

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX073019\
 Data File : VX011189.D
 Acq On : 30 Jul 2019 12:59
 Operator : JC/SP
 Sample : VX0730WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/31/2019 10:53:44 AM

Quant Time: Jul 31 07:55:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	175157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	256792	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	127583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	97096	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
35) Dibromofluoromethane	5.50	113	87094	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
50) Toluene-d8	8.71	98	323267	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
62) 4-Bromofluorobenzene	11.13	95	118461	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	33006	18.025	ug/l 97
3) Chloromethane	1.33	50	31254	19.404	ug/l 100
4) Vinyl Chloride	1.41	62	32055	19.511	ug/l 98
5) Bromomethane	1.64	94	20670	22.326	ug/l 97
6) Chloroethane	1.72	64	21875	20.952	ug/l 94
7) Trichlorofluoromethane	1.93	101	57185	20.562	ug/l 98
8) Diethyl Ether	2.19	74	19342	20.185	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	31611	19.907	ug/l 97
10) Methyl Iodide	2.51	142	24841	11.921	ug/l 98
11) Tert butyl alcohol	3.04	59	41497	95.622	ug/l 98
12) 1,1-Dichloroethene	2.37	96	28980	18.575	ug/l 96
13) Acrolein	2.29	56	14089	56.191	ug/l 98
14) Allyl chloride	2.73	41	42452	18.733	ug/l 98
15) Acrylonitrile	3.14	53	91136	103.928	ug/l 99
16) Acetone	2.44	43	84370	100.249	ug/l 99
17) Carbon Disulfide	2.57	76	60781	15.187	ug/l 100
18) Methyl Acetate	2.78	43	44217	23.074	ug/l 97
19) Methyl tert-butyl Ether	3.20	73	100026	19.916	ug/l 100
20) Methylene Chloride	2.85	84	35108	19.684	ug/l 99
21) trans-1,2-Dichloroethene	3.17	96	30889	18.659	ug/l 93
22) Diisopropyl ether	3.85	45	98037	20.512	ug/l 97
23) Vinyl Acetate	3.81	43	399326	98.606	ug/l 99
24) 1,1-Dichloroethane	3.70	63	54935	19.791	ug/l 98
25) 2-Butanone	4.67	43	124501	103.054	ug/l 100
26) 2,2-Dichloropropane	4.59	77	43007	18.870	ug/l 100
27) cis-1,2-Dichloroethene	4.60	96	37235	19.435	ug/l 99
28) Bromochloromethane	5.01	49	21121	16.147	ug/l 96
29) Tetrahydrofuran	5.13	42	80618	105.346	ug/l 97
30) Chloroform	5.21	83	60948	20.314	ug/l 96
31) Cyclohexane	5.59	56	46314	18.305	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	50747	19.550	ug/l 99
36) 1,1-Dichloropropene	5.80	75	41339	19.598	ug/l 98
37) Ethyl Acetate	4.83	43	45341	20.992	ug/l 98
38) Carbon Tetrachloride	5.79	117	43783	19.920	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	49336	18.036	ug/l	99
40) Benzene	6.14	78	129800	20.089	ug/l	100
41) Methacrylonitrile	5.04	41	24945	20.345	ug/l	97
42) 1,2-Dichloroethane	6.20	62	46920	20.885	ug/l	99
43) Isopropyl Acetate	6.44	43	71592	20.158	ug/l	99
44) Trichloroethene	7.21	130	36842	19.263	ug/l	99
45) 1,2-Dichloropropane	7.51	63	33622	20.445	ug/l	97
46) Dibromomethane	7.66	93	23931	20.365	ug/l	99
47) Bromodichloromethane	7.90	83	42505	20.320	ug/l	97
48) Methyl methacrylate	7.77	41	35749	20.663	ug/l	97
49) 1,4-Dioxane	7.74	88	19185	396.424	ug/l #	93
51) 4-Methyl-2-Pentanone	8.64	43	250129	108.647	ug/l	99
52) Toluene	8.78	92	85621	20.172	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	42608	18.943	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	48486	19.373	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	35826	20.499	ug/l	99
56) Ethyl methacrylate	9.18	69	51710	20.227	ug/l	98
57) 1,3-Dichloropropane	9.37	76	57010	20.563	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	125034	102.457	ug/l	100
59) 2-Hexanone	9.49	43	194533	108.943	ug/l	100
60) Dibromochloromethane	9.58	129	35879	19.464	ug/l	98
61) 1,2-Dibromoethane	9.67	107	37659	20.304	ug/l	99
64) Tetrachloroethene	9.33	164	36801	19.718	ug/l	98
65) Chlorobenzene	10.13	112	96905	19.887	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	33687	19.670	ug/l	96
67) Ethyl Benzene	10.25	91	164048	19.779	ug/l	99
68) m/p-Xylenes	10.35	106	125597	39.476	ug/l	100
69) o-Xylene	10.69	106	61845	19.917	ug/l	100
70) Styrene	10.71	104	104434	20.176	ug/l	100
71) Bromoform	10.85	173	25904	18.315	ug/l #	98
73) Isopropylbenzene	11.02	105	168840	19.585	ug/l	100
74) N-amyl acetate	10.90	43	62983	19.121	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	57852	20.506	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	47780m	20.753	ug/l	
77) Bromobenzene	11.25	156	46561	19.581	ug/l	97
78) n-propylbenzene	11.36	91	185054	19.428	ug/l	100
79) 2-Chlorotoluene	11.42	91	111582	19.500	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	141706	19.672	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	13875	18.033	ug/l #	86
82) 4-Chlorotoluene	11.51	91	129294	19.414	ug/l	99
83) tert-Butylbenzene	11.77	119	138510	19.576	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	141625	19.506	ug/l	100
85) sec-Butylbenzene	11.94	105	165551	19.968	ug/l	100
86) p-Isopropyltoluene	12.06	119	152250	19.863	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	80852	19.593	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	82201	19.422	ug/l	99
89) n-Butylbenzene	12.38	91	128119	19.538	ug/l	99
90) Hexachloroethane	12.59	117	21737	17.980	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	81644	19.963	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	11968	20.294	ug/l	99

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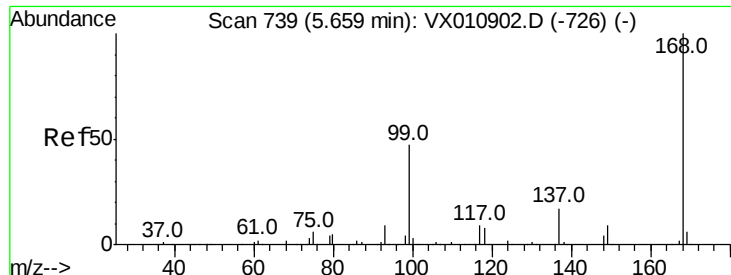
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54048	19.500	ug/l	99
94) Hexachlorobutadiene	13.78	225	27750	20.203	ug/l	98
95) Naphthalene	13.83	128	168445	20.580	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	57071	20.694	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS01

Tot Ion:168 Resp: 175157

Ion Ratio Lower Upper

168 100

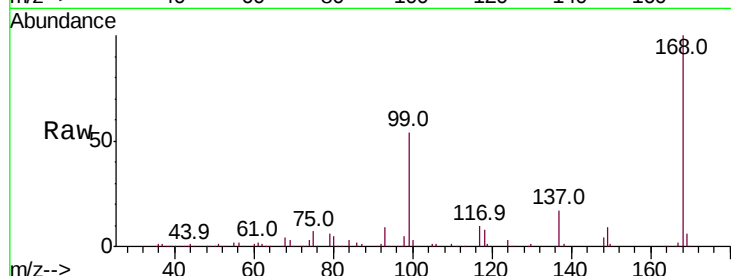
99 53.5 37.6 56.4

Manual Integrations

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7/31/2019 10:53:44 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

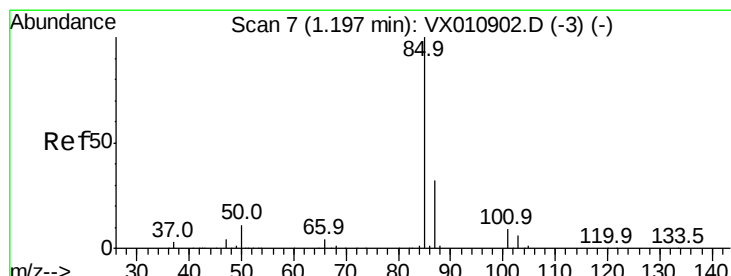
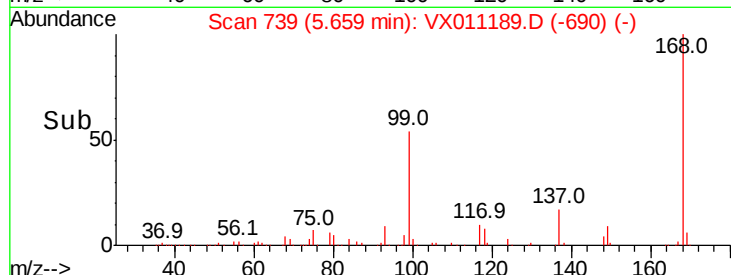
60000

40000

20000

0

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.025 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011189.D

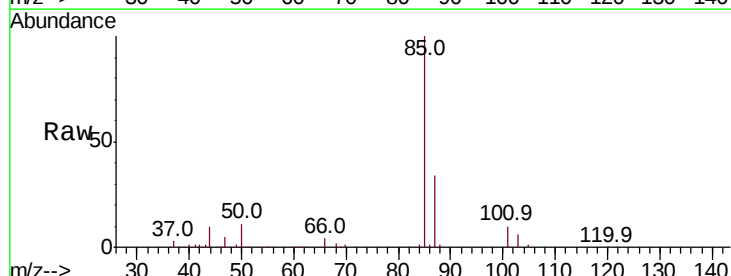
Acq: 30 Jul 2019 12:59

Tgt Ion: 85 Resp: 33006

Ion Ratio Lower Upper

85 100

87 33.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

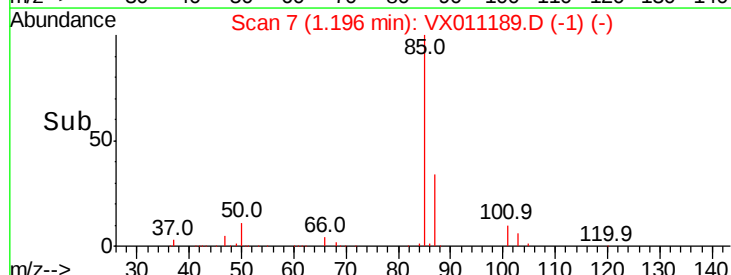
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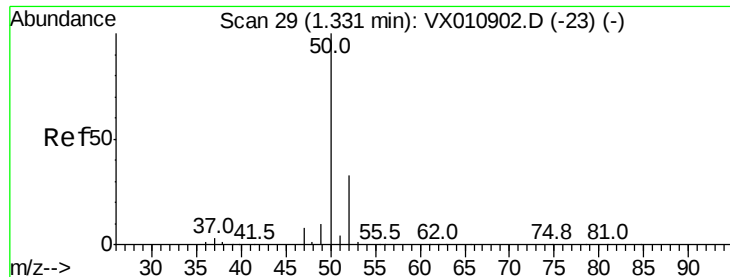
20000

10000

0

1.15 1.20 1.25





#3

Chloromethane

Concen: 19.404 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS01

Tot Ion: 50 Resp: 31254

Ion Ratio Lower Upper

50 100

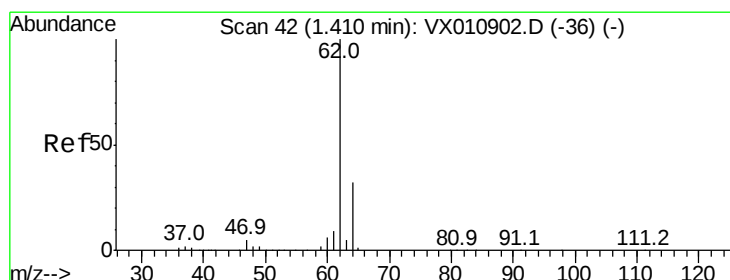
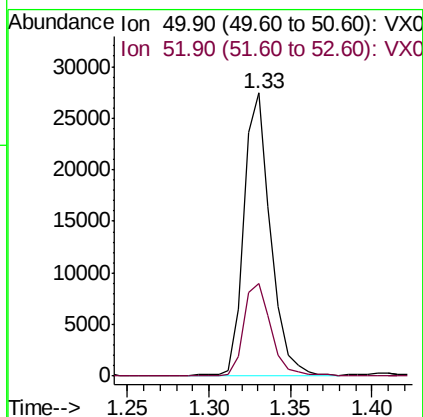
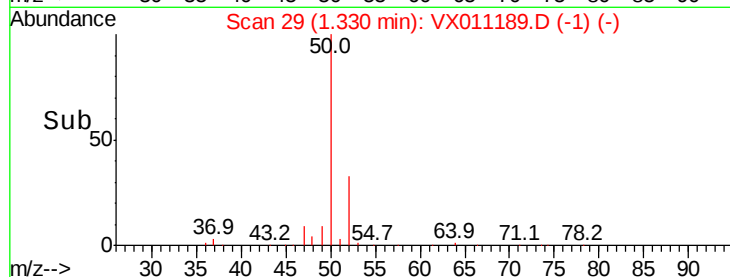
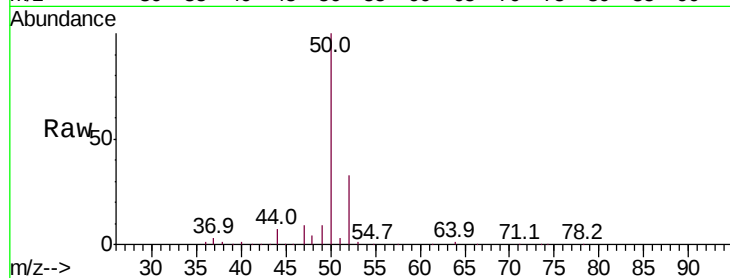
52 32.8 26.4 39.6

