	158324	20.081	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	78661	20.011	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	77804	19.866	ug/l	99
85) n-Butylbenzene	12.38	91	140459	19.469	ug/l	100
86) Hexachloroethane	12.59	117	26923	20.067	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	81143	20.506	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	15778	20.810	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	55656	19.734	ug/l	99
90) Hexachlorobutadiene	13.78	225	28603	20.303	ug/l	98
91) Naphthalene	13.83	128	192955	20.896	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	59600	20.788	ug/l	99

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Instrument :
MSVOA_X
ClientSampleId :
VX0507WBSD01

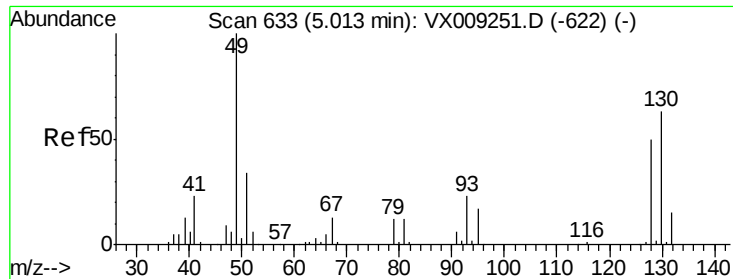
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

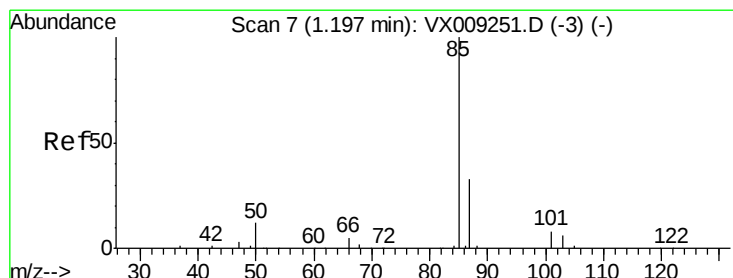
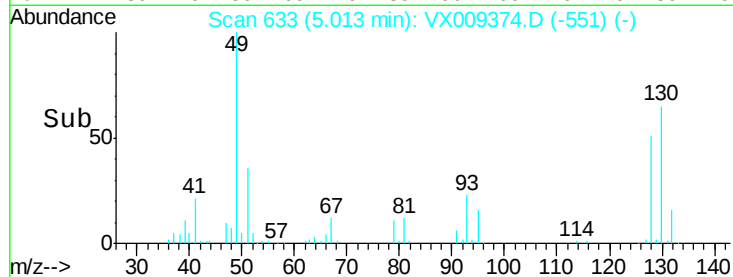
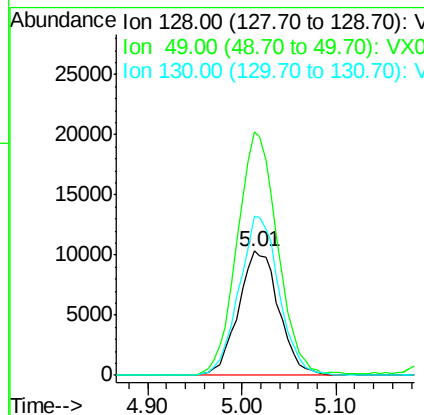
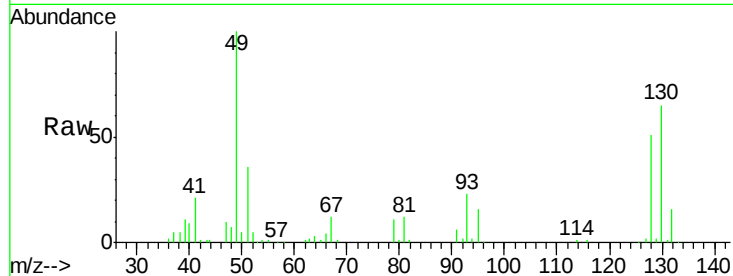
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Instrument :
 MSVOA_X
 ClientSampled :
 VX0507WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	193.9	0.0	515.0
130	125.9	0.0	323.3

Manual Integrations
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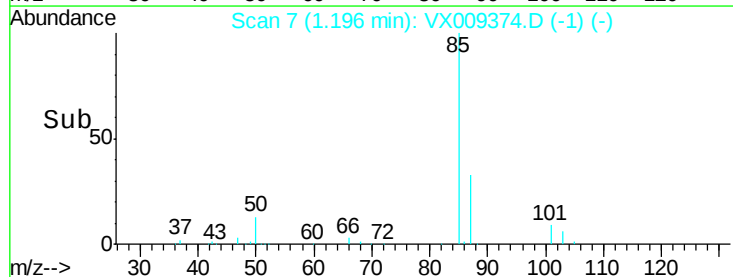
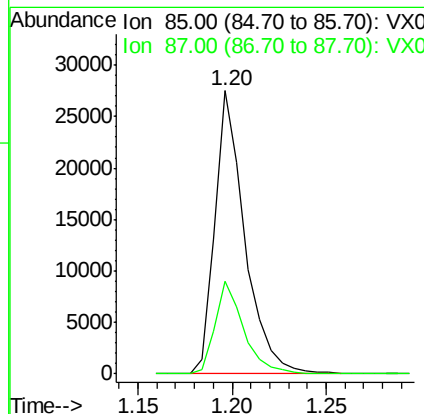
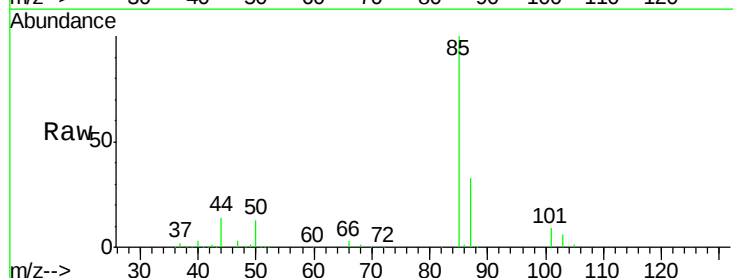
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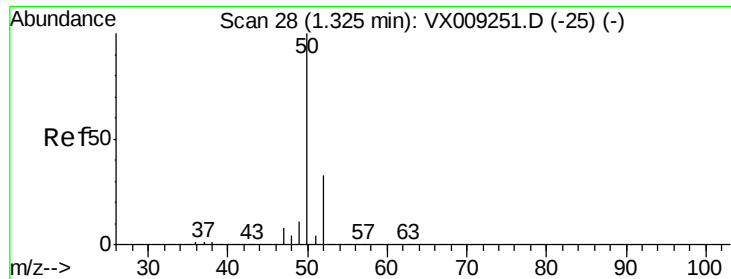


#2

Dichlorodifluoromethane
 Concen: 18.185 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.3	48.9





#3

Chloromethane

Concen: 18.651 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBSD01

Tot Ion: 50 Resp: 41510

Ion Ratio Lower Upper

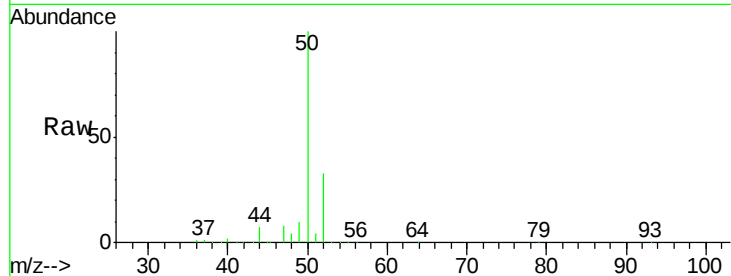
50 100

52 33.2 26.3 39.5

Manual Integrations
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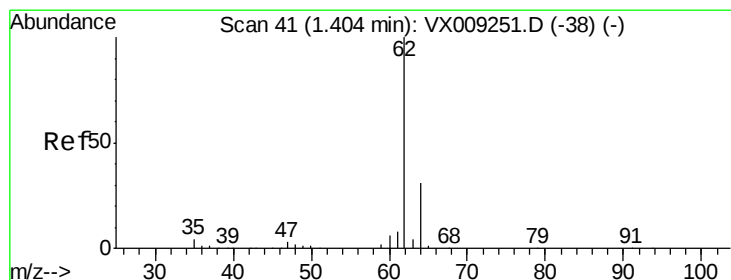
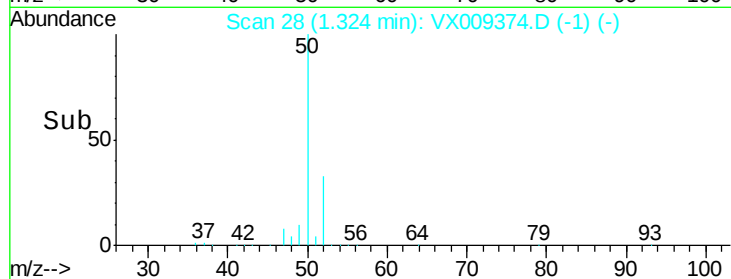
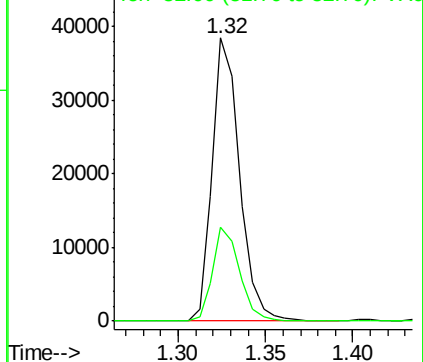
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 18.468 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX009374.D

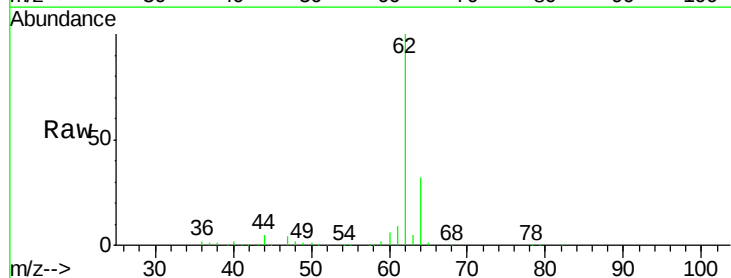
Acq: 07 May 2019 13:11

Tgt Ion: 62 Resp: 41004

Ion Ratio Lower Upper

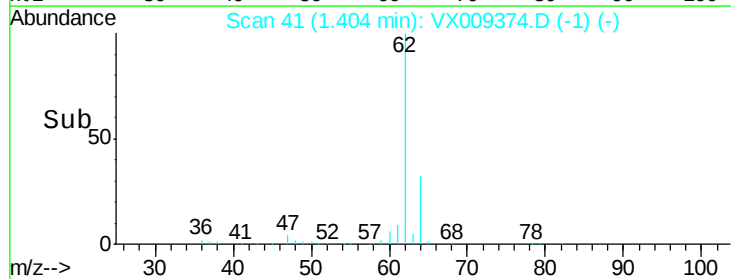
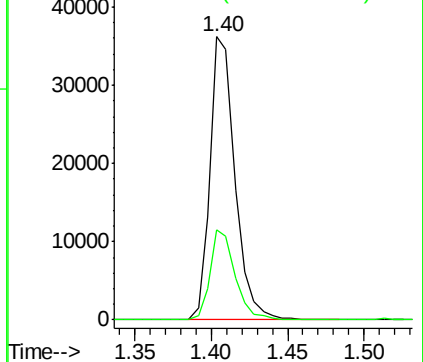
62 100

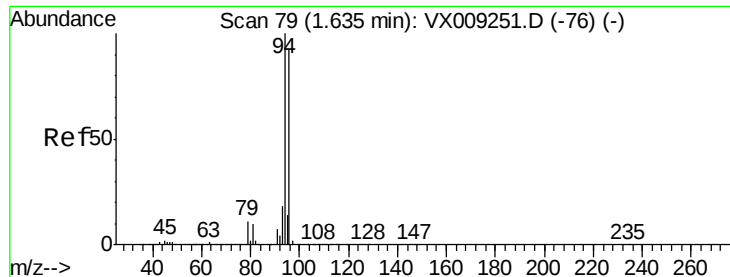
64 31.3 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 17.197 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBSD01

Tot Ion: 94 Resp: 24203

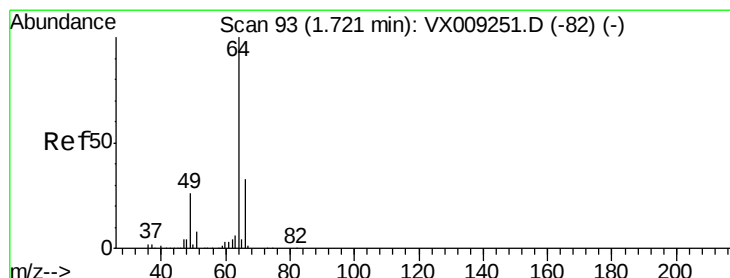
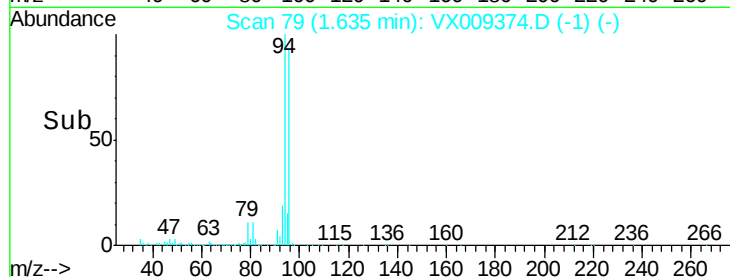
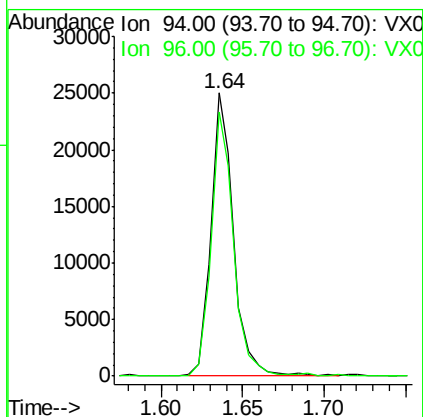
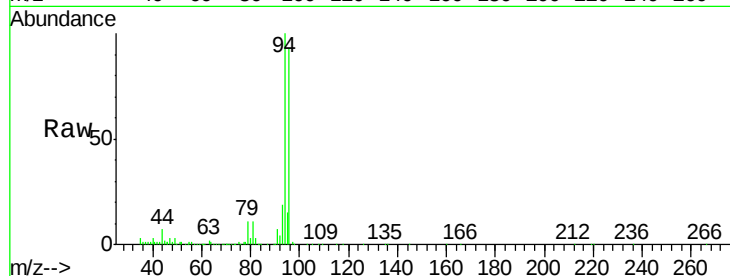
Ion Ratio Lower Upper

94 100

96 92.9 73.5 110.3

Manual Integrations
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#6

Chloroethane

Concen: 19.189 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009374.D

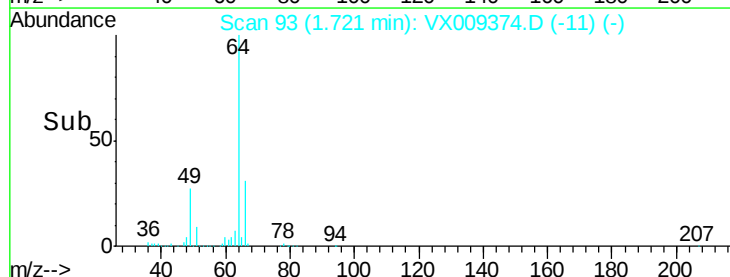
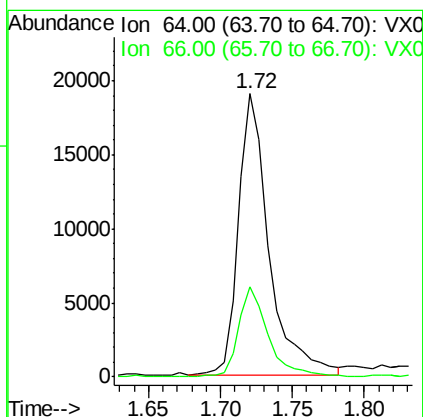
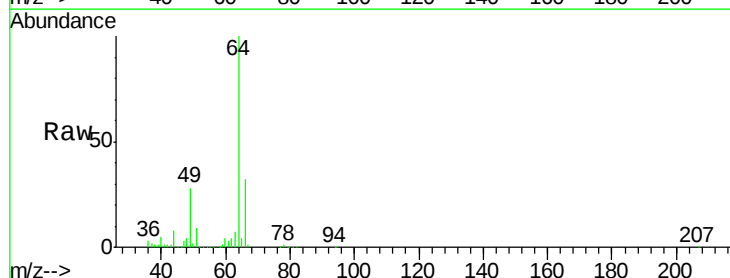
Acq: 07 May 2019 13:11

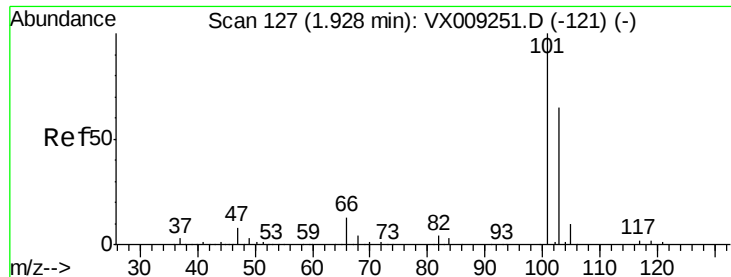
Tgt Ion: 64 Resp: 27941

Ion Ratio Lower Upper

64 100

66 32.3 25.9 38.9





#7

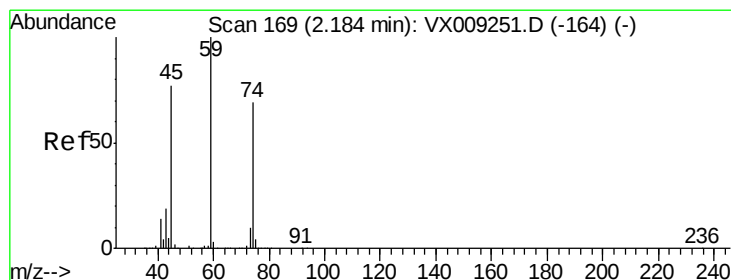
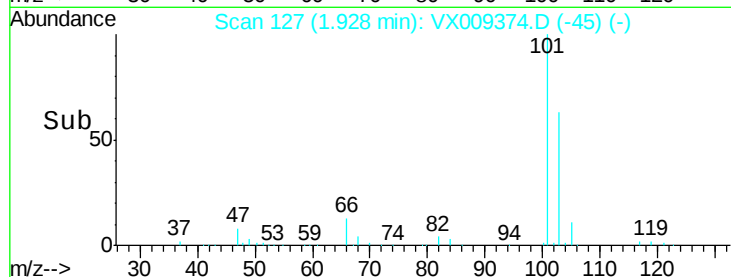
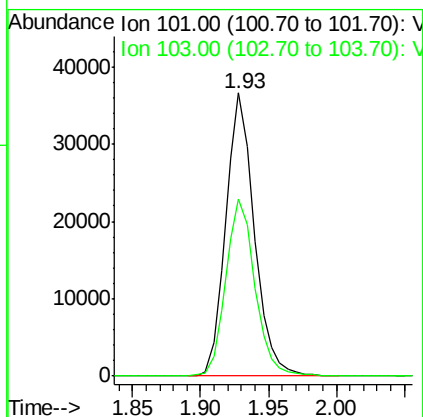
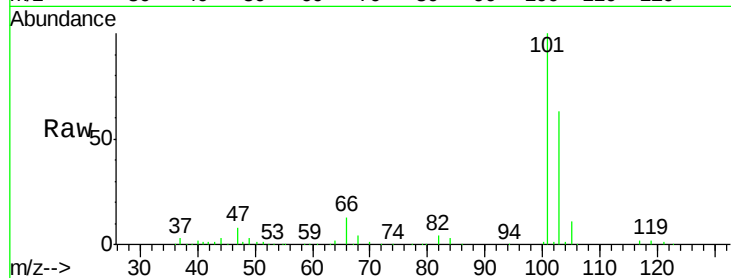
Trichlorofluoromethane
Concen: 19.521 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.9	77.9

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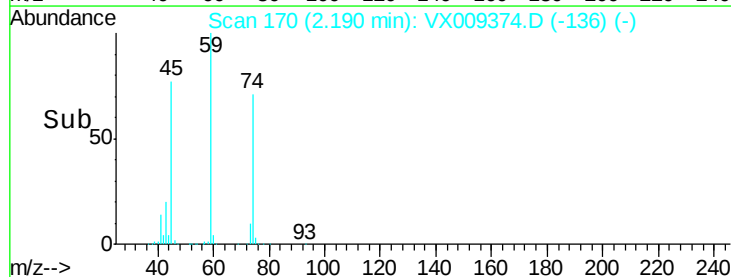
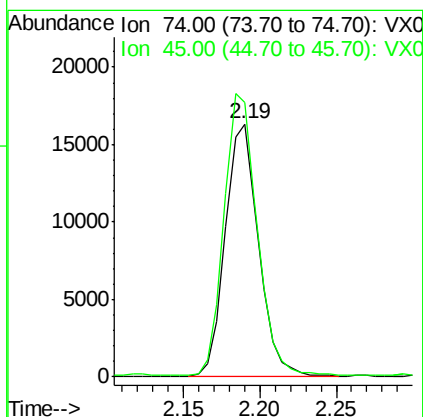
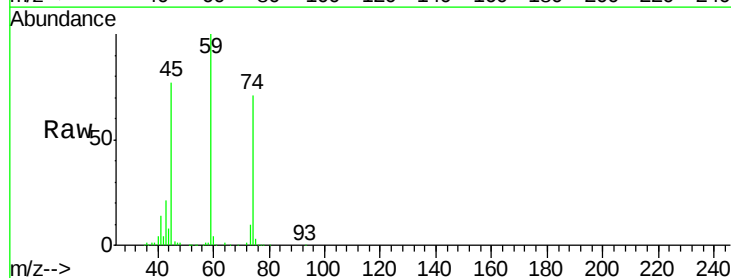
MMDadoda
5/8/2019 10:10:36 AM

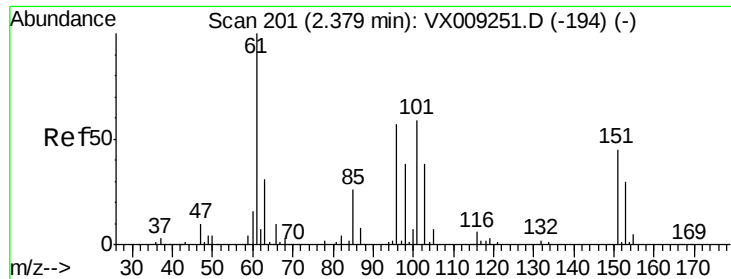


#8

Diethyl Ether
Concen: 19.404 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.1	21.5	193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.344 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

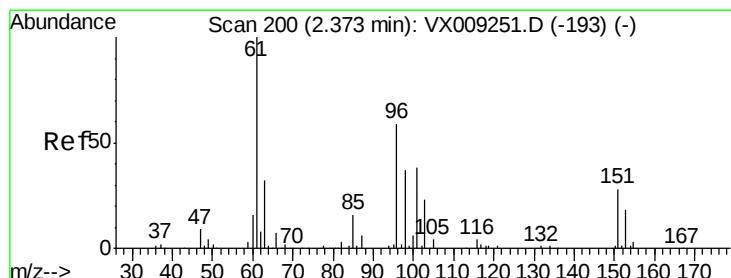
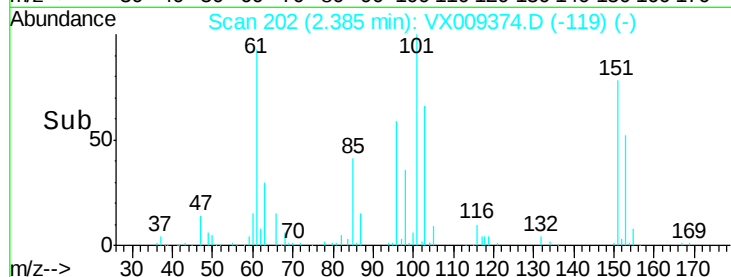
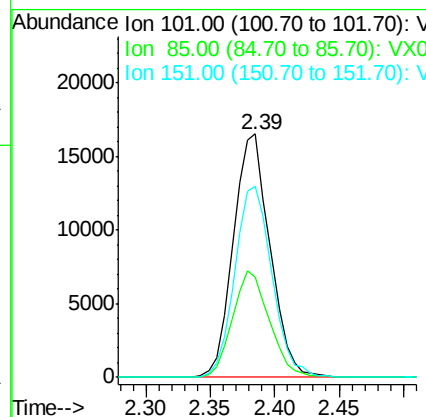
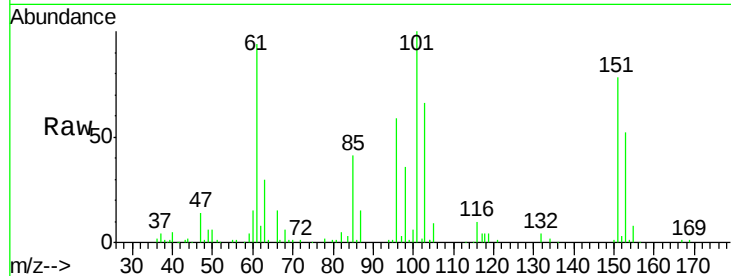
ClientSampleId :

VX0507WBSD01

Tot Ion:	101	Resp:	32835
Ion Ratio	Lower	Upper	
101	100		
85	44.1	0.0	87.4
151	79.3	0.0	157.0

Manual Integrations
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5/8/2019 10:10:36 AM



#10

1,1-Dichloroethene

Concen: 19.187 ug/l

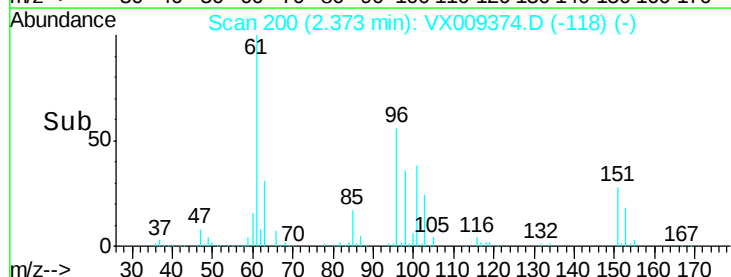
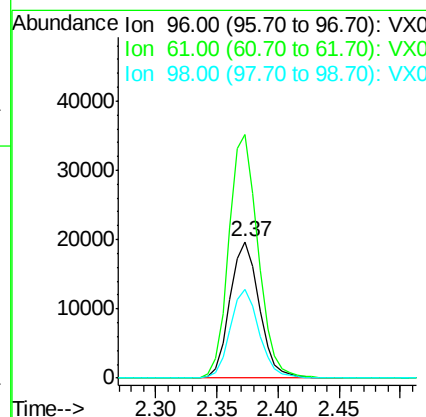
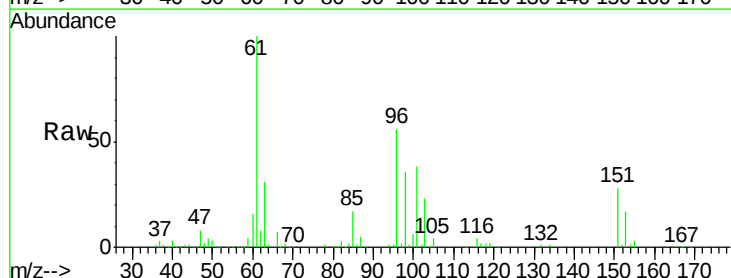
RT: 2.37 min Scan# 200

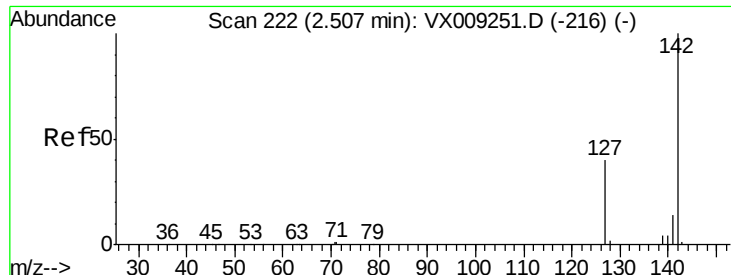
Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Tgt Ion:	96	Resp:	32703
Ion Ratio	Lower	Upper	
96	100		
61	178.8	136.5	204.7
98	65.0	51.0	76.4





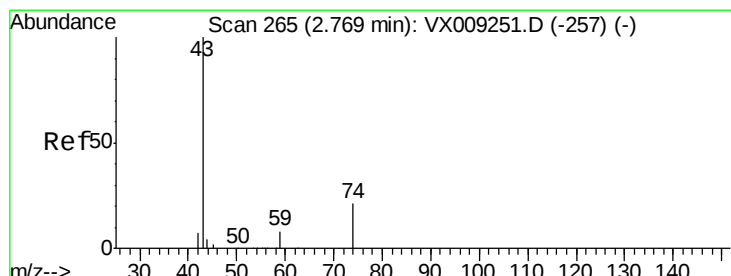
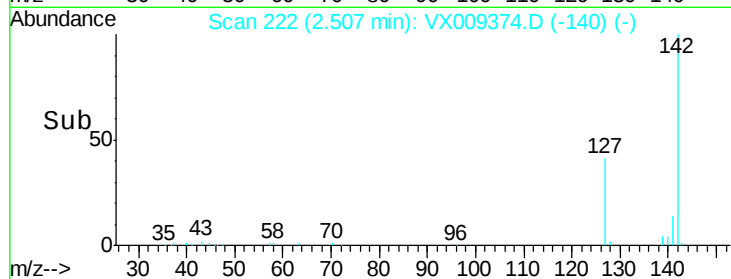
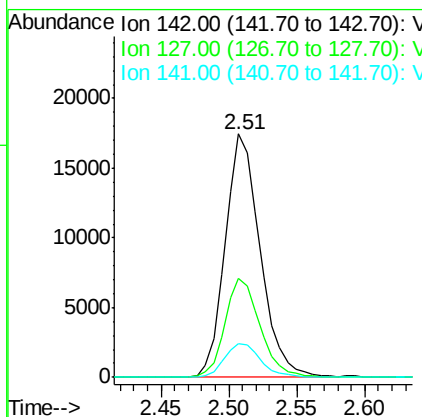
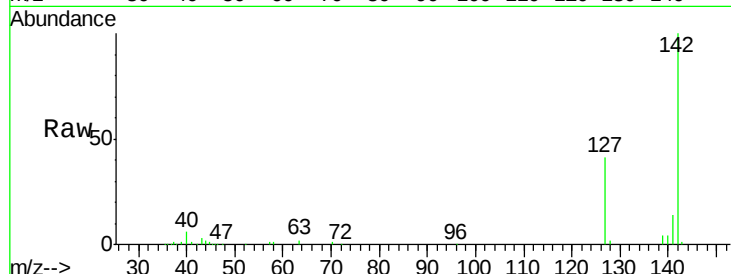
#11
Methvl Iodide
Concen: 16.871 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.5	20.2	60.5
141	14.0	6.9	20.7

