

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081919\
 Data File : VX011647.D
 Acq On : 19 Aug 2019 21:58
 Operator : JC/SP
 Sample : VX0819WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS02

Manual Integrations
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 8/20/2019 3:40:38 PM

Quant Time: Aug 20 12:05:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	330464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	439312	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	443391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	237677	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	150659	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	5.49	113	138971	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
50) Toluene-d8	8.71	98	425663	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
62) 4-Bromofluorobenzene	11.13	95	190779	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	69883	21.514	ug/l	99
3) Chloromethane	1.32	50	60370	17.894	ug/l	98
4) Vinyl Chloride	1.40	62	60351	19.803	ug/l	99
5) Bromomethane	1.64	94	33969	24.875	ug/l	99
6) Chloroethane	1.71	64	31825	22.064	ug/l	96
7) Trichlorofluoromethane	1.92	101	88084	20.867	ug/l	97
8) Diethyl Ether	2.18	74	29808	20.585	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	57203	19.619	ug/l	99
10) Methyl Iodide	2.50	142	73160	17.614	ug/l	99
11) Tert butyl alcohol	3.04	59	77827	103.516	ug/l	97
12) 1,1-Dichloroethene	2.37	96	56049	19.892	ug/l	95
13) Acrolein	2.29	56	18847	89.683	ug/l	99
14) Allyl chloride	2.72	41	92730	19.783	ug/l	99
15) Acrylonitrile	3.14	53	181133	105.265	ug/l	100
16) Acetone	2.43	43	157877	102.455	ug/l	99
17) Carbon Disulfide	2.56	76	126930	19.117	ug/l	99
18) Methyl Acetate	2.76	43	104225	21.809	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	194763	21.223	ug/l	97
20) Methylene Chloride	2.85	84	65137	20.132	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	59133	19.804	ug/l	100
22) Diisopropyl ether	3.85	45	191772	20.544	ug/l	97
23) Vinyl Acetate	3.81	43	766593	103.708	ug/l	100
24) 1,1-Dichloroethane	3.69	63	106343	20.149	ug/l	99
25) 2-Butanone	4.67	43	249754	103.240	ug/l	99
26) 2,2-Dichloropropane	4.57	77	69362	17.462	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	69436	19.948	ug/l	98
28) Bromochloromethane	5.01	49	46345	20.004	ug/l	97
29) Tetrahydrofuran	5.12	42	163601	103.095	ug/l	99
30) Chloroform	5.20	83	112662	20.227	ug/l	97
31) Cyclohexane	5.57	56	89030	19.593	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	99219	20.717	ug/l	97
36) 1,1-Dichloropropene	5.79	75	72503	19.303	ug/l	99
37) Ethyl Acetate	4.82	43	93347	21.607	ug/l	98
38) Carbon Tetrachloride	5.78	117	81315	19.650	ug/l	99

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Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	84149	18.142	ug/l	99
40) Benzene	6.14	78	219411	18.798	ug/l	99
41) Methacrylonitrile	5.03	41	52756	22.188	ug/l	100
42) 1,2-Dichloroethane	6.18	62	88705	21.935	ug/l	99
43) Isopropyl Acetate	6.44	43	130574	19.367	ug/l	99
44) Trichloroethene	7.21	130	65997	19.060	ug/l	100
45) 1,2-Dichloropropane	7.51	63	57902	19.891	ug/l	98
46) Dibromomethane	7.66	93	41536	19.635	ug/l	94
47) Bromodichloromethane	7.90	83	76087	19.590	ug/l	100
48) Methyl methacrylate	7.77	41	66939	20.049	ug/l	96
49) 1,4-Dioxane	7.74	88	35034	394.506	ug/l	93
51) 4-Methyl-2-Pentanone	8.63	43	445287	100.903	ug/l	99
52) Toluene	8.78	92	144756	19.466	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	81430	20.201	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	85097	19.290	ug/l #	91
55) 1,1,2-Trichloroethane	9.21	97	64200	20.302	ug/l	99
56) Ethyl methacrylate	9.18	69	97546	21.223	ug/l	98
57) 1,3-Dichloropropane	9.37	76	107466	21.379	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	225202	98.337	ug/l	98
59) 2-Hexanone	9.49	43	371820	109.258	ug/l	98
60) Dibromochloromethane	9.58	129	70719	21.464	ug/l	100
61) 1,2-Dibromoethane	9.67	107	72163	21.382	ug/l	98
64) Tetrachloroethene	9.34	164	66057	18.158	ug/l	99
65) Chlorobenzene	10.13	112	179812	19.013	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	68205	19.296	ug/l	98
67) Ethyl Benzene	10.25	91	307279	19.469	ug/l	98
68) m/p-Xylenes	10.35	106	239352	39.508	ug/l	98
69) o-Xylene	10.69	106	116547	19.639	ug/l	97
70) Styrene	10.71	104	193416	19.361	ug/l	99
71) Bromoform	10.85	173	55627	18.420	ug/l #	97
73) Isopropylbenzene	11.01	105	311312	20.186	ug/l	100
74) N-amyl acetate	10.90	43	121104	18.478	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	102405	19.302	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	90609m	20.104	ug/l	
77) Bromobenzene	11.25	156	90425	19.707	ug/l	99
78) n-propylbenzene	11.35	91	328000	19.723	ug/l	100
79) 2-Chlorotoluene	11.41	91	201344	19.717	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	257617	19.885	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	25084	18.210	ug/l	94
82) 4-Chlorotoluene	11.51	91	232872	19.656	ug/l	100
83) tert-Butylbenzene	11.77	119	263404	19.963	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	267275	20.550	ug/l	98
85) sec-Butylbenzene	11.94	105	298799	20.071	ug/l	100
86) p-Isopropyltoluene	12.06	119	280275	20.012	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	152422	19.326	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	156067	19.524	ug/l	98
89) n-Butylbenzene	12.38	91	220624	19.161	ug/l	99
90) Hexachloroethane	12.59	117	42421	19.181	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	154322	19.492	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	21766	17.933	ug/l	98

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Instrument :
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ClientSampleId :
VX0819WBS02

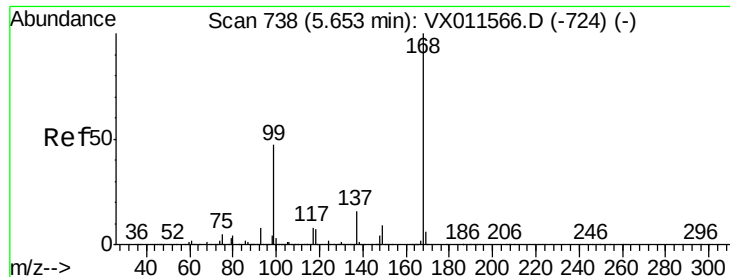
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	112096	19.002	ug/l	98
94) Hexachlorobutadiene	13.78	225	60126	18.718	ug/l	99
95) Naphthalene	13.83	128	338585	20.303	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	118047	19.840	ug/l	100

(#) = 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: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

ClientSampled :

VX0819WBS02

Tot Ion:168 Resp: 330464

Ion Ratio Lower Upper

168 100

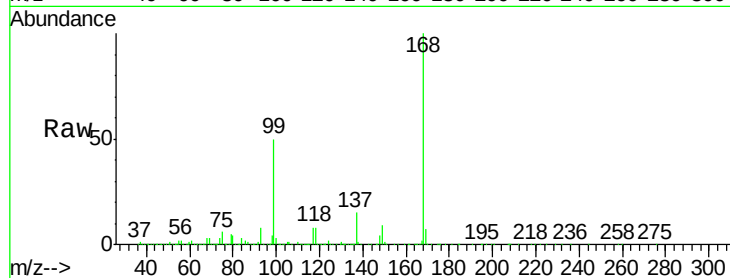
99 49.6 37.3 55.9

Manual Integrations

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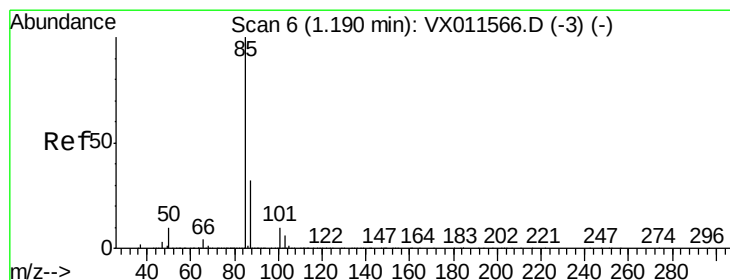
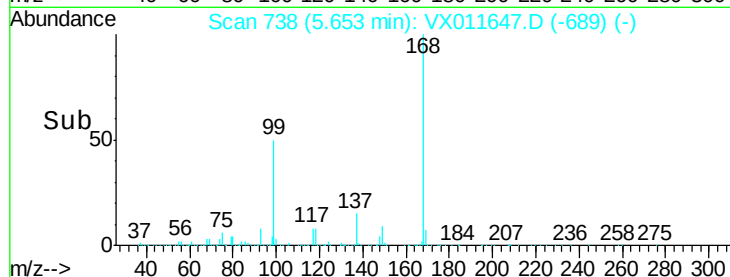
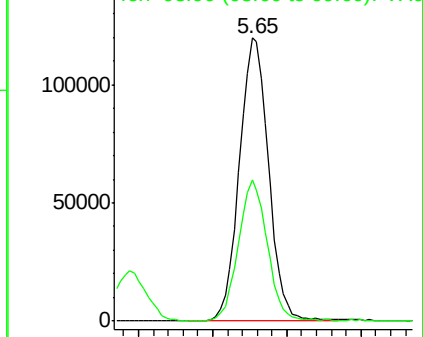
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 21.514 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011647.D

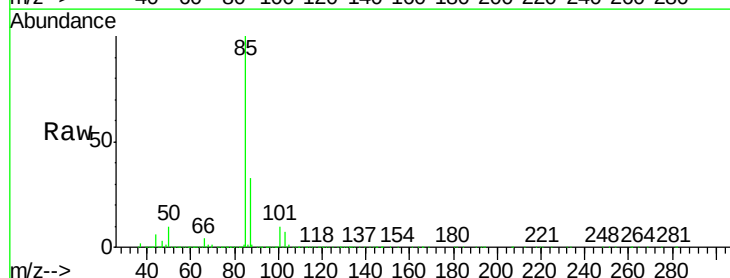
Acq: 19 Aug 2019 21:58

Tgt Ion: 85 Resp: 69883

Ion Ratio Lower Upper

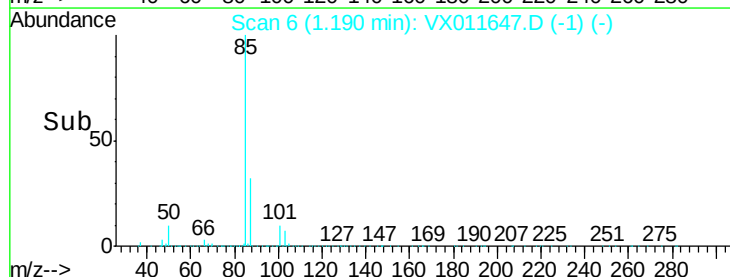
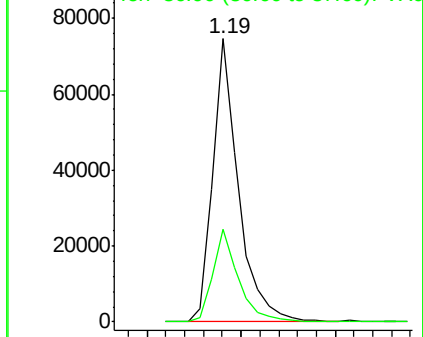
85 100

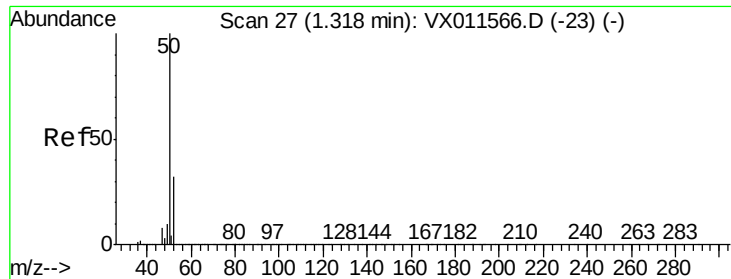
87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.894 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBS02

Tot Ion: 50 Resp: 60370

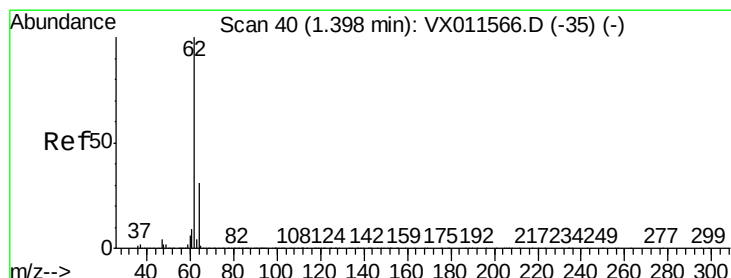
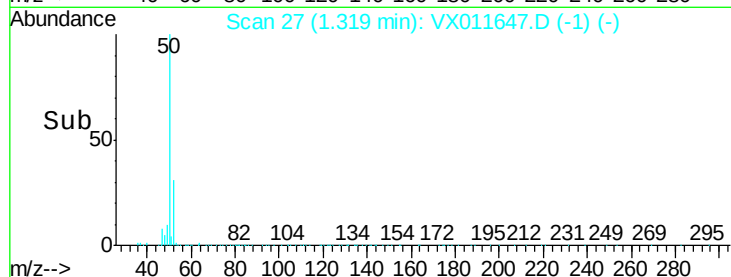
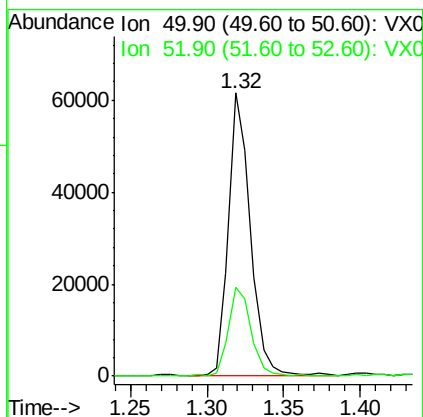
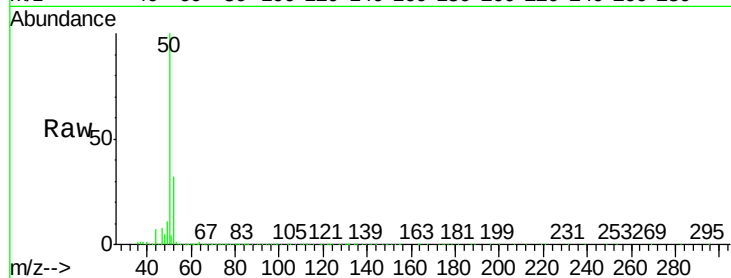
Ion Ratio Lower Upper

50 100

52 31.5 26.0 39.0

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#4

Vinyl Chloride

Concen: 19.803 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011647.D

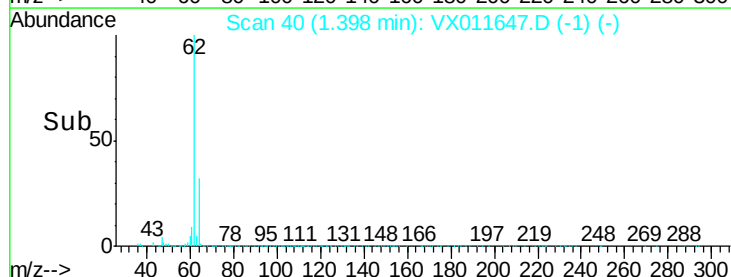
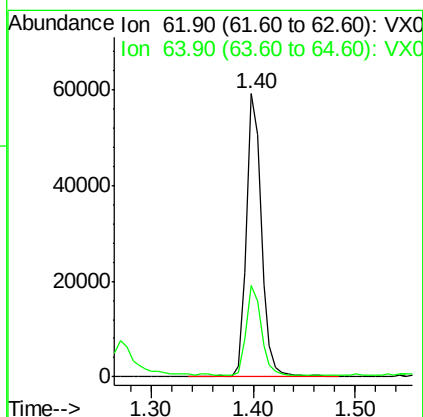
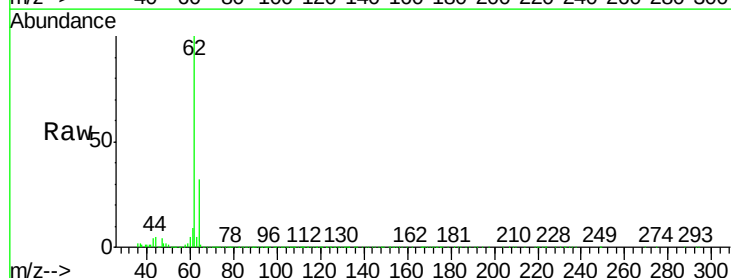
Acq: 19 Aug 2019 21:58

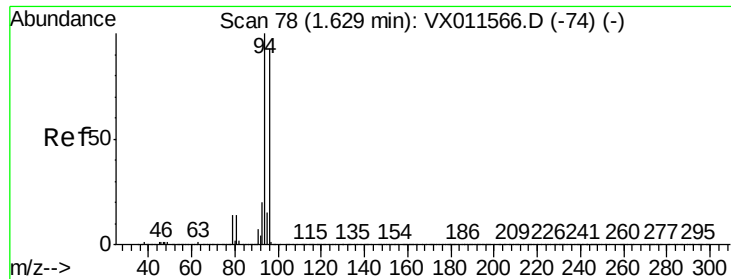
Tgt Ion: 62 Resp: 60351

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.4





#5

Bromomethane

Concen: 24.875 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBS02

Tot Ion: 94 Resp: 33969

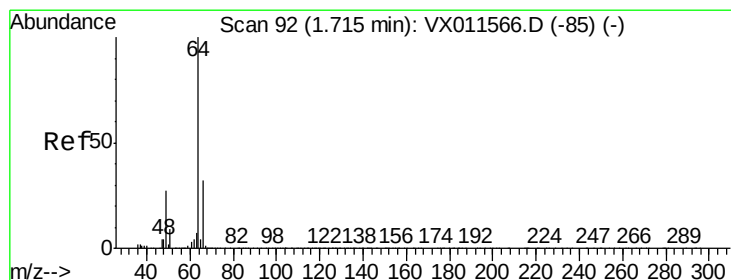
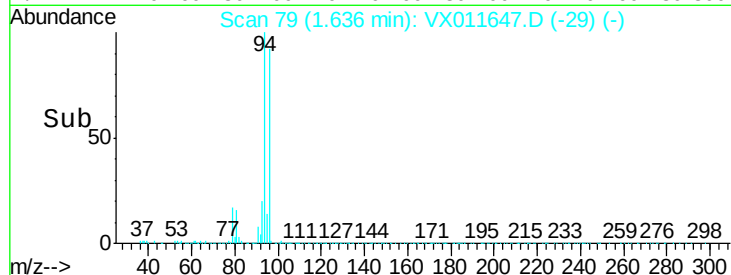
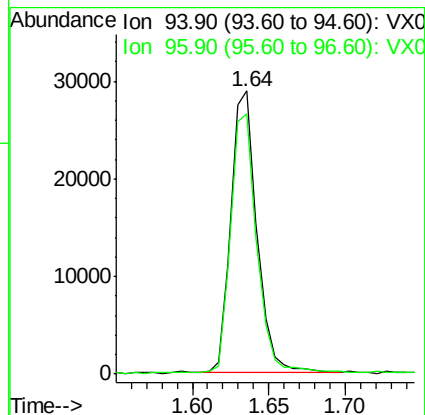
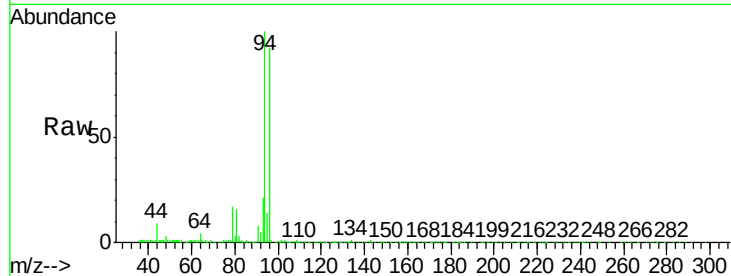
Ion Ratio Lower Upper

94 100

96 92.1 74.8 112.2

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#6

Chloroethane

Concen: 22.064 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011647.D

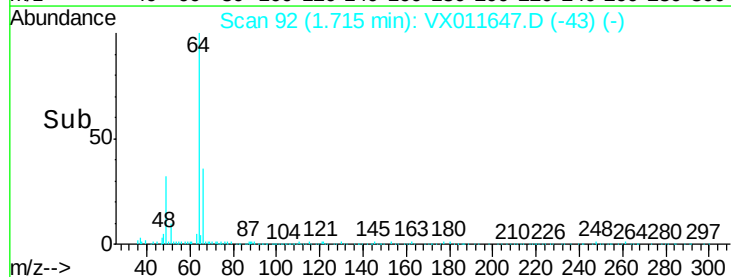
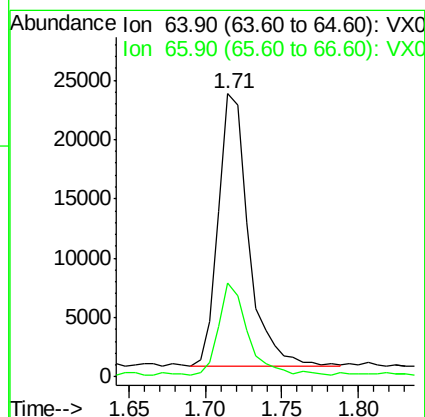
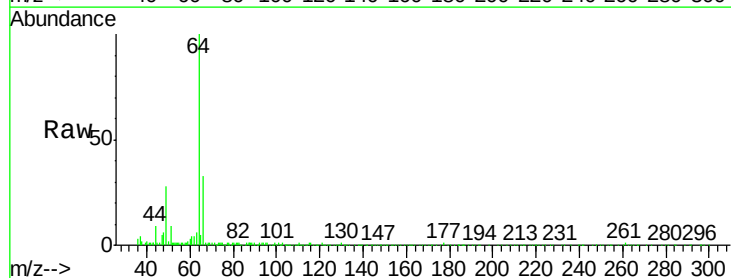
Acq: 19 Aug 2019 21:58

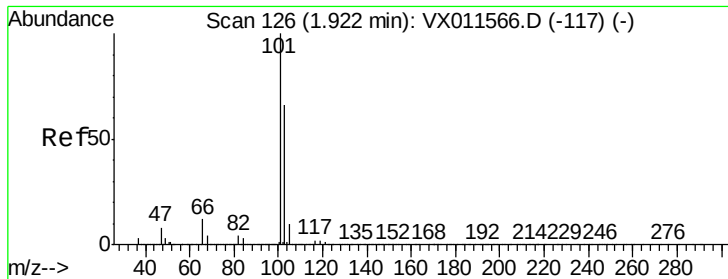
Tgt Ion: 64 Resp: 31825

Ion Ratio Lower Upper

64 100

66 33.6 25.3 37.9





#7

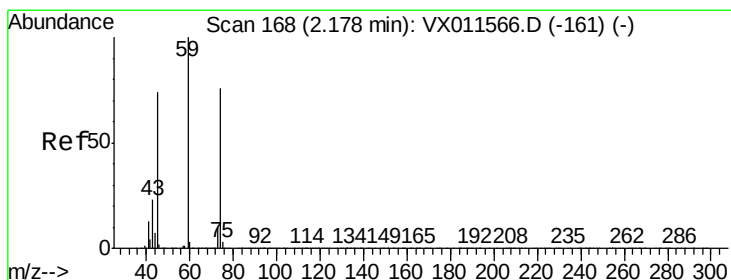
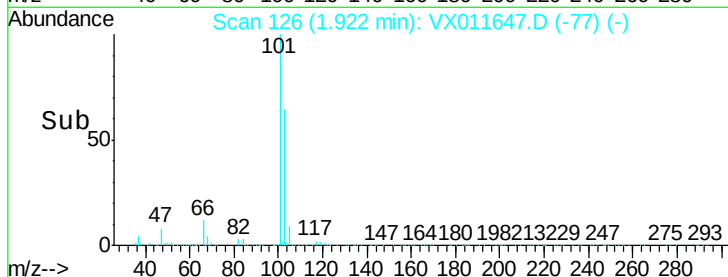
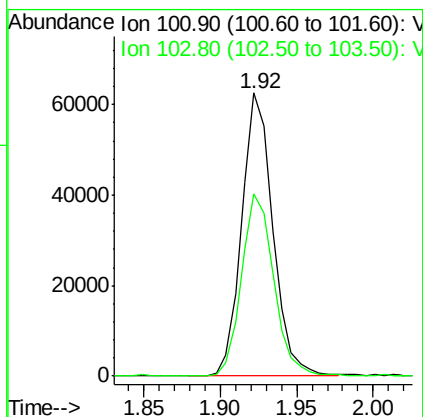
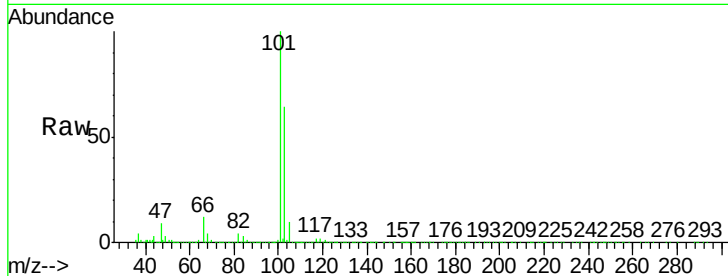
Trichlorofluoromethane
Concen: 20.867 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.9	79.3

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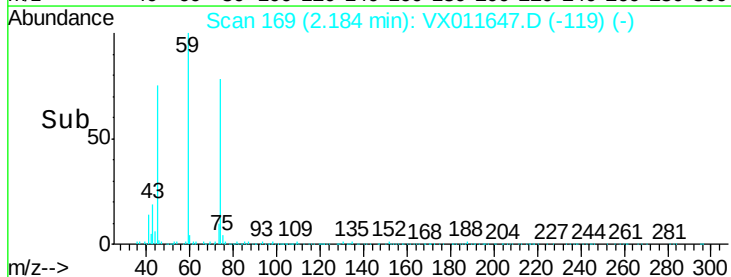
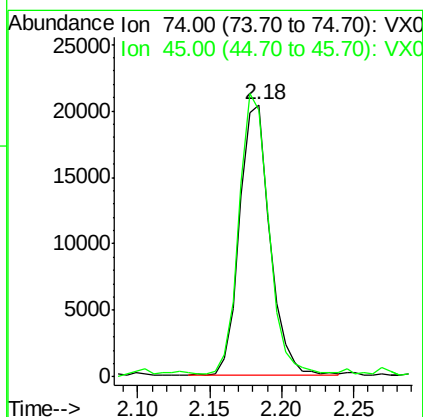
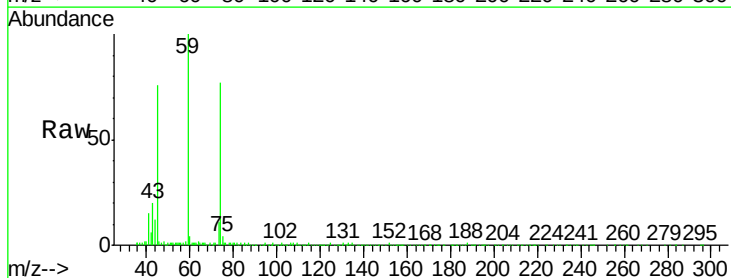
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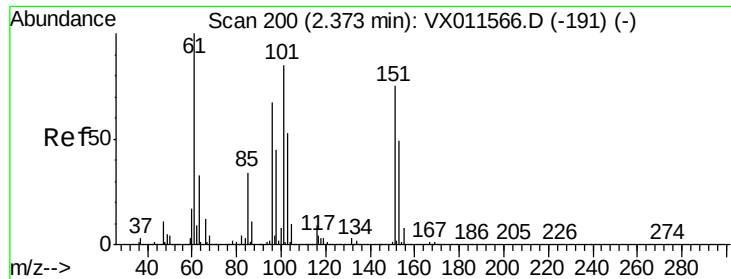


#8

Diethyl Ether
Concen: 20.585 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.9	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.619 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

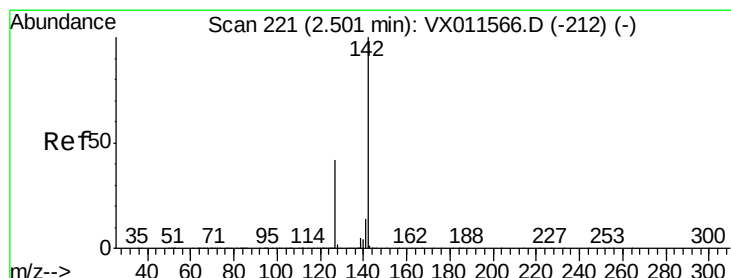
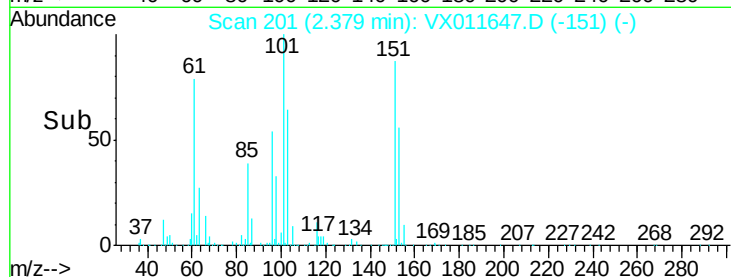
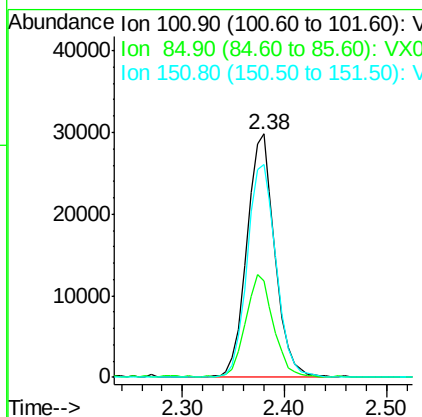
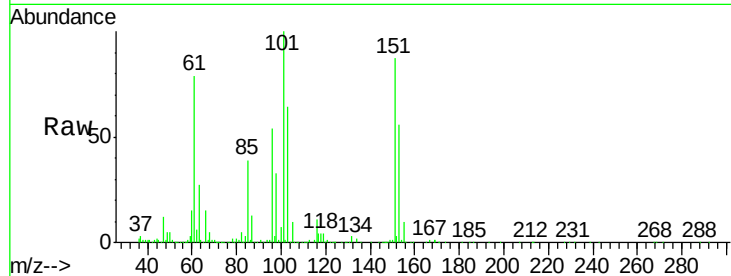
ClientSampleId :

VX0819WBS02

Tot Ion:	101	Resp:	57203
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.0	49.4
151	90.4	73.3	109.9

Manual Integrations
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#10

Methyl Iodide

Concen: 17.614 ug/l

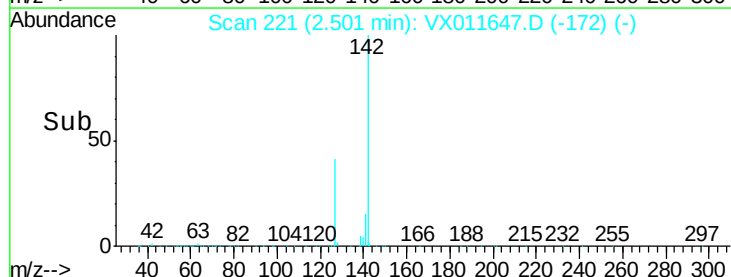
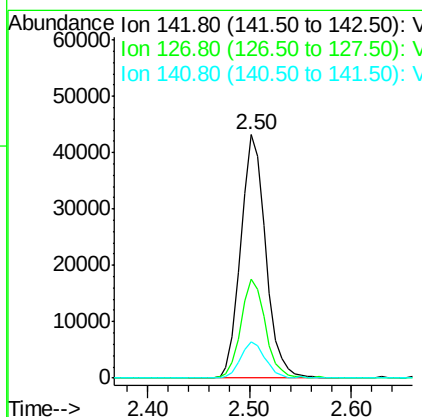
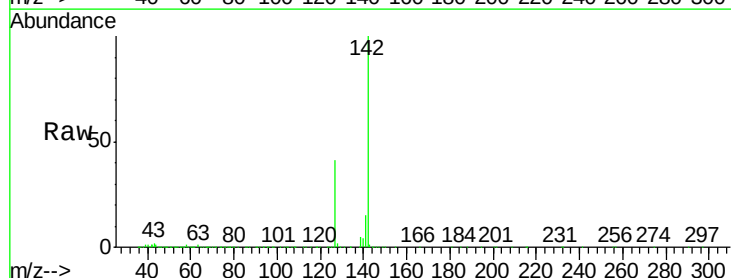
RT: 2.50 min Scan# 221