Manual Integrations

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7/31/2019 10:53:44 AM



#4

Vinyl Chloride

Concen: 19.511 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011189.D

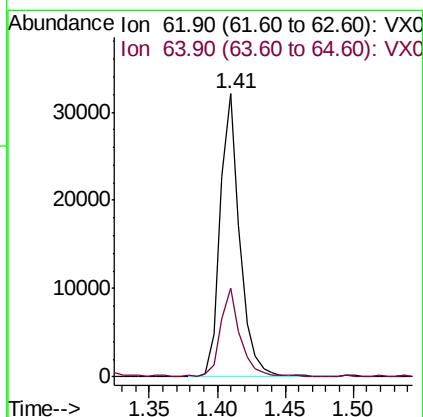
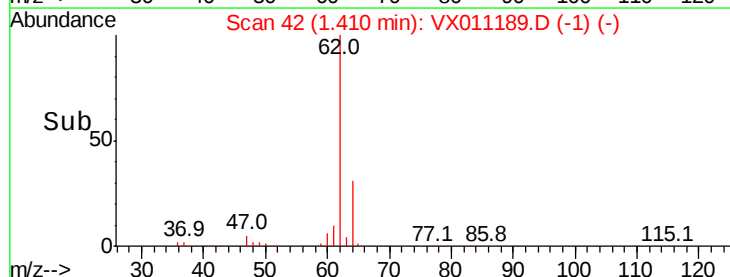
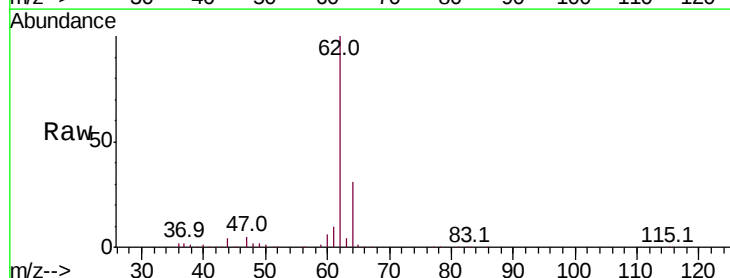
Acq: 30 Jul 2019 12:59

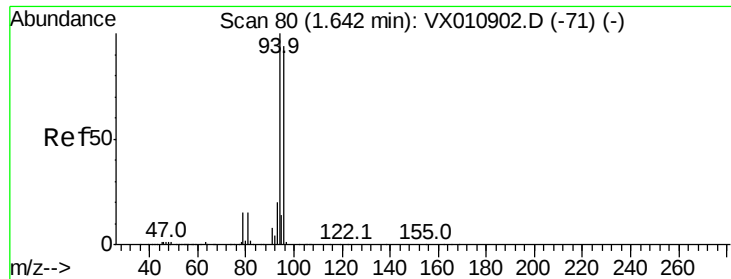
Tgt Ion: 62 Resp: 32055

Ion Ratio Lower Upper

62 100

64 31.1 25.7 38.5





#5

Bromomethane

Concen: 22.326 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS01

Tot Ion: 94 Resp: 20670

Ion Ratio Lower Upper

94 100

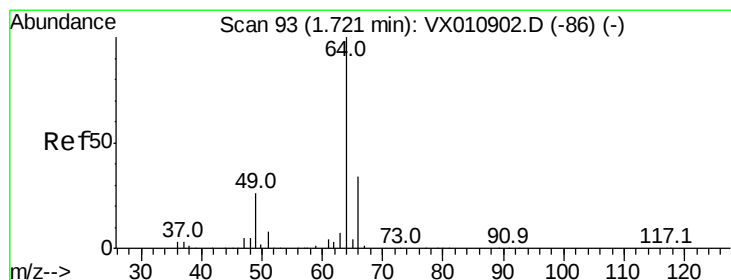
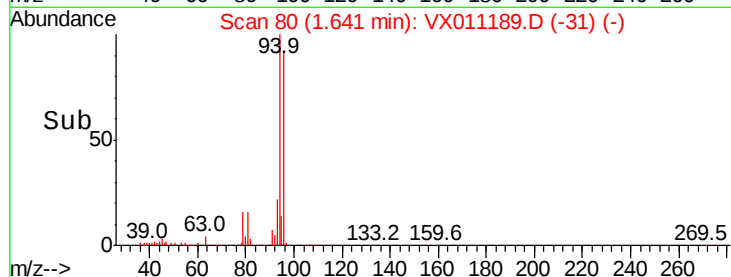
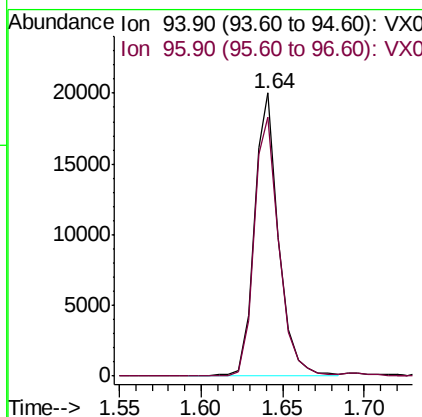
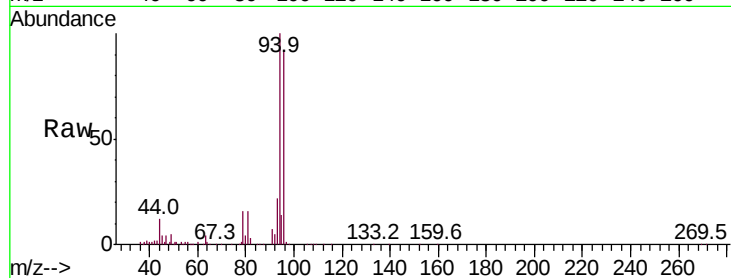
96 91.5 75.6 113.4

Manual Integrations

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7/31/2019 10:53:44 AM



#6

Chloroethane

Concen: 20.952 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX011189.D

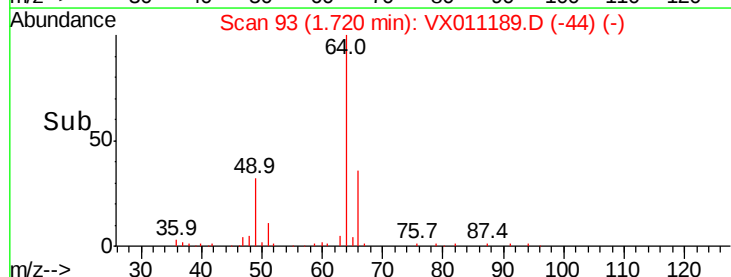
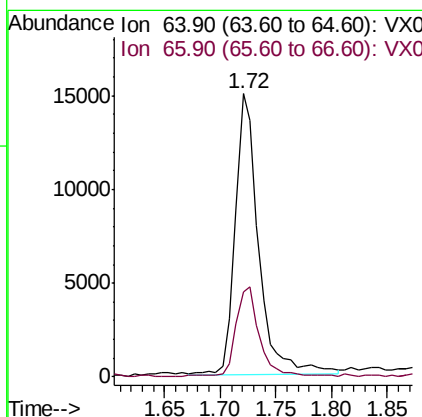
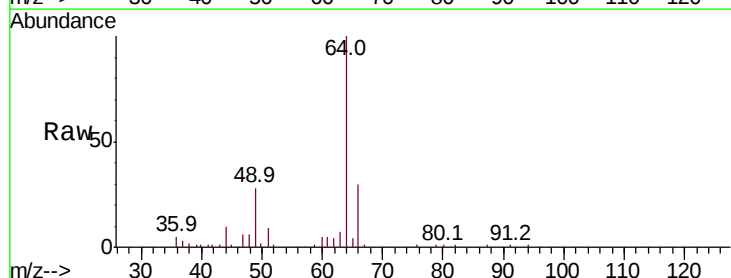
Acq: 30 Jul 2019 12:59

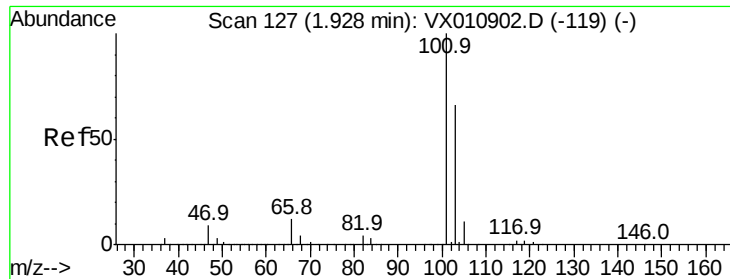
Tgt Ion: 64 Resp: 21875

Ion Ratio Lower Upper

64 100

66 30.5 27.0 40.6





#7

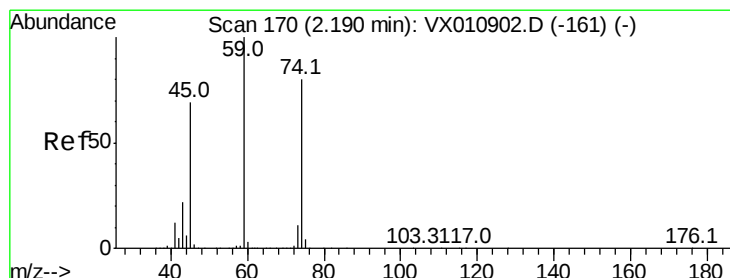
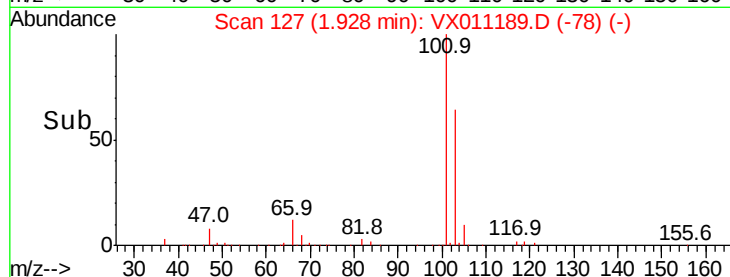
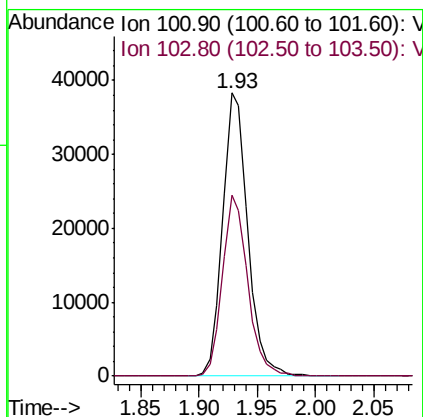
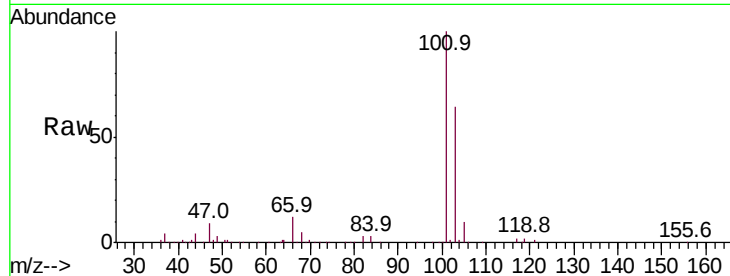
Trichlorofluoromethane
Concen: 20.562 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.6	78.8

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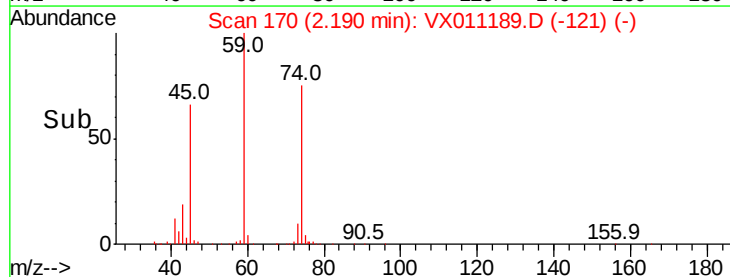
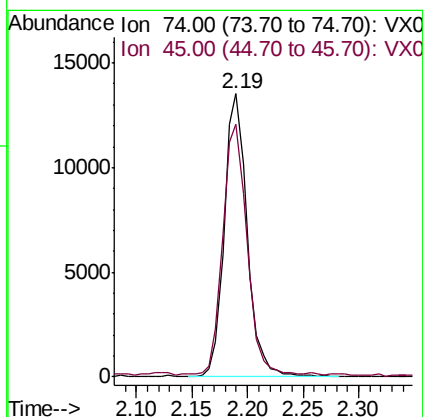
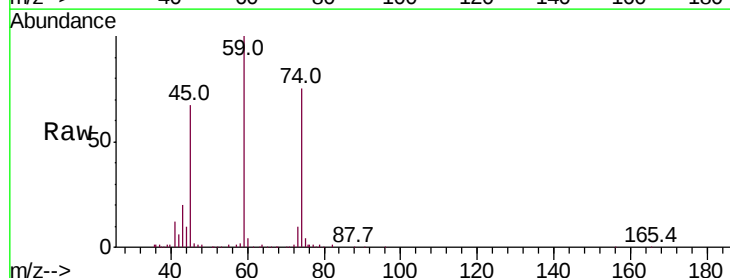
MMDadoda
7/31/2019 10:53:44 AM