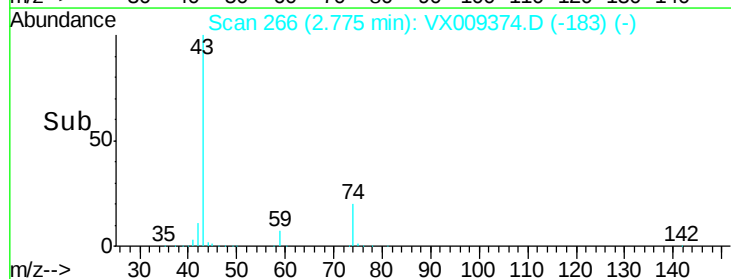
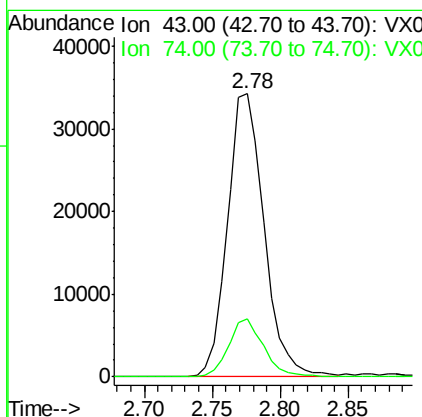
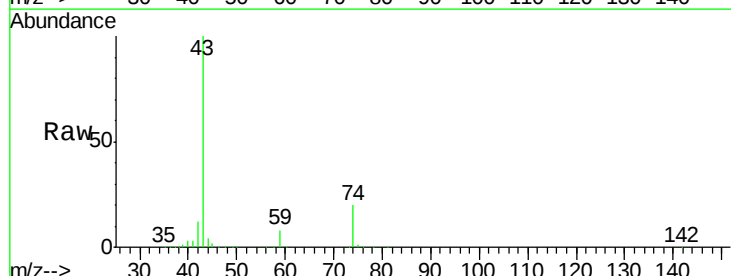
Manual Integrations
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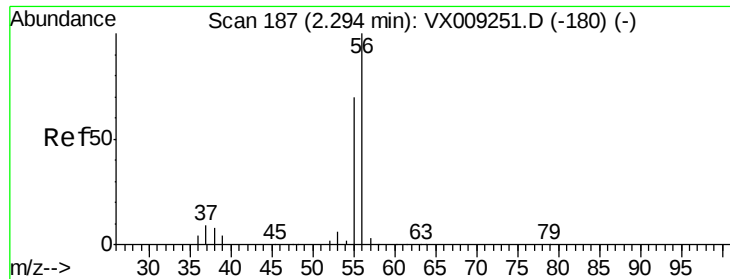
MMDadoda
5/8/2019 10:10:36 AM



#12
Methyl Acetate
Concen: 19.730 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	16.5	24.7





#13

Acrolein

Concen: 79.927 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

ClientSampled :

VX0507WBSD01

Tot Ion: 56 Resp: 35193

Ion Ratio Lower Upper

56 100

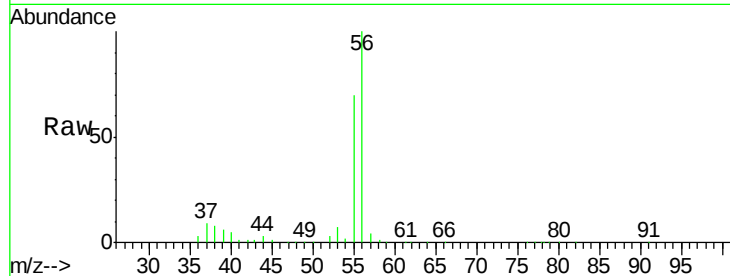
55 71.1 56.9 85.3

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

15000

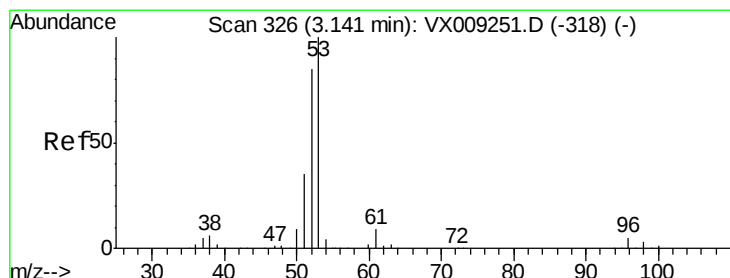
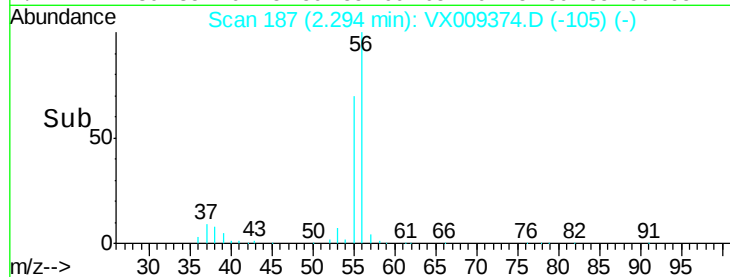
10000

5000

0

Time-->

2.20 2.25 2.30 2.35



#14

Acrylonitrile

Concen: 100.587 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

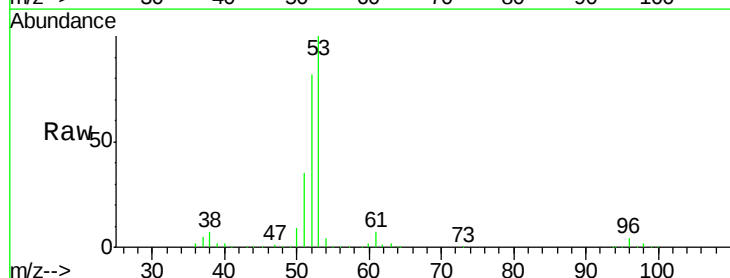
Tgt Ion: 53 Resp: 140140

Ion Ratio Lower Upper

53 100

52 84.4 41.5 124.5

51 35.7 17.8 53.3



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

80000

60000

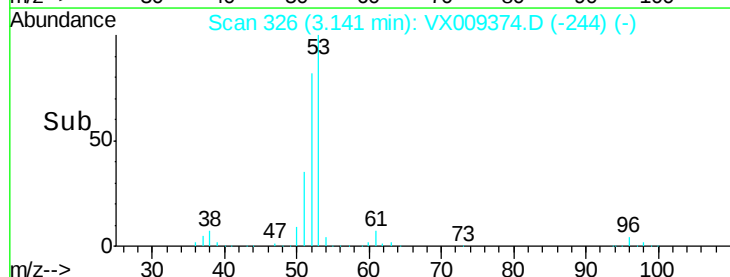
40000

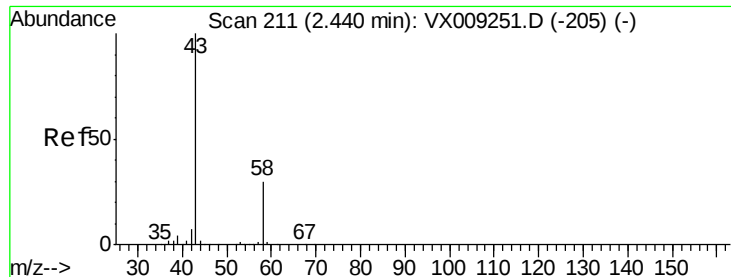
20000

0

Time-->

3.10 3.20 3.30





#15

Acetone

Concen: 97.077 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBSD01

Tot Ion: 58 Resp: 38832

Ion Ratio Lower Upper

58 100

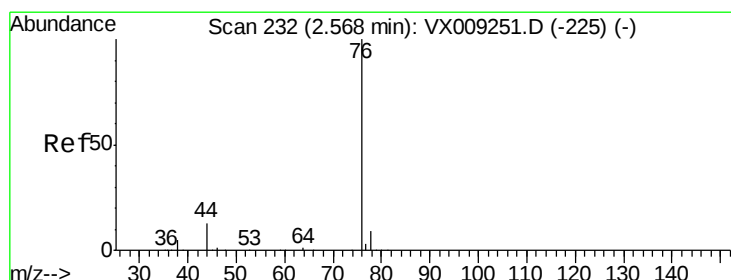
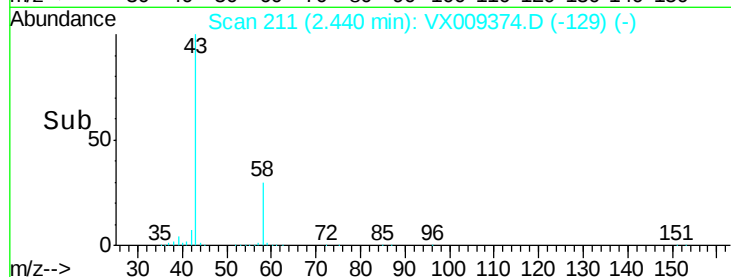
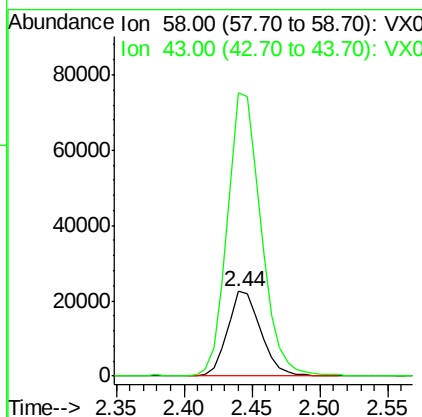
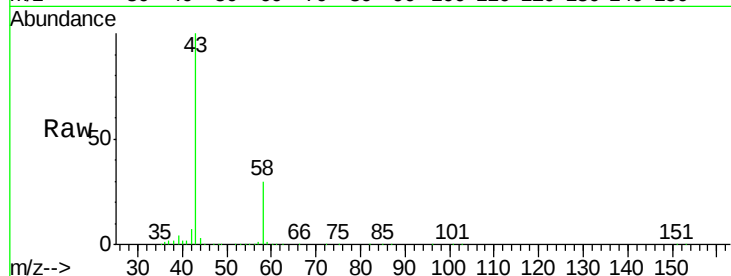
43 336.2 264.0 396.0

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#16

Carbon Disulfide

Concen: 17.818 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009374.D

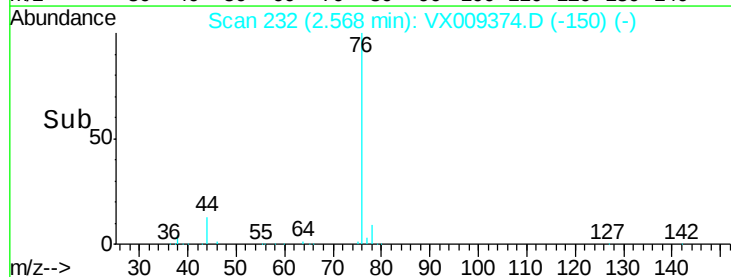
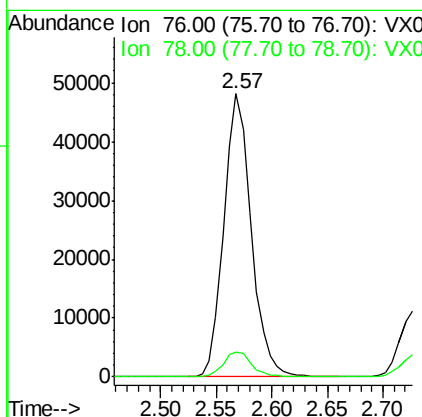
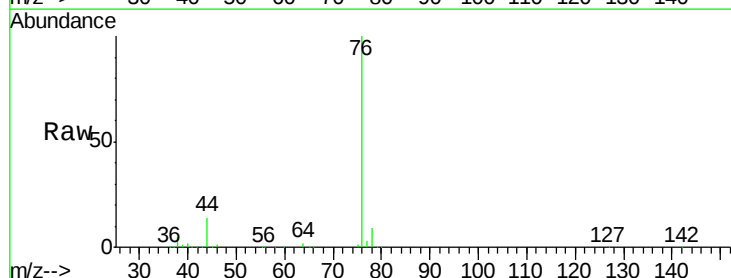
Acq: 07 May 2019 13:11

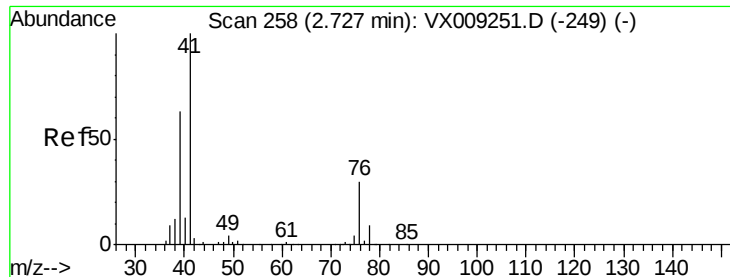
Tgt Ion: 76 Resp: 82167

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2





#17

Allvl chloride

Concen: 18.762 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

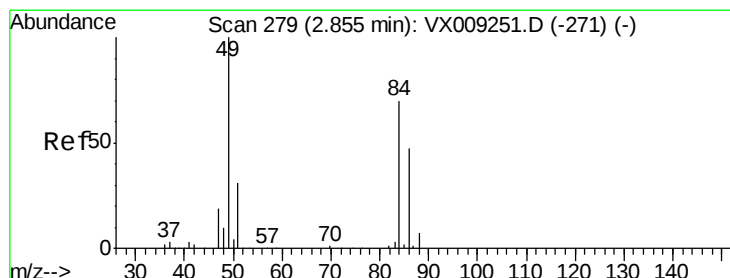
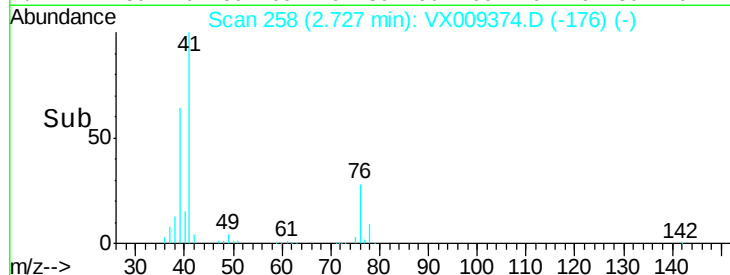
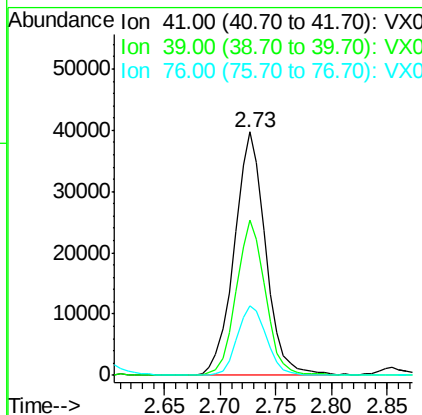
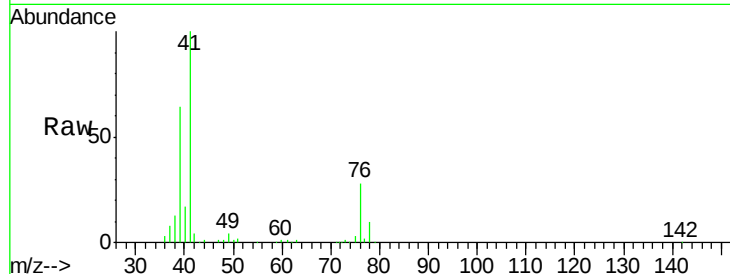
ClientSampleId :

VX0507WBSD01

Tot Ion:	41	Resp:	76770
Ion	Ratio	Lower	Upper
41	100		
39	63.5	31.6	94.7
76	28.4	15.1	45.3

Manual Integrations
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#18

Methylene Chloride

Concen: 20.017 ug/l

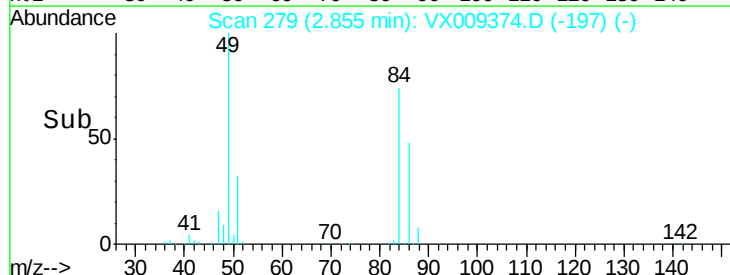
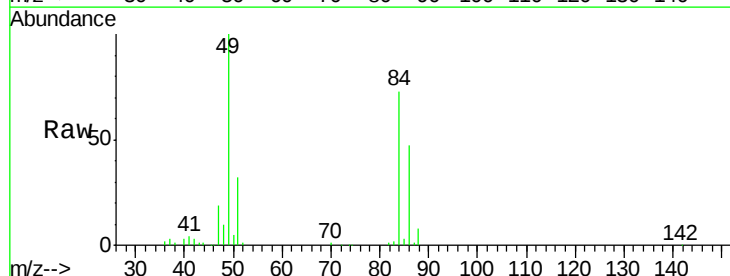
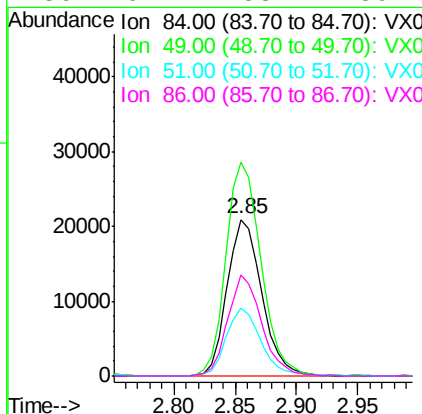
RT: 2.85 min Scan# 279

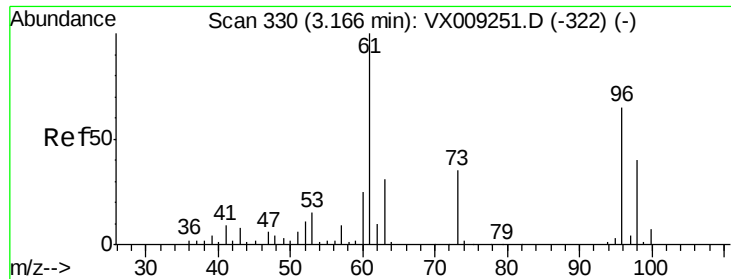
Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Tgt Ion:	84	Resp:	41232
Ion	Ratio	Lower	Upper
84	100		
49	135.9	114.6	171.8
51	43.4	35.5	53.3
86	64.2	53.4	80.2





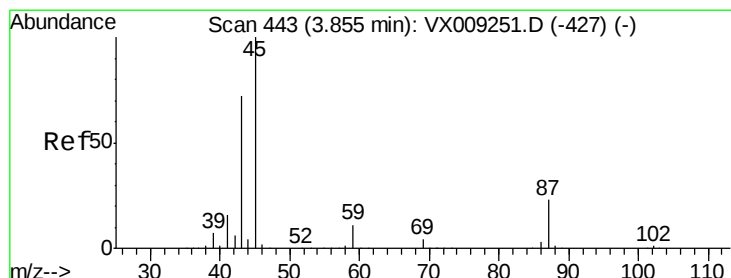
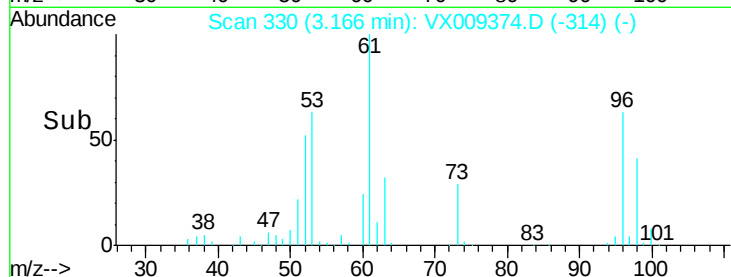
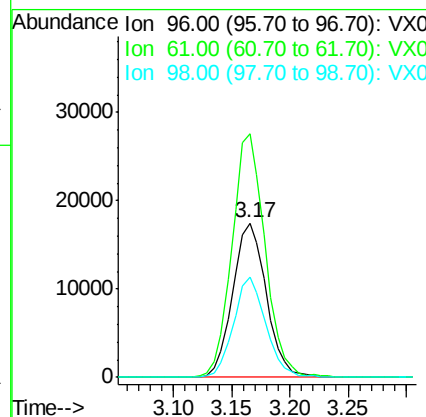
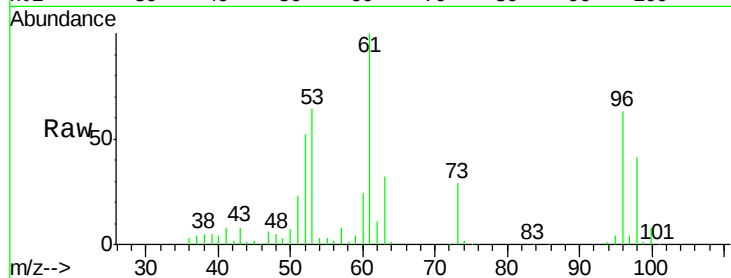
#19
trans-1,2-Dichloroethene
Concen: 19.356 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Instrument :
MSVOA_X
ClientSampled :
VX0507WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.5	122.7	184.1
98	64.8	49.5	74.3

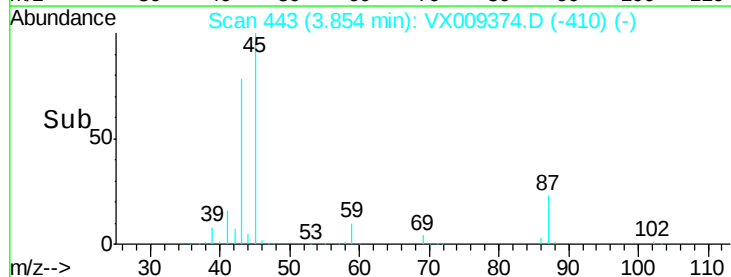
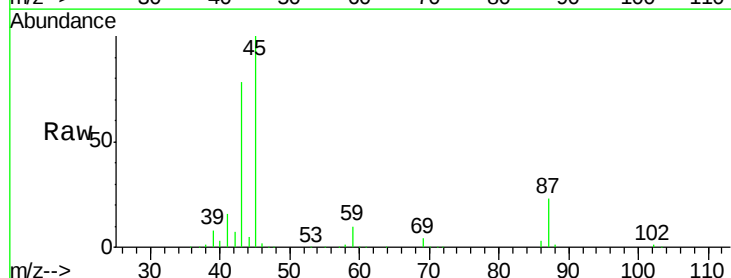
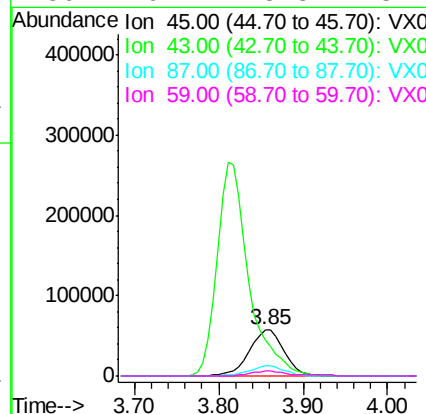
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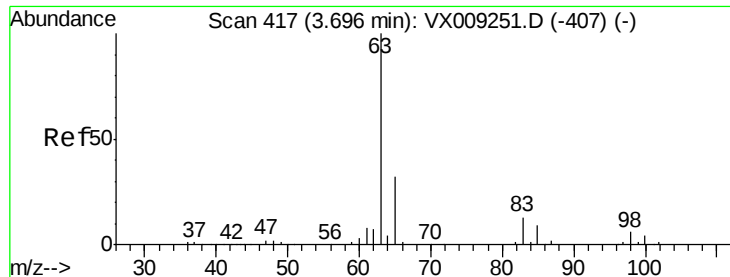
MMDadoda
5/8/2019 10:10:36 AM



#20
Diisopropyl ether
Concen: 19.955 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.3	57.7	86.5
87	23.0	18.5	27.7
59	10.1	8.8	13.2





#21

1,1-Dichloroethane

Concen: 19.564 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

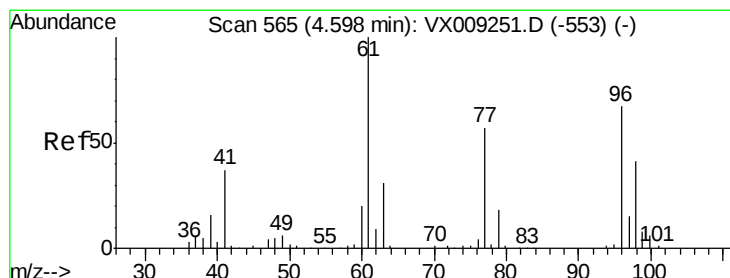
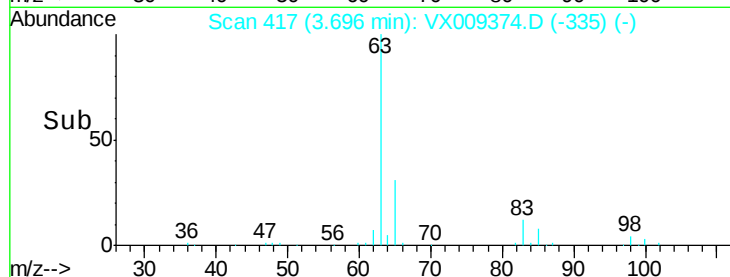
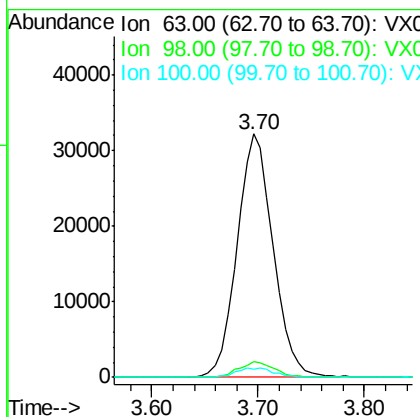
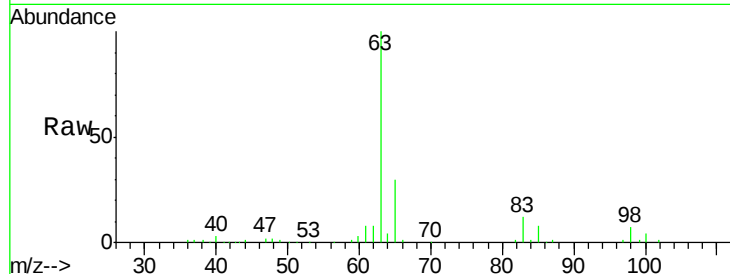
ClientSampleId :

VX0507WBSD01

Tot Ion:	63	Resp:	76293
Ion Ratio	Lower	Upper	
63	100		
98	6.6	3.1	9.3
100	3.5	2.2	6.6

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#22

cis-1,2-Dichloroethene

Concen: 19.512 ug/l

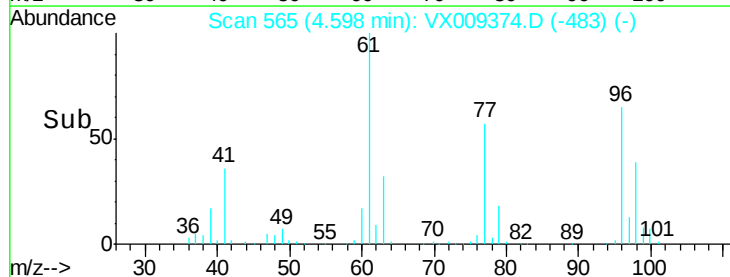
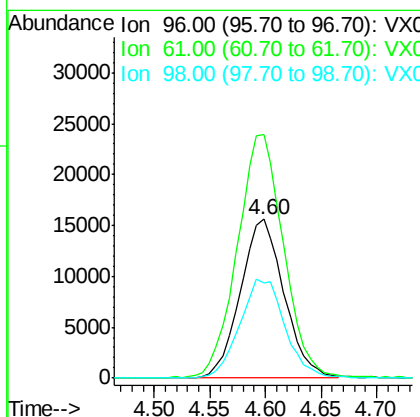
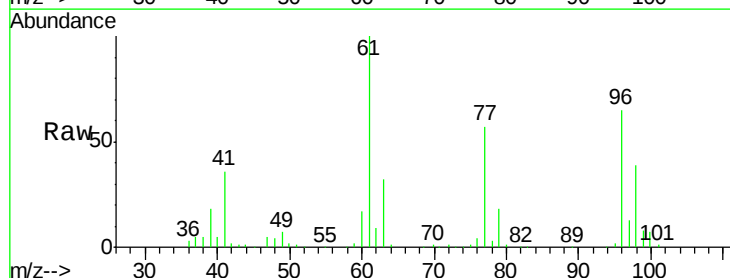
RT: 4.60 min Scan# 565

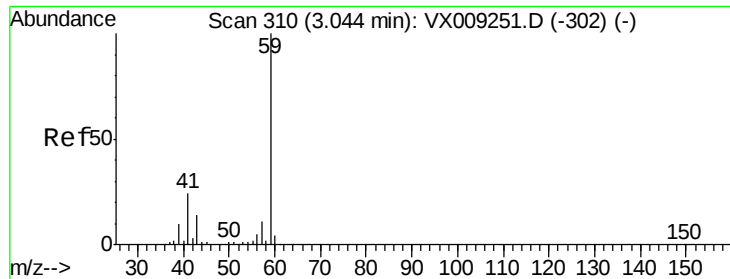
Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Tgt Ion:	96	Resp:	42711
Ion Ratio	Lower	Upper	
96	100		
61	160.4	127.7	191.5
98	64.1	50.5	75.7





#23

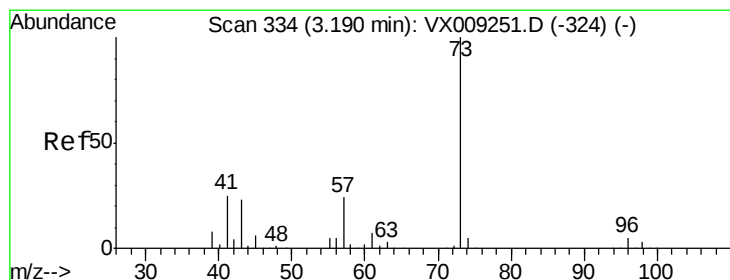
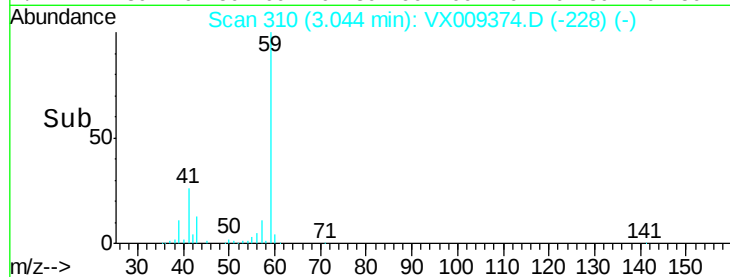
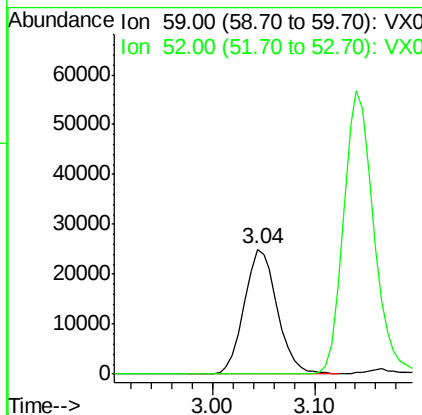
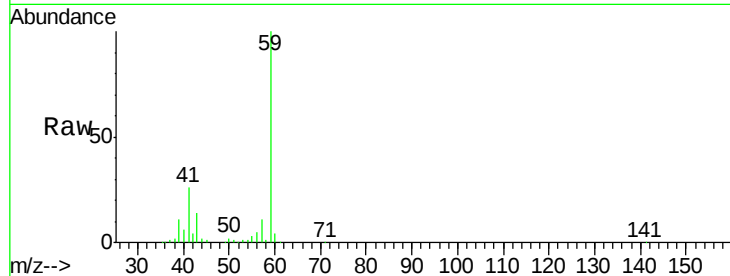
tert-Butyl Alcohol
 Concen: 95.930 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBSD01