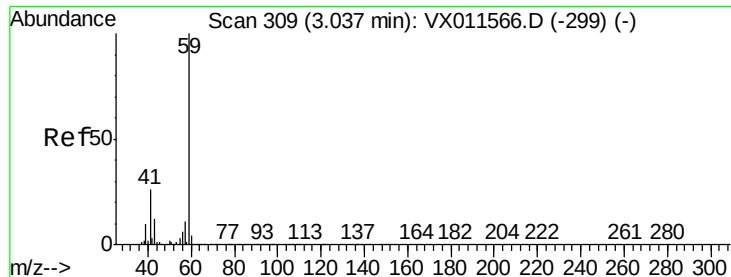
Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Tgt Ion:	142	Resp:	73160
Ion Ratio	Lower	Upper	
142	100		
127	40.2	32.8	49.2
141	15.0	11.4	17.2





#11

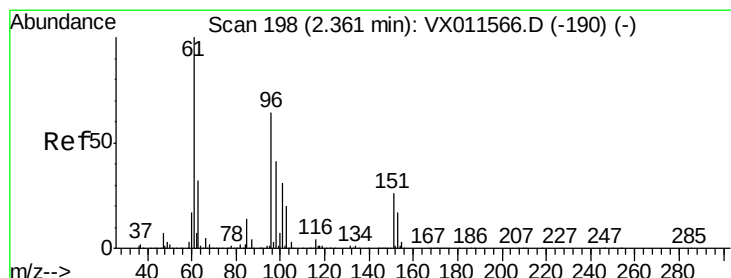
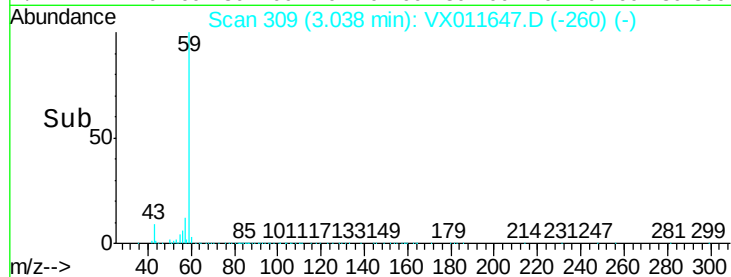
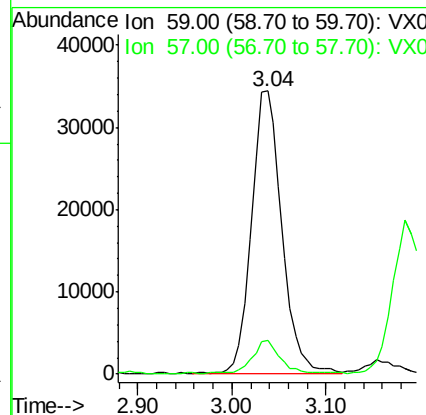
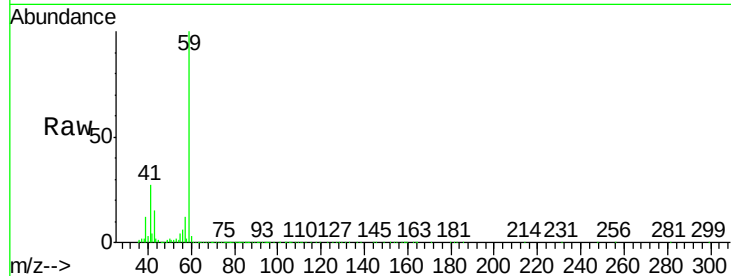
Tert butyl alcohol
Concen: 103.516 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.7	13.1

Manual Integrations
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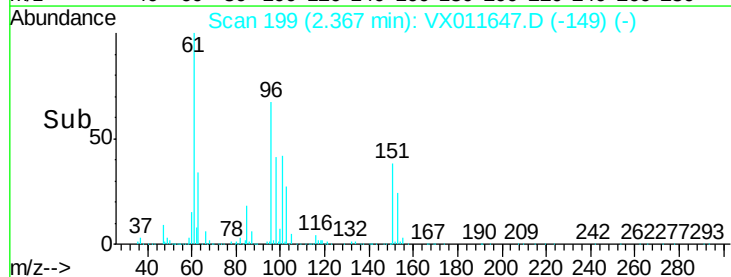
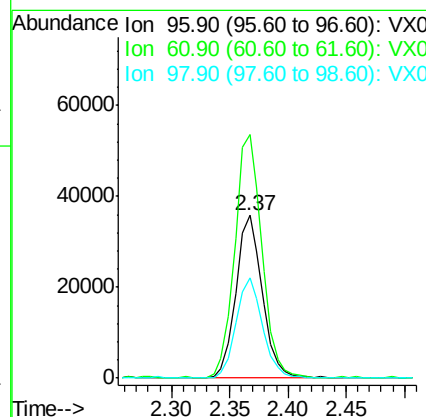
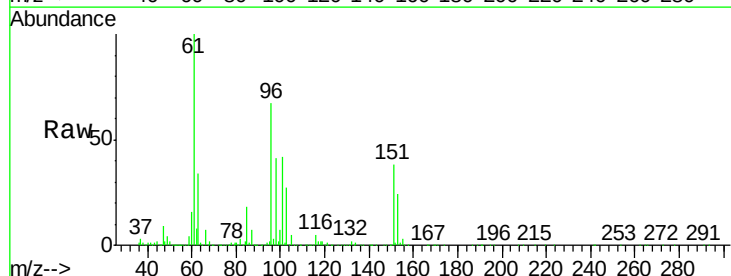
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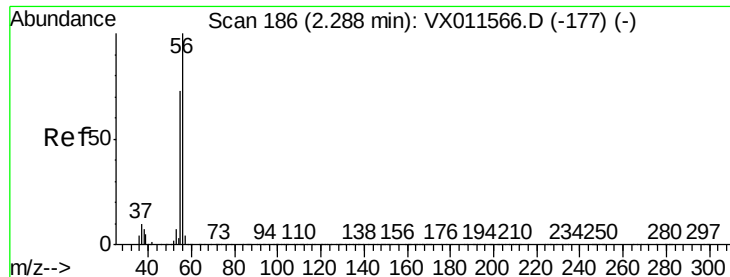


#12

1,1-Dichloroethene
Concen: 19.892 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.9	125.0	187.4
98	61.4	51.5	77.3





#13

Acrolein

Concen: 89.683 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBS02

Tot Ion: 56 Resp: 18847

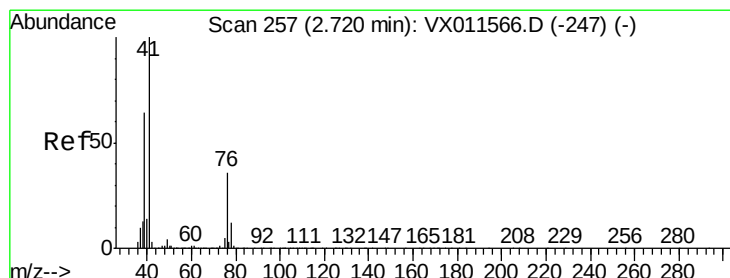
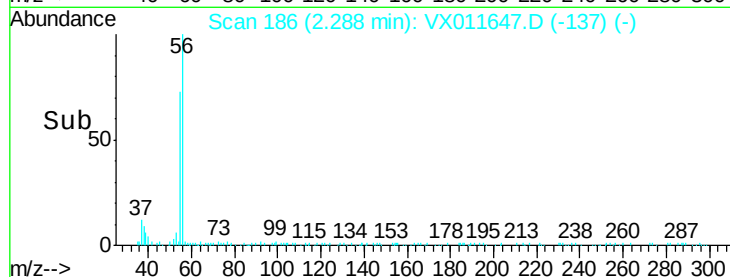
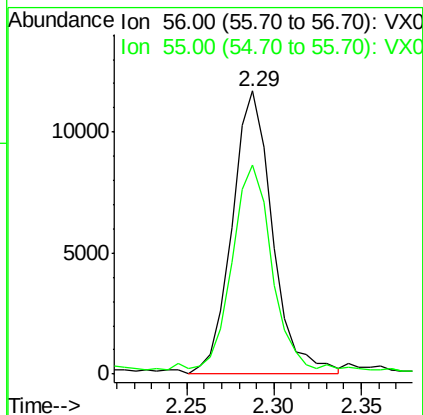
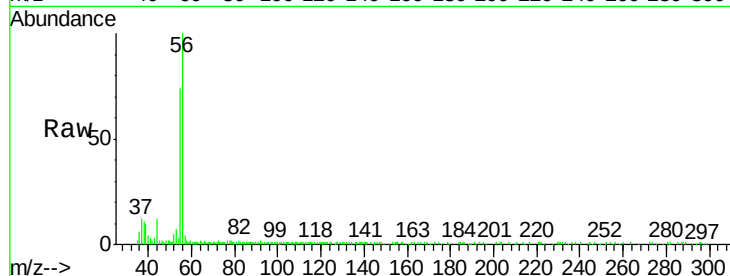
Ion Ratio Lower Upper

56 100

55 70.5 55.5 83.3

Manual Integrations
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#14

Allyl chloride

Concen: 19.783 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

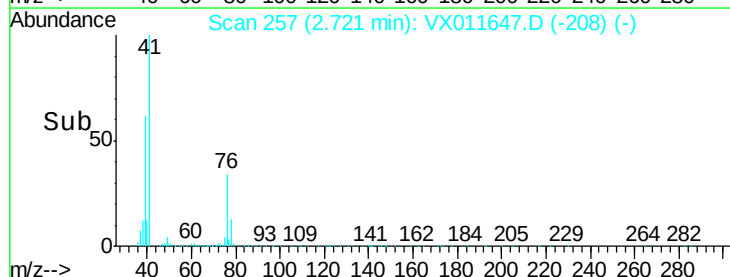
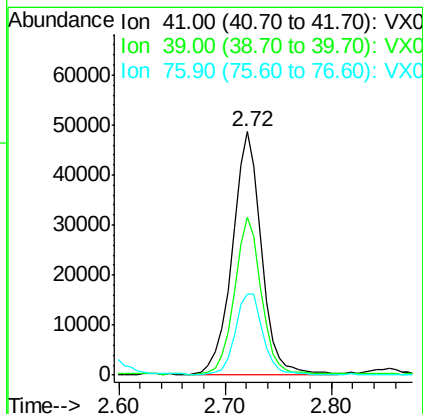
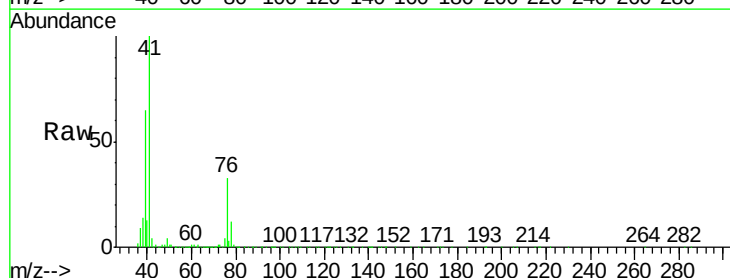
Tgt Ion: 41 Resp: 92730

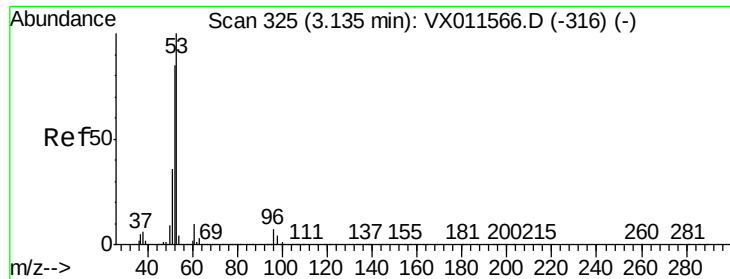
Ion Ratio Lower Upper

41 100

39 59.6 47.5 71.3

76 31.8 26.3 39.5





#15

Acrylonitrile

Concen: 105.265 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

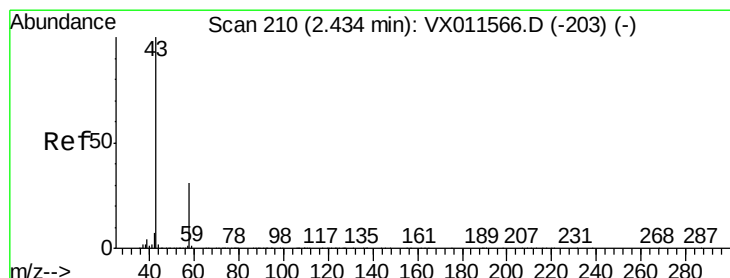
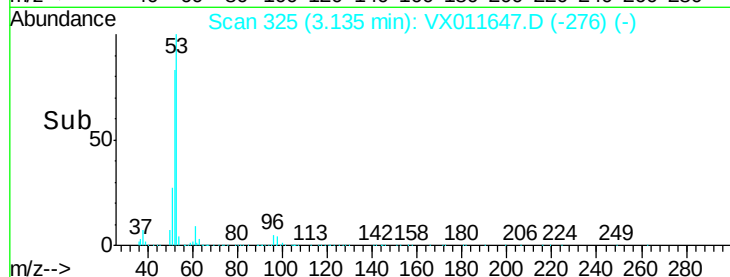
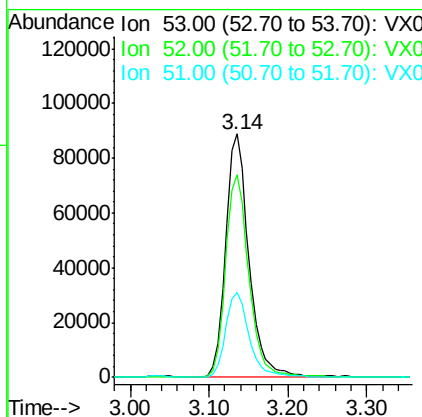
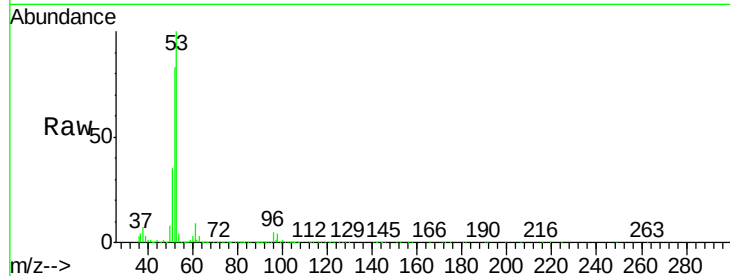
ClientSampleId :

VX0819WBS02

Tot Ion:	53	Resp:	181133
Ion Ratio		Lower	Upper
53	100		
52	83.1	66.7	100.1
51	36.3	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 102.455 ug/l

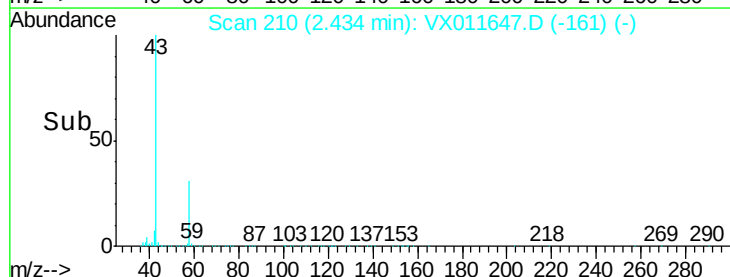
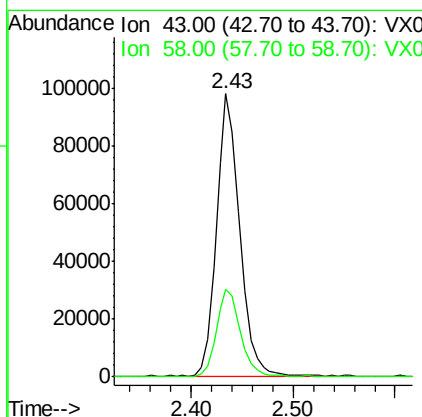
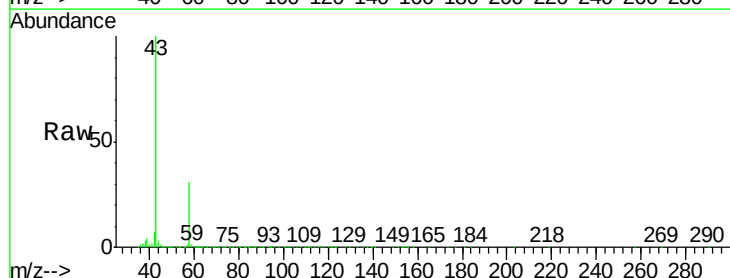
RT: 2.43 min Scan# 210

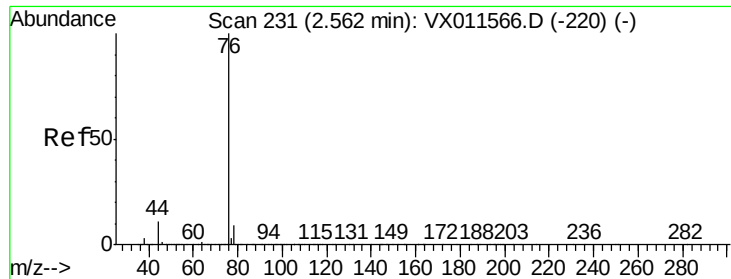
Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Tgt Ion:	43	Resp:	157877
Ion Ratio		Lower	Upper
43	100		
58	30.7	25.2	37.8





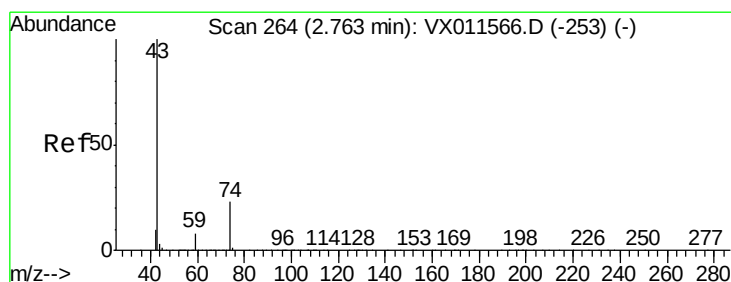
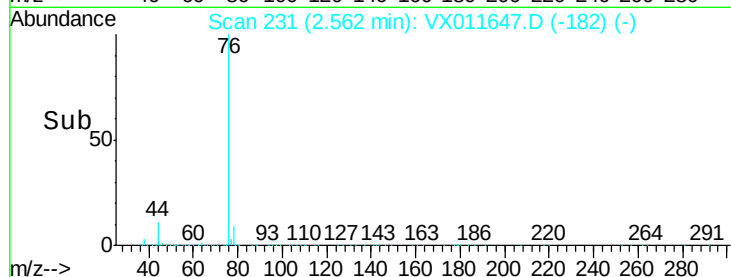
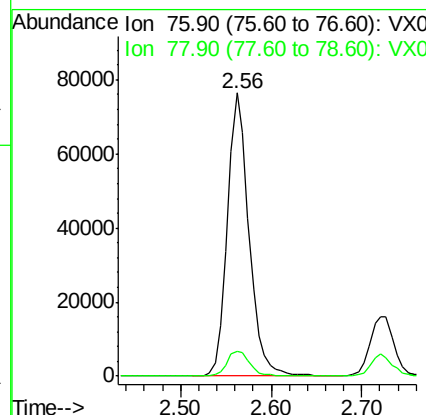
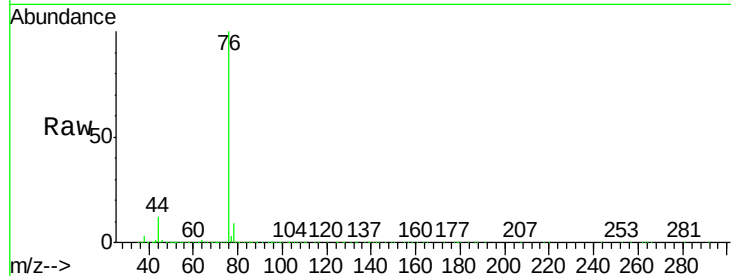
#17
Carbon Disulfide
Concen: 19.117 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

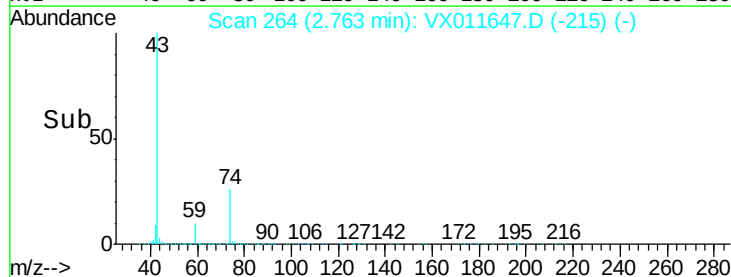
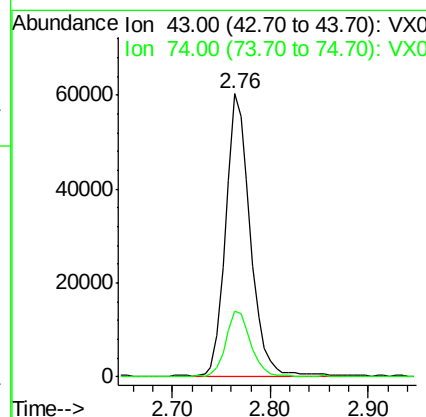
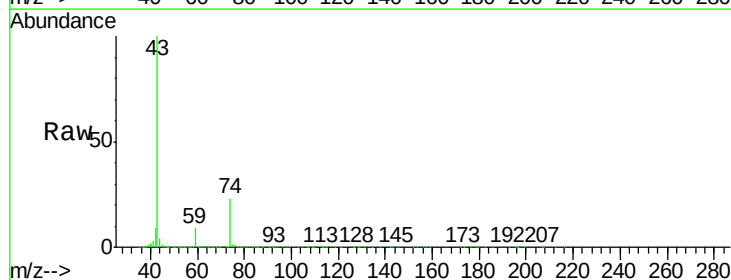
Manual Integrations
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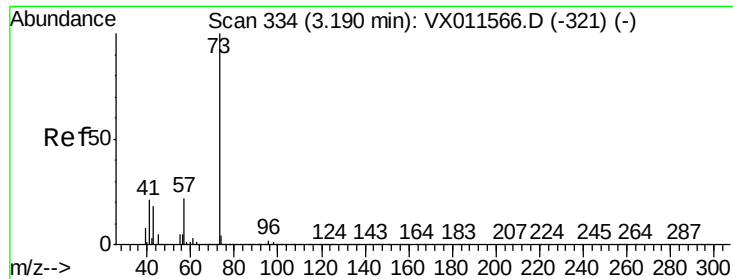
MMDadoda
8/20/2019 3:40:38 PM



#18
Methyl Acetate
Concen: 21.809 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.7	29.5





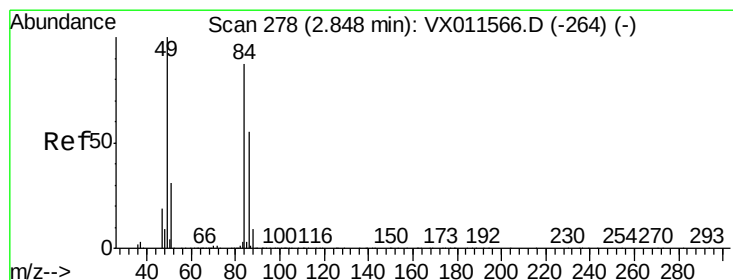
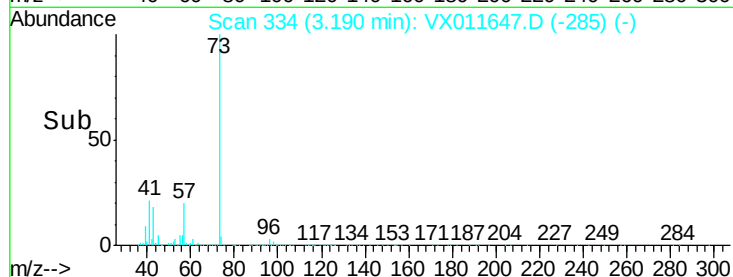
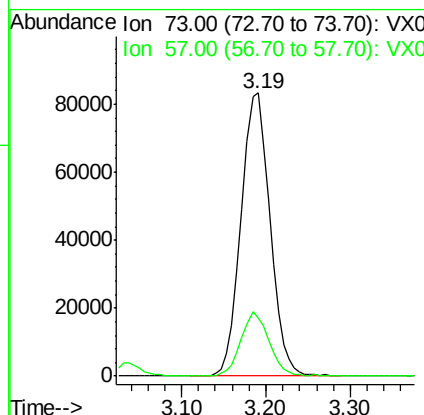
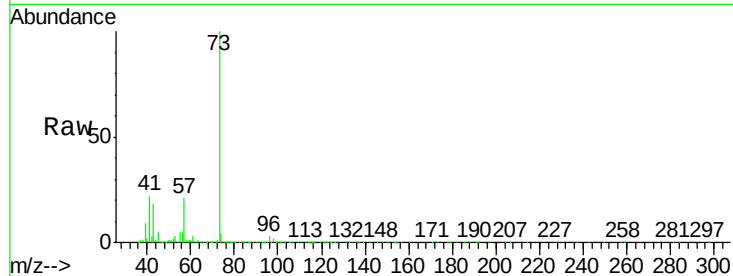
#19
Methyl tert-butyl Ether
Concen: 21.223 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.2	25.8

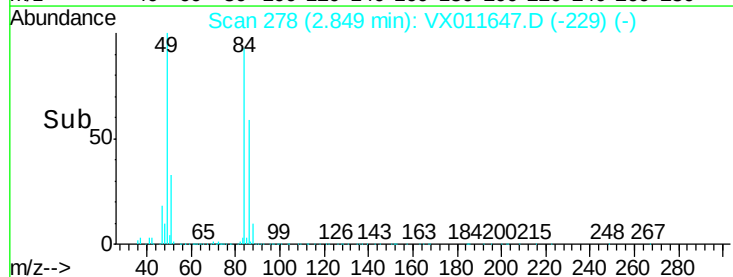
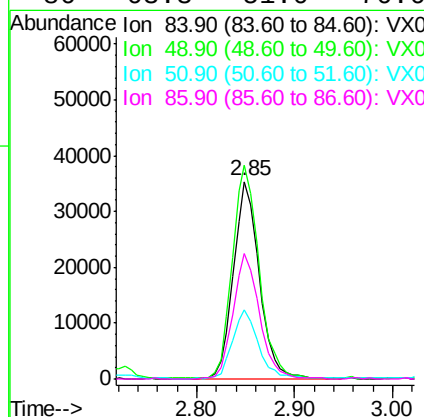
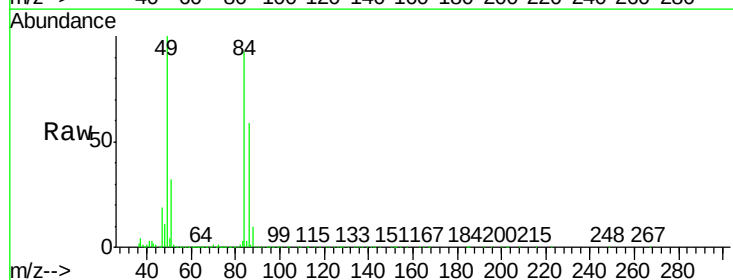
Manual Integrations
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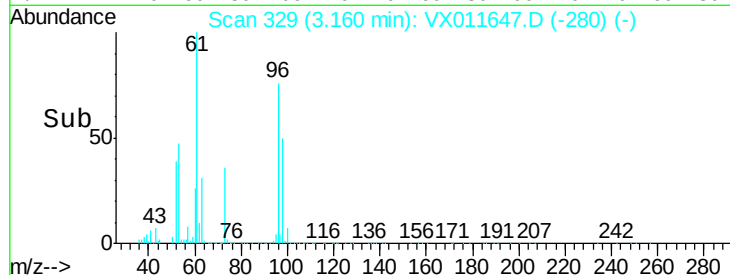
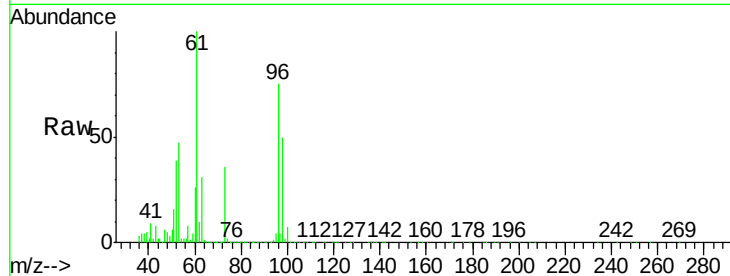
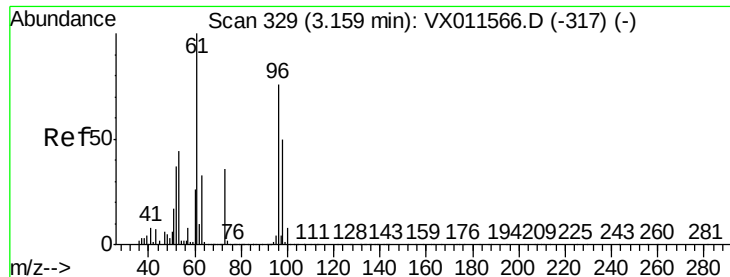
MMDadoda
8/20/2019 3:40:38 PM



#20
Methylene Chloride
Concen: 20.132 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.7	92.4	138.6
51	34.7	28.5	42.7
86	63.3	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 19.804 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011647.D

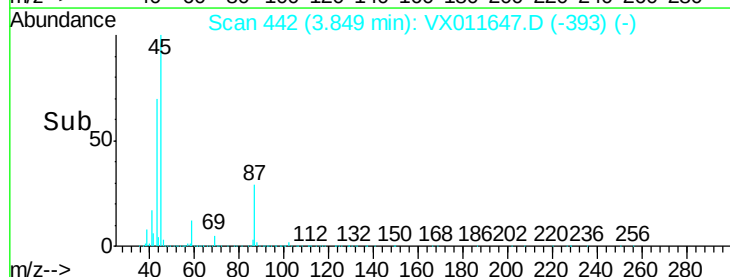
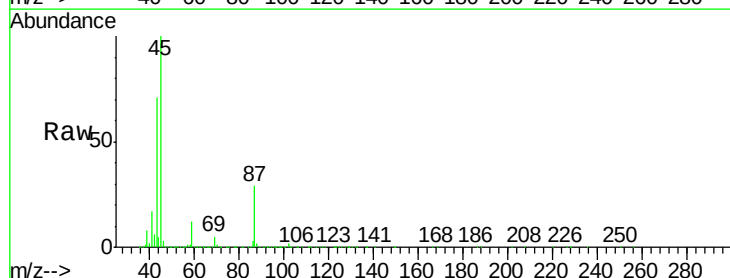
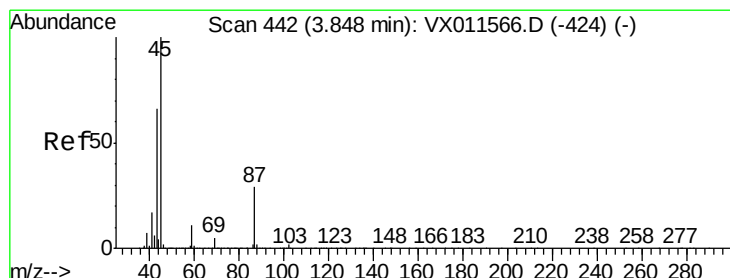
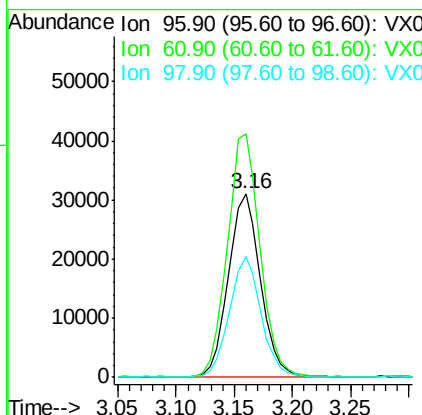
Acq: 19 Aug 2019 21:58

Tot Ion:	96	Resp:	59133
Ion Ratio	Lower	Upper	
96	100		
61	132.4	105.5	158.3
98	65.8	52.6	78.8

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.544 ug/l

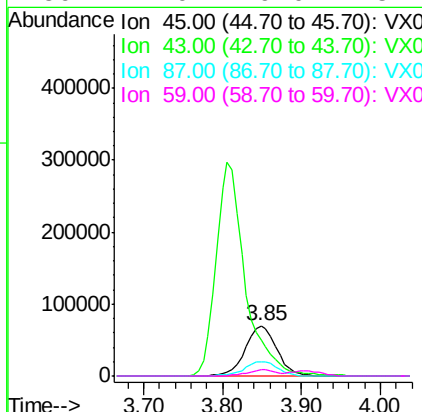
RT: 3.85 min Scan# 442

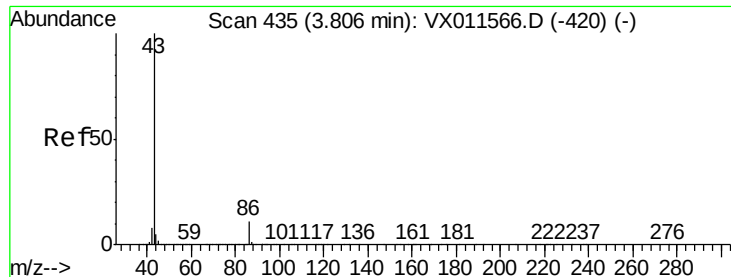
Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Tgt Ion:	45	Resp:	191772
Ion Ratio	Lower	Upper	
45	100		
43	69.9	52.7	79.1
87	29.1	23.5	35.3
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 103.708 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBS02