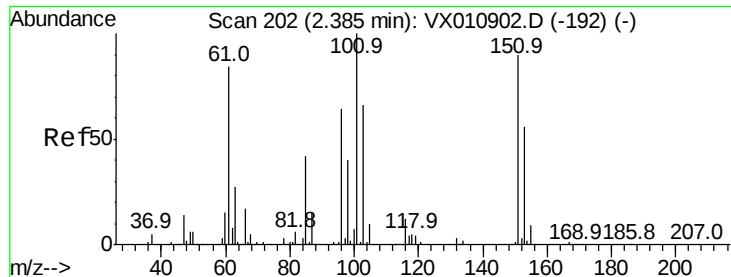


#8

Diethyl Ether
Concen: 20.185 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.5	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.907 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

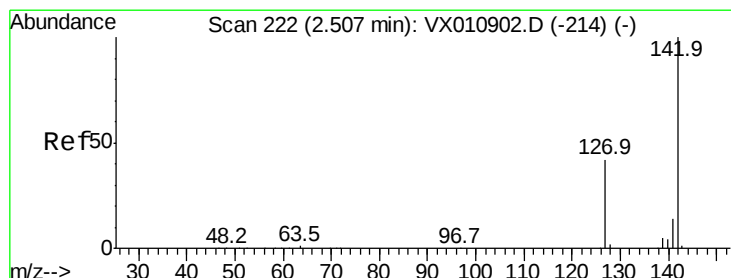
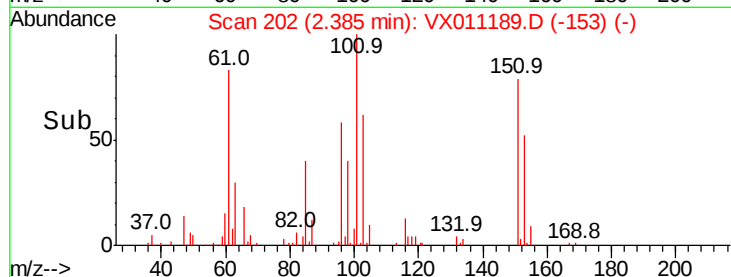
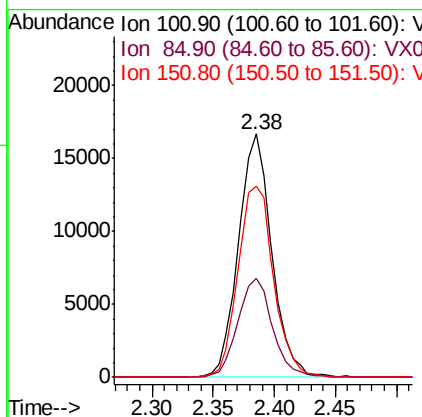
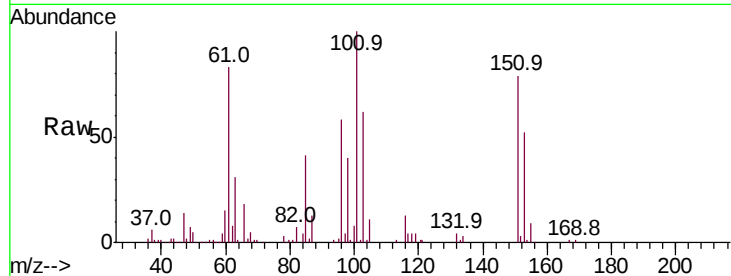
ClientSampleId :

VX0730WBS01

Tot Ion:	101	Resp:	31611
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.6	52.0
151	84.2	69.6	104.4

Manual Integrations
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#10

Methyl Iodide

Concen: 11.921 ug/l

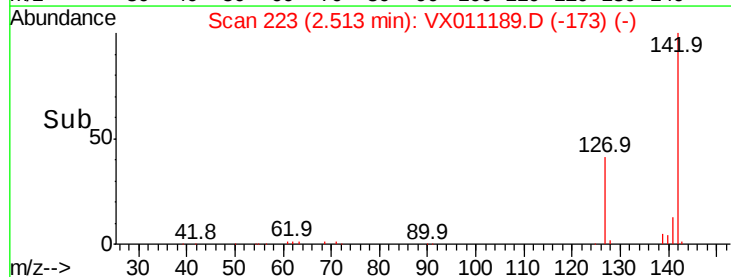
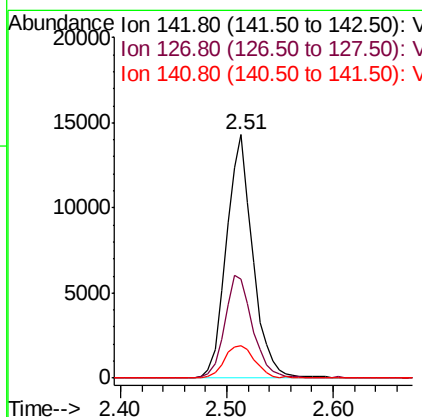
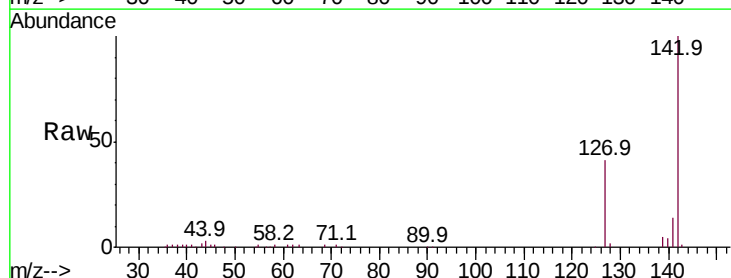
RT: 2.51 min Scan# 223

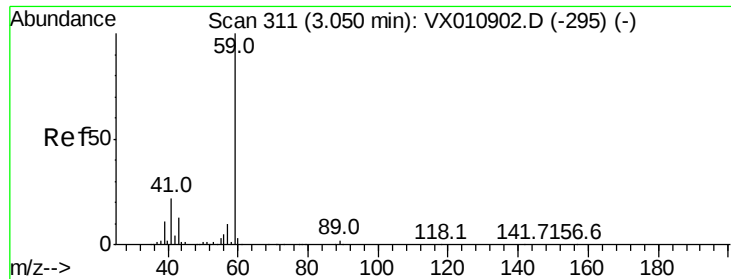
Delta R.T. 0.01 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Tgt Ion:	142	Resp:	24841
Ion Ratio	Lower	Upper	
142	100		
127	44.3	34.2	51.4
141	15.3	11.7	17.5





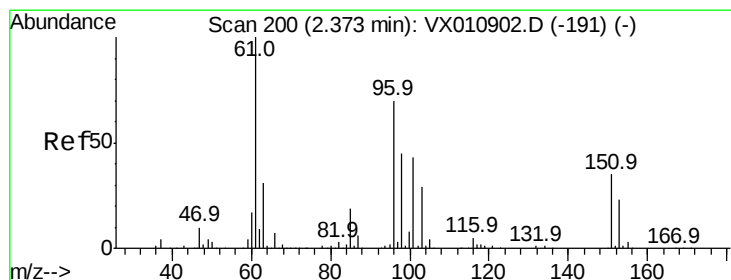
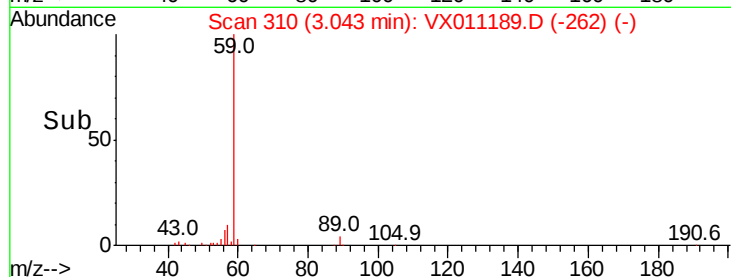
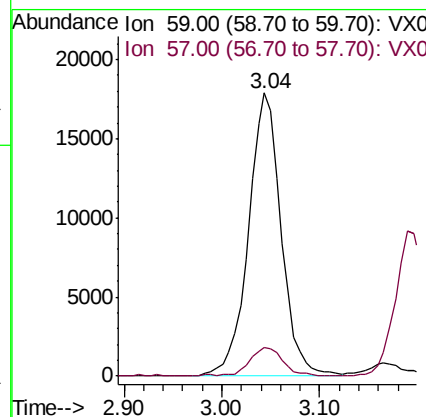
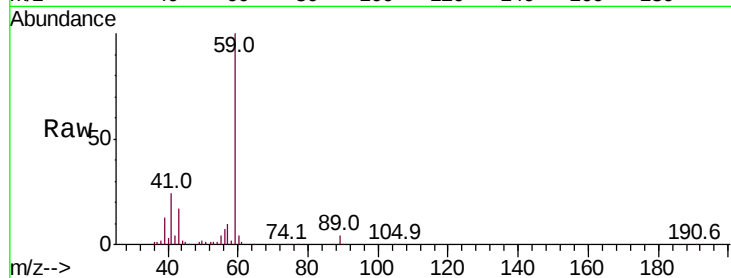
#11
Tert butyl alcohol
Concen: 95.622 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS01

Tot Ion: 59 Resp: 41497
Ion Ratio Lower Upper
59 100
57 10.6 7.9 11.9

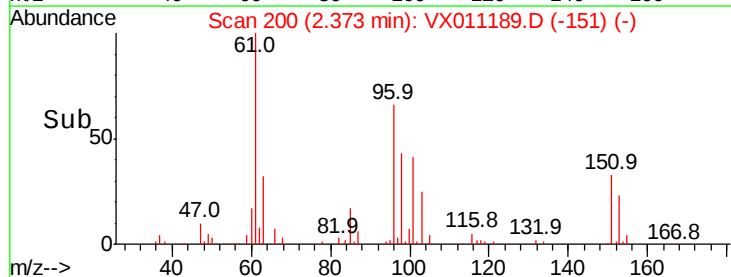
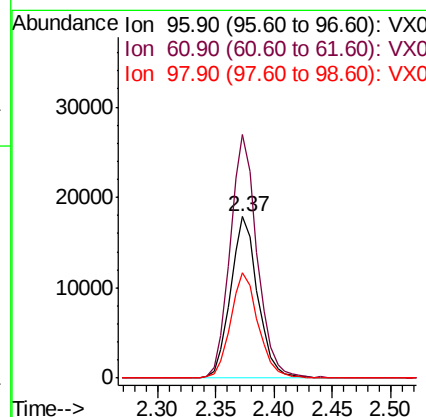
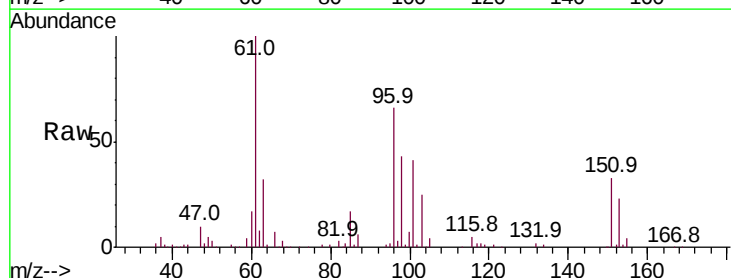
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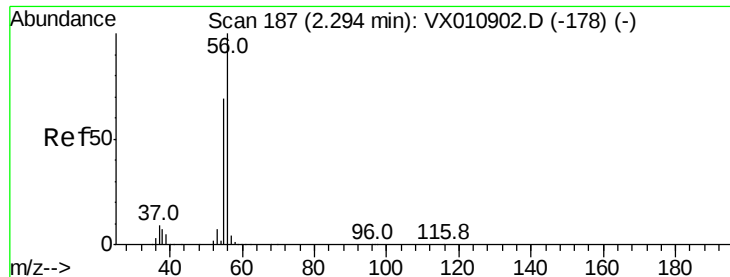
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.575 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion: 96 Resp: 28980
Ion Ratio Lower Upper
96 100
61 151.0 115.0 172.4
98 65.4 52.2 78.2