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

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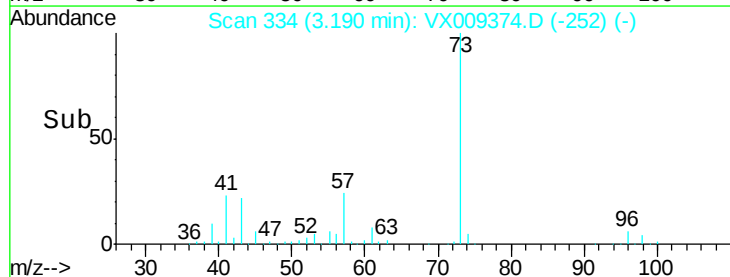
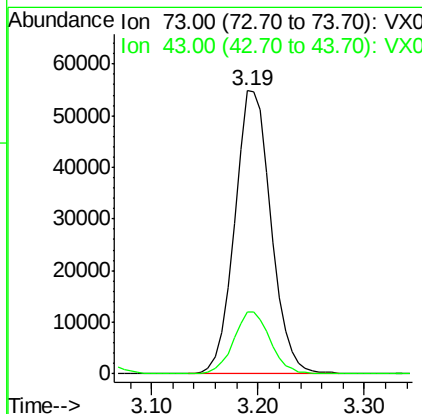
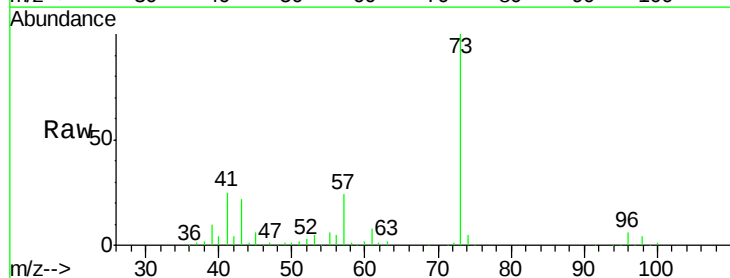
MMDadoda
 5/8/2019 10:10:36 AM

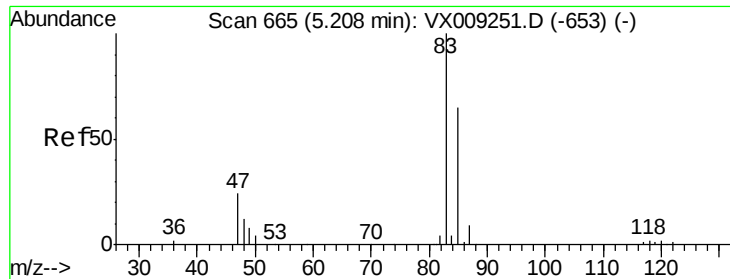


#24

Methyl tert-Butyl Ether
 Concen: 19.732 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Tgt Ion	73	43	Ratio	Lower	Upper
73	100				
43	21.8		17.6	17.6	26.4





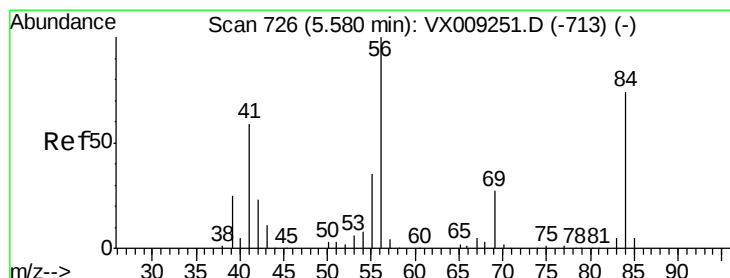
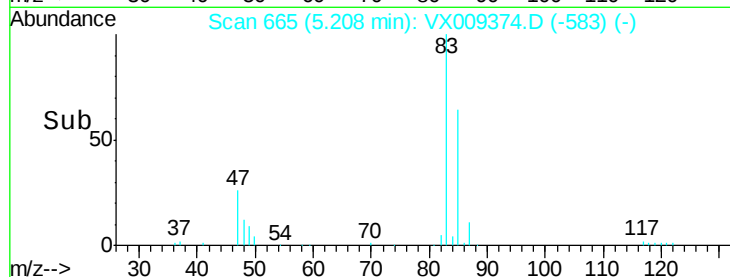
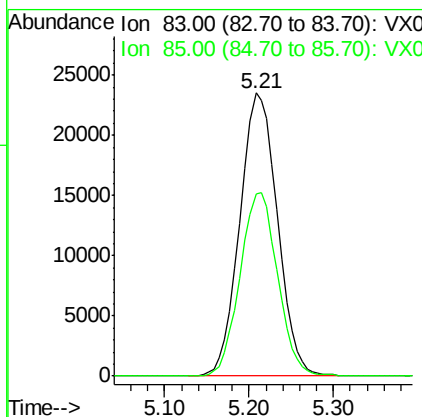
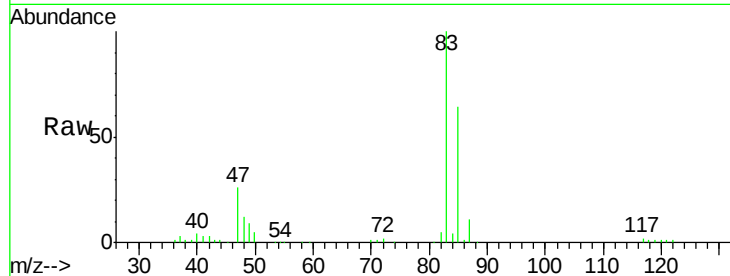
#25
Chloroform
Concen: 20.062 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBSD01

Tot Ion	83	Resp	71394
Ion Ratio	100	Lower	Upper
85	64.2	51.9	77.9

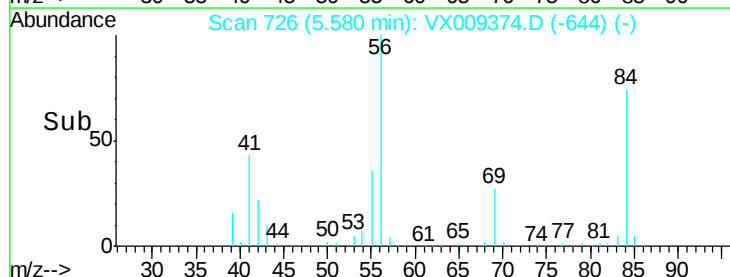
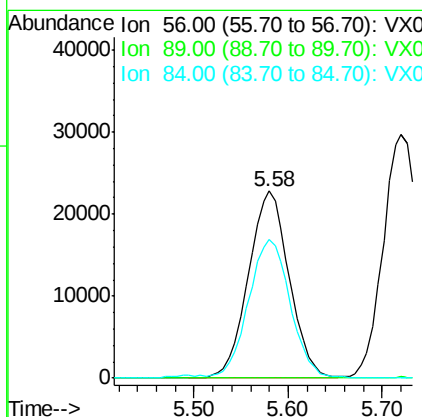
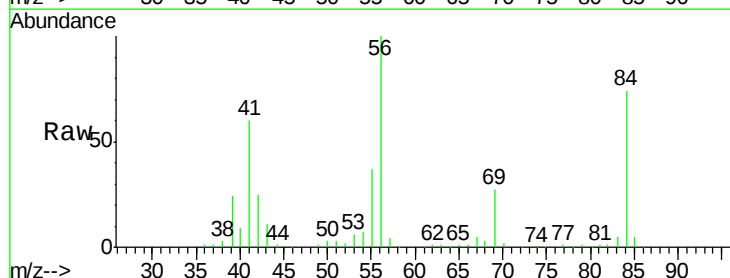
Manual Integrations
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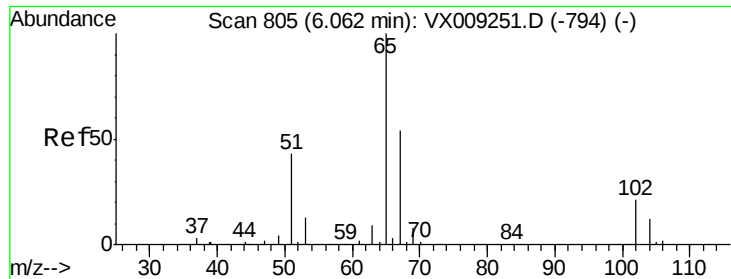
MMDadoda
5/8/2019 10:10:36 AM



#26
Cyclohexane
Concen: 18.980 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Tgt Ion	56	Resp	68981
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	75.8	59.7	89.5





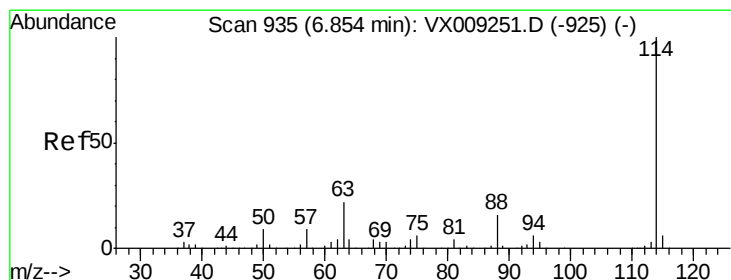
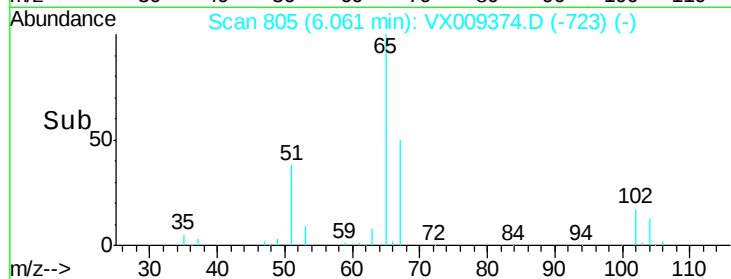
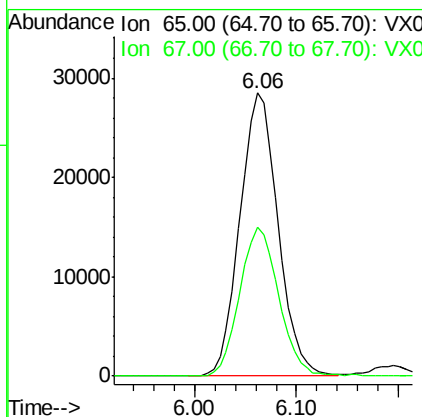
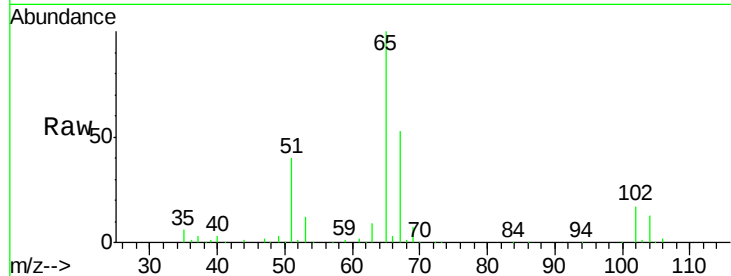
#27
 1,2-Dichloroethane-d4
 Concen: 28.685 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBSD01

Tot Ion: 65 Resp: 74149
 Ion Ratio Lower Upper
 65 100
 67 53.8 43.1 64.7

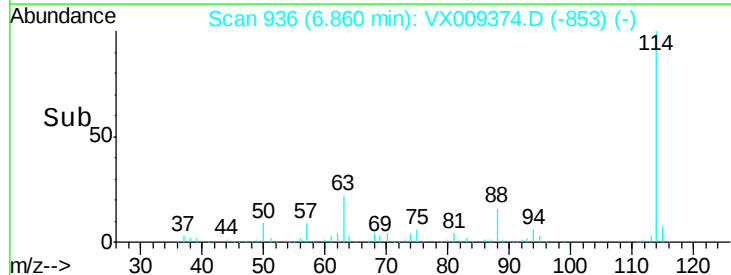
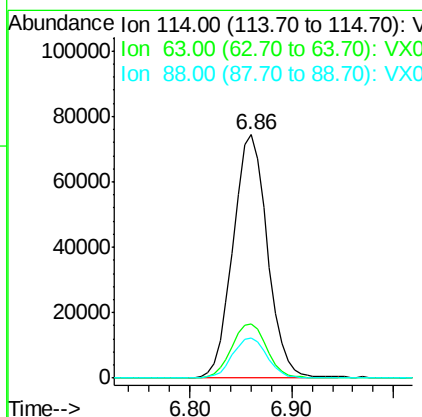
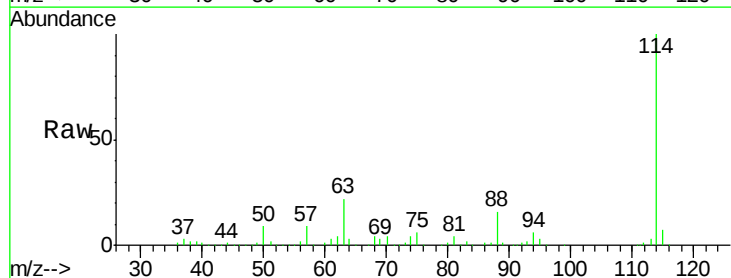
Manual Integrations
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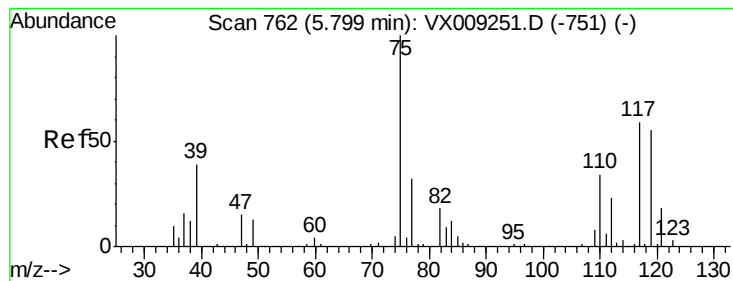
MMDadoda
 5/8/2019 10:10:36 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Tgt Ion: 114 Resp: 174629
 Ion Ratio Lower Upper
 114 100
 63 22.8 18.0 27.0
 88 16.5 13.4 20.0





#29

1,1-Dichloropropene

Concen: 19.841 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

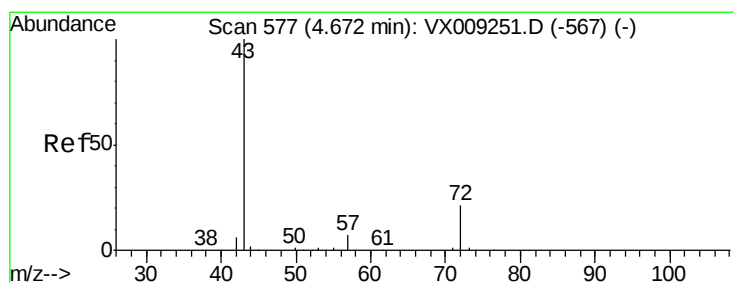
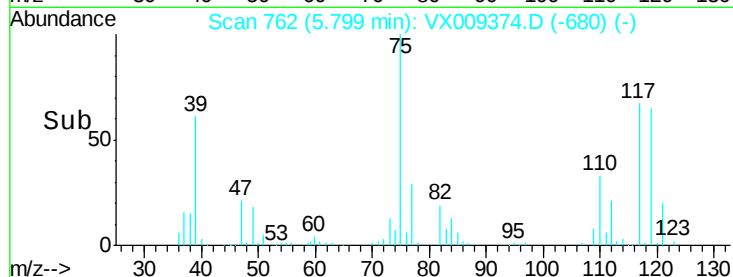
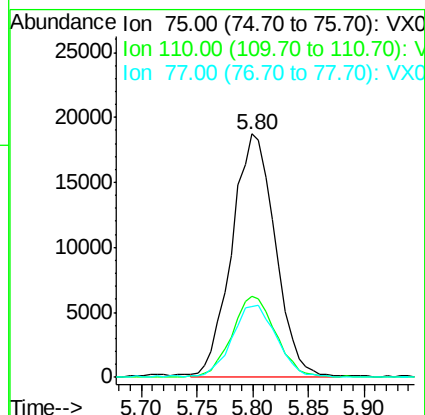
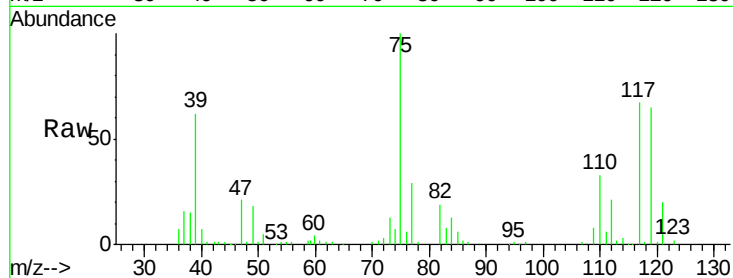
ClientSampled :

VX0507WBSD01

Tot Ion:	75	Resp:	50841
Ion Ratio	Lower	Upper	
75	100		
110	33.6	0.0	66.4
77	30.5	0.0	62.2

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#30

2-Butanone

Concen: 103.842 ug/l

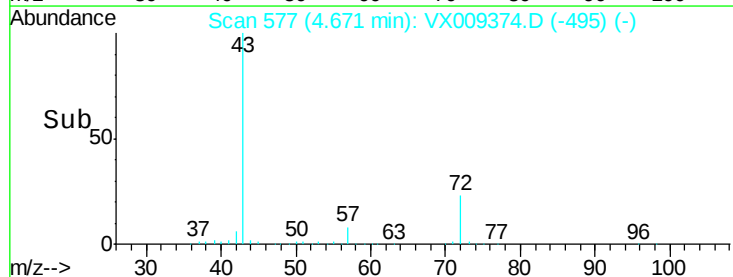
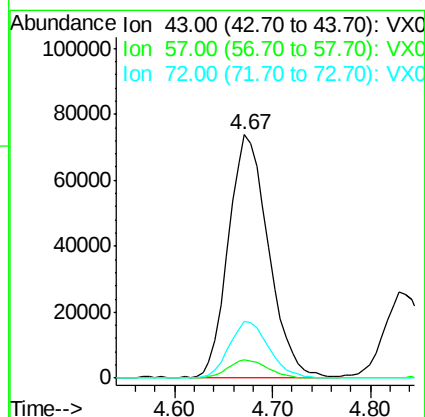
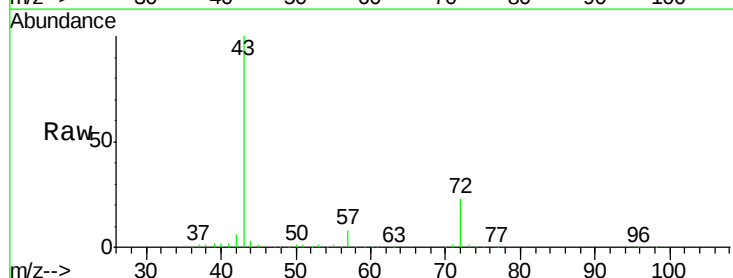
RT: 4.67 min Scan# 577

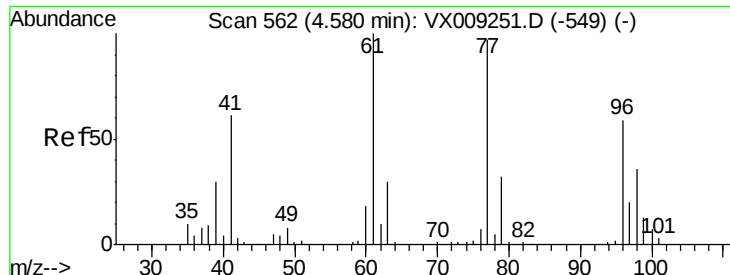
Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Tgt Ion:	43	Resp:	208382
Ion Ratio	Lower	Upper	
43	100		
57	7.6	6.0	9.0
72	23.2	18.2	27.4





#31

2,2-Dichloropropane

Concen: 19.472 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBSD01

Tot Ion: 77 Resp: 55006

Ion Ratio Lower Upper

77 100

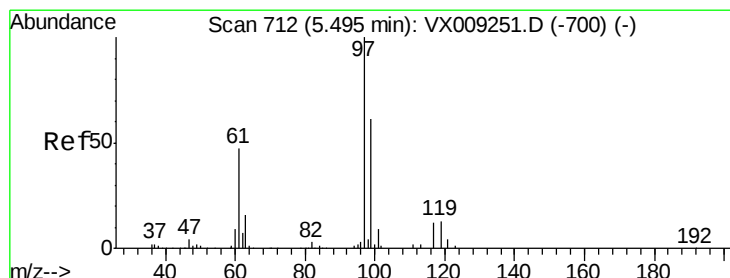
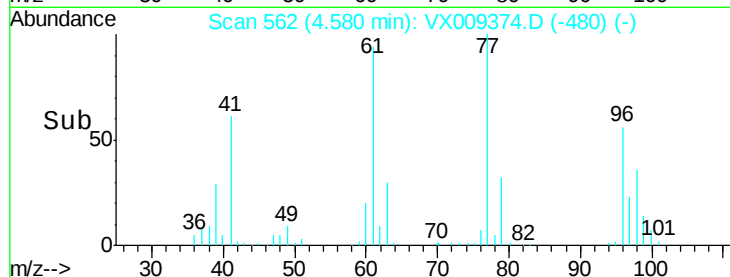
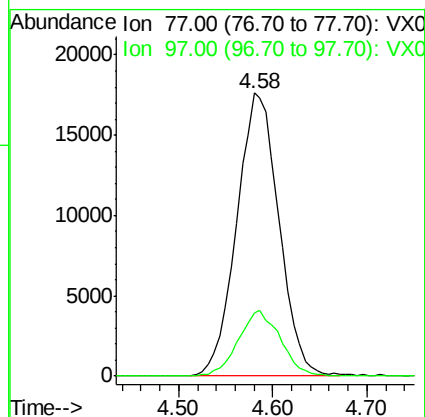
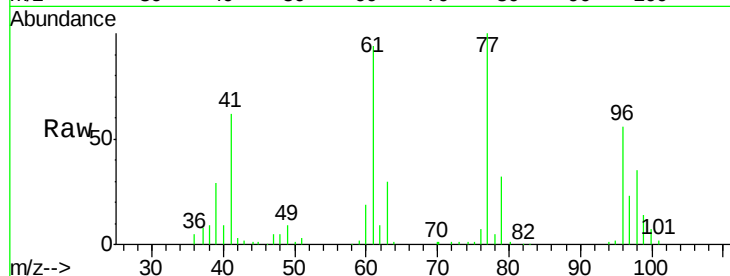
97 23.2 18.3 27.5

Manual Integrations

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5/8/2019 10:10:36 AM



#32

1,1,1-Trichloroethane

Concen: 20.726 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

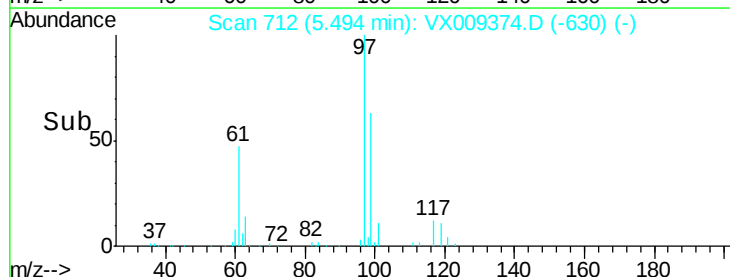
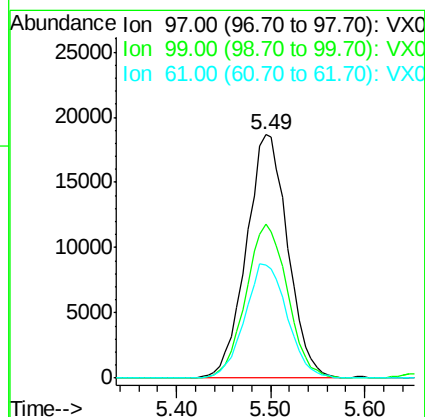
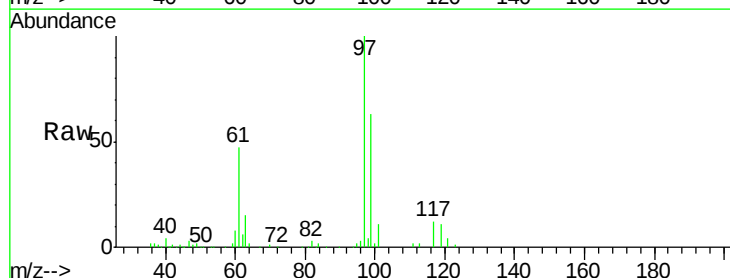
Tgt Ion: 97 Resp: 57573

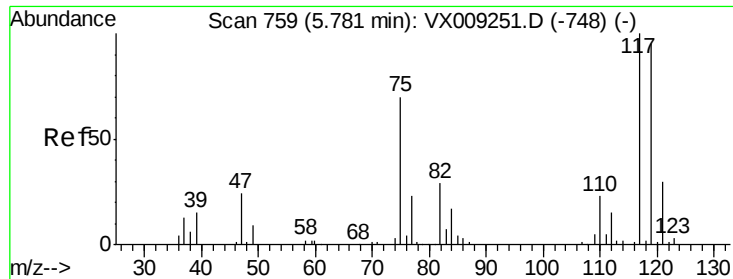
Ion Ratio Lower Upper

97 100

99 63.4 53.9 80.9

61 48.0 38.6 58.0





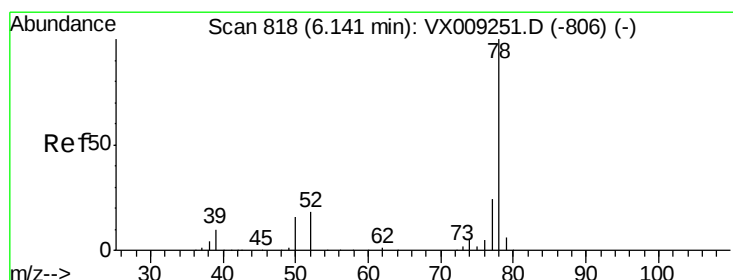
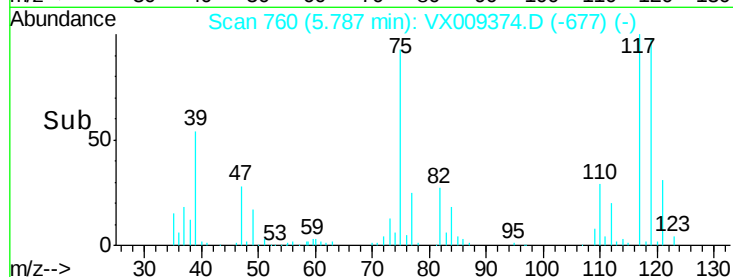
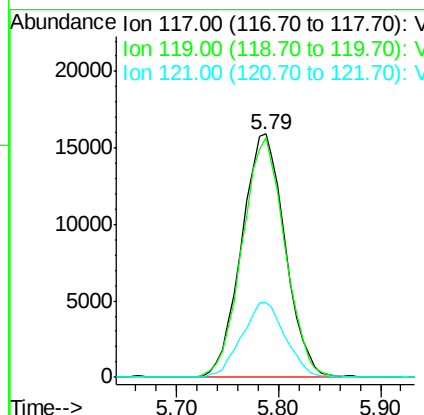
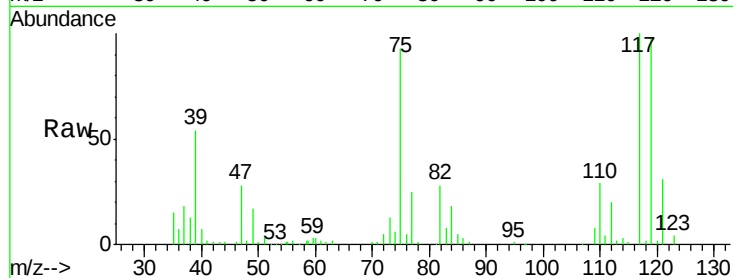
#33
Carbon Tetrachloride
Concen: 20.285 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Instrument :
MSVOA_X
ClientSampled :
VX0507WBSD01

Tot Ion:117 Resp: 47145
Ion Ratio Lower Upper
117 100
119 98.2 76.1 114.1
121 30.7 24.4 36.6