Tot Ion: 43 Resp: 766593

Ion Ratio Lower Upper

43 100

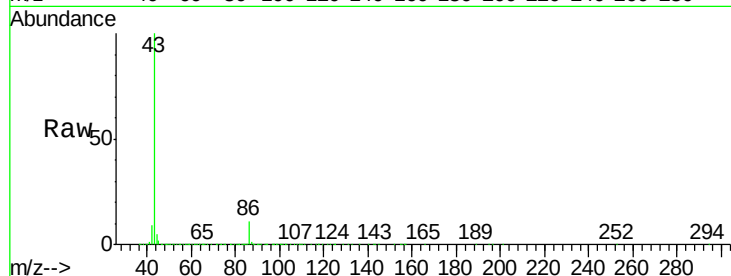
86 10.7 8.6 13.0

Manual Integrations

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8/20/2019 3:40:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

200000

100000

0

3.81

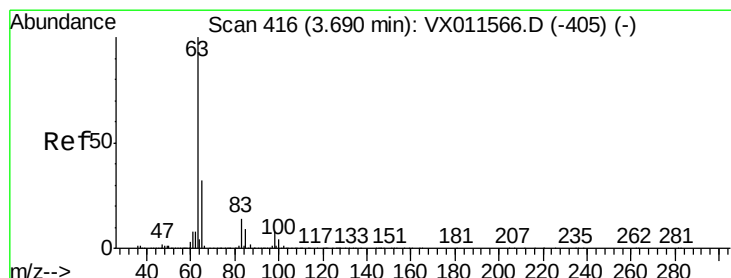
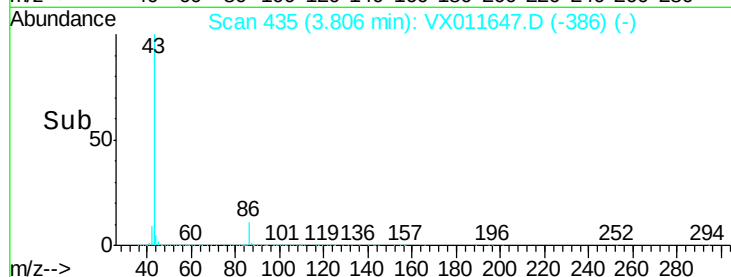
3.70

3.80

3.90

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.149 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

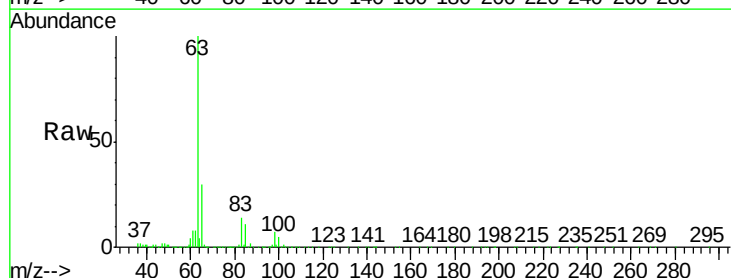
Tgt Ion: 63 Resp: 106343

Ion Ratio Lower Upper

63 100

98 7.1 3.7 11.1

100 5.0 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

60000

50000

40000

30000

20000

10000

0

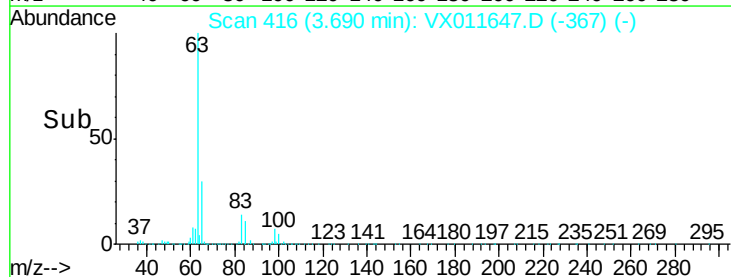
3.69

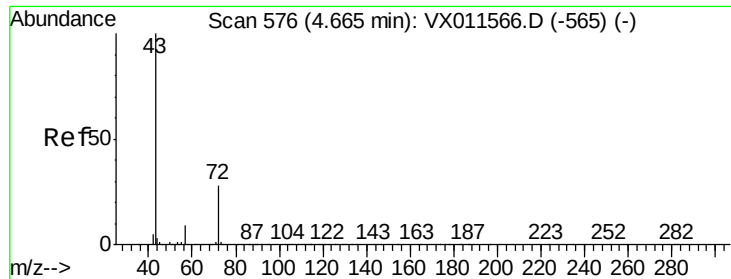
3.60

3.70

3.80

Time-->





#25

2-Butanone

Concen: 103.240 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBS02

Tot Ion: 43 Resp: 249754

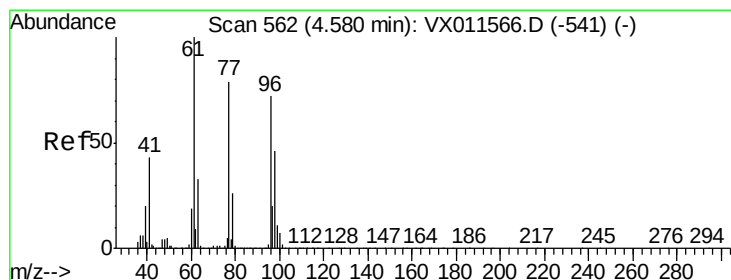
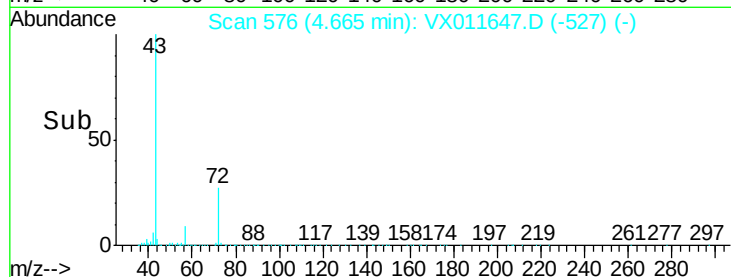
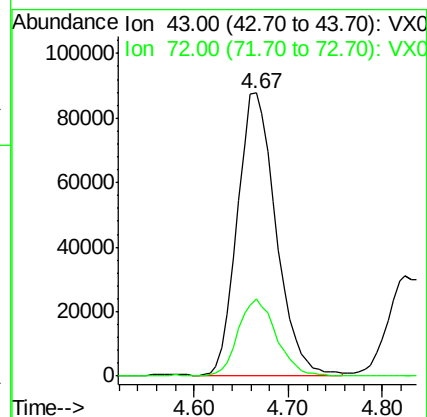
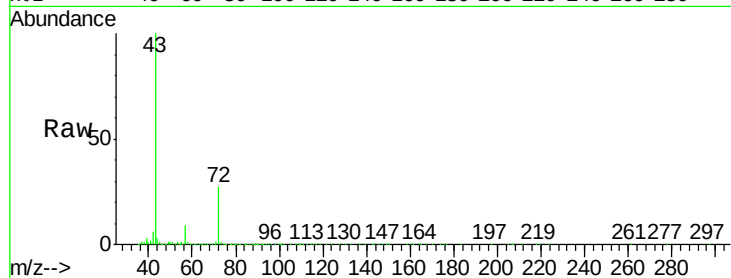
Ion Ratio Lower Upper

43 100

72 27.1 22.2 33.4

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:40:38 PM



#26

2,2-Dichloropropane

Concen: 17.462 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011647.D

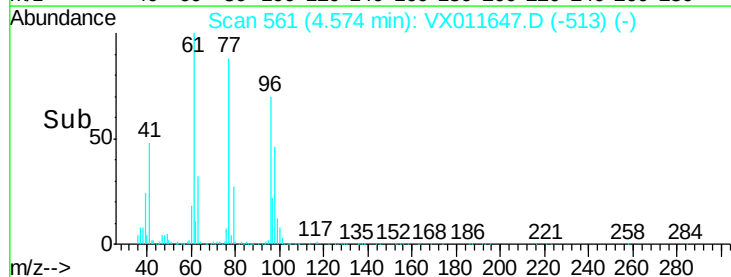
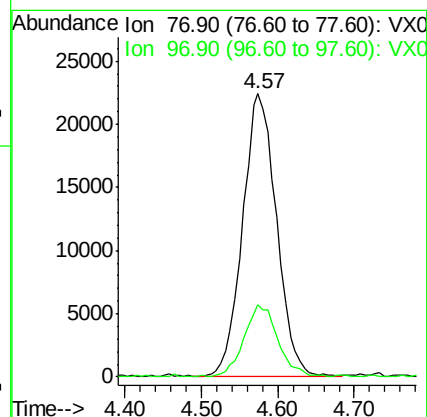
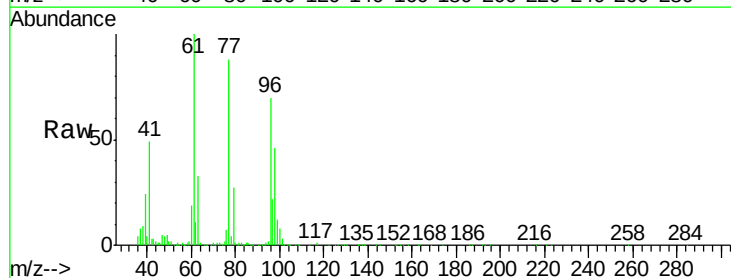
Acq: 19 Aug 2019 21:58

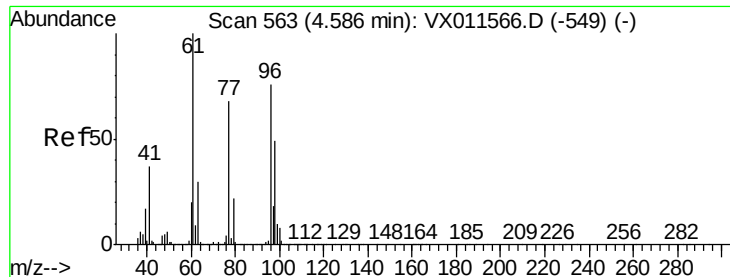
Tgt Ion: 77 Resp: 69362

Ion Ratio Lower Upper

77 100

97 25.2 12.4 37.2





#27

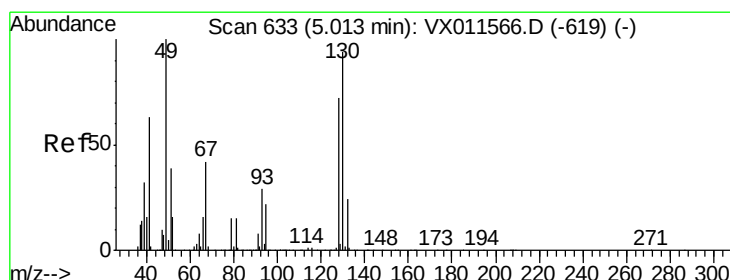
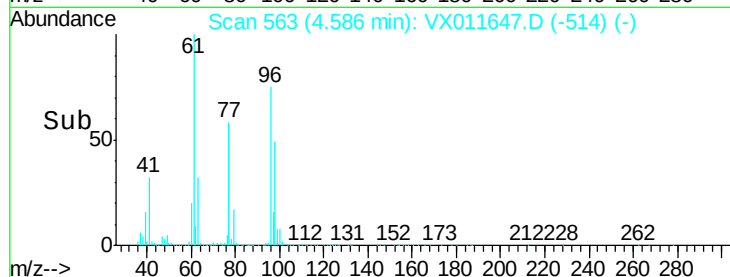
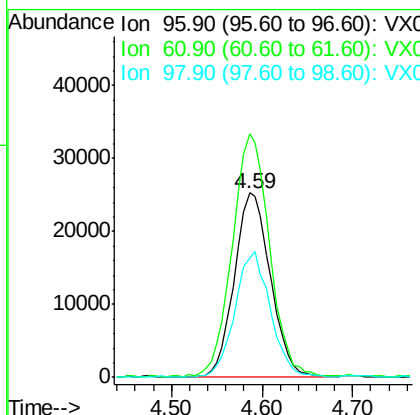
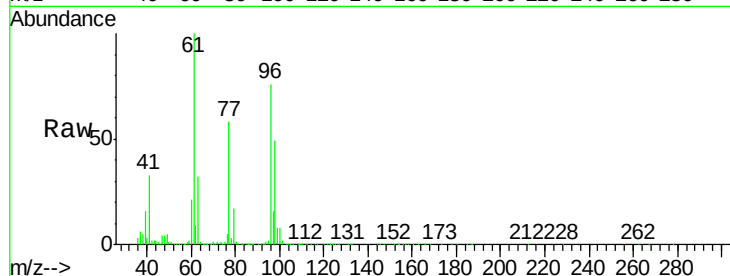
cis-1,2-Dichloroethene
Concen: 19.948 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	272.6
98	67.6	0.0	129.4

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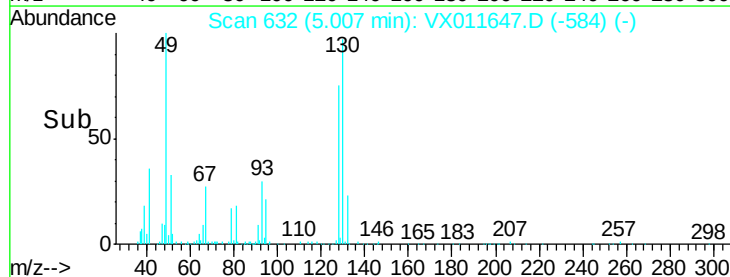
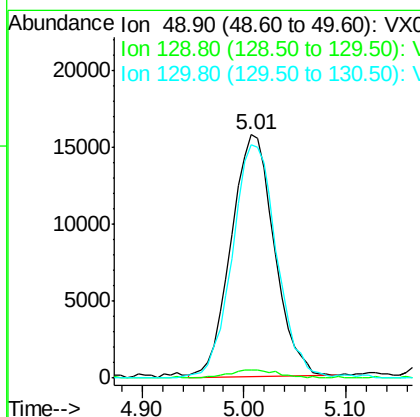
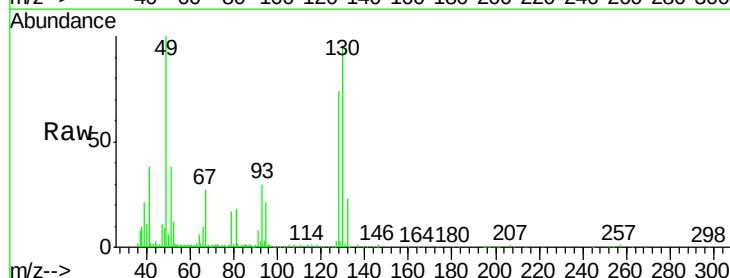
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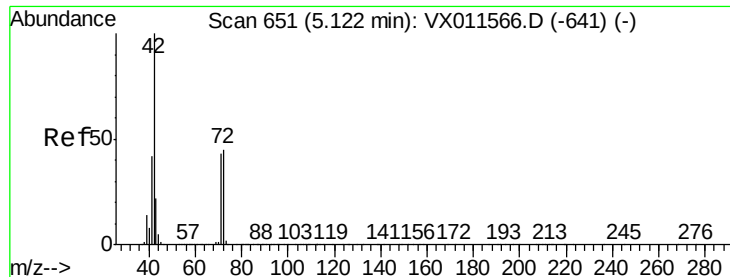


#28

Bromochloromethane
Concen: 20.004 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	4.0	0.0	5.0
130	99.1	76.6	115.0





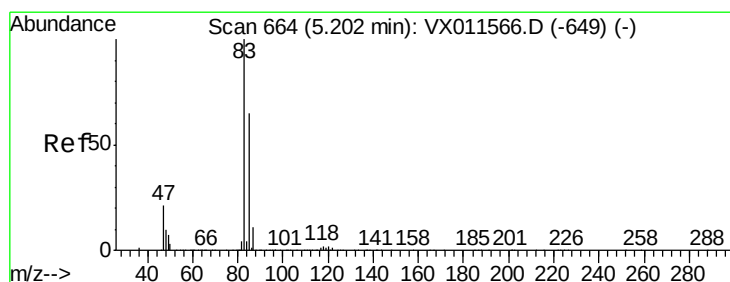
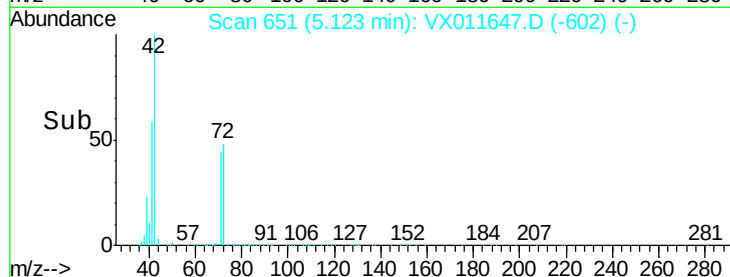
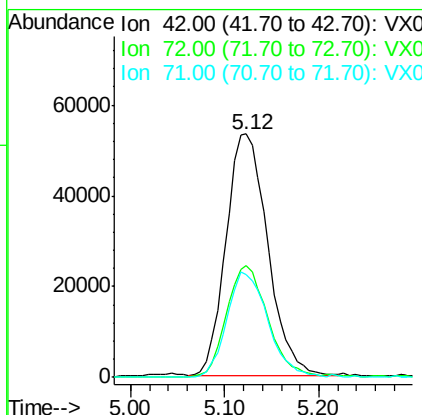
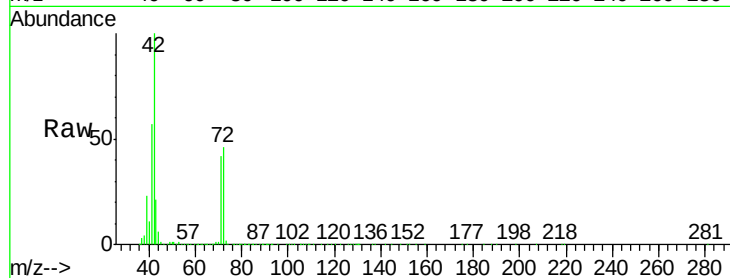
#29
Tetrahydrofuran
Concen: 103.095 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	36.1	54.1
71	42.6	33.8	50.8

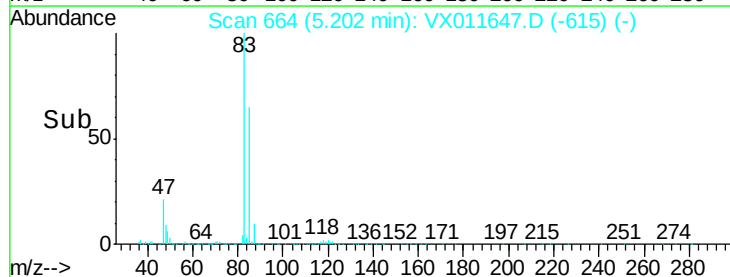
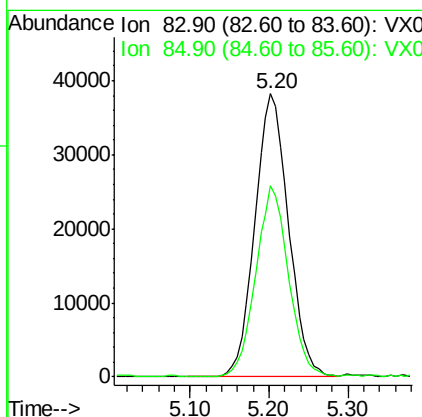
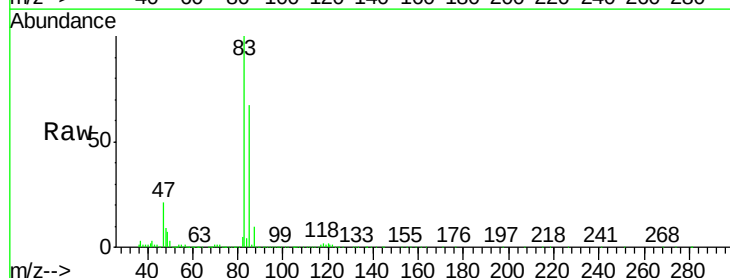
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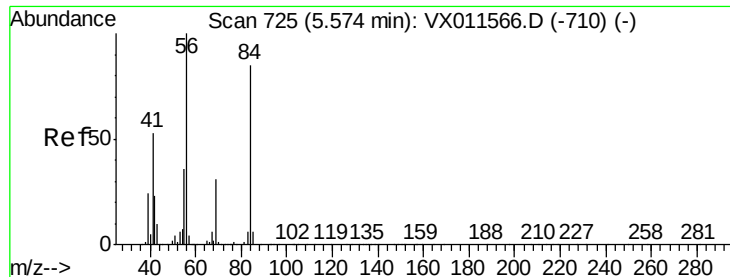
MMDadoda
8/20/2019 3:40:38 PM



#30
Chloroform
Concen: 20.227 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.9	77.9





#31

Cyclohexane

Concen: 19.593 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

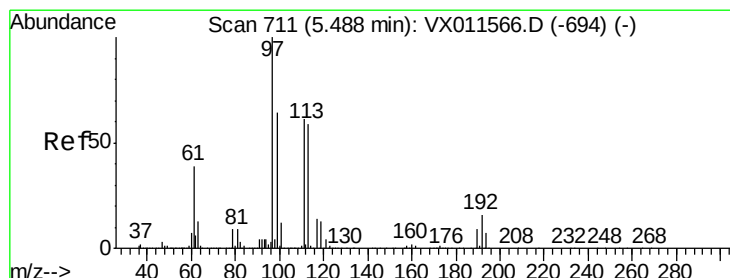
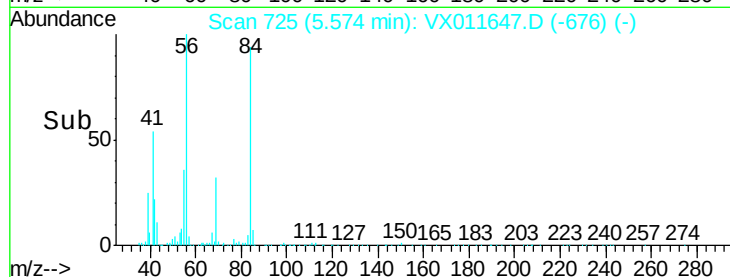
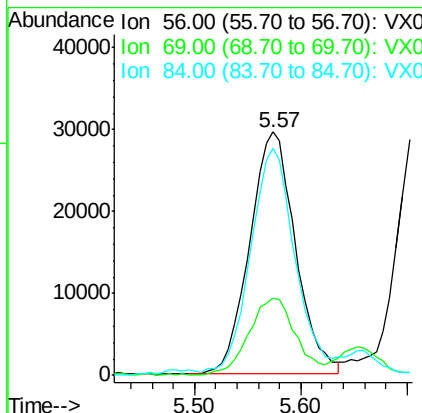
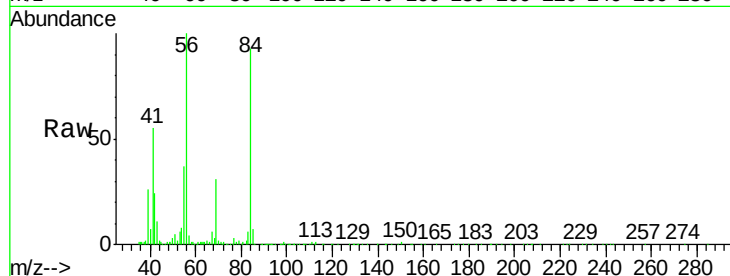
ClientSampleId :

VX0819WBS02

Tot Ion:	56	Resp:	89030
Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.8	37.2
84	91.6	67.9	101.9

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8/20/2019 3:40:38 PM



#32

1,1,1-Trichloroethane

Concen: 20.717 ug/l

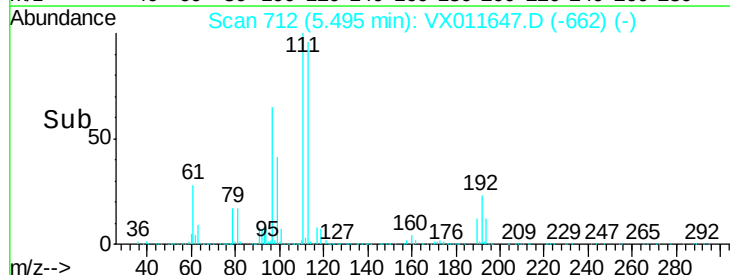
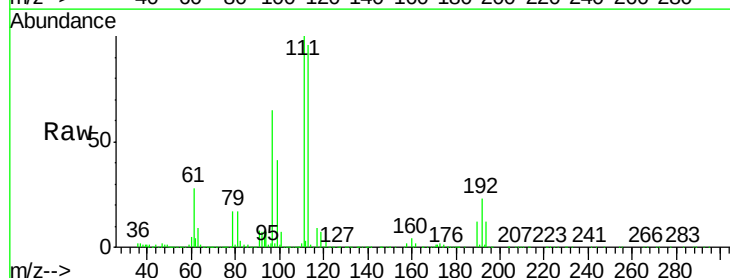
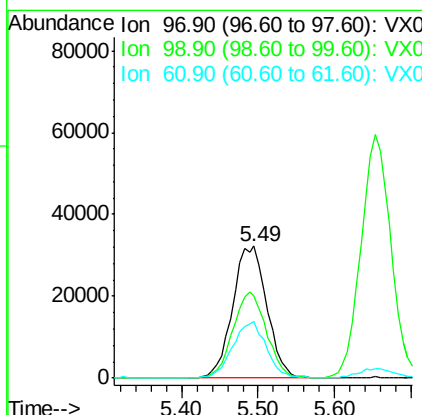
RT: 5.49 min Scan# 712

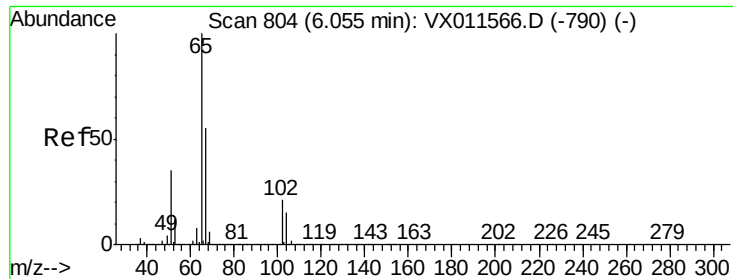
Delta R.T. 0.01 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Tgt Ion:	97	Resp:	99219
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	42.8	31.4	47.2





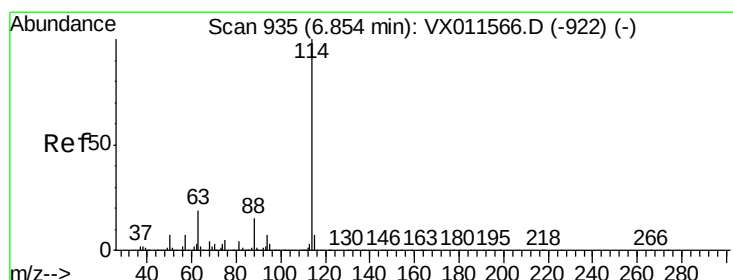
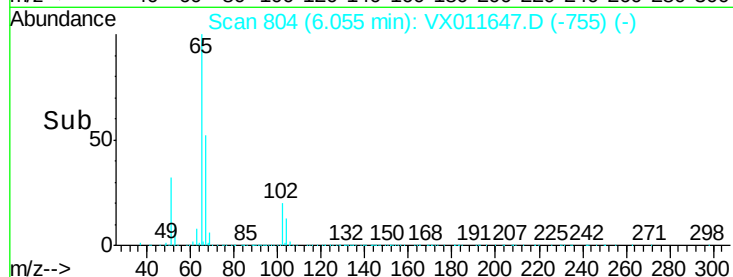
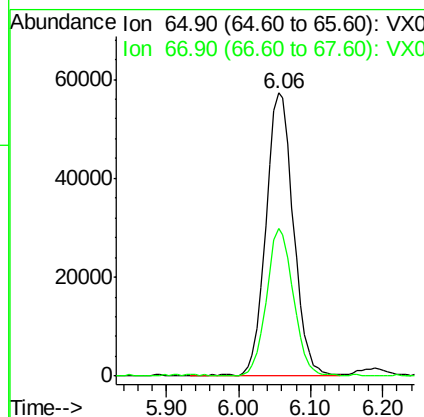
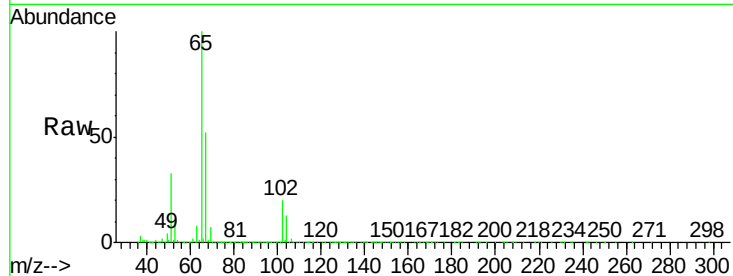
#33
 1,2-Dichloroethane-d4
 Concen: 49.161 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	150659		
67	50.7	0.0	107.6	

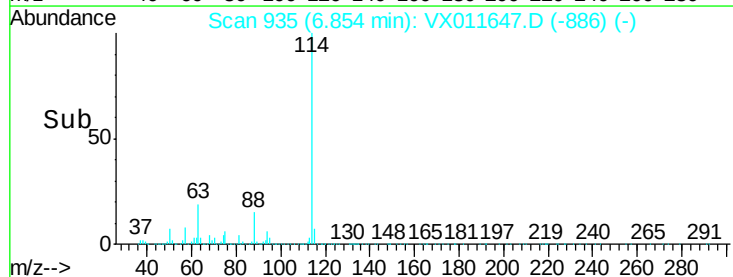
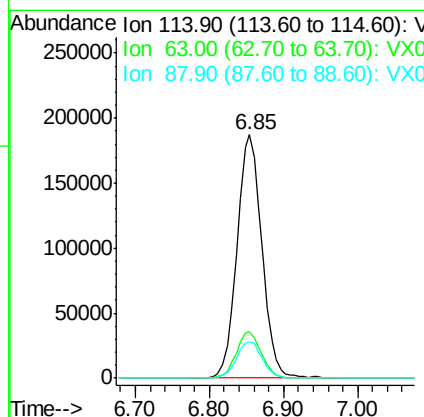
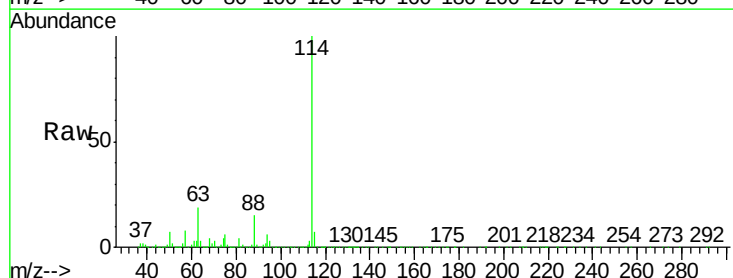
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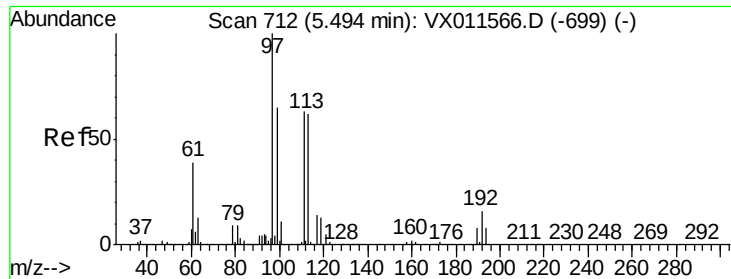
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 8/20/2019 3:40:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	439312		
63	19.2	0.0	37.8	
88	14.8	0.0	30.2	