#13

Acrolein

Concen: 56.191 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS01

Tot Ion: 56 Resp: 14089

Ion Ratio Lower Upper

56 100

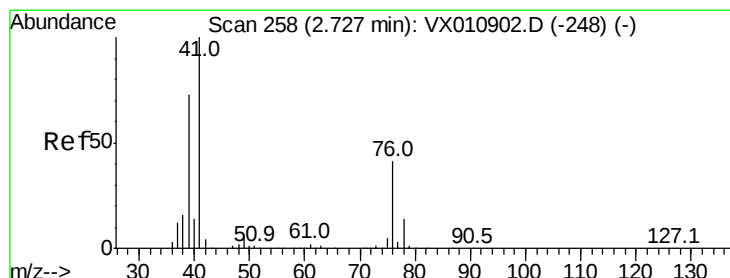
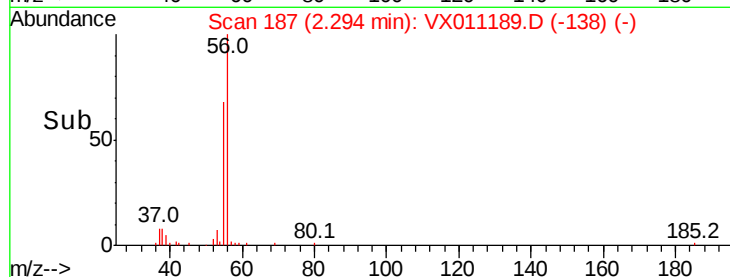
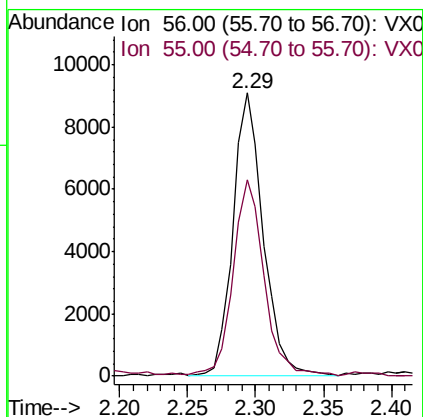
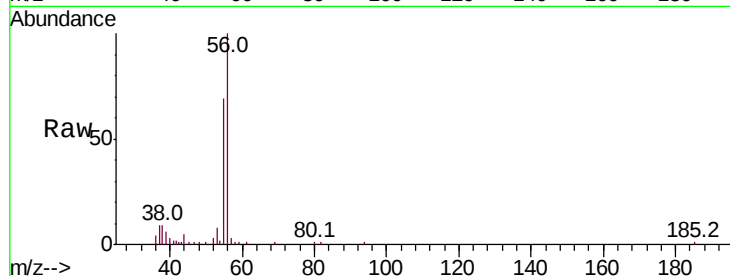
55 71.7 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 18.733 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

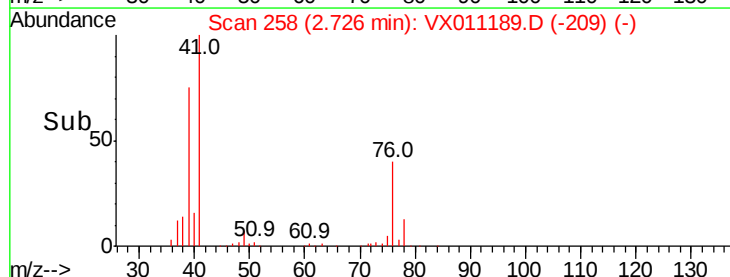
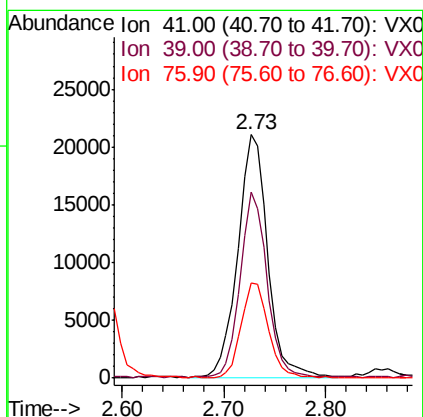
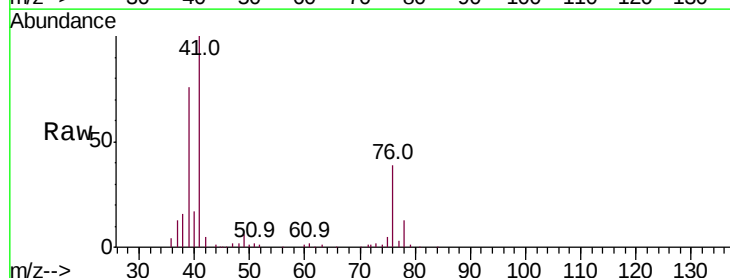
Tgt Ion: 41 Resp: 42452

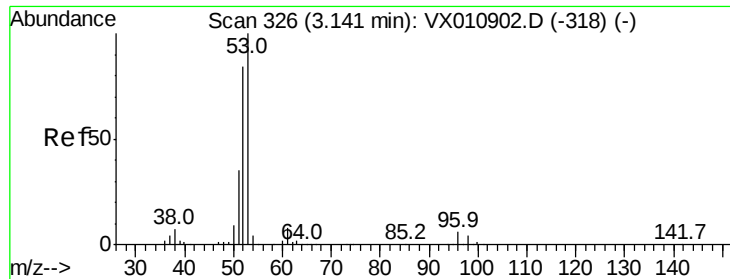
Ion Ratio Lower Upper

41 100

39 69.0 53.6 80.4

76 36.3 29.7 44.5





#15

Acrylonitrile

Concen: 103.928 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

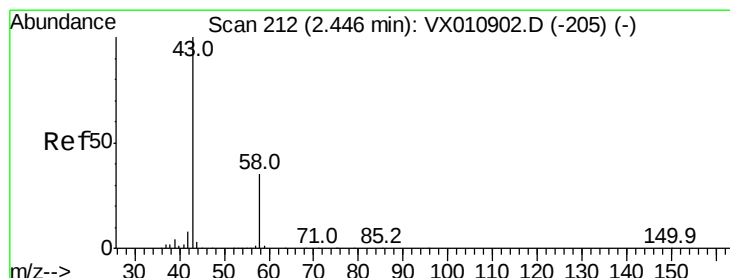
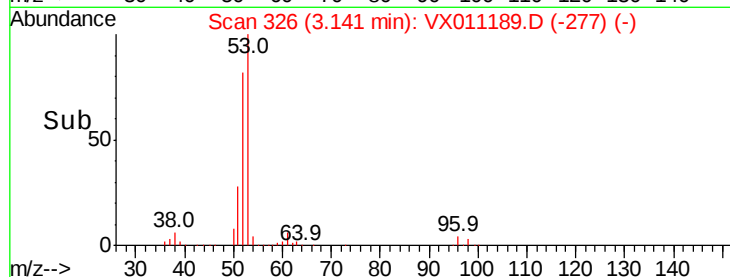
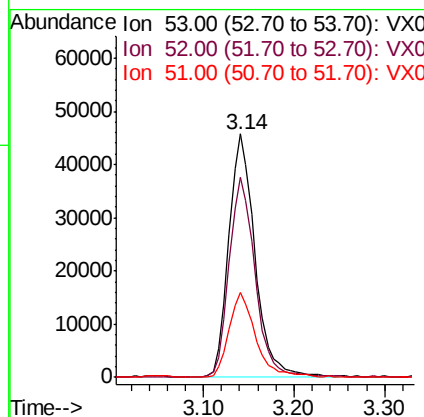
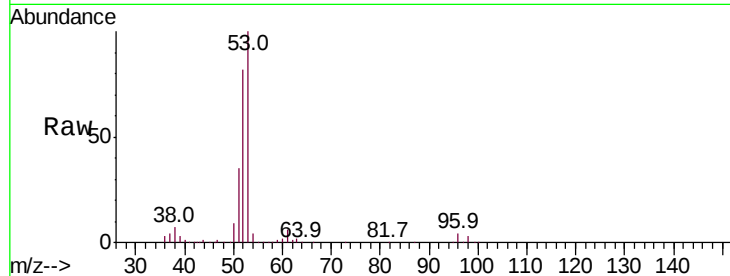
ClientSampleId :

VX0730WBS01

Tot Ion:	53	Resp:	91136
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.5	99.7
51	36.0	28.2	42.4

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#16

Acetone

Concen: 100.249 ug/l

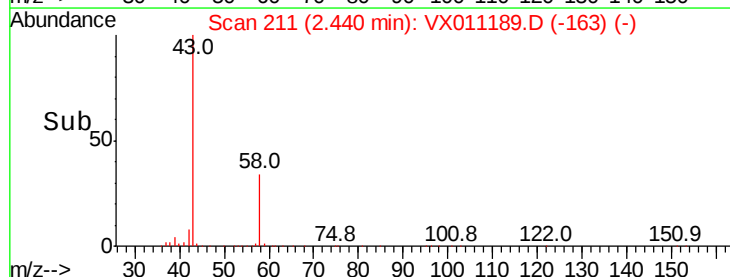
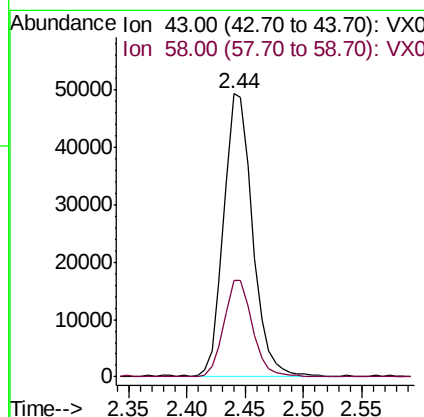
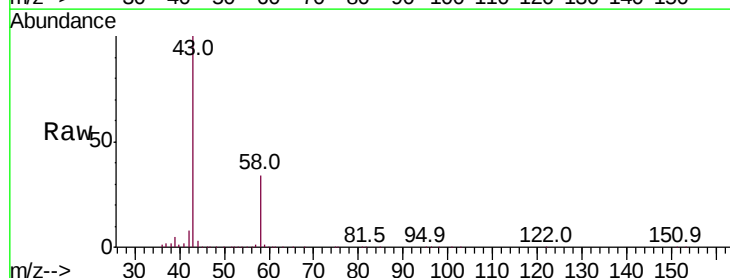
RT: 2.44 min Scan# 211

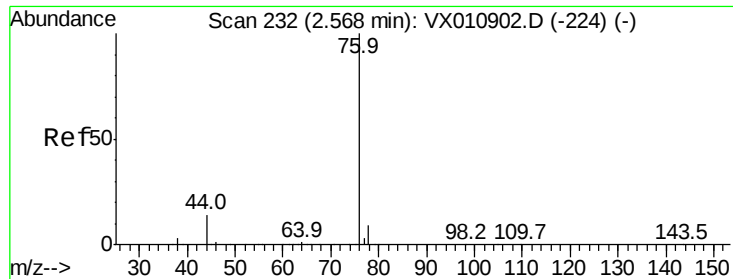
Delta R.T. -0.01 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Tgt Ion:	43	Resp:	84370
Ion Ratio	Lower	Upper	
43	100		
58	34.2	27.7	41.5





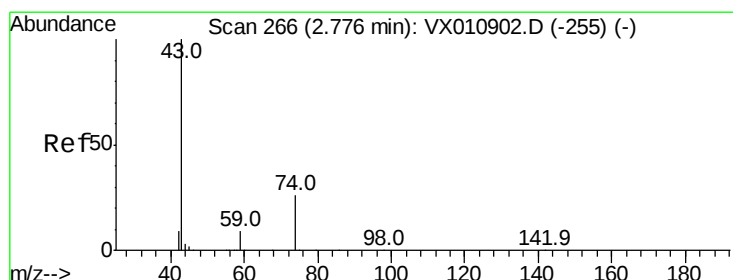
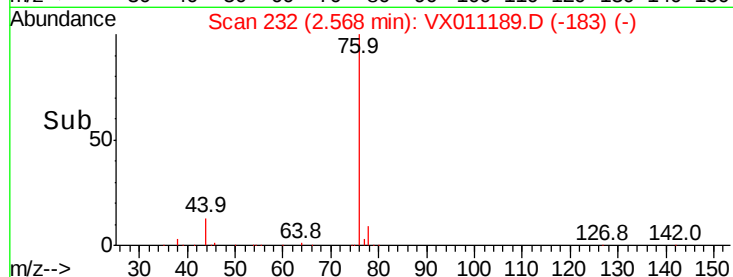
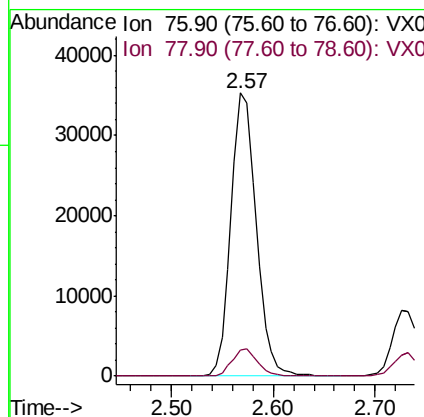
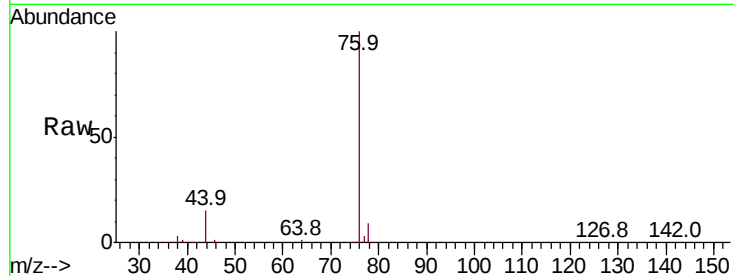
#17
Carbon Disulfide
Concen: 15.187 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

