

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080519\
 Data File : VX011325.D
 Acq On : 05 Aug 2019 12:47
 Operator : JC/SP
 Sample : VX0805WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 4:48:42 PM

Quant Time: Aug 06 03:28:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	155314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	225636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	206393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	108534	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	77118	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
35) Dibromofluoromethane	5.49	113	70891	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	8.71	98	265893	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
62) 4-Bromofluorobenzene	11.13	95	93107	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	20317	16.937	ug/l	98
3) Chloromethane	1.32	50	22611	16.785	ug/l	97
4) Vinyl Chloride	1.40	62	26054	17.583	ug/l	98
5) Bromomethane	1.63	94	19209	18.177	ug/l	98
6) Chloroethane	1.71	64	18144	18.108	ug/l	96
7) Trichlorofluoromethane	1.92	101	46749	17.744	ug/l	100
8) Diethyl Ether	2.18	74	15890	16.891	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	24490	17.179	ug/l	99
10) Methyl Iodide	2.50	142	24359	13.553	ug/l	99
11) Tert butyl alcohol	3.04	59	30679	98.378	ug/l	98
12) 1,1-Dichloroethene	2.37	96	24731	17.501	ug/l	95
13) Acrolein	2.29	56	15651	80.460	ug/l	95
14) Allyl chloride	2.72	41	35290	18.733	ug/l	98
15) Acrylonitrile	3.14	53	70318	94.478	ug/l	100
16) Acetone	2.43	43	61679	82.849	ug/l	97
17) Carbon Disulfide	2.56	76	56349	16.993	ug/l	97
18) Methyl Acetate	2.76	43	31618	18.584	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	73664	17.689	ug/l	99
20) Methylene Chloride	2.85	84	27088	16.614	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	25390	16.985	ug/l	90
22) Diisopropyl ether	3.85	45	73814	17.828	ug/l	98
23) Vinyl Acetate	3.81	43	316311	92.109	ug/l	97
24) 1,1-Dichloroethane	3.69	63	42586	17.443	ug/l	99
25) 2-Butanone	4.67	43	94386	89.126	ug/l	97
26) 2,2-Dichloropropane	4.58	77	32956	17.365	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	29728	17.266	ug/l	99
28) Bromochloromethane	5.01	49	21812	19.597	ug/l	97
29) Tetrahydrofuran	5.12	42	58916	90.732	ug/l	99
30) Chloroform	5.21	83	47663	17.962	ug/l	96
31) Cyclohexane	5.58	56	34246	17.002	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	40134	17.656	ug/l	99
36) 1,1-Dichloropropene	5.79	75	33761	17.137	ug/l	99
37) Ethyl Acetate	4.82	43	35232	17.829	ug/l	98
38) Carbon Tetrachloride	5.78	117	35324	17.823	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	37811	16.192	ug/l	97
40) Benzene	6.13	78	103962	17.685	ug/l	94
41) Methacrylonitrile	5.03	41	18450	17.096	ug/l	97
42) 1,2-Dichloroethane	6.18	62	36443	18.333	ug/l	100
43) Isopropyl Acetate	6.44	43	54438	17.231	ug/l	99
44) Trichloroethene	7.21	130	30414	17.092	ug/l	99
45) 1,2-Dichloropropane	7.51	63	26752	17.571	ug/l	97
46) Dibromomethane	7.66	93	18985	17.082	ug/l	99
47) Bromodichloromethane	7.89	83	33220	17.654	ug/l	96
48) Methyl methacrylate	7.76	41	26204	17.624	ug/l	98
49) 1,4-Dioxane	7.74	88	14997	347.929	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	190263	93.317	ug/l	99
52) Toluene	8.78	92	68647	17.662	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	34068	17.502	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	38354	17.449	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	28552	17.866	ug/l	98
56) Ethyl methacrylate	9.18	69	40104	17.610	ug/l	98
57) 1,3-Dichloropropane	9.37	76	44741	17.703	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	105006	93.776	ug/l	99
59) 2-Hexanone	9.49	43	146009	92.455	ug/l	99
60) Dibromochloromethane	9.58	129	28817	17.613	ug/l	97
61) 1,2-Dibromoethane	9.67	107	29584	17.135	ug/l	99
64) Tetrachloroethene	9.34	164	31309	17.863	ug/l	95
65) Chlorobenzene	10.13	112	78376	17.711	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	27517	18.163	ug/l	98
67) Ethyl Benzene	10.25	91	129676	17.497	ug/l	99
68) m/p-Xylenes	10.35	106	101687	35.472	ug/l	100
69) o-Xylene	10.69	106	49034	17.409	ug/l	99
70) Styrene	10.71	104	81061	17.393	ug/l	98
71) Bromoform	10.85	173	20597	17.178	ug/l #	99
73) Isopropylbenzene	11.02	105	130500	17.581	ug/l	99
74) N-amyl acetate	10.90	43	48902	18.232	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	43363	17.530	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	36521m	18.477	ug/l	
77) Bromobenzene	11.25	156	35729	17.358	ug/l	99
78) n-propylbenzene	11.36	91	143465	17.380	ug/l	99
79) 2-Chlorotoluene	11.42	91	85687	17.416	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	110467	17.778	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	11145	18.221	ug/l	93
82) 4-Chlorotoluene	11.51	91	98963	17.259	ug/l	99
83) tert-Butylbenzene	11.77	119	107252	17.599	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	111603	18.039	ug/l	100
85) sec-Butylbenzene	11.94	105	127325	17.389	ug/l	99
86) p-Isopropyltoluene	12.06	119	117838	17.494	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	63280	17.399	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	63224	16.859	ug/l	96
89) n-Butylbenzene	12.38	91	96357	16.604	ug/l	99
90) Hexachloroethane	12.59	117	16300	16.367	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	63424	17.356	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	8913	18.598	ug/l	98

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ClientSampleId :
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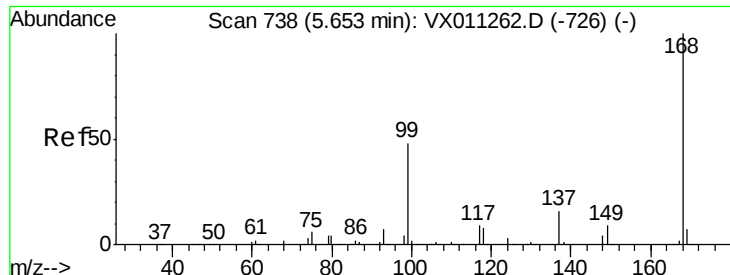
Manual Integrations
APPROVED

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8/6/2019 4:48:42 PM

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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	41953	17.311	ug/l	98
94) Hexachlorobutadiene	13.78	225	21294	17.319	ug/l	96
95) Naphthalene	13.83	128	128281	18.101	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	43480	17.648	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBSD01

Tot Ion:168 Resp: 155314

Ion Ratio Lower Upper

168 100

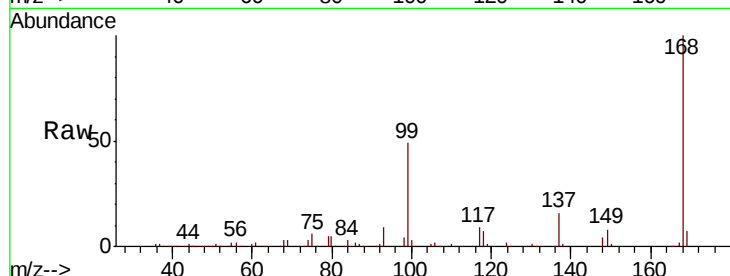
99 49.2 38.5 57.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

50000

40000

30000

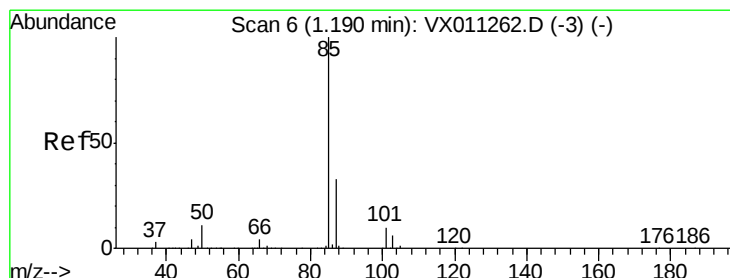
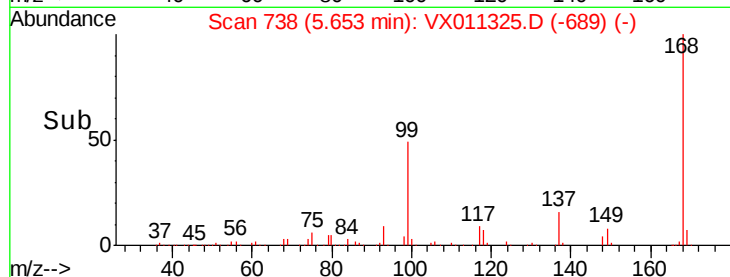
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.937 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011325.D

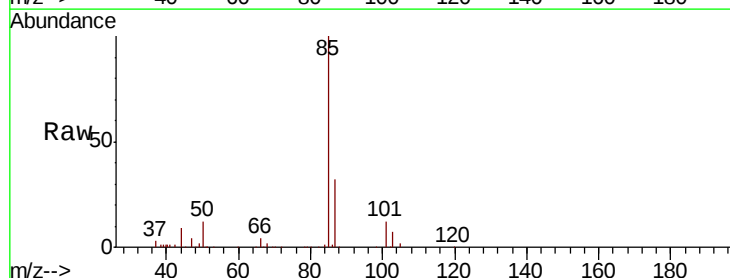
Acq: 05 Aug 2019 12:47

Tgt Ion: 85 Resp: 20317

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

25000

20000

15000

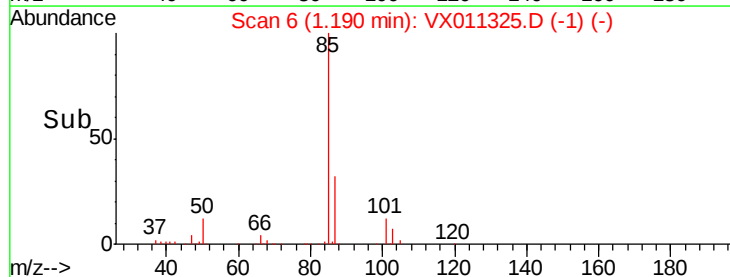
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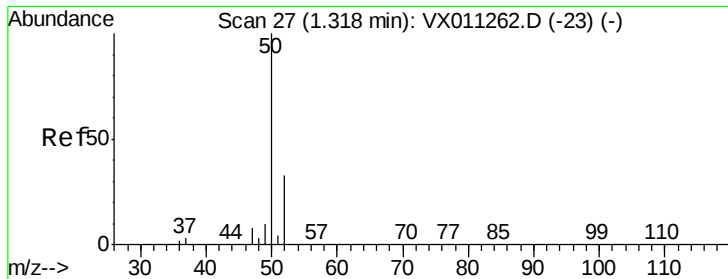
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.785 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBSD01

Tot Ion: 50 Resp: 22611

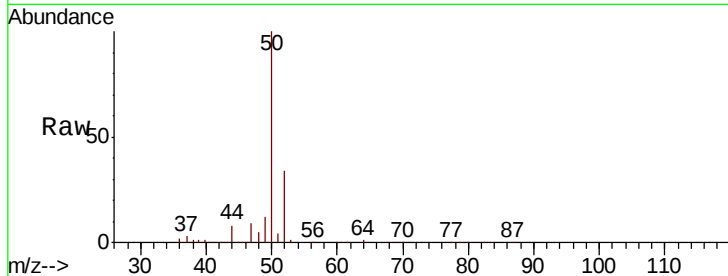
Ion Ratio Lower Upper

50 100

52 34.4 26.4 39.6

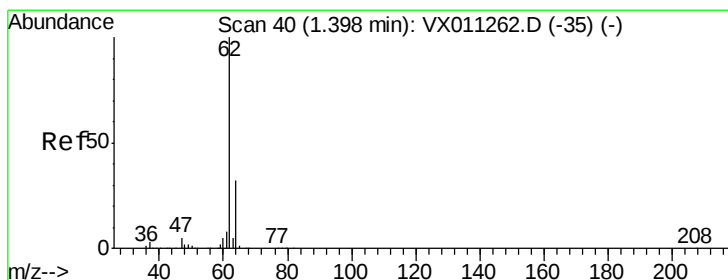
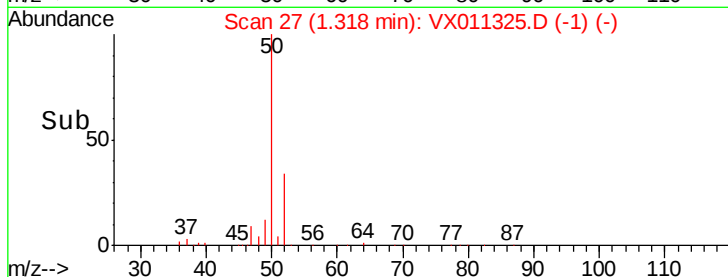
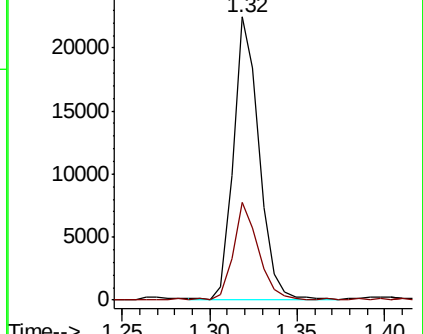
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.583 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011325.D

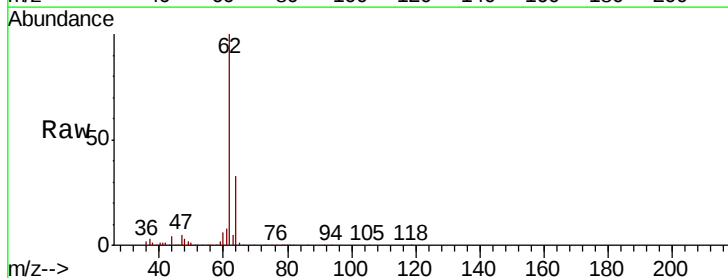
Acq: 05 Aug 2019 12:47

Tgt Ion: 62 Resp: 26054

Ion Ratio Lower Upper

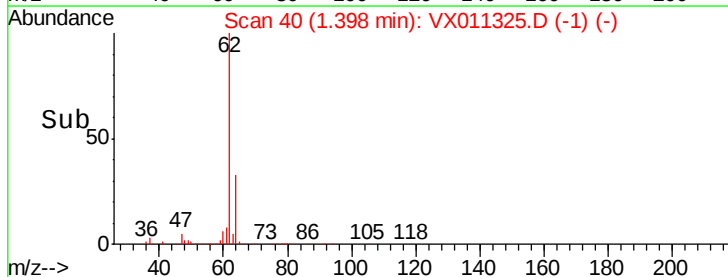
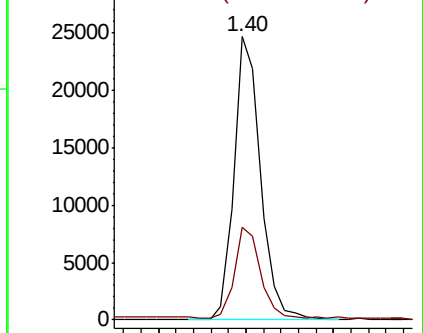
62 100

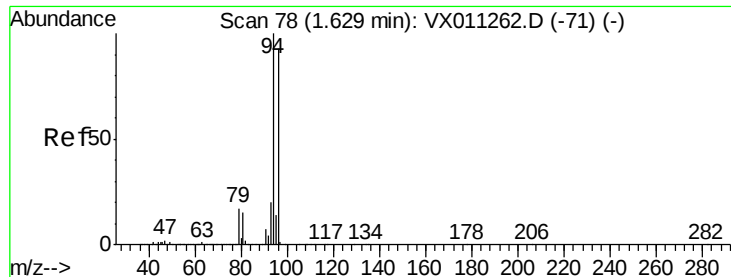
64 31.5 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.177 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBSD01

Tot Ion: 94 Resp: 19209

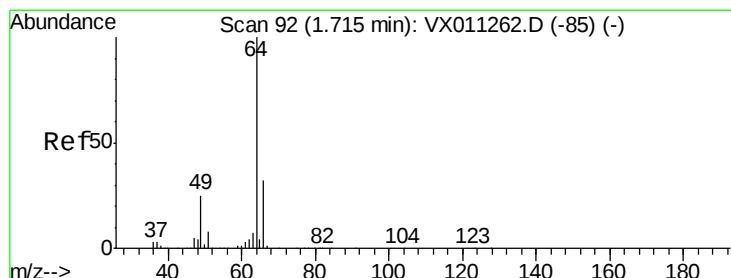
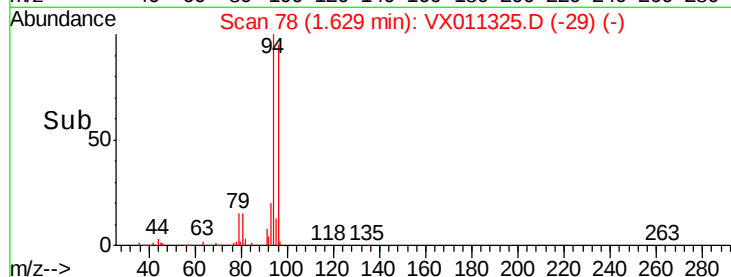
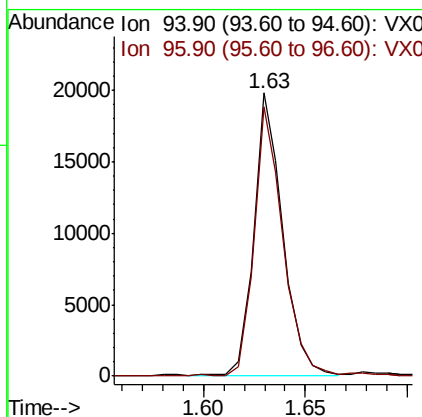
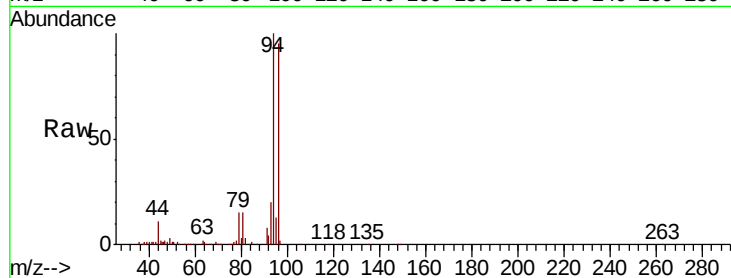
Ion Ratio Lower Upper

94 100

96 95.3 74.6 112.0

Manual Integrations
APPROVED

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#6

Chloroethane

Concen: 18.108 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011325.D

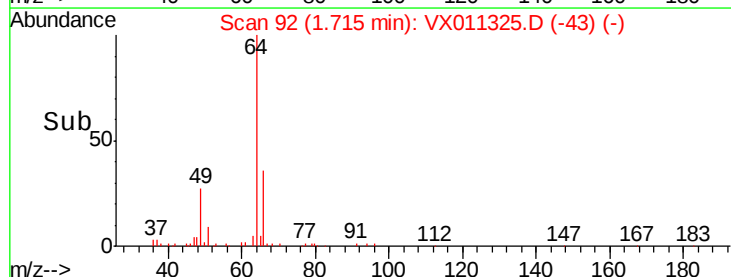
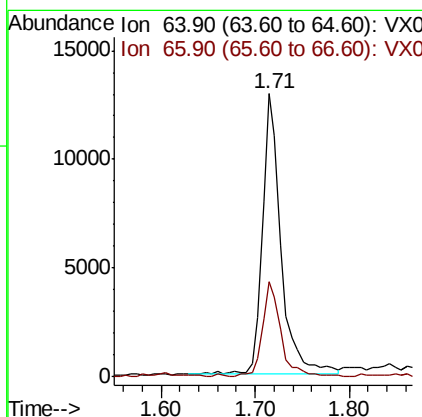
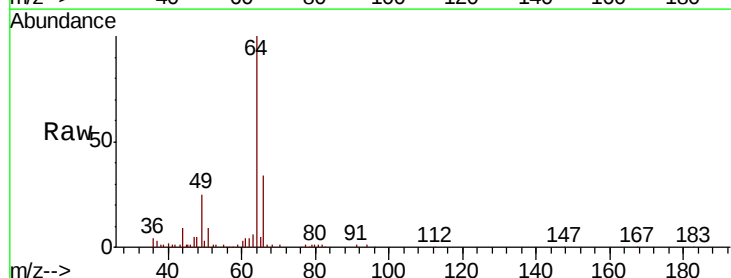
Acq: 05 Aug 2019 12:47

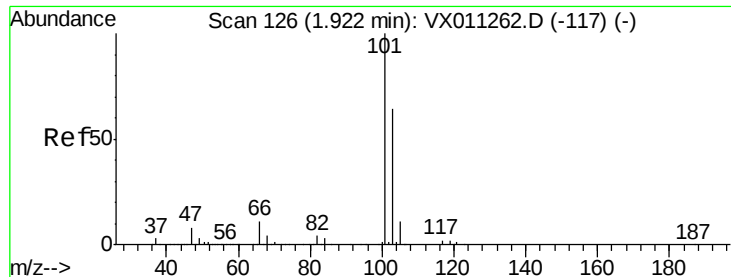
Tgt Ion: 64 Resp: 18144

Ion Ratio Lower Upper

64 100

66 33.7 25.1 37.7





#7

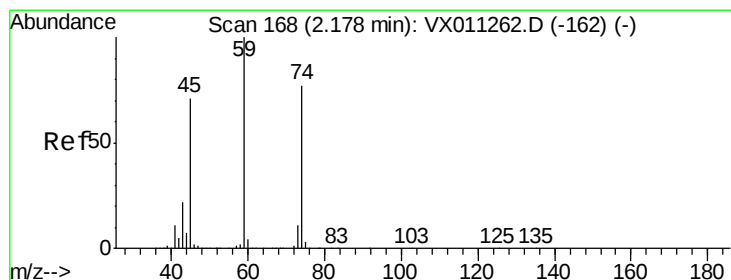
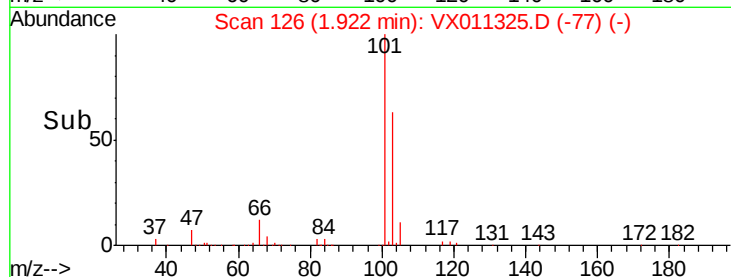
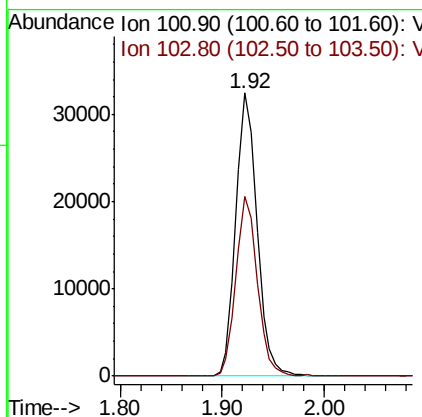
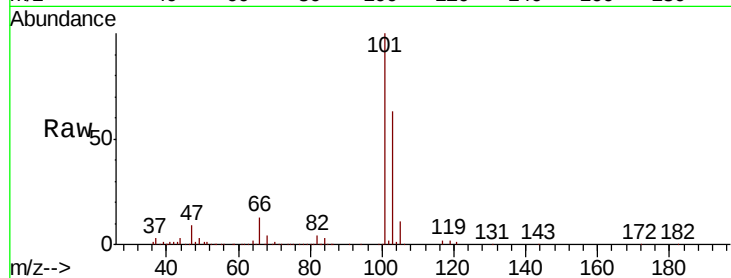
Trichlorofluoromethane
Concen: 17.744 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

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MSVOA_X
ClientSampleId :
VX0805WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.9	76.3

Manual Integrations
APPROVED

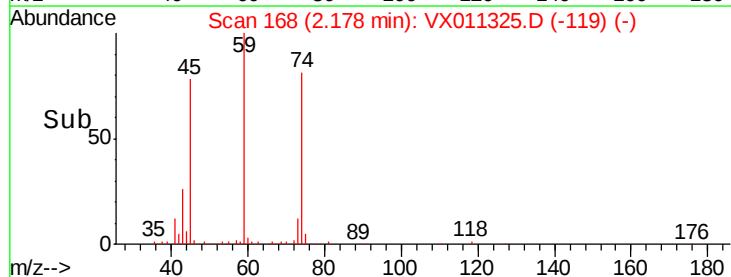
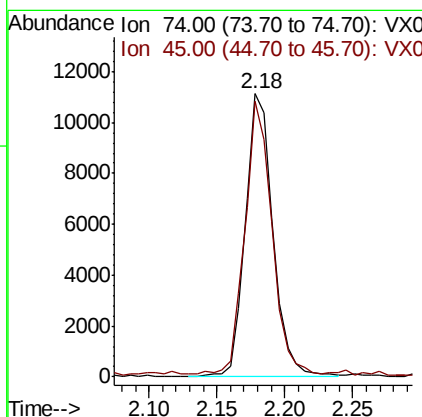
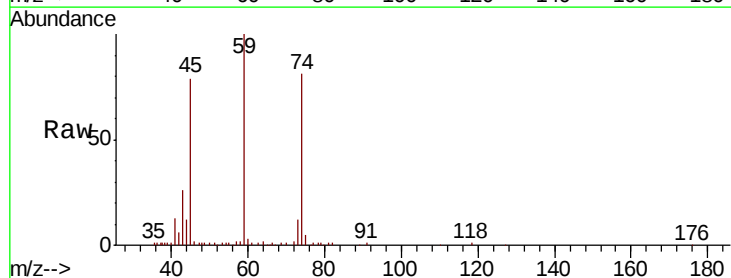
MMDadoda
8/6/2019 4:48:42 PM

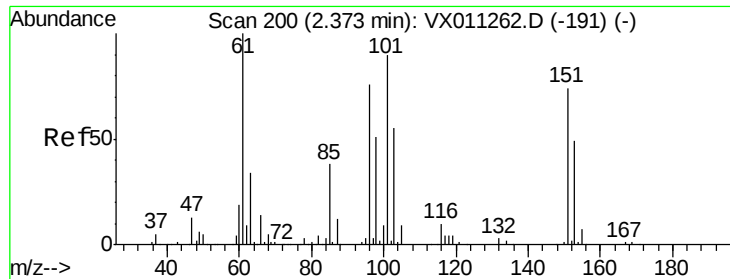


#8

Diethyl Ether
Concen: 16.891 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.179 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

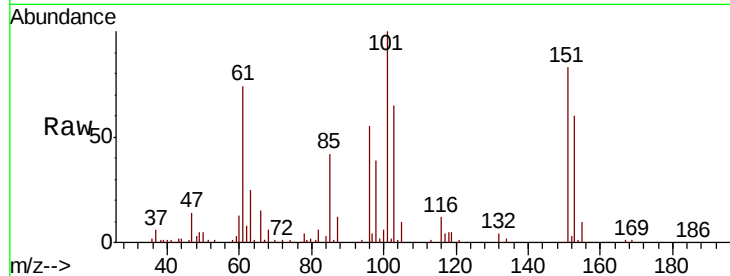
ClientSampleId :

VX0805WBSD01

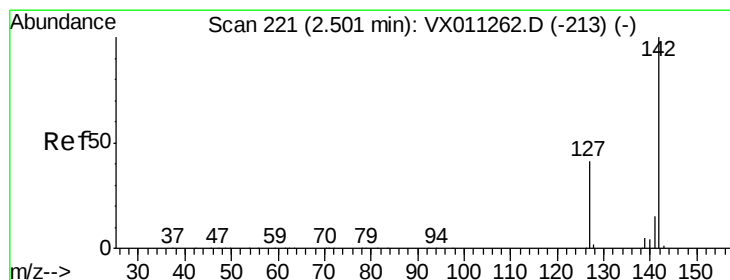
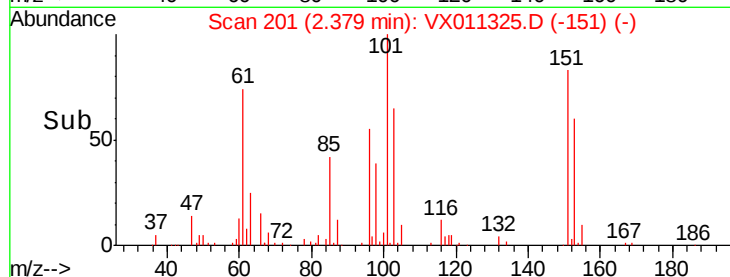
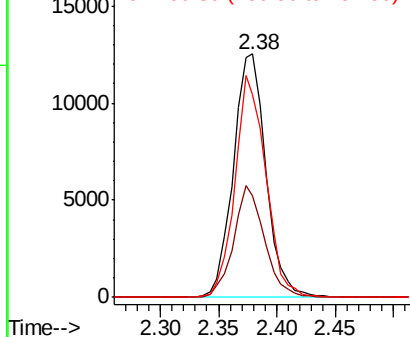
Tot Ion:	101	Resp:	24490
Ion Ratio	Lower	Upper	
101	100		
85	43.2	33.8	50.6
151	86.1	69.5	104.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 13.553 ug/l

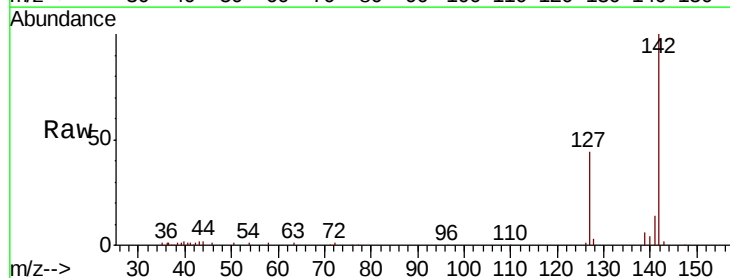
RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

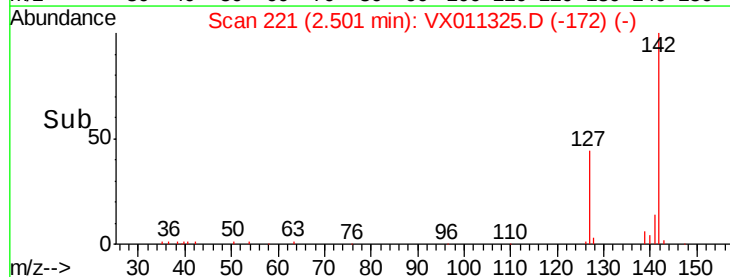
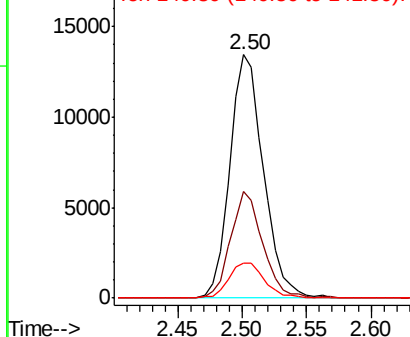
Lab File: VX011325.D

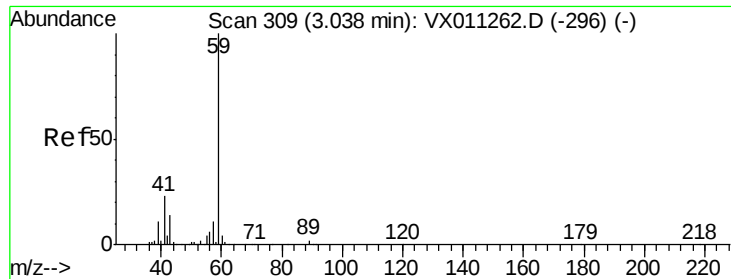
Acq: 05 Aug 2019 12:47

Tgt Ion:	142	Resp:	24359
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.8	50.8
141	15.4	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