#35

Dibromofluoromethane

Concen: 48.365 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

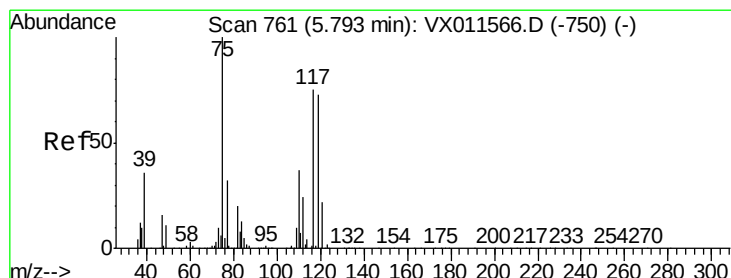
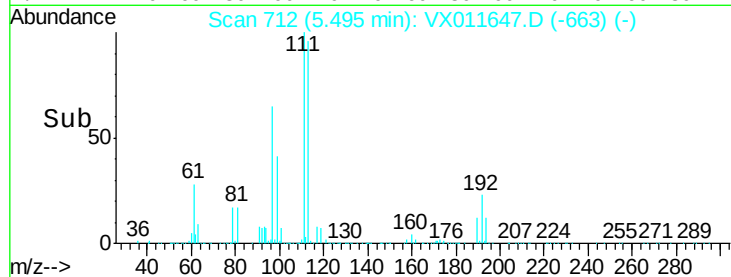
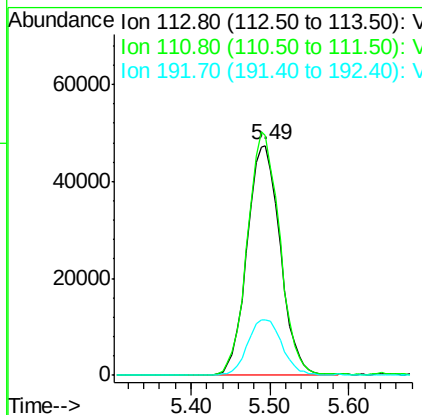
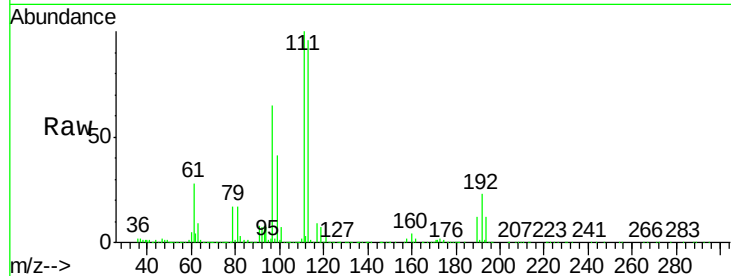
ClientSampleId :

VX0819WBS02

Tot Ion:	113	Resp:	138971
Ion Ratio	Lower	Upper	
113	100		
111	103.3	81.1	121.7
192	25.2	20.8	31.2

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8/20/2019 3:40:38 PM



#36

1,1-Dichloropropene

Concen: 19.303 ug/l

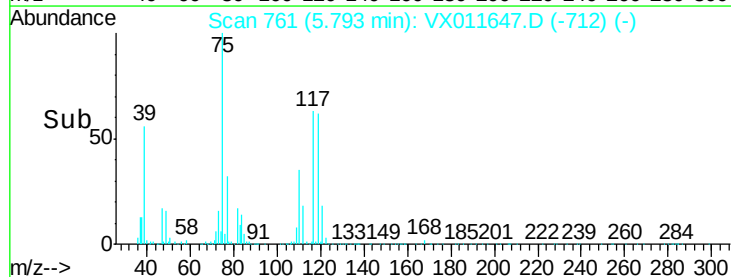
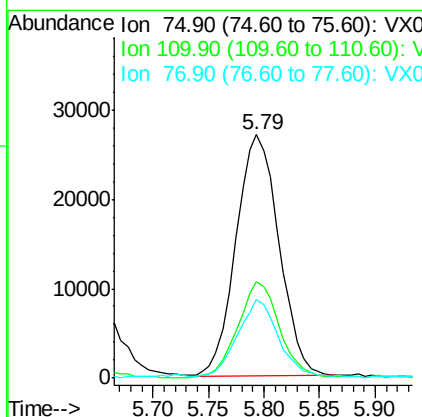
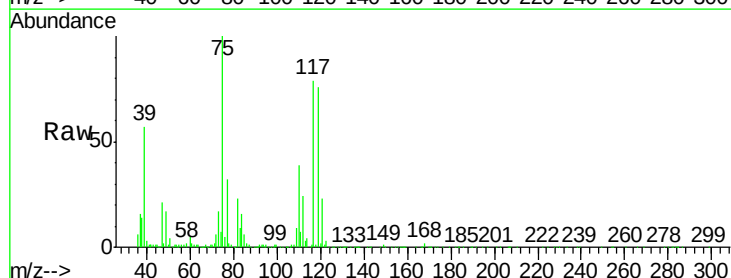
RT: 5.79 min Scan# 761

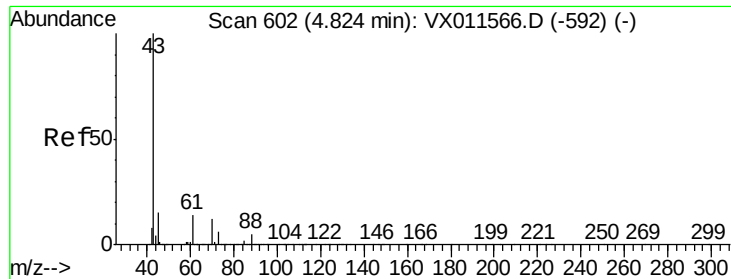
Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Tgt Ion:	75	Resp:	72503
Ion Ratio	Lower	Upper	
75	100		
110	39.2	19.4	58.1
77	31.1	25.1	37.7





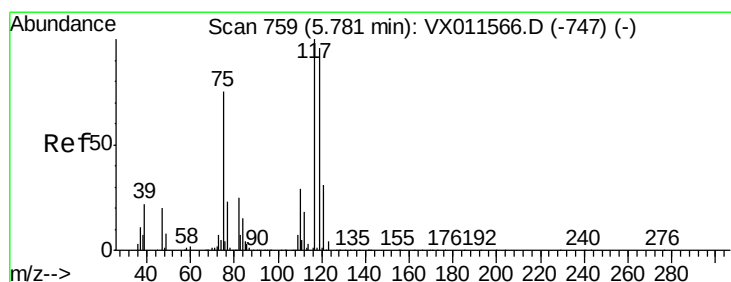
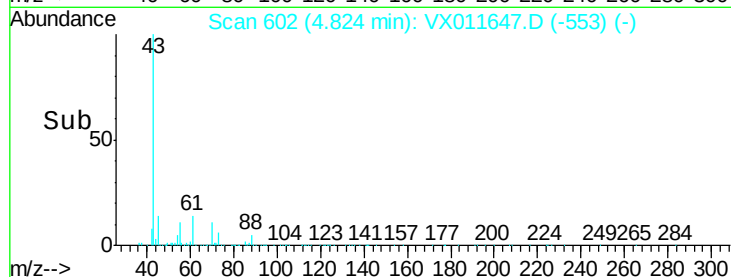
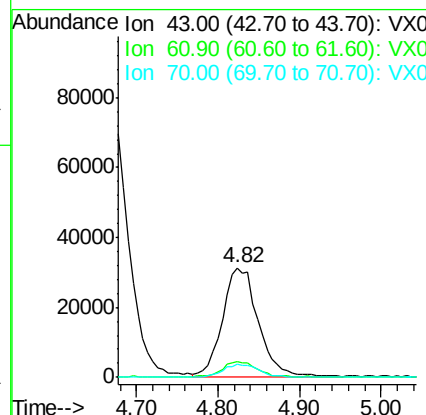
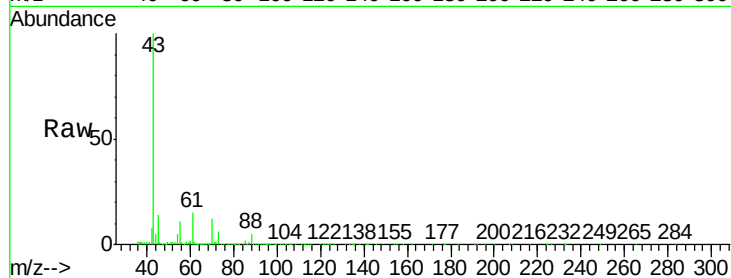
#37
Ethyl Acetate
Concen: 21.607 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.4	17.0
70	12.0	9.0	13.6

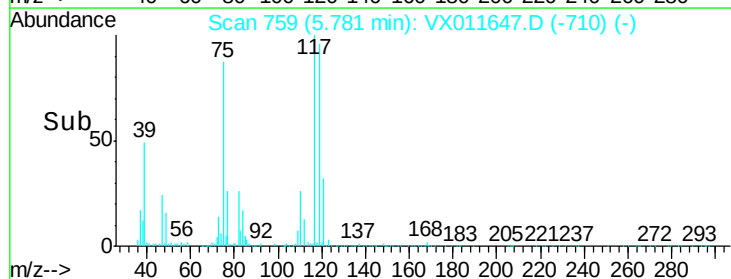
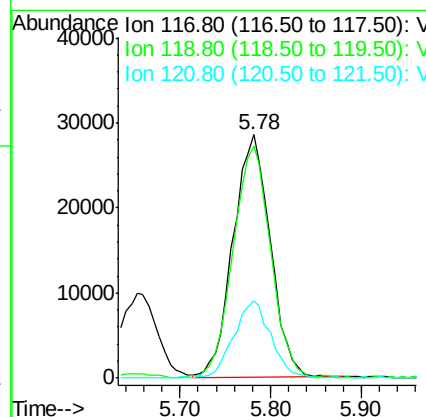
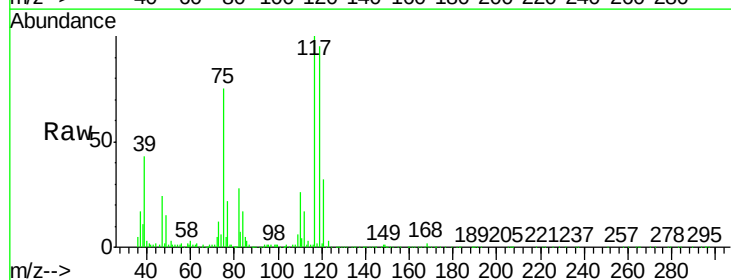
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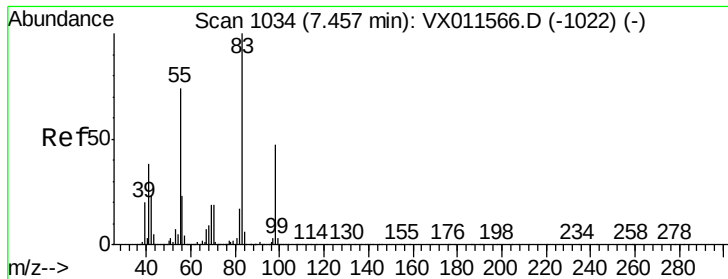
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#38
Carbon Tetrachloride
Concen: 19.650 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.9	115.3
121	31.6	24.8	37.2





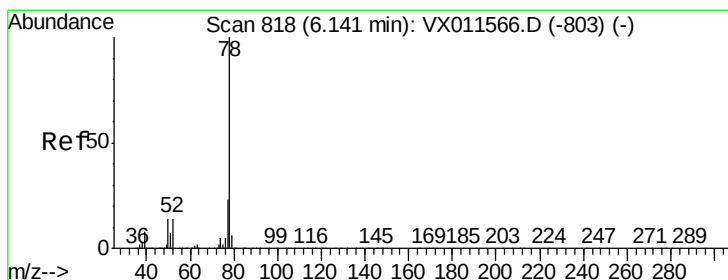
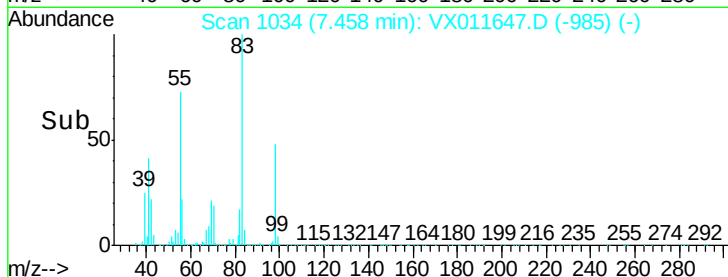
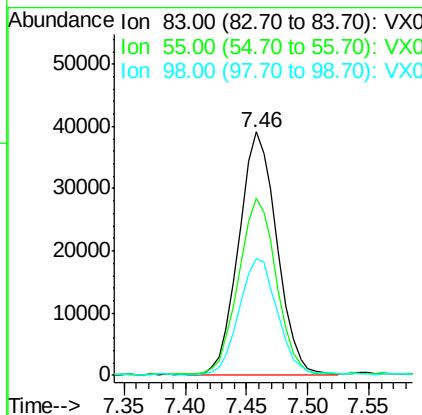
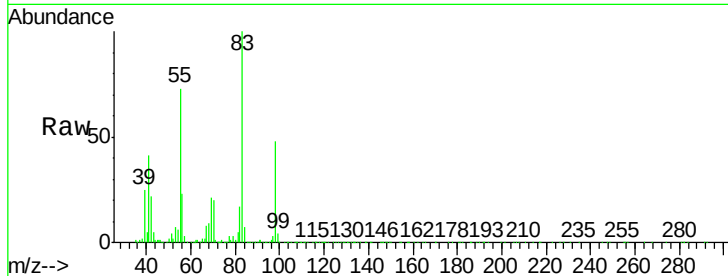
#39
Methylvlcyclohexane
Concen: 18.142 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.7	58.8	88.2
98	47.6	37.8	56.6

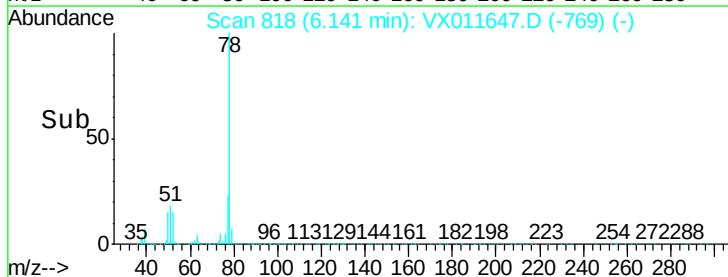
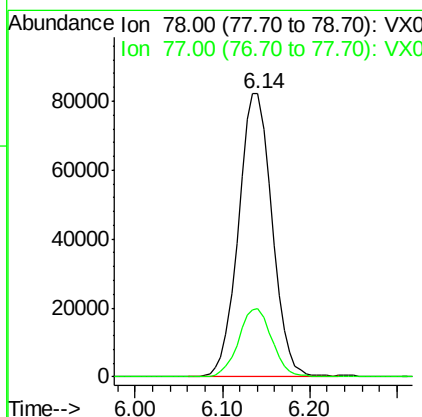
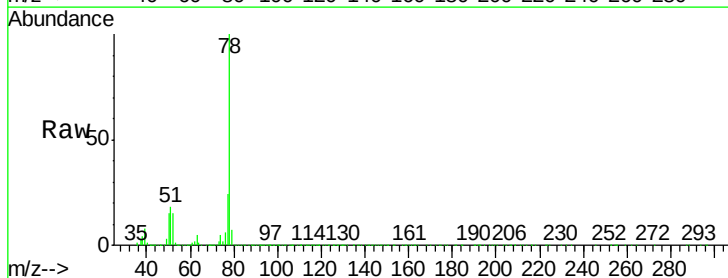
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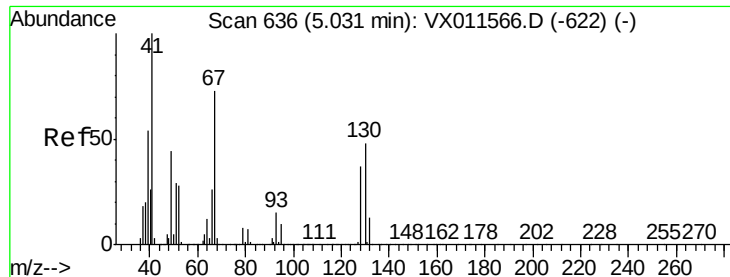
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8/20/2019 3:40:38 PM



#40
Benzene
Concen: 18.798 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0





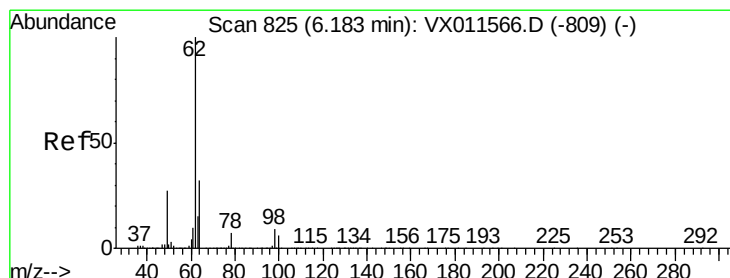
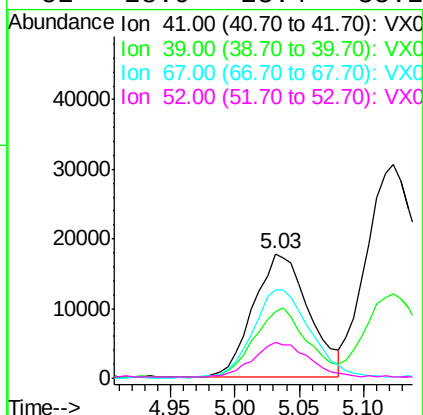
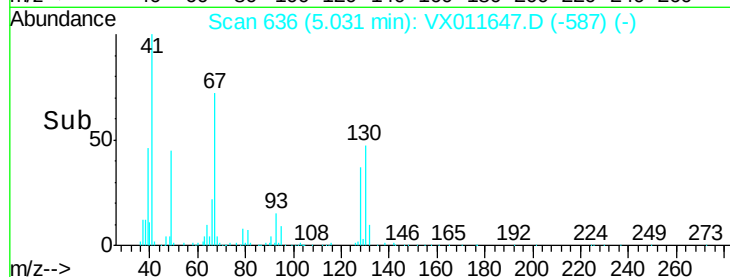
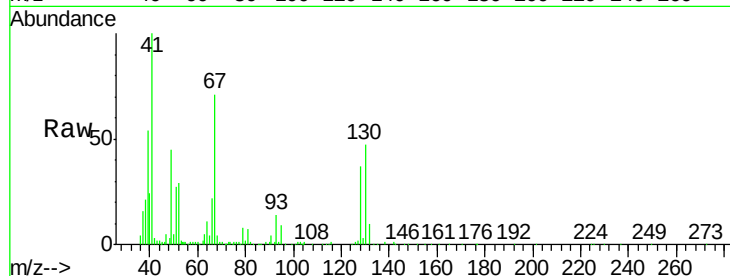
#41
Methacrylonitrile
Concen: 22.188 ug/l
RT: 5.03 min Scan# 636
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	43.5	65.3	
67	74.6	59.4	89.2	
52	28.9	23.4	35.2	

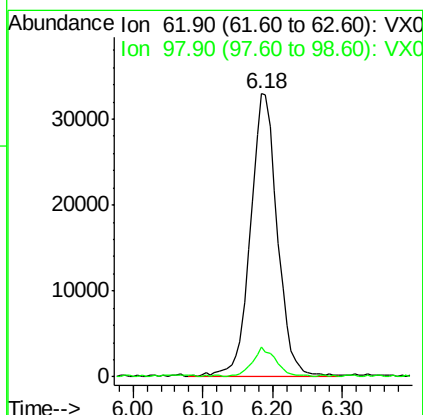
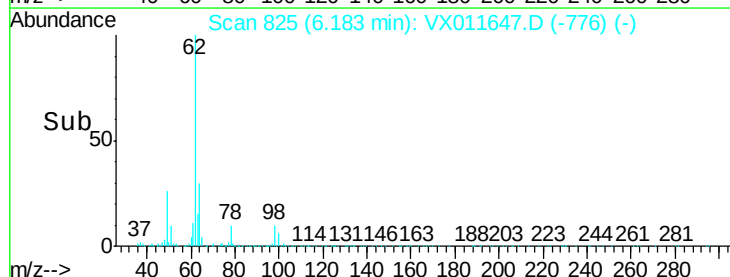
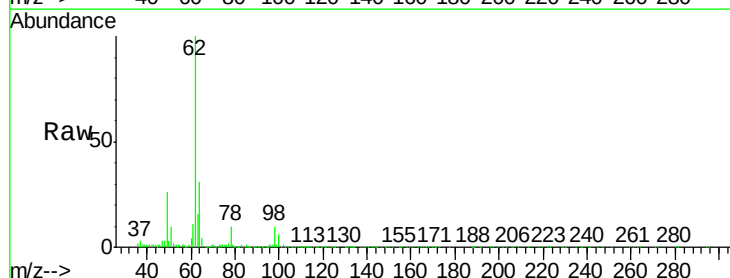
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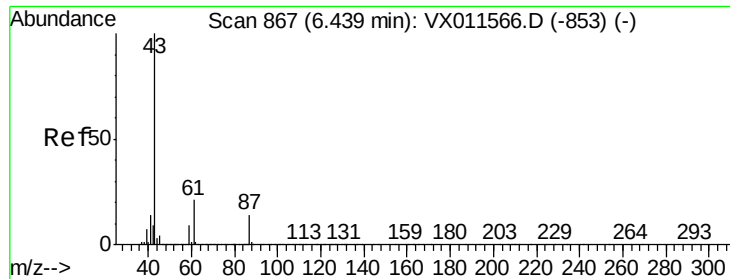
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8/20/2019 3:40:38 PM



#42
1,2-Dichloroethane
Concen: 21.935 ug/l
RT: 6.18 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	19.4	





#43

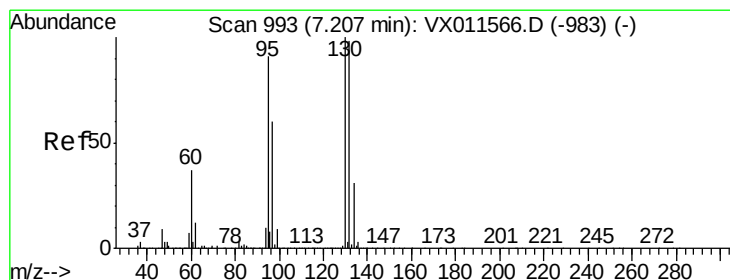
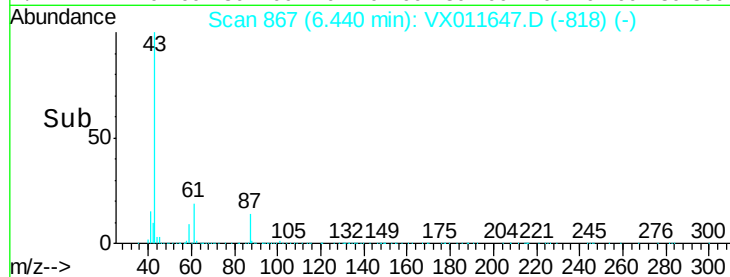
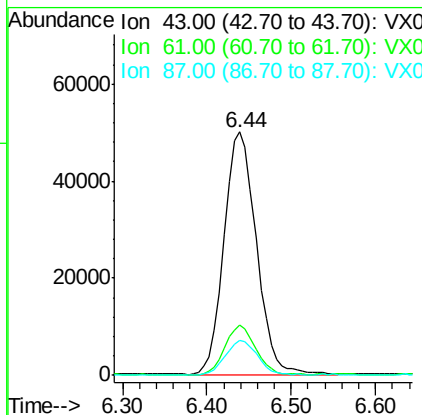
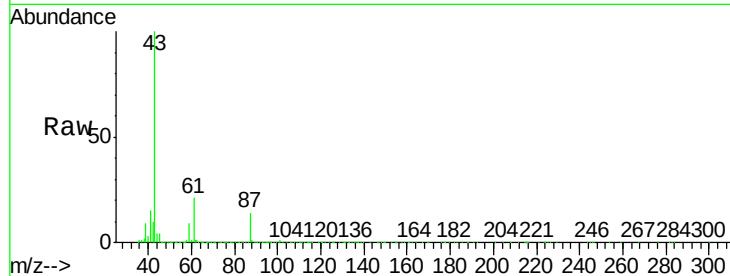
Isopropyl Acetate
 Concen: 19.367 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.6	24.8
87	13.7	11.4	17.2

Manual Integrations
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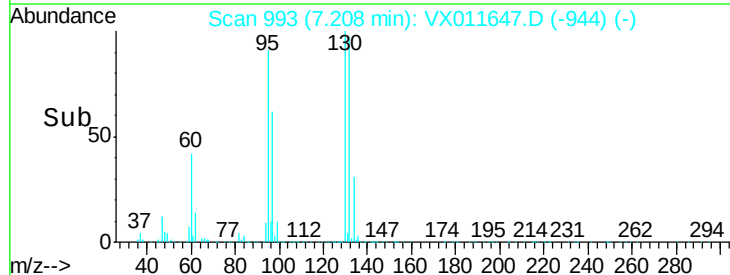
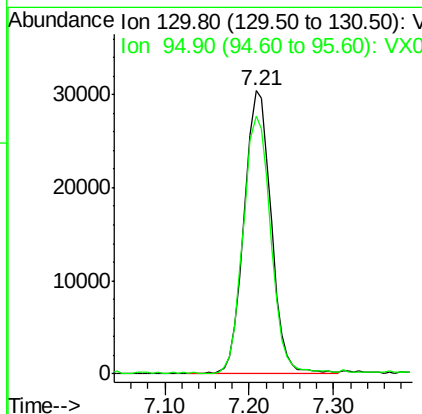
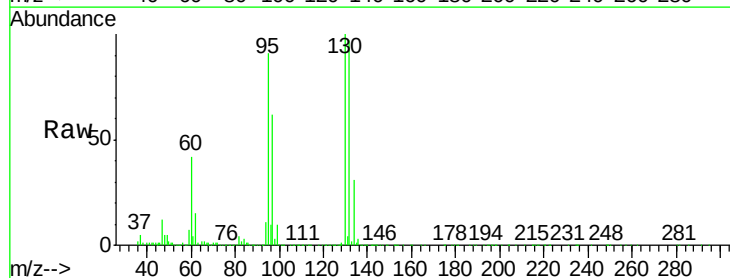
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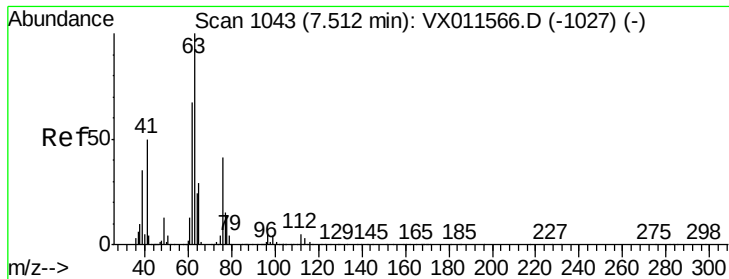


#44

Trichloroethene
 Concen: 19.060 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	181.4





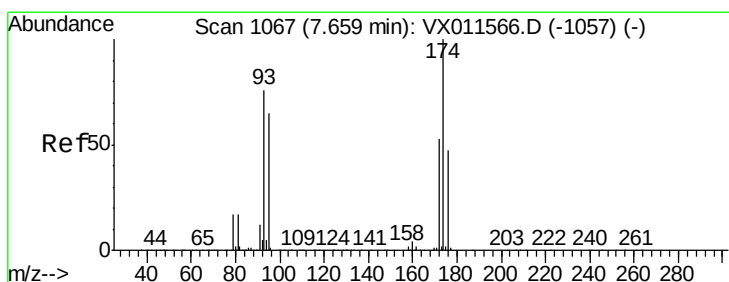
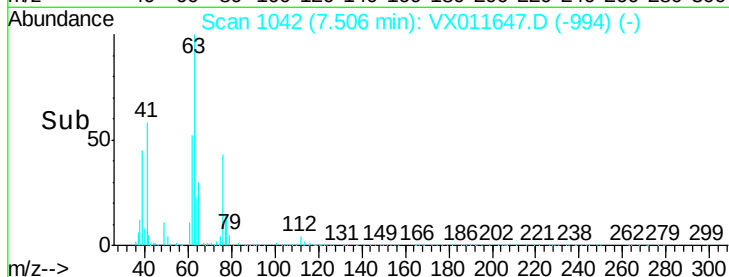
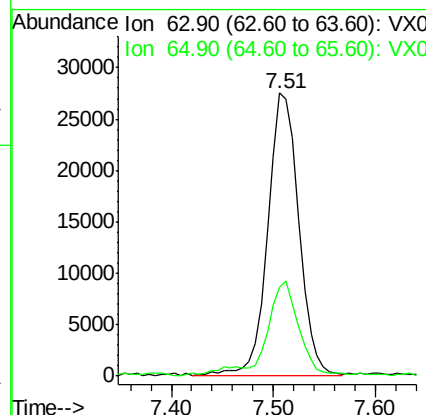
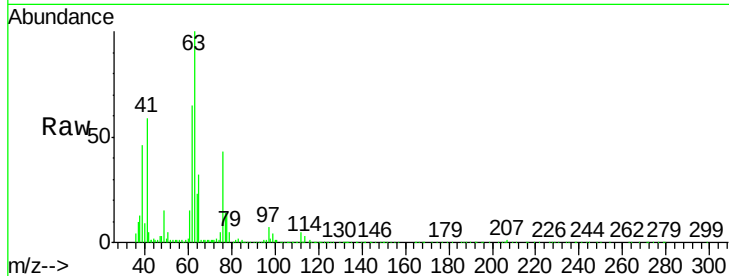
#45
 1,2-Dichloropropane
 Concen: 19.891 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	23.4	35.2

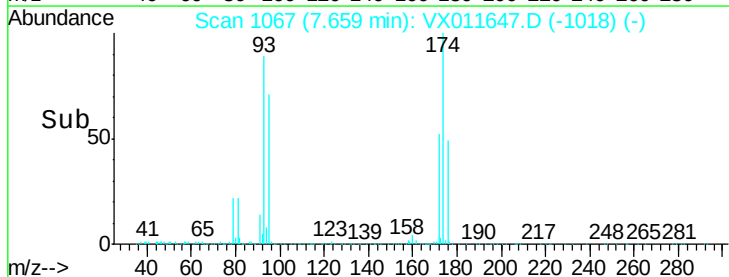
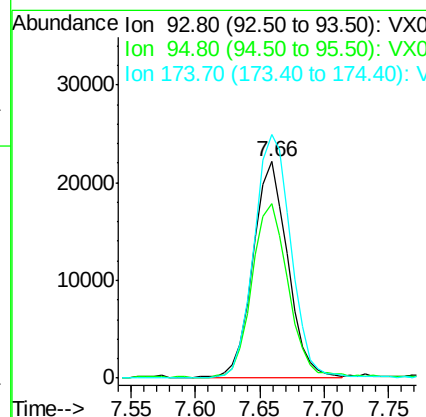
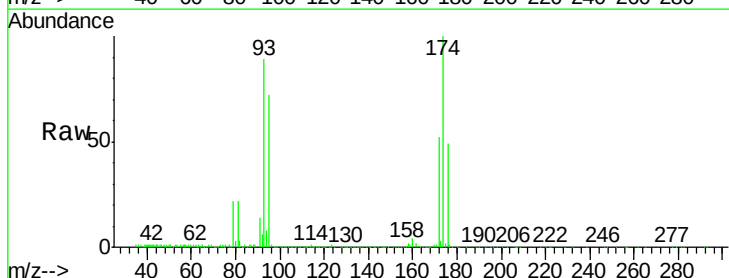
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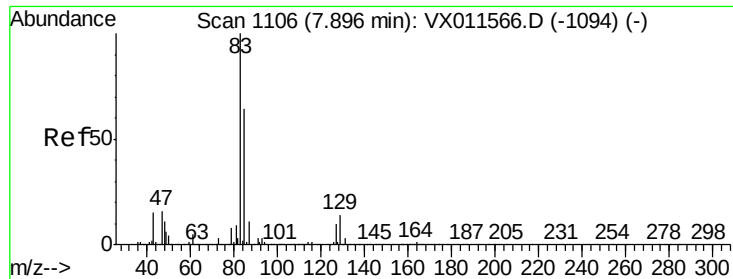
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#46
 Dibromomethane
 Concen: 19.635 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	67.2	100.8
174	119.6	105.5	158.3





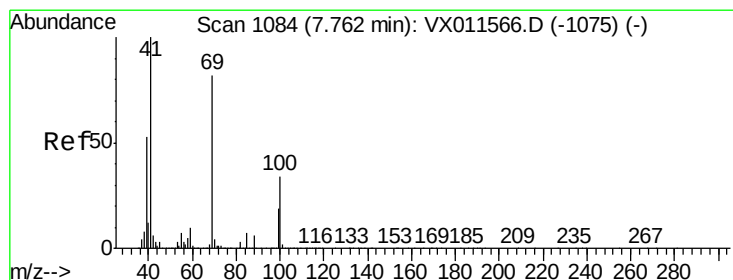
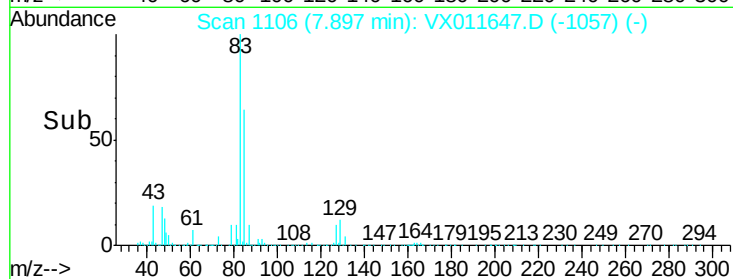
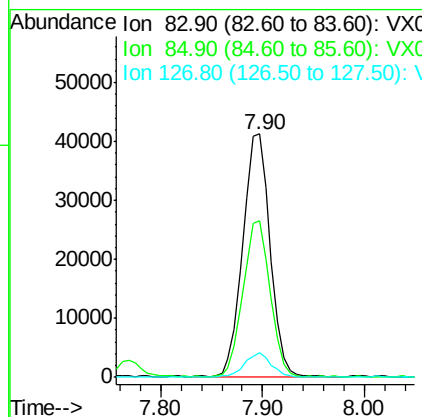
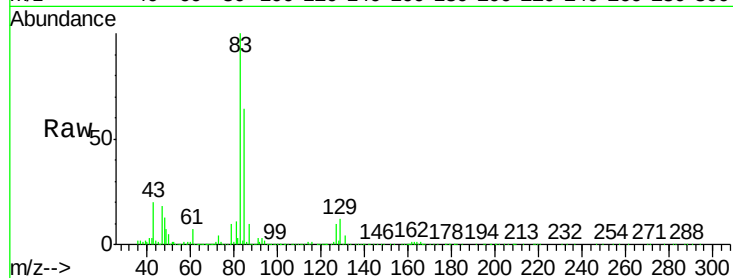
#47
 Bromodichloromethane
 Concen: 19.590 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8
127	10.2	8.1	12.1