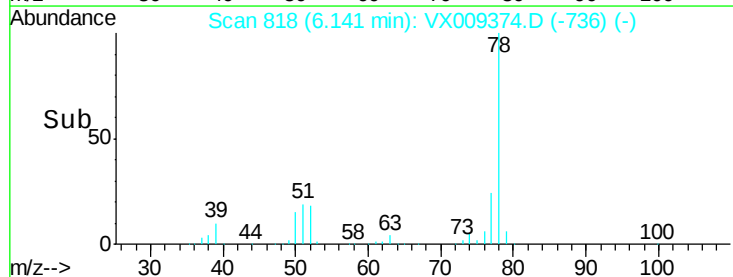
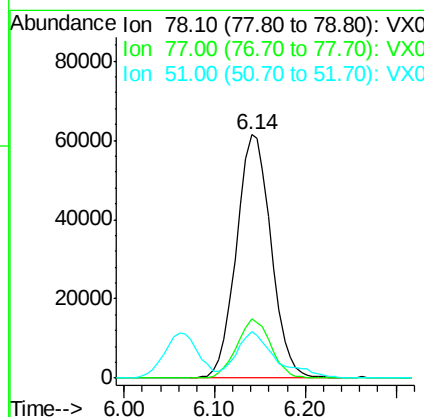
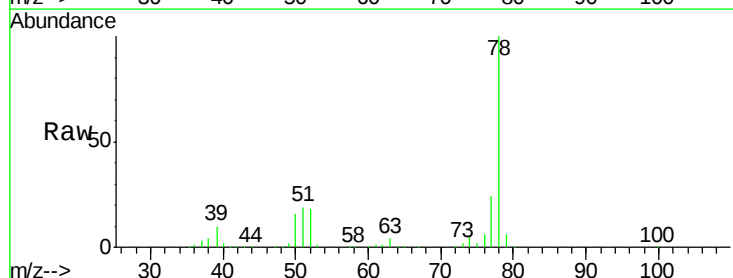
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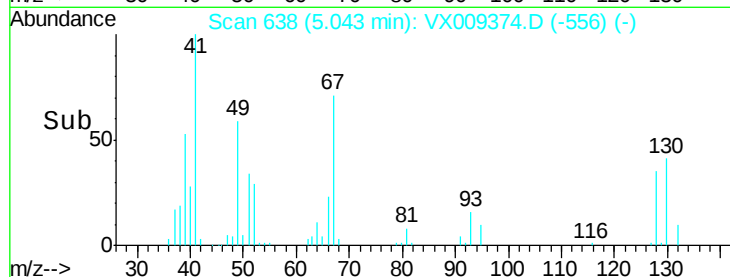
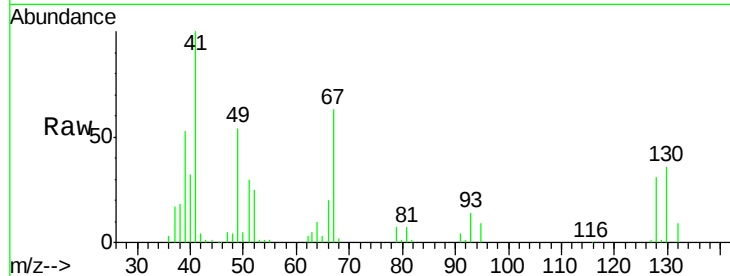
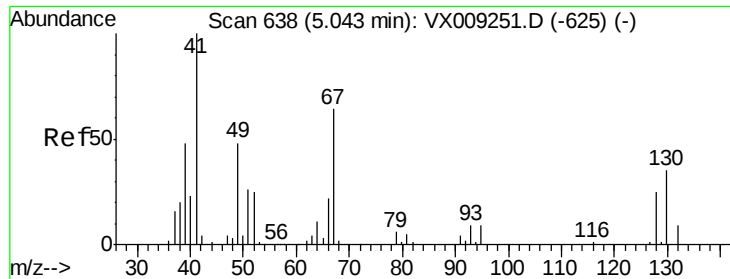
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5/8/2019 10:10:36 AM



#34
Benzene
Concen: 20.652 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Tgt Ion: 78 Resp: 163145
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2
51 18.6 13.5 20.3





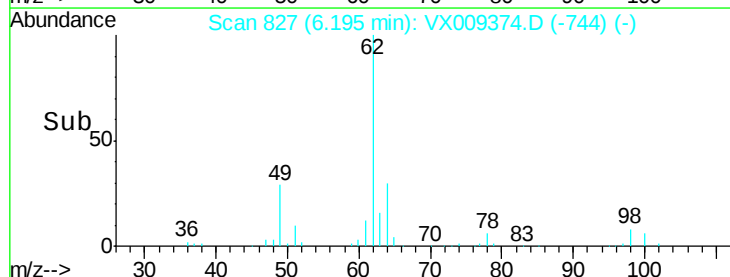
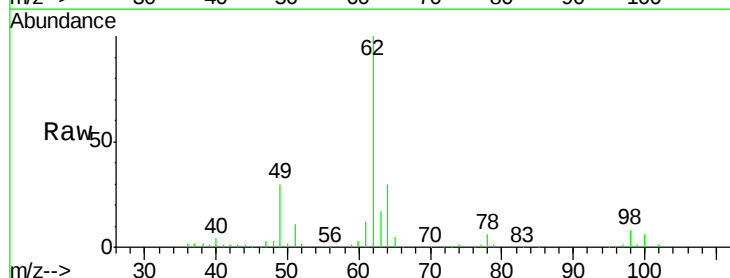
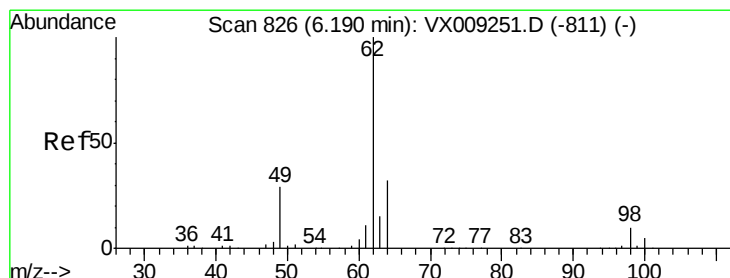
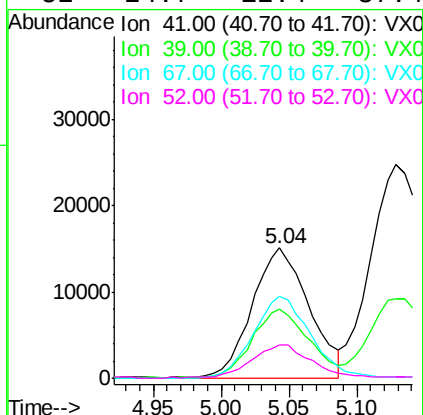
#35
Methacrylonitrile
Concen: 21.042 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	24.1	72.3	
67	62.7	32.2	96.6	
52	24.7	12.4	37.4	

Instrument :
MSVOA_X
ClientSampled :
VX0507WBSD01

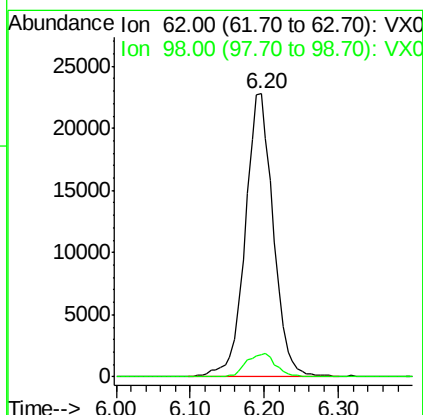
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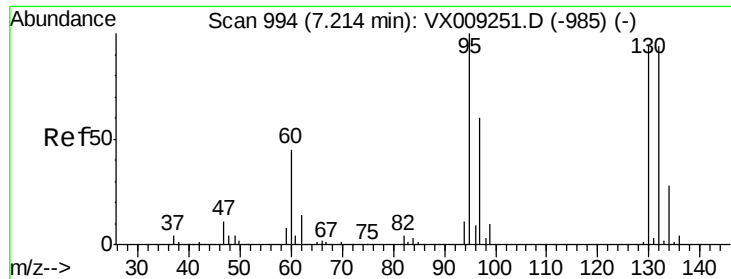
MMDadoda
5/8/2019 10:10:36 AM



#36
1,2-Dichloroethane
Concen: 21.027 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	7.4	11.2	





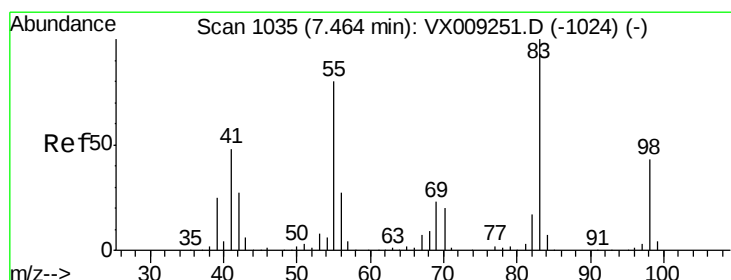
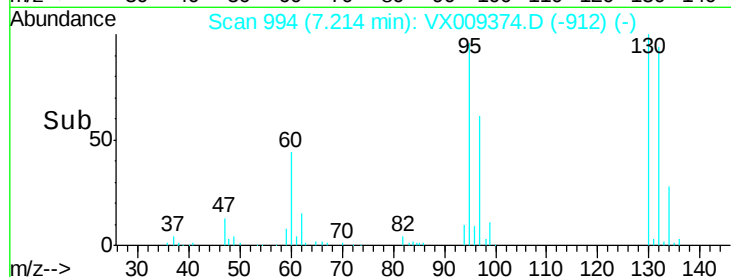
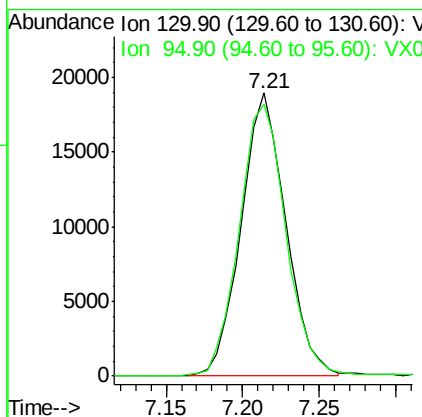
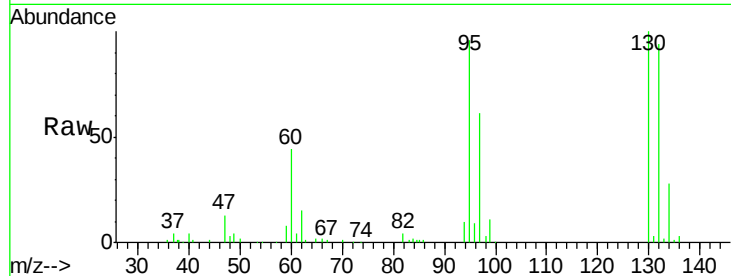
#37
 Trichloroethene
 Concen: 20.253 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBSD01

Tot Ion:130 Resp: 38515
 Ion Ratio Lower Upper
 130 100
 95 95.6 85.0 127.4

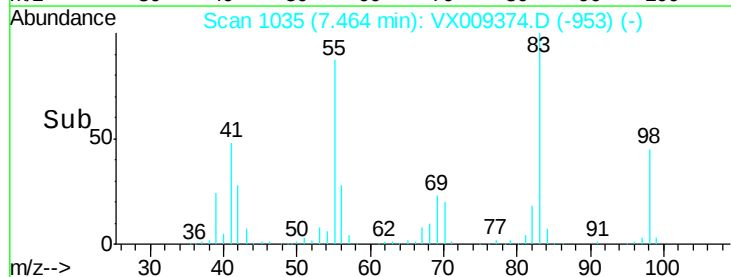
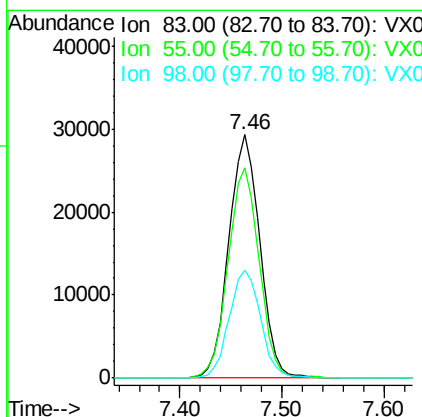
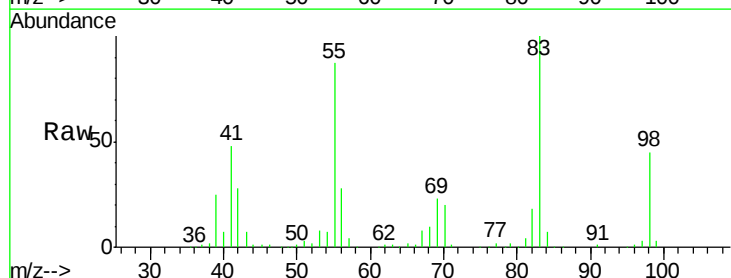
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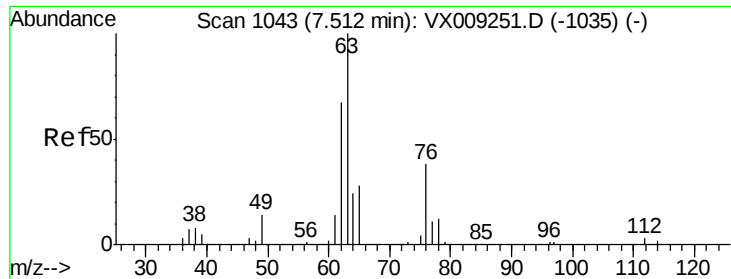
MMDadoda
 5/8/2019 10:10:36 AM



#38
 Methylcyclohexane
 Concen: 19.539 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Tgt Ion: 83 Resp: 61855
 Ion Ratio Lower Upper
 83 100
 55 86.2 43.0 129.2
 98 44.8 22.1 66.1





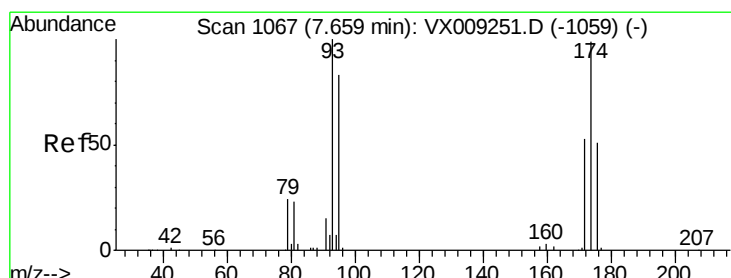
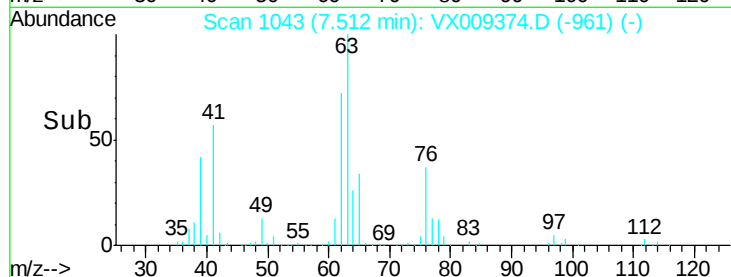
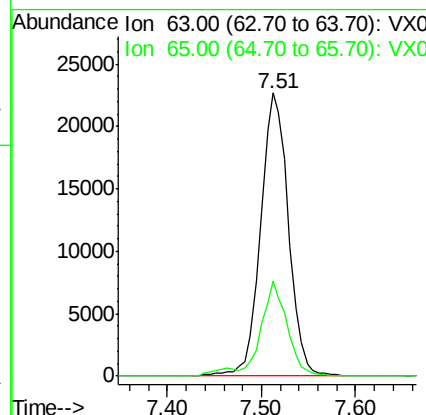
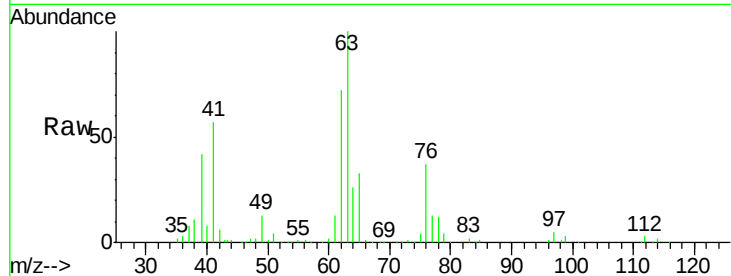
#39
 1,2-Dichloropropane
 Concen: 21.010 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Instrument :
 MSVOA_X
 ClientSampled :
 VX0507WBSD01

Tot Ion: 63 Resp: 47264
 Ion Ratio Lower Upper
 63 100
 65 33.2 24.0 36.0

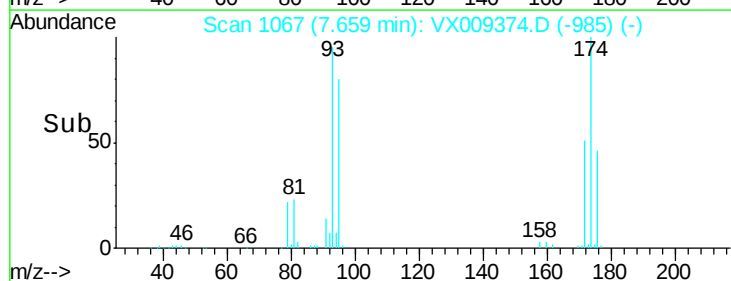
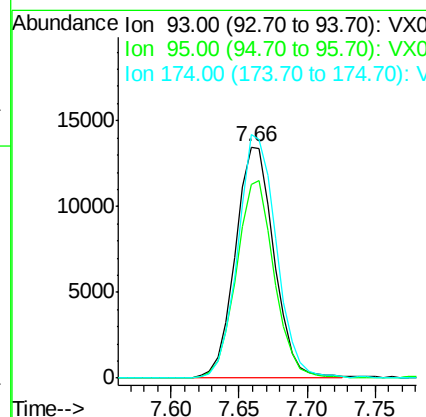
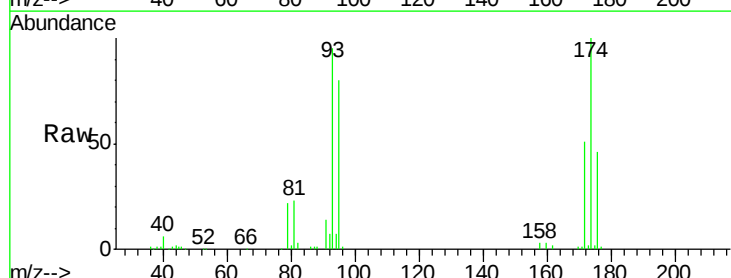
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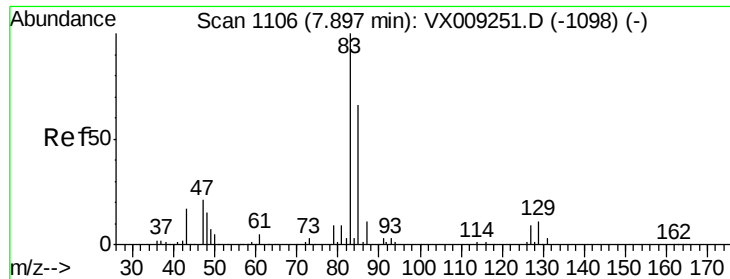
MMDadoda
 5/8/2019 10:10:36 AM



#40
 Dibromomethane
 Concen: 20.967 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Tgt Ion: 93 Resp: 26771
 Ion Ratio Lower Upper
 93 100
 95 83.8 0.0 167.2
 174 104.6 0.0 203.4





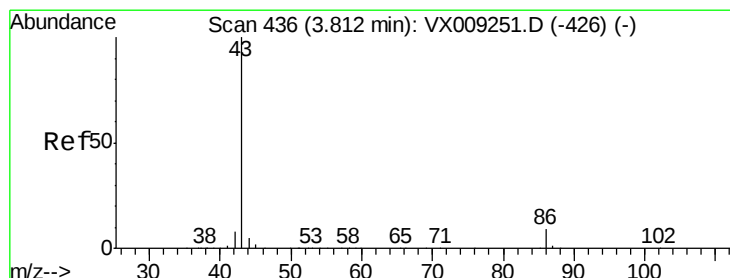
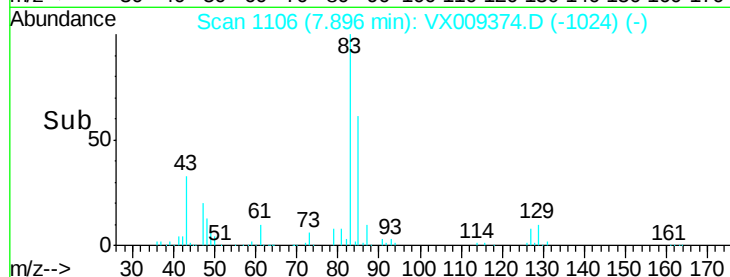
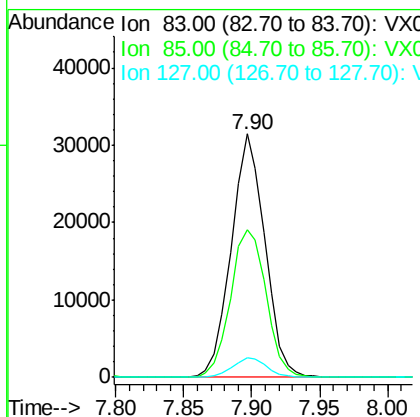
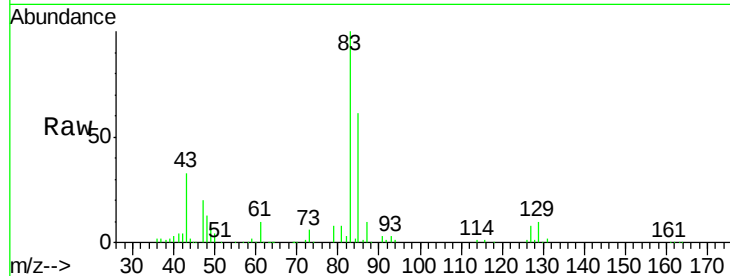
#41
Bromodichloromethane
Concen: 20.802 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBSD01

Tot Ion	83	Resp	54254
Ion Ratio	100	Lower	Upper
83	100		
85	60.5	52.6	79.0
127	8.3	6.9	10.3

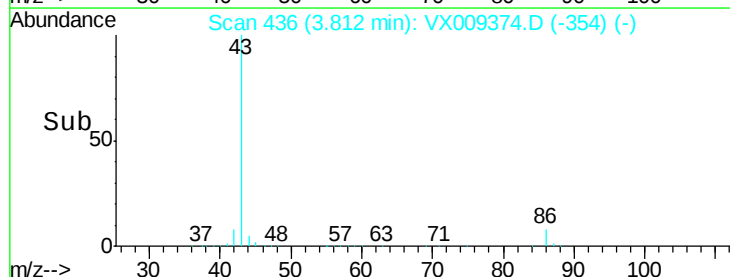
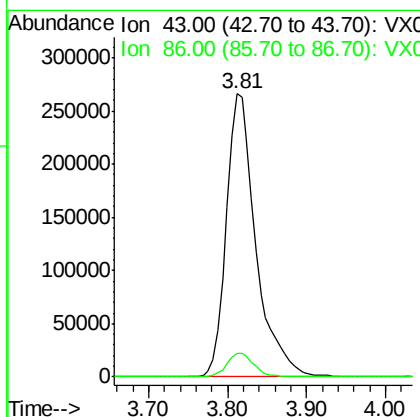
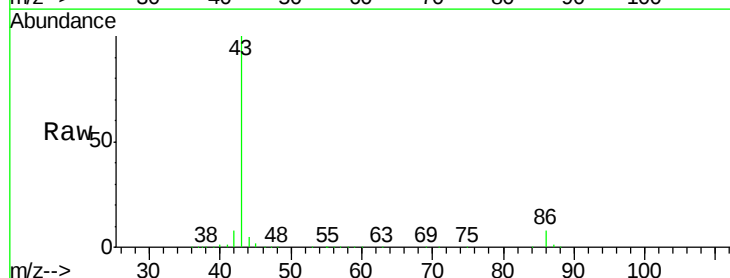
Manual Integrations
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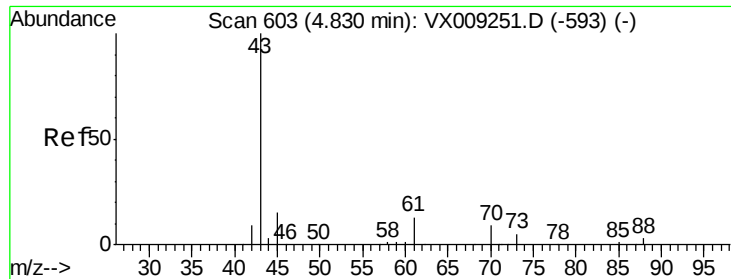
MMDadoda
5/8/2019 10:10:36 AM



#42
Vinyl Acetate
Concen: 104.679 ug/l
RT: 3.81 min Scan# 436
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Tgt Ion	43	Resp	693301
Ion Ratio	100	Lower	Upper
43	100		
86	7.7	6.0	9.0





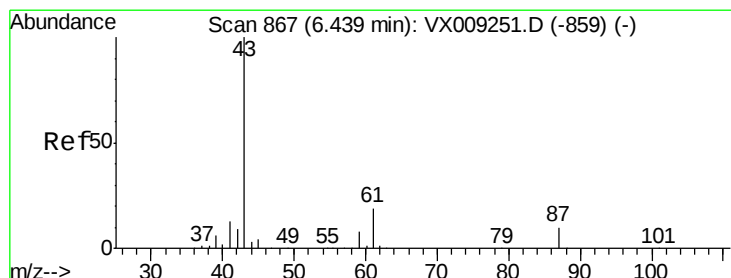
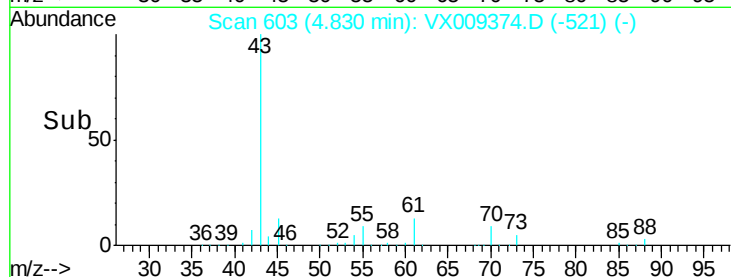
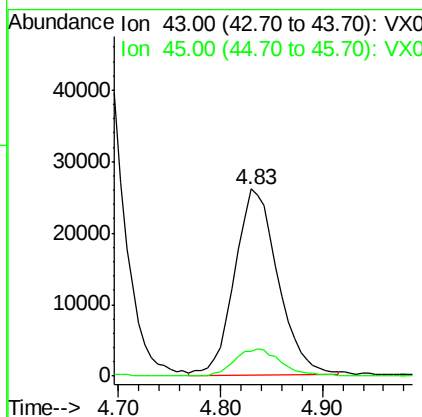
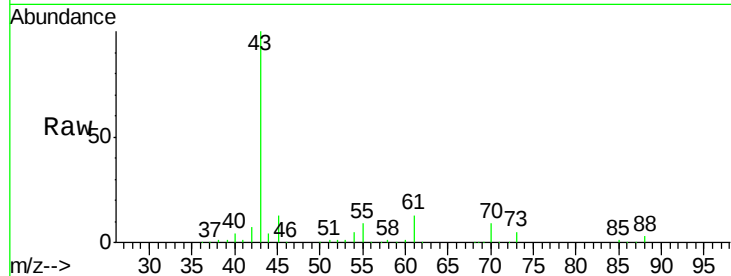
#43
Ethyl Acetate
Concen: 21.115 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBSD01

Tot Ion: 43 Resp: 76566
Ion Ratio Lower Upper
43 100
45 15.9 11.8 17.8

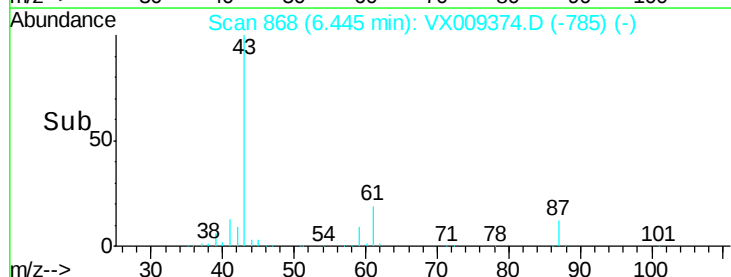
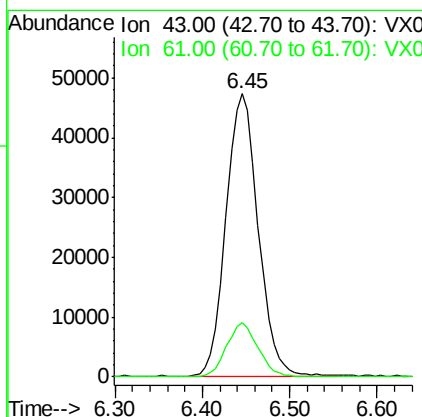
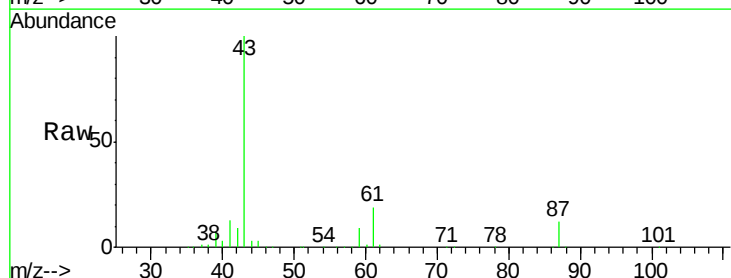
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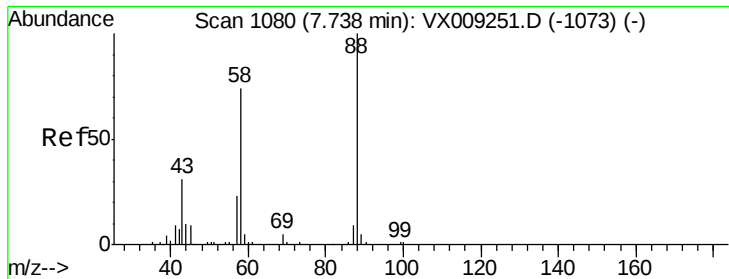
MMDadoda
5/8/2019 10:10:36 AM



#44
Isopropyl Acetate
Concen: 20.600 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.01 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Tgt Ion: 43 Resp: 121009
Ion Ratio Lower Upper
43 100
61 18.7 15.4 23.2





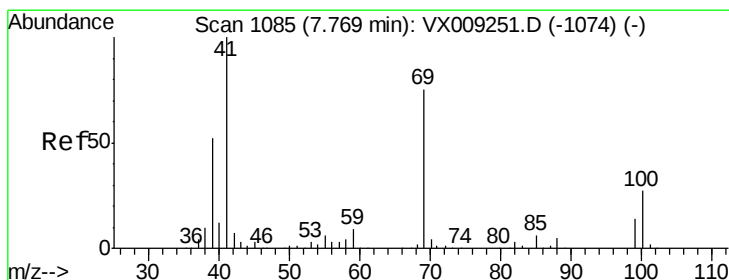
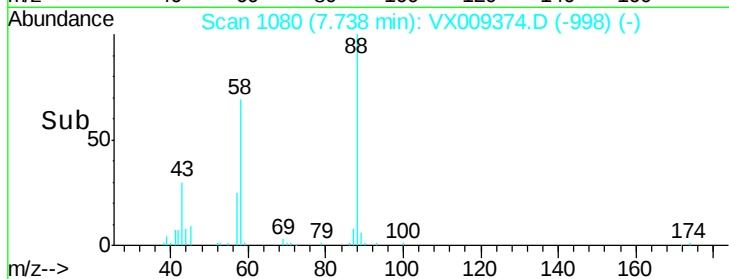
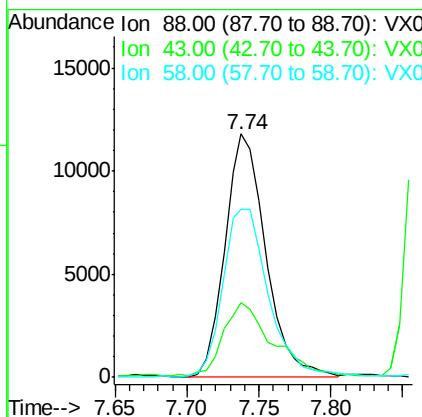
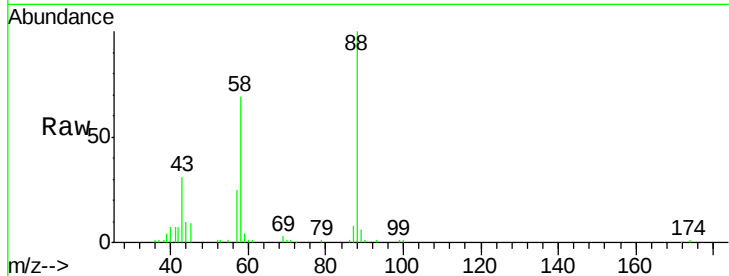
#45
 1,4-Dioxane
 Concen: 404.607 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.2	28.5	42.7
58	77.9	62.5	93.7