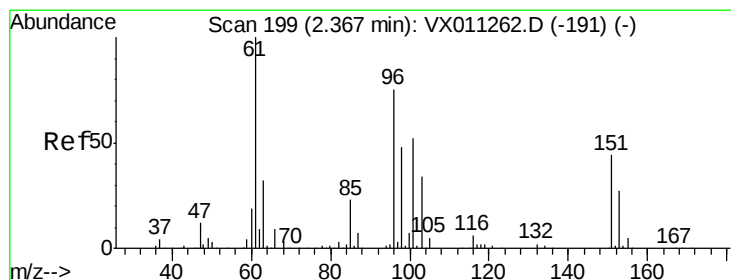
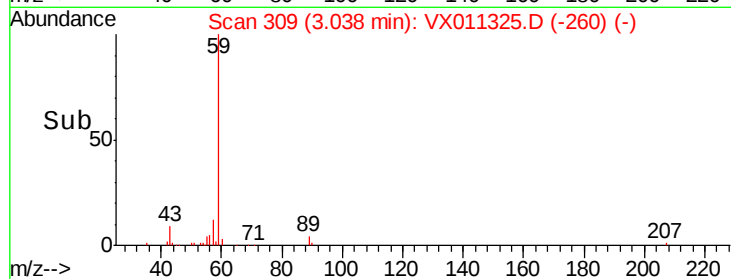
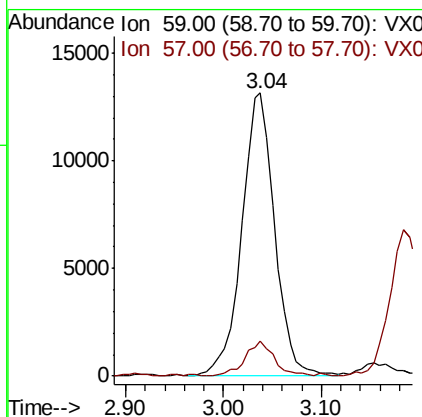
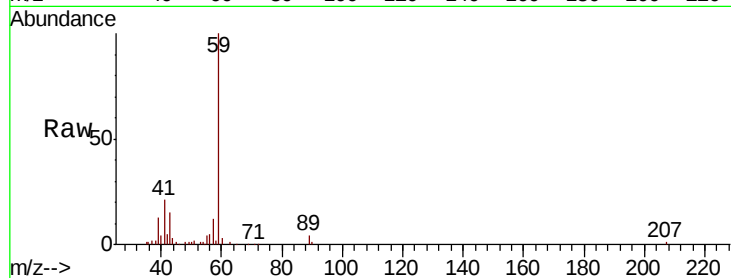
#11
Tert butyl alcohol
Concen: 98.378 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBSD01

Tot Ion: 59 Resp: 30679
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5

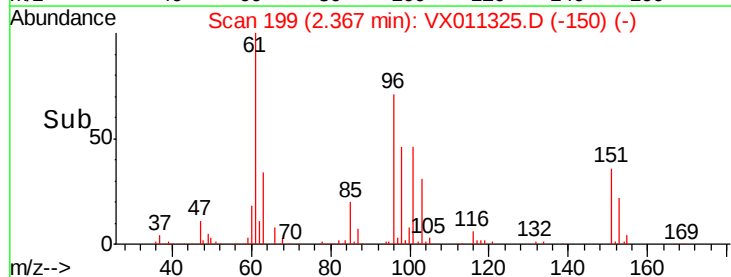
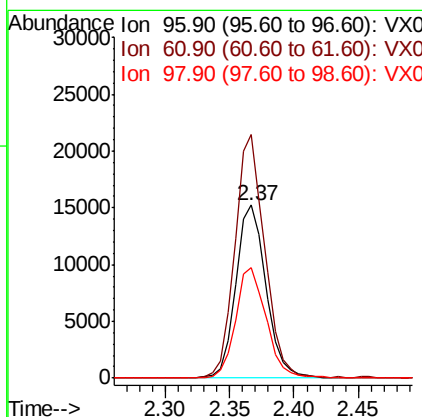
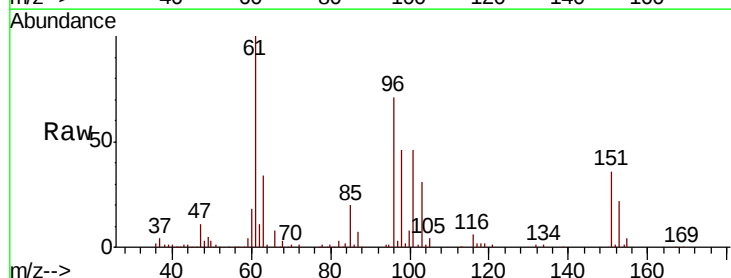
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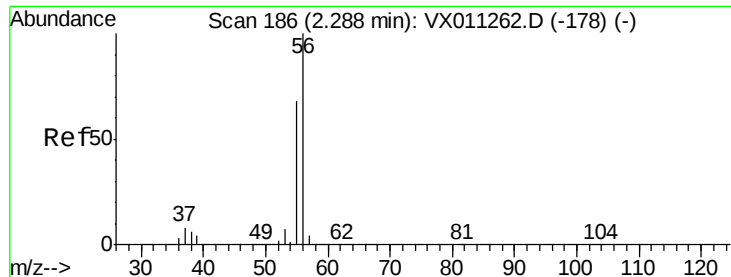
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.501 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion: 96 Resp: 24731
Ion Ratio Lower Upper
96 100
61 140.7 106.2 159.2
98 64.1 50.6 75.8





#13

Acrolein

Concen: 80.460 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBSD01

Tot Ion: 56 Resp: 15651

Ion Ratio Lower Upper

56 100

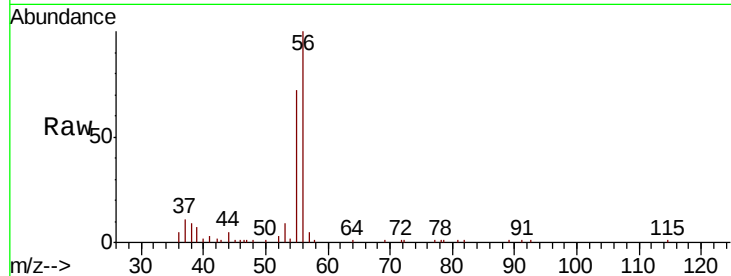
55 66.0 56.0 84.0

Manual Integrations

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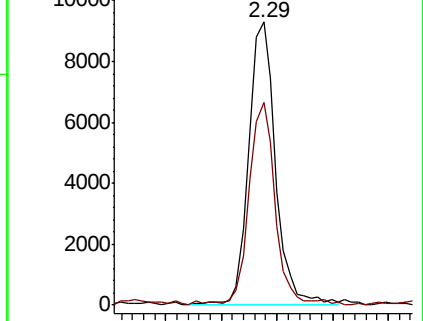
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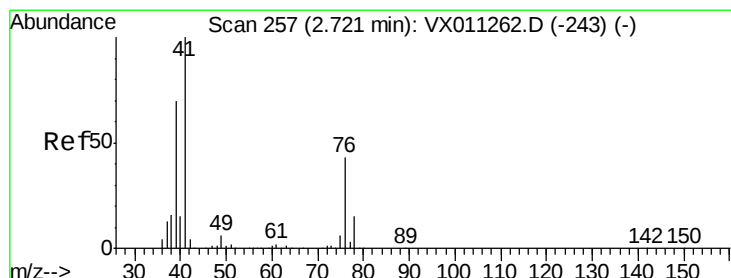
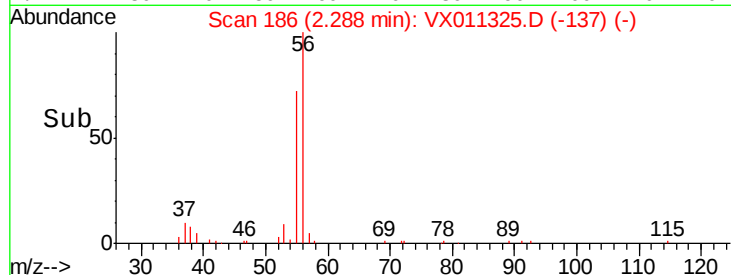


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#14

Allyl chloride

Concen: 18.733 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

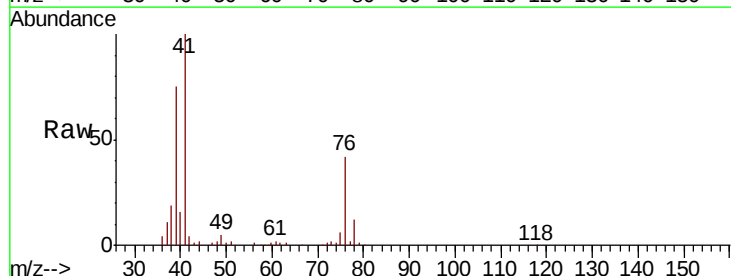
Tgt Ion: 41 Resp: 35290

Ion Ratio Lower Upper

41 100

39 64.7 52.8 79.2

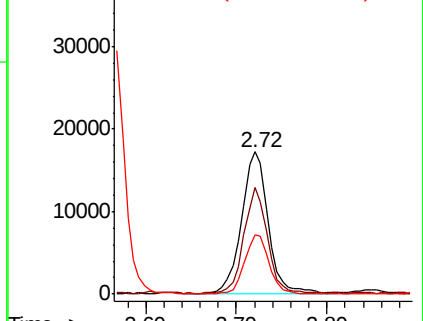
76 37.8 31.1 46.7



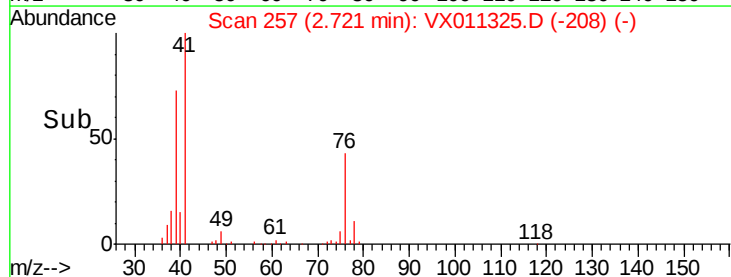
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time-->





#15

Acrylonitrile

Concen: 94.478 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

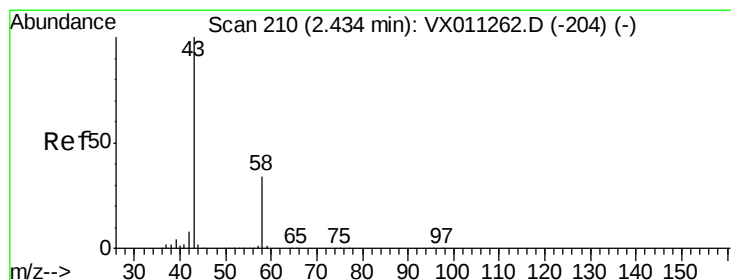
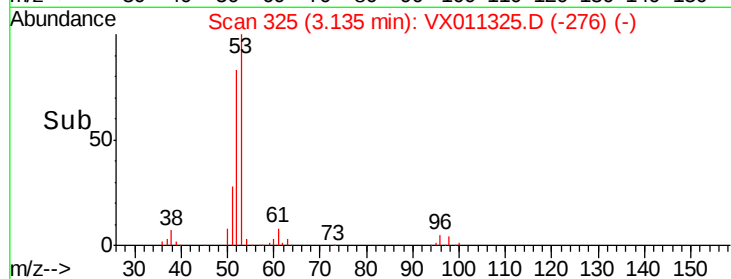
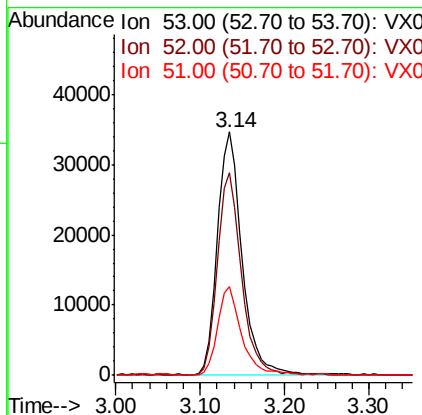
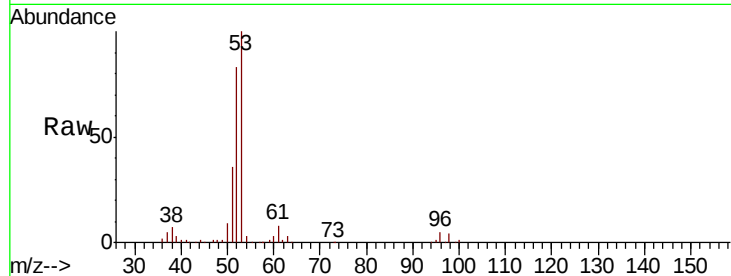
ClientSampleId :

VX0805WBSD01

Tot Ion:	53	Resp:	70318
Ion Ratio	Lower	Upper	
53	100		
52	81.5	65.5	98.3
51	34.7	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 82.849 ug/l

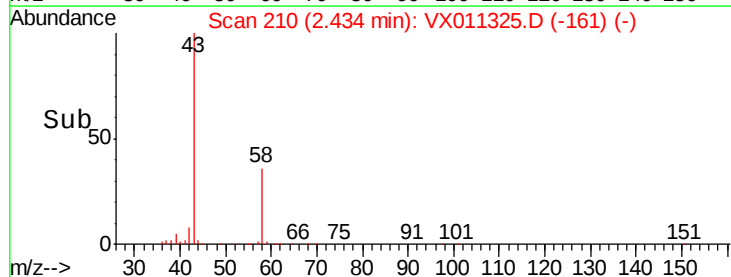
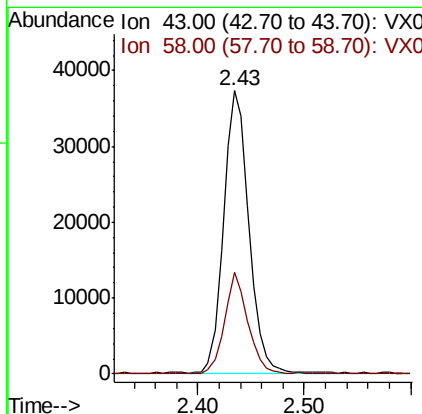
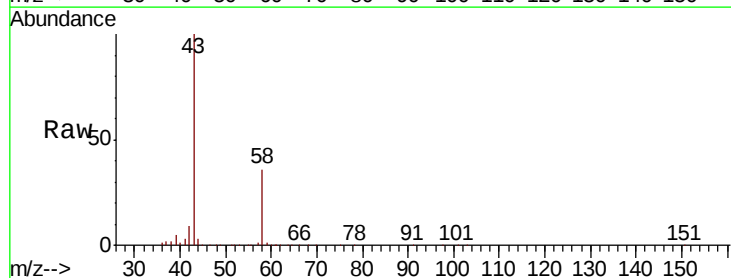
RT: 2.43 min Scan# 210

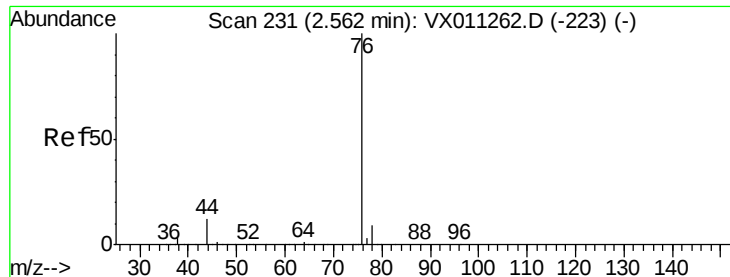
Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Tgt Ion:	43	Resp:	61679
Ion Ratio	Lower	Upper	
43	100		
58	35.8	27.4	41.0





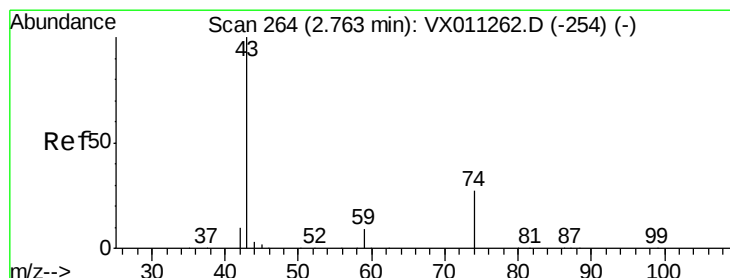
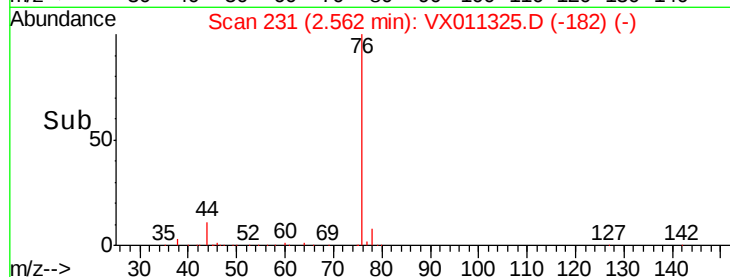
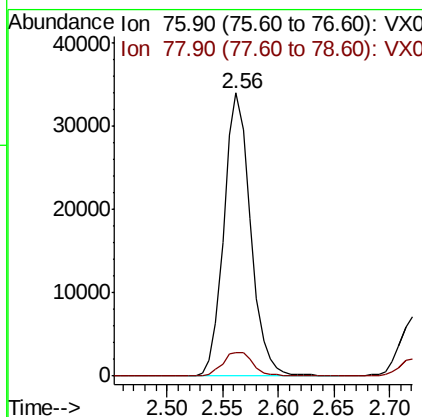
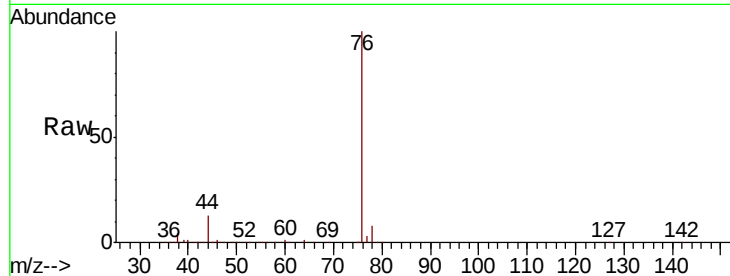
#17
Carbon Disulfide
Concen: 16.993 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBSD01

Tot Ion: 76 Resp: 56349
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.0

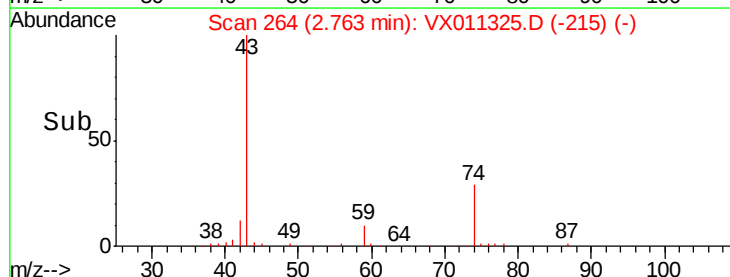
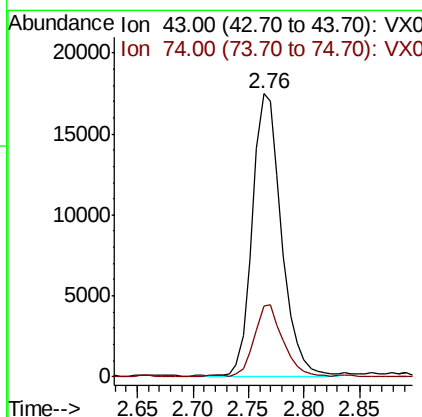
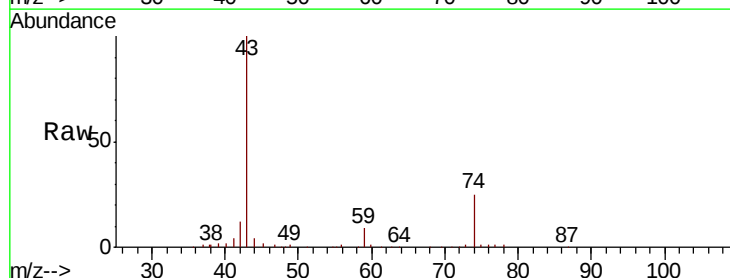
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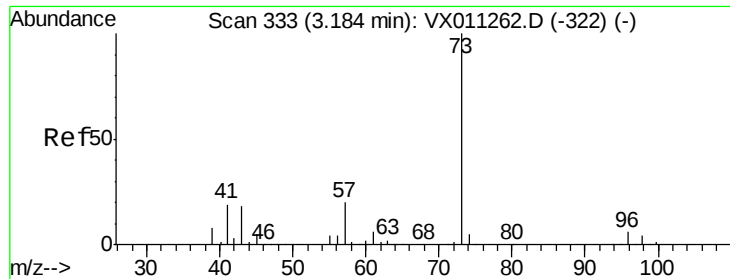
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#18
Methyl Acetate
Concen: 18.584 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion: 43 Resp: 31618
Ion Ratio Lower Upper
43 100
74 25.7 21.0 31.6





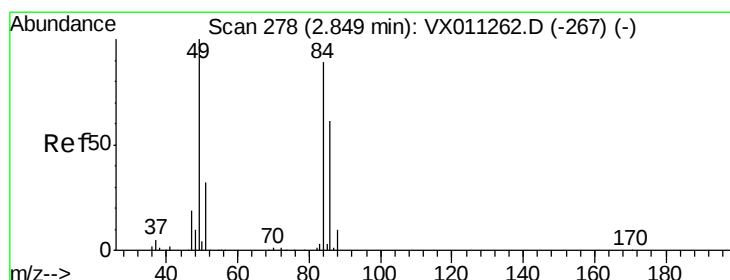
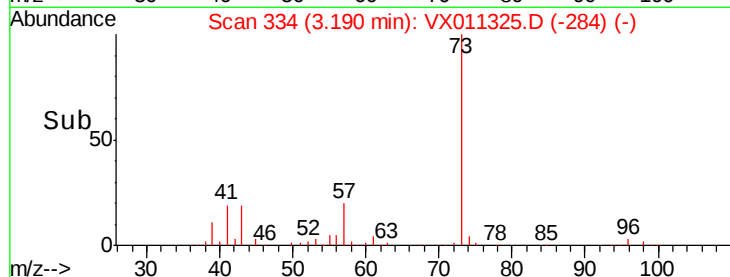
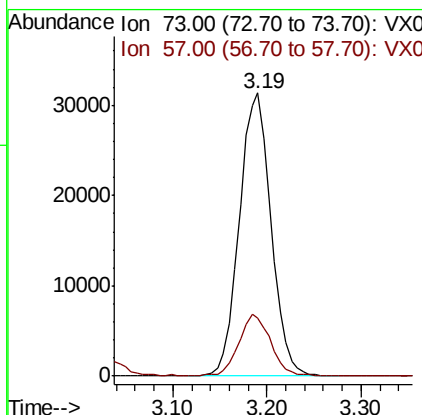
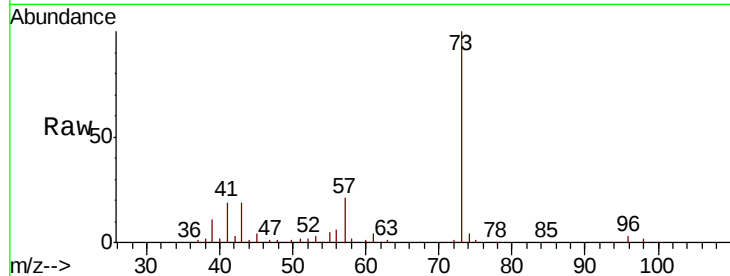
#19
Methyl tert-butyl Ether
Concen: 17.689 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampled :
VX0805WBSD01

Tot Ion: 73 Resp: 73664
Ion Ratio Lower Upper
73 100
57 20.6 16.2 24.2

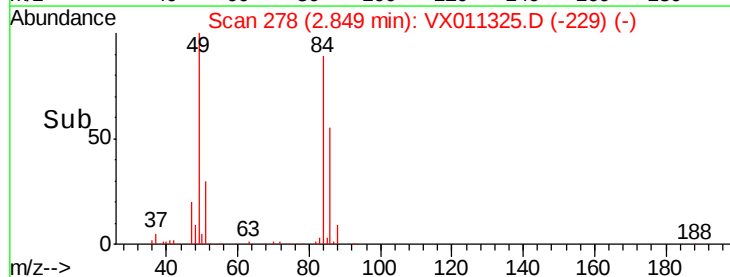
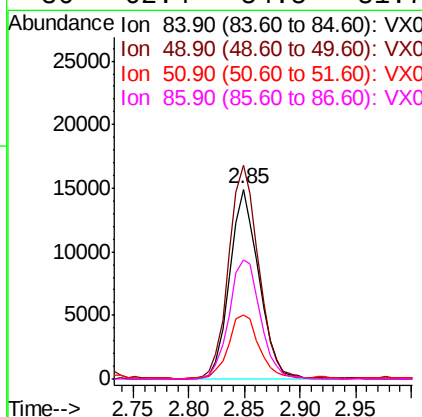
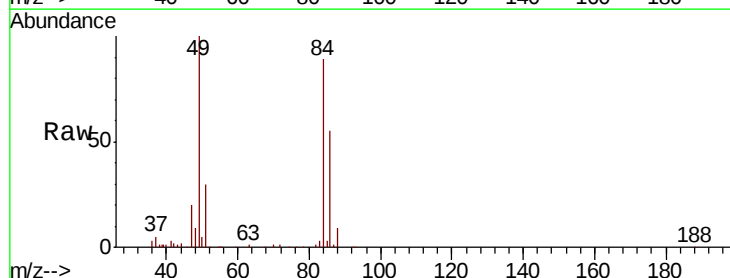
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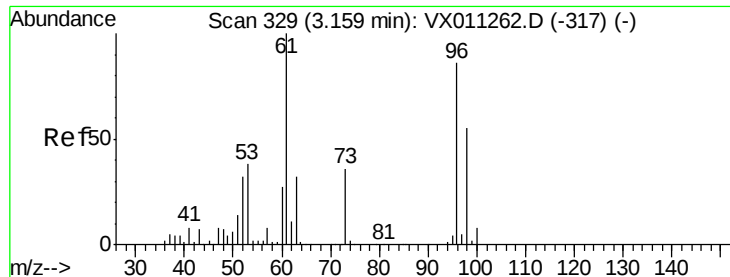
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#20
Methylene Chloride
Concen: 16.614 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion: 84 Resp: 27088
Ion Ratio Lower Upper
84 100
49 112.5 89.3 133.9
51 33.1 28.3 42.5
86 62.4 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 16.985 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

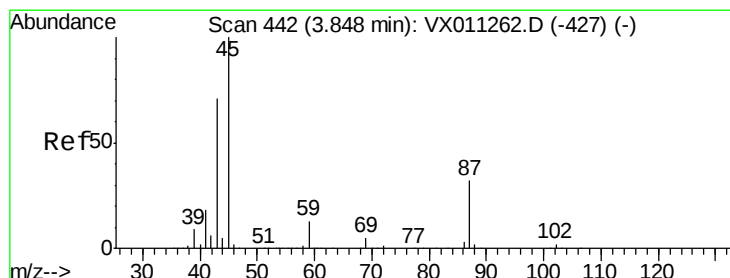
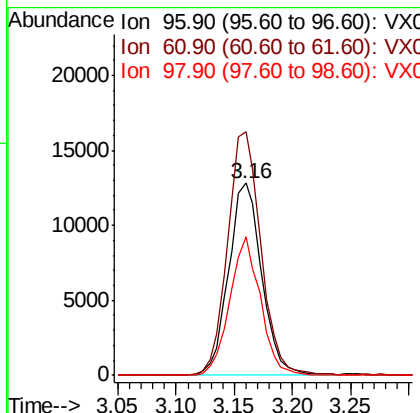
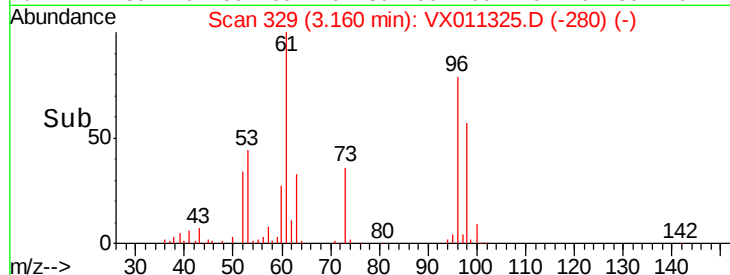
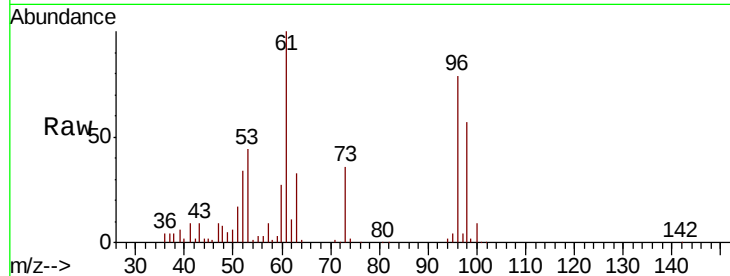
ClientSampleId :

VX0805WBSD01

Tot Ion:	96	Resp:	25390
Ion	Ratio	Lower	Upper
96	100		
61	126.7	92.8	139.2
98	71.9	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 17.828 ug/l

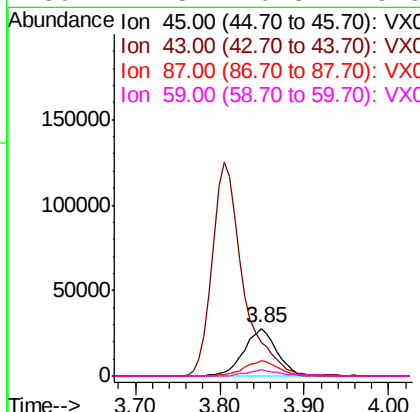
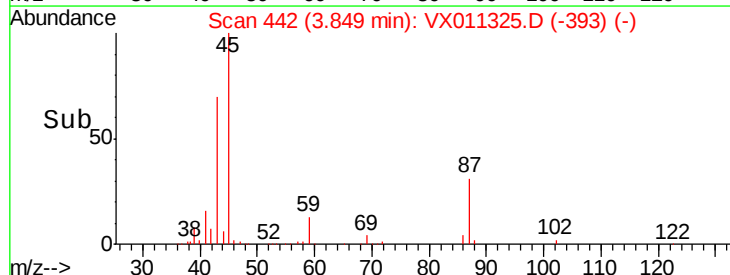
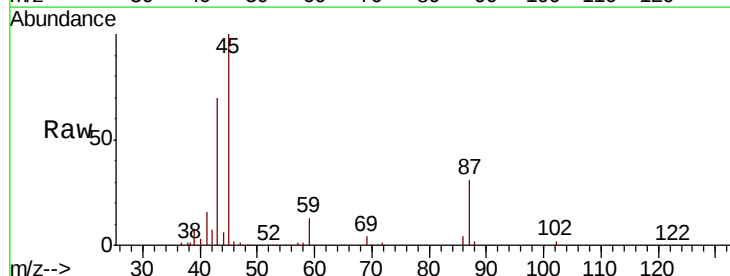
RT: 3.85 min Scan# 442

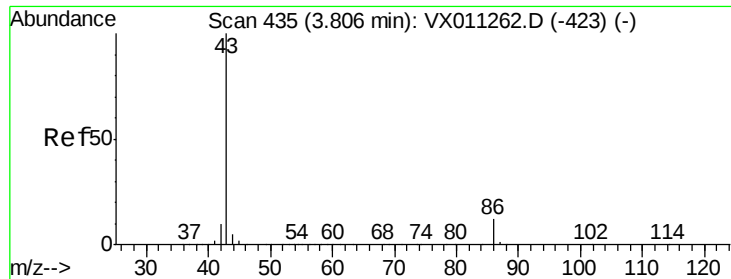
Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Tgt Ion:	45	Resp:	73814
Ion	Ratio	Lower	Upper
45	100		
43	68.8	56.8	85.2
87	31.4	25.8	38.6
59	12.8	10.3	15.5