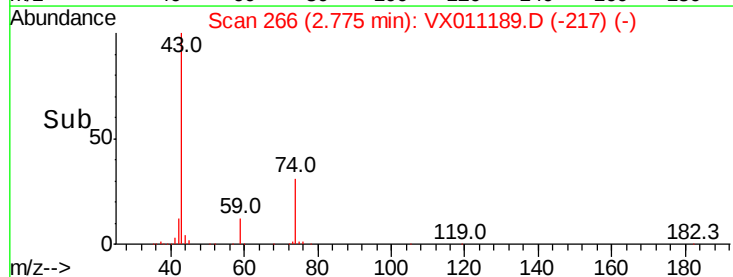
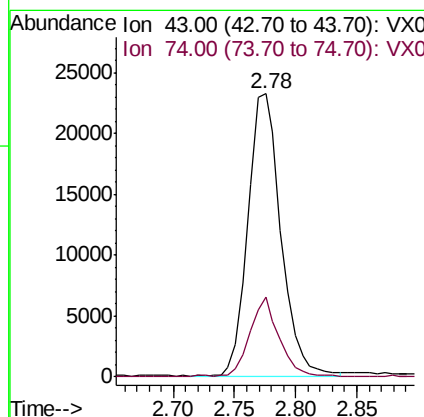
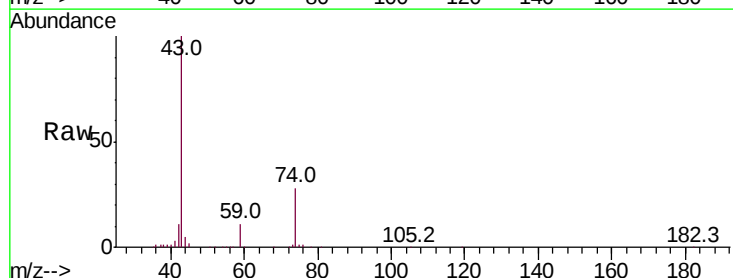
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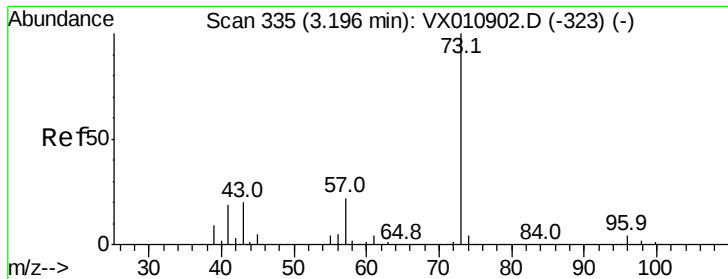
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#18
Methyl Acetate
Concen: 23.074 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	21.5	32.3





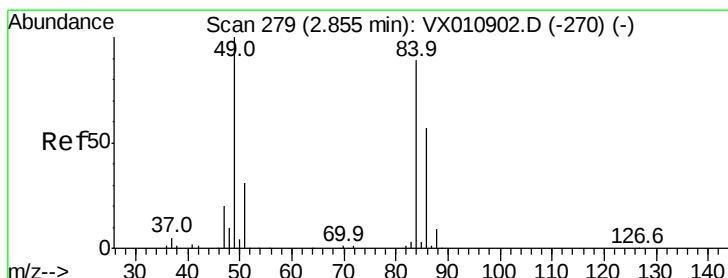
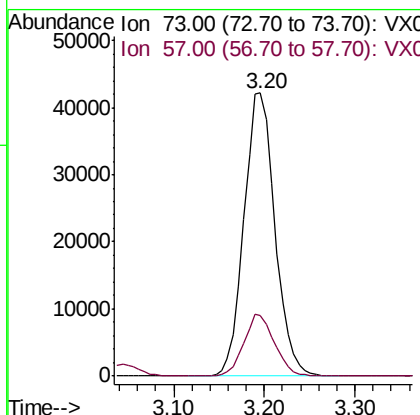
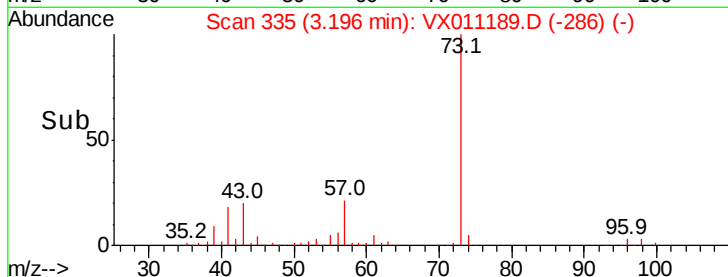
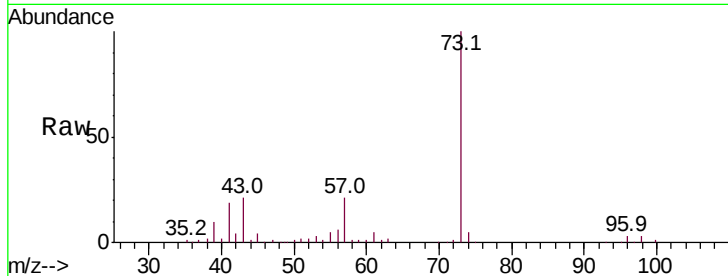
#19
Methvl tert-butvl Ether
Concen: 19.916 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS01

Tot Ion: 73 Resp: 100026
Ion Ratio Lower Upper
73 100
57 21.4 17.3 25.9

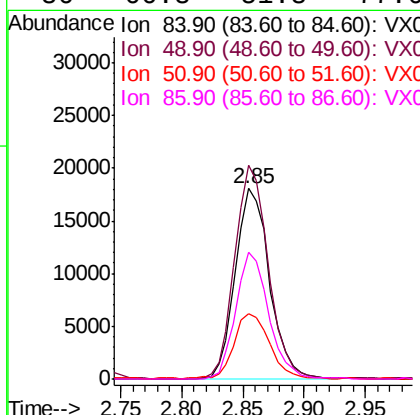
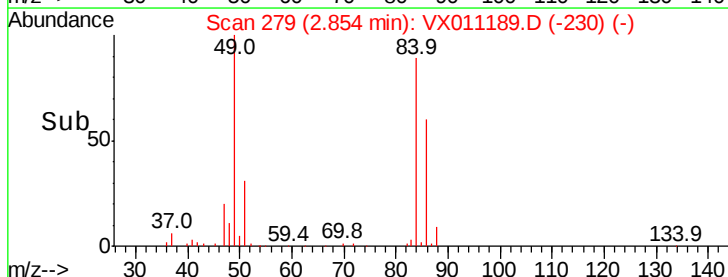
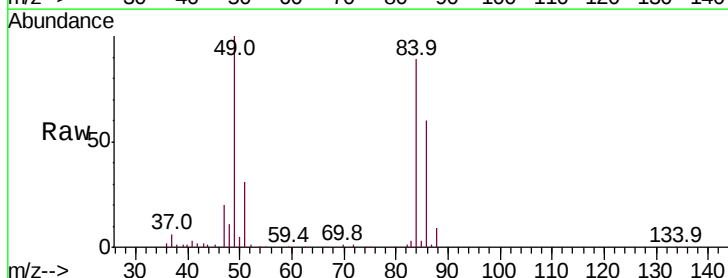
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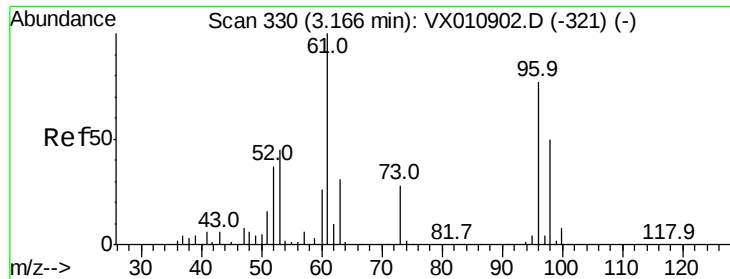
MMDadoda
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#20
Methylene Chloride
Concen: 19.684 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion: 84 Resp: 35108
Ion Ratio Lower Upper
84 100
49 111.8 89.9 134.9
51 34.5 27.8 41.6
86 66.8 51.8 77.6





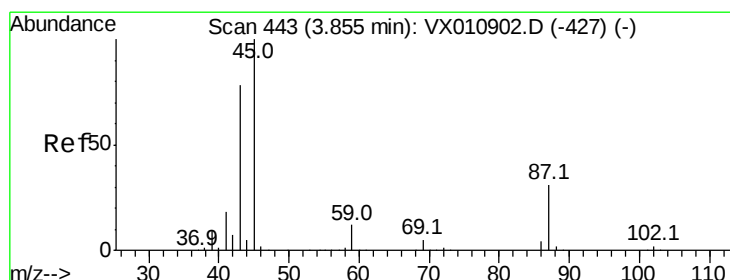
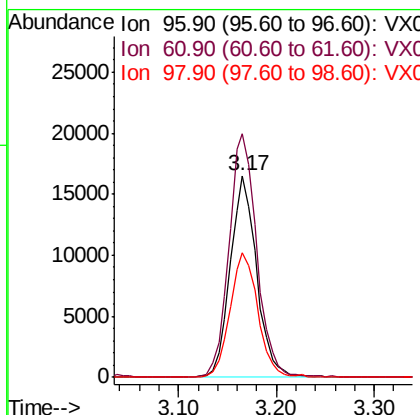
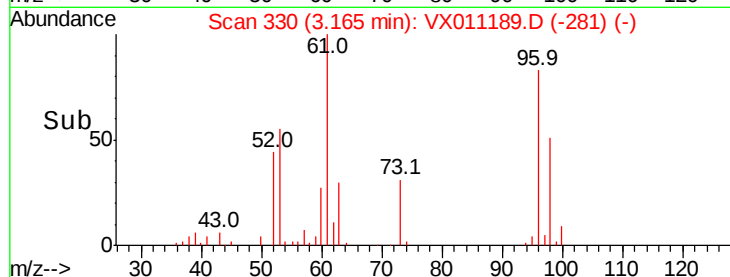
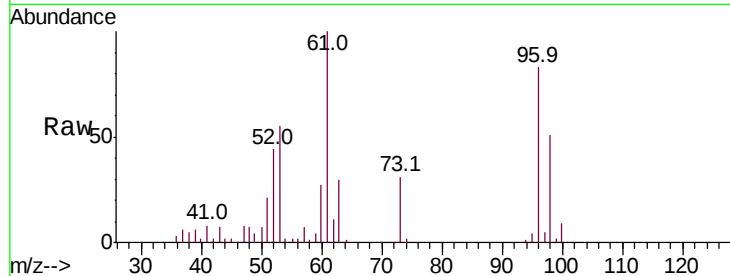
#21
trans-1,2-Dichloroethene
Concen: 18.659 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampled :
VX0730WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	120.9	104.2	156.2
98	62.0	52.2	78.4

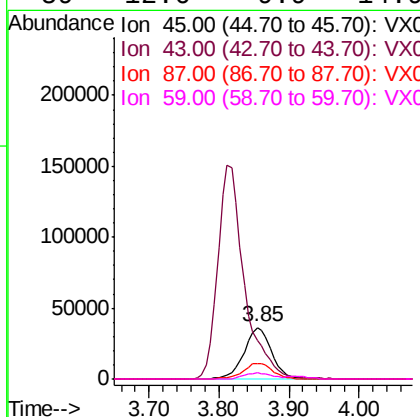
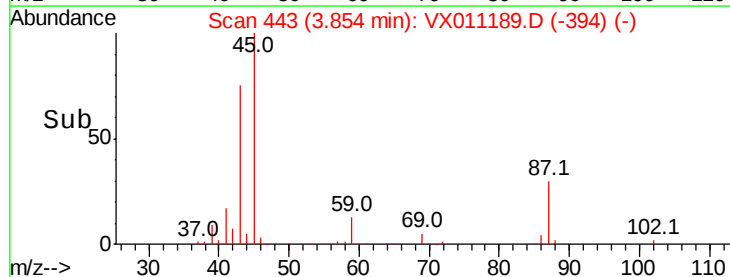
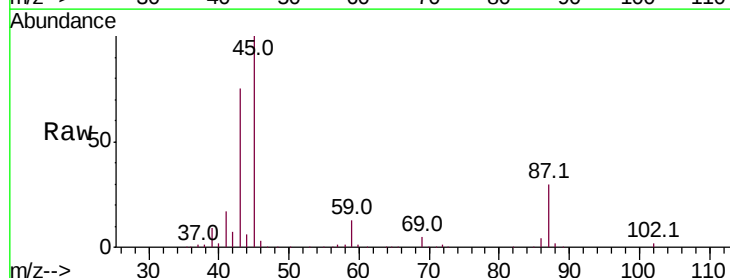
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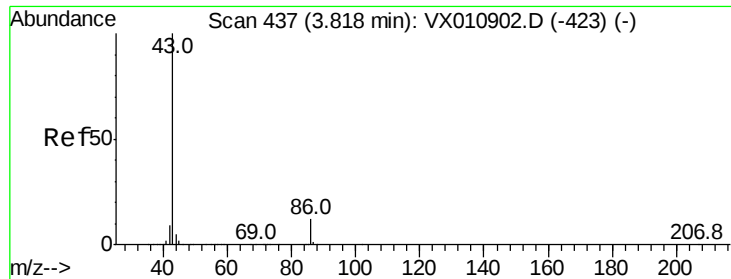
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#22
Diisopropyl ether
Concen: 20.512 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.5	62.3	93.5
87	30.0	25.0	37.4
59	12.6	9.9	14.9