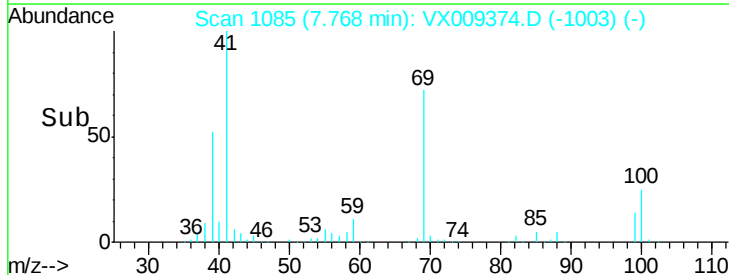
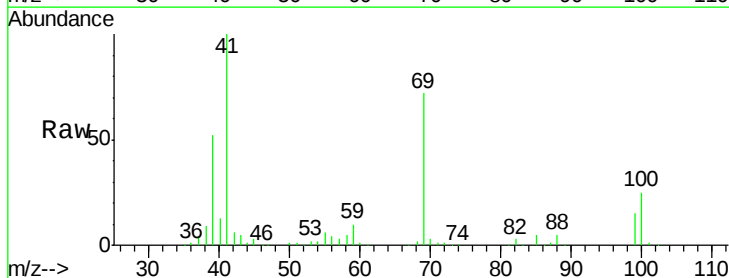
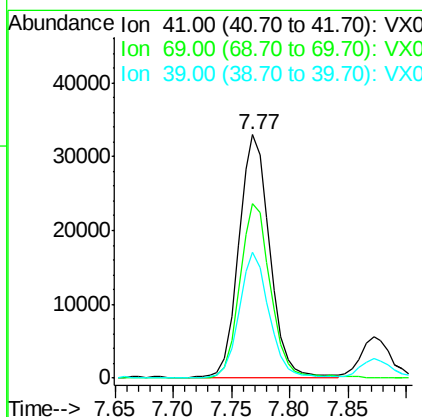
Manual Integrations
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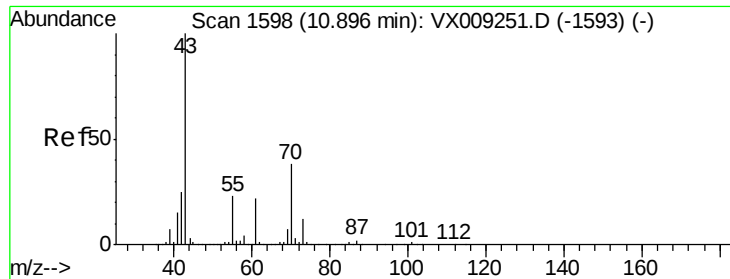
MMDadoda
 5/8/2019 10:10:36 AM



#46
 Methyl methacrylate
 Concen: 20.791 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.1	37.6	112.8
39	51.5	25.8	77.3





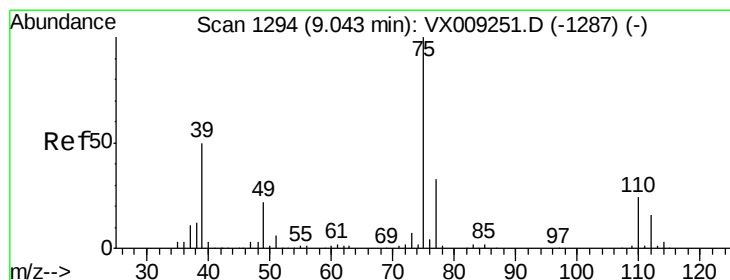
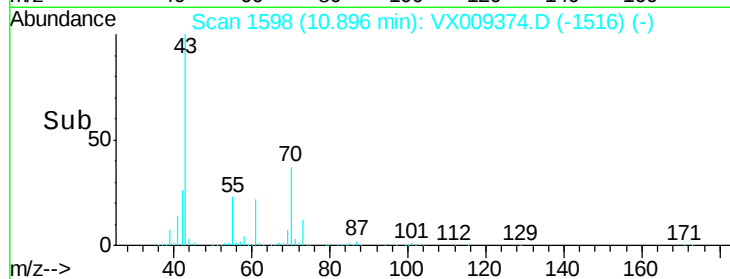
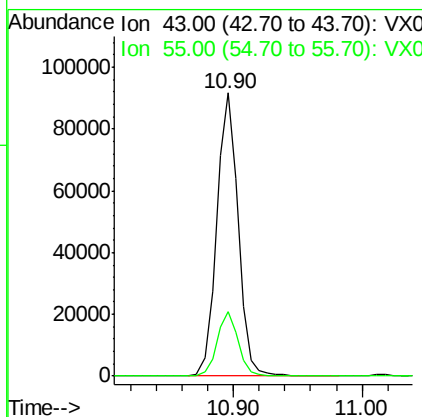
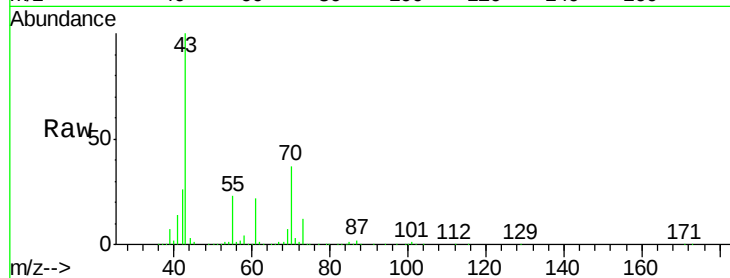
#47
n-amvl Acetate
Concen: 20.225 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBSD01

Tot Ion: 43 Resp: 107025
Ion Ratio Lower Upper
43 100
55 22.8 18.2 27.4

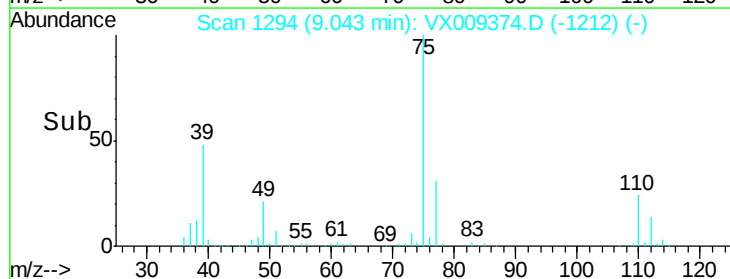
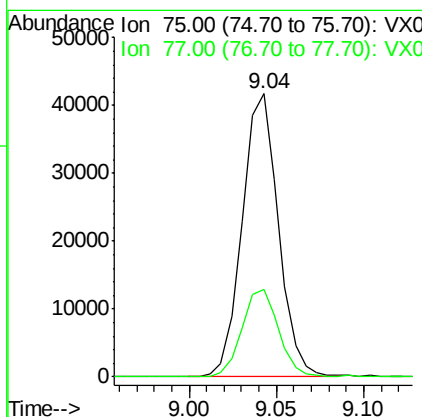
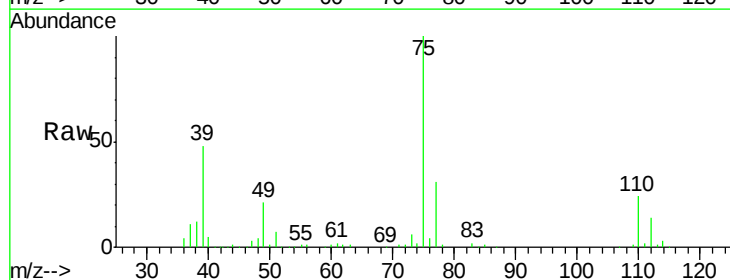
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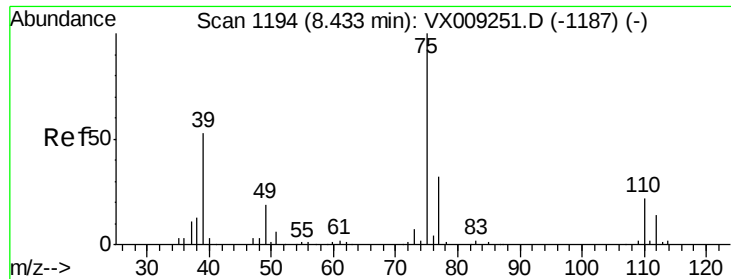
MMDadoda
5/8/2019 10:10:36 AM



#48
t-1,3-Dichloropropene
Concen: 19.741 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Tgt Ion: 75 Resp: 60072
Ion Ratio Lower Upper
75 100
77 31.0 26.5 39.7





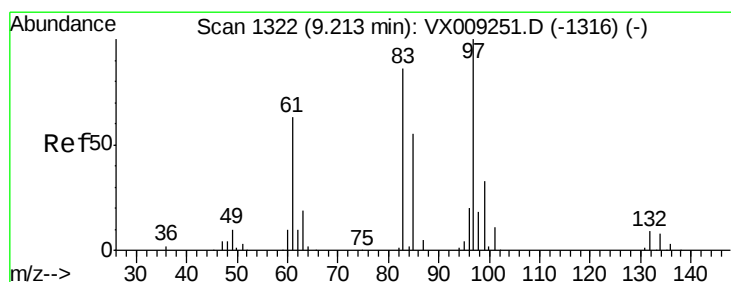
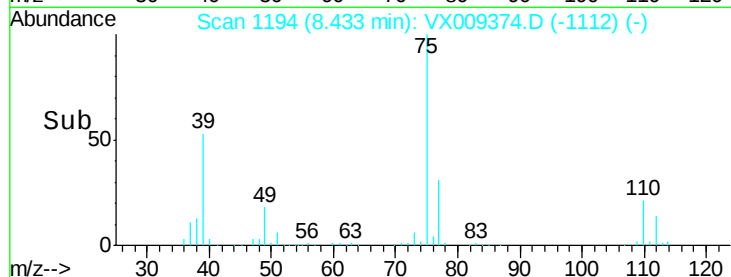
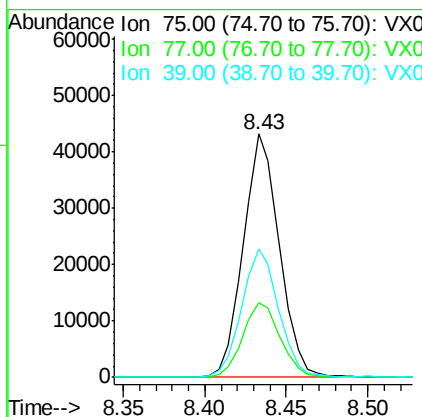
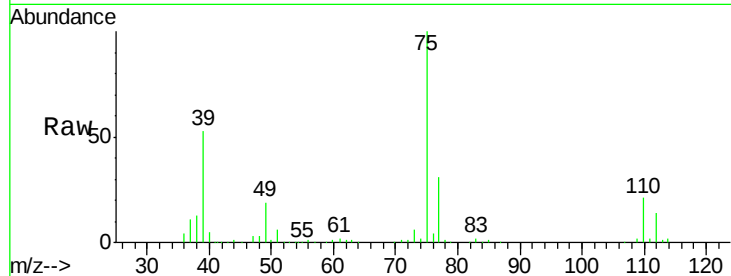
#49
 cis-1,3-Dichloropropene
 Concen: 19.963 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBSD01

Tot Ion:	75	Resp:	66689
Ion Ratio	Lower	Upper	
75	100		
77	30.8	26.0	39.0
39	52.6	42.6	63.8

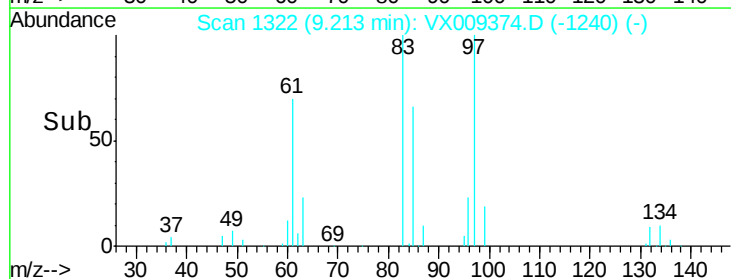
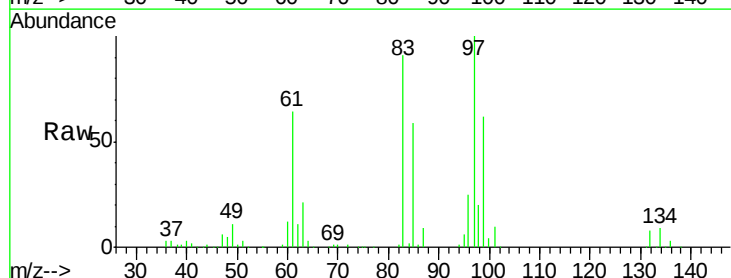
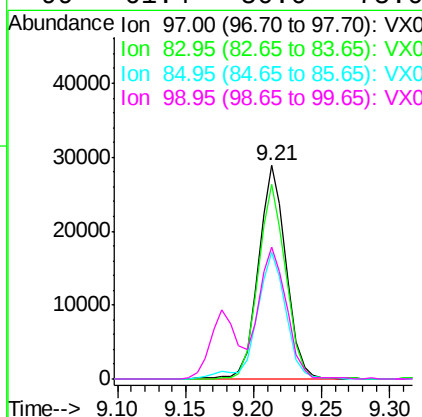
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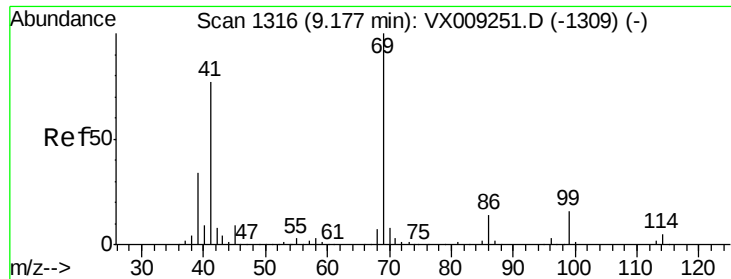
MMDadoda
 5/8/2019 10:10:36 AM



#50
 1,1,2-Trichloroethane
 Concen: 21.071 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Tgt Ion:	97	Resp:	41219
Ion Ratio	Lower	Upper	
97	100		
83	91.1	68.8	103.2
85	59.0	45.8	68.6
99	61.4	50.0	75.0





#51

Ethyl methacrylate

Concen: 20.199 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

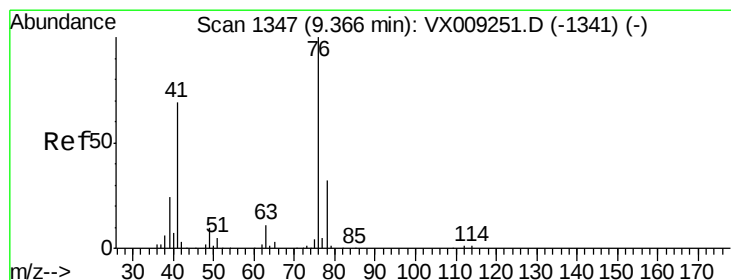
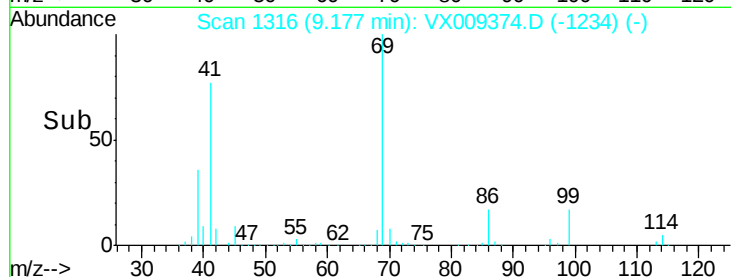
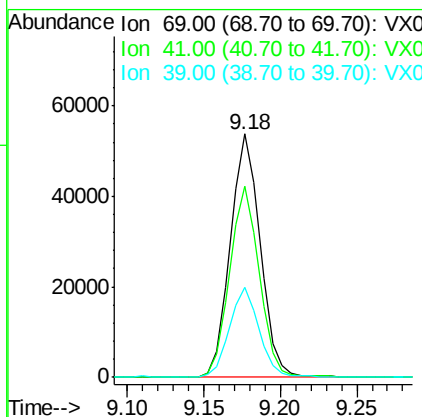
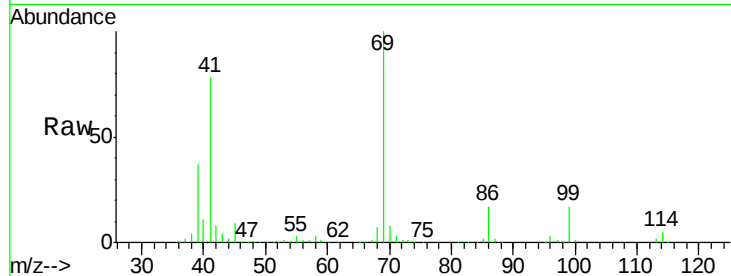
ClientSampled :

VX0507WBSD01

Tot Ion:	69	Resp:	73020
Ion	Ratio	Lower	Upper
69	100		
41	78.3	38.4	115.2
39	36.5	17.2	51.5

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#52

1,3-Dichloropropane

Concen: 21.190 ug/l

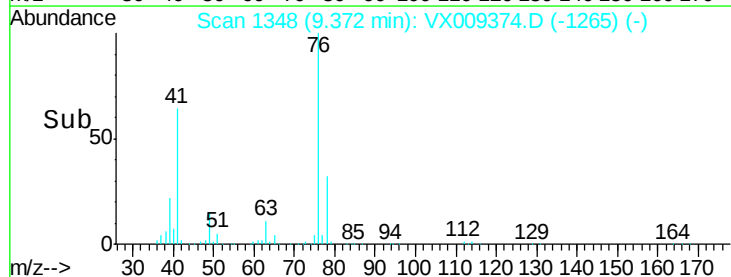
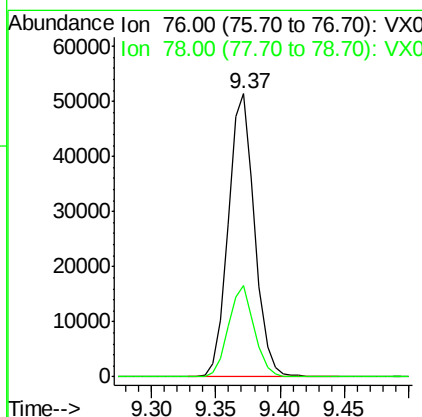
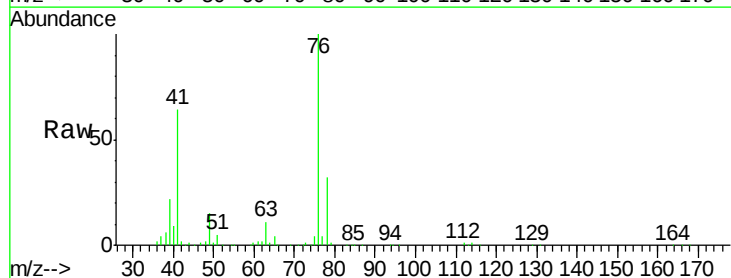
RT: 9.37 min Scan# 1348

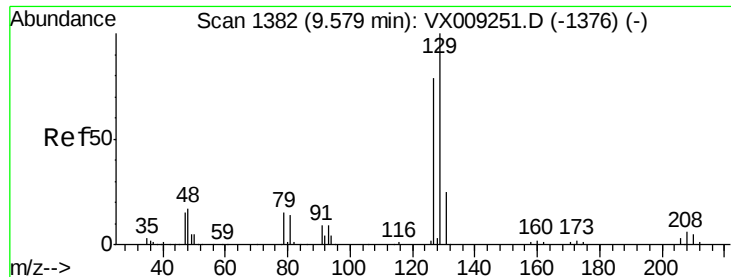
Delta R.T. 0.01 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Tgt Ion:	76	Resp:	73565
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	64.2





#53

Dibromochloromethane

Concen: 20.619 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBSD01

Tot Ion:129 Resp: 40169

Ion Ratio Lower Upper

129 100

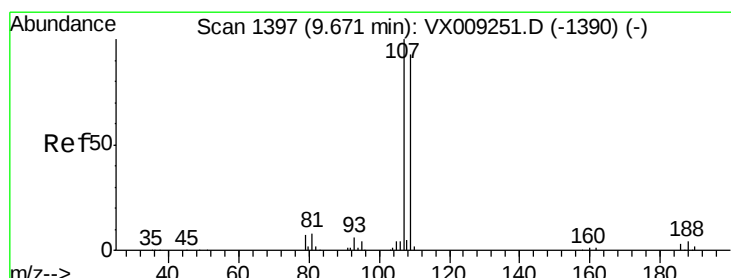
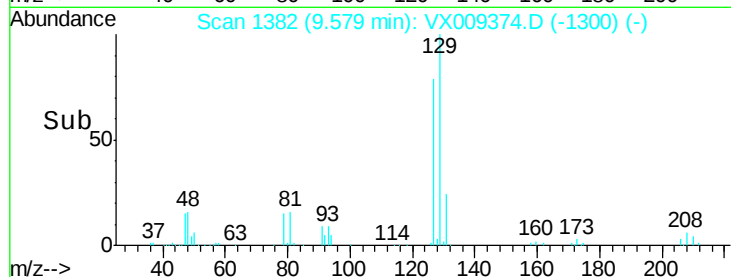
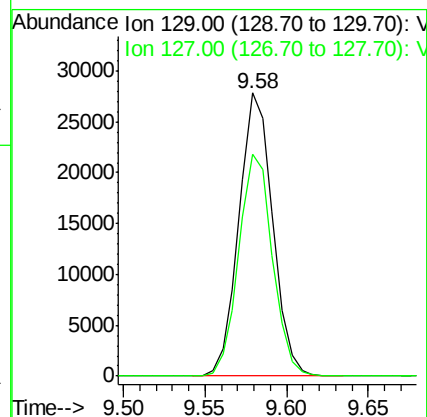
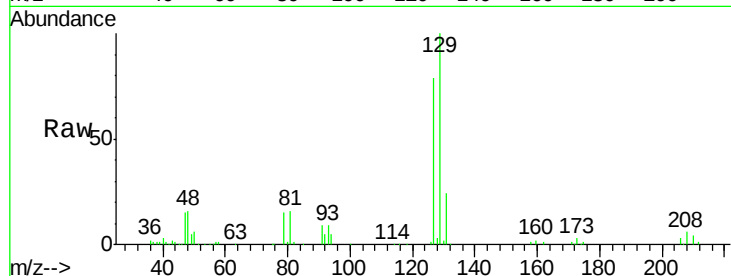
127 78.4 39.1 117.5

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#54

1,2-Dibromoethane

Concen: 20.719 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009374.D

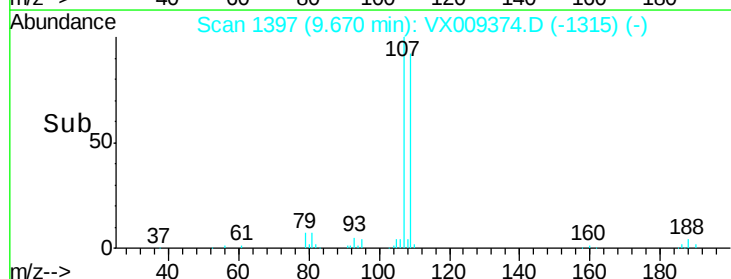
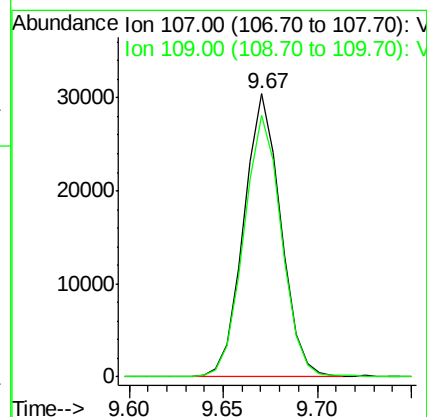
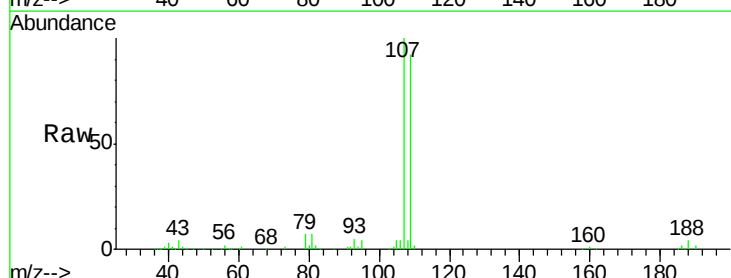
Acq: 07 May 2019 13:11

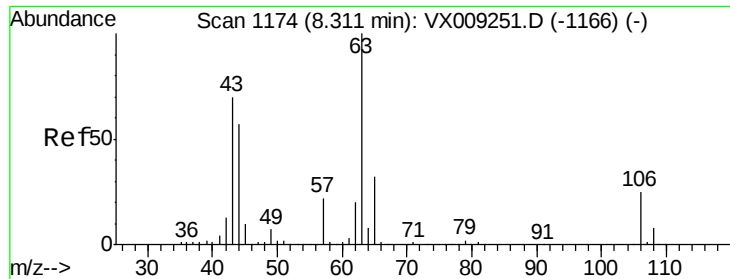
Tgt Ion:107 Resp: 41568

Ion Ratio Lower Upper

107 100

109 94.2 75.5 113.3





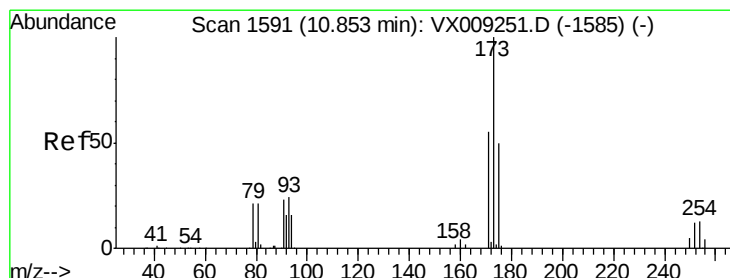
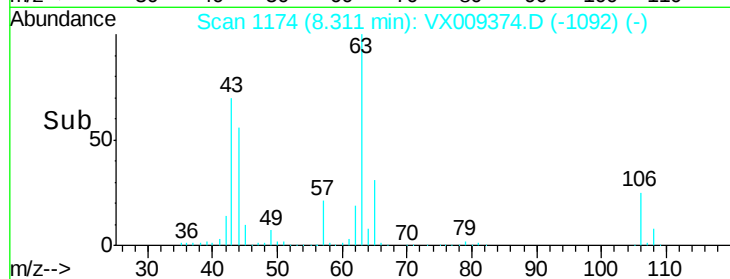
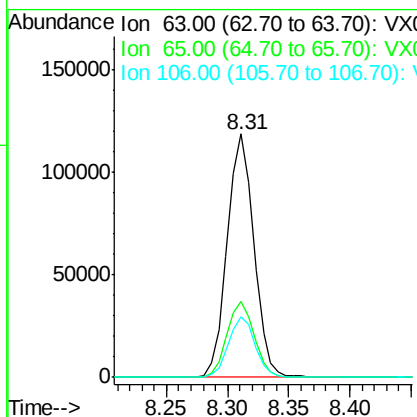
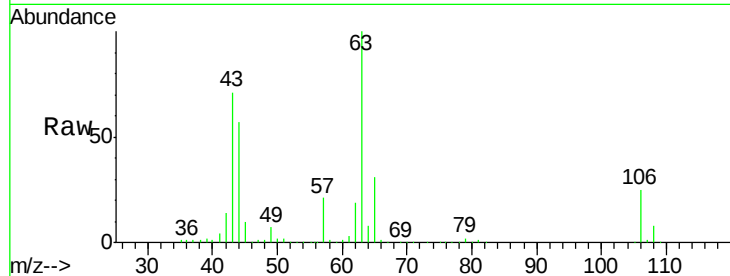
#55
2-Chloroethyl vinyl ether
Concen: 93.011 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.8	38.6
106	24.6	19.8	29.6

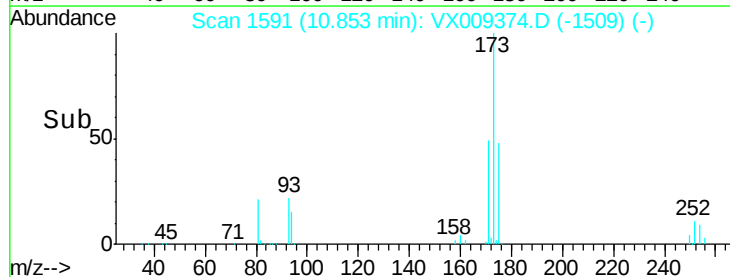
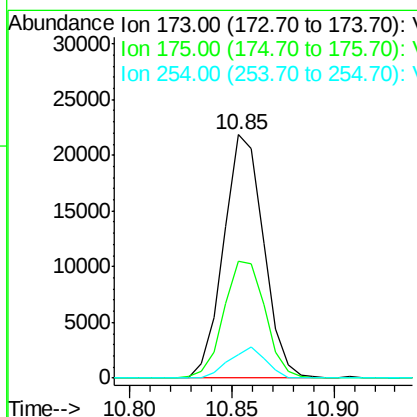
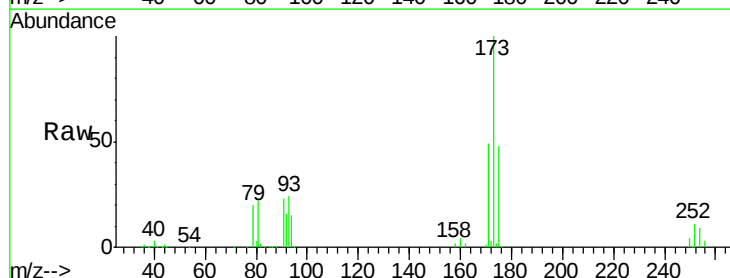
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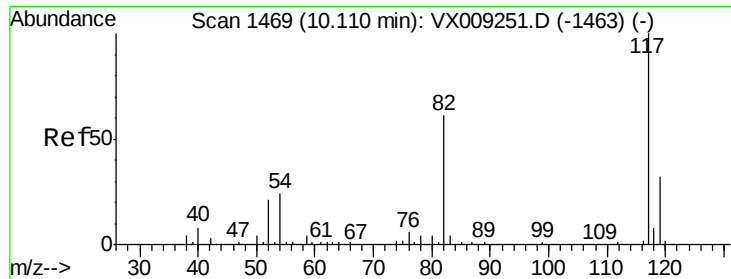
MMDadoda
5/8/2019 10:10:36 AM



#56
Bromoform
Concen: 19.810 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.7	39.4	59.2
254	11.5	9.9	14.9