#23

Vinyl Acetate

Concen: 92.109 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBSD01

Tot Ion: 43 Resp: 316311

Ion Ratio Lower Upper

43 100

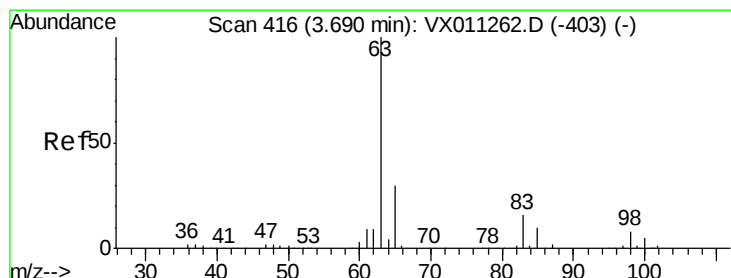
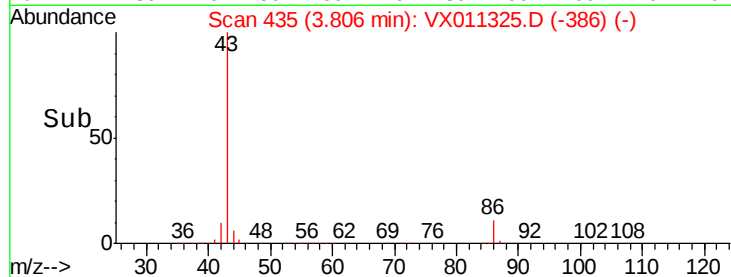
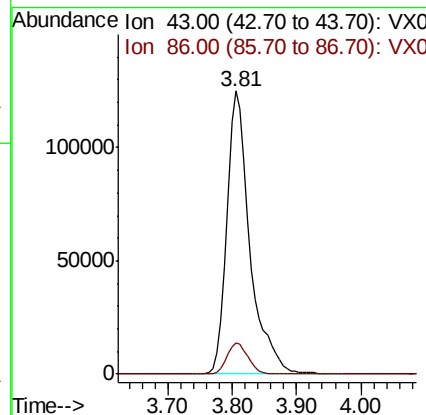
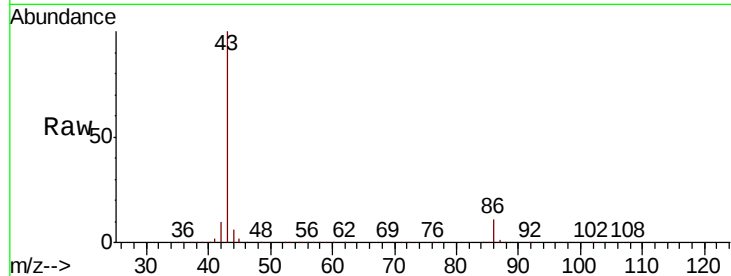
86 10.9 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 17.443 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

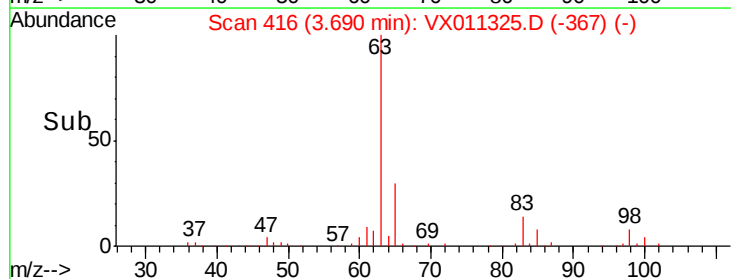
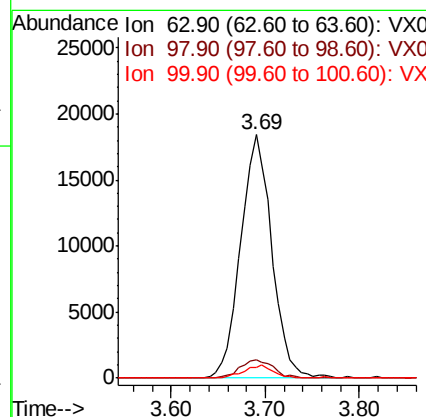
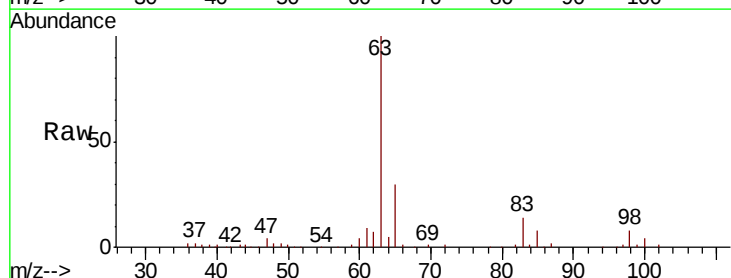
Tgt Ion: 63 Resp: 42586

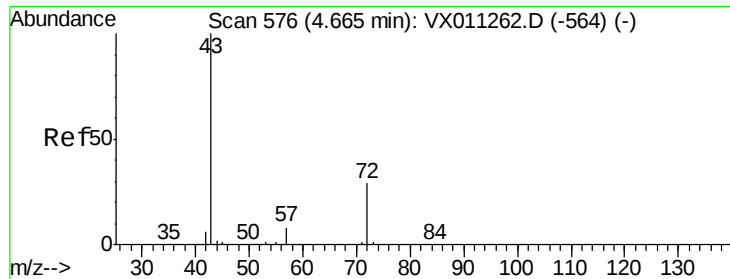
Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

100 4.5 2.7 8.1





#25

2-Butanone

Concen: 89.126 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBSD01

Tot Ion: 43 Resp: 94386

Ion Ratio Lower Upper

43 100

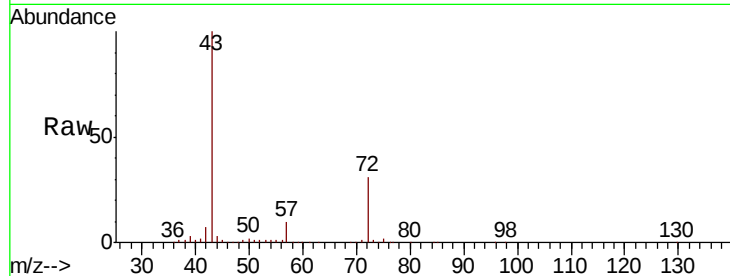
72 30.4 23.2 34.8

Manual Integrations

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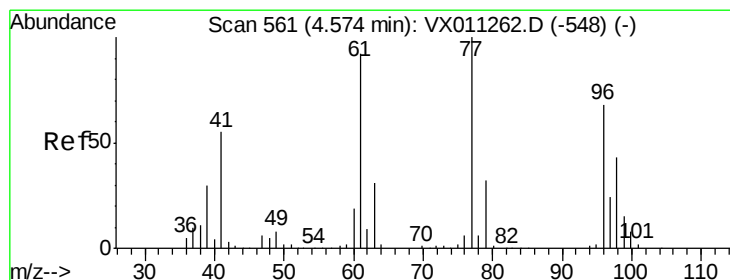
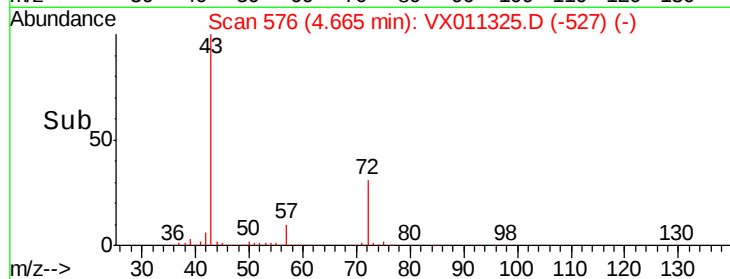
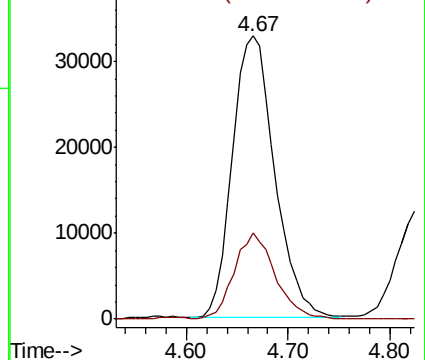
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.365 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX011325.D

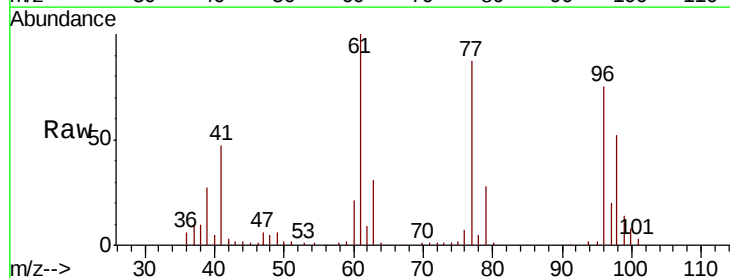
Acq: 05 Aug 2019 12:47

Tgt Ion: 77 Resp: 32956

Ion Ratio Lower Upper

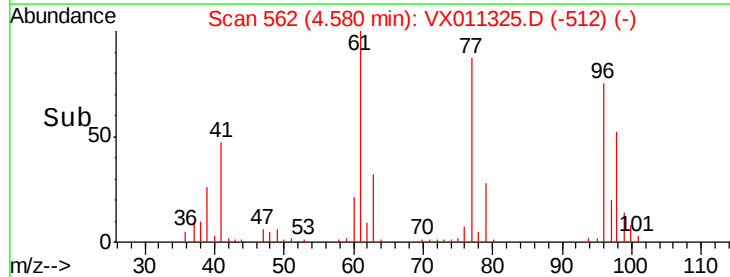
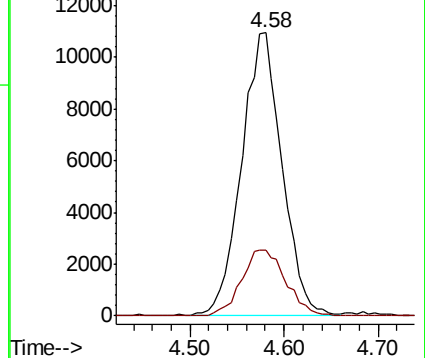
77 100

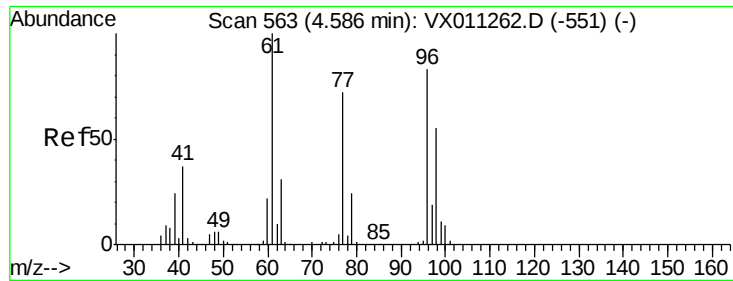
97 25.3 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

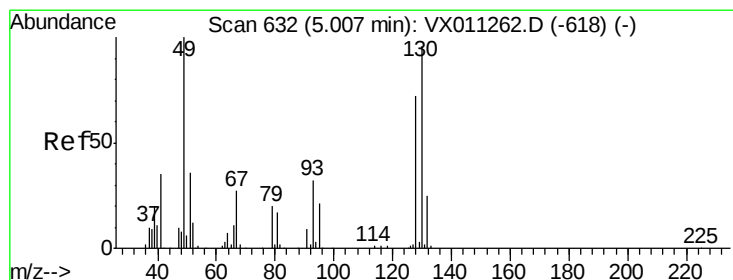
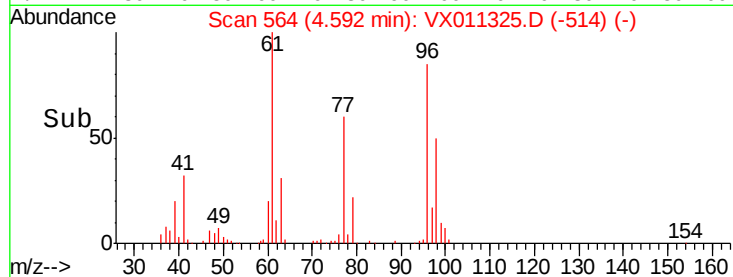
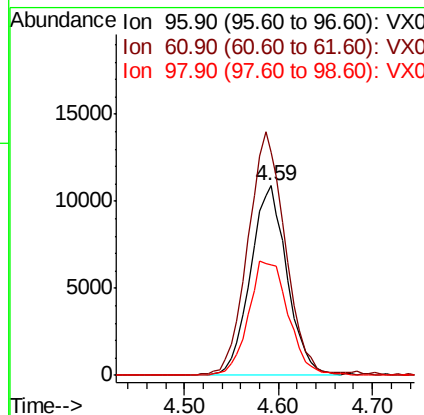
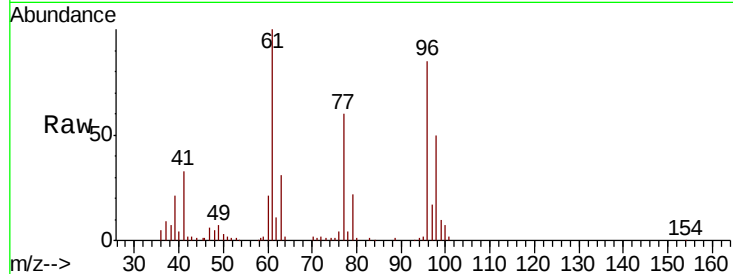
cis-1,2-Dichloroethene
 Concen: 17.266 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.01 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	260.2
98	65.2	0.0	133.2

Manual Integrations
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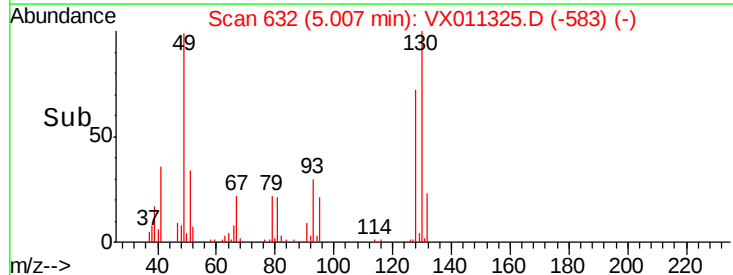
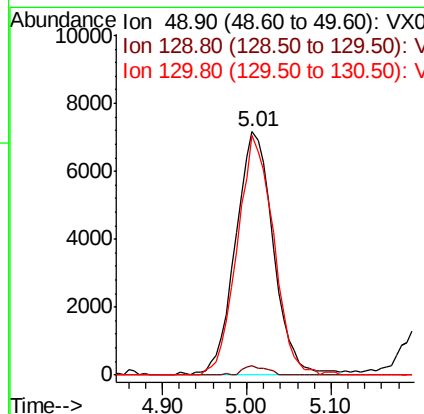
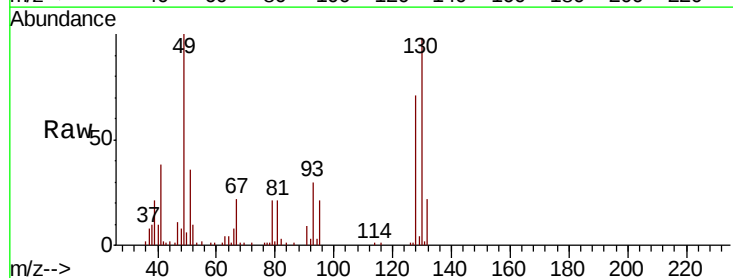
MMDadoda
 8/6/2019 4:48:42 PM

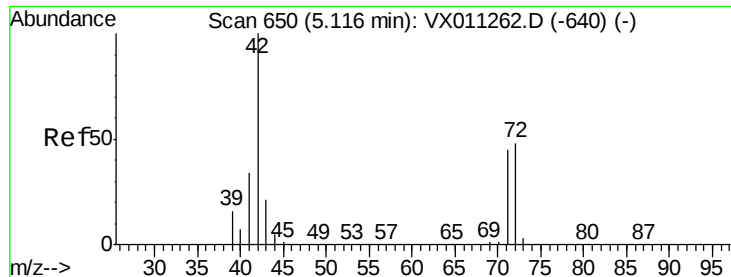


#28

Bromochloromethane
 Concen: 19.597 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.8
130	94.0	77.9	116.9





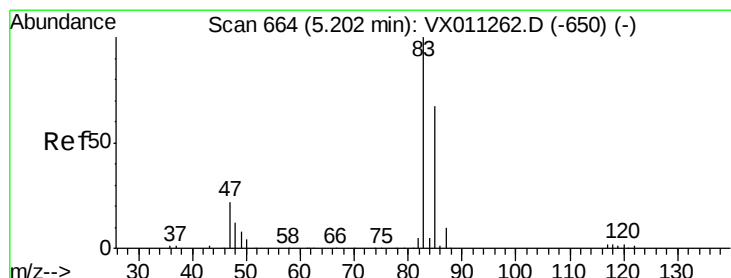
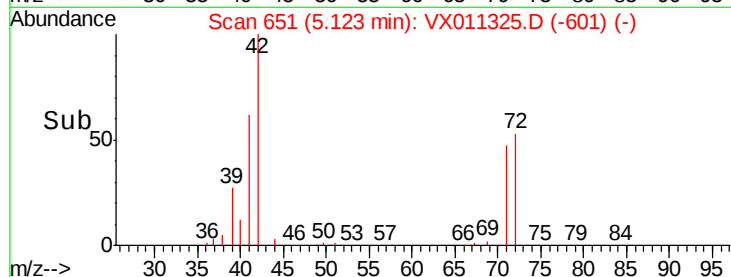
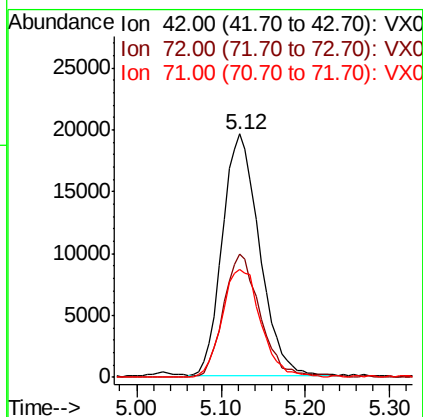
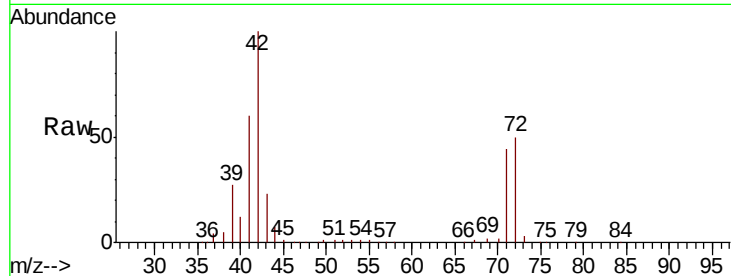
#29
Tetrahydrofuran
Concen: 90.732 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.6	39.9	59.9
71	46.4	36.9	55.3

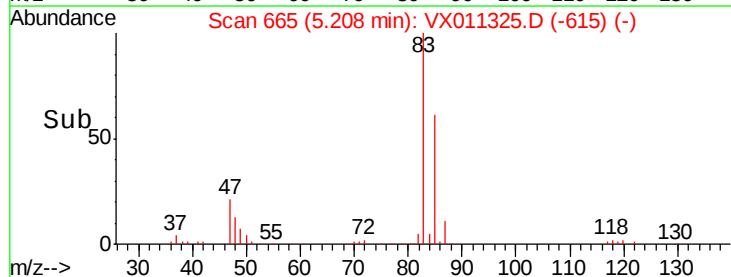
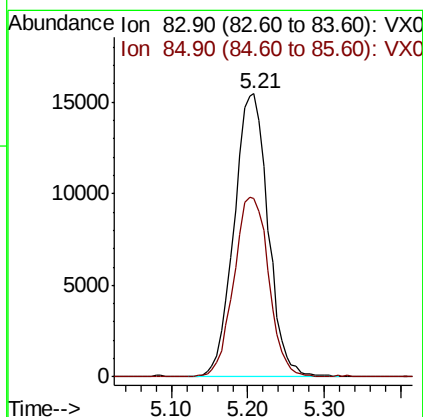
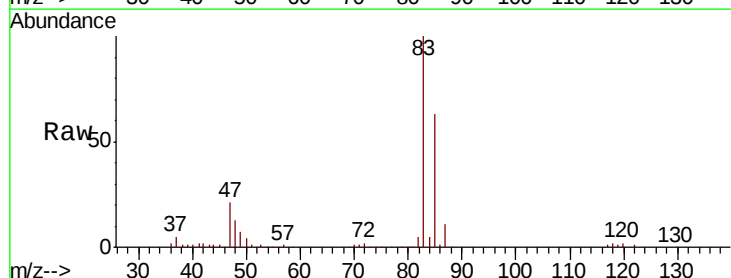
Manual Integrations
APPROVED

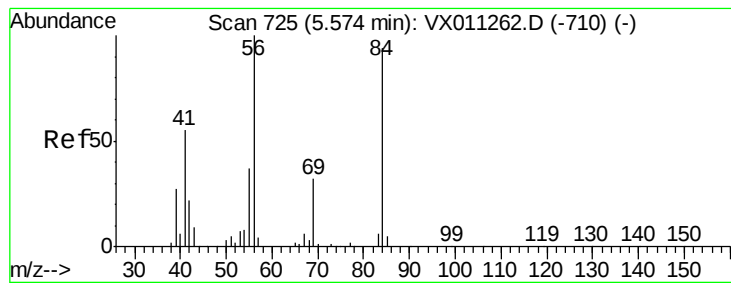
MMDadoda
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#30
Chloroform
Concen: 17.962 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.01 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	53.4	80.0





#31

Cyclohexane

Concen: 17.002 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

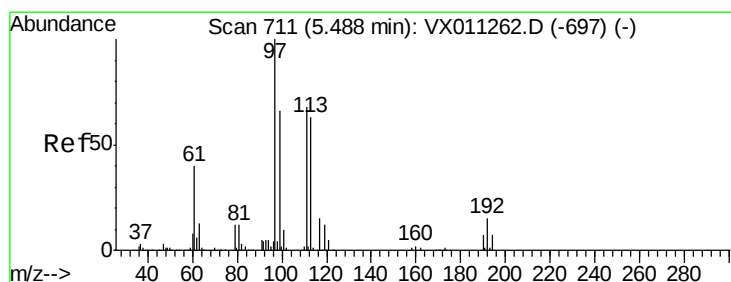
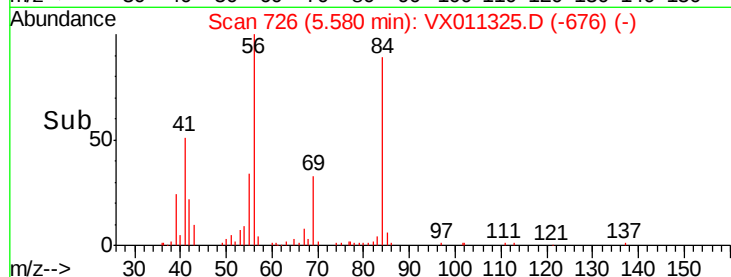
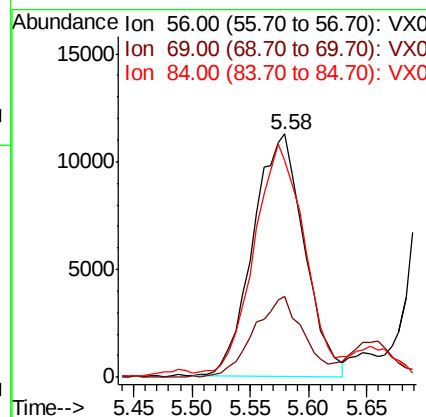
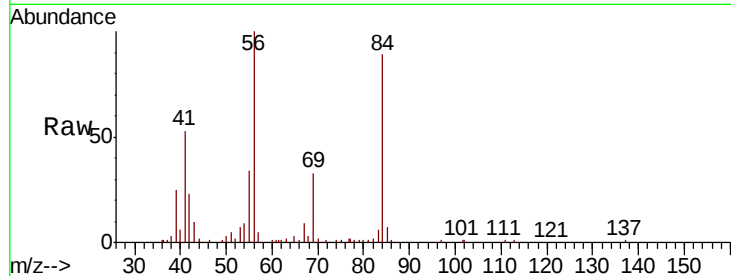
ClientSampleId :

VX0805WBSD01

Tot Ion:	56	Resp:	34246
Ion	Ratio	Lower	Upper
56	100		
69	32.7	25.5	38.3
84	87.0	75.0	112.4

Manual Integrations
APPROVED

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8/6/2019 4:48:42 PM



#32

1,1,1-Trichloroethane

Concen: 17.656 ug/l

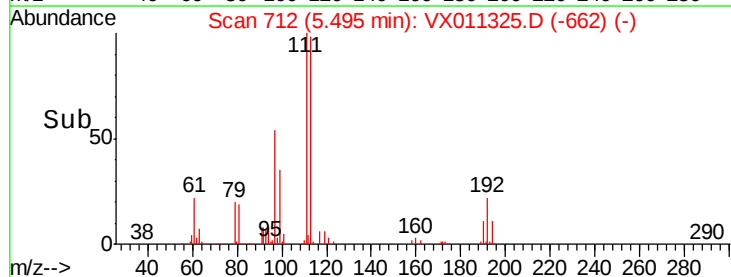
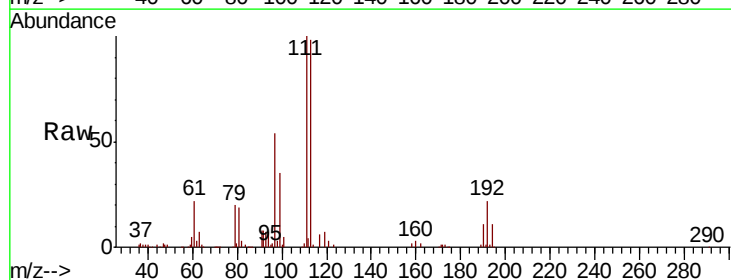
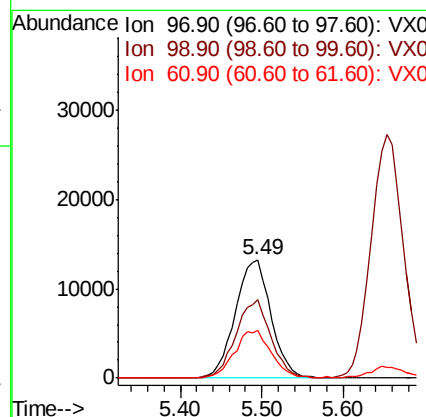
RT: 5.49 min Scan# 712

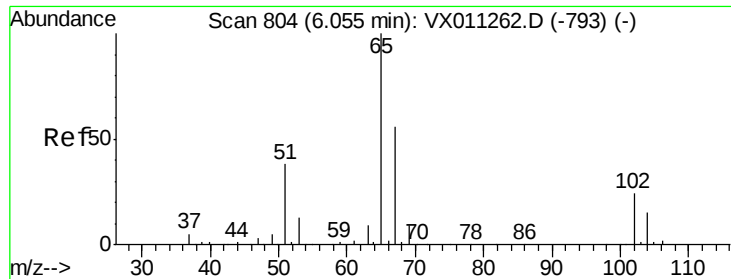
Delta R.T. 0.01 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Tgt Ion:	97	Resp:	40134
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	41.5	32.3	48.5





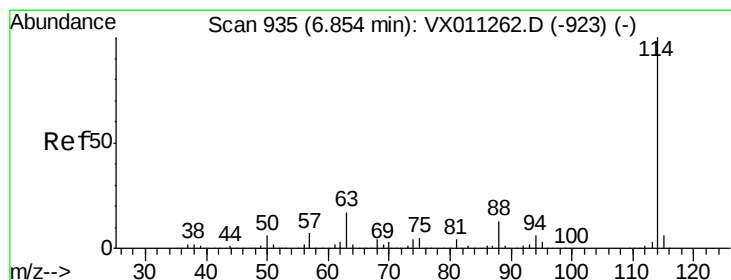
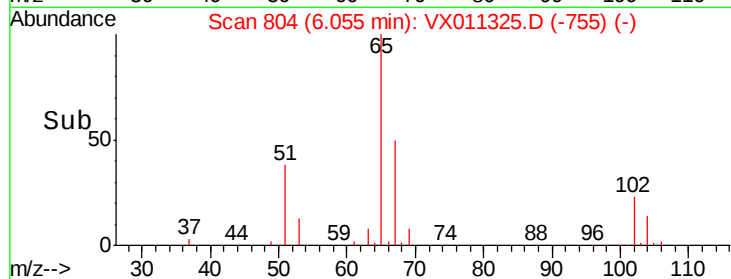
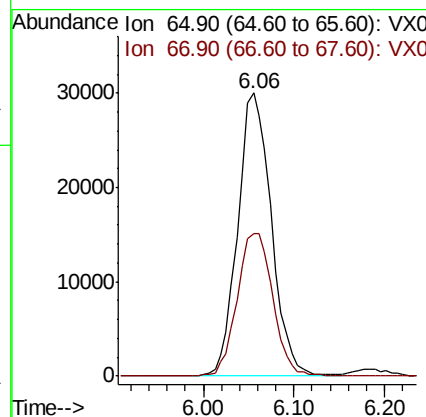
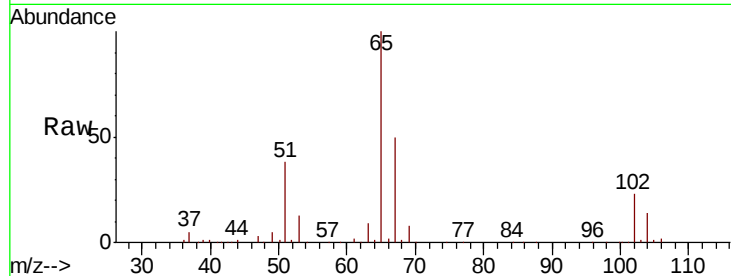
#33
 1,2-Dichloroethane-d4
 Concen: 49.305 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	110.6

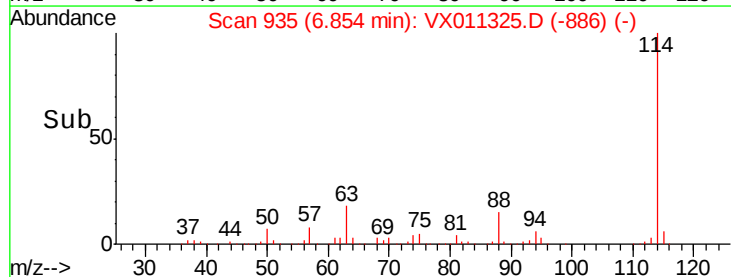
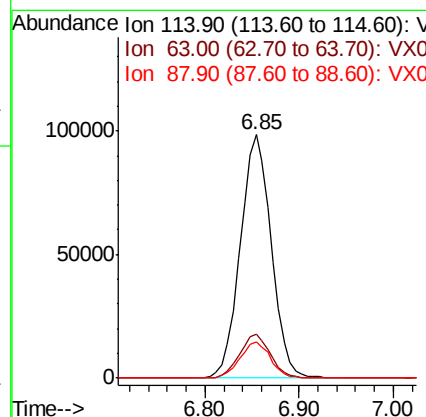
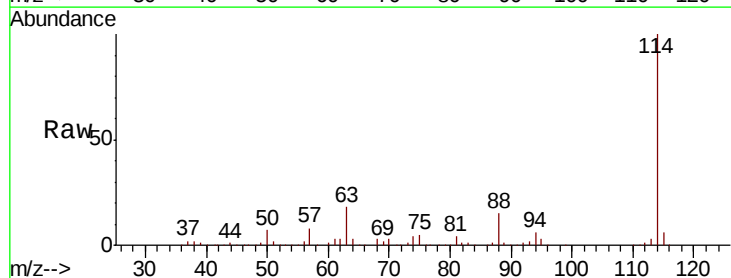
Manual Integrations
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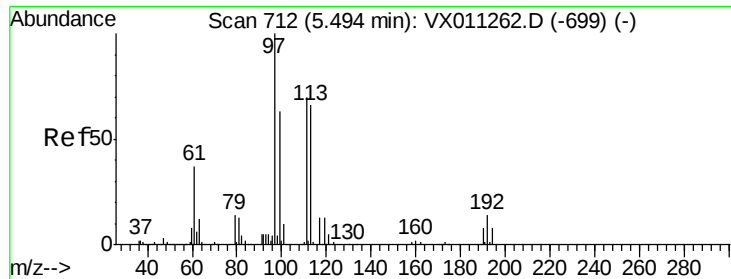
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	34.0
88	14.7	0.0	26.4