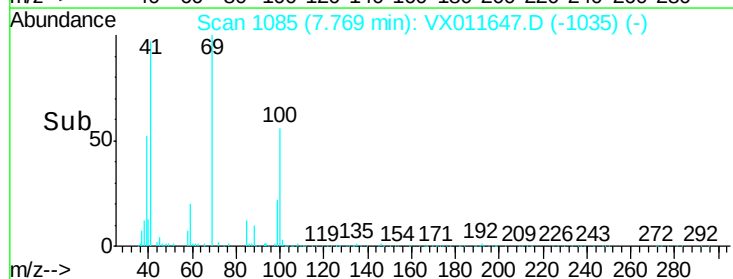
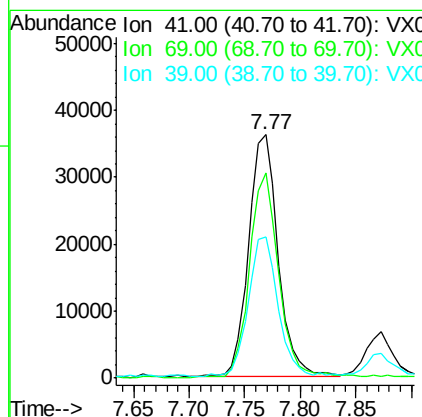
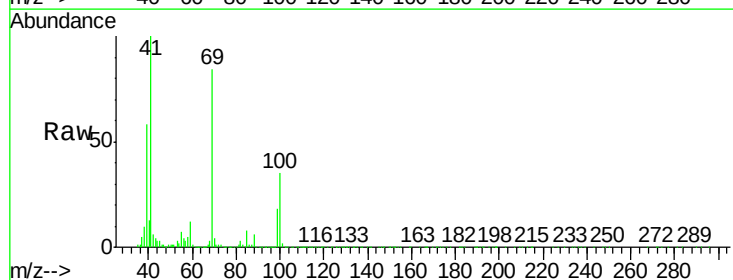
Manual Integrations
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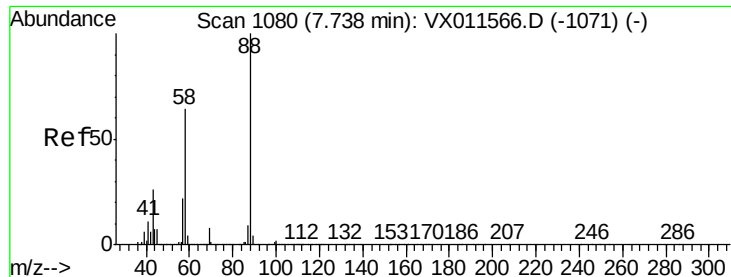
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#48
 Methyl methacrylate
 Concen: 20.049 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.01 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.1	67.9	101.9
39	59.2	41.6	62.4





#49

1,4-Dioxane

Concen: 394.506 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

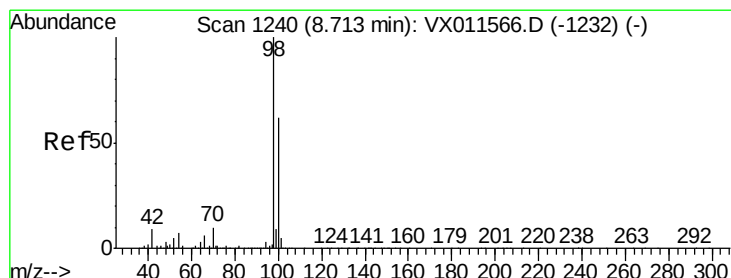
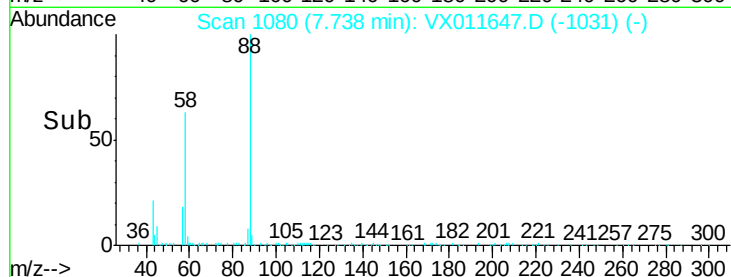
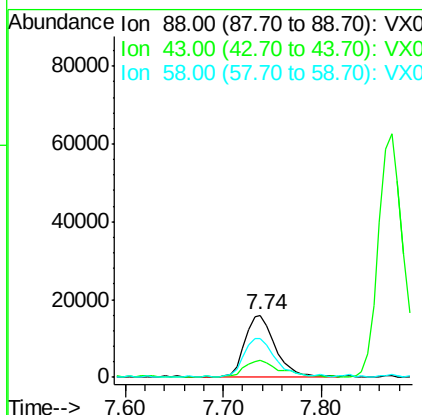
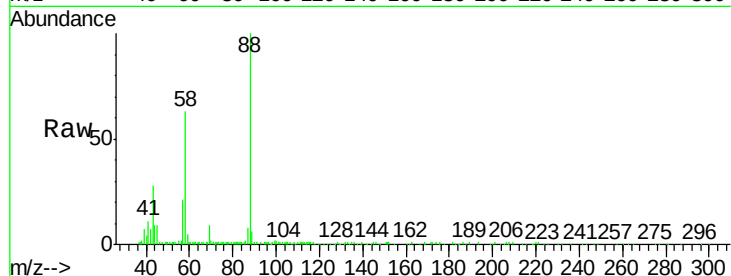
ClientSampleId :

VX0819WBS02

Tot Ion:	88	Resp:	35034
Ion Ratio	Lower	Upper	
88	100		
43	33.2	23.4	35.0
58	62.6	54.3	81.5

Manual Integrations
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#50

Toluene-d8

Concen: 47.544 ug/l

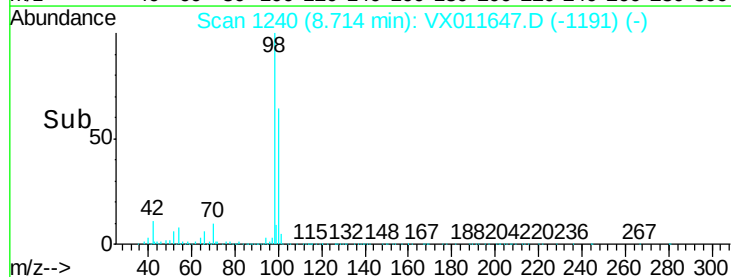
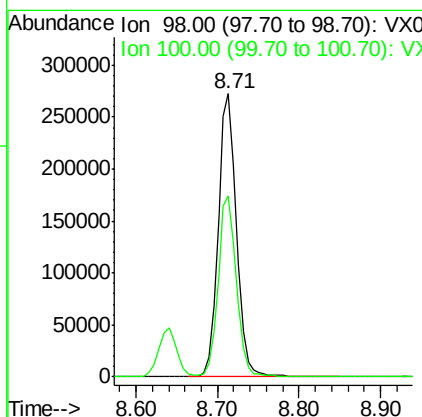
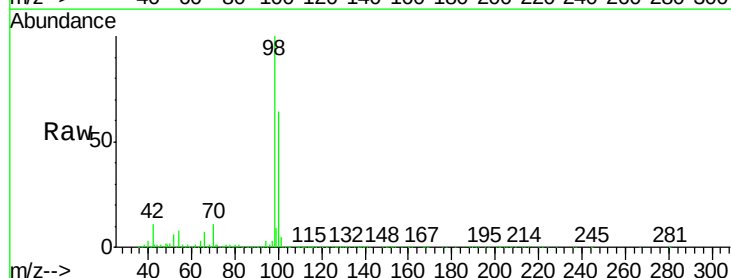
RT: 8.71 min Scan# 1240

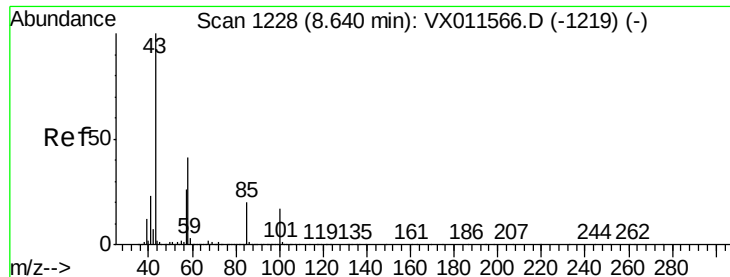
Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Tgt Ion:	98	Resp:	425663
Ion Ratio	Lower	Upper	
98	100		
100	64.2	52.4	78.6





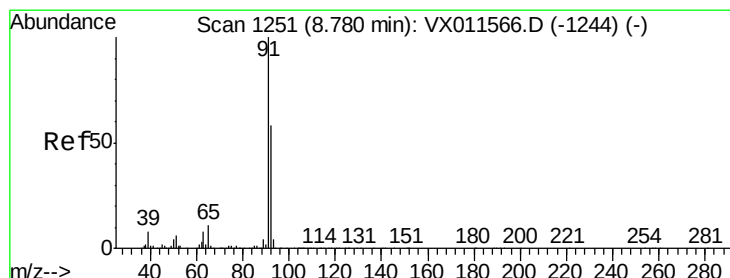
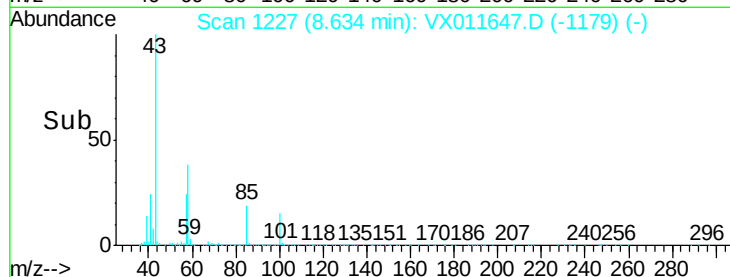
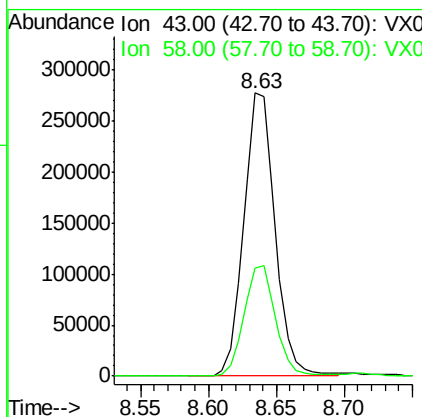
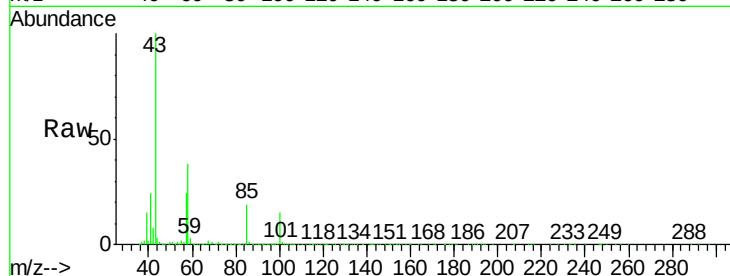
#51
4-Methyl-2-Pentanone
Concen: 100.903 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	43	Resp	445287
Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.8	47.6

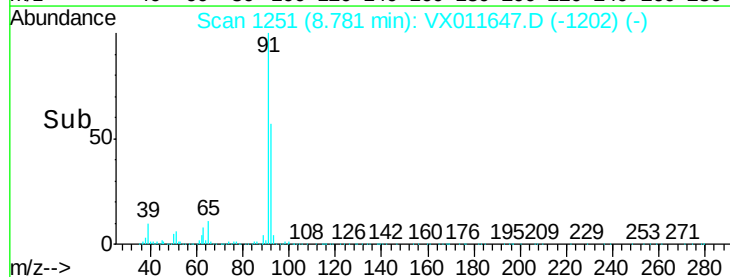
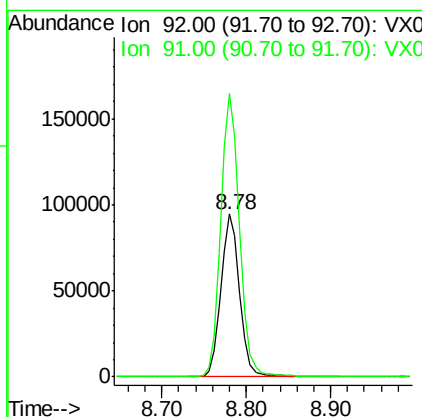
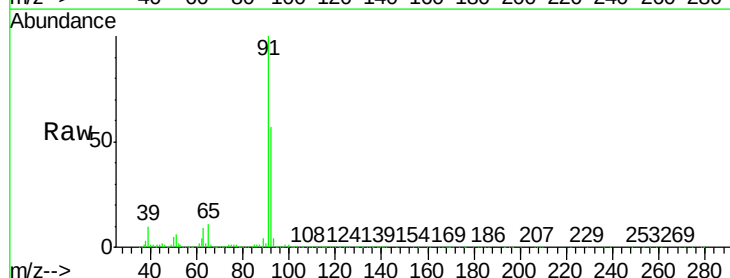
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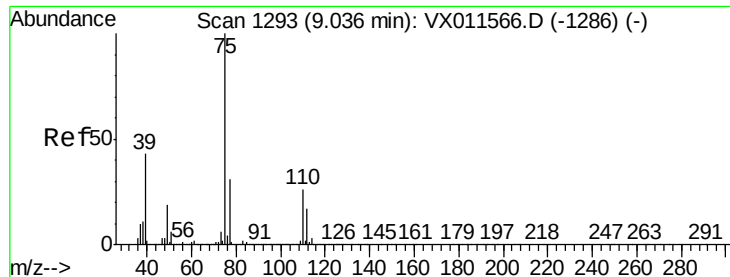
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8/20/2019 3:40:38 PM



#52
Toluene
Concen: 19.466 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	92	Resp	144756
Ion	Ratio	Lower	Upper
92	100		
91	176.0	138.0	207.0





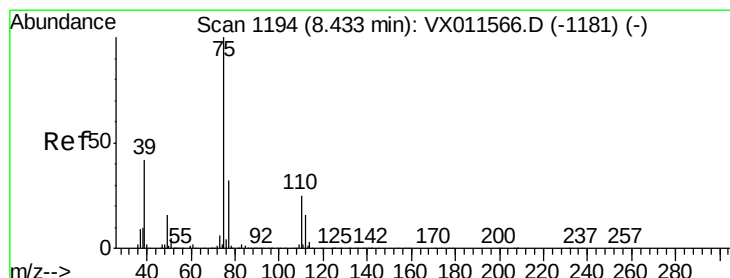
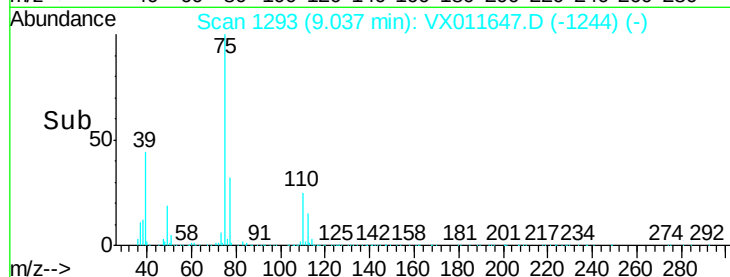
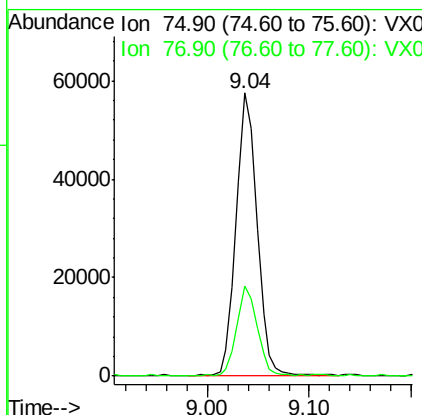
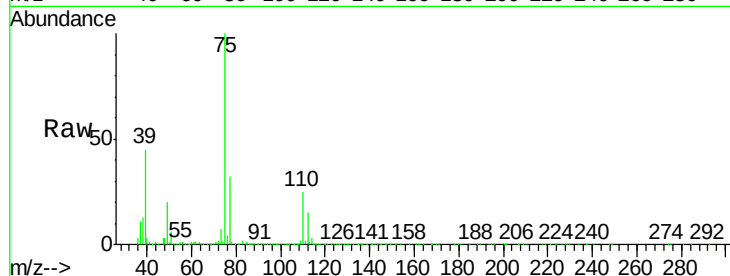
#53
t-1,3-Dichloropropene
Concen: 20.201 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.1	37.7

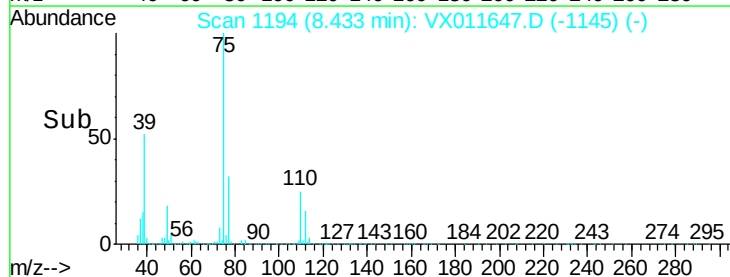
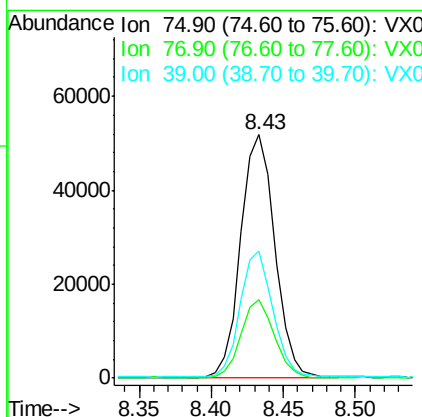
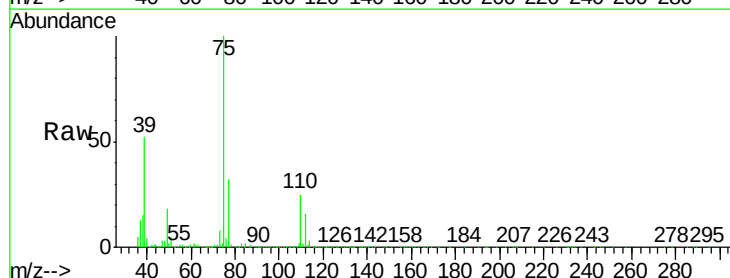
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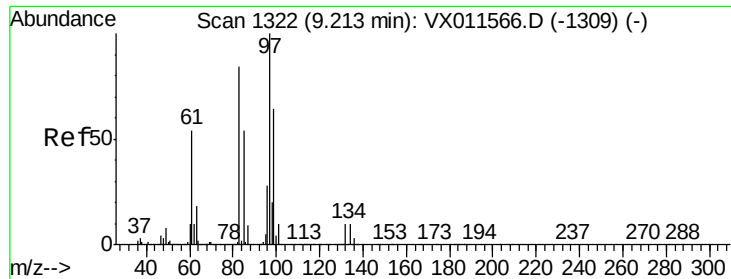
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8/20/2019 3:40:38 PM



#54
cis-1,3-Dichloropropene
Concen: 19.290 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3
39	51.9	33.6	50.4#





#55

1,1,2-Trichloroethane

Concen: 20.302 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

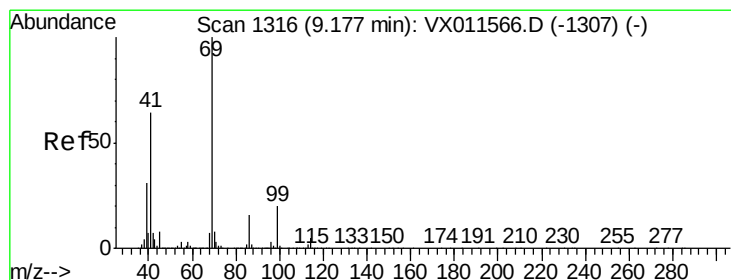
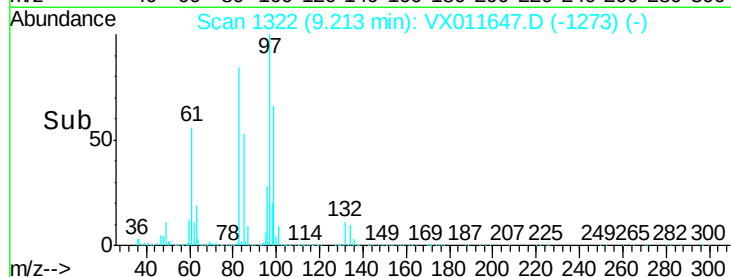
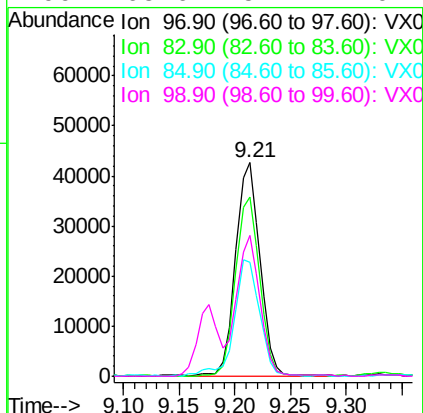
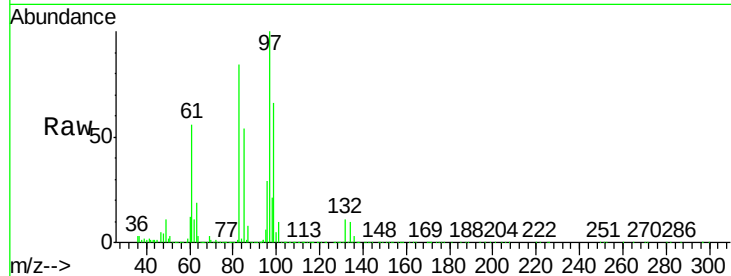
ClientSampleId :

VX0819WBS02

Tot Ion:	97	Resp:	64200
Ion	Ratio	Lower	Upper
97	100		
83	83.9	67.4	101.0
85	53.5	43.4	65.2
99	65.6	51.1	76.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.223 ug/l

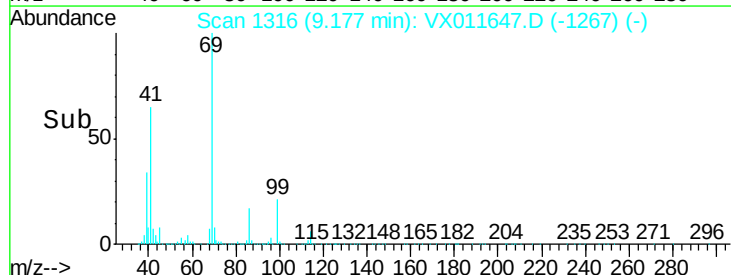
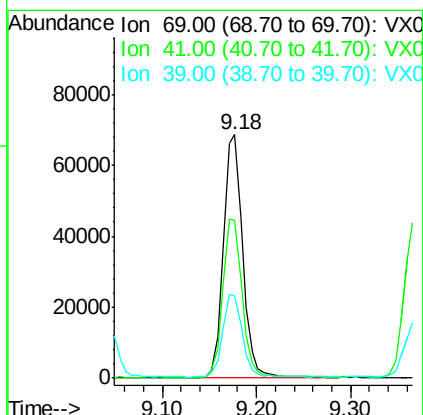
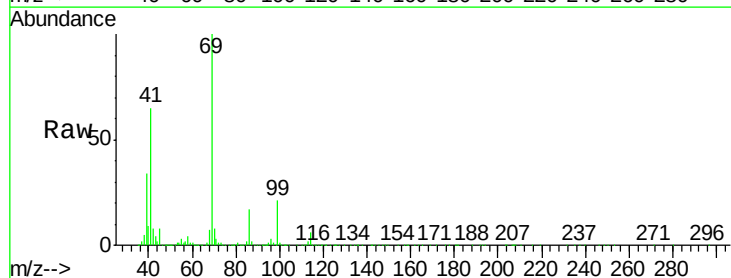
RT: 9.18 min Scan# 1316

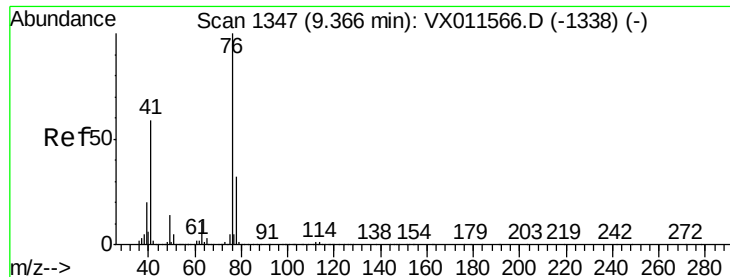
Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Tgt Ion:	69	Resp:	97546
Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.1	78.1
39	34.9	25.4	38.0





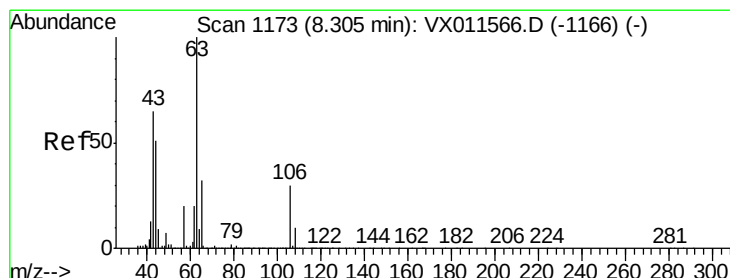
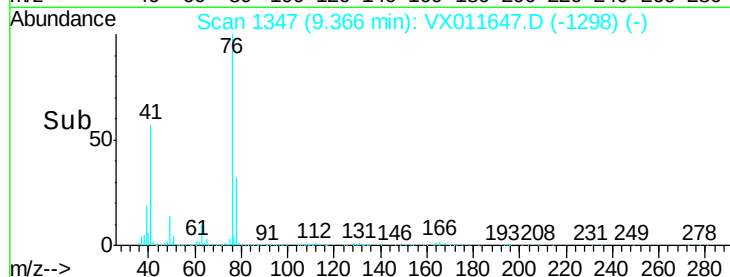
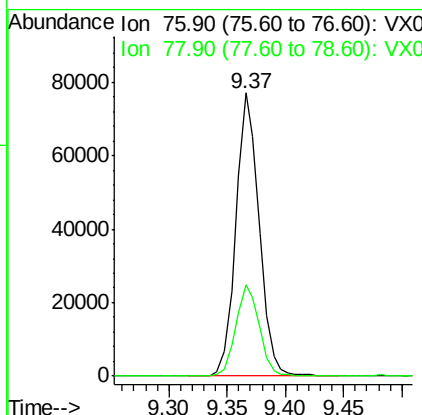
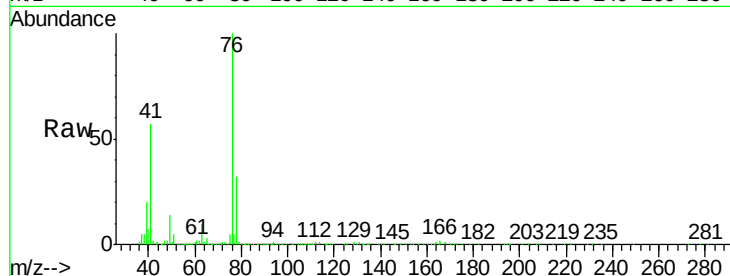
#57
 1,3-Dichloropropane
 Concen: 21.379 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

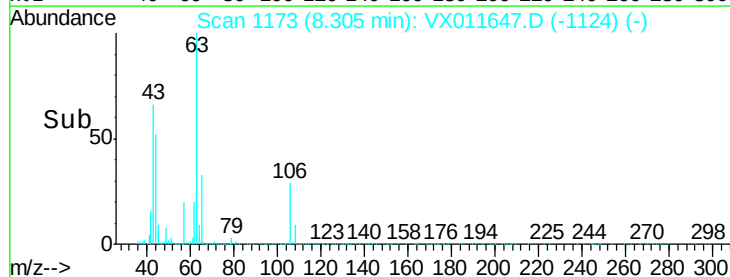
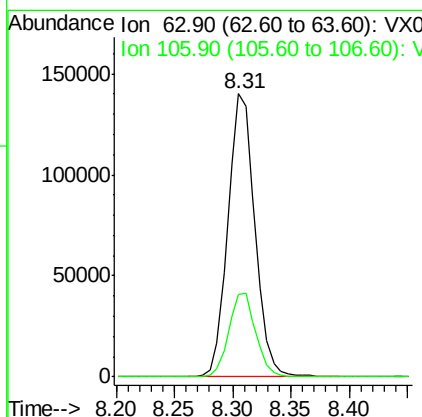
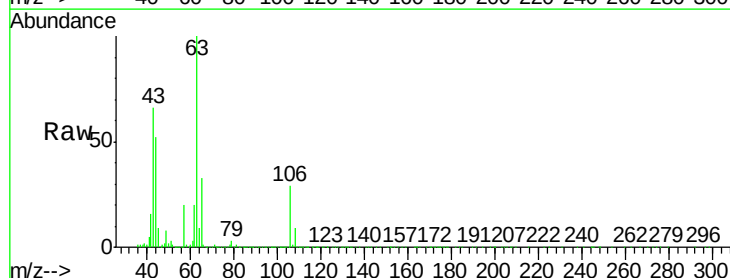
Manual Integrations
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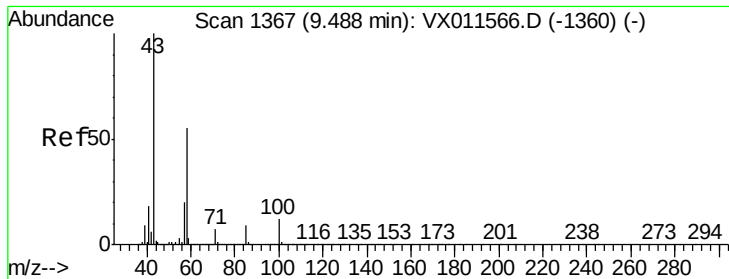
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#58
 2-Chloroethyl Vinyl ether
 Concen: 98.337 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	24.7	37.1





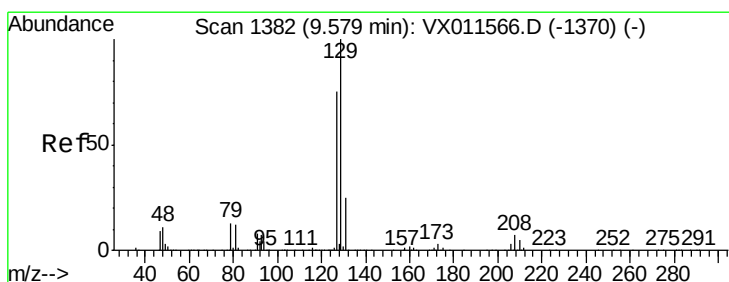
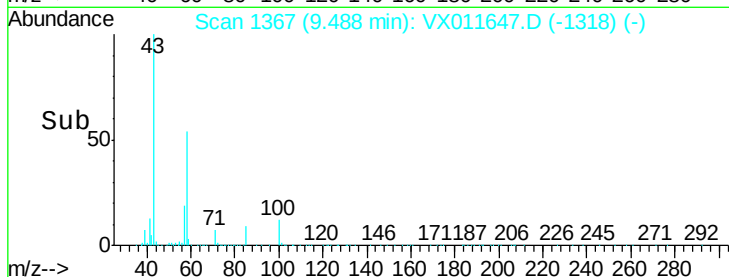
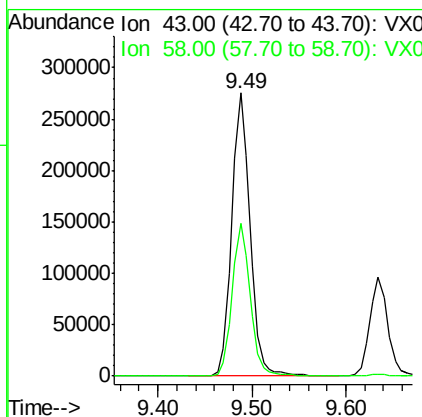
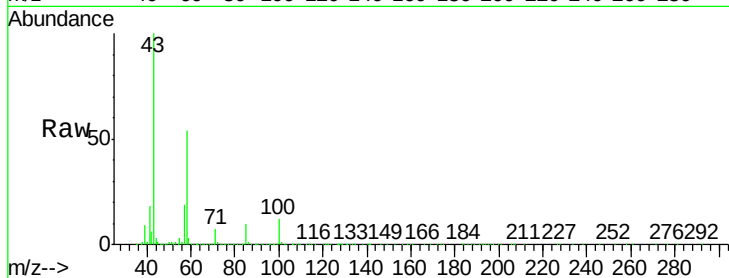
#59
2-Hexanone
Concen: 109.258 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion: 43 Resp: 371820
Ion Ratio Lower Upper
43 100
58 53.4 27.5 82.4