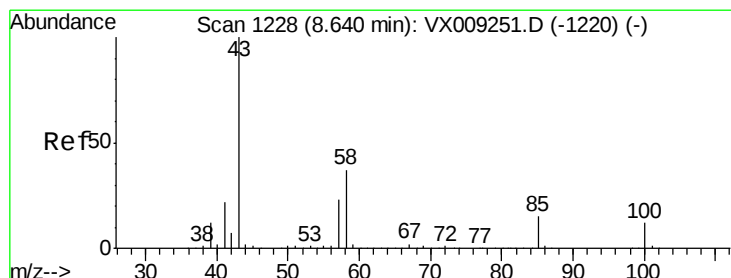
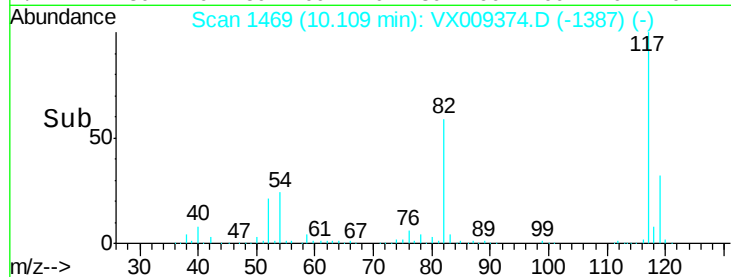
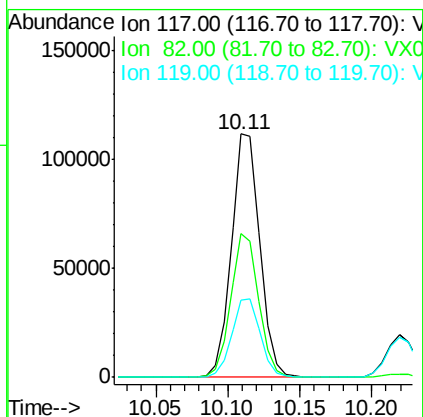
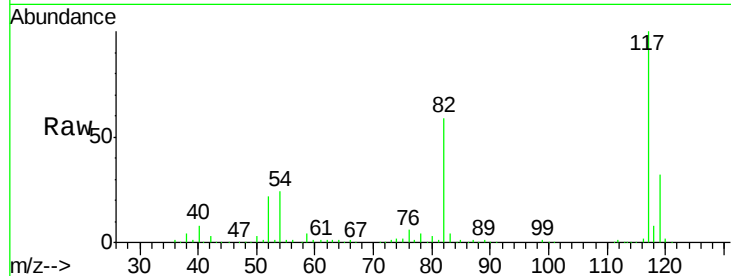
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Instrument :
MSVOA_X
ClientSampled :
VX0507WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.8	71.8
119	32.2	25.6	38.4

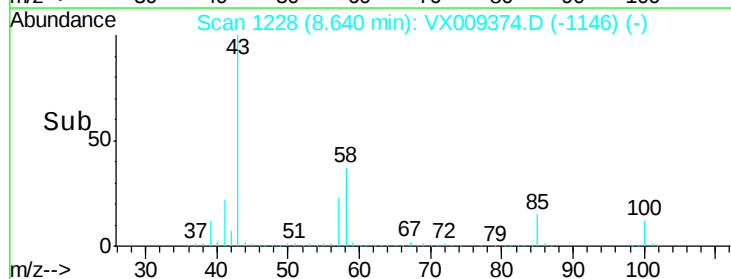
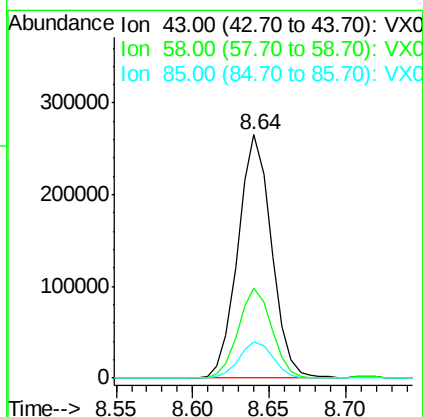
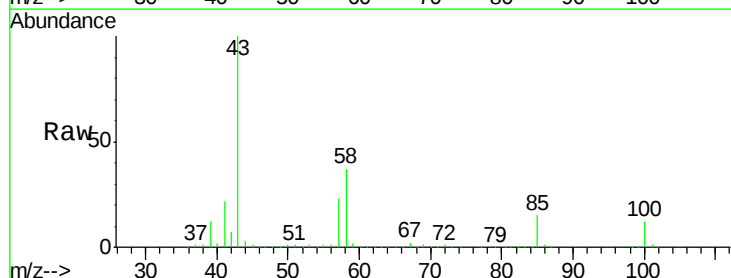
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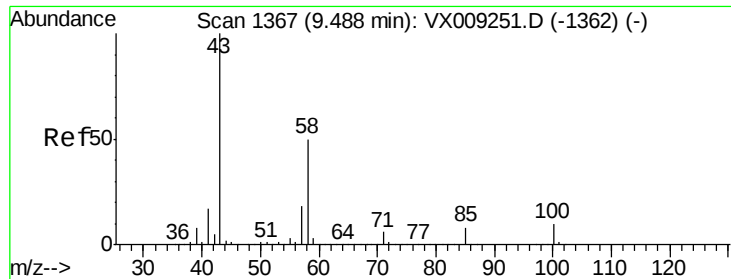
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 106.235 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.4	44.0
85	15.1	11.8	17.8





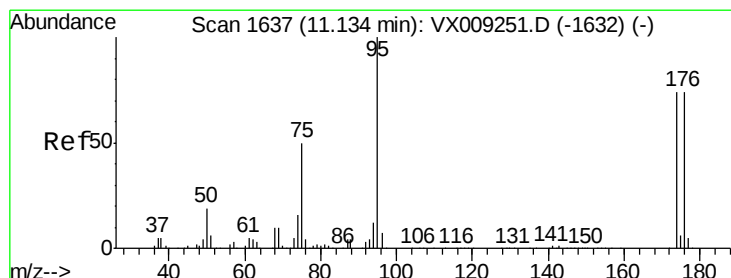
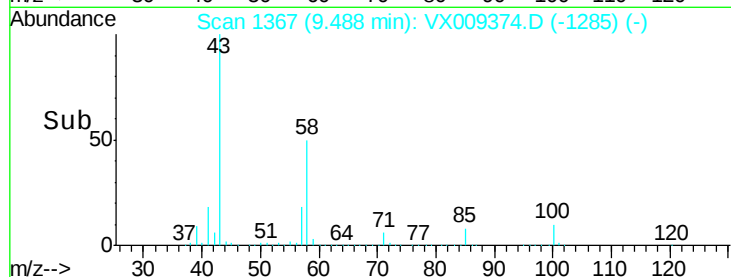
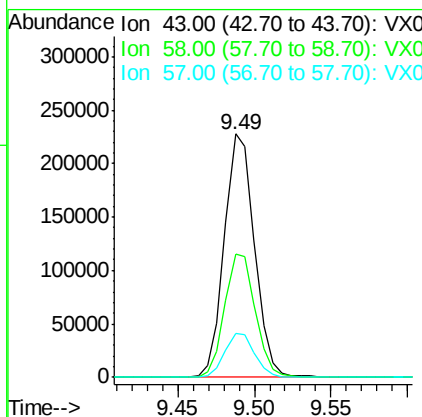
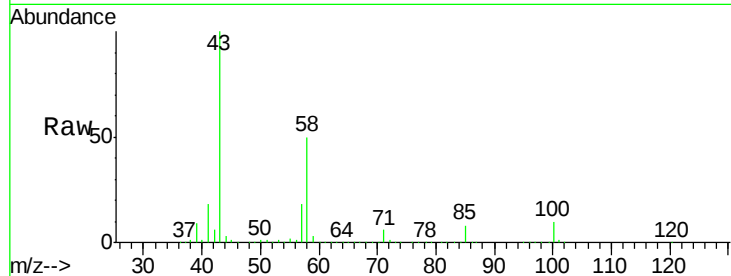
#59
2-Hexanone
Concen: 104.186 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	40.8	61.2
57	18.0	14.1	21.1

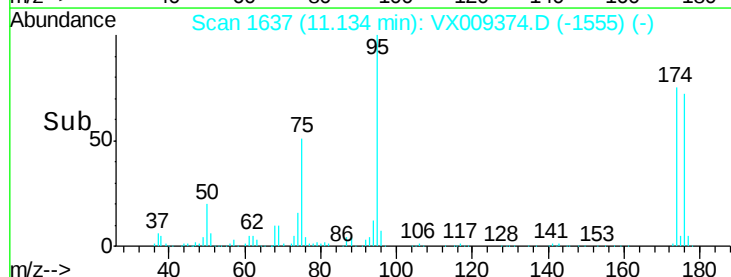
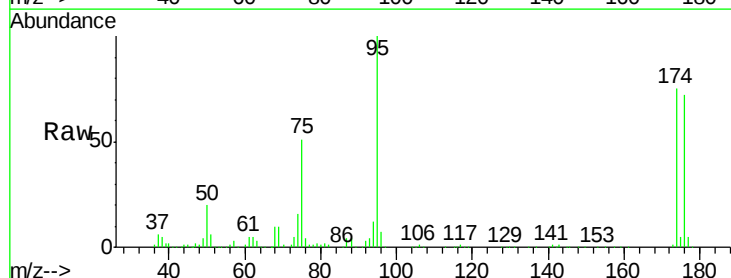
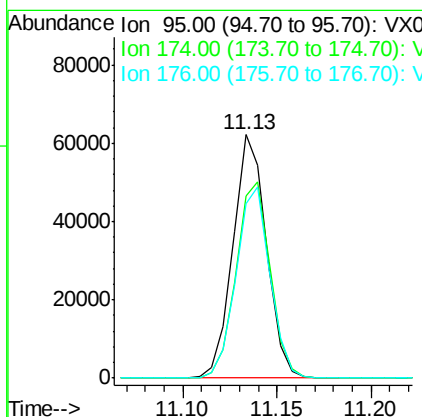
Manual Integrations
APPROVED

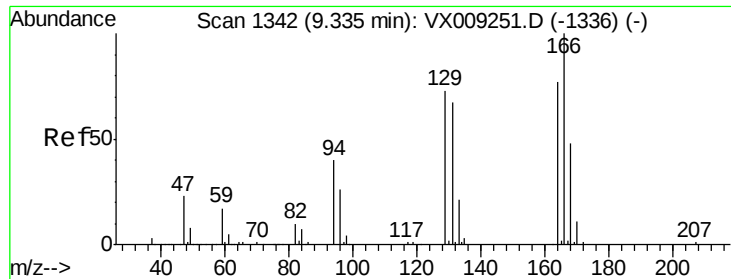
MMDadoda
5/8/2019 10:10:36 AM



#60
4-Bromofluorobenzene
Concen: 29.064 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.4	63.6	95.4
176	79.7	62.4	93.6





#61

Tetrachloroethene

Concen: 20.229 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

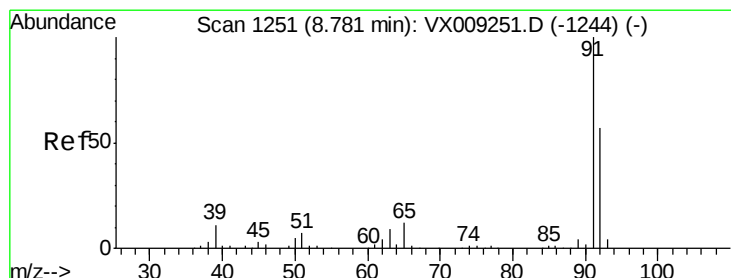
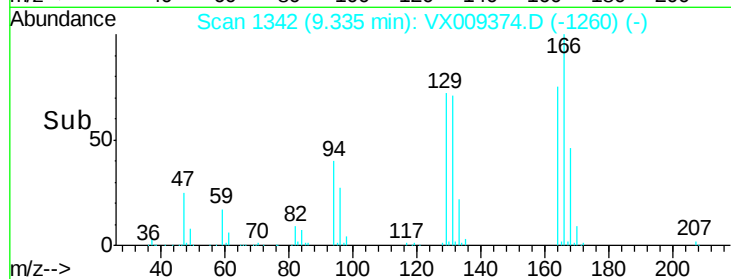
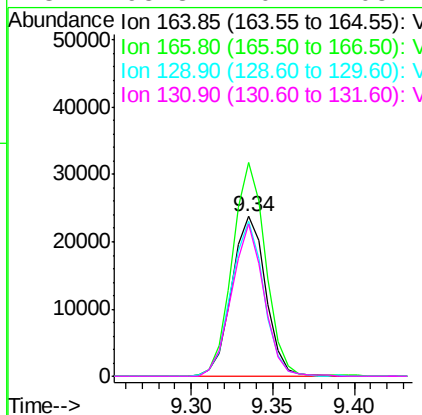
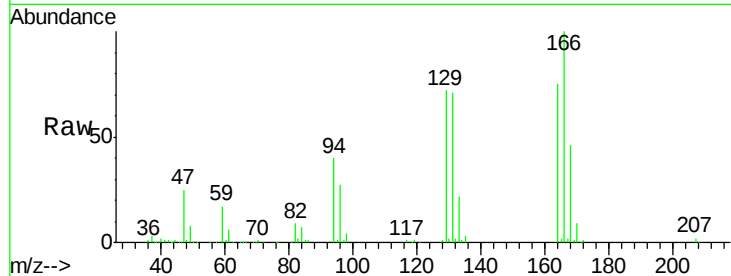
ClientSampleId :

VX0507WBSD01

Tot Ion:	164	Resp:	34567
Ion	Ratio	Lower	Upper
164	100		
166	133.5	104.1	156.1
129	96.6	76.0	114.0
131	95.3	70.1	105.1

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5/8/2019 10:10:36 AM



#62

Toluene

Concen: 20.683 ug/l

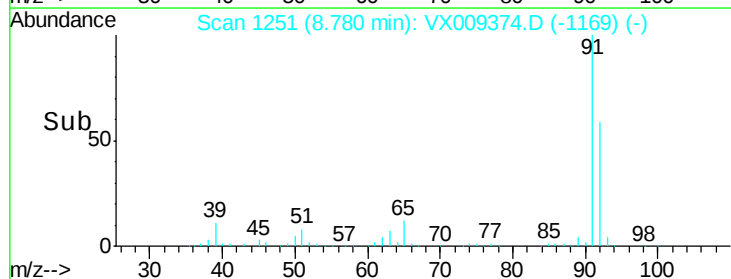
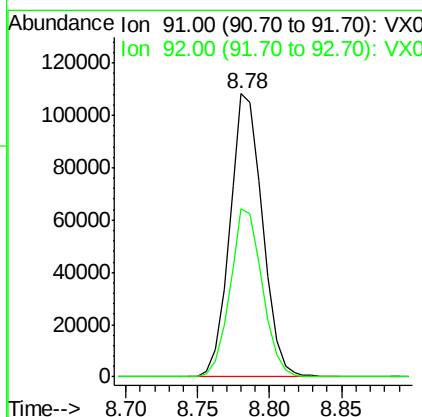
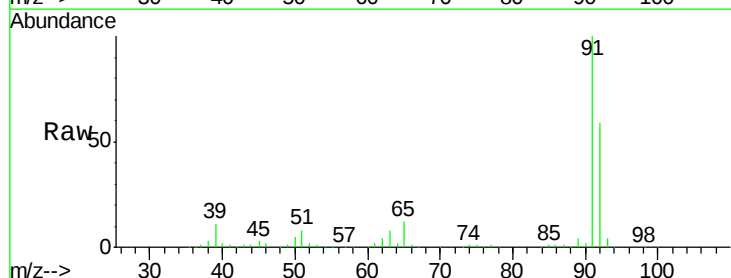
RT: 8.78 min Scan# 1251

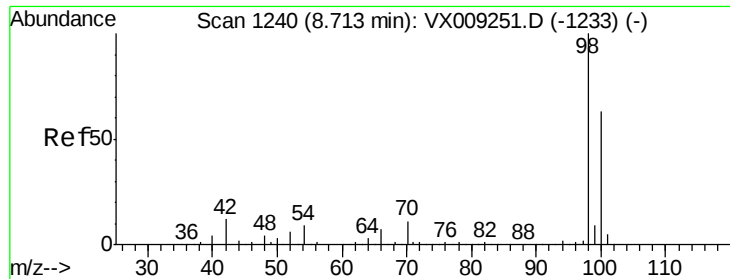
Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Tgt Ion:	91	Resp:	171311
Ion	Ratio	Lower	Upper
91	100		
92	58.5	46.1	69.1





#63

Toluene-d8

Concen: 29.955 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBSD01

Tot Ion: 98 Resp: 220143

Ion Ratio Lower Upper

98 100

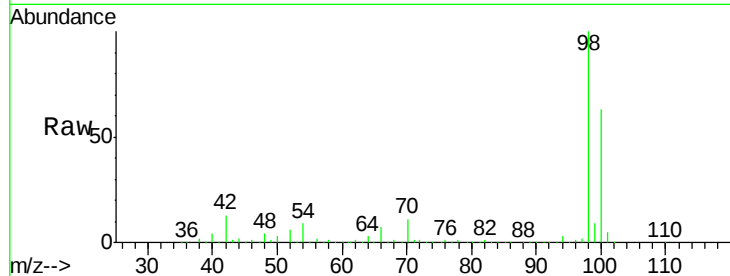
100 64.4 52.3 78.5

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

150000

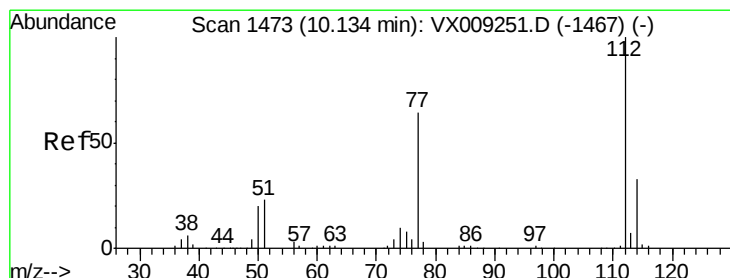
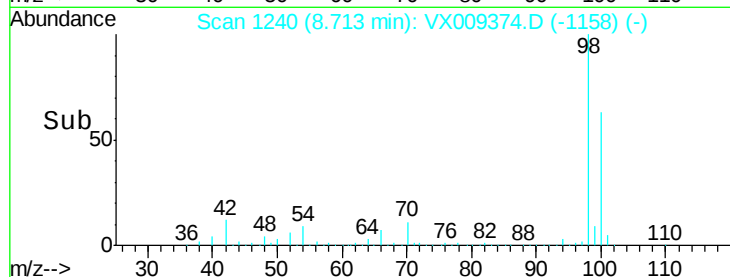
100000

50000

0

8.65 8.70 8.75

Time-->



#64

Chlorobenzene

Concen: 20.688 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009374.D

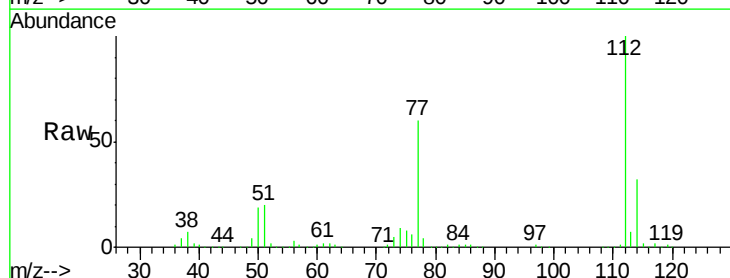
Acq: 07 May 2019 13:11

Tgt Ion: 112 Resp: 103127

Ion Ratio Lower Upper

112 100

114 32.1 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

80000

60000

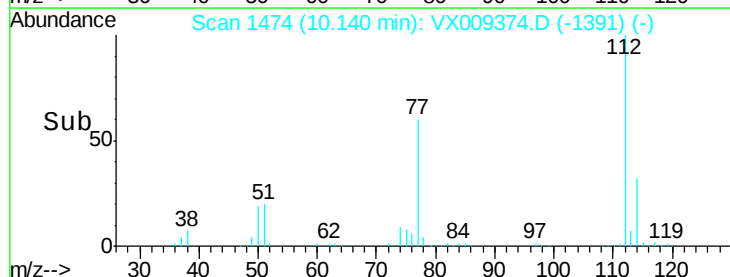
40000

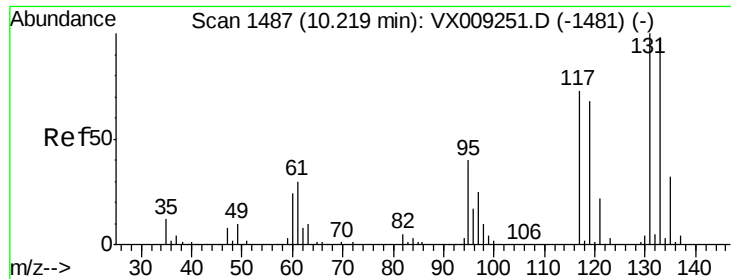
20000

0

10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.781 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

ClientSampled :

VX0507WBSD01

Tot Ion:131 Resp: 37930

Ion Ratio Lower Upper

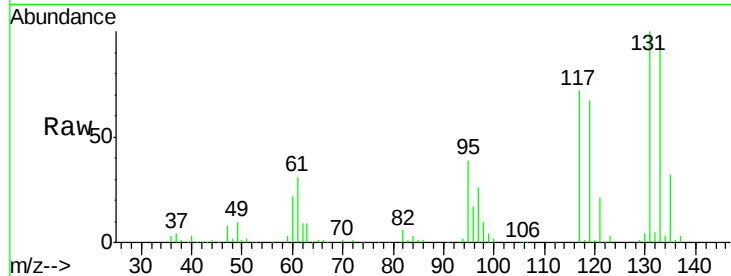
131 100

133 95.1 0.0 191.2

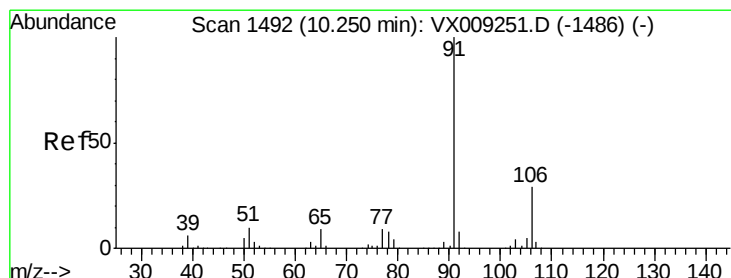
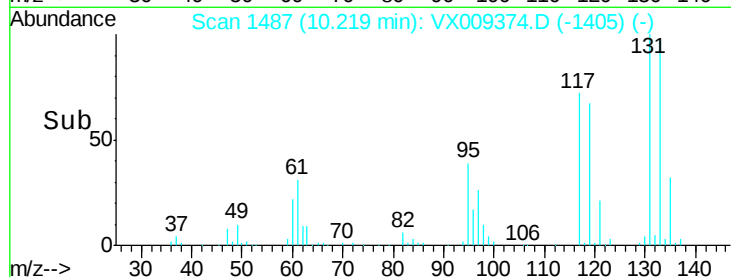
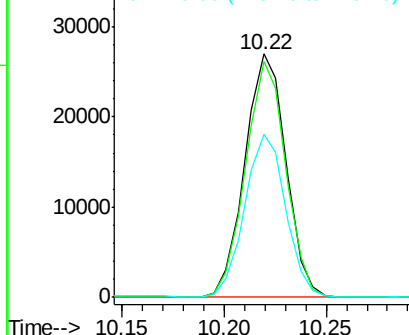
119 66.7 0.0 135.4

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Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.229 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009374.D

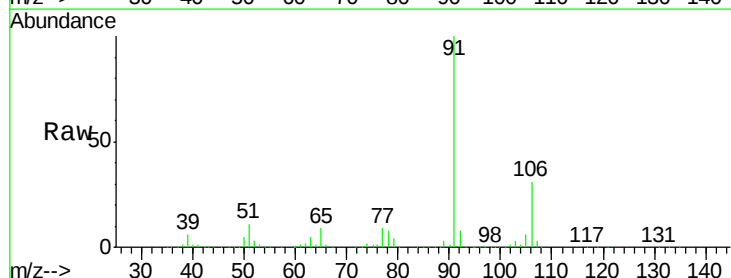
Acq: 07 May 2019 13:11

Tgt Ion: 91 Resp: 186661

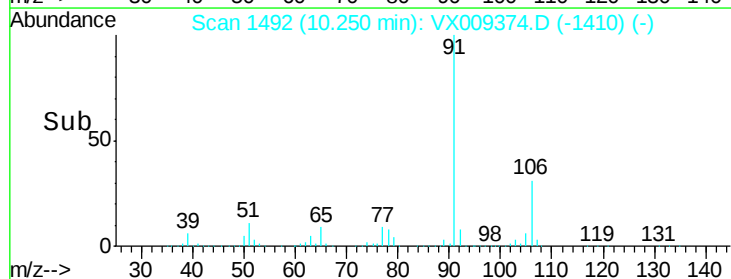
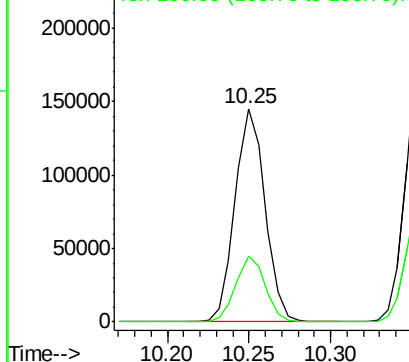
Ion Ratio Lower Upper

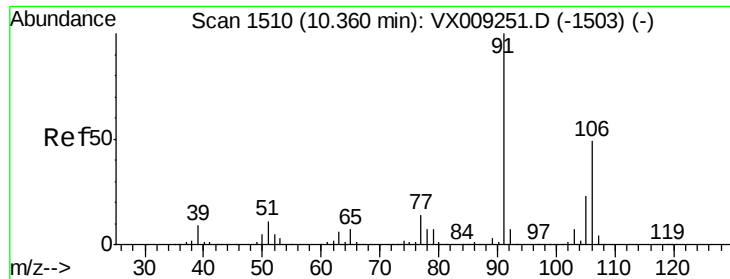
91 100

106 30.6 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





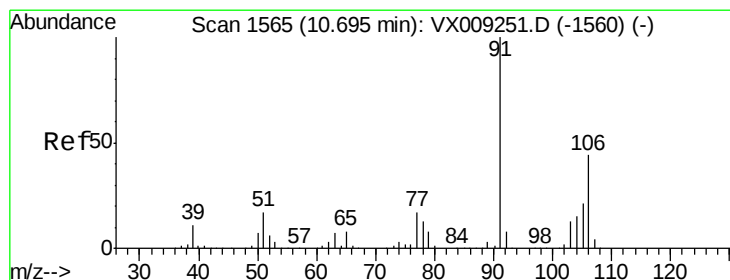
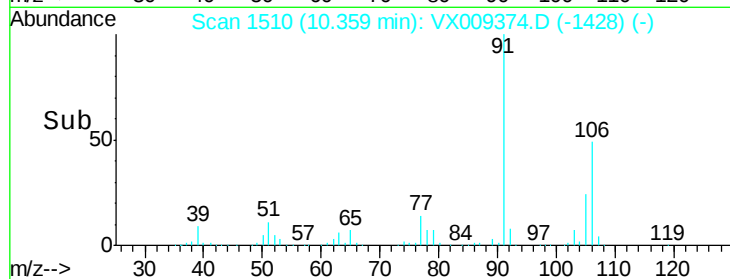
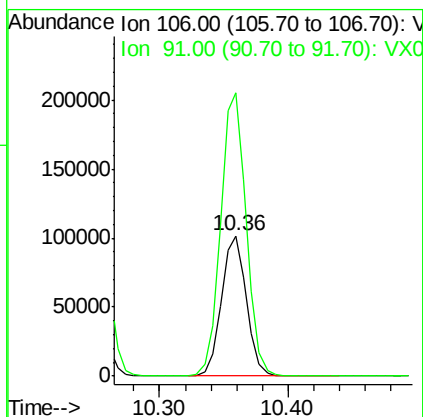
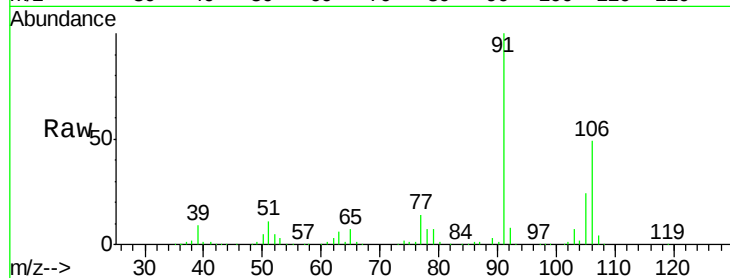
#67
m/p-Xvlenes
Concen: 41.005 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBSD01

Tot Ion:106 Resp: 138143
Ion Ratio Lower Upper
106 100
91 206.2 166.8 250.2

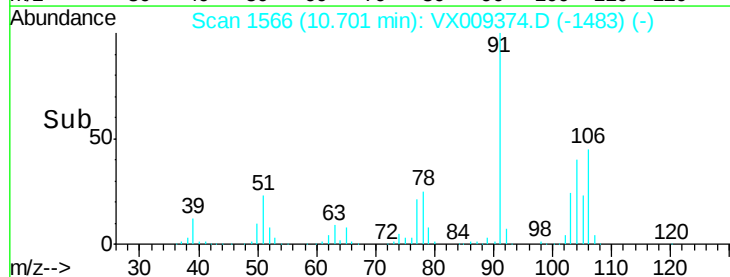
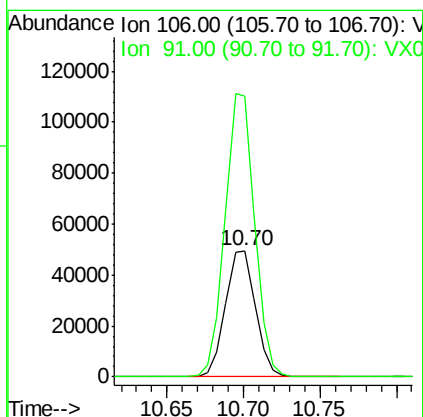
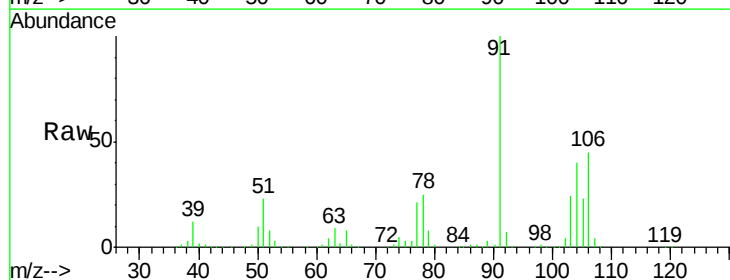
Manual Integrations
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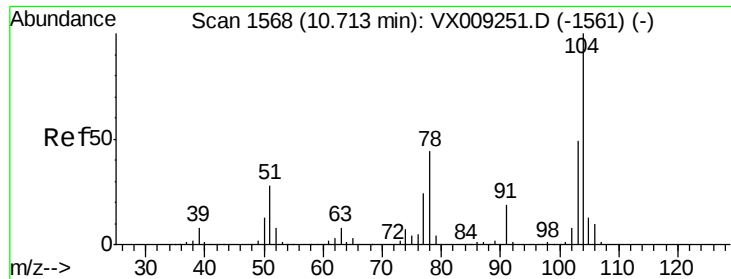
MMDadoda
5/8/2019 10:10:36 AM