#35

Dibromofluoromethane

Concen: 48.123 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

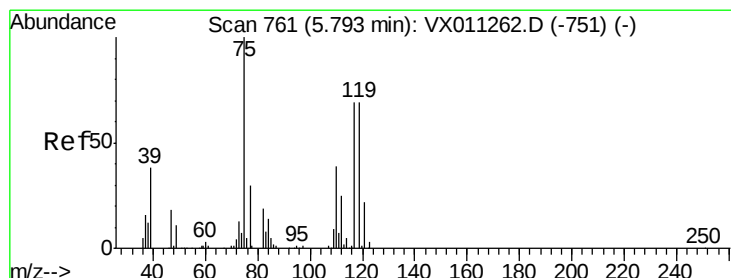
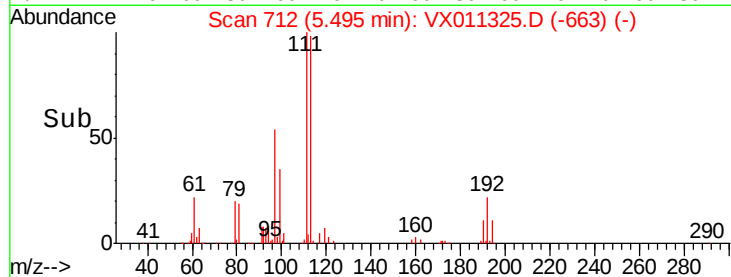
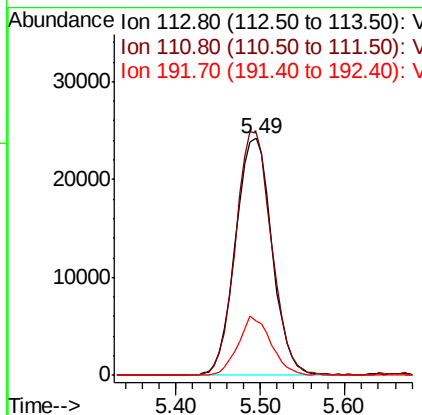
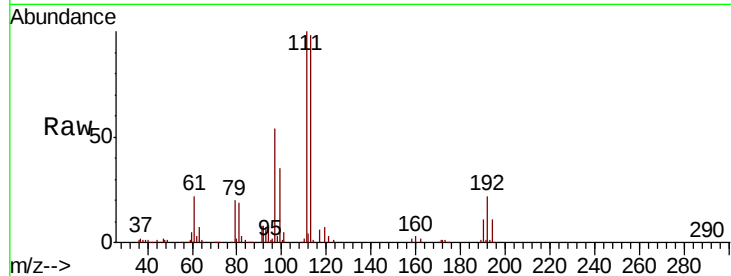
ClientSampleId :

VX0805WBSD01

Tot Ion:	113	Resp:	70891
Ion Ratio	Lower	Upper	
113	100		
111	101.3	81.9	122.9
192	22.4	17.8	26.8

Manual Integrations
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8/6/2019 4:48:42 PM



#36

1,1-Dichloropropene

Concen: 17.137 ug/l

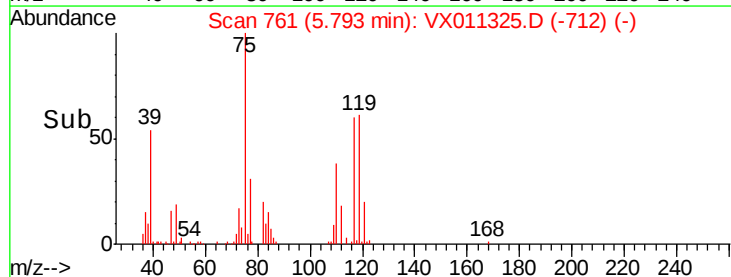
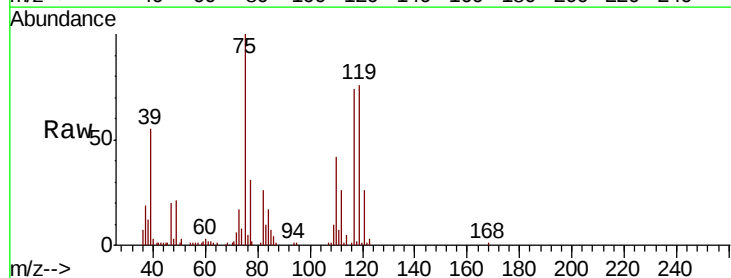
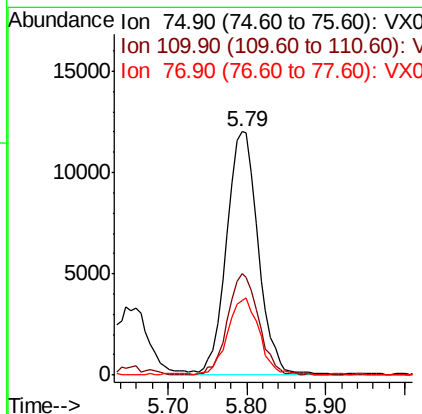
RT: 5.79 min Scan# 761

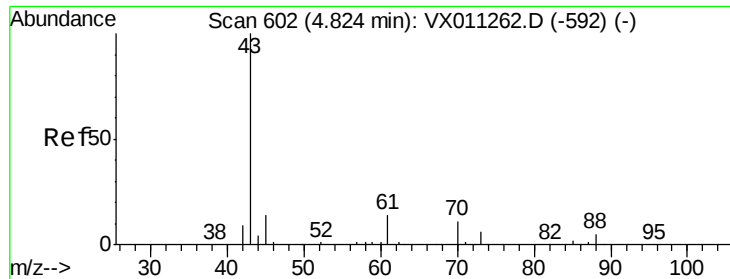
Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Tgt Ion:	75	Resp:	33761
Ion Ratio	Lower	Upper	
75	100		
110	40.6	20.0	59.9
77	31.6	24.8	37.2





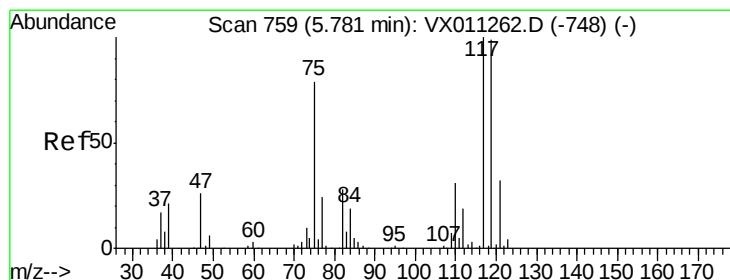
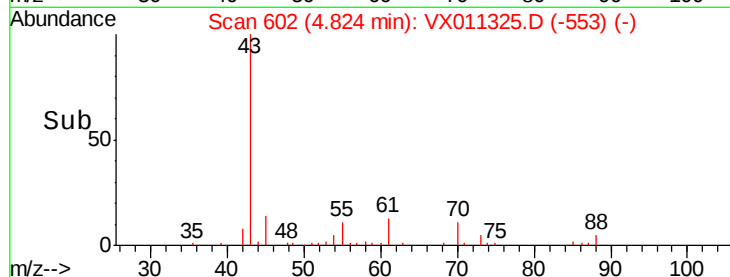
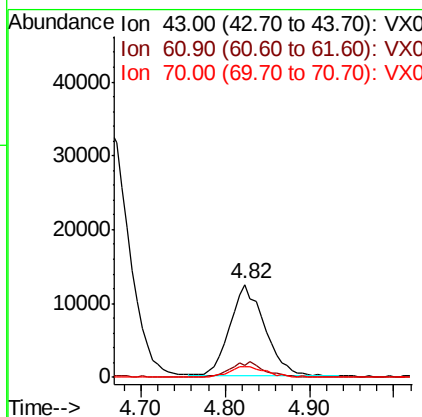
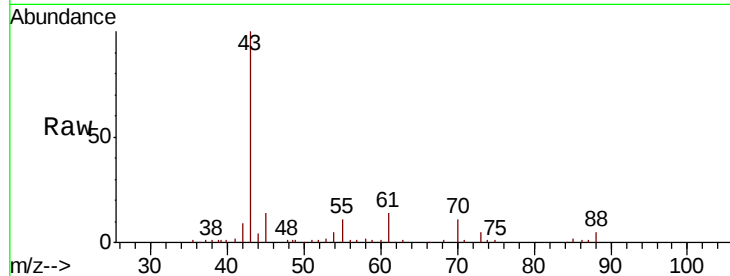
#37
Ethyl Acetate
Concen: 17.829 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.0	12.6	18.8
70	12.0	9.1	13.7

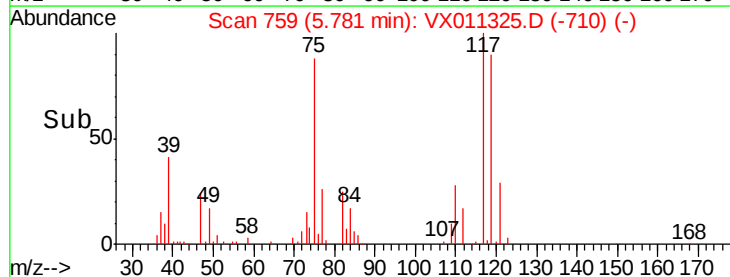
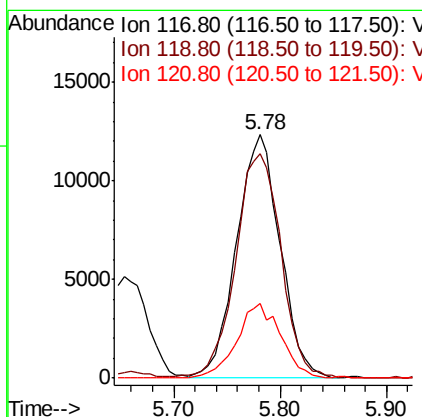
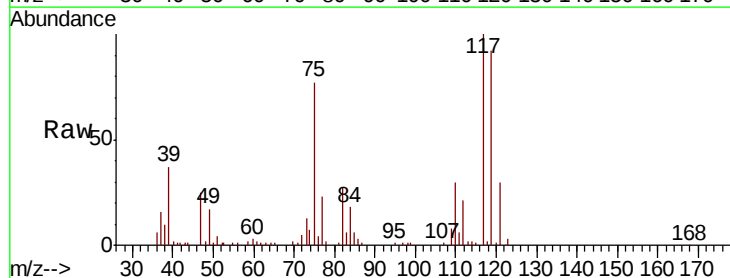
Manual Integrations
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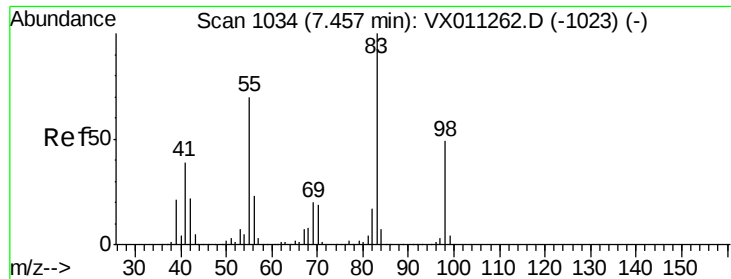
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#38
Carbon Tetrachloride
Concen: 17.823 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	79.0	118.4
121	30.4	25.9	38.9





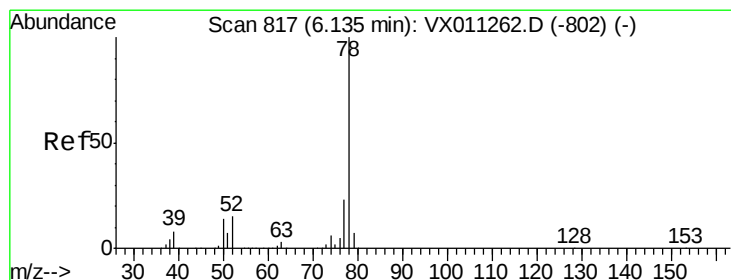
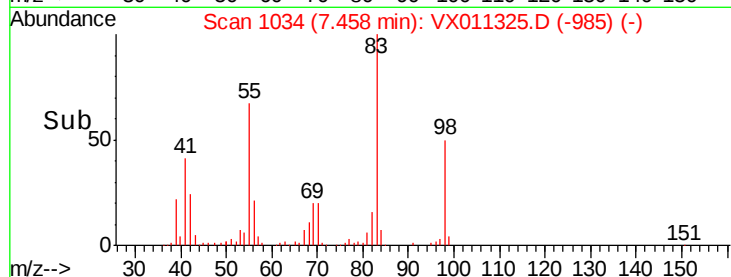
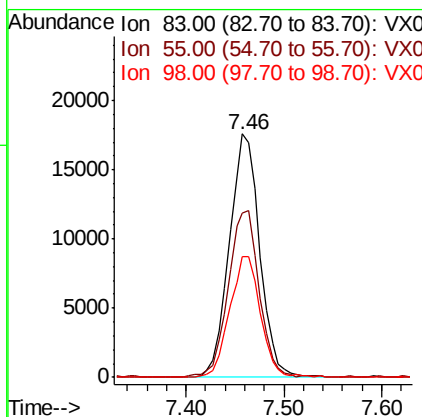
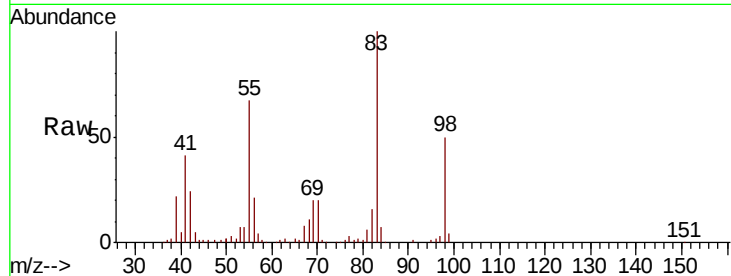
#39
Methvlcvclohexane
Concen: 16.192 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.2	56.1	84.1
98	49.7	39.0	58.4

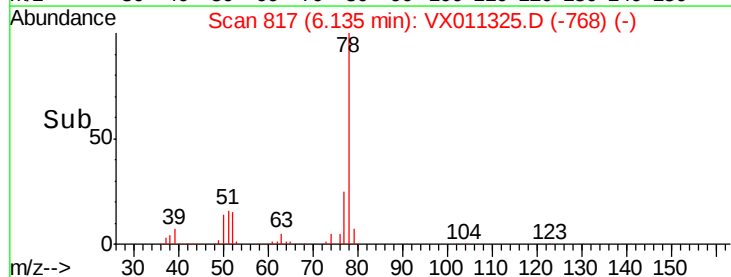
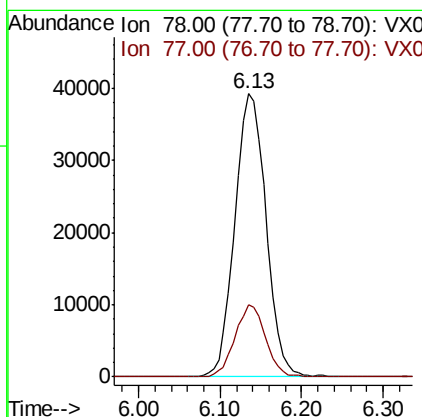
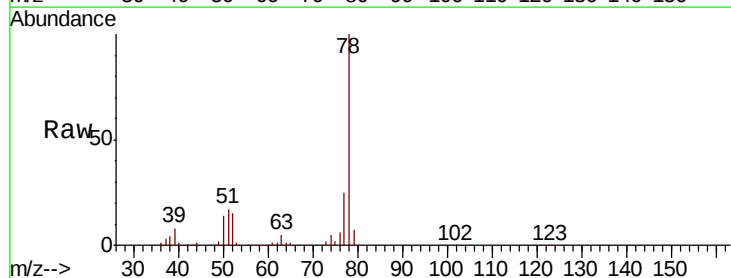
Manual Integrations
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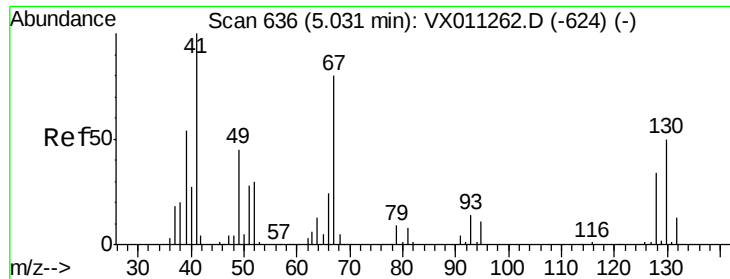
MMDadoda
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#40
Benzene
Concen: 17.685 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	18.2	27.2





#41

Methacrylonitrile

Concen: 17.096 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBSD01

Tot Ion: 41 Resp: 18450

Ion Ratio Lower Upper

41 100

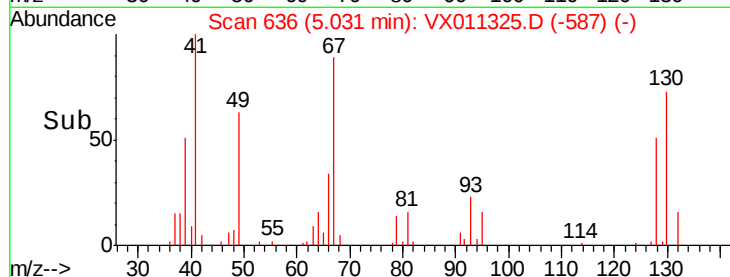
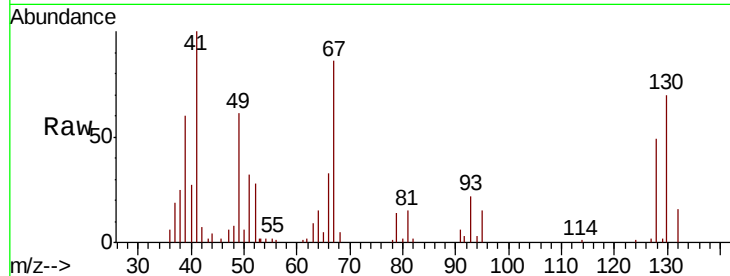
39 57.2 43.0 64.6

67 83.9 65.1 97.7

52 31.5 24.8 37.2

Manual Integrations
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8/6/2019 4:48:42 PM

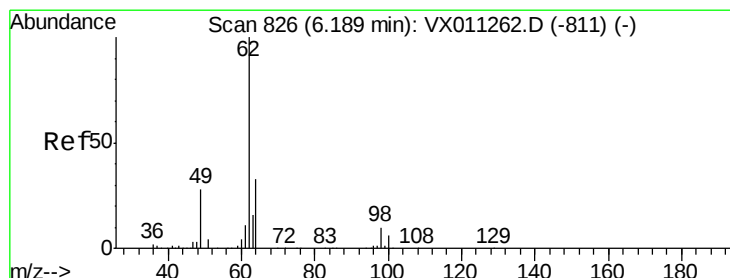
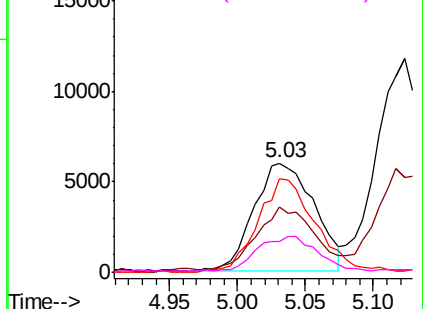


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 18.333 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

Lab File: VX011325.D

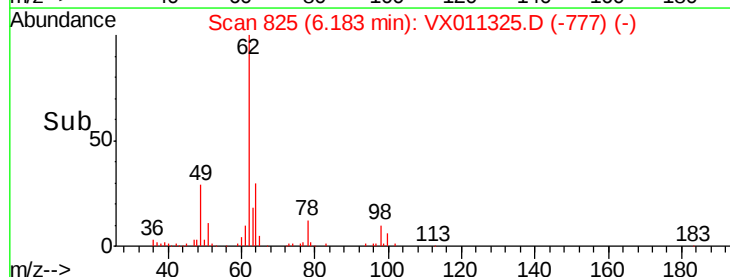
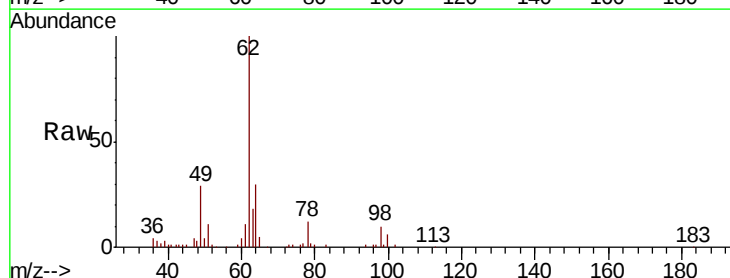
Acq: 05 Aug 2019 12:47

Tgt Ion: 62 Resp: 36443

Ion Ratio Lower Upper

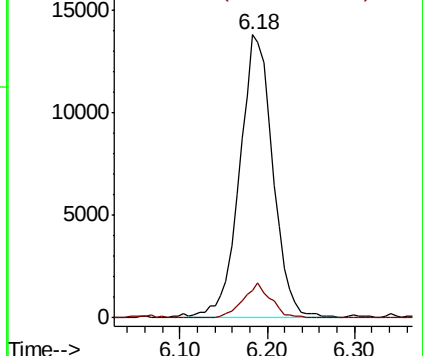
62 100

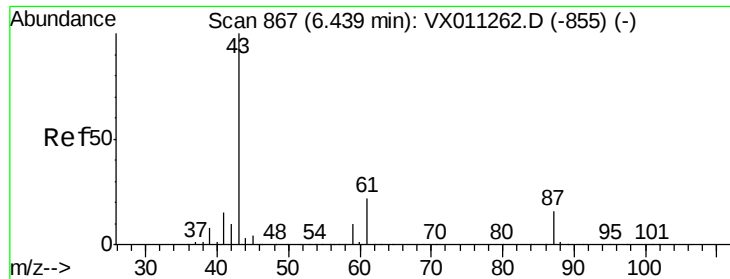
98 10.2 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

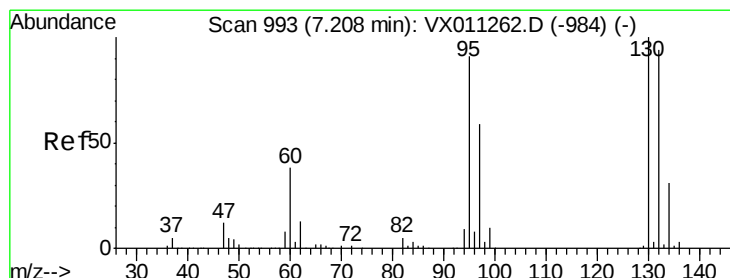
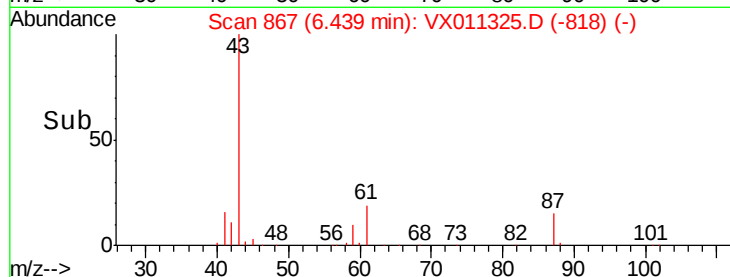
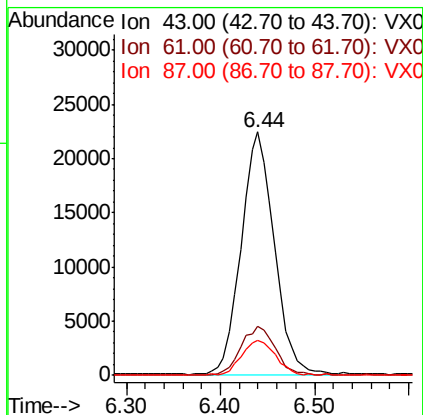
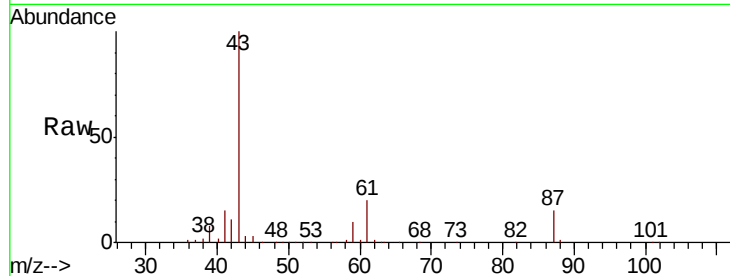
Isopropyl Acetate
 Concen: 17.231 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.5	24.7
87	15.3	12.1	18.1

Manual Integrations
 APPROVED

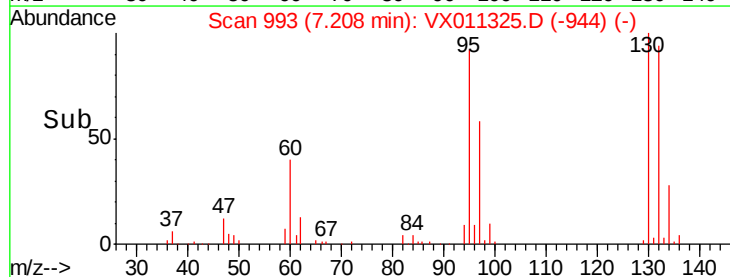
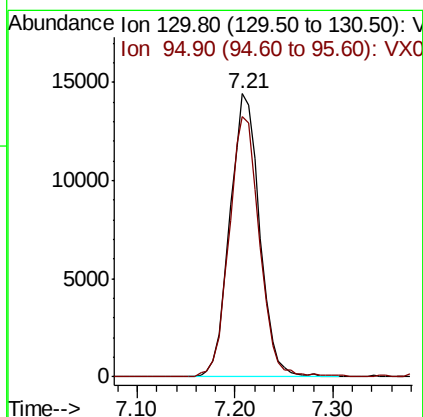
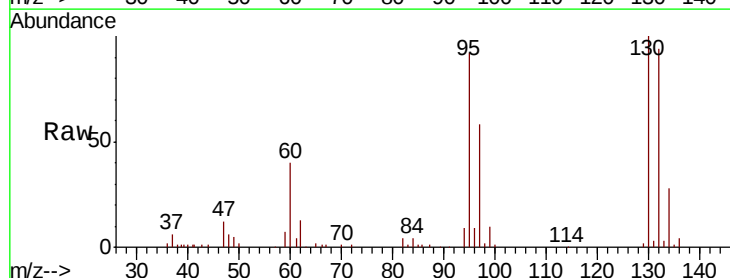
MMDadoda
 8/6/2019 4:48:42 PM



#44

Trichloroethene
 Concen: 17.092 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	182.6





#45

1,2-Dichloropropane

Concen: 17.571 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBSD01

Tot Ion: 63 Resp: 26752

Ion Ratio Lower Upper

63 100

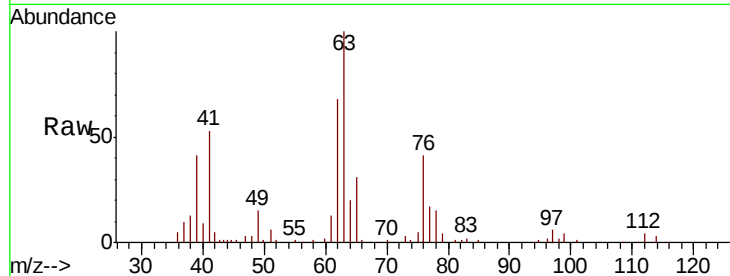
65 30.5 23.3 34.9

Manual Integrations

APPROVED

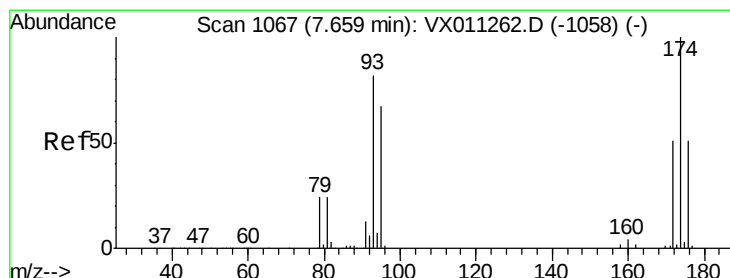
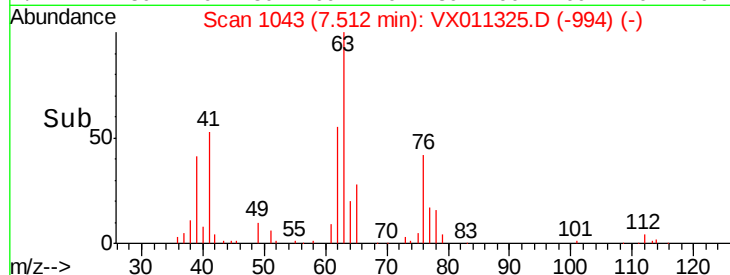
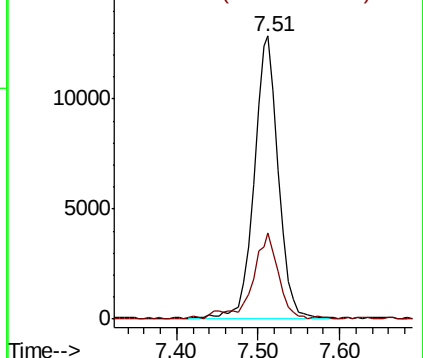
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 17.082 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

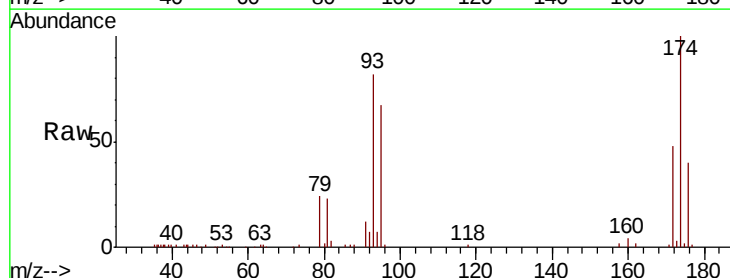
Tgt Ion: 93 Resp: 18985

Ion Ratio Lower Upper

93 100

95 84.7 66.4 99.6

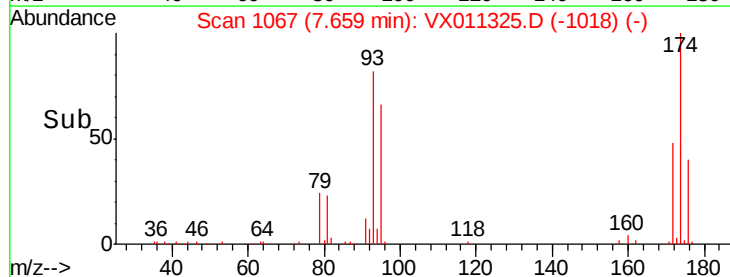
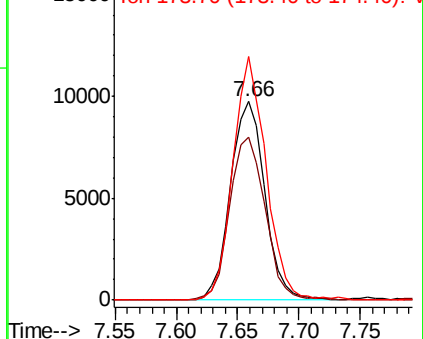
174 117.1 93.4 140.2