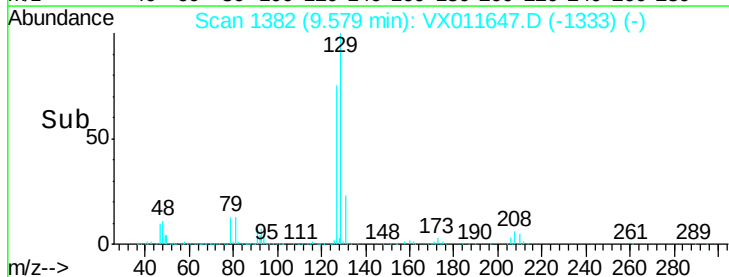
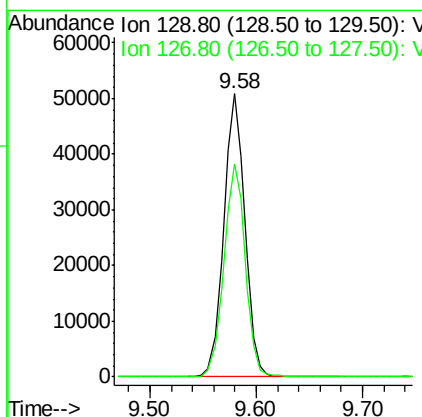
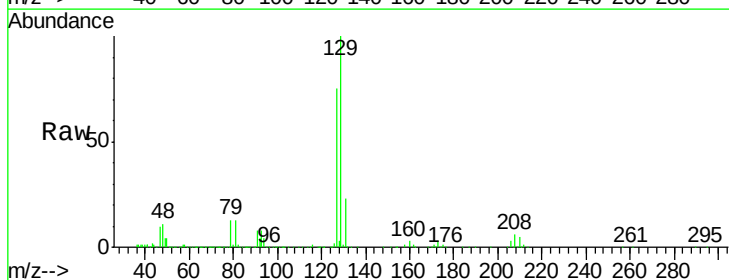
Manual Integrations
APPROVED

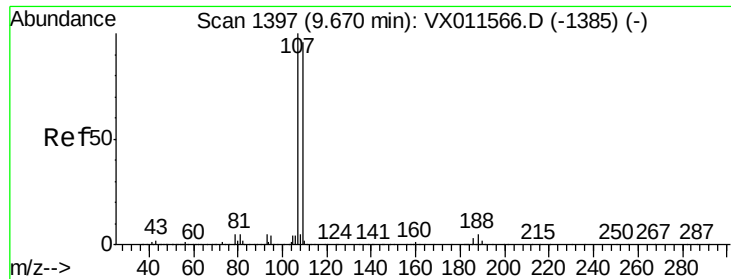
MMDadoda
8/20/2019 3:40:38 PM



#60
Dibromochloromethane
Concen: 21.464 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion: 129 Resp: 70719
Ion Ratio Lower Upper
129 100
127 75.7 38.0 114.1





#61

1,2-Dibromoethane

Concen: 21.382 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBS02

Tot Ion: 107 Resp: 72163

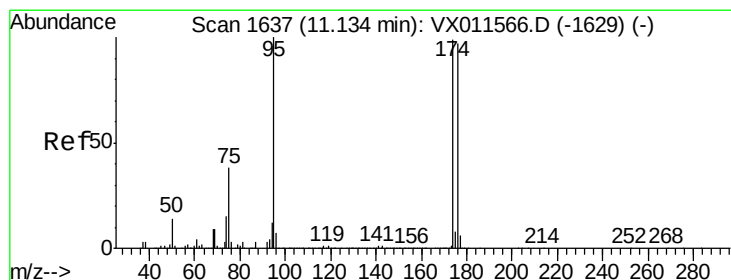
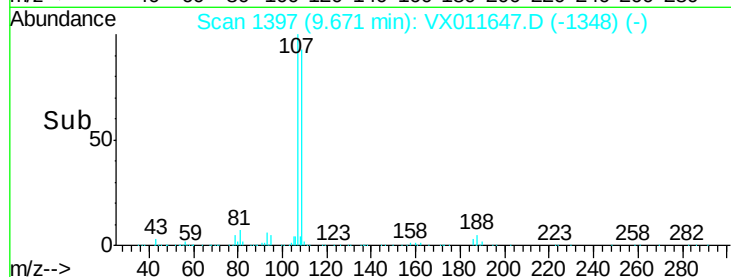
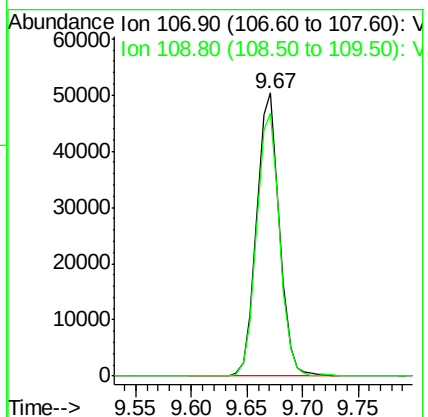
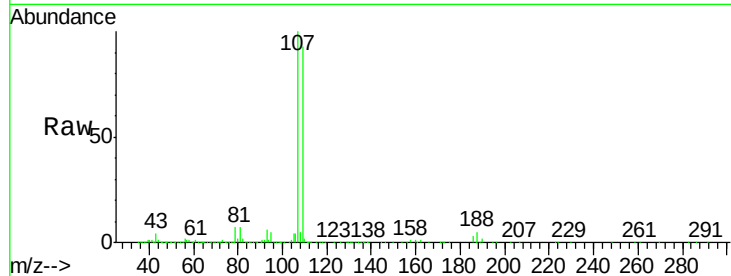
Ion Ratio Lower Upper

107 100

109 93.3 76.2 114.2

Manual Integrations
APPROVED

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8/20/2019 3:40:38 PM



#62

4-Bromofluorobenzene

Concen: 50.485 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

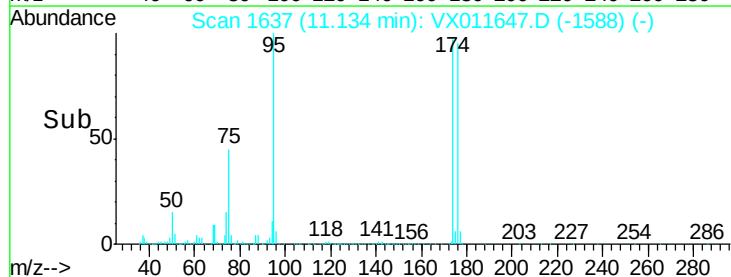
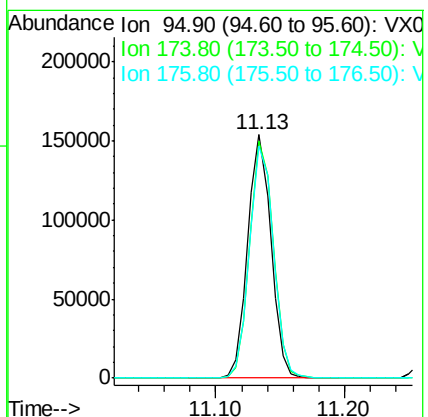
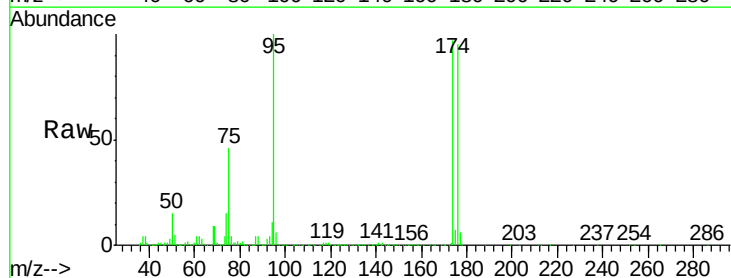
Tgt Ion: 95 Resp: 190779

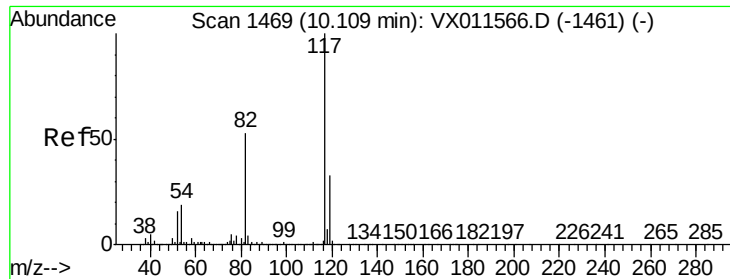
Ion Ratio Lower Upper

95 100

174 98.9 0.0 200.6

176 97.8 0.0 196.6





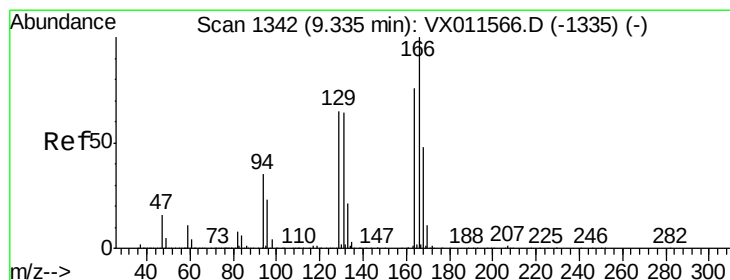
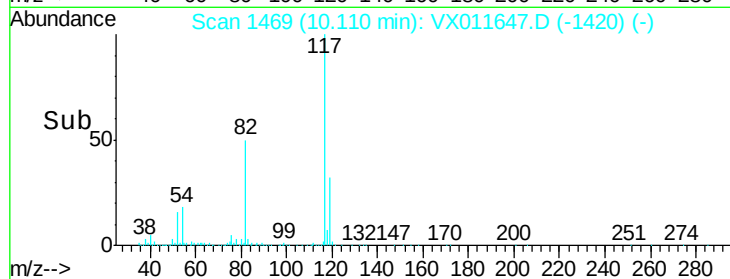
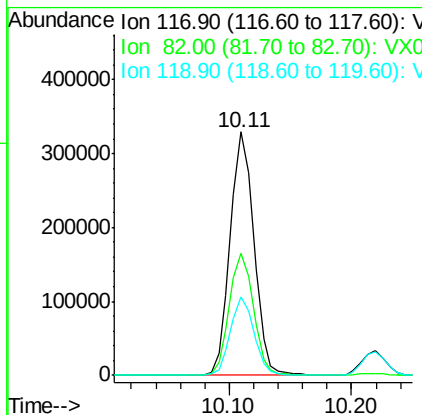
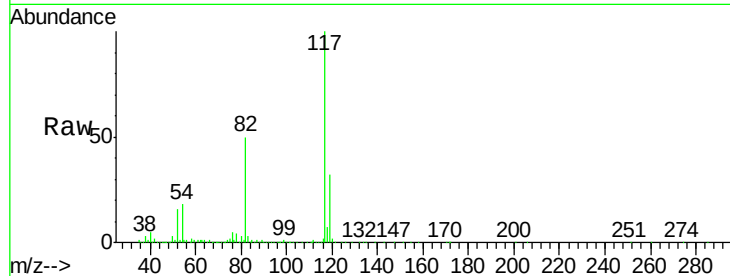
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	443391		
82	50.1	42.0	63.0	
119	32.4	26.5	39.7	

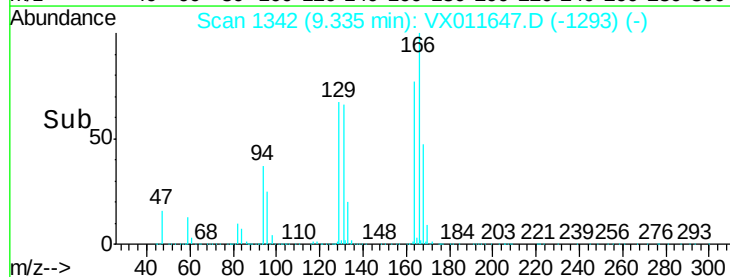
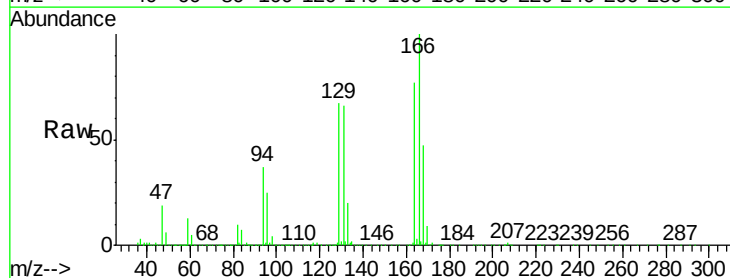
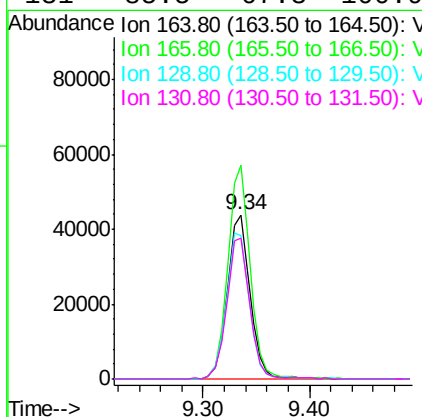
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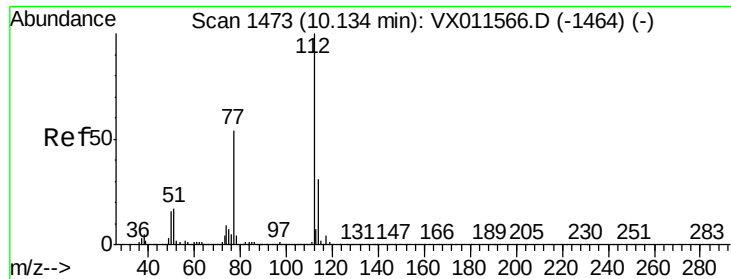
MMDadoda
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#64
Tetrachloroethene
Concen: 18.158 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	66057		
166	129.7	104.7	157.1	
129	87.1	68.2	102.4	
131	85.5	67.3	100.9	





#65

Chlorobenzene

Concen: 19.013 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

ClientSampled :

VX0819WBS02

Tot Ion:112 Resp: 179812

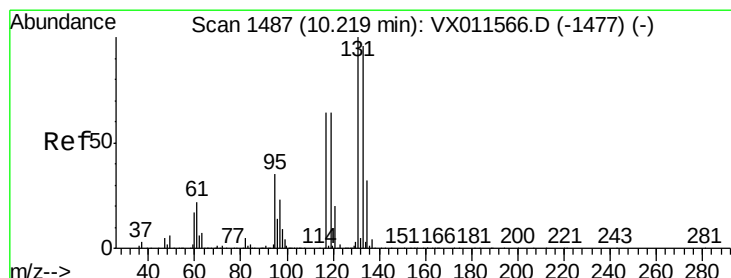
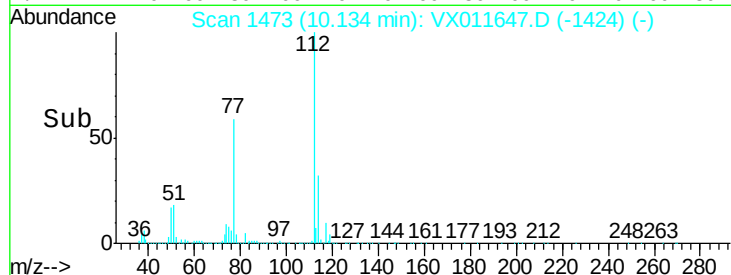
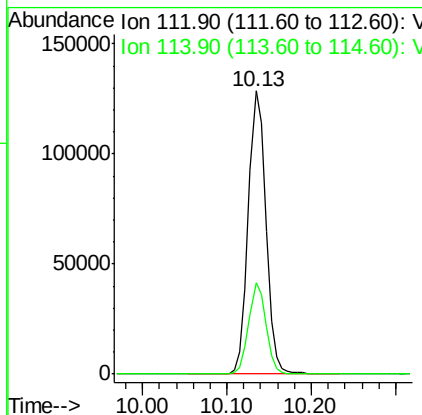
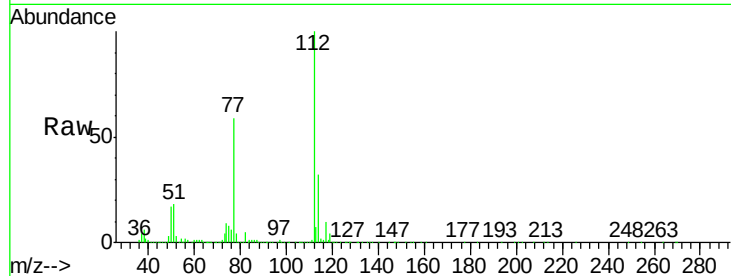
Ion Ratio Lower Upper

112 100

114 32.1 25.0 37.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.296 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

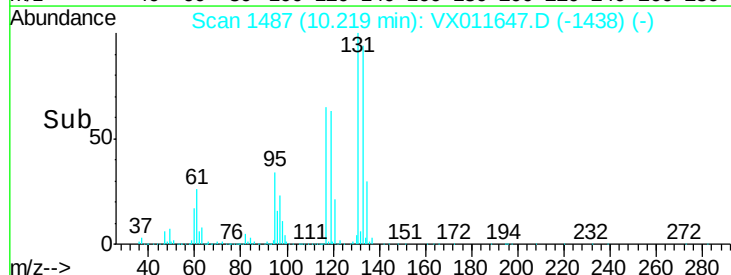
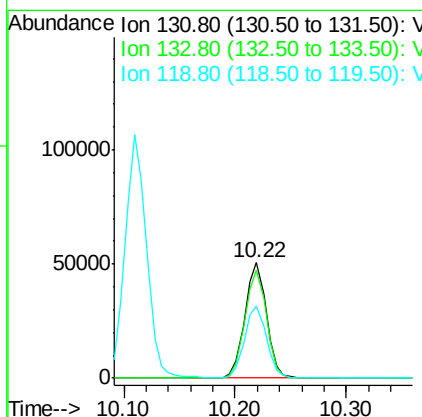
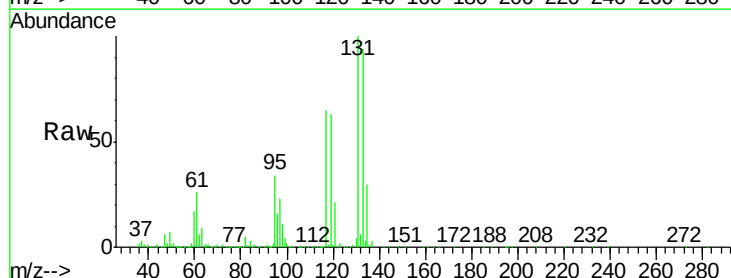
Tgt Ion:131 Resp: 68205

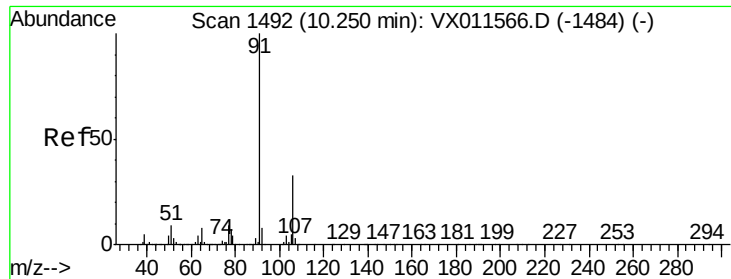
Ion Ratio Lower Upper

131 100

133 93.9 48.1 144.4

119 63.2 31.3 93.8





#67

Ethyl Benzene

Concen: 19.469 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBS02

Tot Ion: 91 Resp: 307279

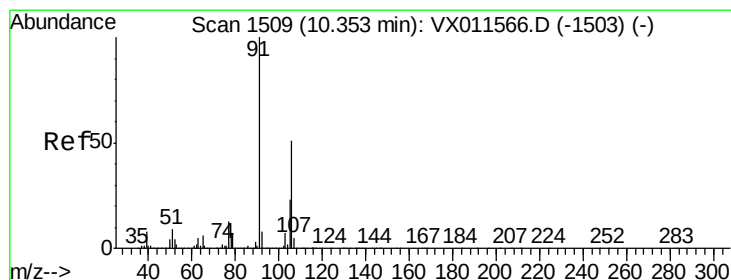
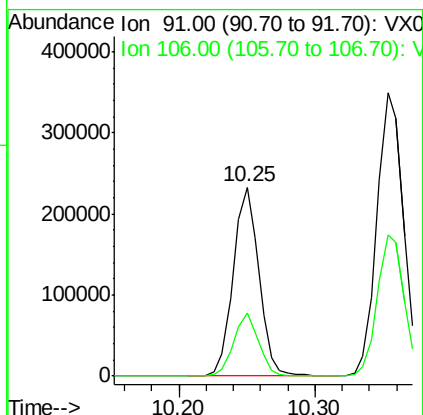
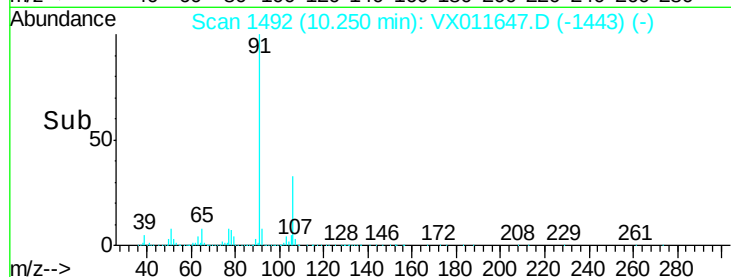
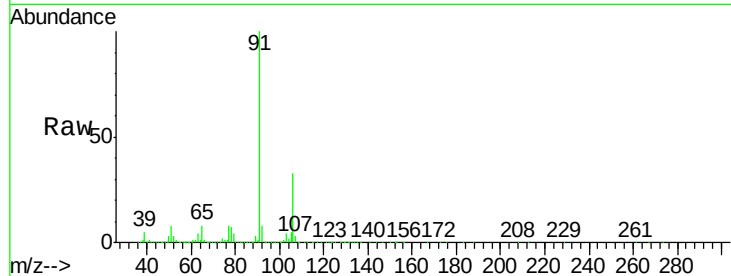
Ion Ratio Lower Upper

91 100

106 33.4 26.0 39.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 39.508 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011647.D

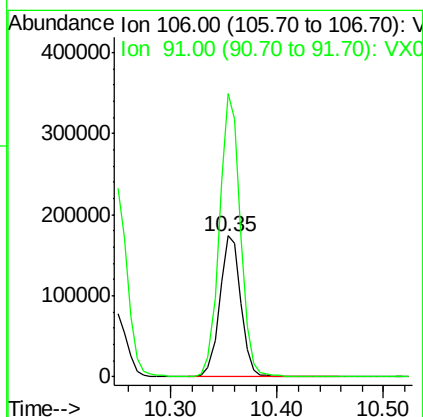
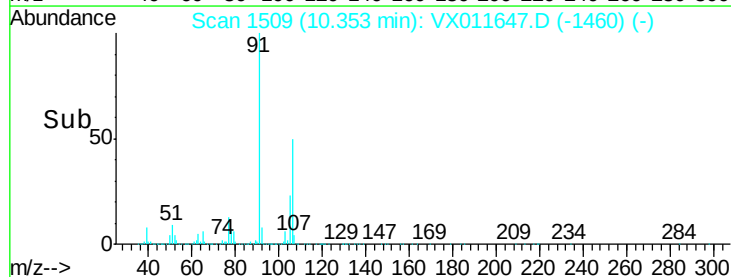
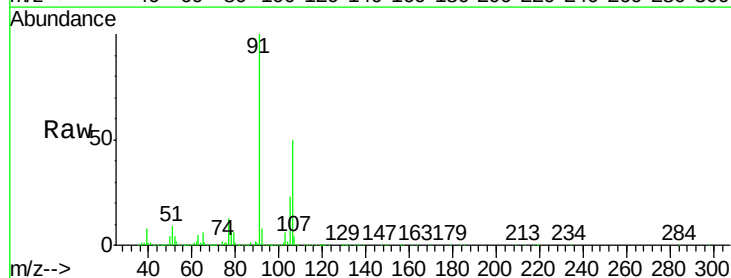
Acq: 19 Aug 2019 21:58

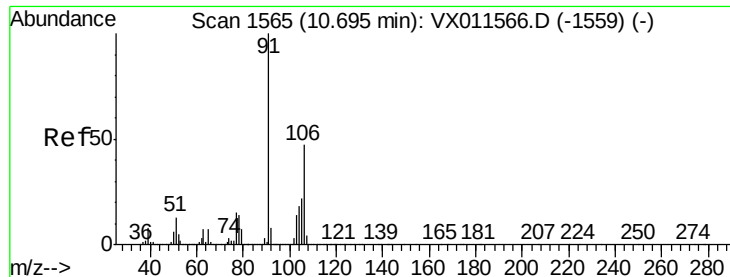
Tgt Ion: 106 Resp: 239352

Ion Ratio Lower Upper

106 100

91 198.5 156.0 234.0





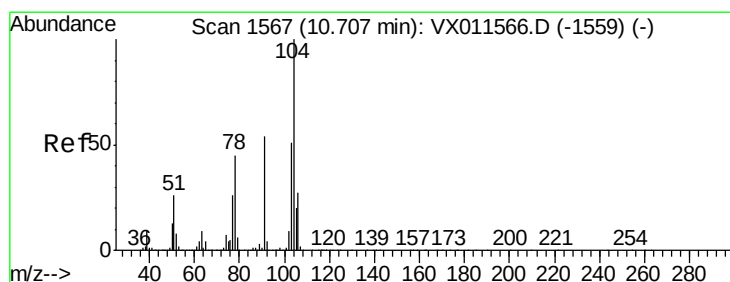
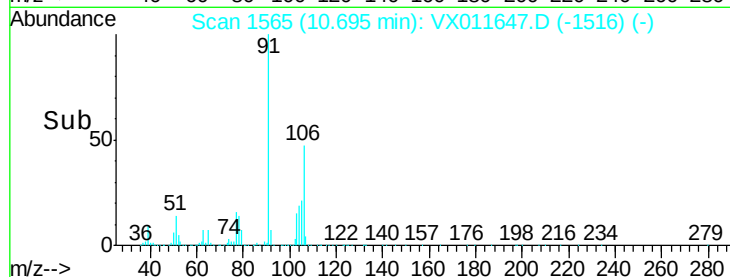
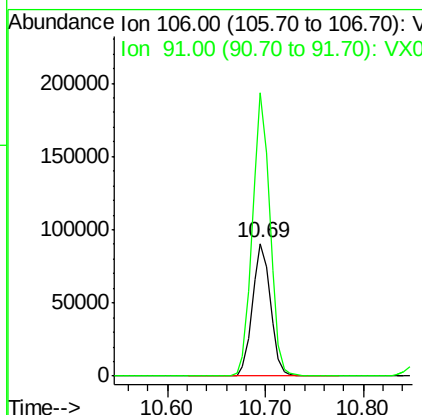
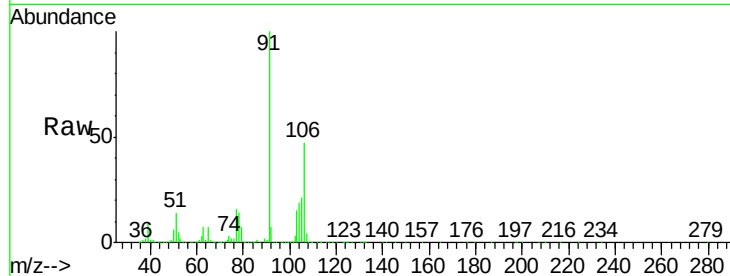
#69
o-Xylene
Concen: 19.639 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.1	105.5	316.4

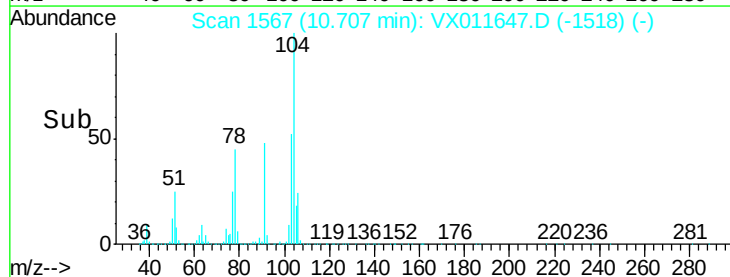
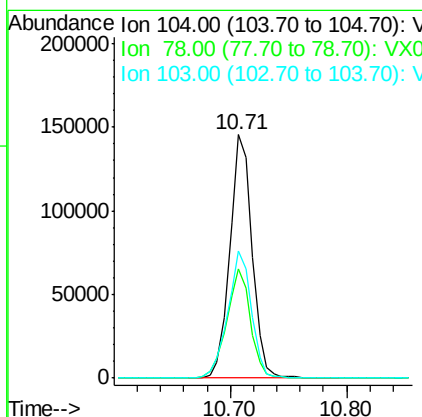
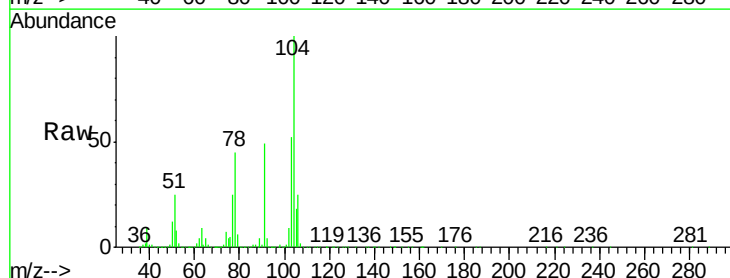
Manual Integrations
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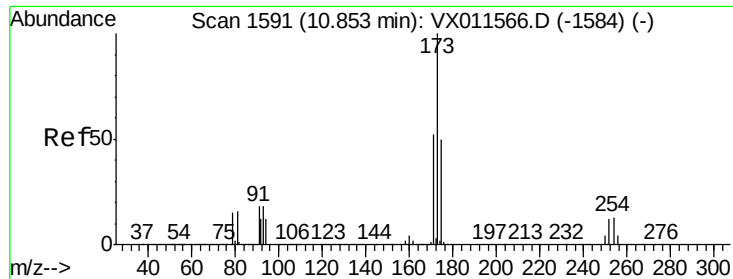
MMDadoda
8/20/2019 3:40:38 PM



#70
Styrene
Concen: 19.361 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.2	57.4
103	55.7	43.6	65.4





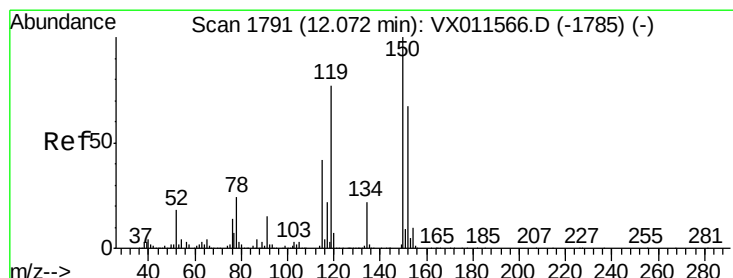
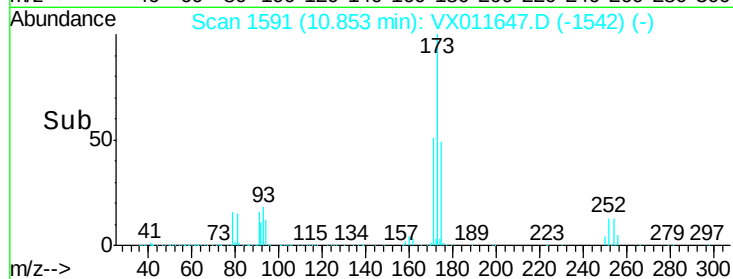
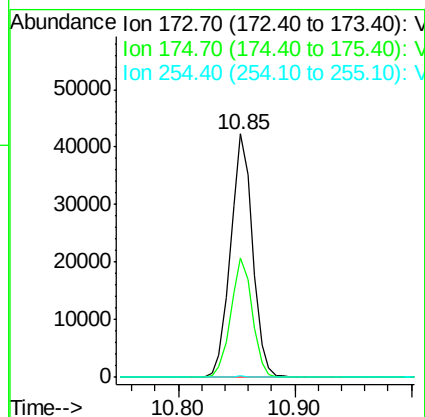
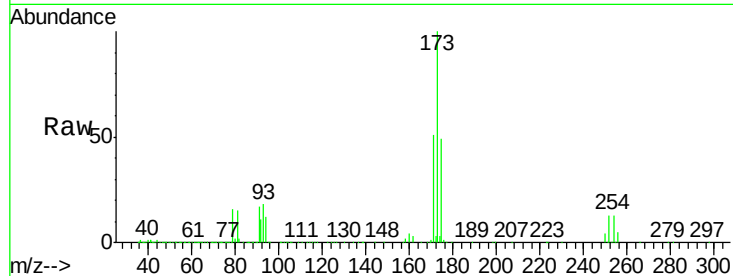
#71
Bromoform
Concen: 18.420 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.9	74.7
254	0.3	0.1	0.1#