#68
o-Xylene
Concen: 20.373 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Tgt Ion:106 Resp: 67487
Ion Ratio Lower Upper
106 100
91 220.4 110.8 332.3





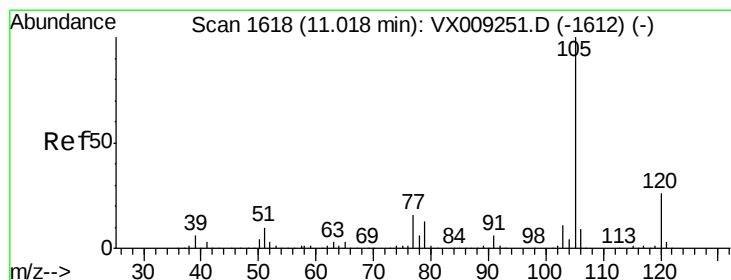
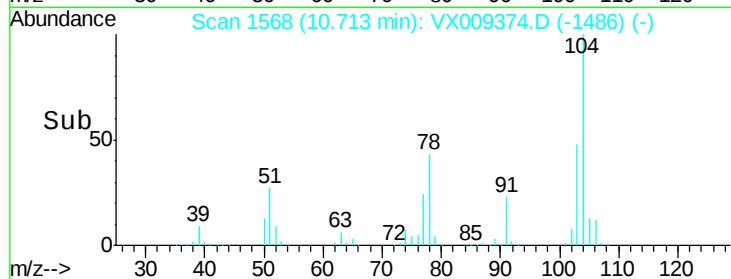
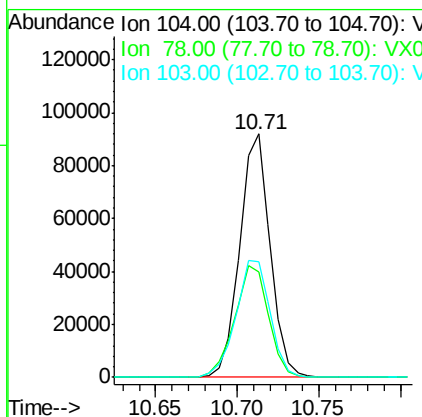
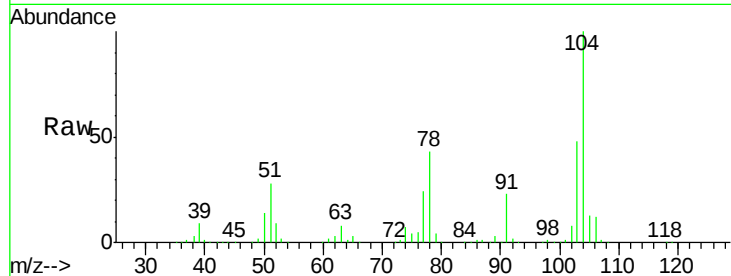
#69
Stvrene
Concen: 20.563 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.1	61.7
103	54.3	43.8	65.8

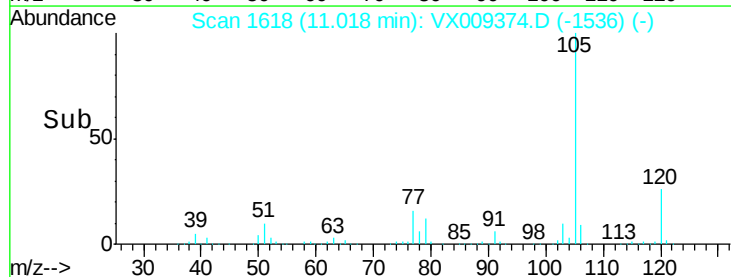
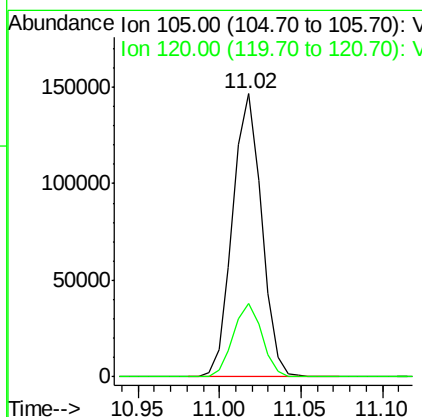
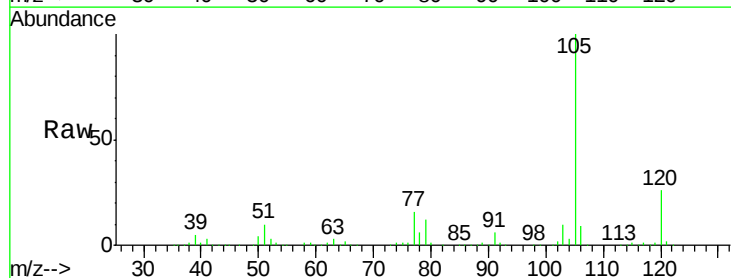
Manual Integrations
APPROVED

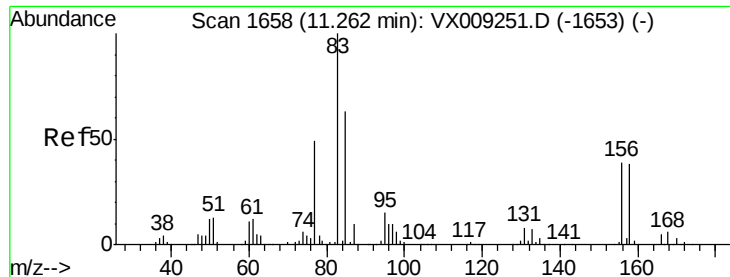
MMDadoda
5/8/2019 10:10:36 AM



#70
Isopropylbenzene
Concen: 20.457 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.1	33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 21.057 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

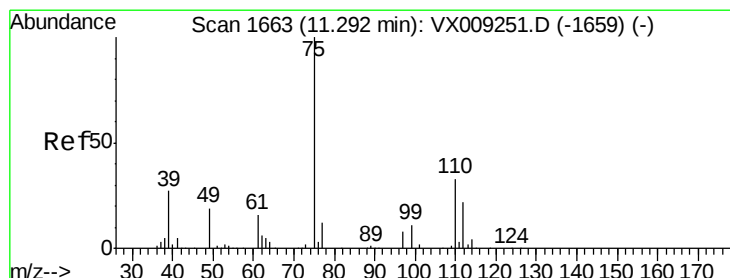
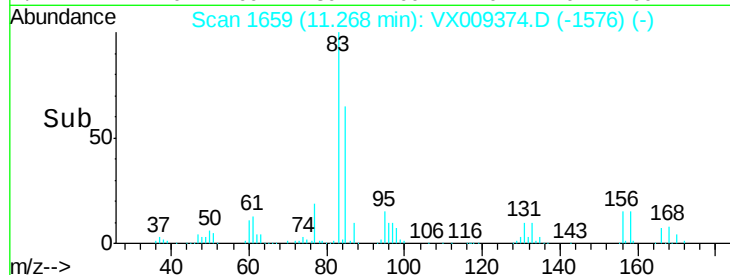
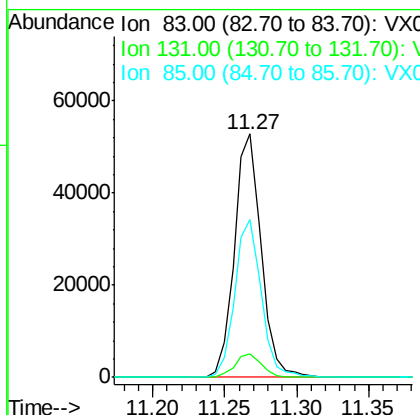
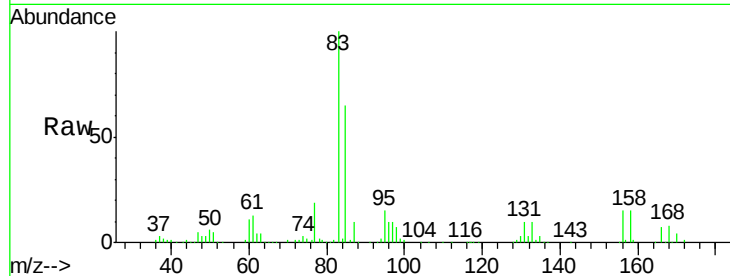
ClientSampled :

VX0507WBSD01

Tot Ion:	83	Resp:	68704
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.7	14.0
85	64.2	32.4	97.2

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#72

1,2,3-Trichloropropane

Concen: 21.173 ug/l m

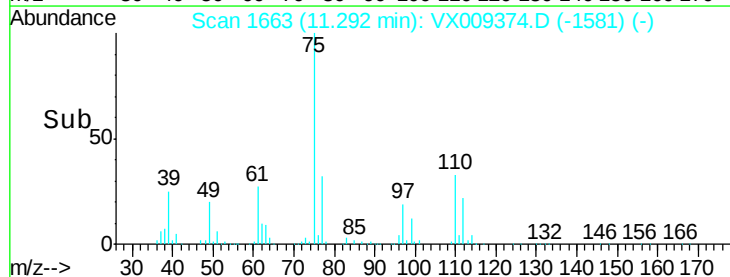
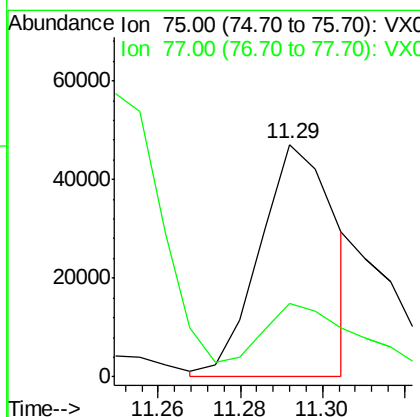
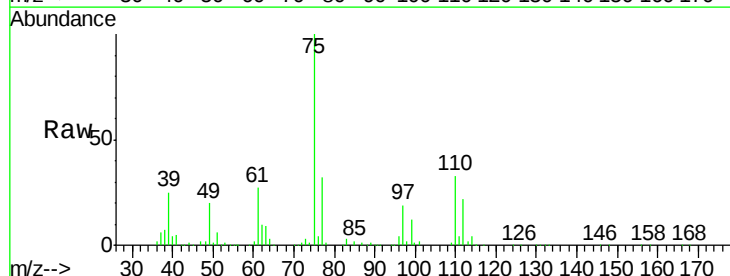
RT: 11.29 min Scan# 1663

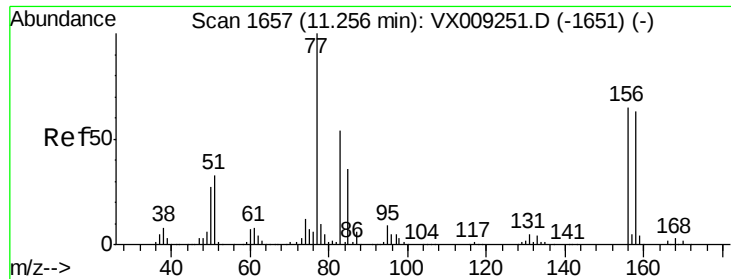
Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Tgt Ion:	75	Resp:	59530
Ion Ratio	Lower	Upper	
75	100		
77	43.2	0.0	86.4





#73

Bromobenzene

Concen: 20.487 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

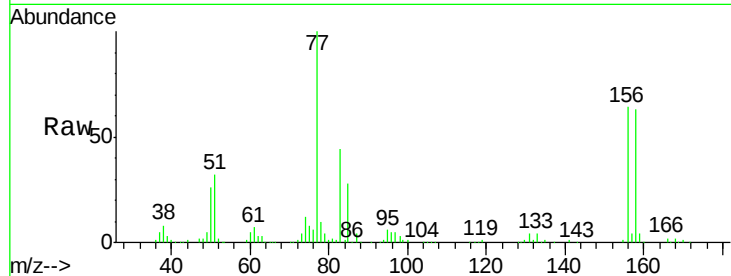
ClientSampleId :

VX0507WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		45096		
77	167.4	0.0	335.6		
158	95.6	0.0	191.2		

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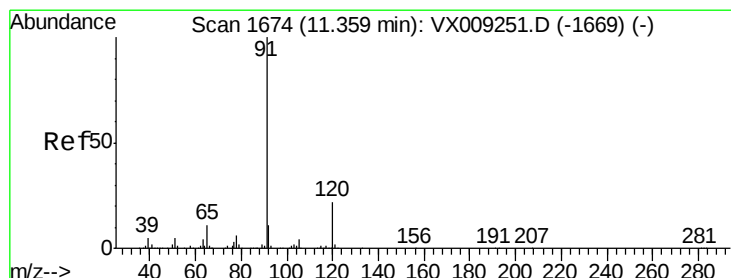
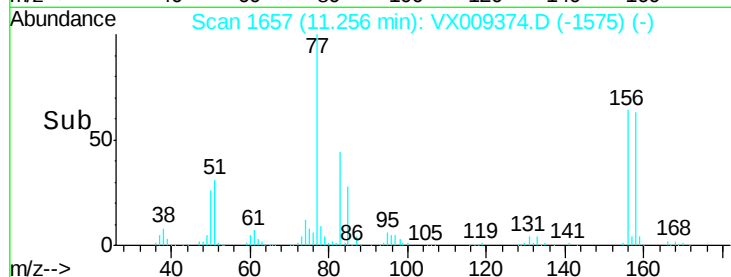
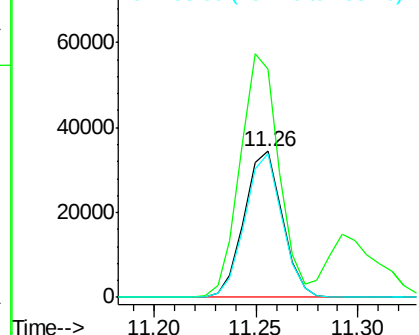
MMDadoda
5/8/2019 10:10:36 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.158 ug/l

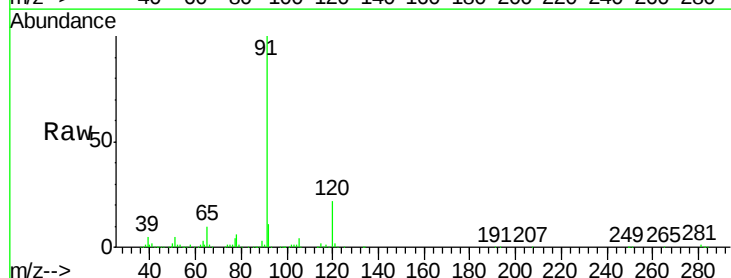
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009374.D

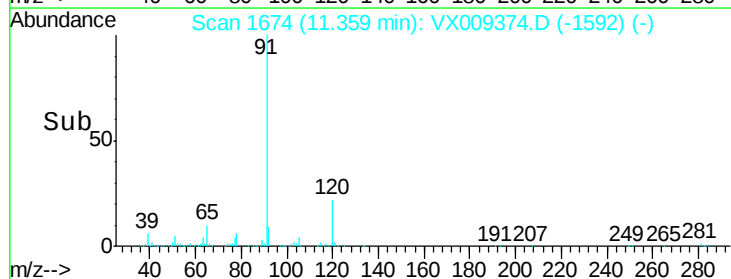
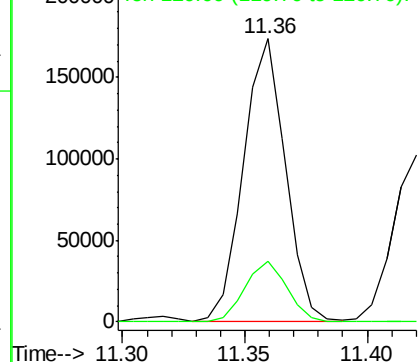
Acq: 07 May 2019 13:11

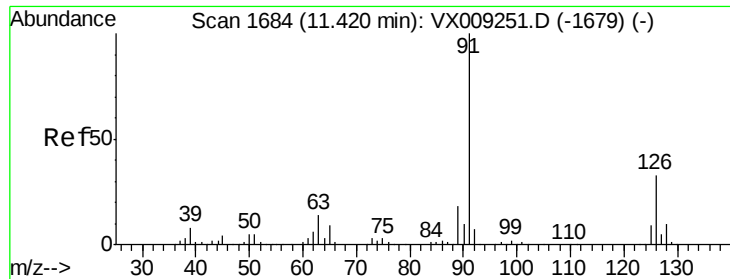
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		208109		
120	21.8	0.0	43.4		



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.511 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

ClientSampled :

VX0507WBSD01

Tot Ion: 91 Resp: 127011

Ion Ratio Lower Upper

91 100

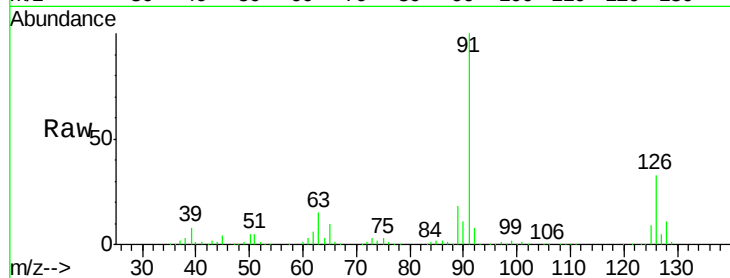
126 32.0 0.0 64.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX009251.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX009251.D (-1679) (-)

200000

150000

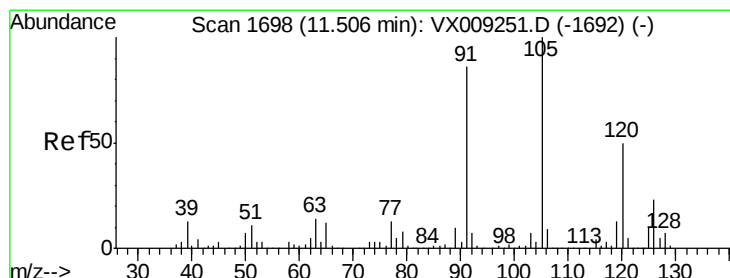
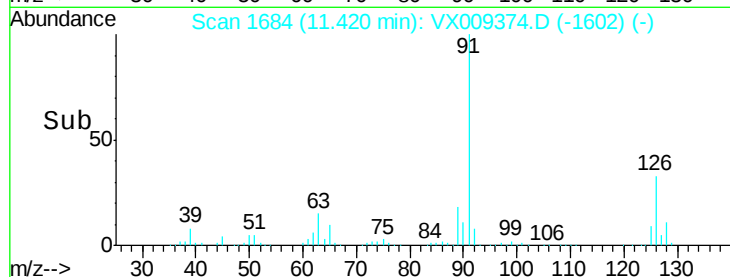
100000

50000

0

11.40 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.298 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009374.D

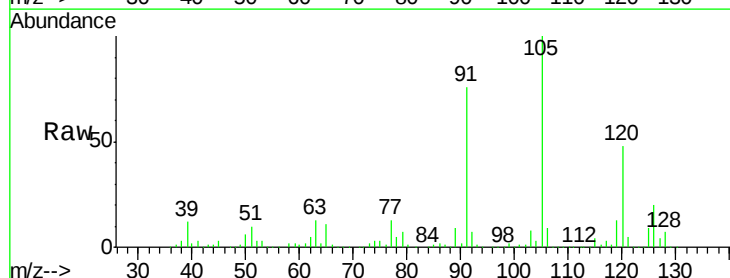
Acq: 07 May 2019 13:11

Tgt Ion:105 Resp: 153182

Ion Ratio Lower Upper

105 100

120 48.7 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009251.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009251.D (-1692) (-)

150000

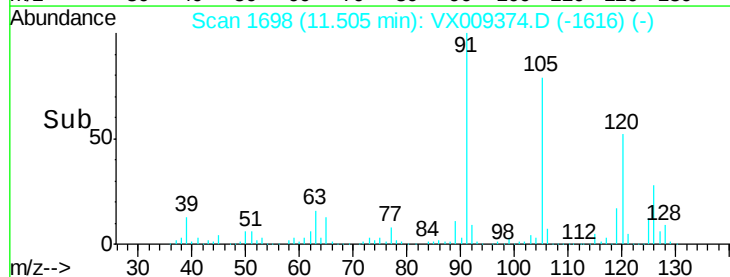
100000

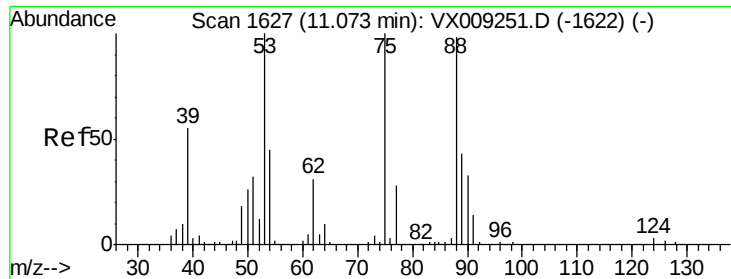
50000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 19.413 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

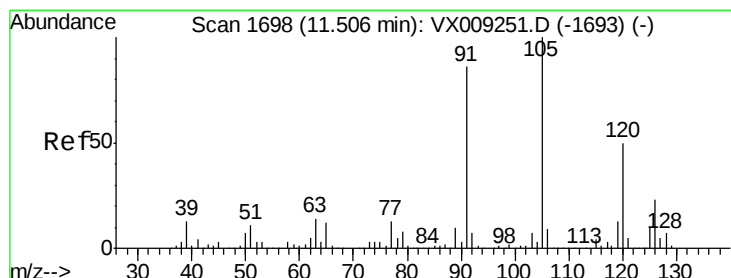
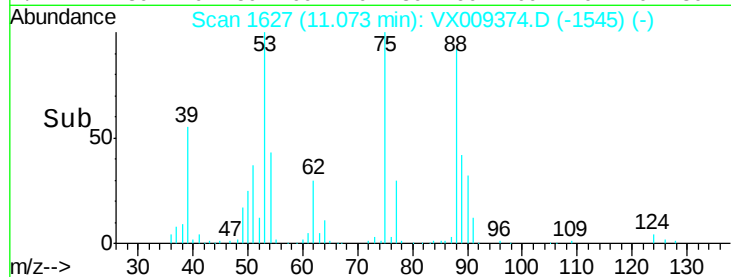
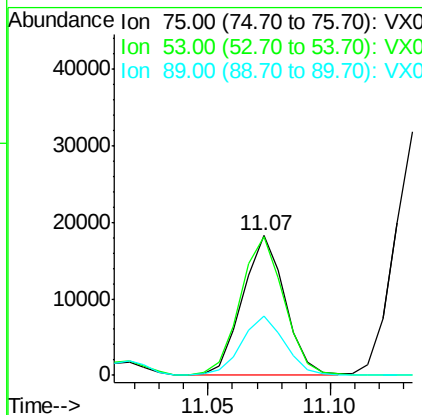
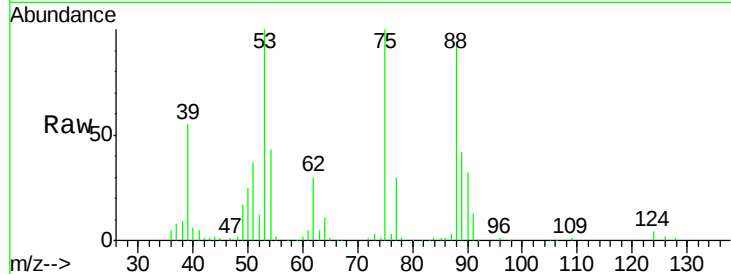
ClientSampled :

VX0507WBSD01

Tot Ion:	75	Resp:	22017
Ion	Ratio	Lower	Upper
75	100		
53	99.3	50.0	149.8
89	42.5	21.6	65.0

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#78

4-Chlorotoluene

Concen: 19.901 ug/l

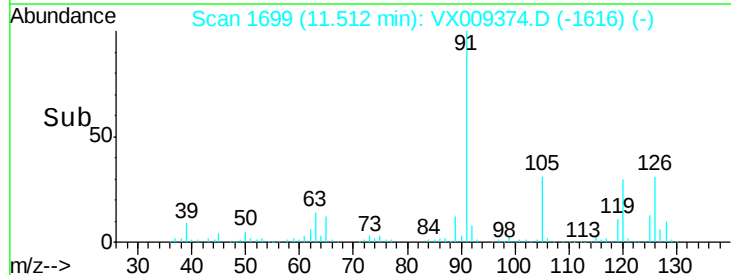
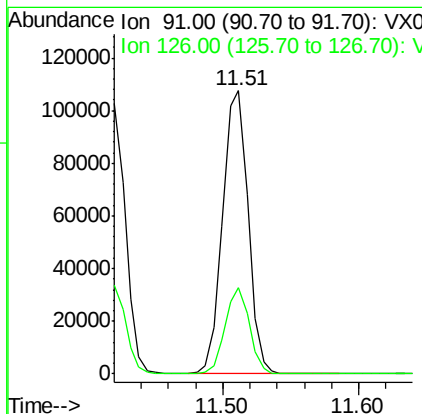
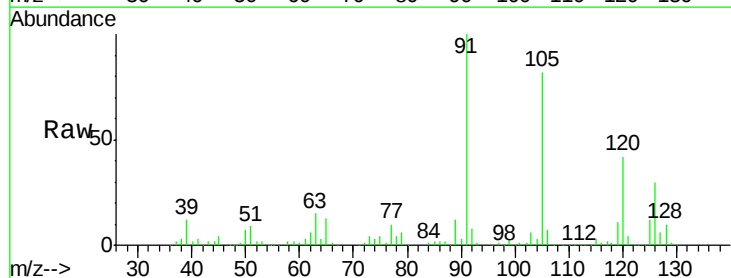
RT: 11.51 min Scan# 1699

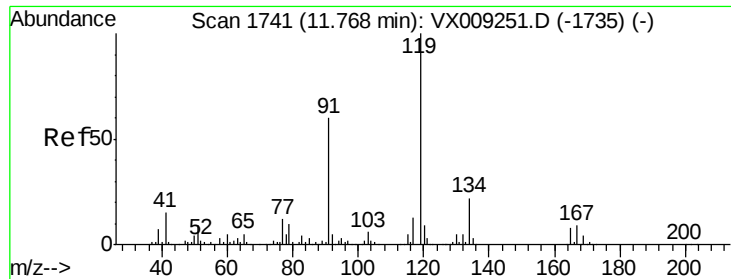
Delta R.T. 0.01 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Tgt Ion:	91	Resp:	139962
Ion	Ratio	Lower	Upper
91	100		
126	29.0	0.0	57.0





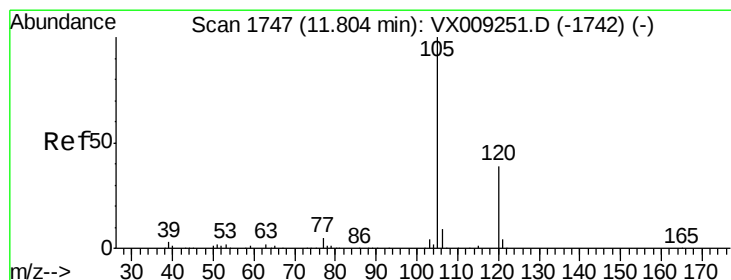
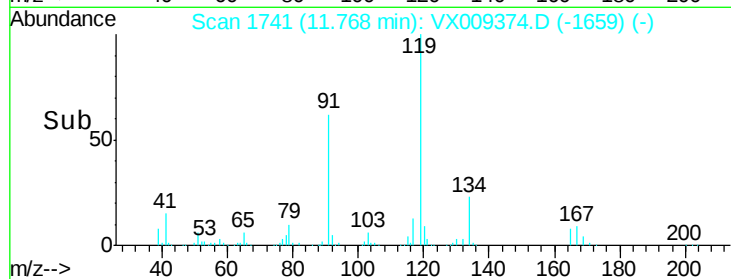
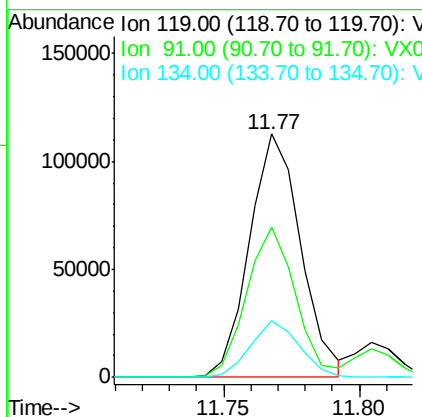
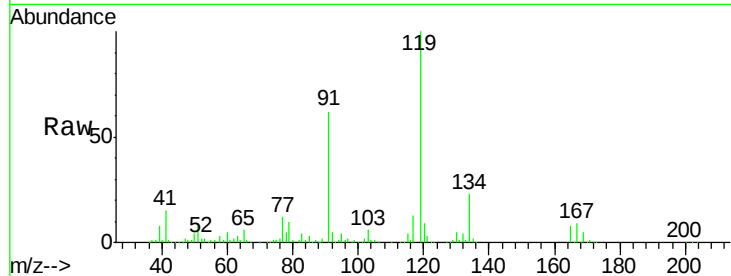
#79
tert-butylbenzene
Concen: 20.197 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	147346		
91	59.1	0.0	118.2	
134	22.3	0.0	45.0	

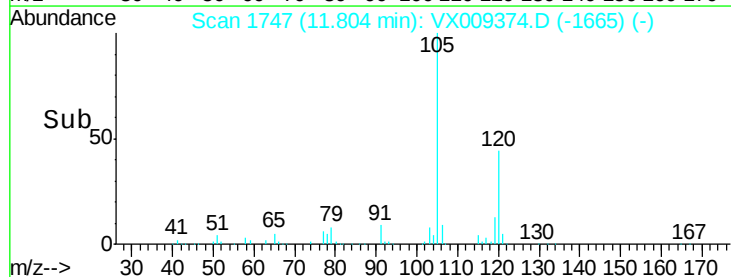
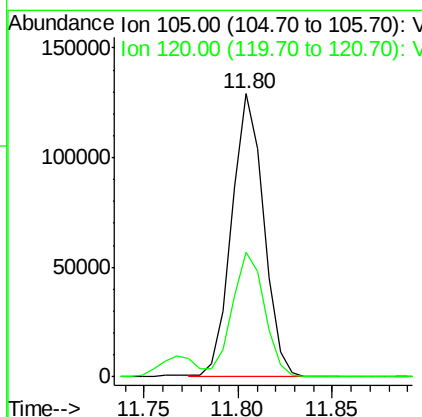
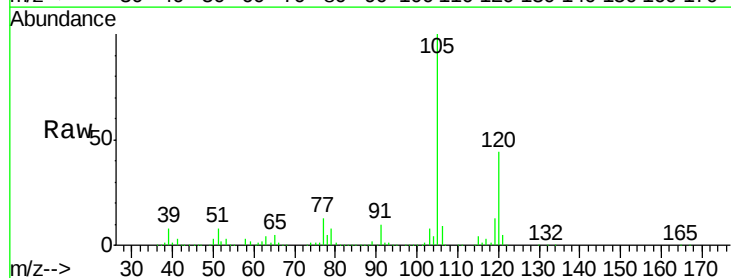
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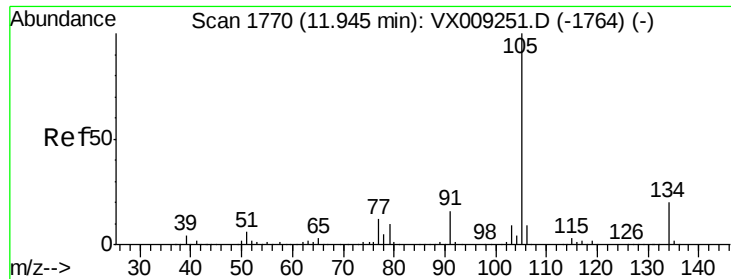
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#80
1,2,4-Trimethylbenzene
Concen: 20.119 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009374.D
Acq: 07 May 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	152170		
120	43.9	0.0	89.6	