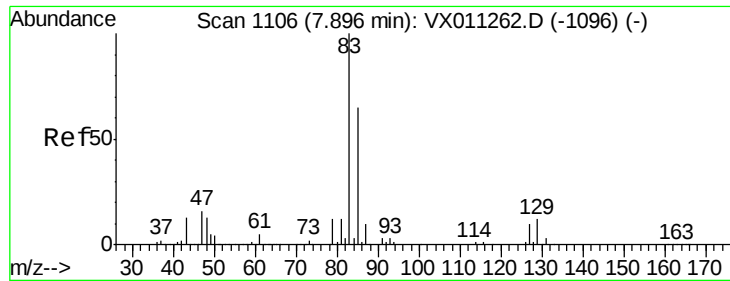


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





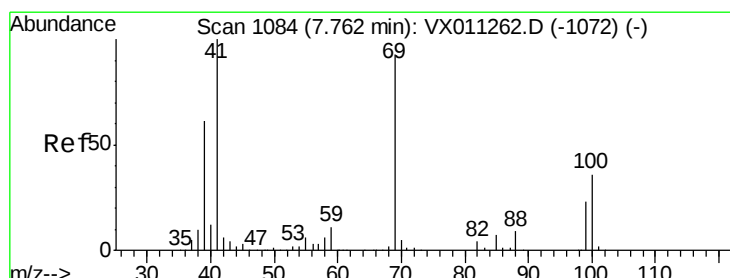
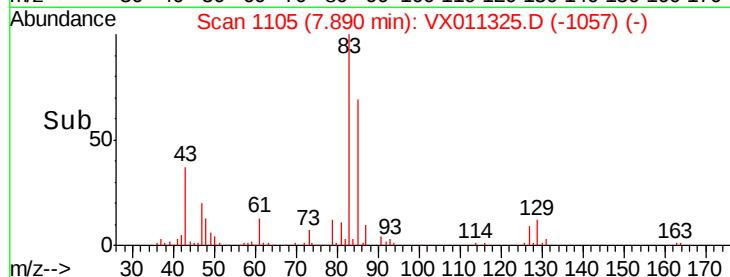
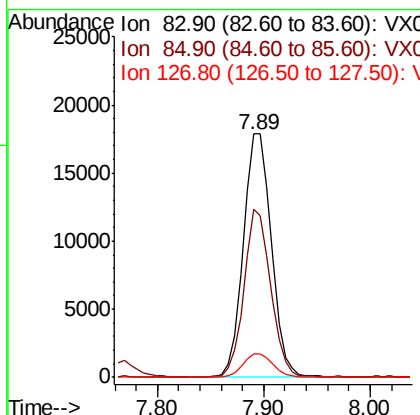
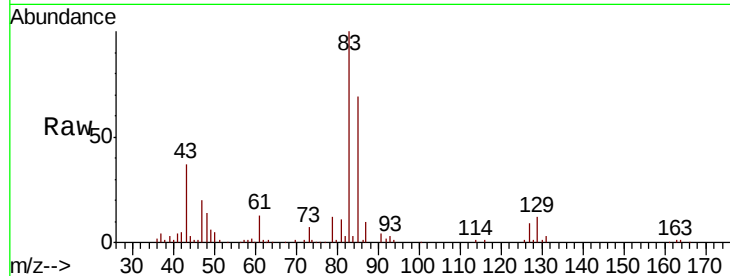
#47
 Bromodichloromethane
 Concen: 17.654 ug/l
 RT: 7.89 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	33220		
85	68.9		52.2	78.2
127	9.5		7.8	11.8

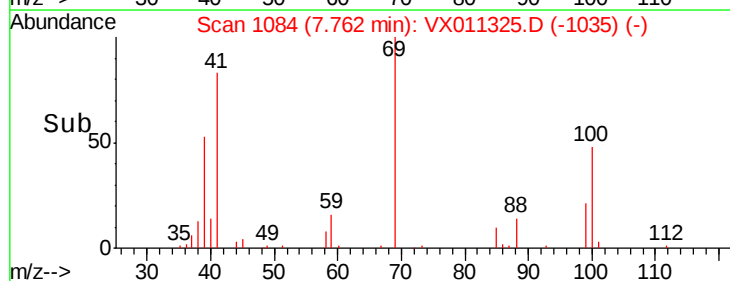
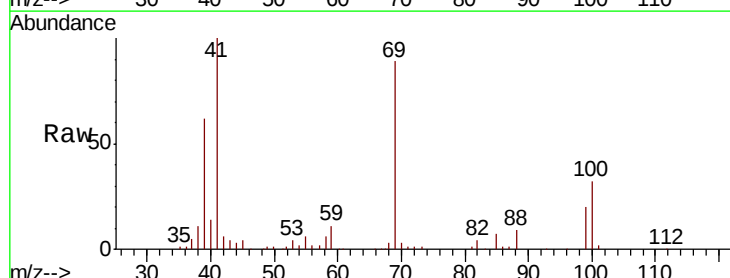
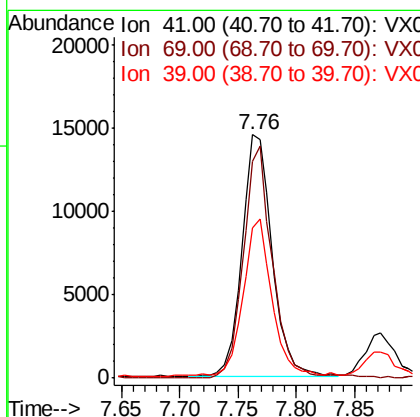
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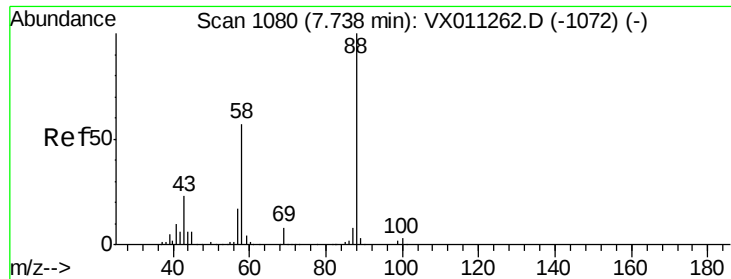
MMDadoda
 8/6/2019 4:48:42 PM



#48
 Methyl methacrylate
 Concen: 17.624 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	26204		
69	94.1		74.5	111.7
39	63.8		48.6	72.8





#49

1,4-Dioxane

Concen: 347.929 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

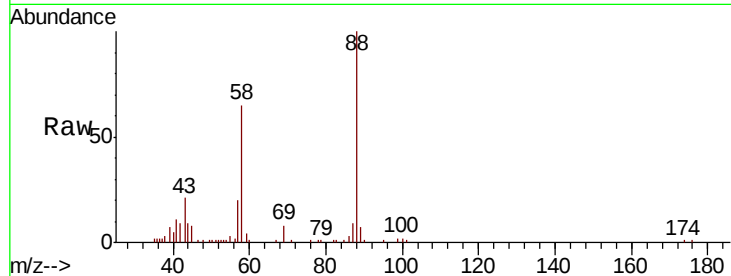
ClientSampleId :

VX0805WBSD01

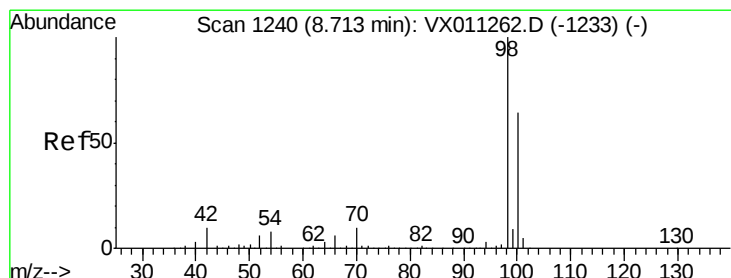
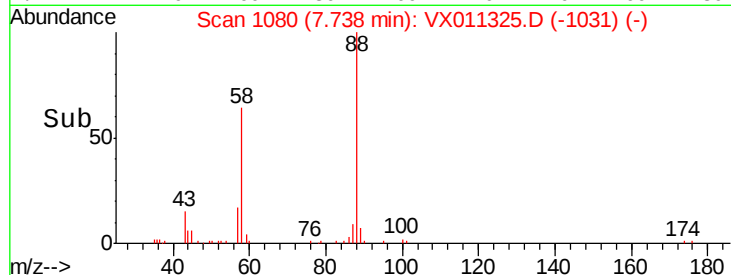
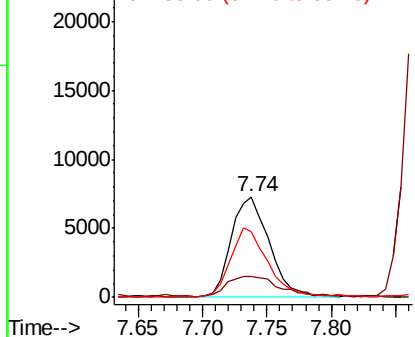
Tot Ion:	88	Resp:	14997
Ion	Ratio	Lower	Upper
88	100		
43	27.7	22.2	33.2
58	67.2	47.8	71.8

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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 47.817 ug/l

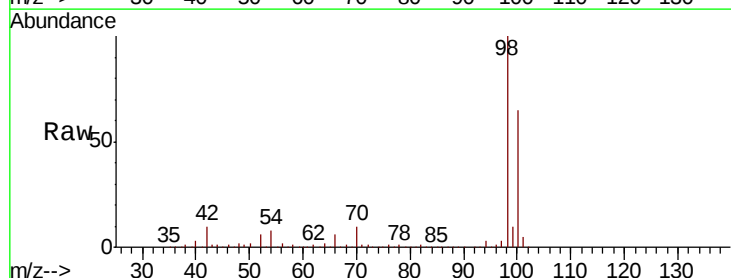
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

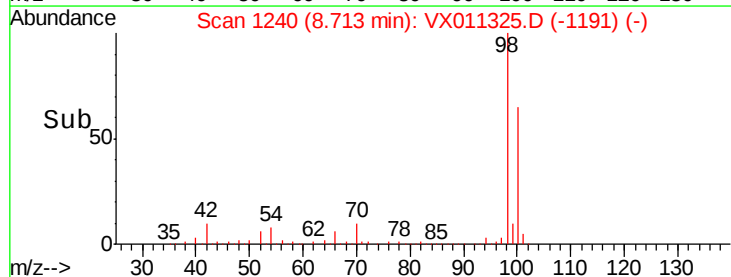
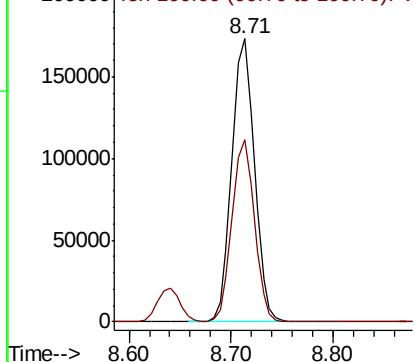
Lab File: VX011325.D

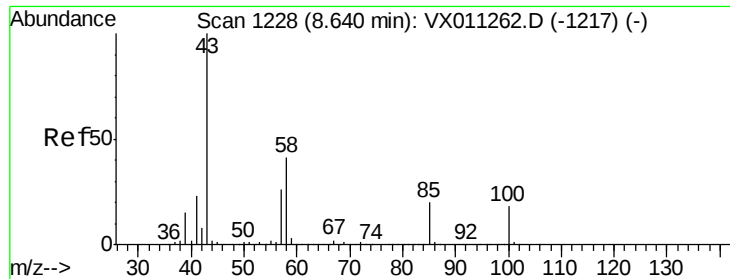
Acq: 05 Aug 2019 12:47

Tgt Ion:	98	Resp:	265893
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





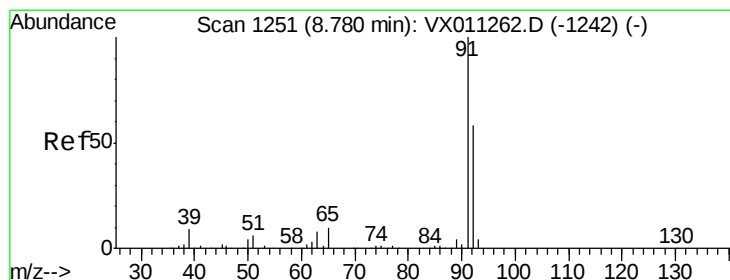
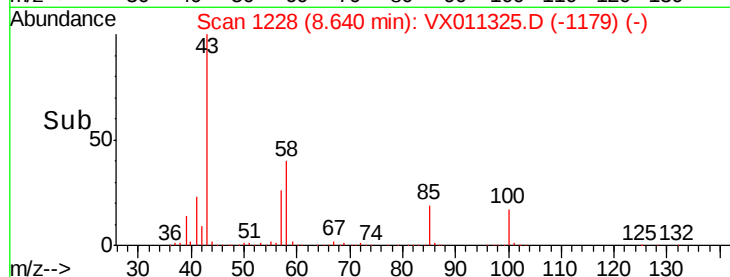
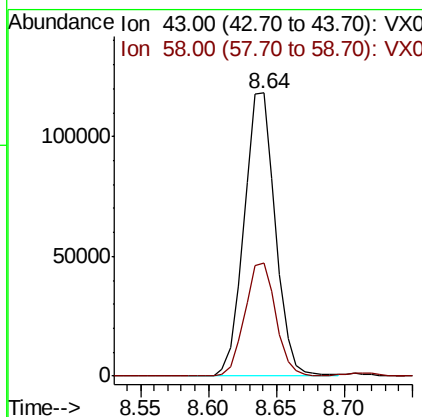
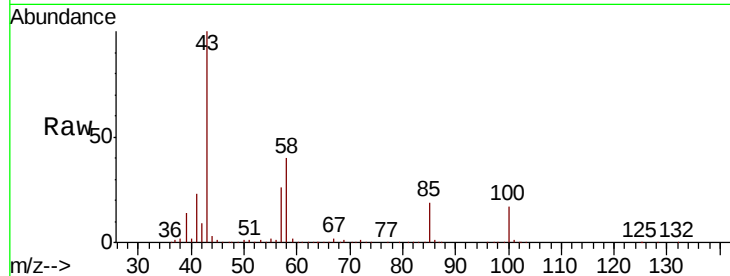
#51
 4-Methyl-2-Pentanone
 Concen: 93.317 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0805WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.8	32.3	48.5

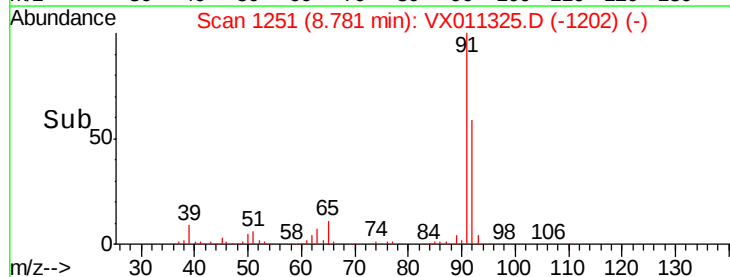
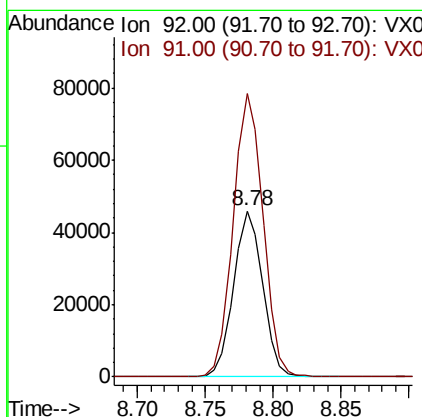
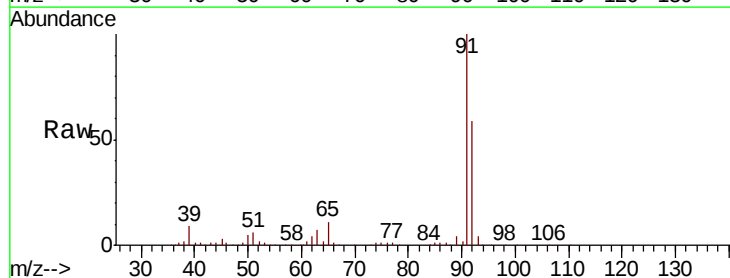
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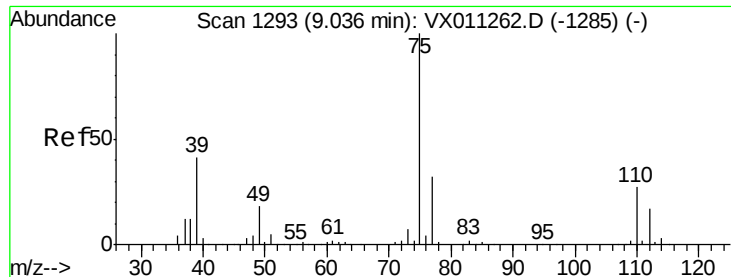
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#52
 Toluene
 Concen: 17.662 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.2	139.4	209.0





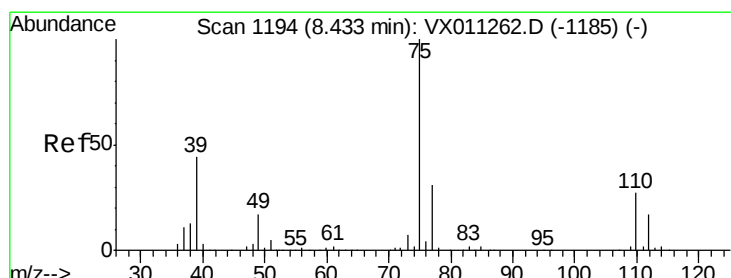
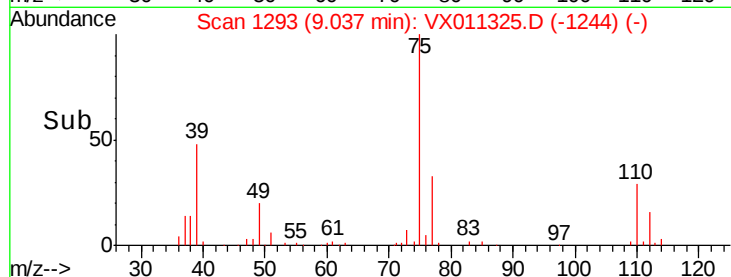
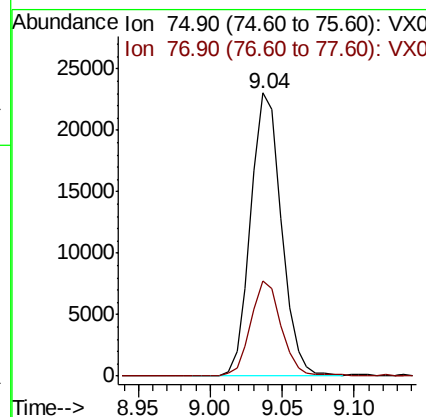
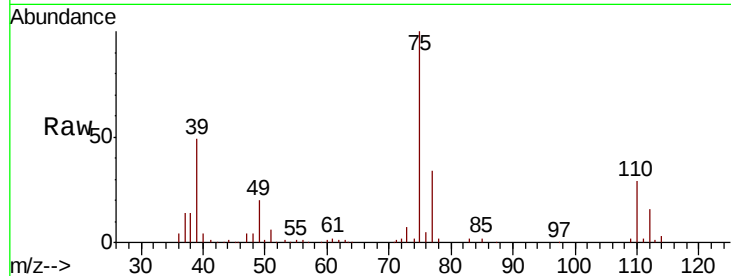
#53
t-1,3-Dichloropropene
Concen: 17.502 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBSD01

Tot Ion: 75 Resp: 34068
Ion Ratio Lower Upper
75 100
77 33.9 25.4 38.0

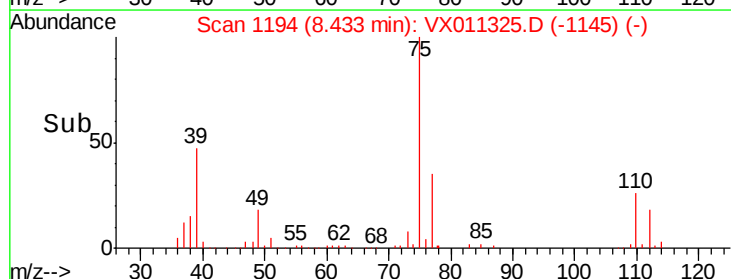
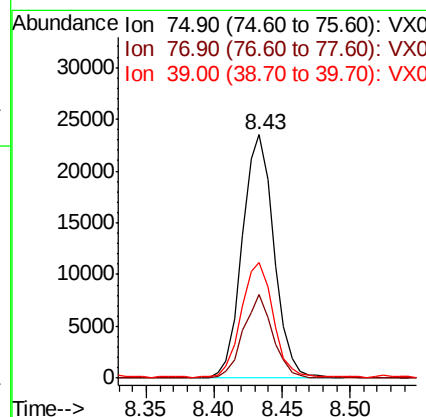
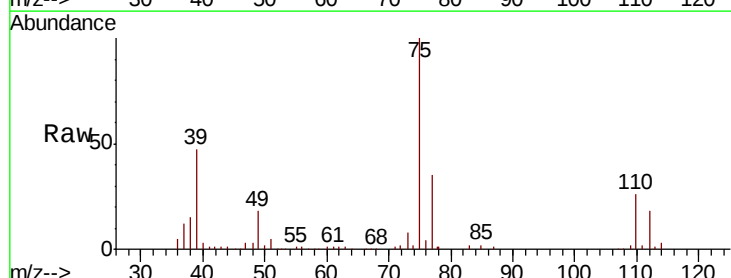
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#54
cis-1,3-Dichloropropene
Concen: 17.449 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion: 75 Resp: 38354
Ion Ratio Lower Upper
75 100
77 34.5 25.0 37.6
39 47.1 35.3 52.9





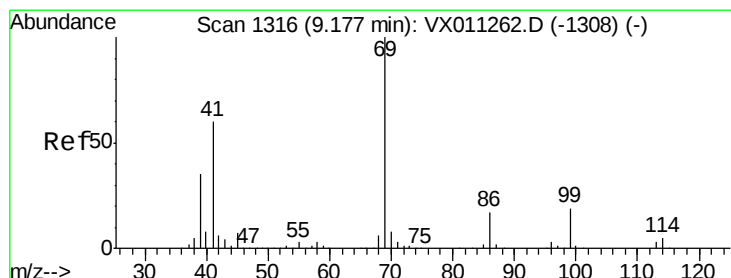
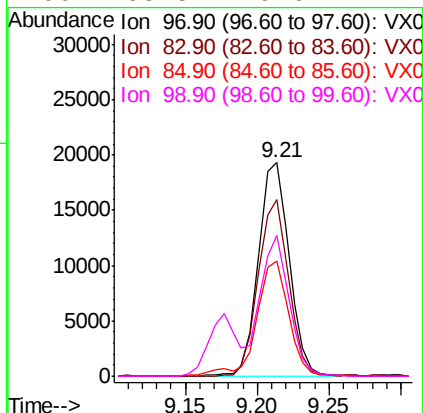
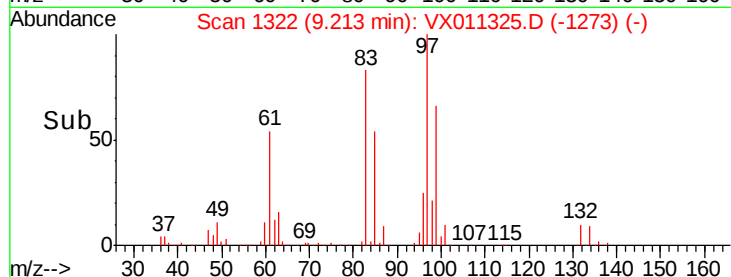
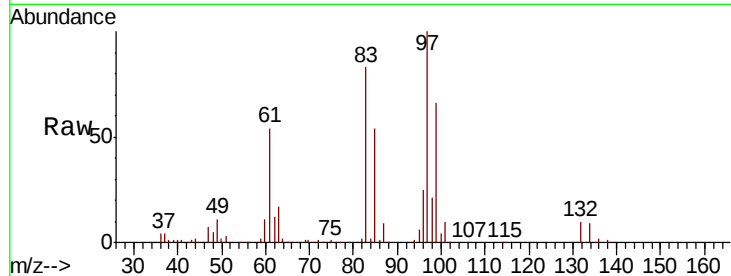
#55
 1,1,2-Trichloroethane
 Concen: 17.866 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBSD01

Tot Ion:	97	Resp:	28552
Ion	Ratio	Lower	Upper
97	100		
83	82.5	67.6	101.4
85	53.9	43.4	65.0
99	65.5	49.6	74.4

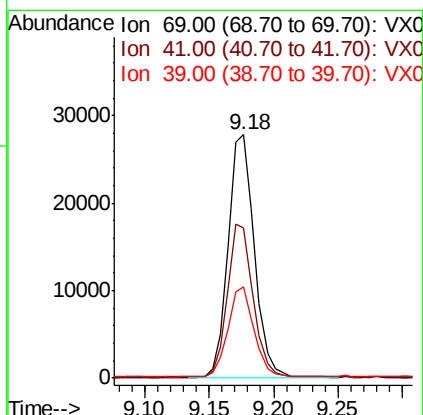
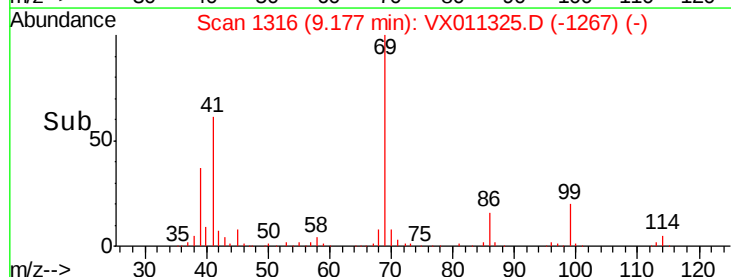
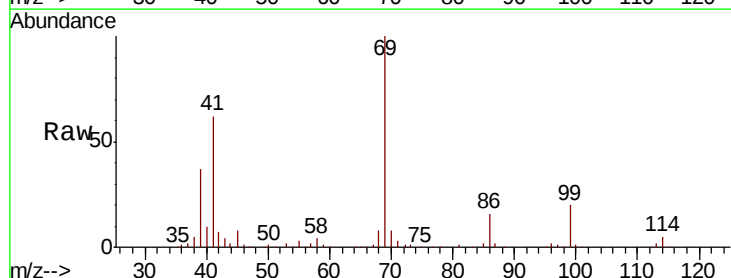
Manual Integrations
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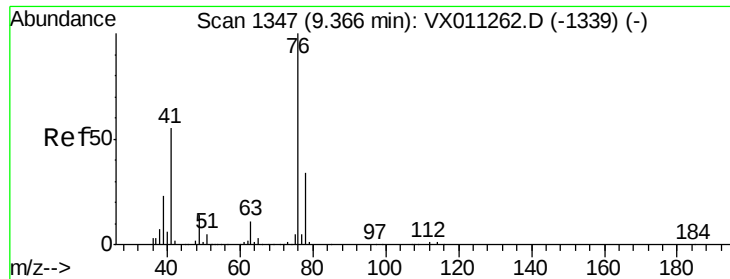
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 8/6/2019 4:48:42 PM



#56
 Ethyl methacrylate
 Concen: 17.610 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion:	69	Resp:	40104
Ion	Ratio	Lower	Upper
69	100		
41	62.5	48.6	73.0
39	37.0	29.4	44.2





#57

1,3-Dichloropropane

Concen: 17.703 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBSD01

Tot Ion: 76 Resp: 44741

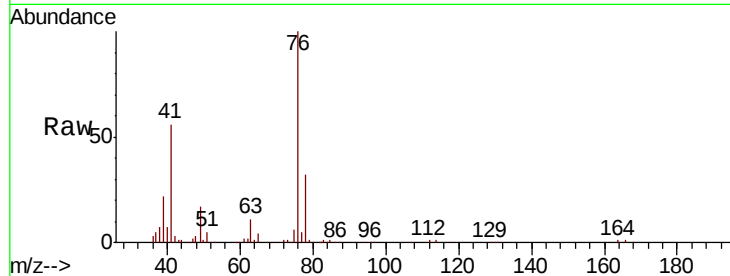
Ion Ratio Lower Upper

76 100

78 32.1 26.6 40.0

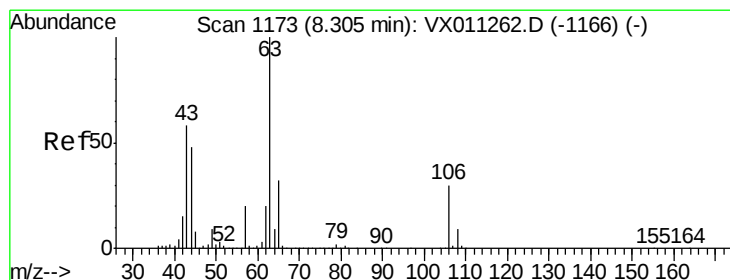
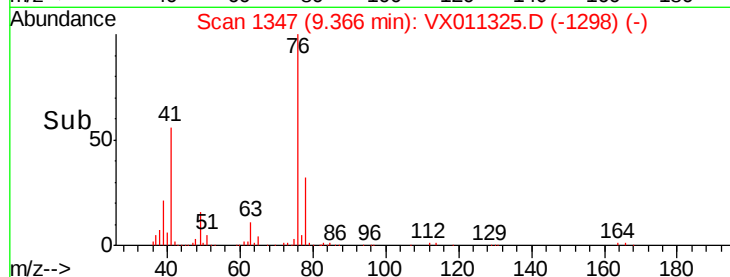
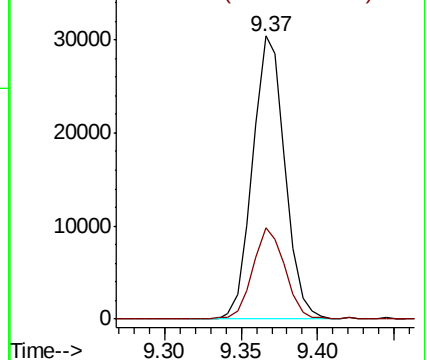
Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:42 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 93.776 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011325.D

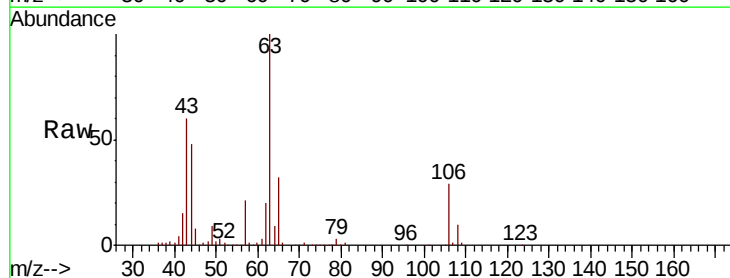
Acq: 05 Aug 2019 12:47

Tgt Ion: 63 Resp: 105006

Ion Ratio Lower Upper

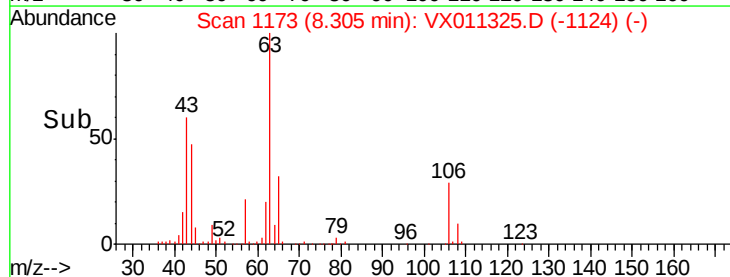
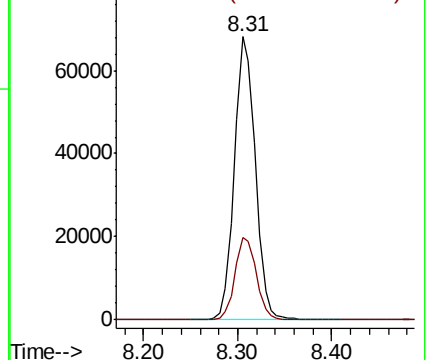
63 100

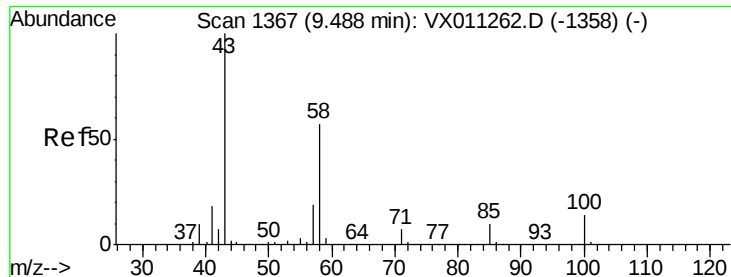
106 29.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