#23

Vinyl Acetate

Concen: 98.606 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS01

Tot Ion: 43 Resp: 399326

Ion Ratio Lower Upper

43 100

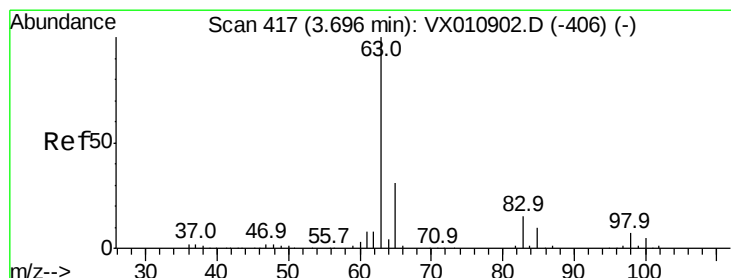
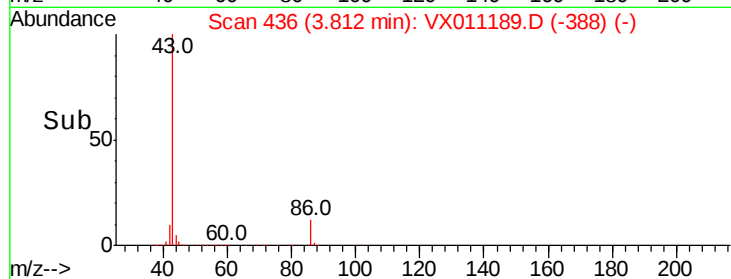
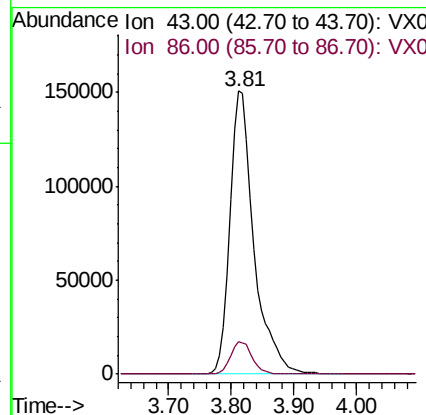
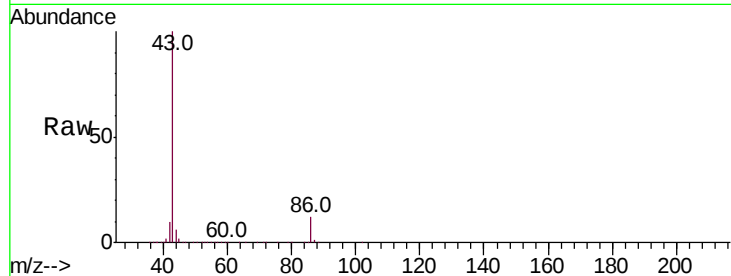
86 11.5 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 19.791 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

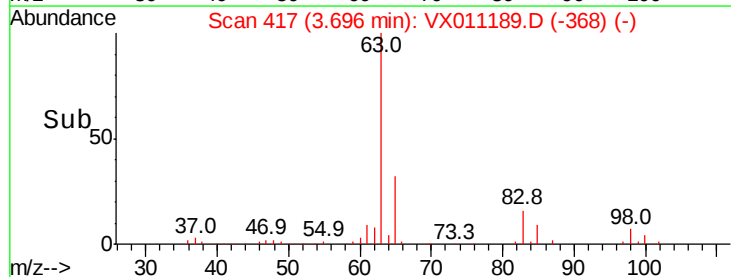
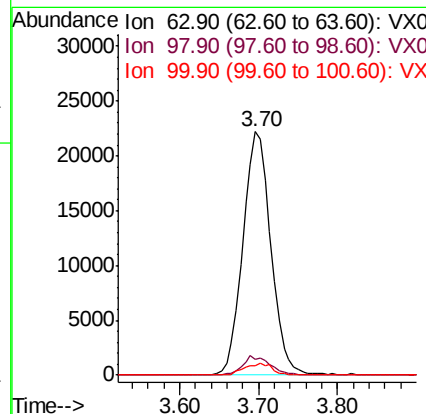
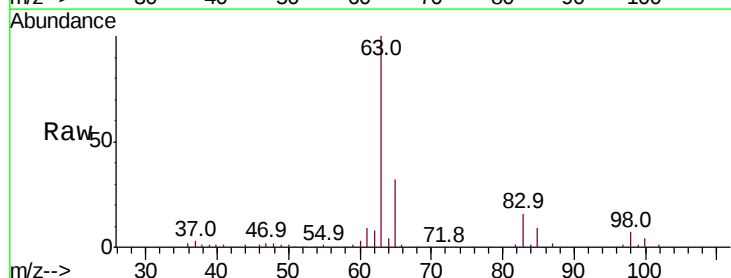
Tgt Ion: 63 Resp: 54935

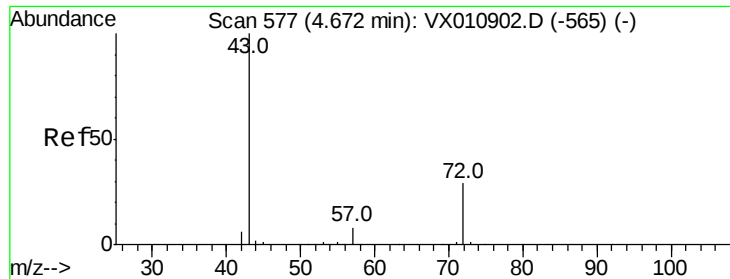
Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.9

100 3.9 2.4 7.2





#25

2-Butanone

Concen: 103.054 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS01

Tot Ion: 43 Resp: 124501

Ion Ratio Lower Upper

43 100

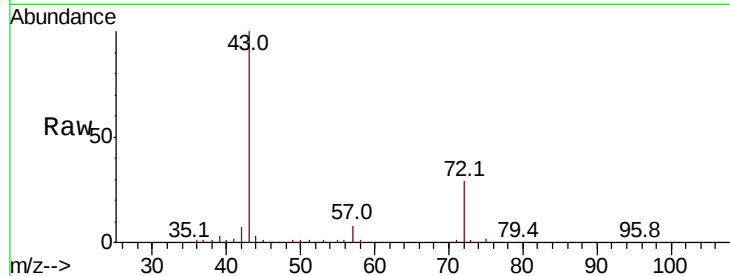
72 28.9 23.0 34.6

Manual Integrations

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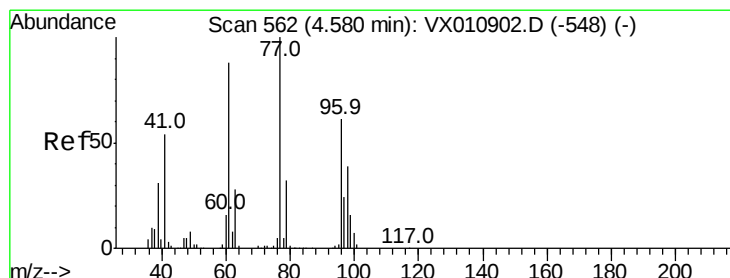
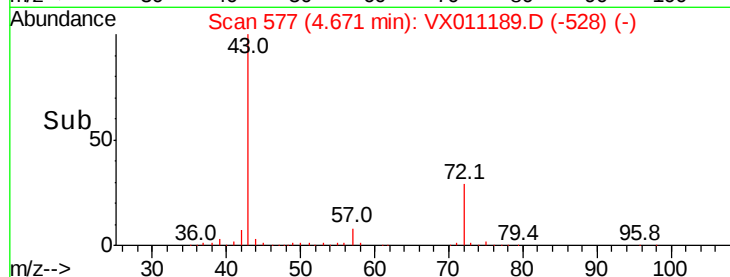
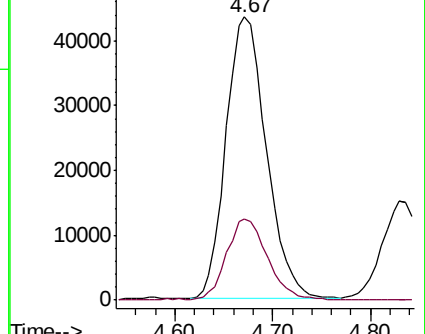
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.870 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX011189.D

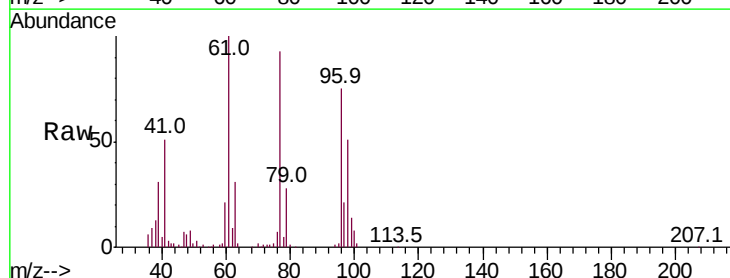
Acq: 30 Jul 2019 12:59

Tgt Ion: 77 Resp: 43007

Ion Ratio Lower Upper

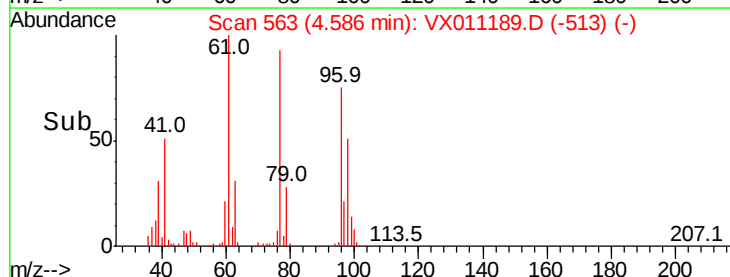
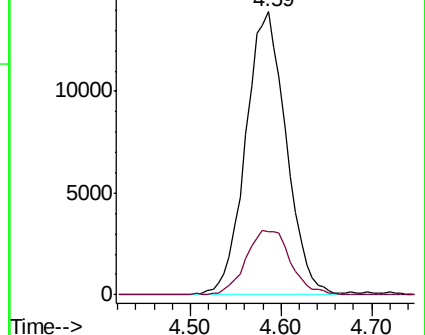
77 100

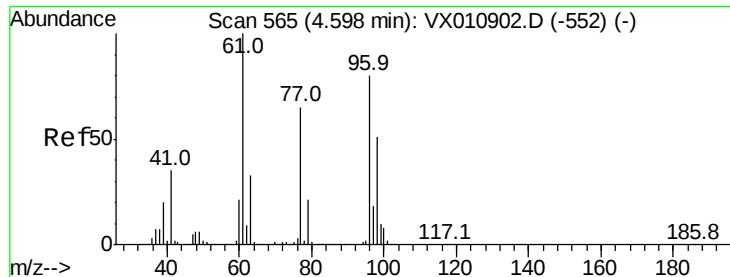
97 25.0 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

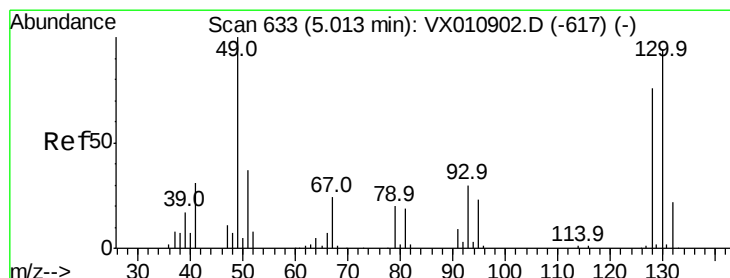
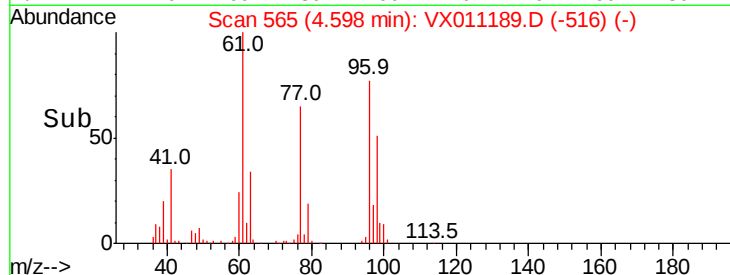
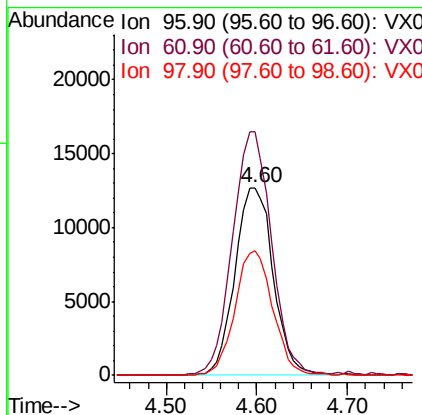
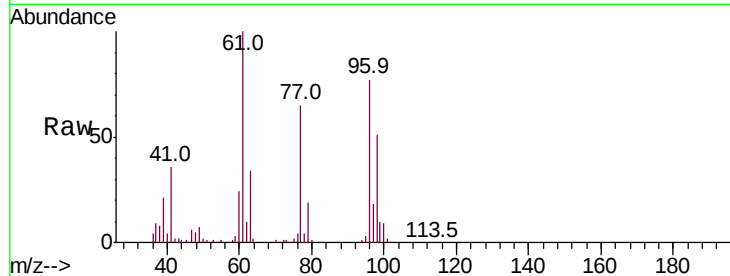
cis-1,2-Dichloroethene
 Concen: 19.435 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX011189.D
 Acq: 30 Jul 2019 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	37235		
61	132.4	0.0	269.0	
98	65.4	0.0	131.4	