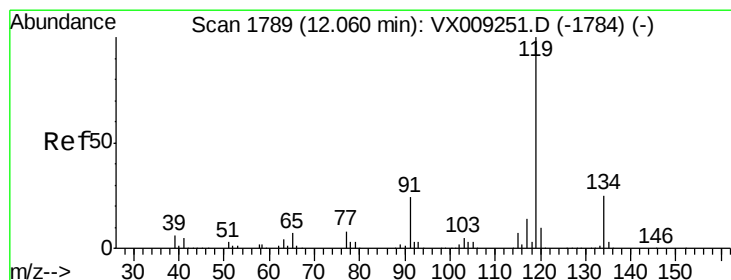
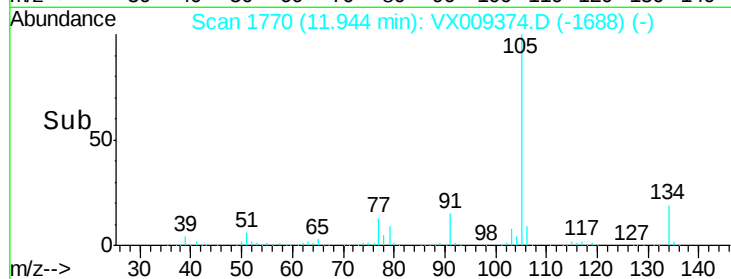
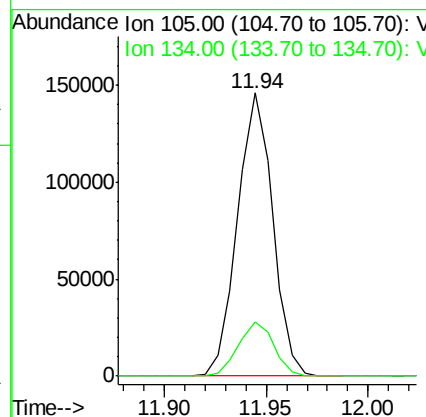
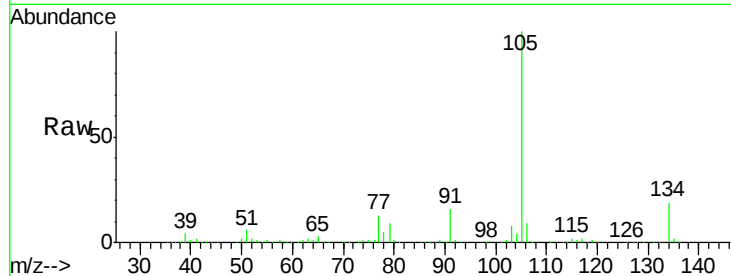
#81
 sec-Butylbenzene
 Concen: 20.124 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	0.0	38.6

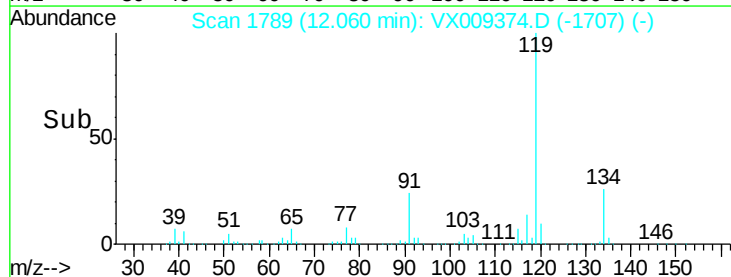
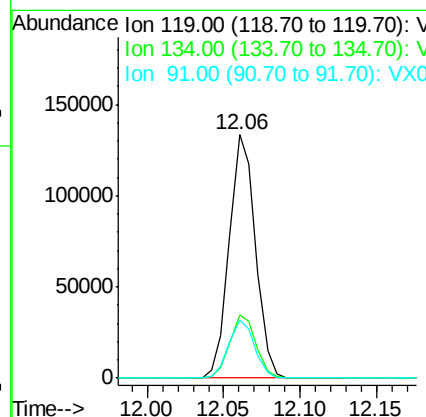
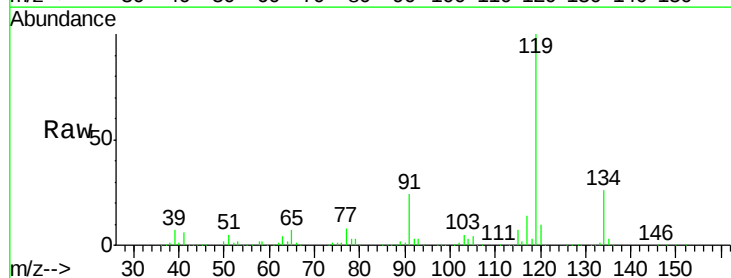
Manual Integrations
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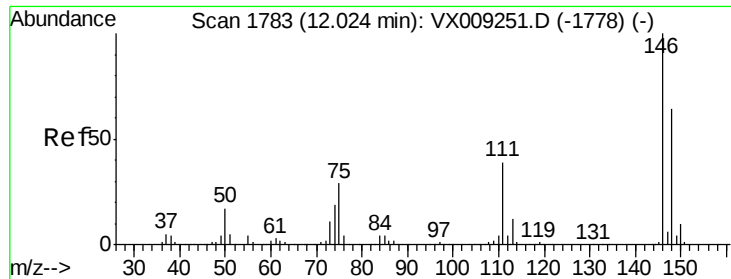
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 5/8/2019 10:10:36 AM



#82
 p-Isopropyltoluene
 Concen: 20.081 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	0.0	50.8
91	23.5	0.0	47.2





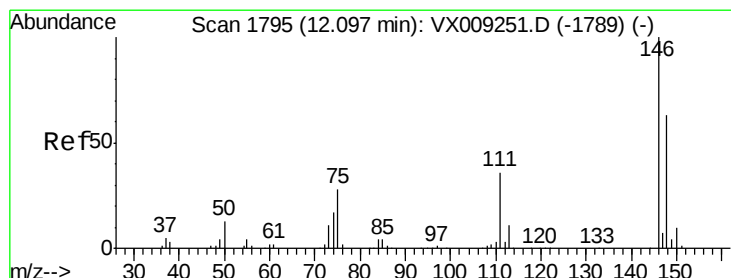
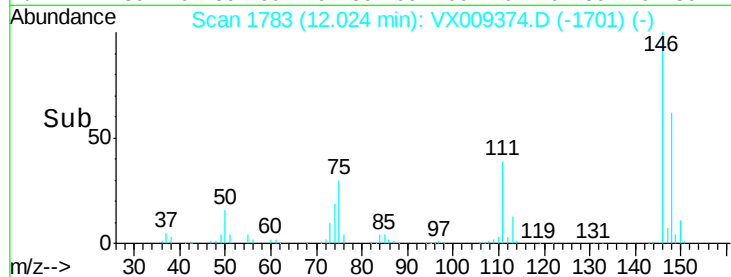
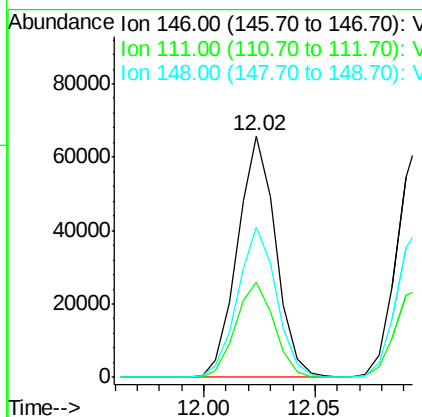
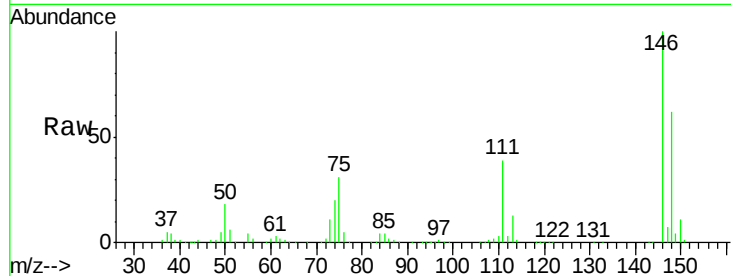
#83
 1,3-Dichlorobenzene
 Concen: 20.011 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Instrument :
 MSVOA_X
 ClientSampled :
 VX0507WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	63.1	32.2	96.6

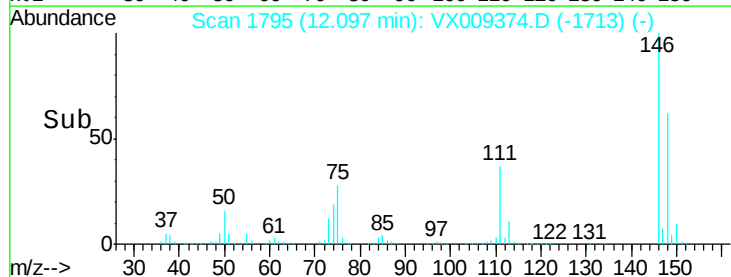
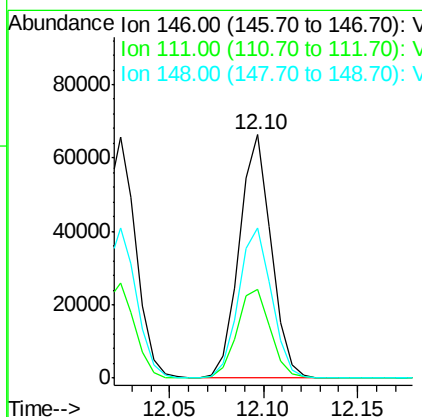
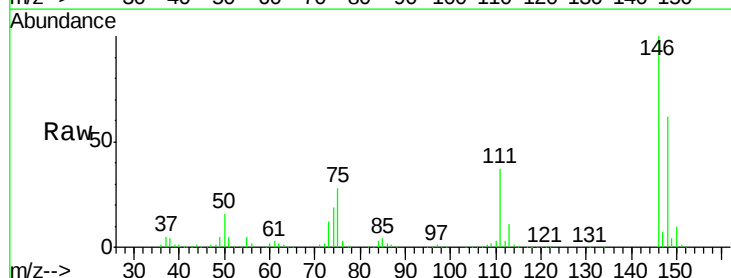
Manual Integrations
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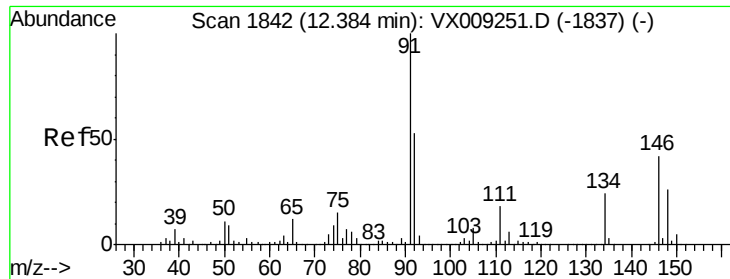
MMDadoda
 5/8/2019 10:10:36 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.866 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.6	58.7
148	64.2	32.3	96.8





#85

n-Butylbenzene

Concen: 19.469 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

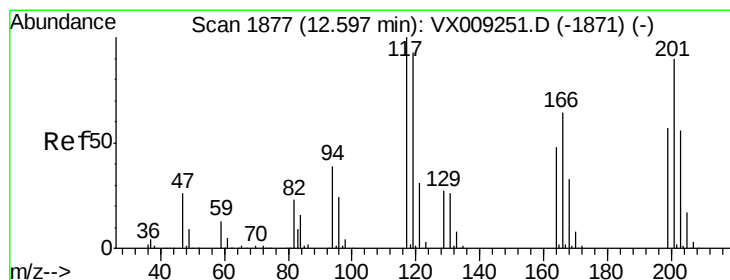
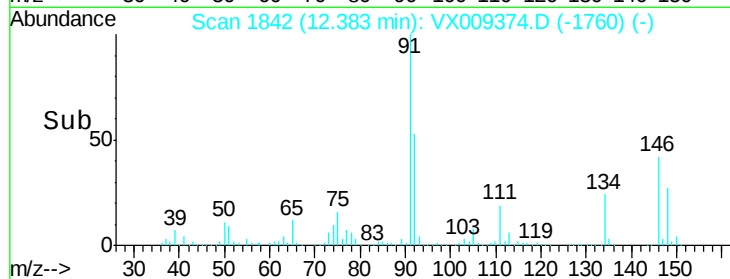
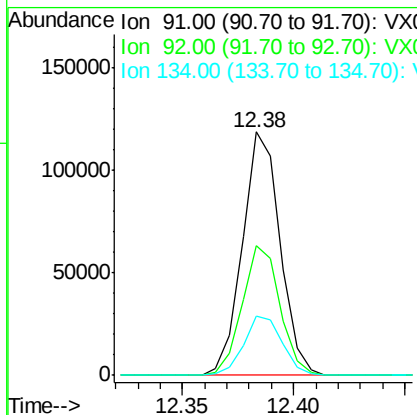
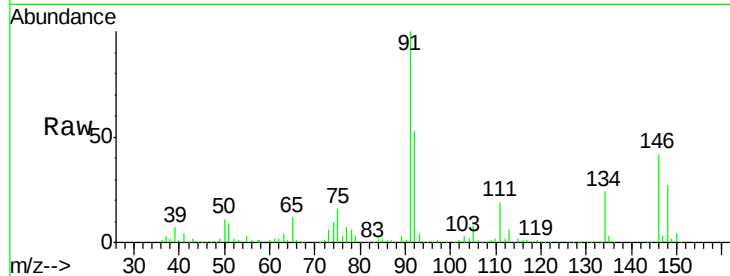
ClientSampleId :

VX0507WBSD01

Tot Ion:	91	Resp:	140459
Ion Ratio	Lower	Upper	
91	100		
92	53.2	0.0	106.6
134	24.8	0.0	50.0

Manual Integrations
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#86

Hexachloroethane

Concen: 20.067 ug/l

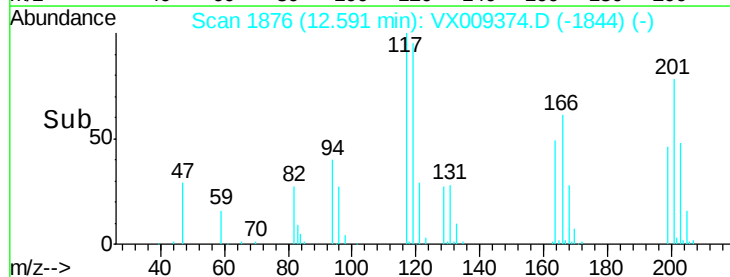
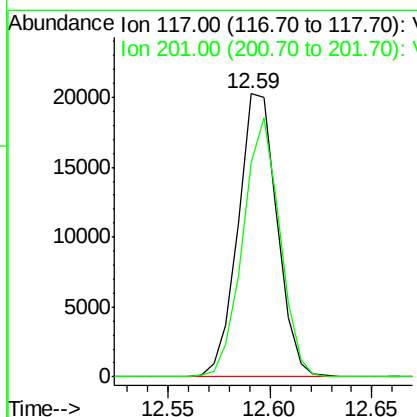
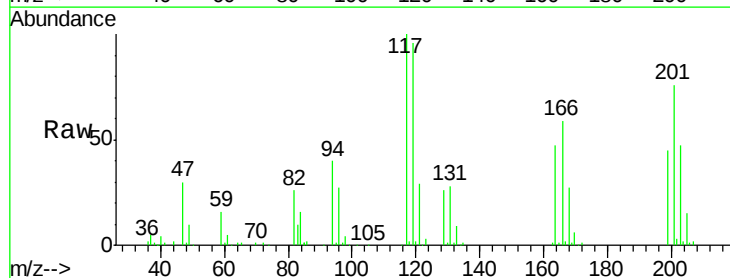
RT: 12.59 min Scan# 1876

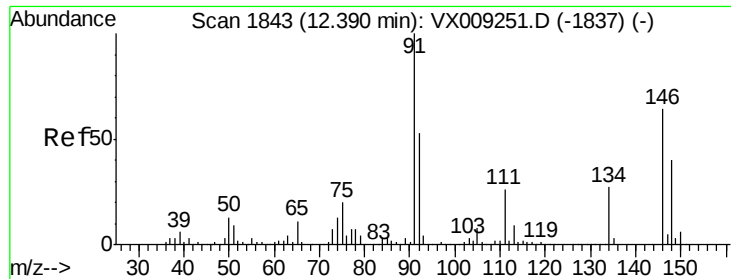
Delta R.T. -0.01 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Tgt Ion:	117	Resp:	26923
Ion Ratio	Lower	Upper	
117	100		
201	86.6	41.8	125.4





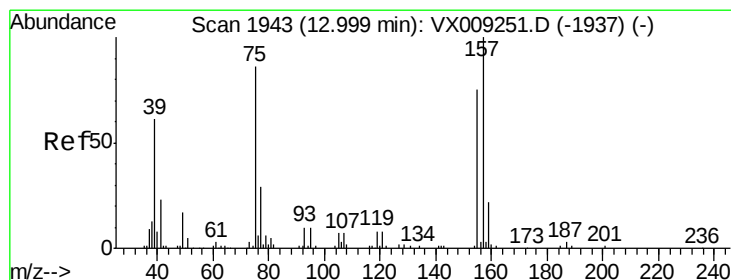
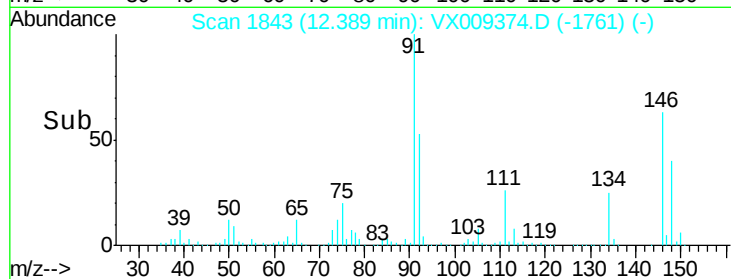
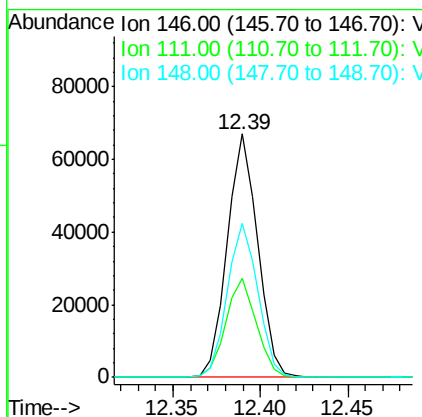
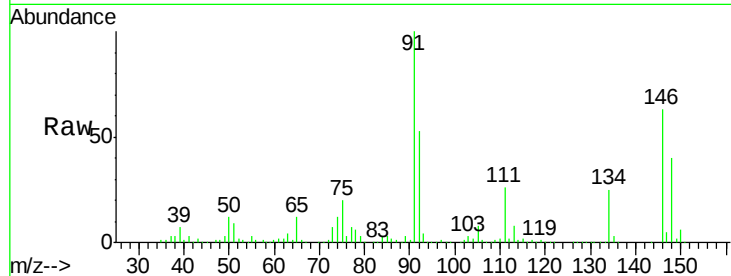
#87
 1,2-Dichlorobenzene
 Concen: 20.506 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.2
148	63.6	31.4	94.3

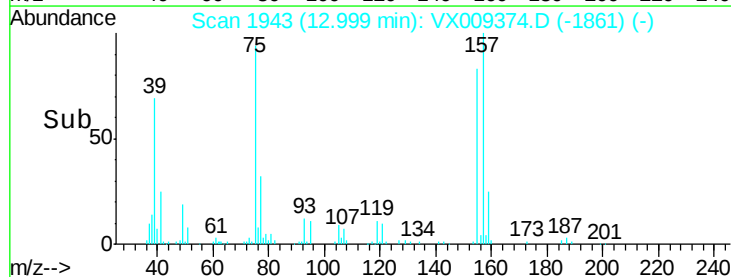
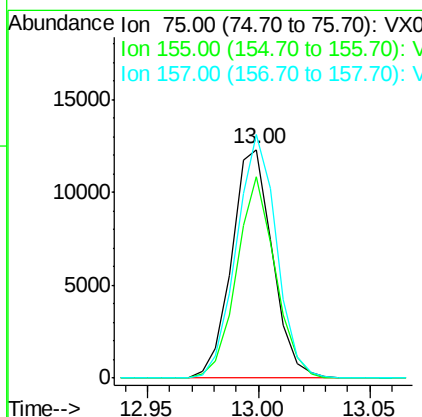
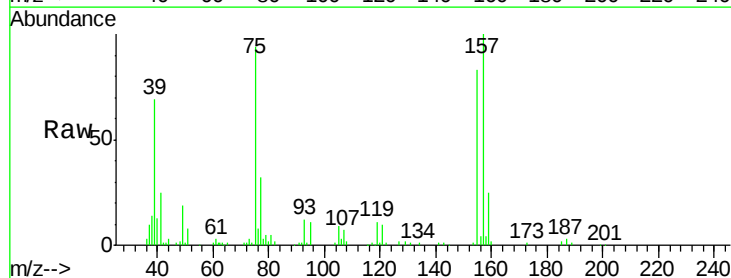
Manual Integrations
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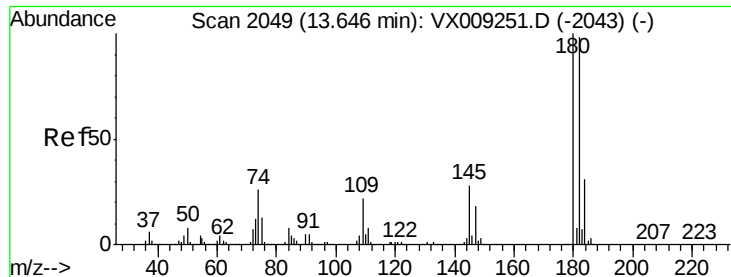
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.810 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	65.9	98.9
157	104.5	85.2	127.8





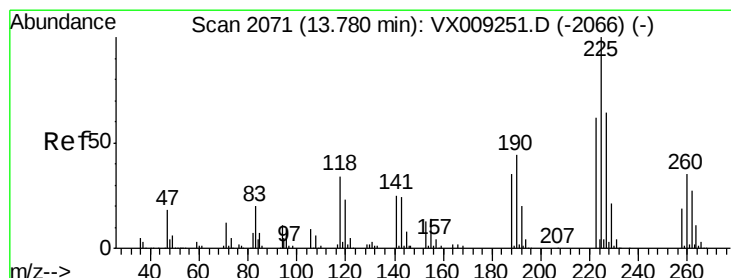
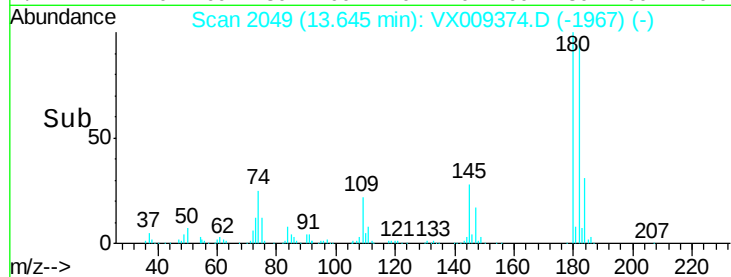
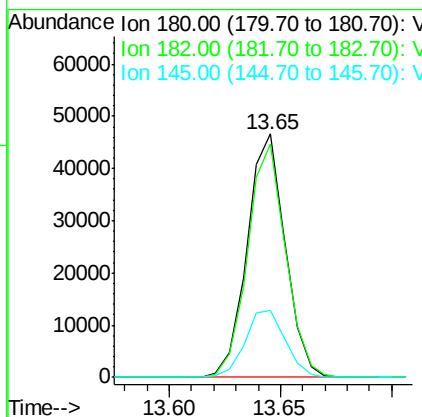
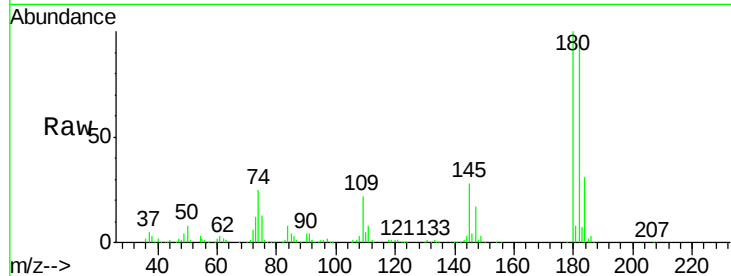
#89
 1,2,4-Trichlorobenzene
 Concen: 19.734 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	76.9	115.3	
145	29.3	23.0	34.6	

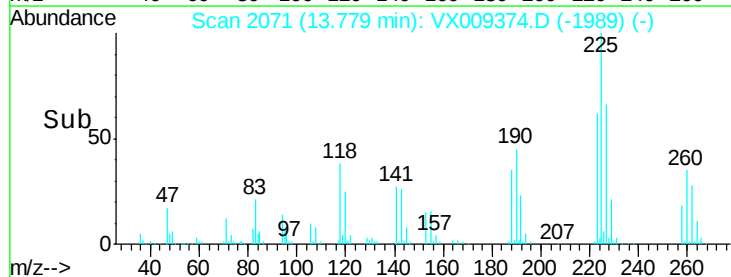
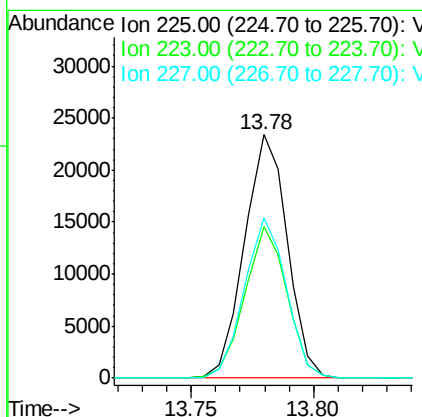
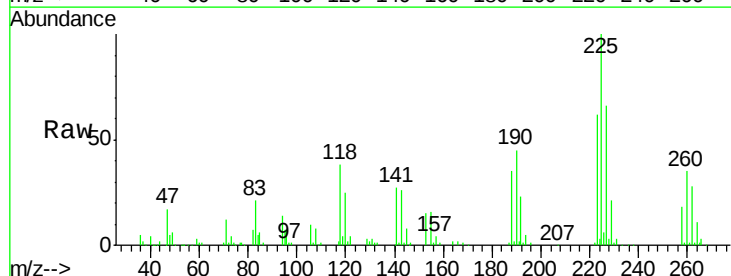
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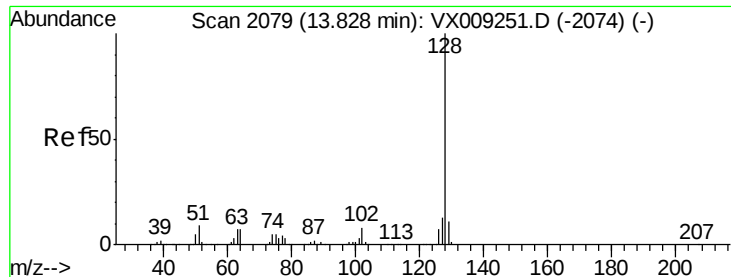
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#90
 Hexachlorobutadiene
 Concen: 20.303 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009374.D
 Acq: 07 May 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.9	0.0	126.6	
227	64.7	0.0	130.0	





#91

Naphthalene

Concen: 20.896 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Instrument :

MSVOA_X

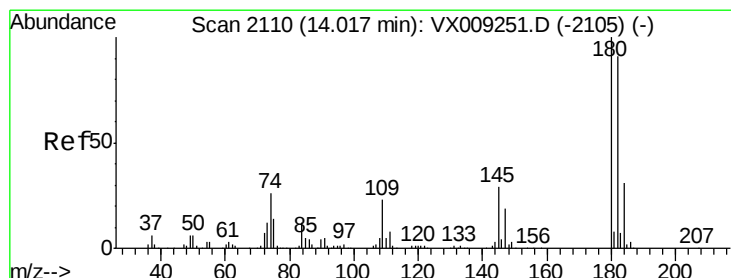
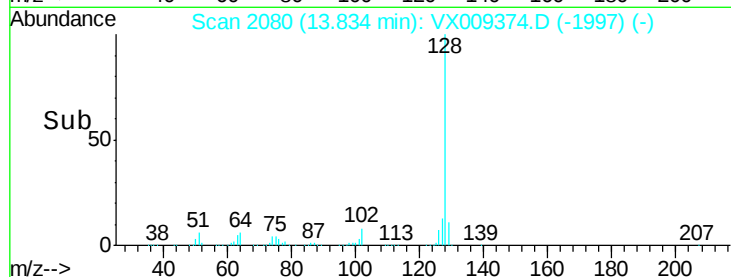
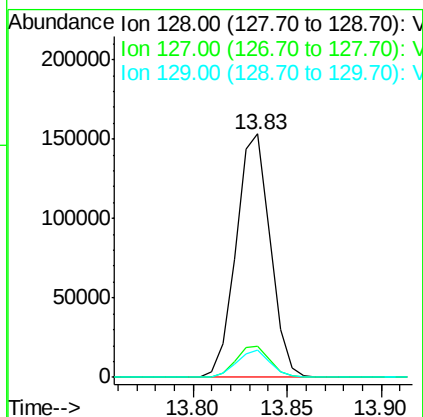
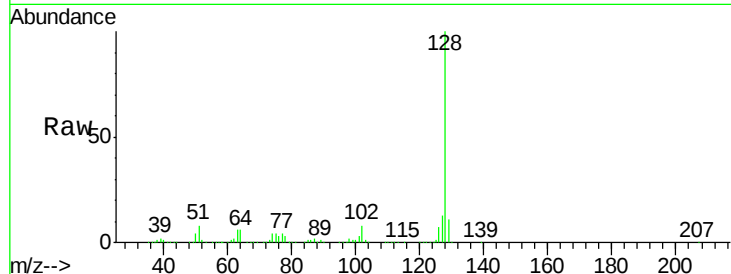
ClientSampleId :

VX0507WBSD01

Tot Ion:	128	Resp:	192955
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 20.788 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009374.D

Acq: 07 May 2019 13:11

Tgt Ion:	180	Resp:	59600
Ion Ratio		Lower	Upper
180	100		
182	93.9	0.0	189.0
145	29.9	0.0	61.6