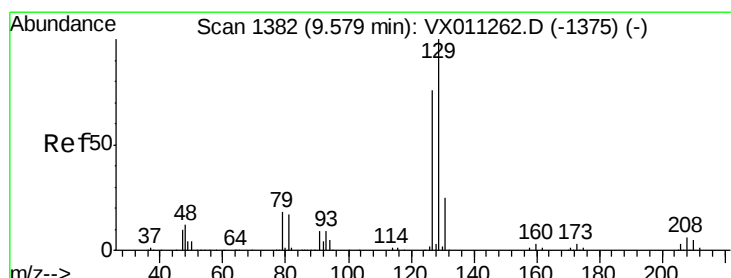
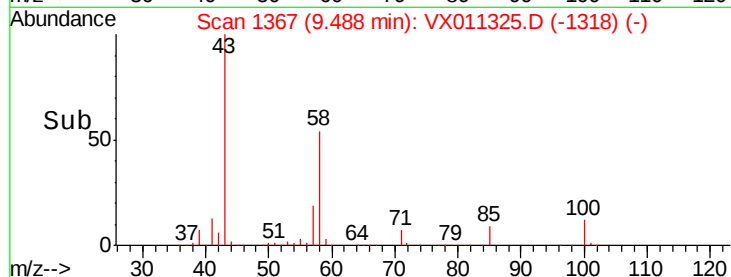
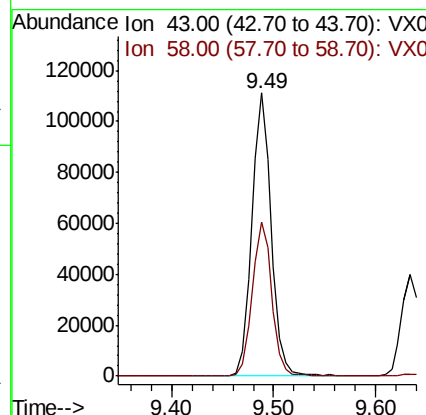
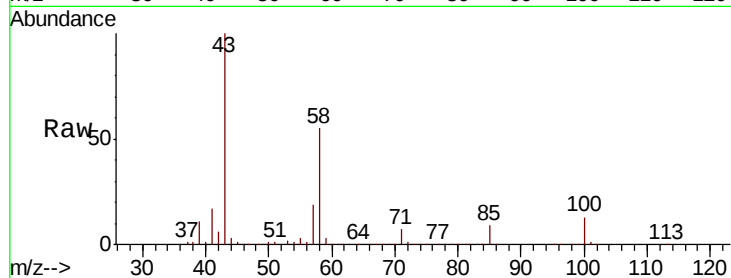
#59
2-Hexanone
Concen: 92.455 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBSD01

Tot Ion: 43 Resp: 146009
Ion Ratio Lower Upper
43 100
58 55.5 28.2 84.6

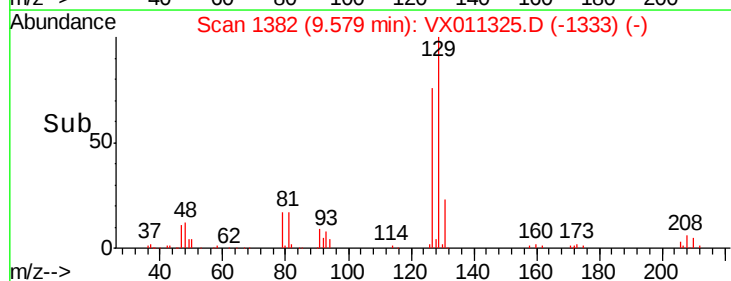
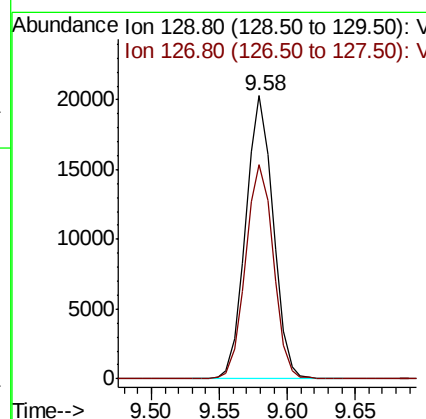
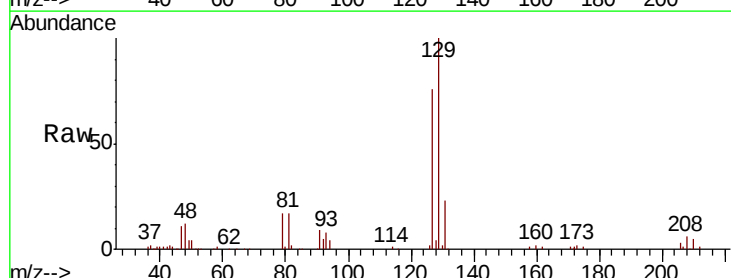
Manual Integrations
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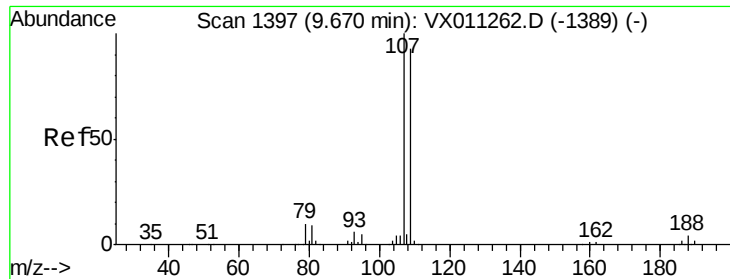
MMDadoda
8/6/2019 4:48:42 PM



#60
Dibromochloromethane
Concen: 17.613 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion: 129 Resp: 28817
Ion Ratio Lower Upper
129 100
127 76.1 39.2 117.6





#61

1,2-Dibromoethane

Concen: 17.135 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBSD01

Tot Ion:107 Resp: 29584

Ion Ratio Lower Upper

107 100

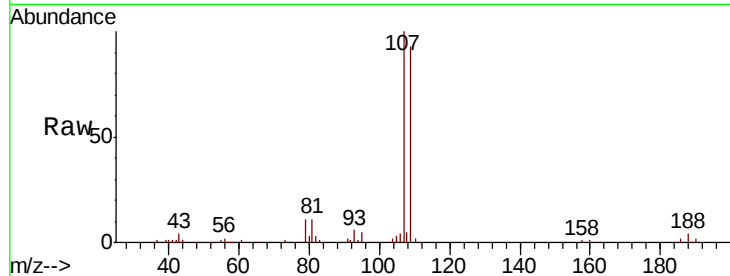
109 95.1 76.6 114.8

Manual Integrations

APPROVED

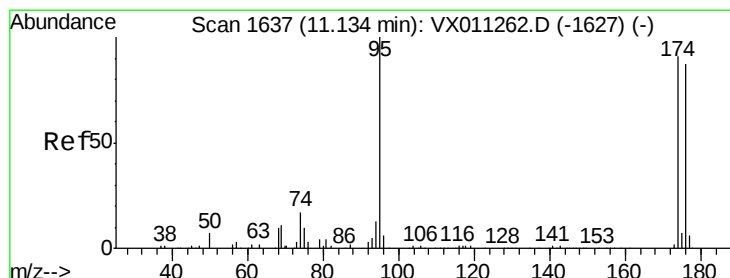
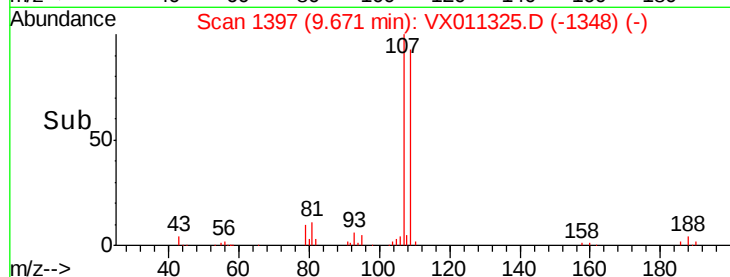
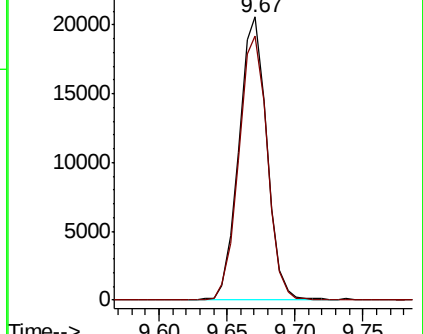
MMDadoda

8/6/2019 4:48:42 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.898 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

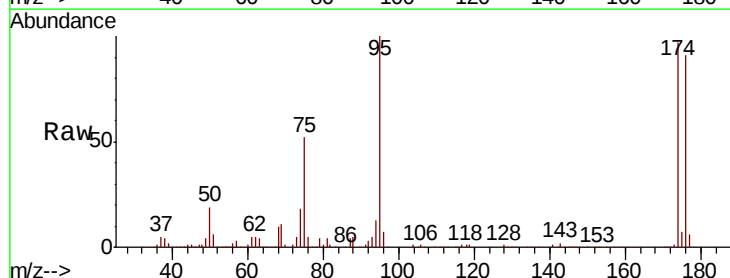
Tgt Ion: 95 Resp: 93107

Ion Ratio Lower Upper

95 100

174 94.6 0.0 191.2

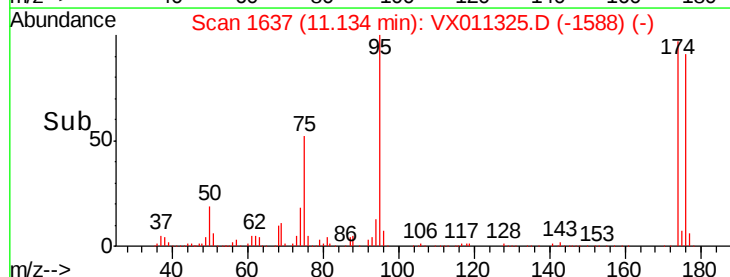
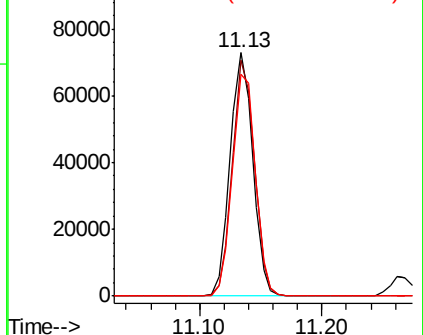
176 92.5 0.0 184.8

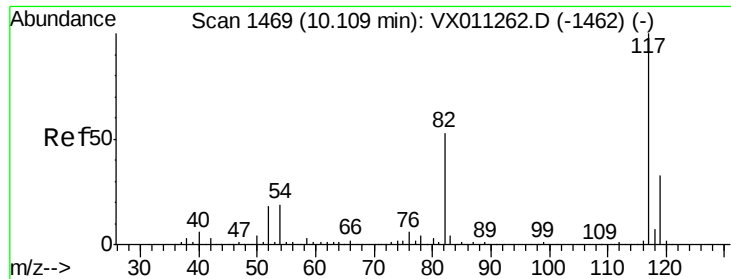


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





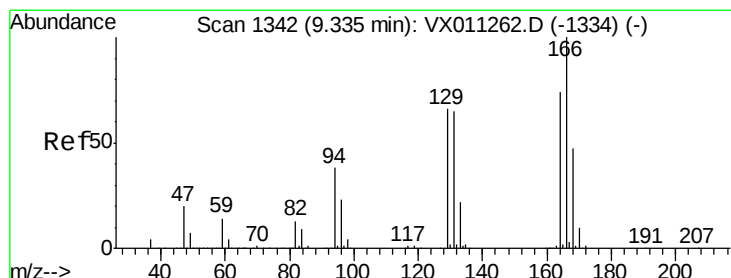
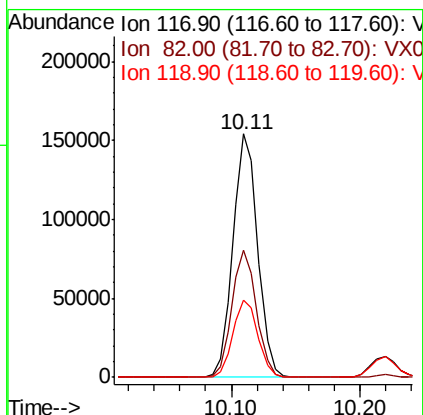
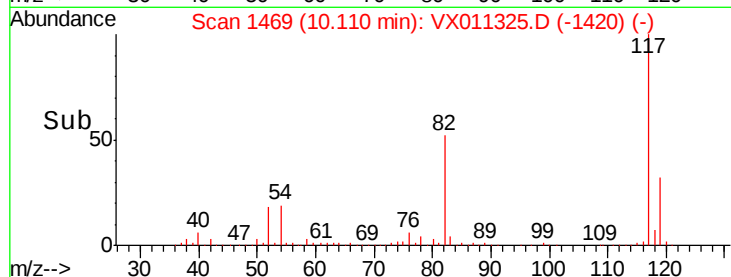
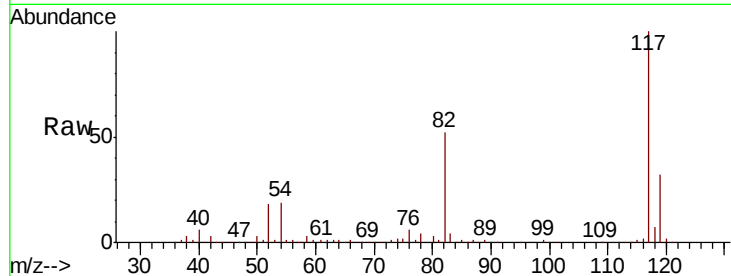
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.2	63.2
119	31.9	26.6	39.8

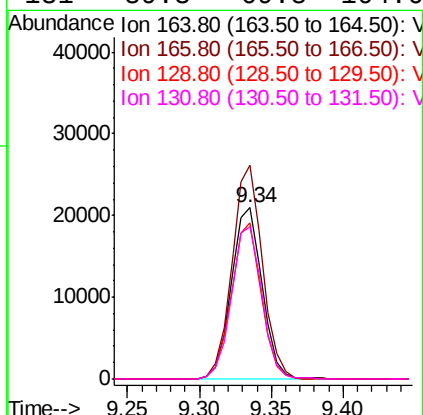
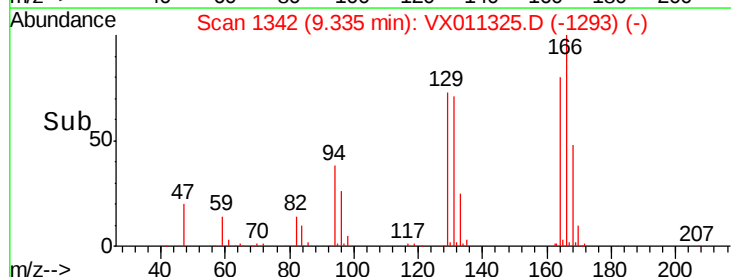
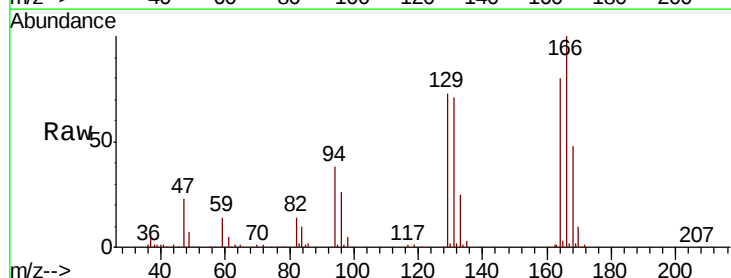
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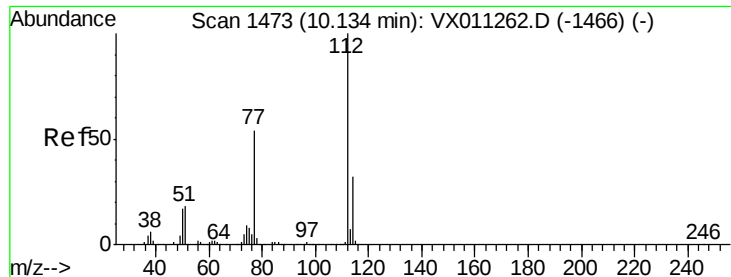
MMDadoda
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#64
Tetrachloroethene
Concen: 17.863 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	107.5	161.3
129	91.7	71.0	106.4
131	89.3	69.8	104.6





#65

Chlorobenzene

Concen: 17.711 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBSD01

Tot Ion:112 Resp: 78376

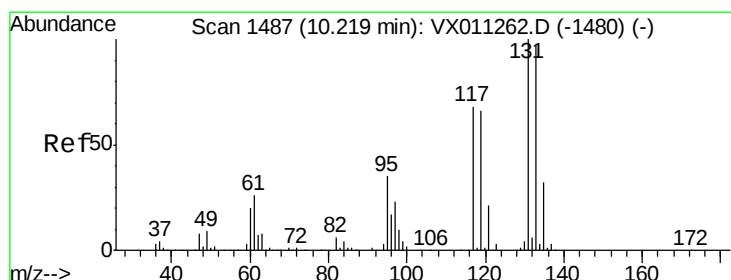
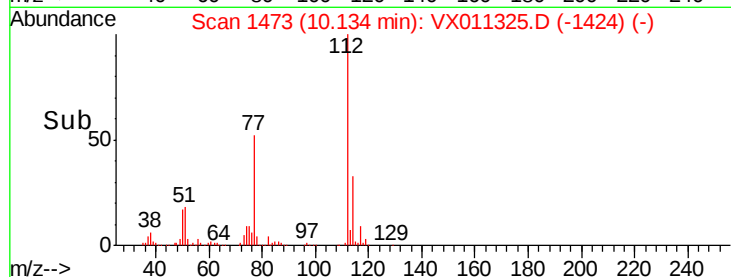
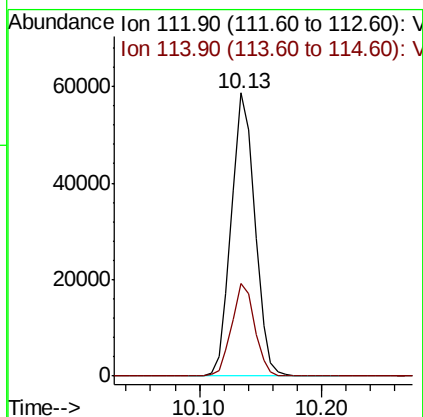
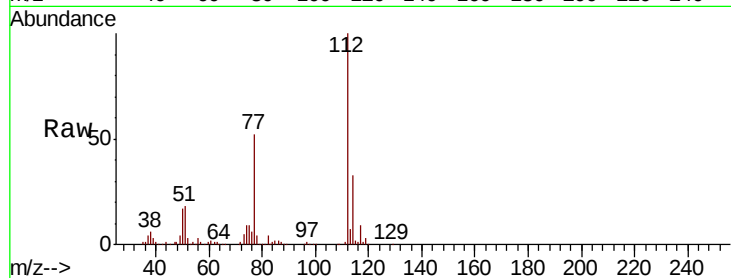
Ion Ratio Lower Upper

112 100

114 32.9 25.9 38.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.163 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

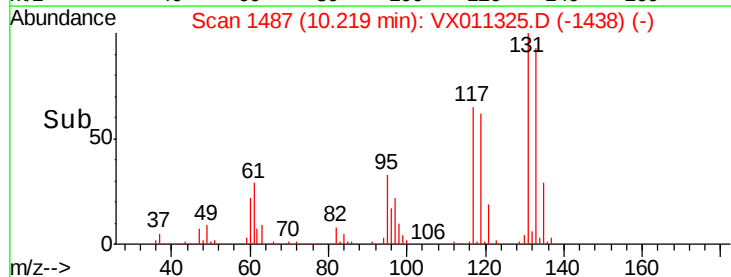
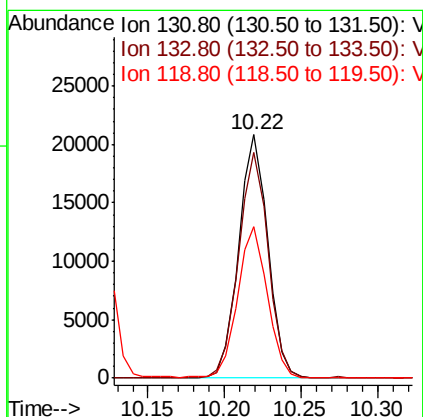
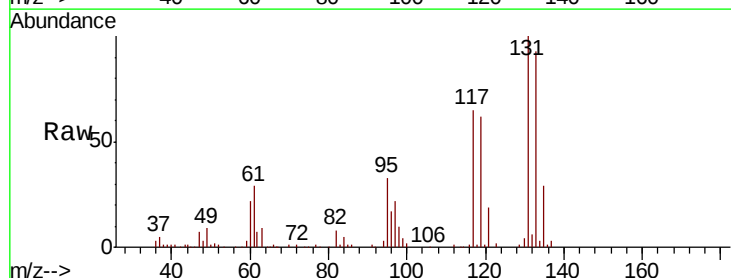
Tgt Ion:131 Resp: 27517

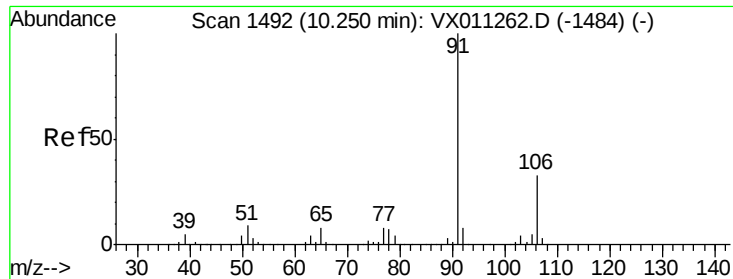
Ion Ratio Lower Upper

131 100

133 94.5 47.7 143.1

119 63.7 32.8 98.3





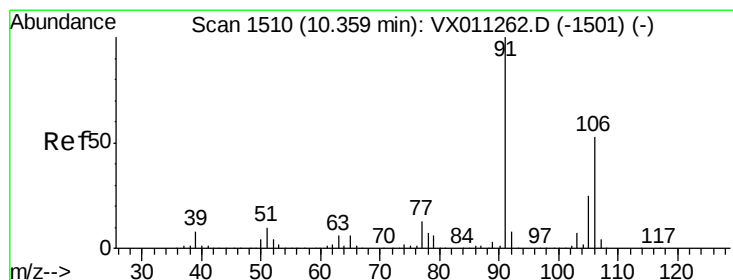
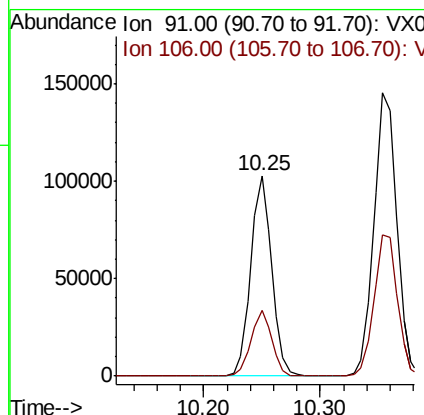
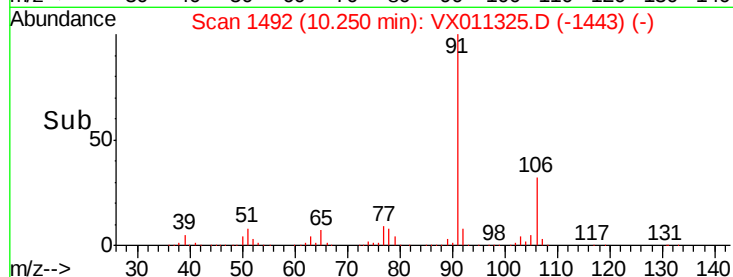
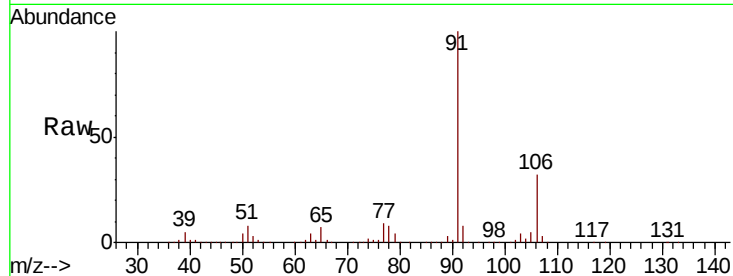
#67
Ethyl Benzene
Concen: 17.497 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBSD01

Tot Ion: 91 Resp: 129676
Ion Ratio Lower Upper
91 100
106 32.5 26.2 39.4

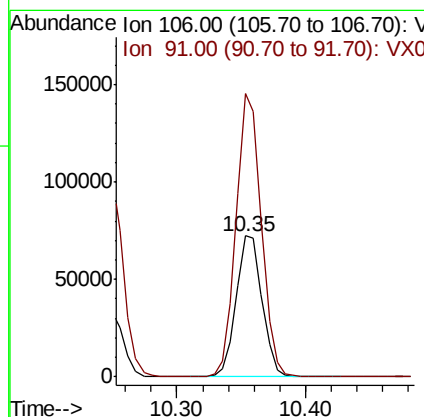
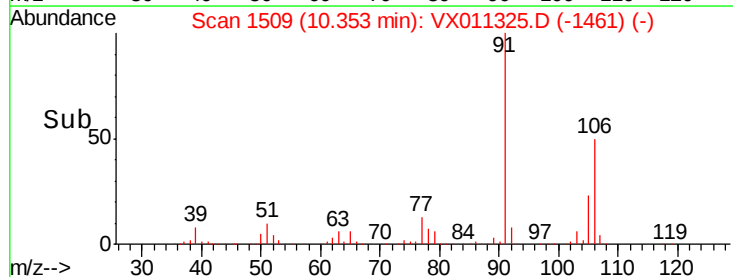
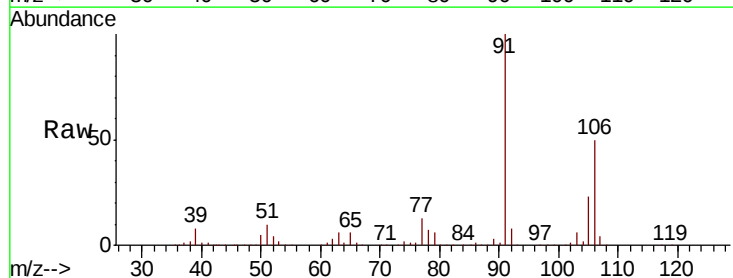
Manual Integrations
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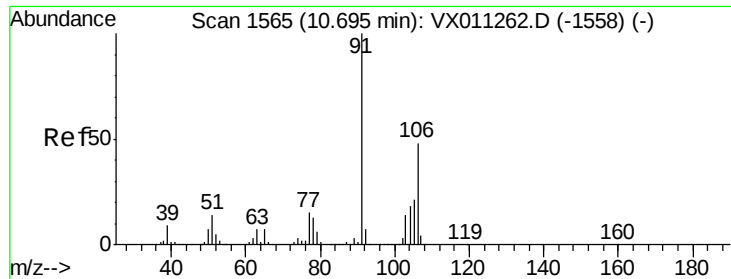
MMDadoda
8/6/2019 4:48:42 PM



#68
m/p-Xylenes
Concen: 35.472 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion: 106 Resp: 101687
Ion Ratio Lower Upper
106 100
91 195.3 155.9 233.9





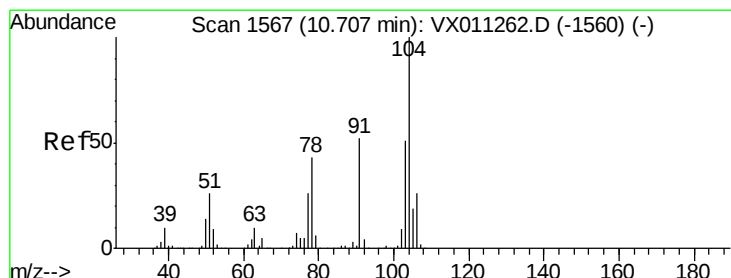
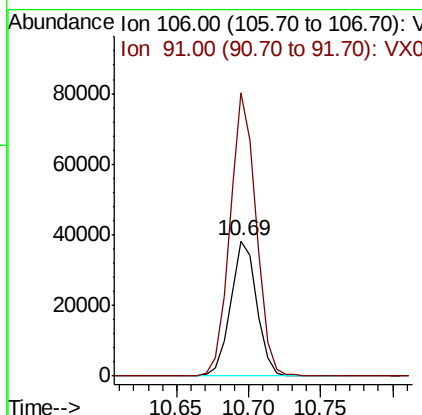
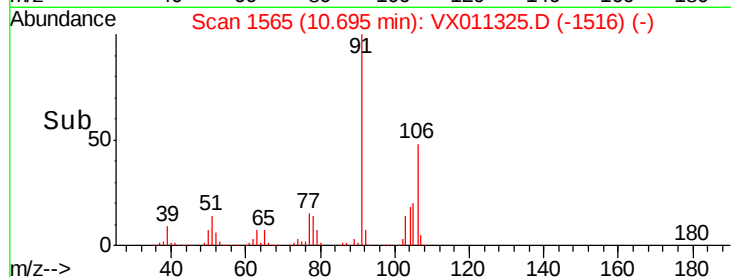
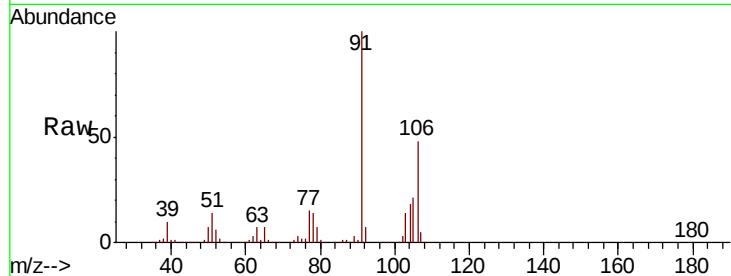
#69
o-Xylene
Concen: 17.409 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		49034		
91	208.5	103.8	311.3		

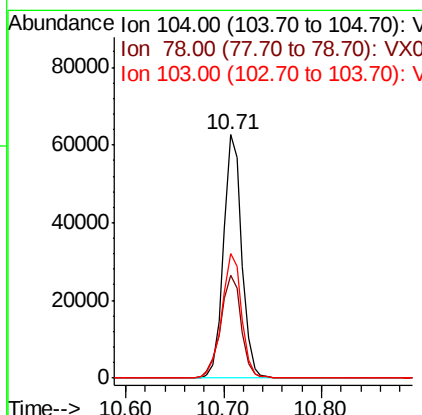
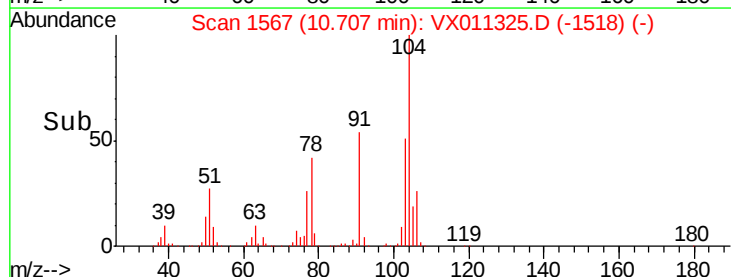
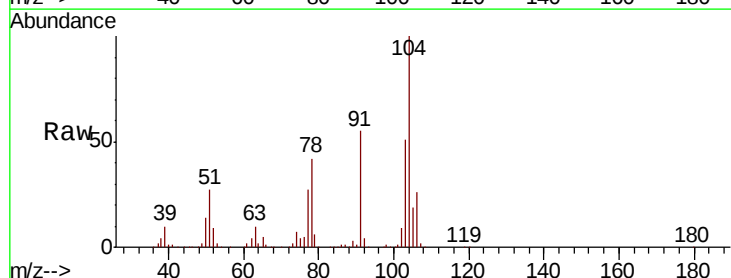
Manual Integrations
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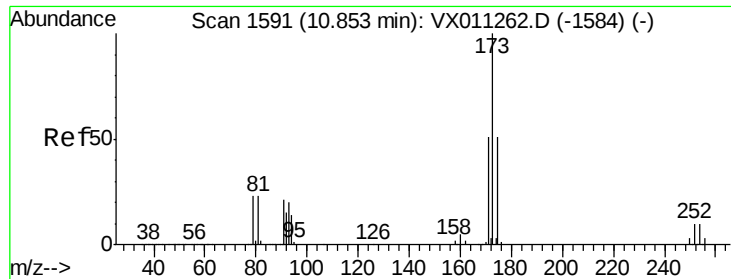
MMDadoda
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#70
Styrene
Concen: 17.393 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		81061		
78	48.0	36.9	55.3		
103	55.9	44.4	66.6		