Manual Integrations
 APPROVED

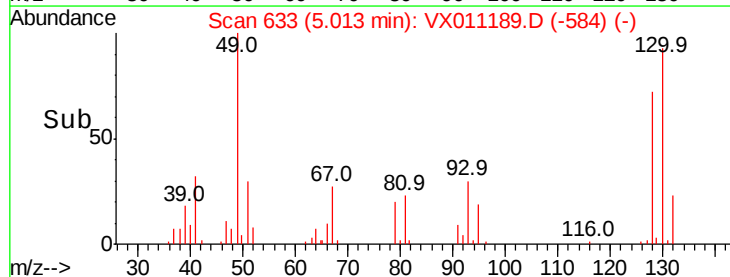
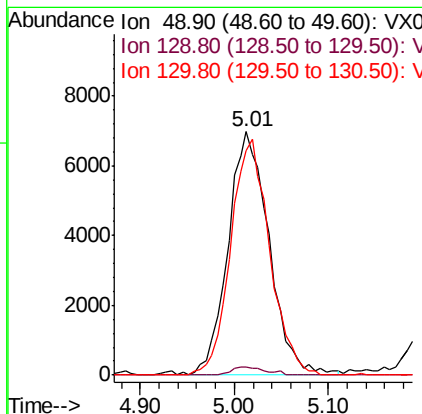
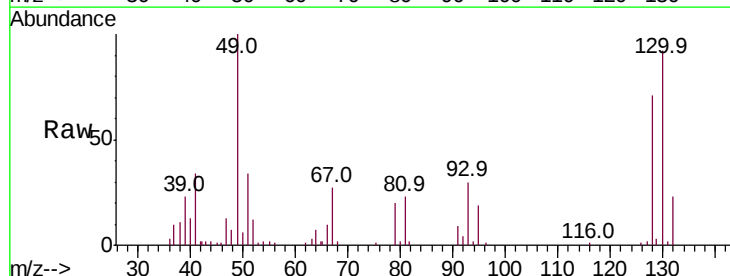
MMDadoda
 7/31/2019 10:53:44 AM

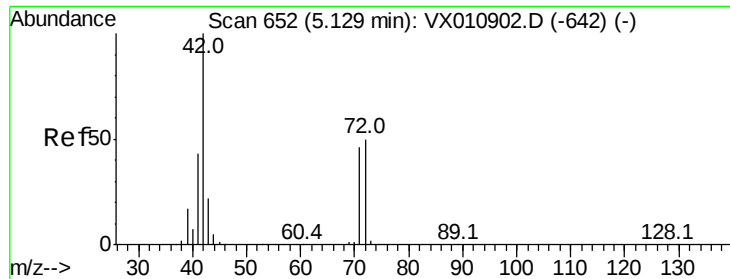


#28

Bromochloromethane
 Concen: 16.147 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX011189.D
 Acq: 30 Jul 2019 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	21121		
129	2.7	0.0	5.2	
130	92.4	76.9	115.3	





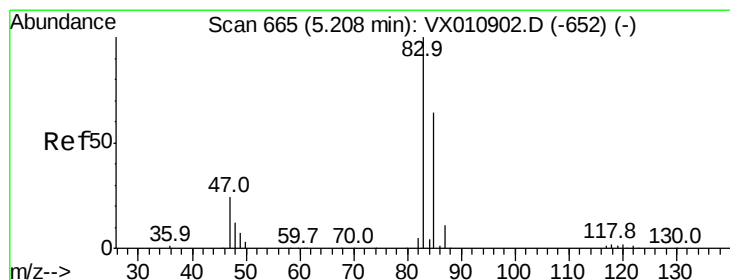
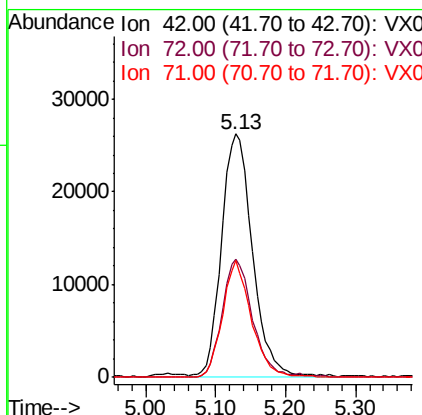
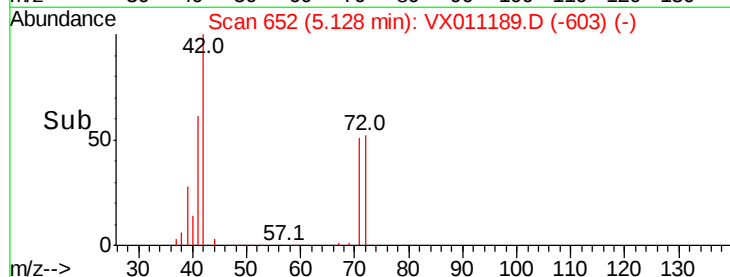
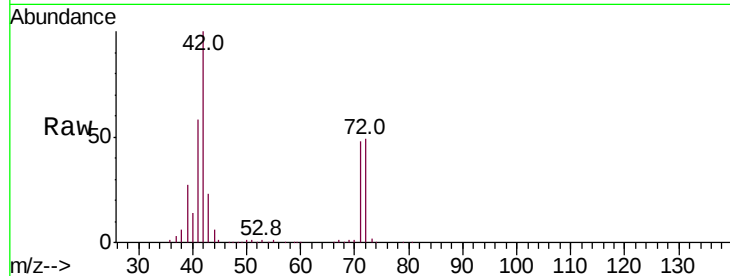
#29
Tetrahydrofuran
Concen: 105.346 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	39.8	59.8
71	44.5	37.0	55.4

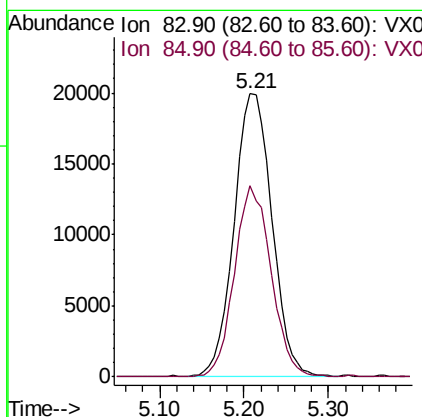
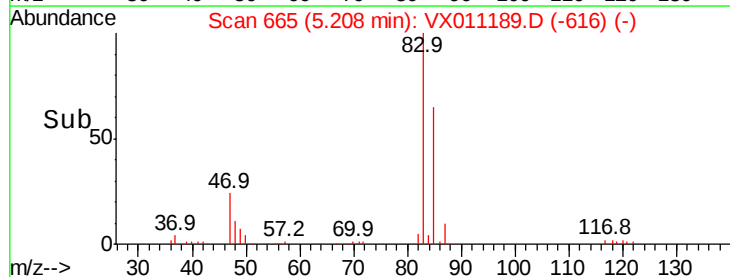
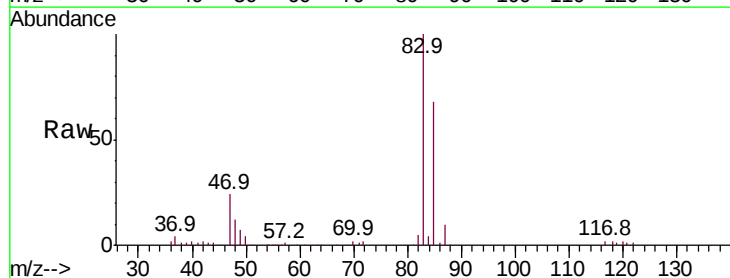
Manual Integrations
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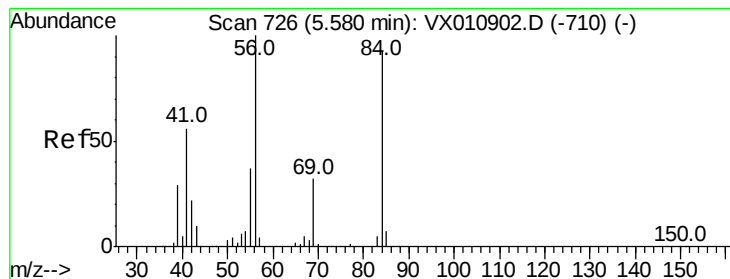
MMDadoda
7/31/2019 10:53:44 AM



#30
Chloroform
Concen: 20.314 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.4	77.0





#31

Cyclohexane

Concen: 18.305 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS01

Tot Ion: 56 Resp: 46314

Ion Ratio Lower Upper

56 100

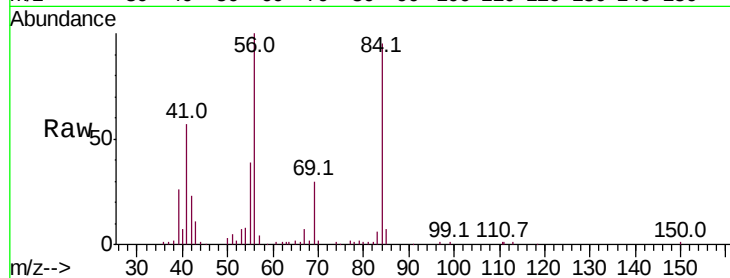
69 29.6 25.8 38.8

84 92.7 73.8 110.6

Manual Integrations
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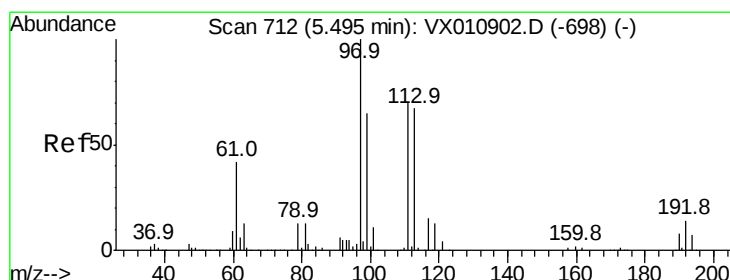
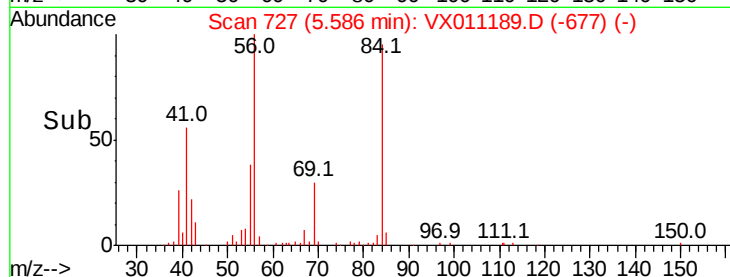
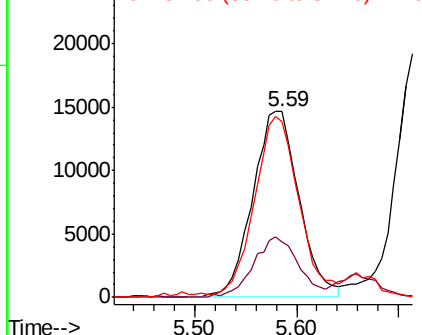


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.550 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

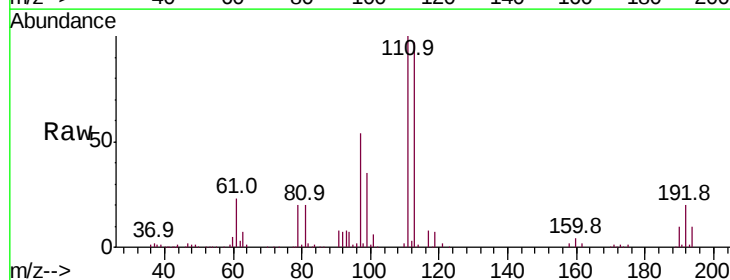
Tgt Ion: 97 Resp: 50747

Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.0

61 42.1 33.0 49.6

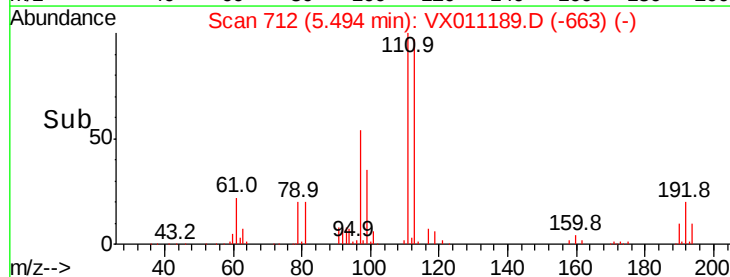
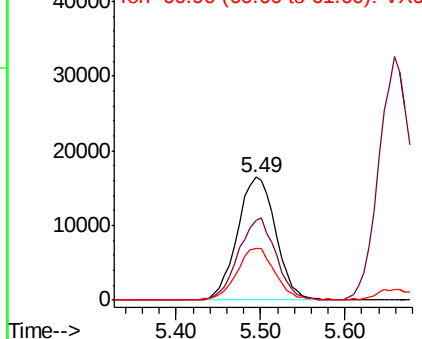