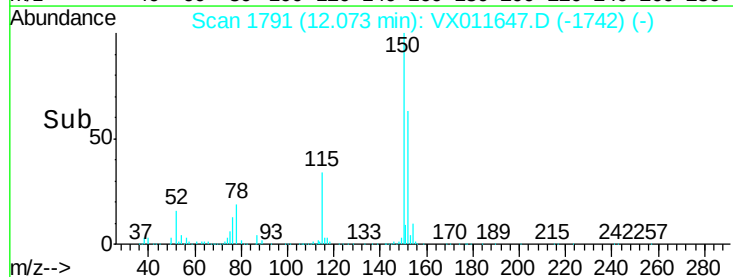
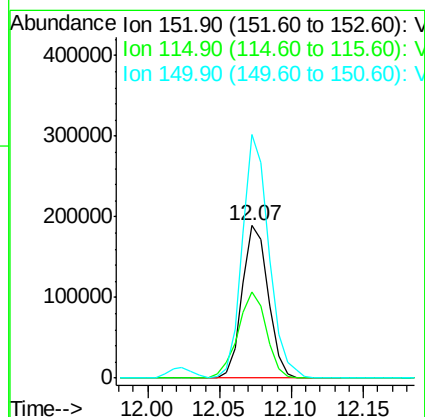
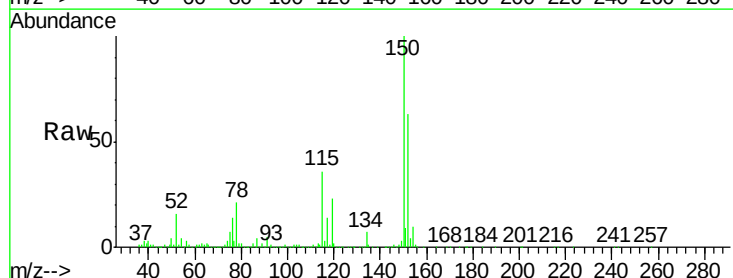
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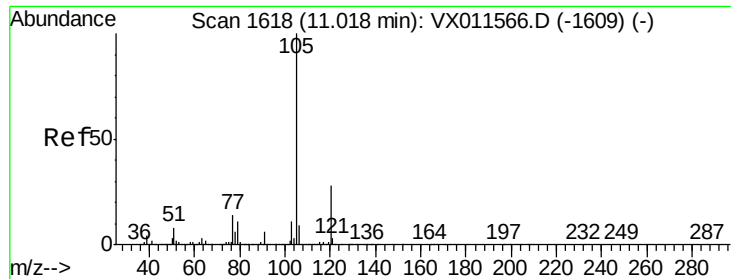
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.6	37.3	111.9
150	163.0	0.0	346.2





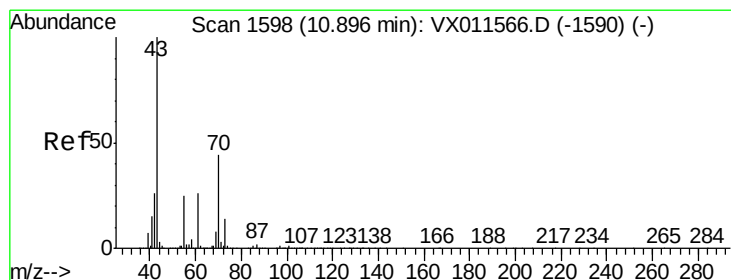
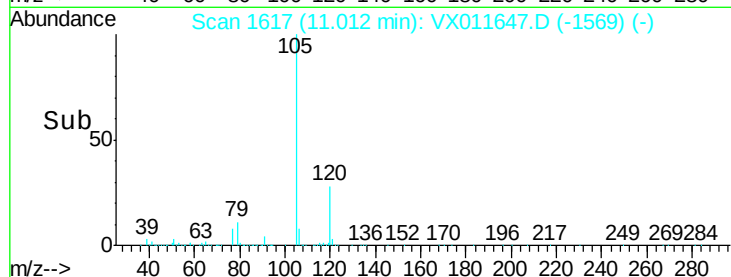
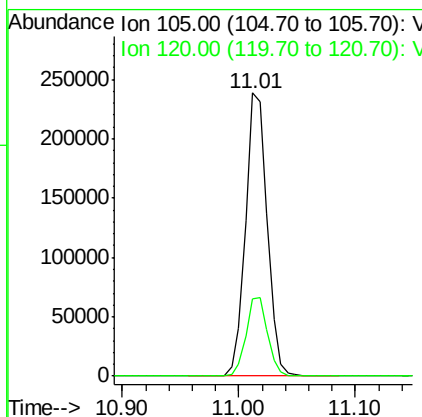
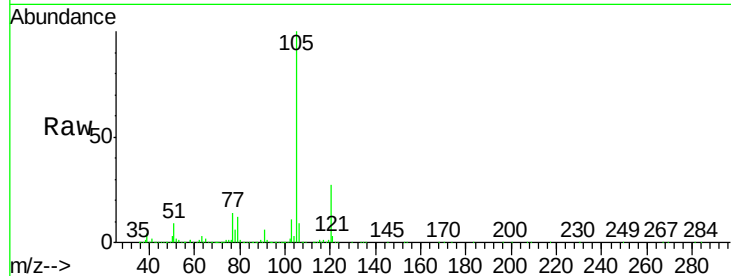
#73
Isopropylbenzene
Concen: 20.186 ug/l
RT: 11.01 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	311312		
120	27.7	14.0	41.9	

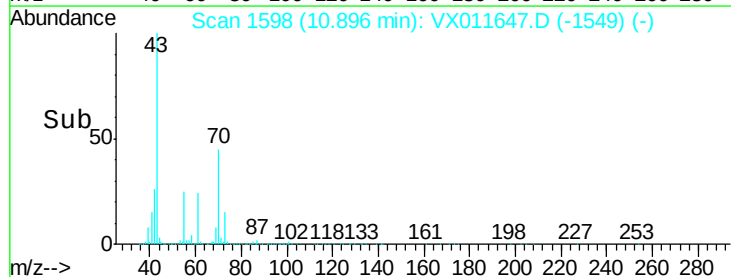
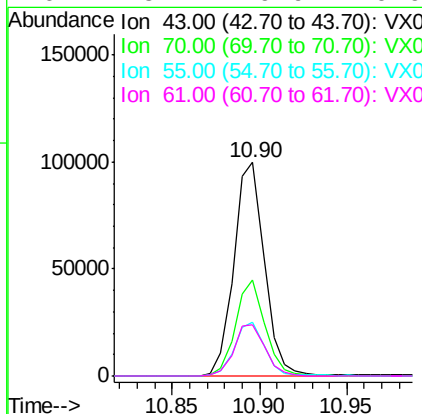
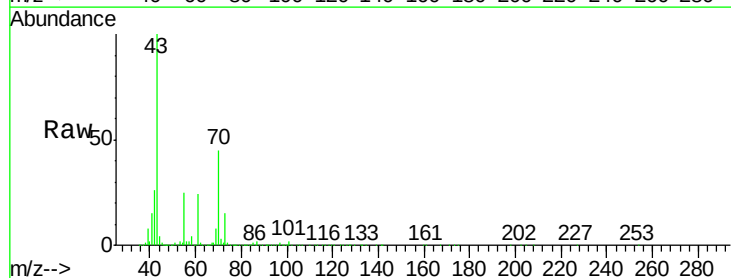
Manual Integrations
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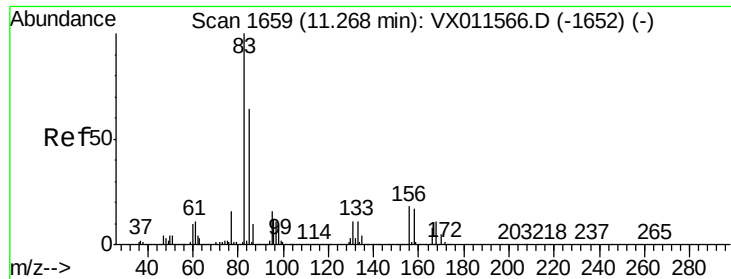
MMDadoda
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#74
N-ethyl acetate
Concen: 18.478 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	121104		
70	43.4	34.7	52.1	
55	24.8	19.6	29.4	
61	25.2	19.9	29.9	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.302 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

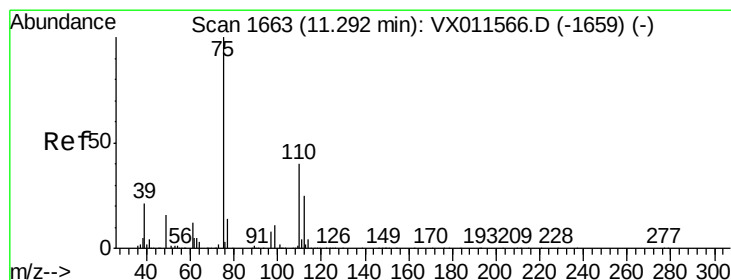
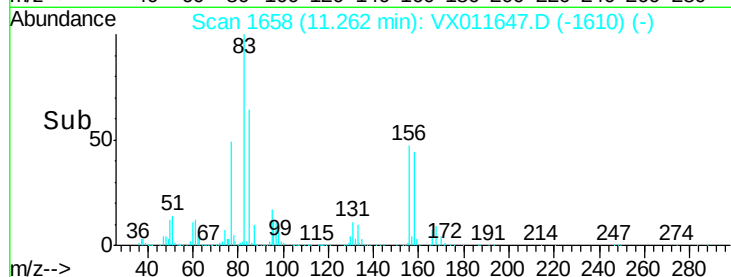
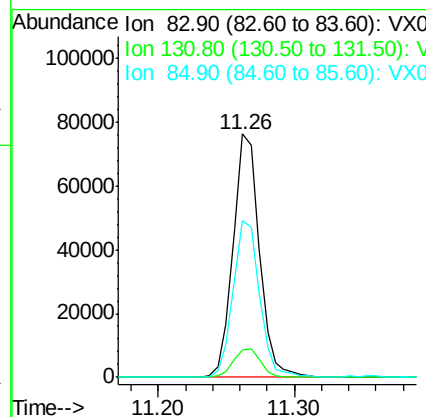
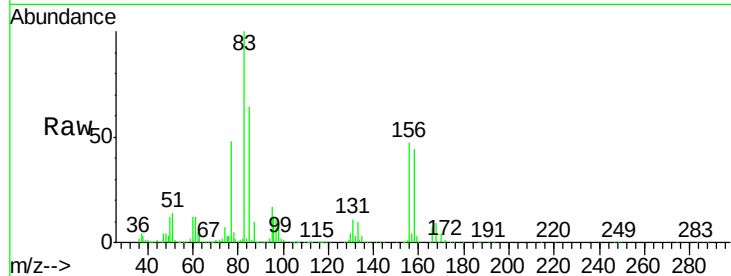
ClientSampleId :

VX0819WBS02

Tot Ion:	83	Resp:	102405
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.8	17.3
85	65.4	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.104 ug/l m

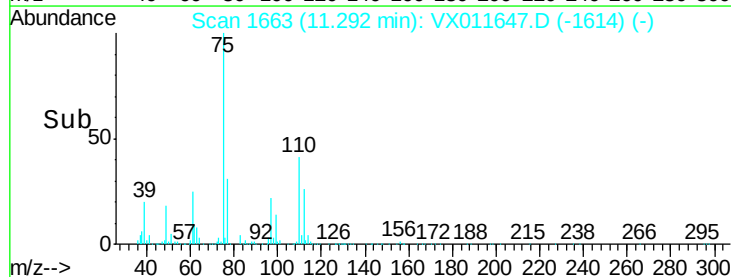
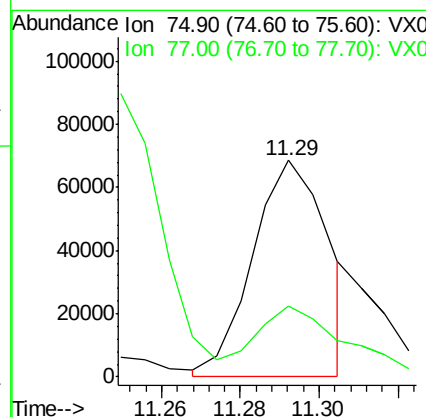
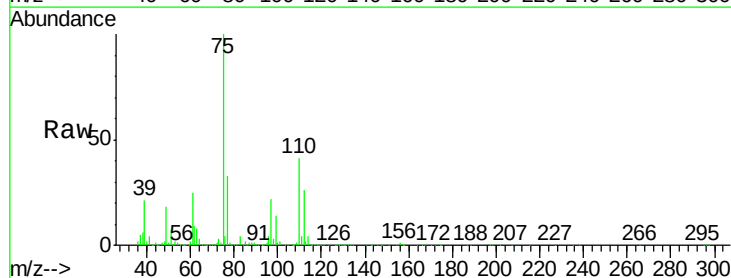
RT: 11.29 min Scan# 1663

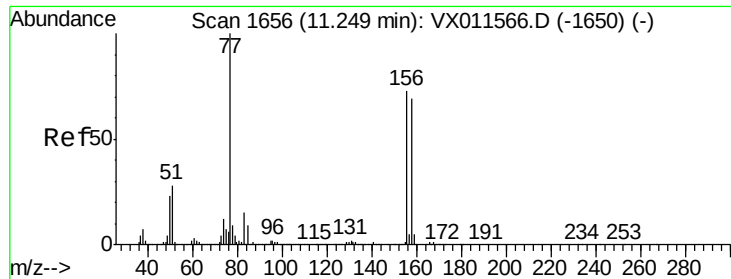
Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Tgt Ion:	75	Resp:	90609
Ion Ratio	Lower	Upper	
75	100		
77	39.3	20.9	62.8





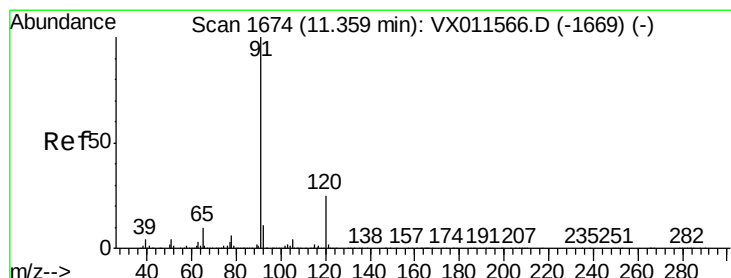
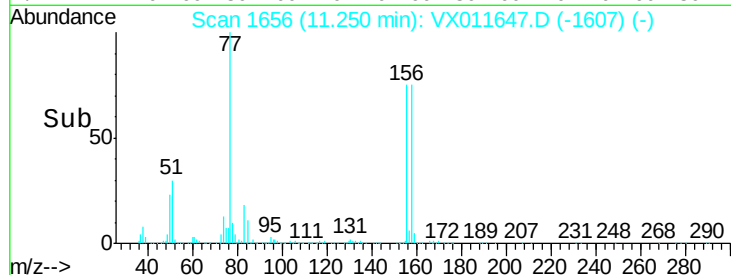
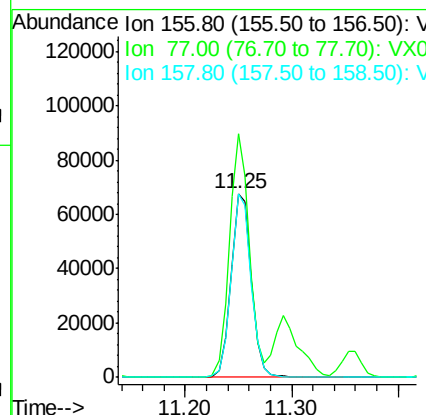
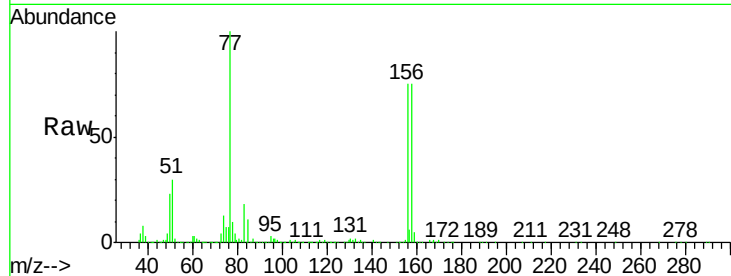
#77
Bromobenzene
Concen: 19.707 ug/l
RT: 11.25 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	129.0	64.6	193.9
158	97.9	48.4	145.3

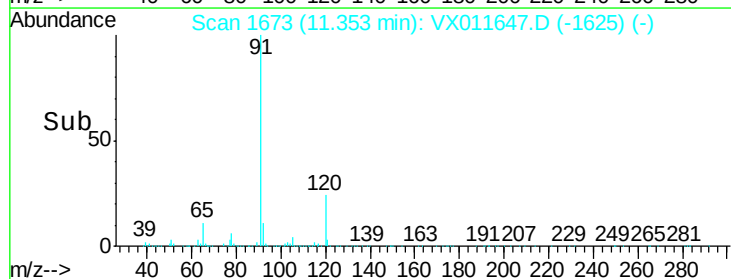
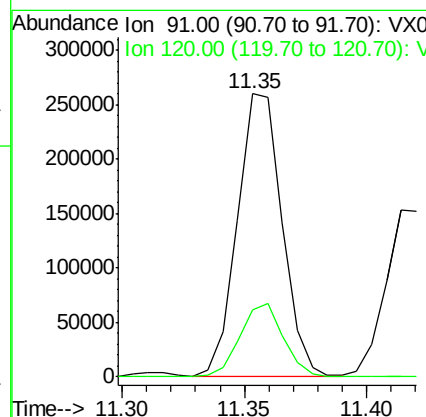
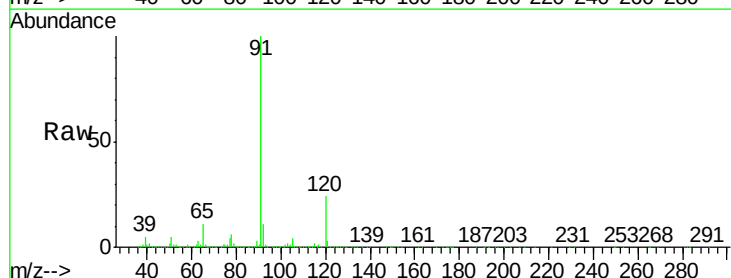
Manual Integrations
APPROVED

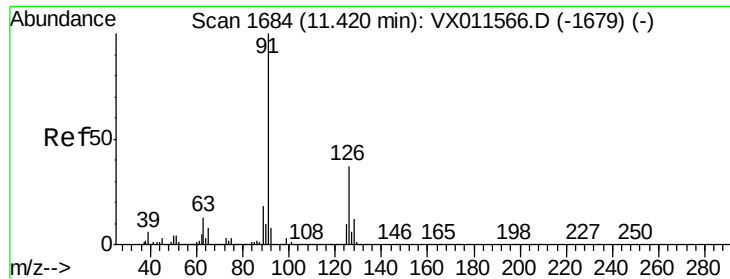
MMDadoda
8/20/2019 3:40:38 PM



#78
n-propylbenzene
Concen: 19.723 ug/l
RT: 11.35 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.3	12.6	37.6





#79

2-Chlorotoluene

Concen: 19.717 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBS02

Tot Ion: 91 Resp: 201344

Ion Ratio Lower Upper

91 100

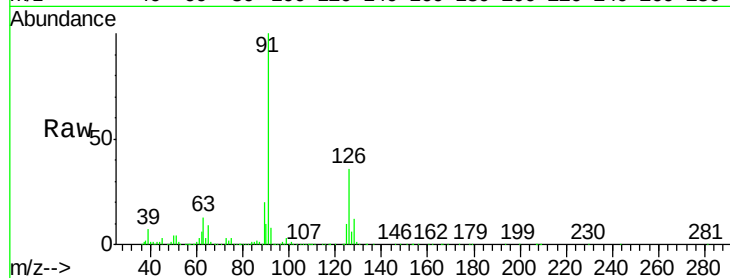
126 38.0 18.4 55.0

Manual Integrations

APPROVED

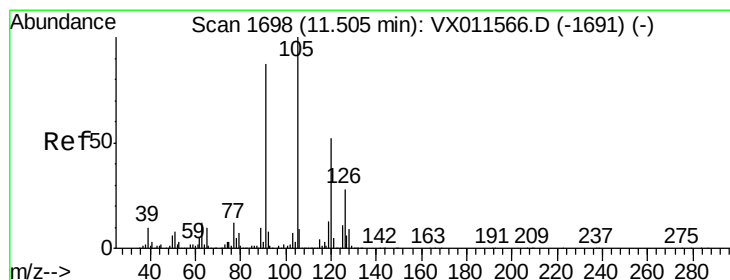
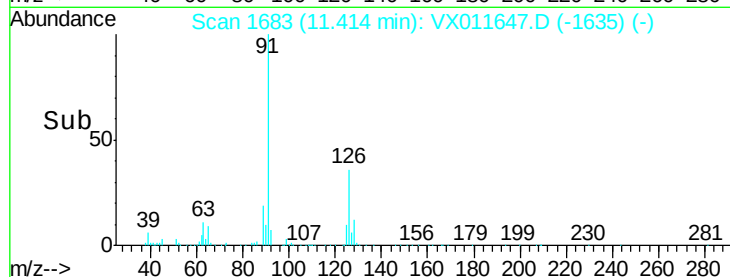
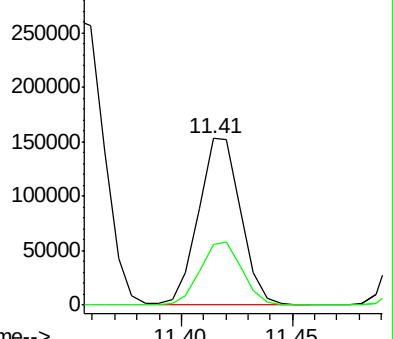
MMDadoda

8/20/2019 3:40:38 PM



Abundance Ion 91.00 (90.70 to 91.70): VX011566.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011566.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.885 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011647.D

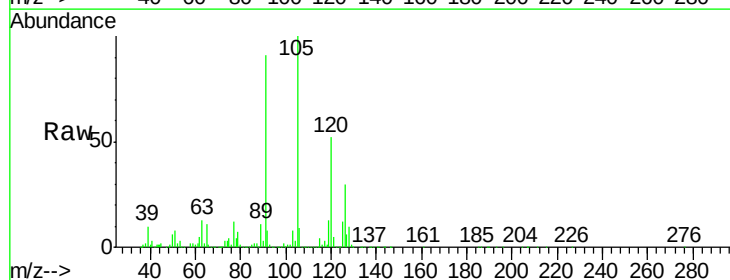
Acq: 19 Aug 2019 21:58

Tgt Ion: 105 Resp: 257617

Ion Ratio Lower Upper

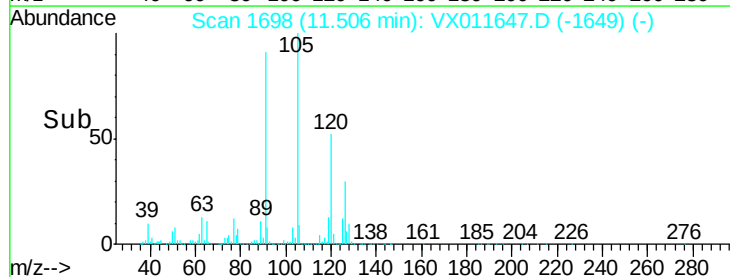
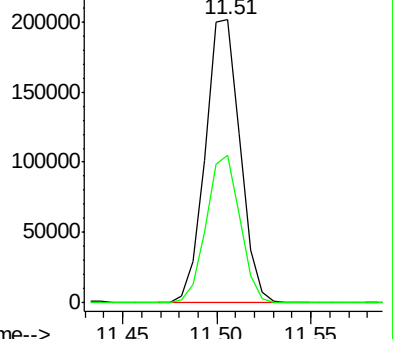
105 100

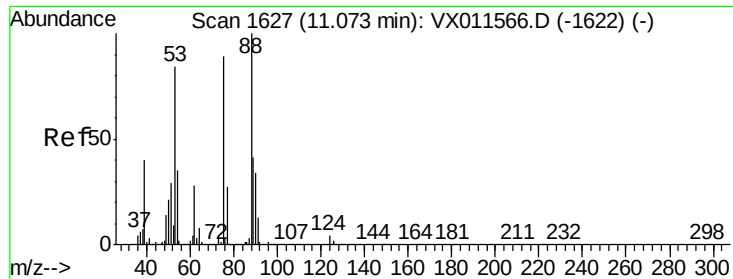
120 50.6 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX011566.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX011566.D (-1691) (-)





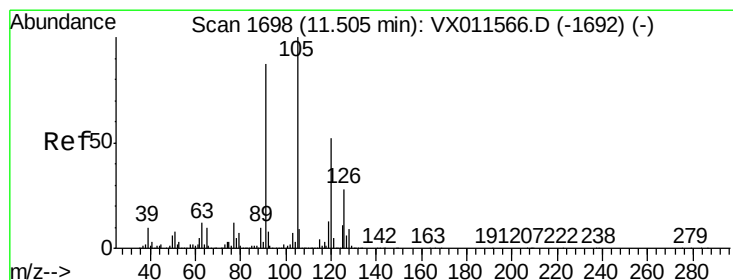
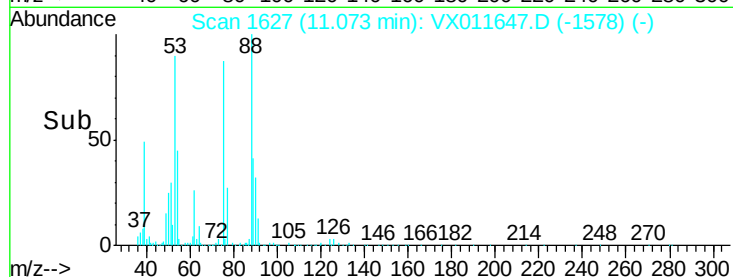
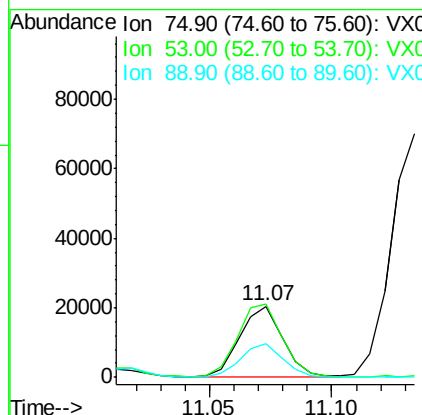
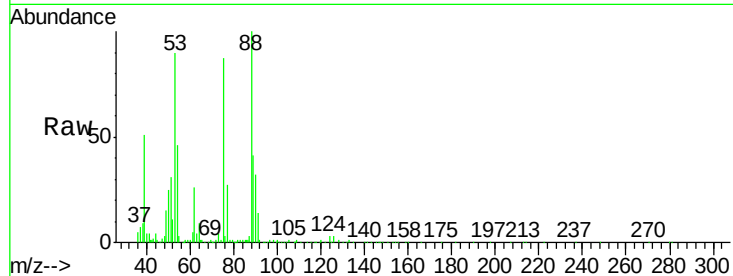
#81
trans-1,4-Dichloro-2-butene
Concen: 18.210 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.8	77.4	116.0
89	47.2	37.3	55.9

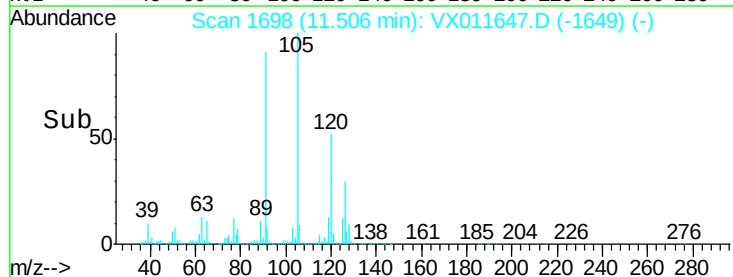
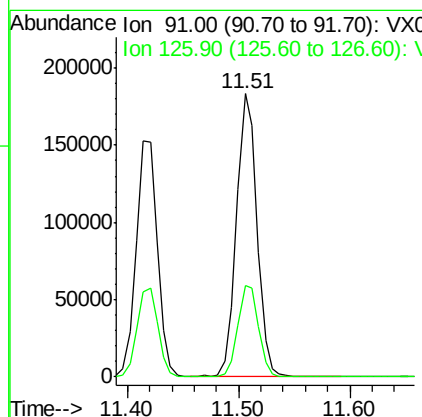
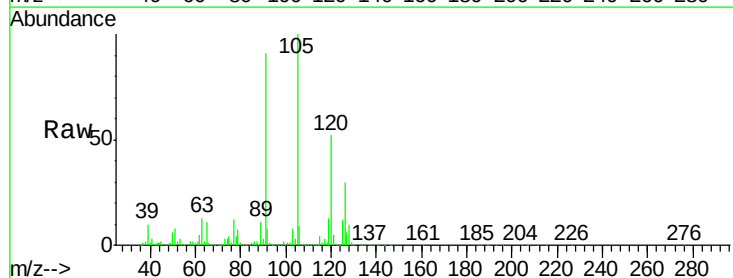
Manual Integrations
APPROVED

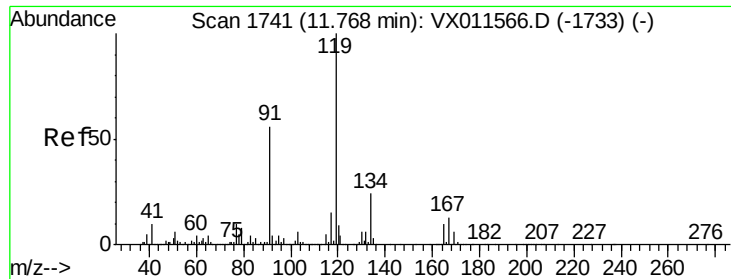
MMDadoda
8/20/2019 3:40:38 PM



#82
4-Chlorotoluene
Concen: 19.656 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.1





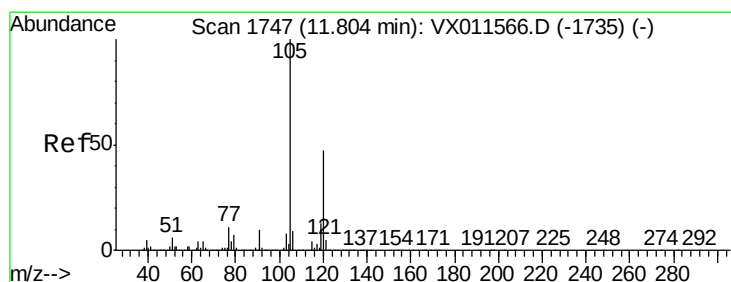
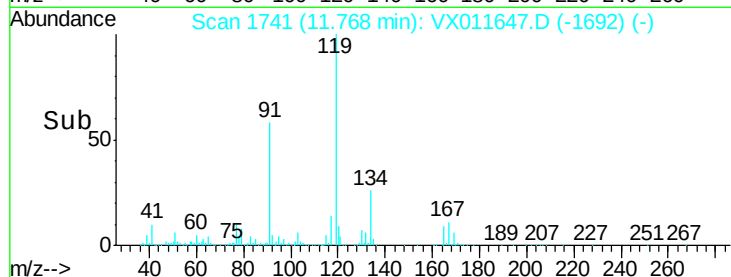
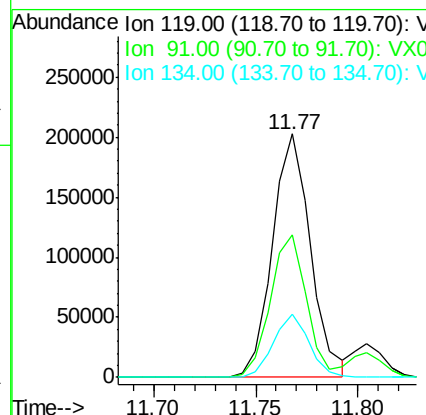
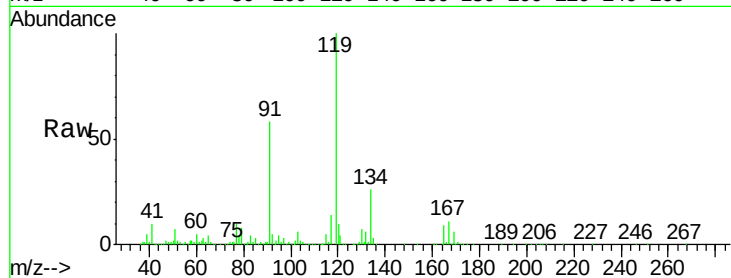
#83
 tert-Butylbenzene
 Concen: 19.963 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Instrument :
 MSVOA_X
 ClientSampled :
 VX0819WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	263404		
91	55.1	27.1	81.3	
134	24.4	11.8	35.3	