#71

Bromoform

Concen: 17.178 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBSD01

Tot Ion:173 Resp: 20597

Ion Ratio Lower Upper

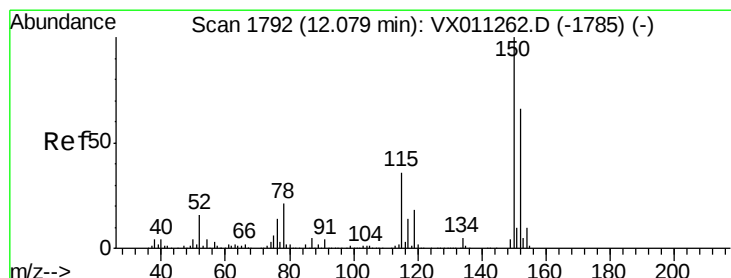
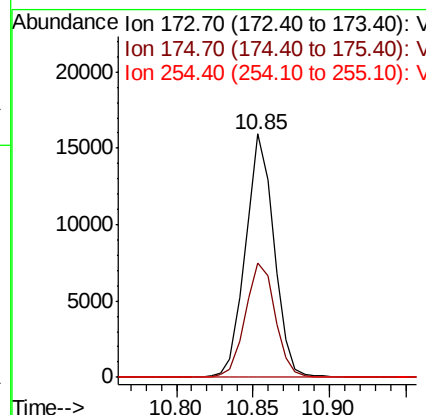
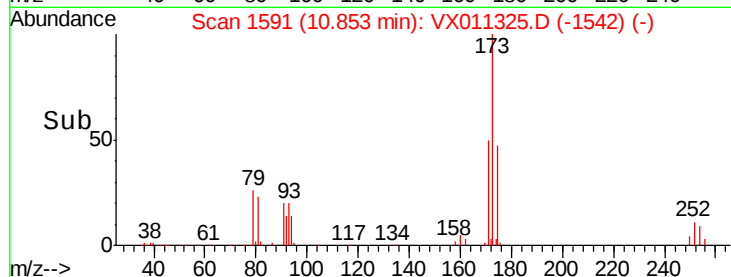
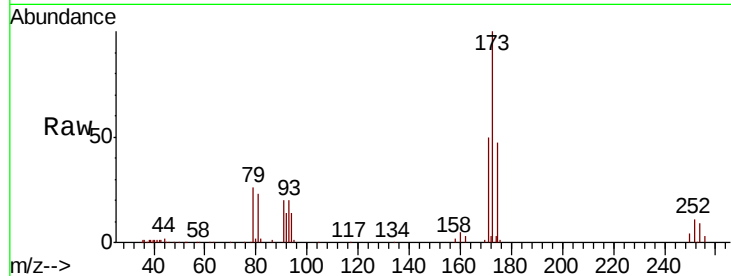
173 100

175 49.4 24.4 73.4

254 0.0 0.2 0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

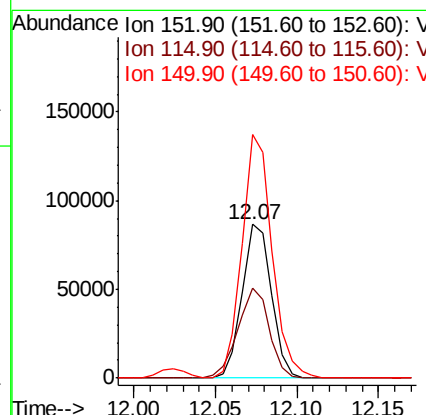
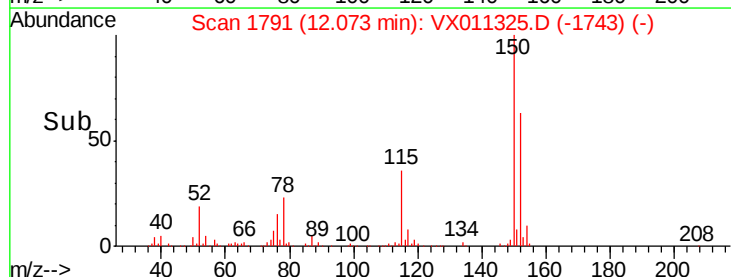
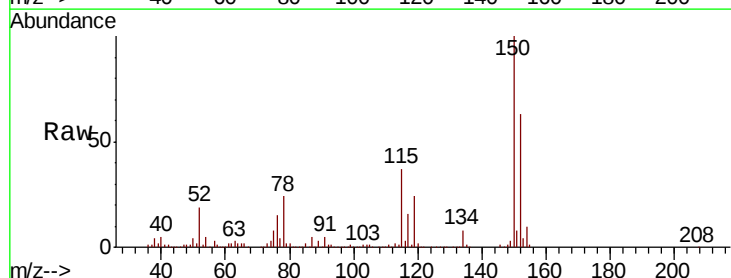
Tgt Ion:152 Resp: 108534

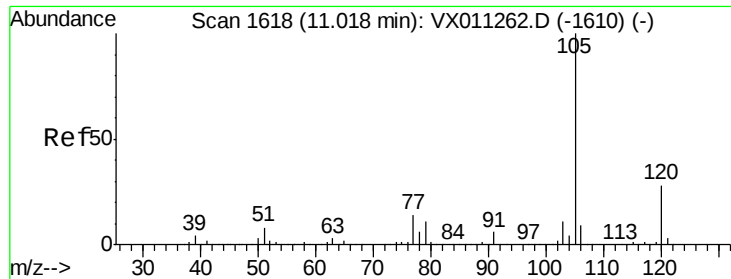
Ion Ratio Lower Upper

152 100

115 63.2 40.0 119.9

150 162.6 0.0 350.4





#73

Isopropylbenzene

Concen: 17.581 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBSD01

Tot Ion: 105 Resp: 130500

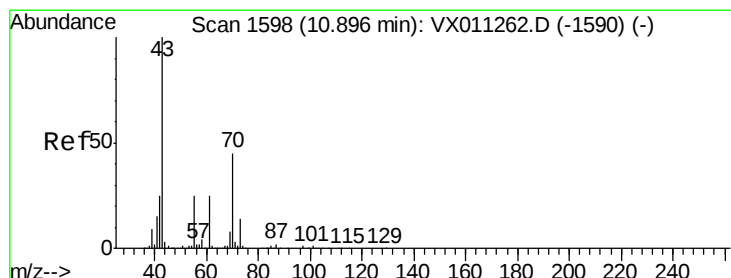
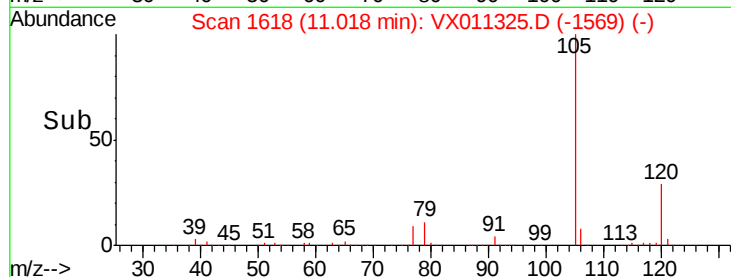
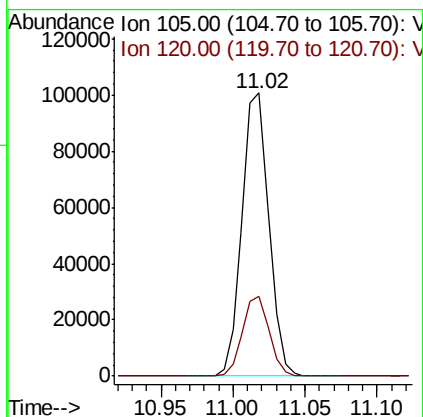
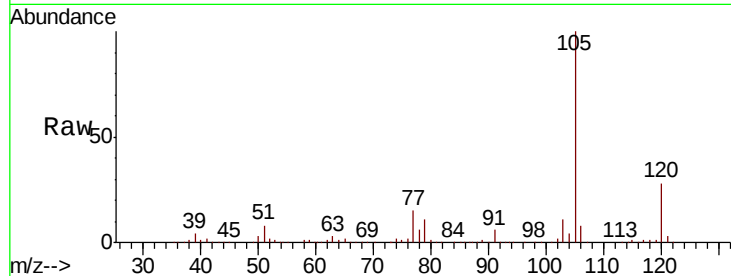
Ion Ratio Lower Upper

105 100

120 27.9 13.7 41.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.232 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Tgt Ion: 43 Resp: 48902

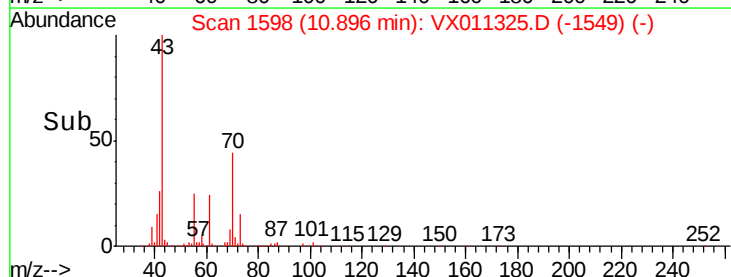
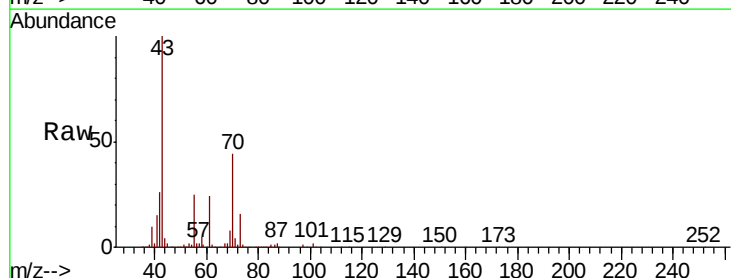
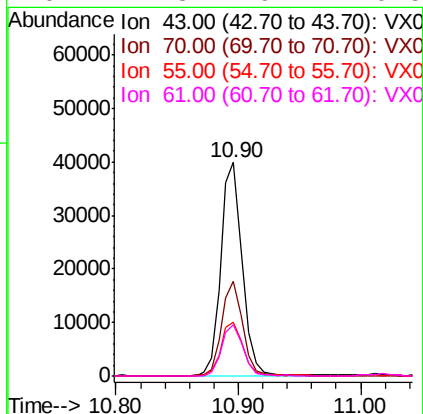
Ion Ratio Lower Upper

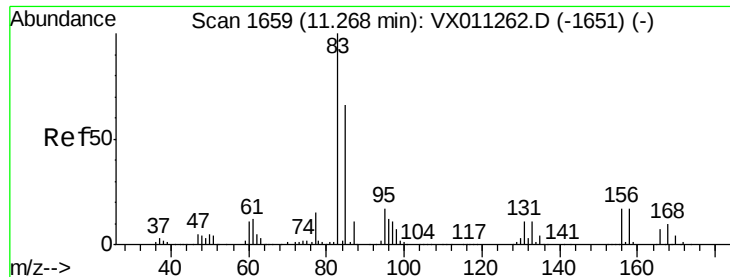
43 100

70 44.1 35.9 53.9

55 26.1 19.8 29.6

61 24.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 17.530 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

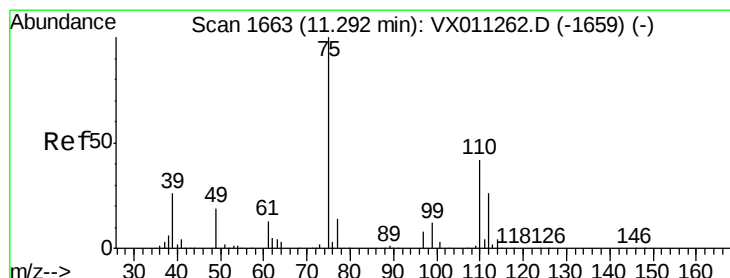
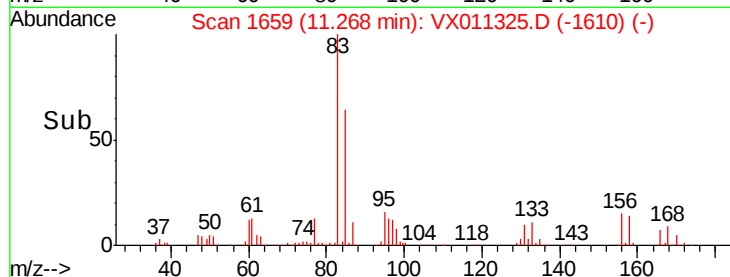
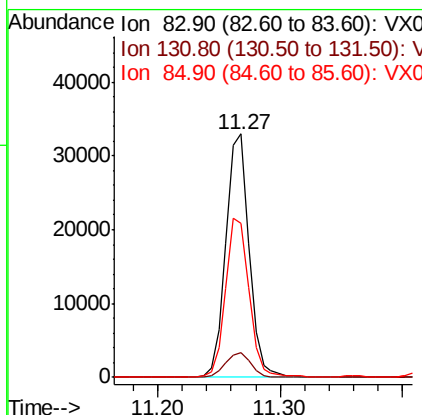
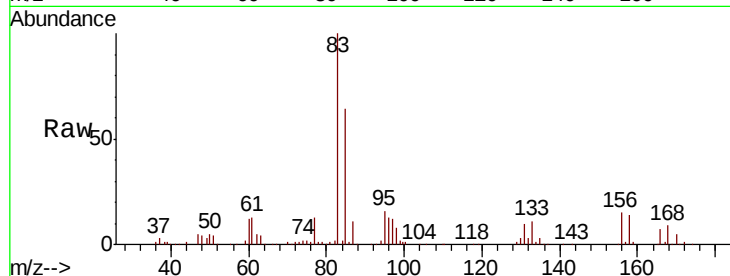
ClientSampleId :

VX0805WBSD01

Tot Ion:	83	Resp:	43363
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.6	16.8
85	66.6	32.1	96.5

Manual Integrations
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8/6/2019 4:48:42 PM



#76

1,2,3-Trichloropropane

Concen: 18.477 ug/l m

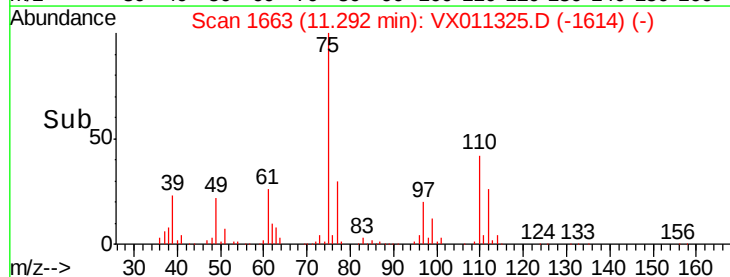
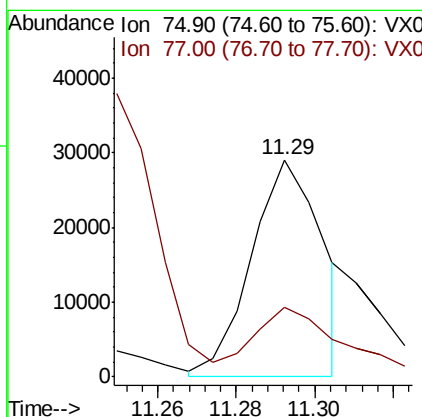
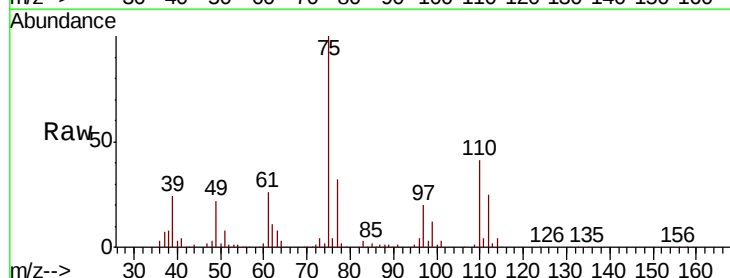
RT: 11.29 min Scan# 1663

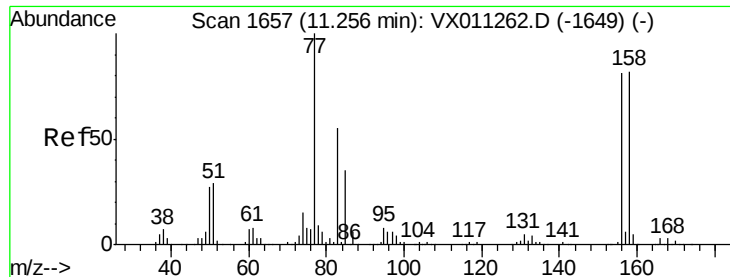
Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Tgt Ion:	75	Resp:	36521
Ion Ratio	Lower	Upper	
75	100		
77	40.6	21.1	63.4





#77

Bromobenzene

Concen: 17.358 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

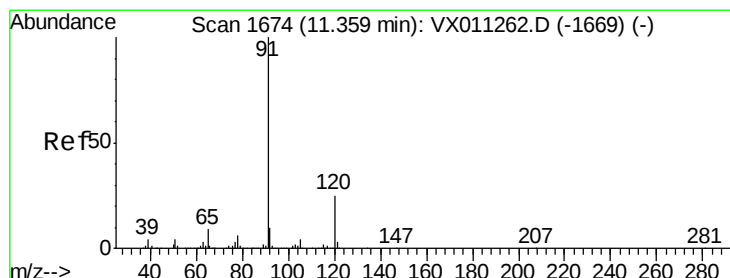
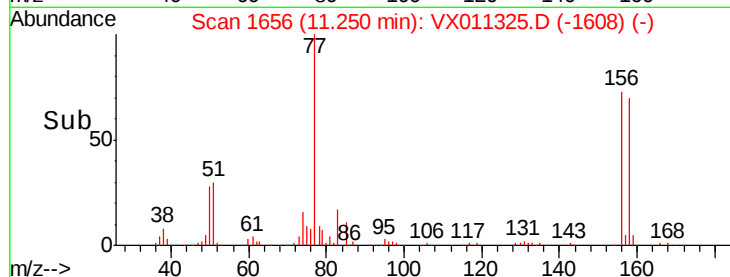
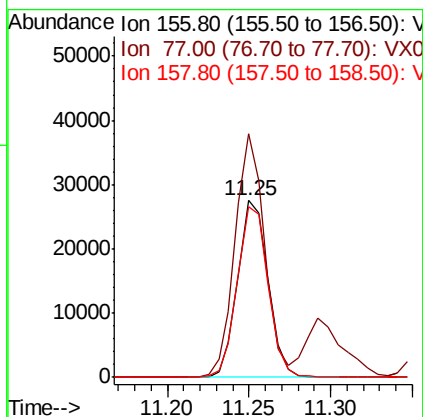
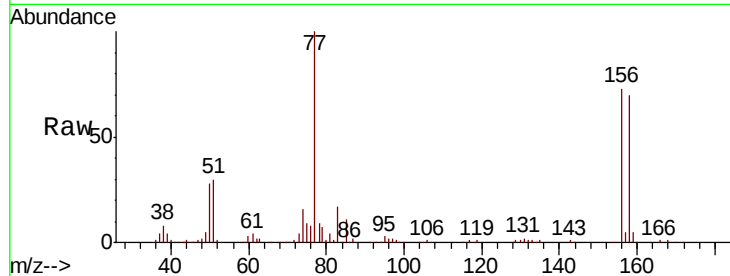
ClientSampleId :

VX0805WBSD01

Tot Ion:	156	Resp:	35729
Ion	Ratio	Lower	Upper
156	100		
77	134.0	66.2	198.6
158	98.5	49.1	147.3

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#78

n-propylbenzene

Concen: 17.380 ug/l

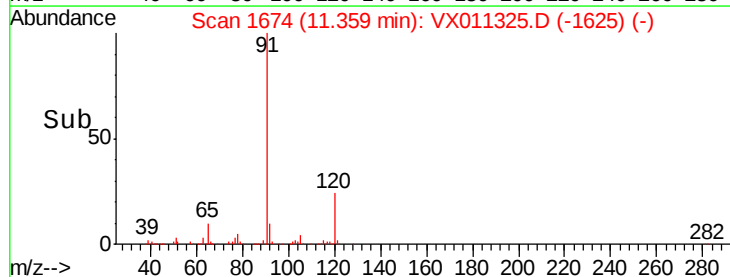
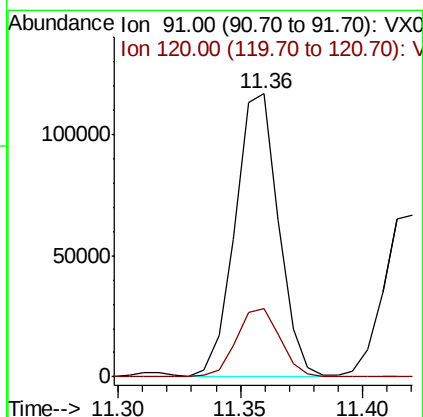
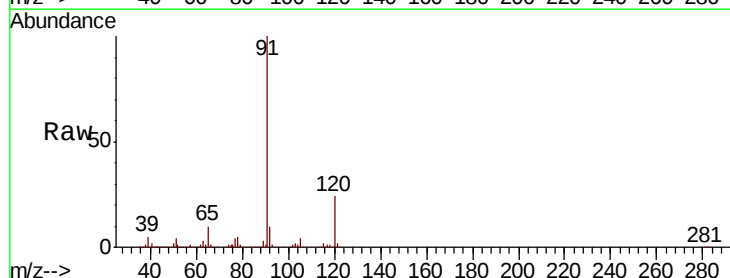
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Tgt Ion:	91	Resp:	143465
Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.4	37.0





#79

2-Chlorotoluene

Concen: 17.416 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampled :

VX0805WBSD01

Tot Ion: 91 Resp: 85687

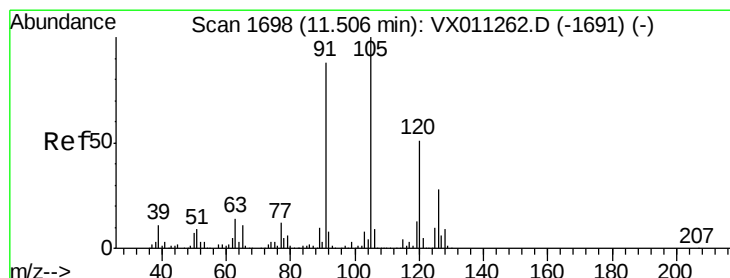
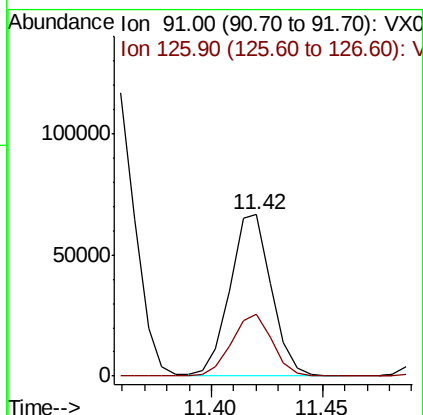
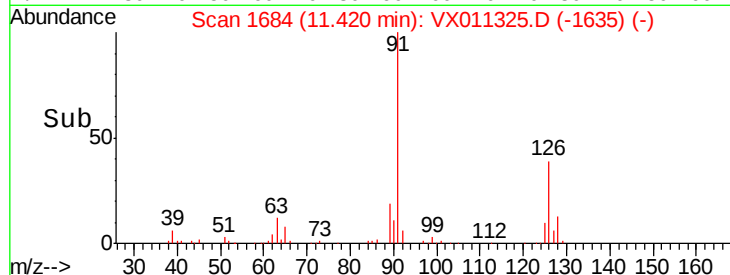
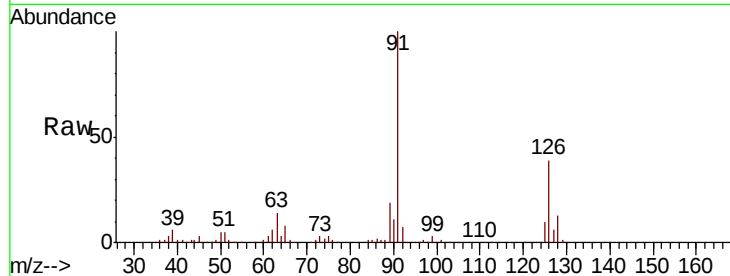
Ion Ratio Lower Upper

91 100

126 37.8 18.5 55.5

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#80

1,3,5-Trimethylbenzene

Concen: 17.778 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011325.D

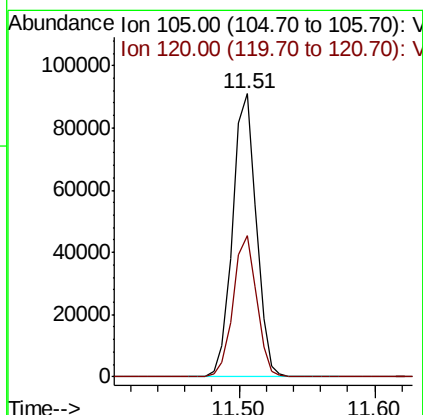
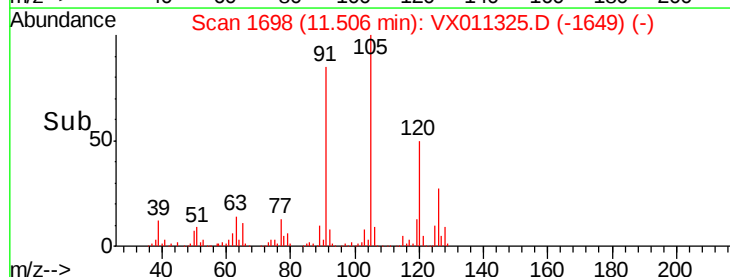
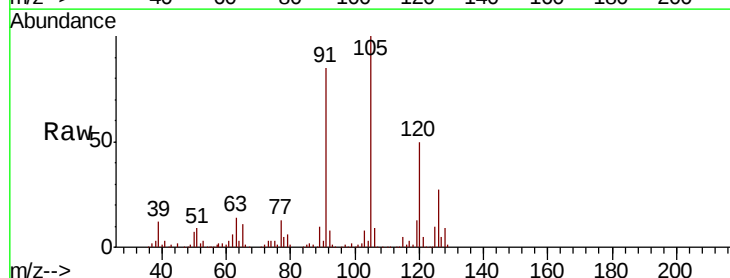
Acq: 05 Aug 2019 12:47

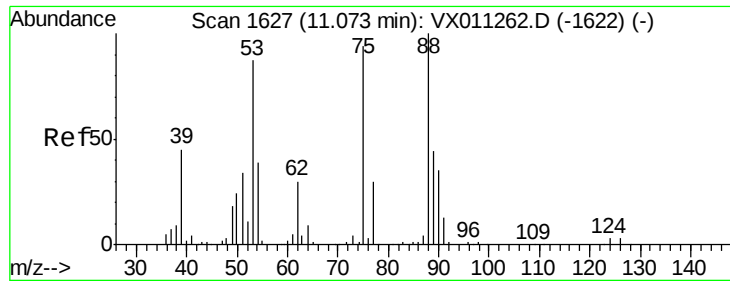
Tgt Ion: 105 Resp: 110467

Ion Ratio Lower Upper

105 100

120 49.3 25.1 75.2





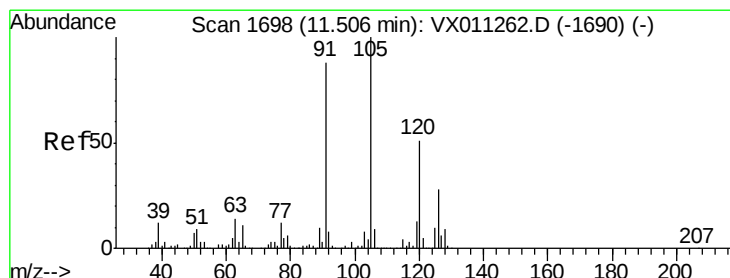
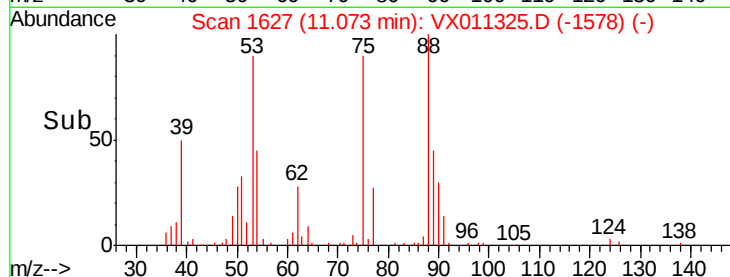
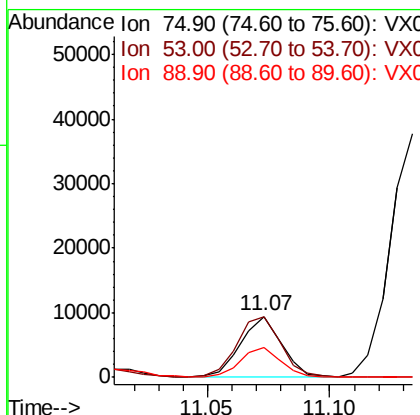
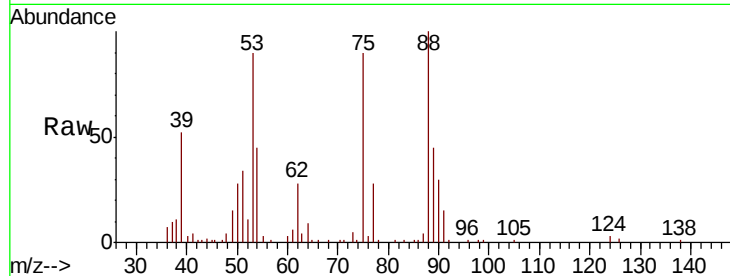
#81
trans-1,4-Dichloro-2-butene
Concen: 18.221 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampled :
VX0805WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.1	78.2	117.4
89	49.2	37.9	56.9

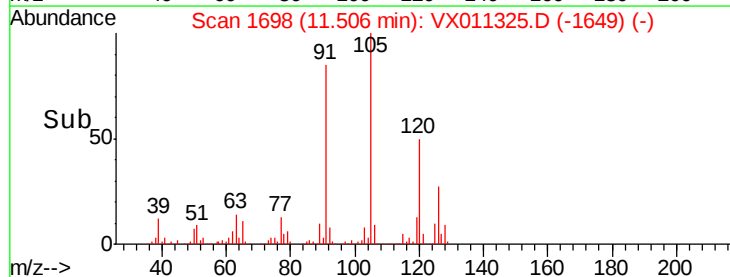
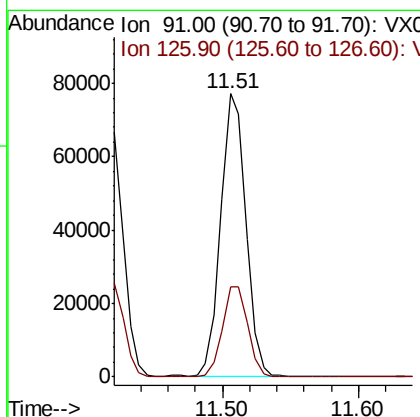
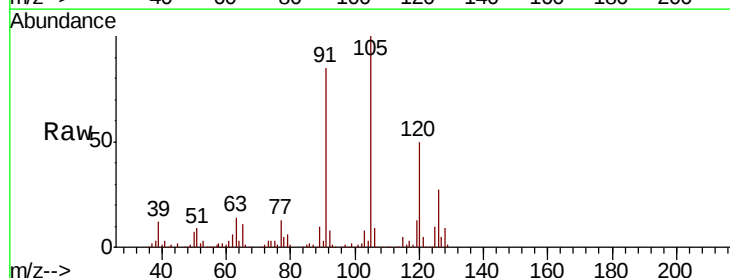
Manual Integrations
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#82
4-Chlorotoluene
Concen: 17.259 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.2





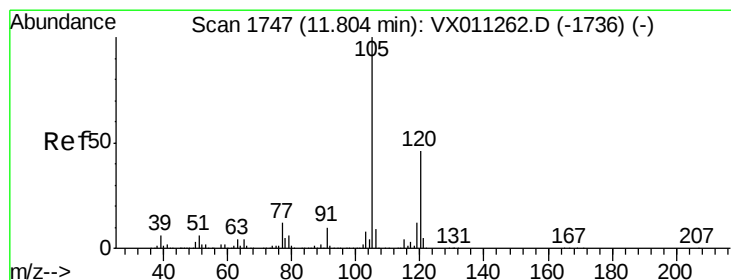
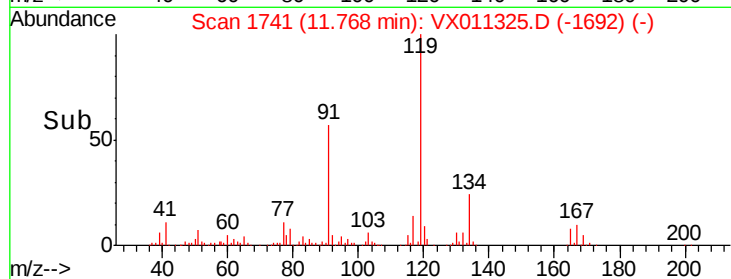
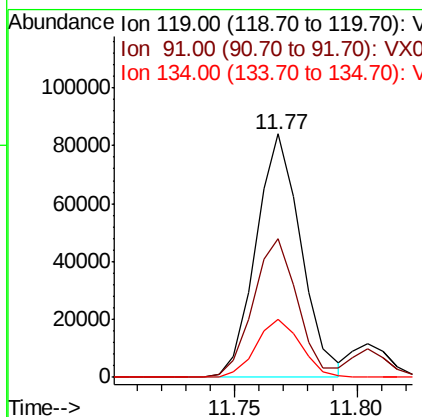
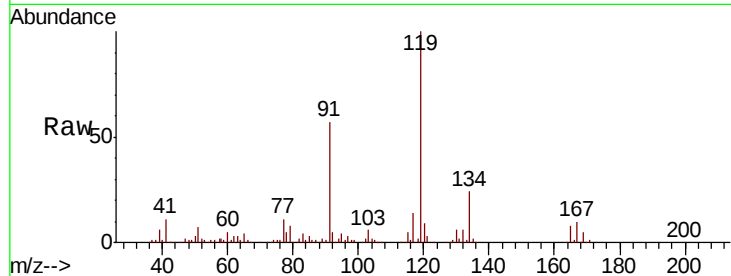
#83
 tert-Butylbenzene
 Concen: 17.599 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBSD01

Tot Ion:	119	Resp:	107252
Ion Ratio	Lower	Upper	
119	100		
91	56.8	28.0	84.0
134	23.7	11.9	35.5

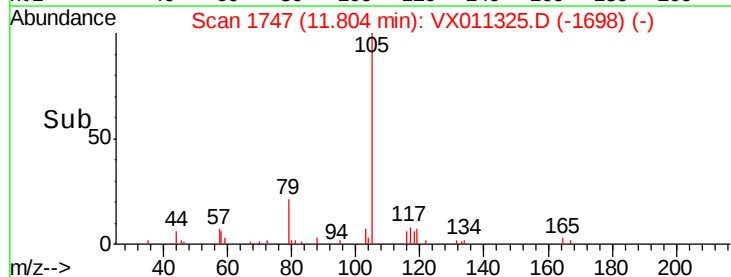
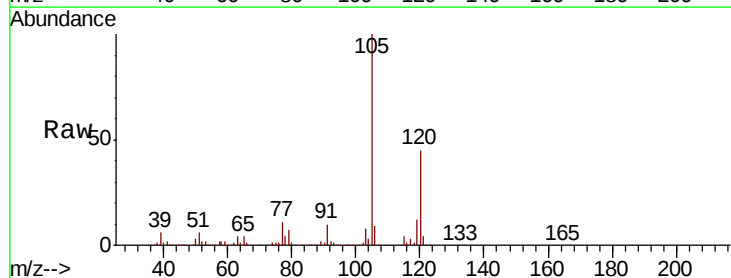
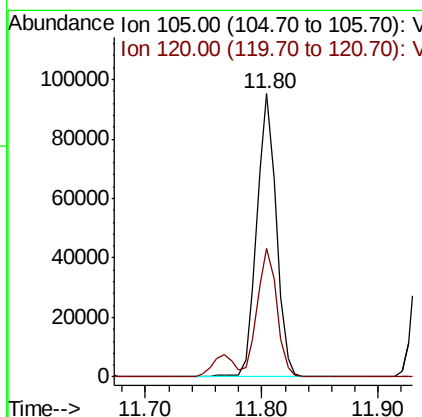
Manual Integrations
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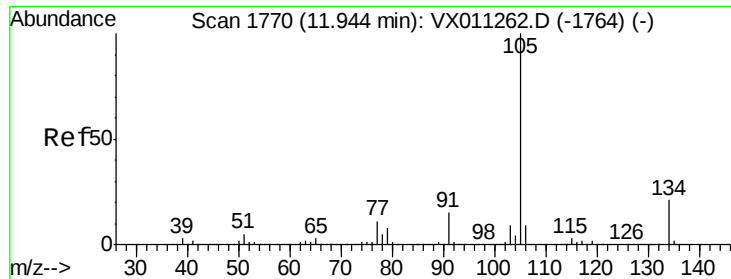
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.039 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion:	105	Resp:	111603
Ion Ratio	Lower	Upper	
105	100		
120	45.7	23.0	69.0





#85

sec-Butylbenzene

Concen: 17.389 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBSD01

Tot Ion:105 Resp: 127325

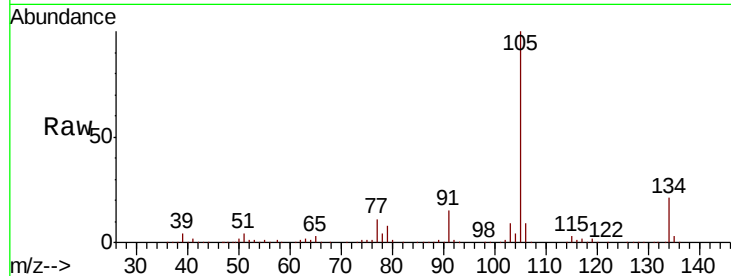
Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.4

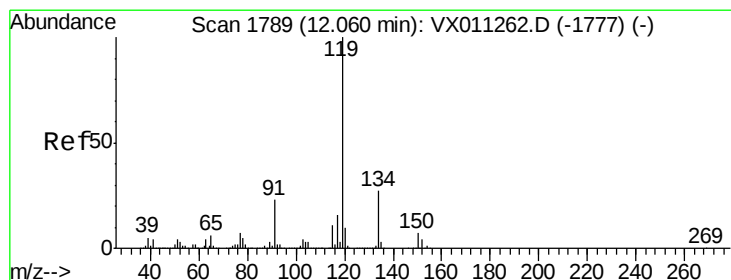
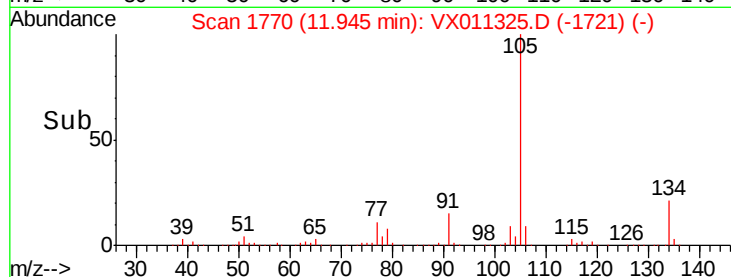
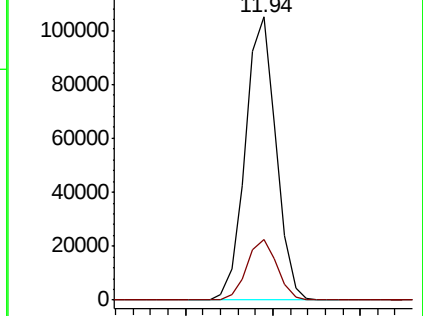
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.494 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

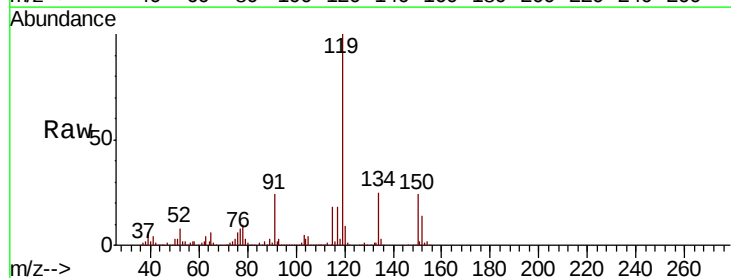
Tgt Ion:119 Resp: 117838

Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.0

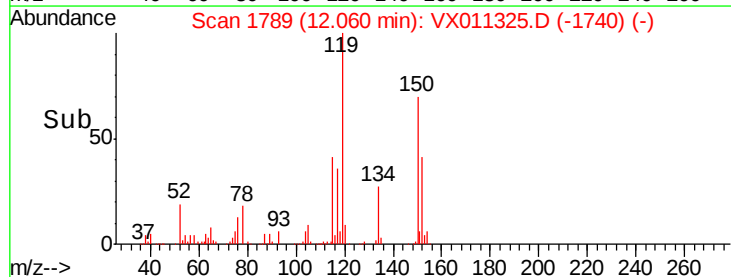
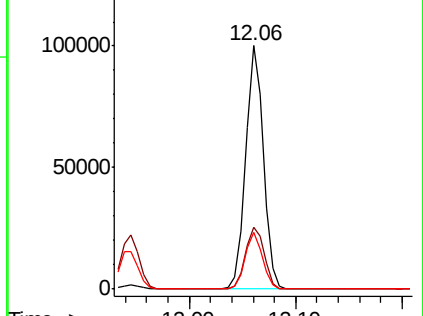
91 23.0 11.4 34.2

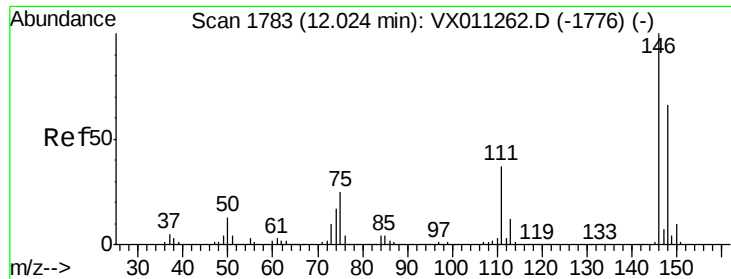


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 17.399 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

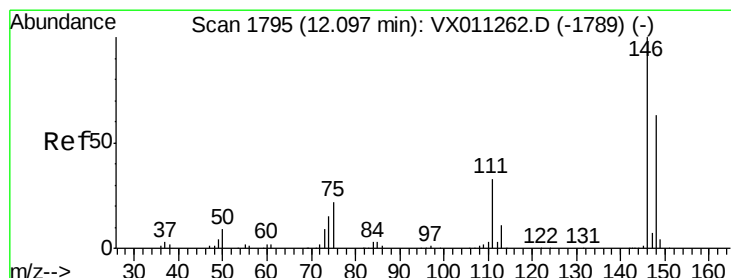
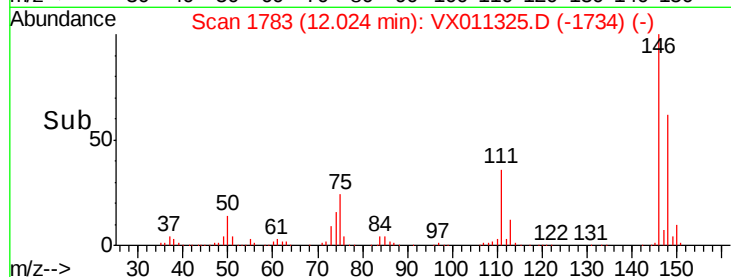
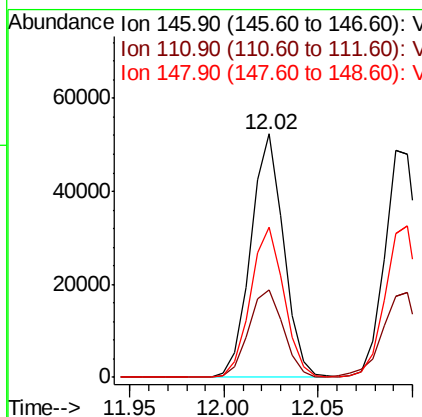
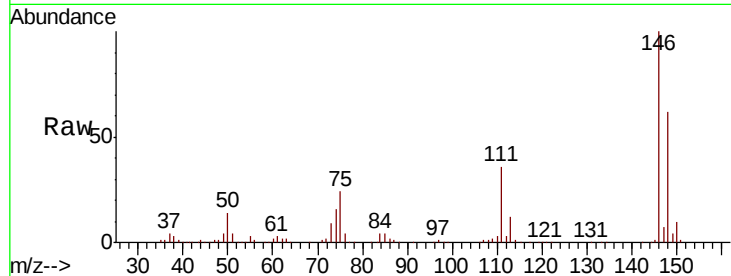
ClientSampled :

VX0805WBSD01

Tot Ion:	146	Resp:	63280
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.6	55.8
148	63.0	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 16.859 ug/l

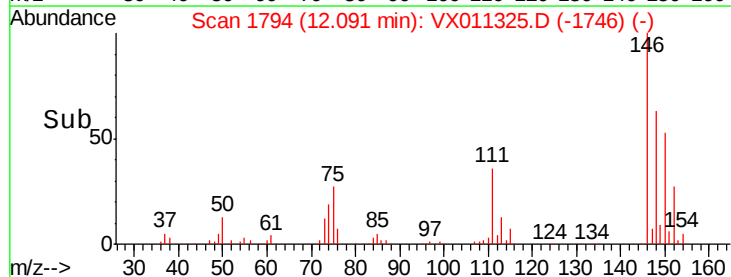
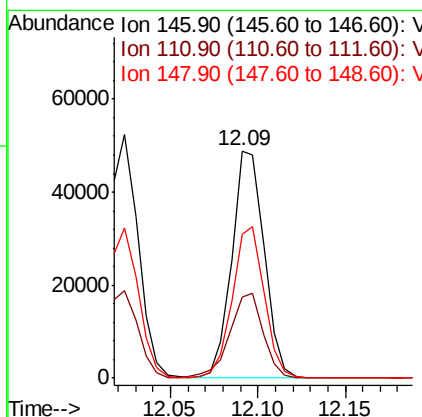
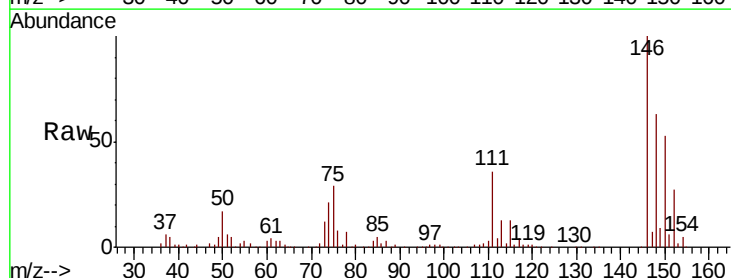
RT: 12.09 min Scan# 1794

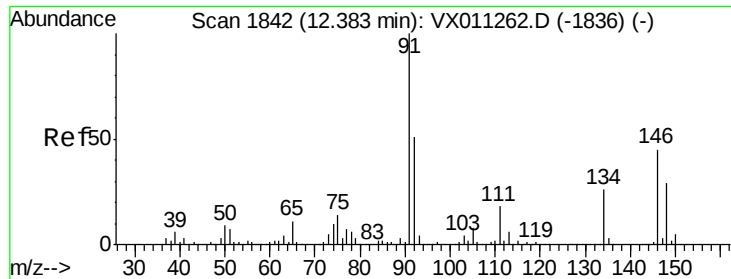
Delta R.T. -0.01 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Tgt Ion:	146	Resp:	63224
Ion Ratio	Lower	Upper	
146	100		
111	38.8	17.8	53.4
148	65.4	31.8	95.3





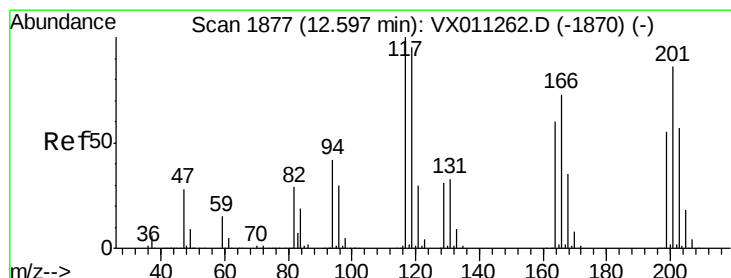
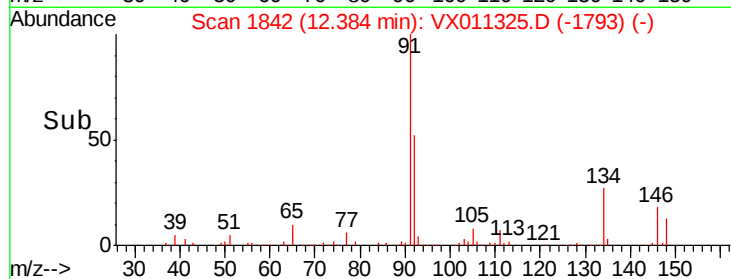
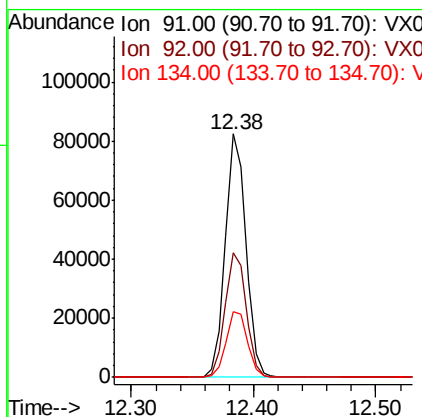
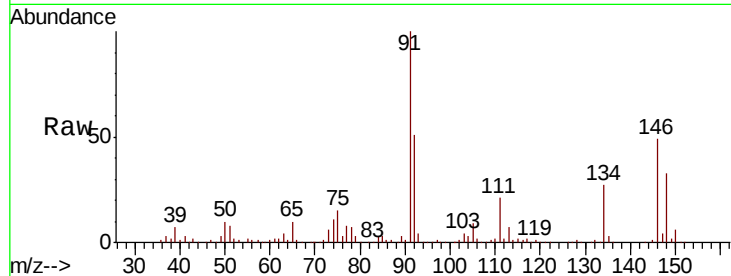
#89
n-Butylbenzene
Concen: 16.604 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.8	77.3
134	27.9	13.7	41.0

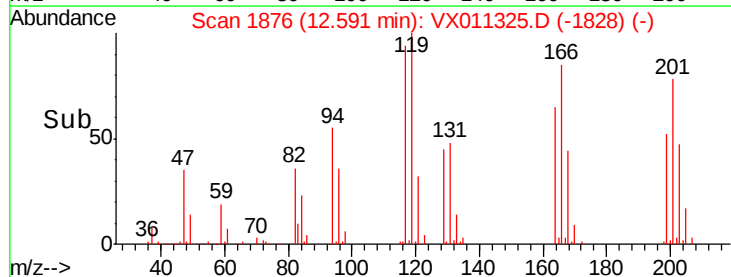
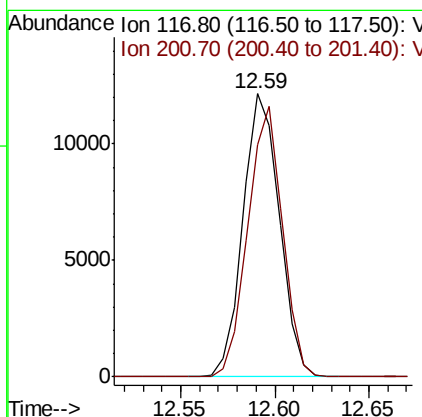
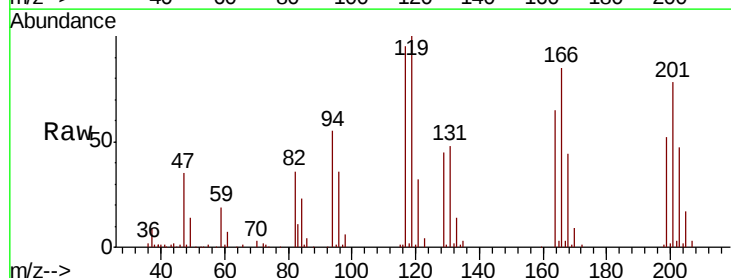
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#90
Hexachloroethane
Concen: 16.367 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	41.8	125.4





#91

1,2-Dichlorobenzene

Concen: 17.356 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

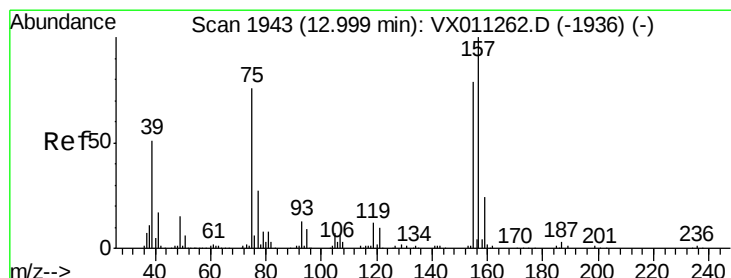
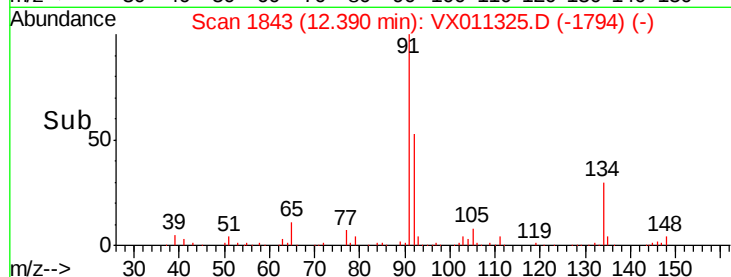
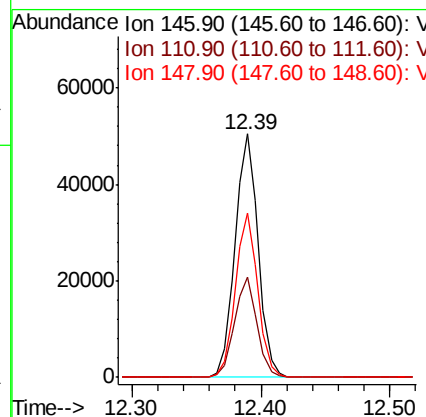
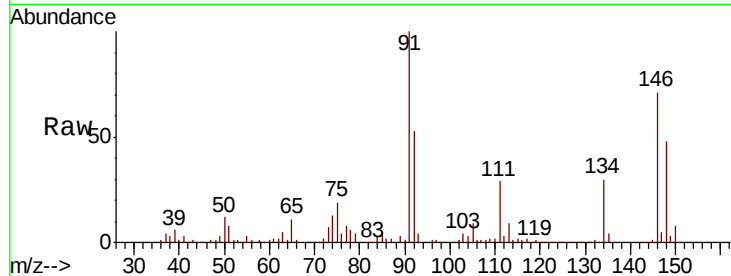
ClientSampleId :

VX0805WBSD01

Tot Ion:	146	Resp:	63424
Ion Ratio	Lower	Upper	
146	100		
111	39.9	19.1	57.1
148	65.4	32.3	96.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.598 ug/l

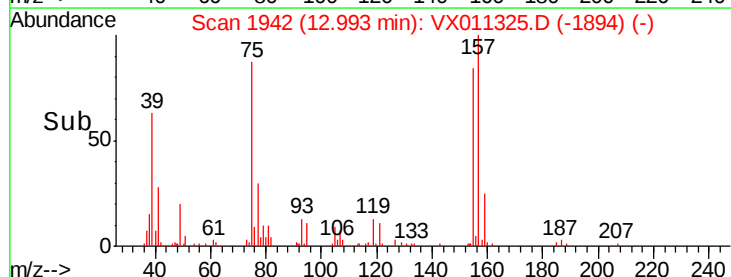
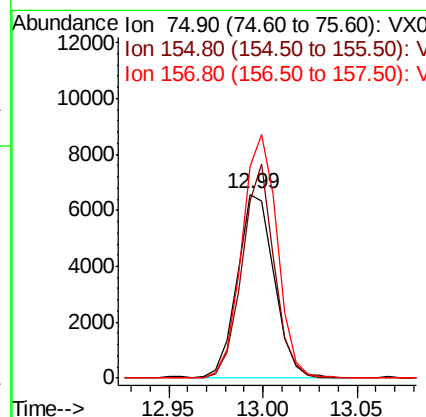
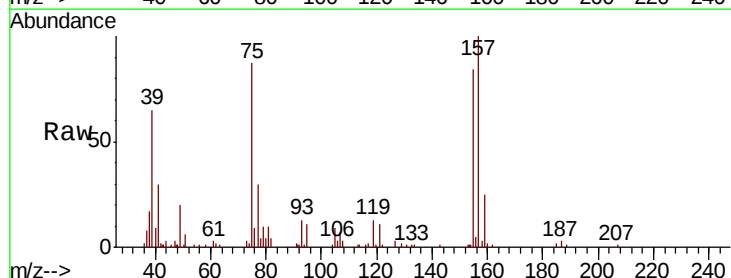
RT: 12.99 min Scan# 1942

Delta R.T. -0.01 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Tgt Ion:	75	Resp:	8913
Ion Ratio	Lower	Upper	
75	100		
155	100.6	51.9	155.8
157	127.1	64.3	192.7





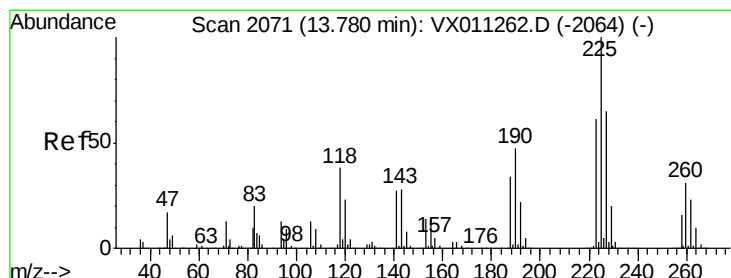
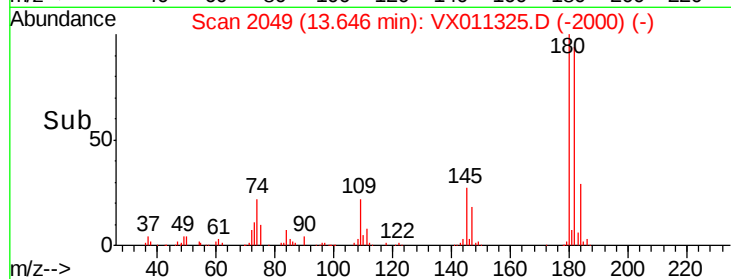
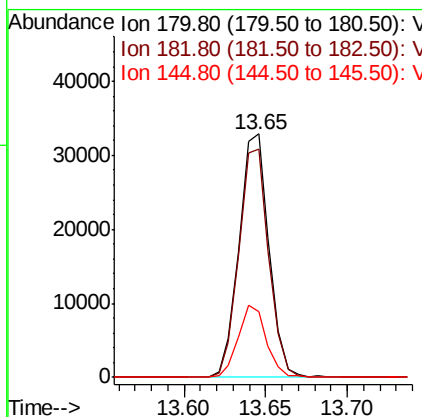
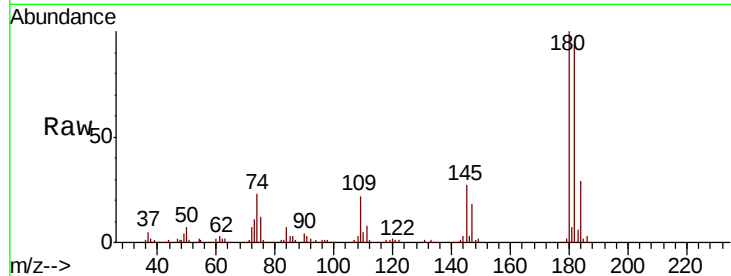
#93
 1,2,4-Trichlorobenzene
 Concen: 17.311 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	41953		
182	94.2		47.8	143.4
145	28.1		14.8	44.3

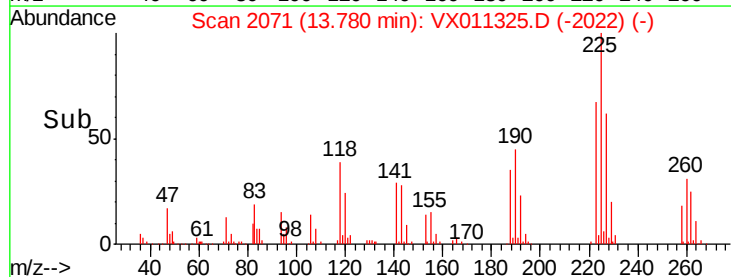
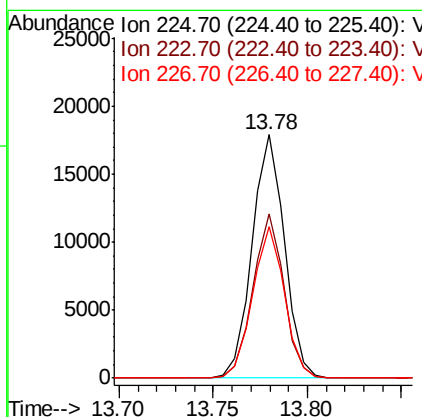
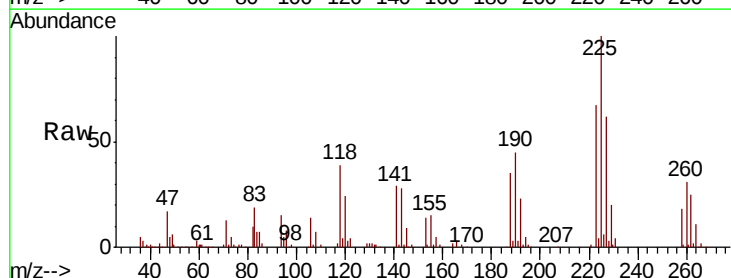
Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 4:48:42 PM



#94
 Hexachlorobutadiene
 Concen: 17.319 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21294		
223	64.4		31.0	93.0
227	61.3		32.2	96.6





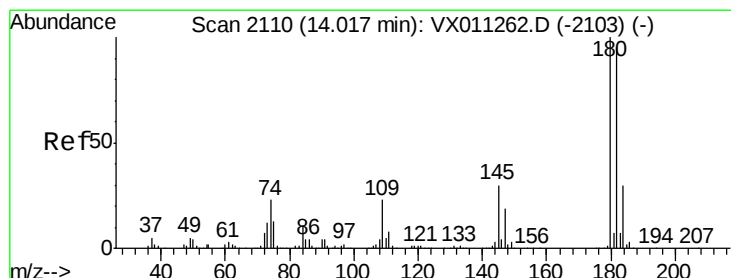
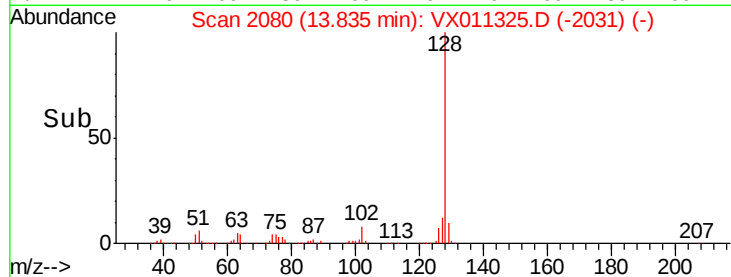
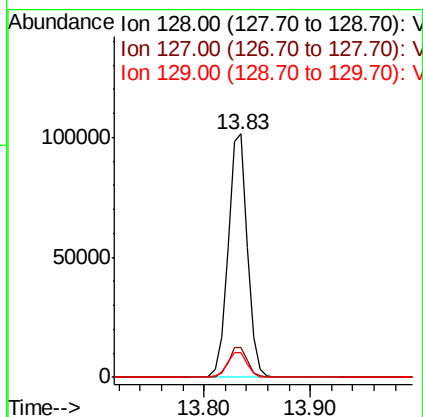
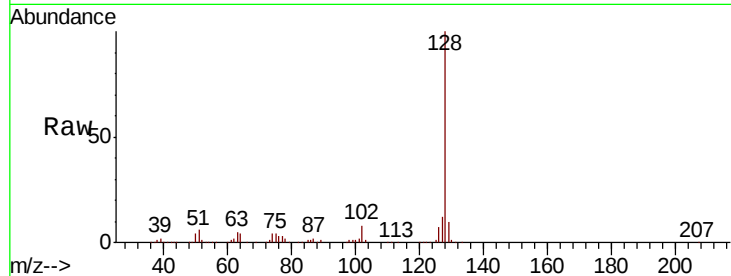
#95
Naphthalene
Concen: 18.101 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	128281		
127	12.6		10.4	15.6
129	10.8		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.648 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	43480		
182	93.9		47.4	142.3
145	29.5		15.2	45.6