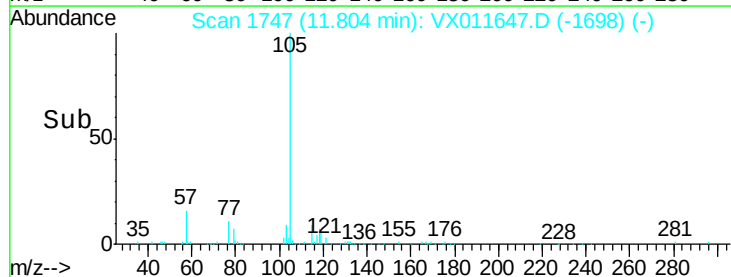
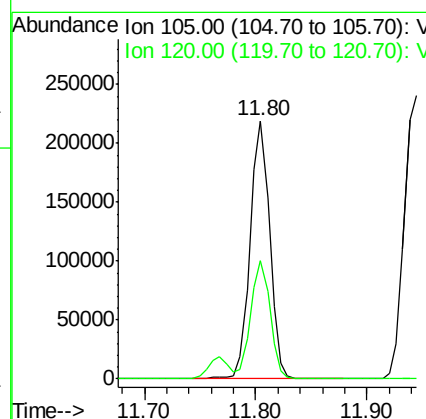
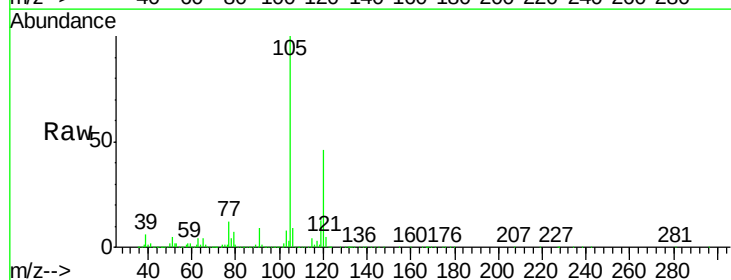
Manual Integrations
 APPROVED

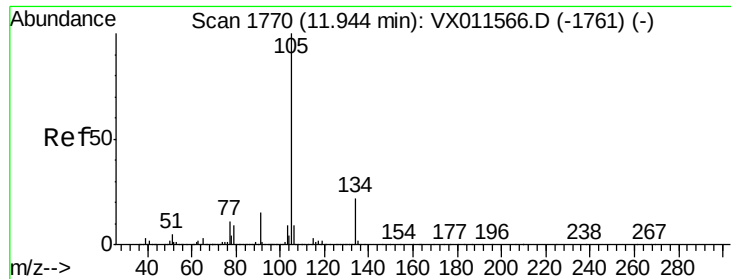
MMDadoda
 8/20/2019 3:40:38 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.550 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	267275		
120	45.6	23.3	69.9	





#85

sec-Butylbenzene

Concen: 20.071 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

ClientSampled :

VX0819WBS02

Tot Ion:105 Resp: 298799

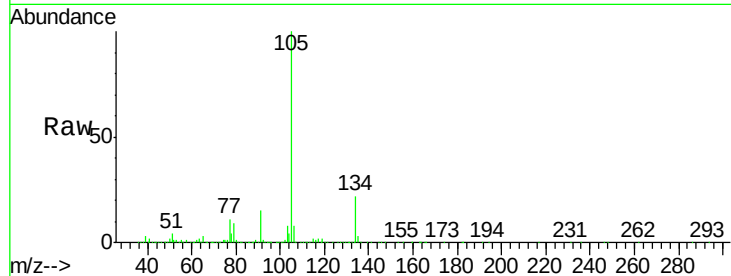
Ion Ratio Lower Upper

105 100

134 21.6 10.8 32.4

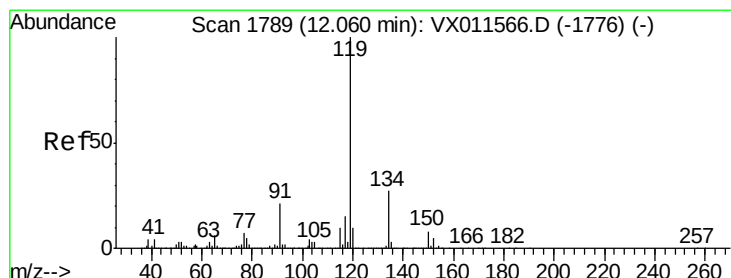
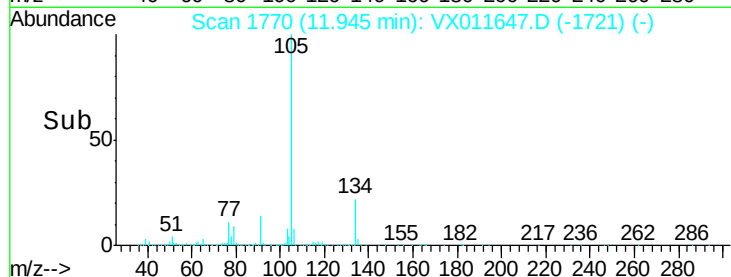
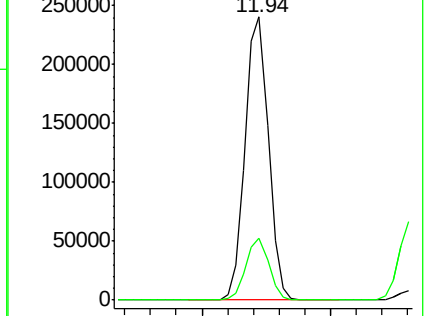
Manual Integrations
APPROVED

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8/20/2019 3:40:38 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.012 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

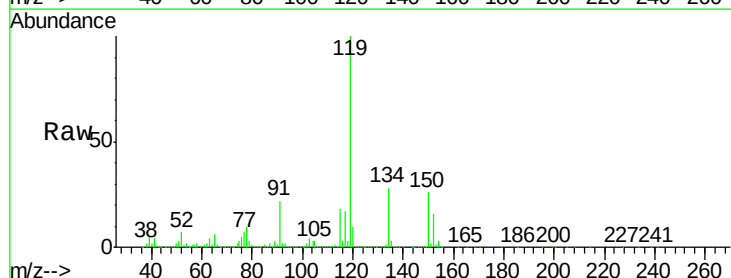
Tgt Ion:119 Resp: 280275

Ion Ratio Lower Upper

119 100

134 27.7 13.6 40.8

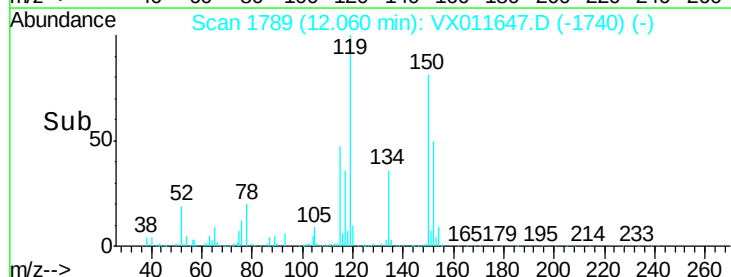
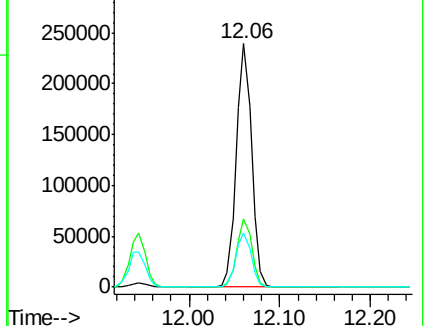
91 22.6 10.9 32.9

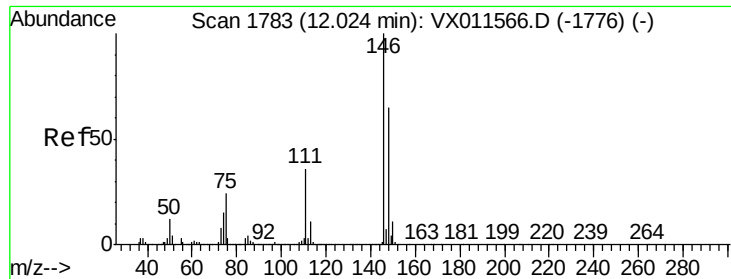


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





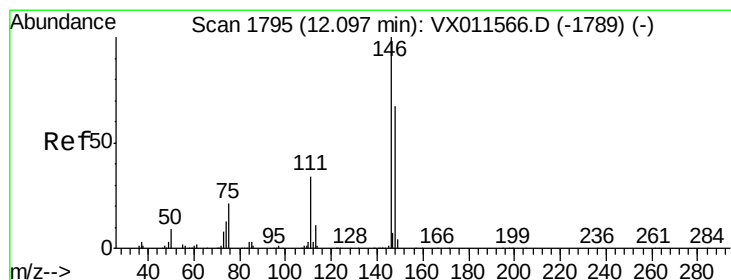
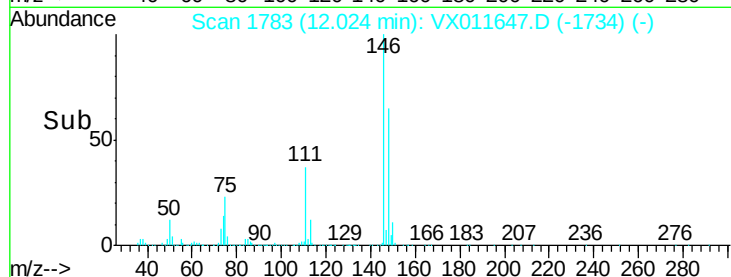
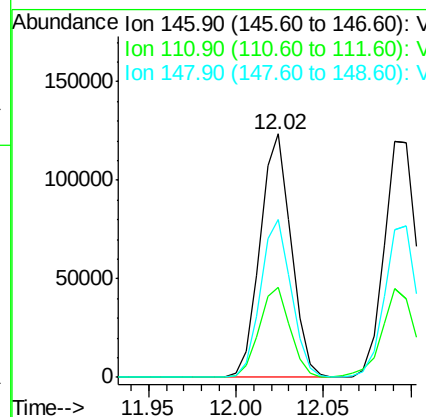
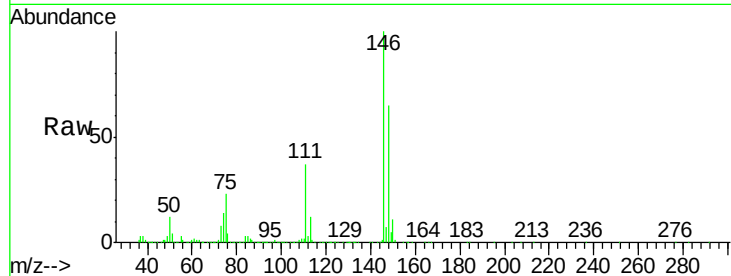
#87
 1,3-Dichlorobenzene
 Concen: 19.326 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.4
148	64.5	32.0	96.0

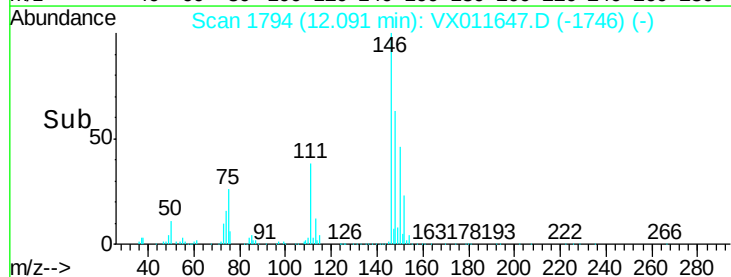
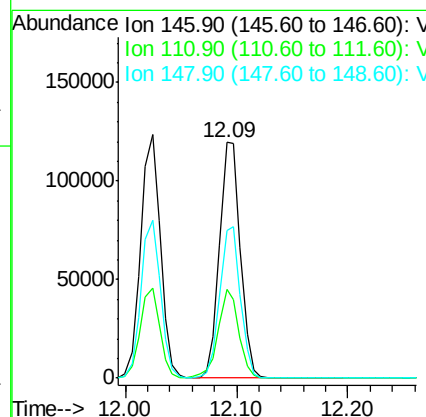
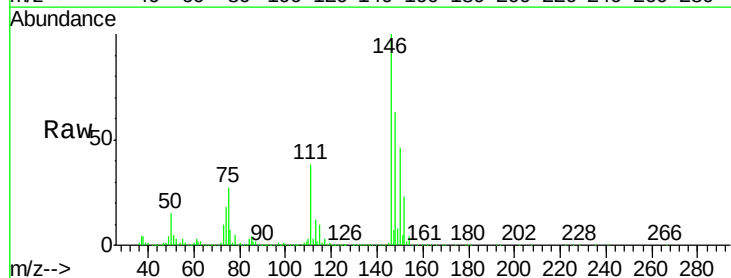
Manual Integrations
 APPROVED

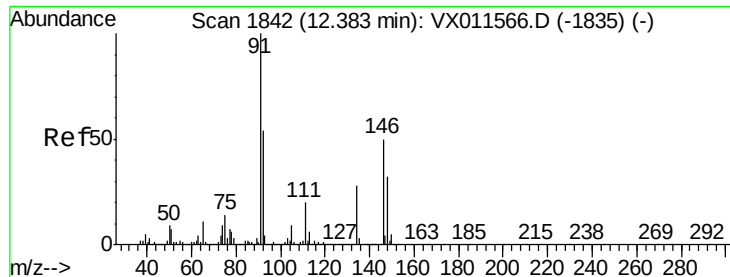
MMDadoda
 8/20/2019 3:40:38 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.524 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	17.9	53.7
148	63.3	32.5	97.5





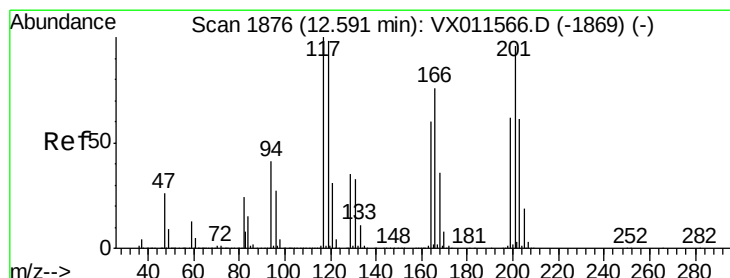
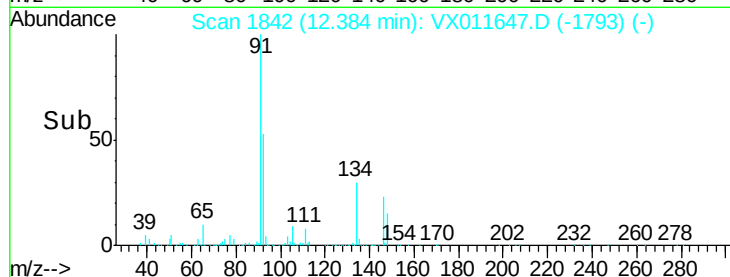
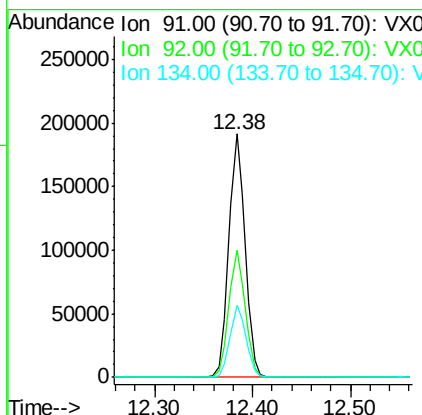
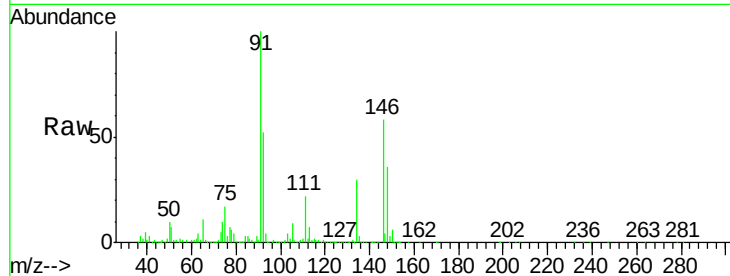
#89
n-Butylbenzene
Concen: 19.161 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.8	80.3
134	29.5	14.6	44.0

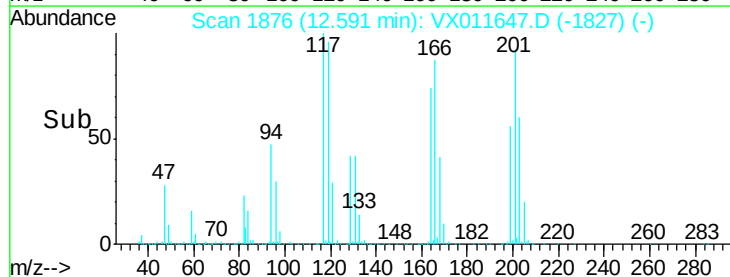
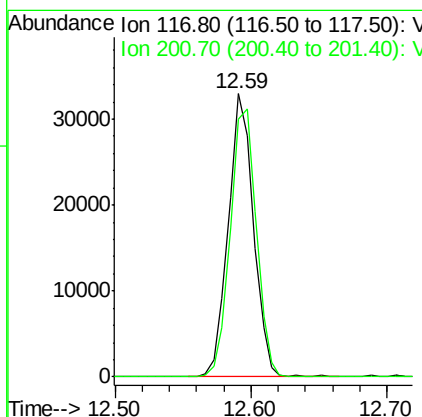
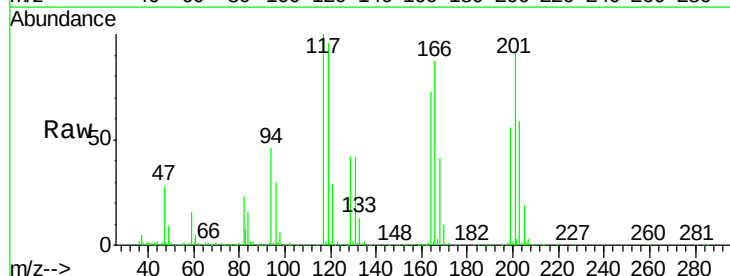
Manual Integrations
APPROVED

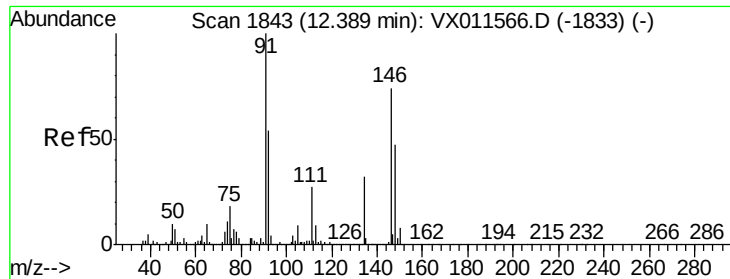
MMDadoda
8/20/2019 3:40:38 PM



#90
Hexachloroethane
Concen: 19.181 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011647.D
Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.6	51.9	155.7





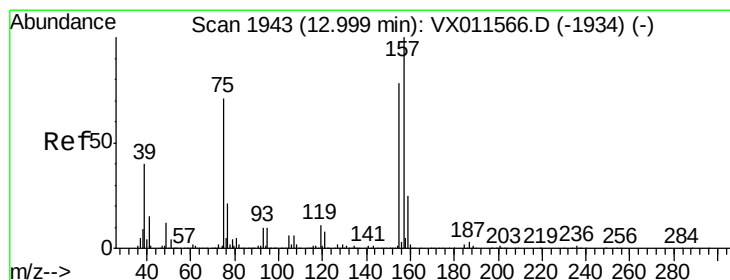
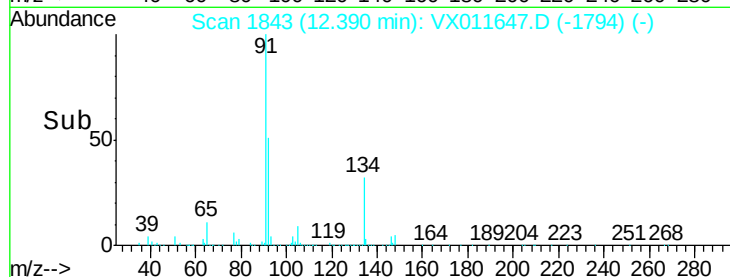
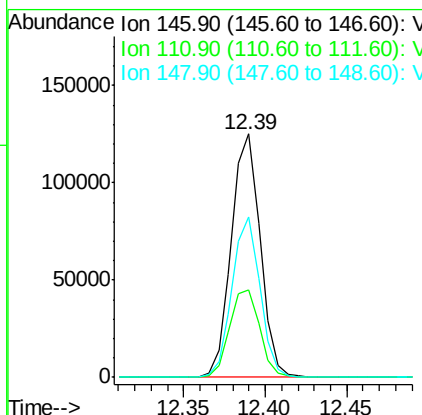
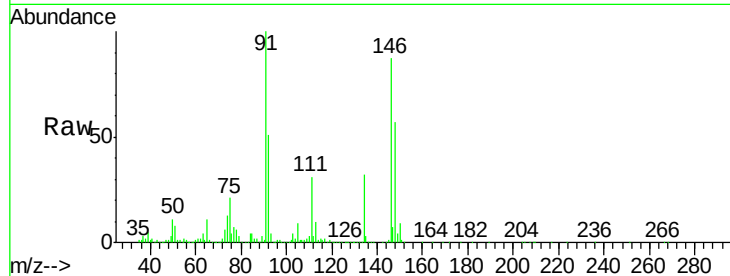
#91
 1,2-Dichlorobenzene
 Concen: 19.492 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	154322		
111	37.3	18.9	56.7	
148	63.8	31.9	95.9	

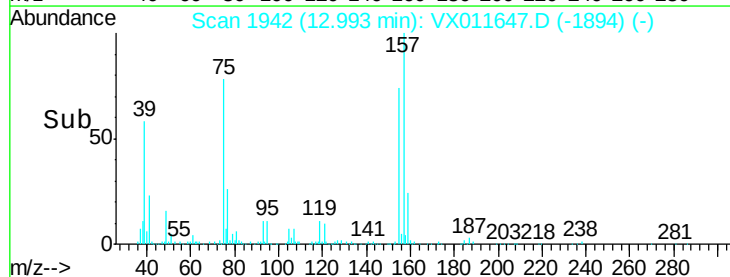
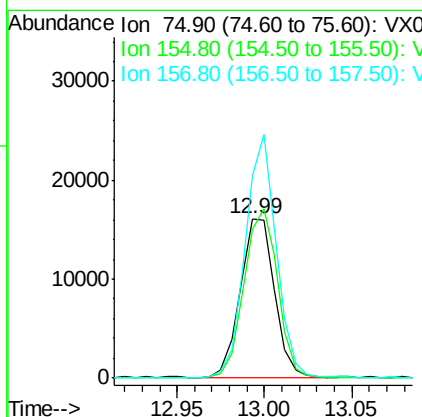
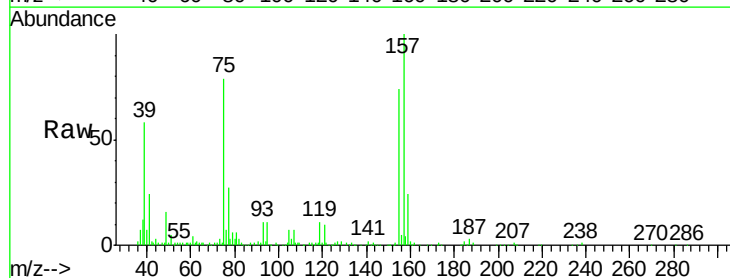
Manual Integrations
 APPROVED

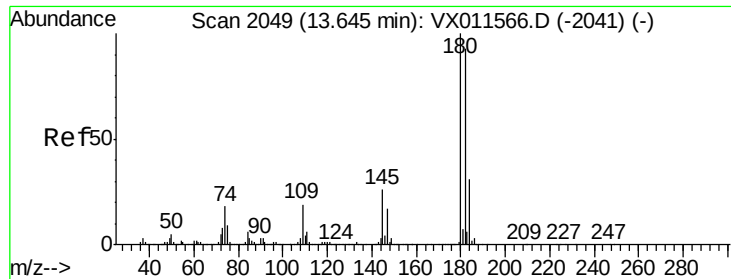
MMDadoda
 8/20/2019 3:40:38 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.933 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21766		
155	105.3	53.0	159.0	
157	139.8	68.3	205.1	





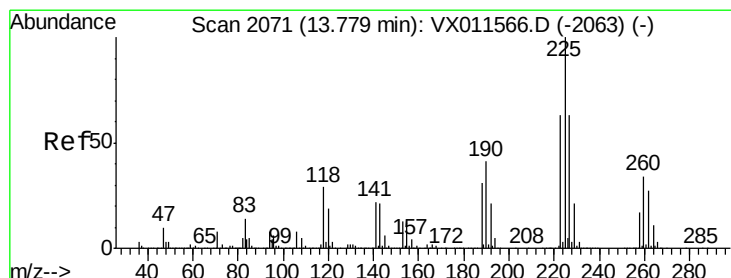
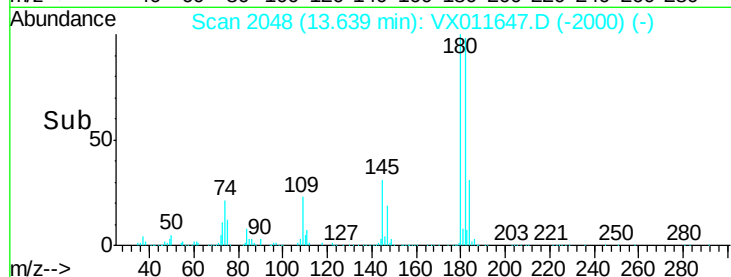
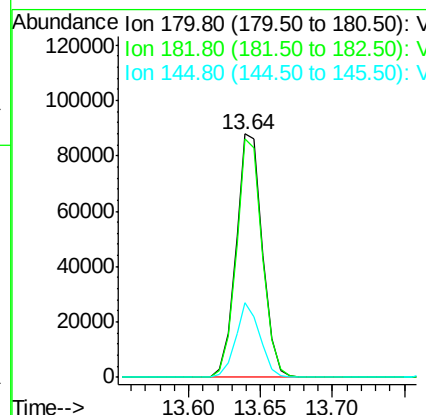
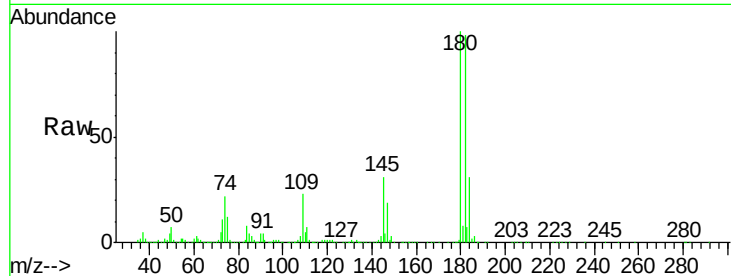
#93
 1,2,4-Trichlorobenzene
 Concen: 19.002 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	112096		
182	96.6	47.3	142.0	
145	28.3	13.6	40.8	

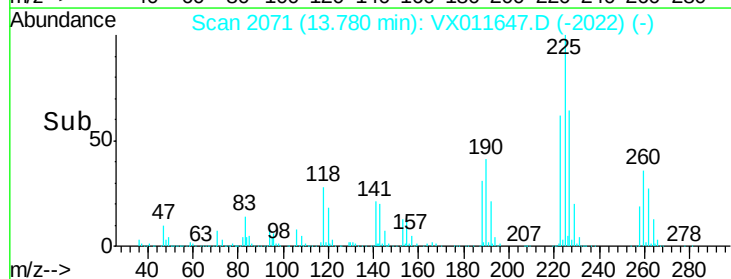
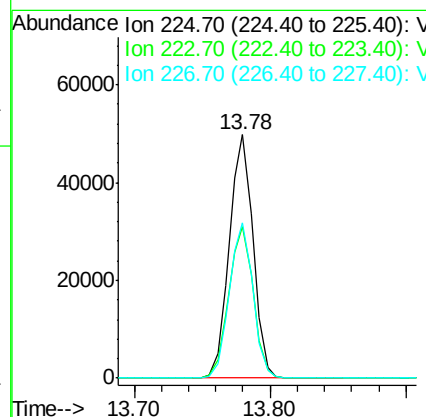
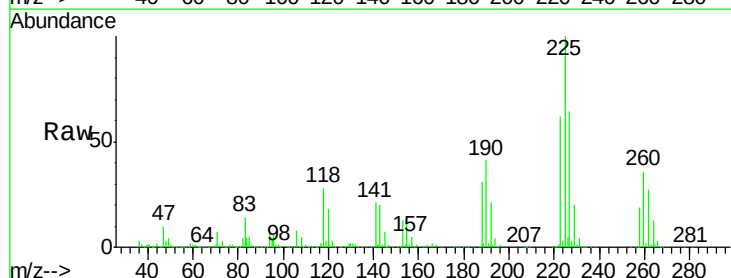
Manual Integrations
 APPROVED

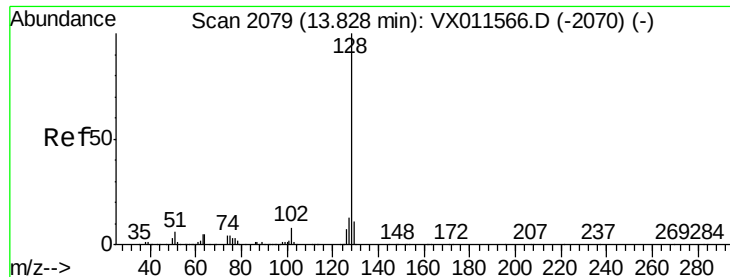
MMDadoda
 8/20/2019 3:40:38 PM



#94
 Hexachlorobutadiene
 Concen: 18.718 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011647.D
 Acq: 19 Aug 2019 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60126		
223	64.0	31.4	94.0	
227	63.1	31.2	93.6	





#95

Naphthalene

Concen: 20.303 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Instrument :

MSVOA_X

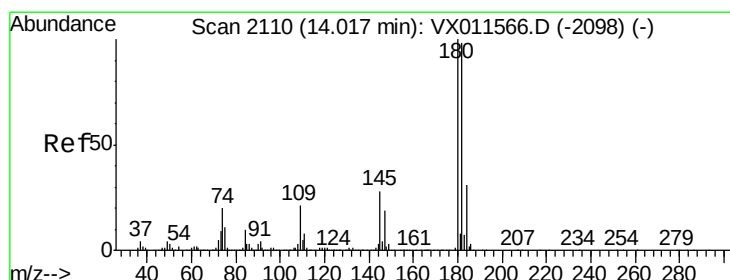
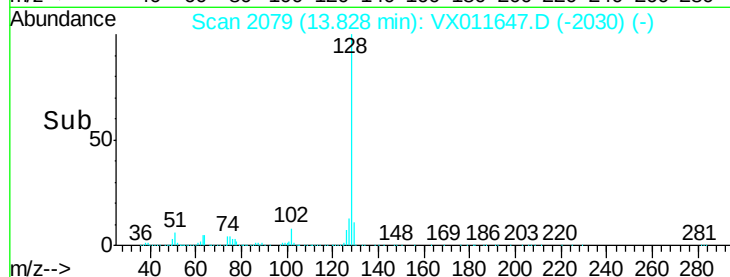
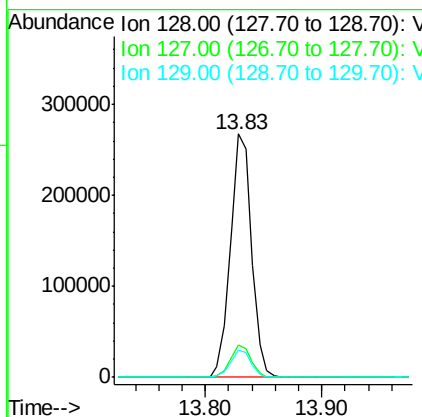
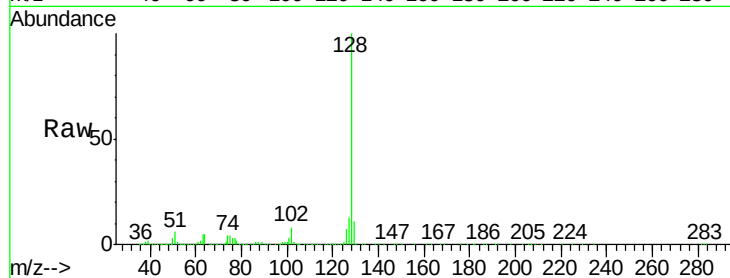
ClientSampleId :

VX0819WBS02

Tot Ion:	128	Resp:	338585
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/20/2019 3:40:38 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.840 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011647.D

Acq: 19 Aug 2019 21:58

Tgt Ion:	180	Resp:	118047
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.0	144.0
145	29.2	14.6	43.8