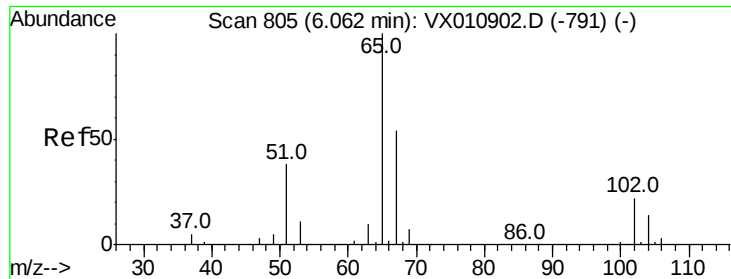
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





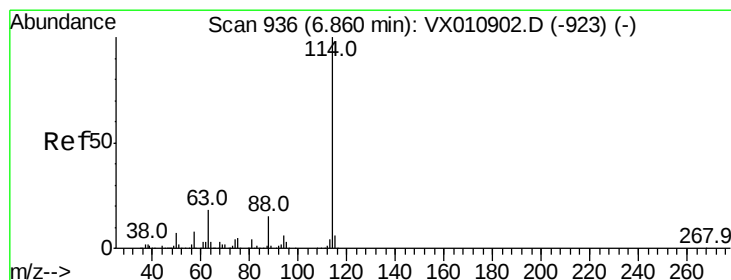
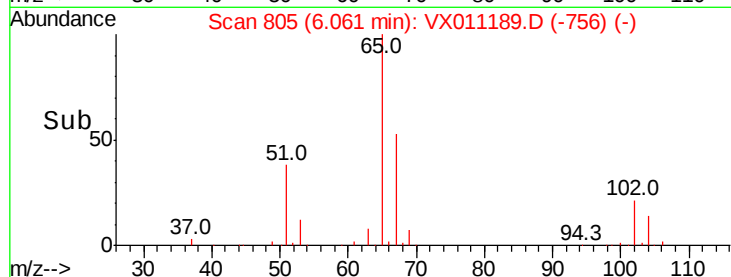
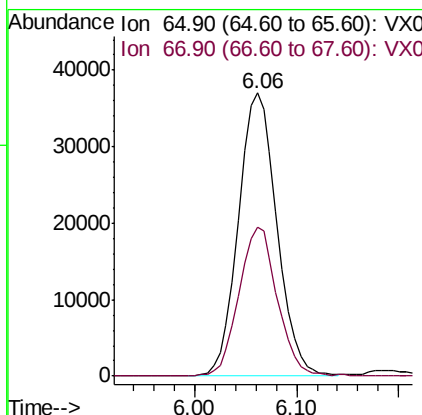
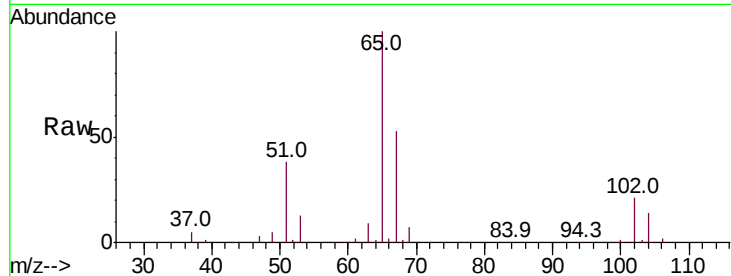
#33
 1,2-Dichloroethane-d4
 Concen: 52.107 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011189.D
 Acq: 30 Jul 2019 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	107.8

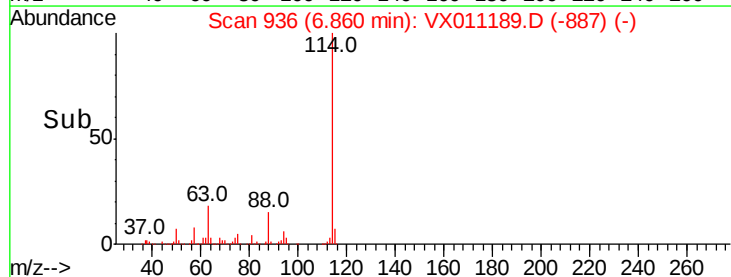
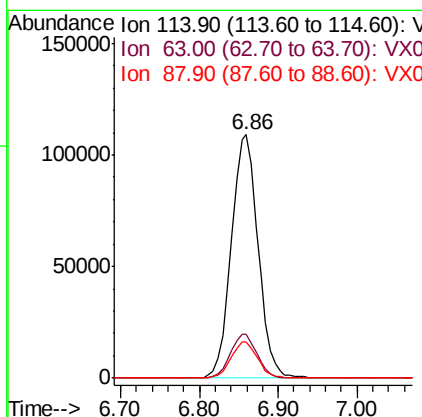
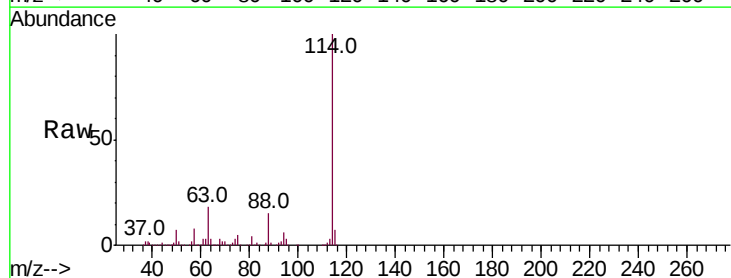
Manual Integrations
 APPROVED

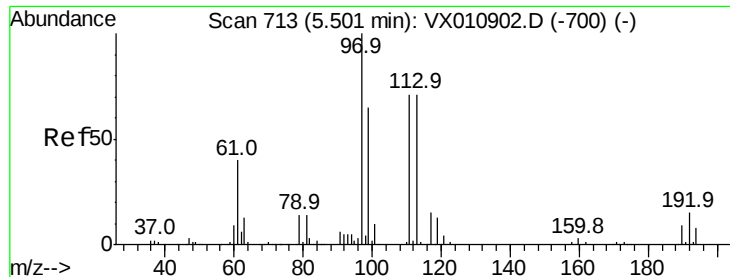
MMDadoda
 7/31/2019 10:53:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011189.D
 Acq: 30 Jul 2019 12:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	35.6
88	14.8	0.0	29.8





#35

Dibromofluoromethane

Concen: 53.435 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS01

Tot Ion:113 Resp: 87094

Ion Ratio Lower Upper

113 100

111 100.7 82.3 123.5

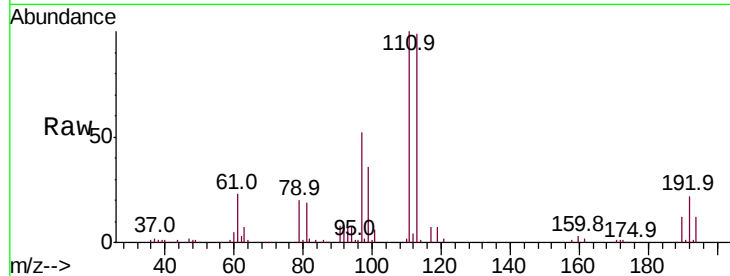
192 21.9 17.4 26.2

Manual Integrations

APPROVED

MMDadoda

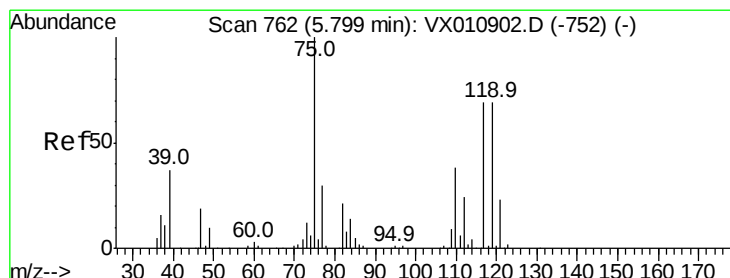
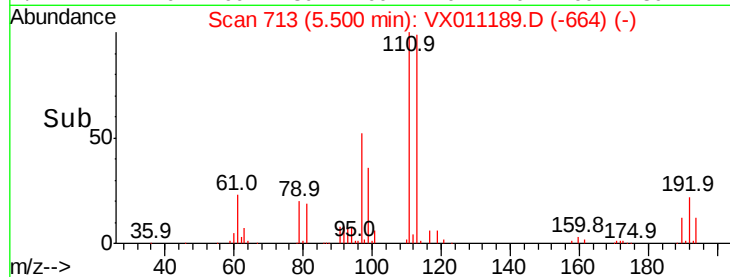
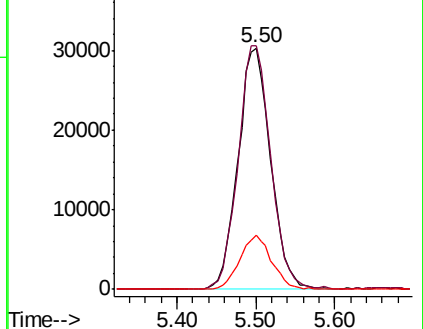
7/31/2019 10:53:44 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.598 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

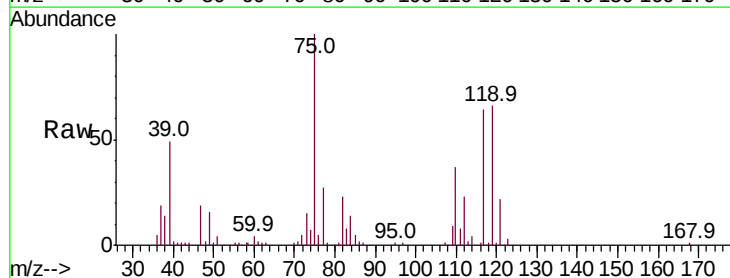
Tgt Ion: 75 Resp: 41339

Ion Ratio Lower Upper

75 100

110 38.5 19.9 59.7

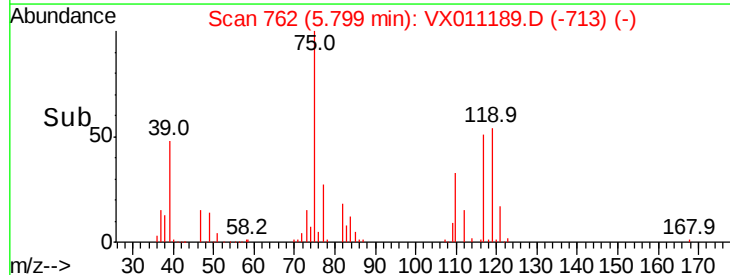
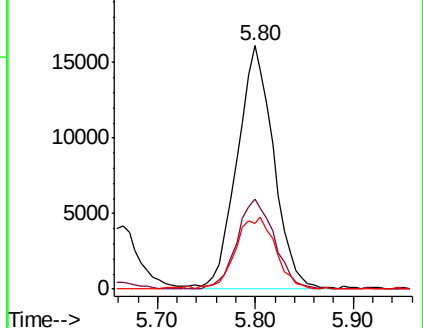
77 31.9 25.0 37.4

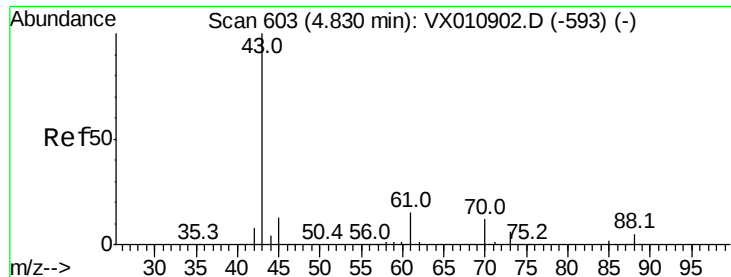


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





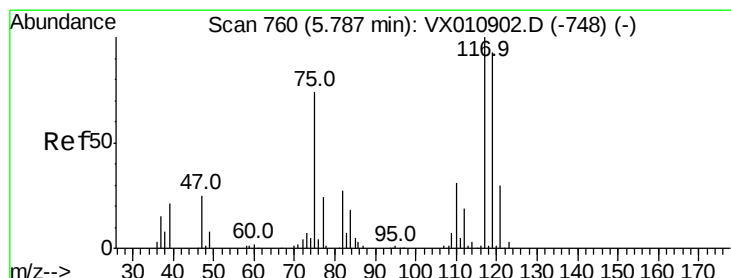
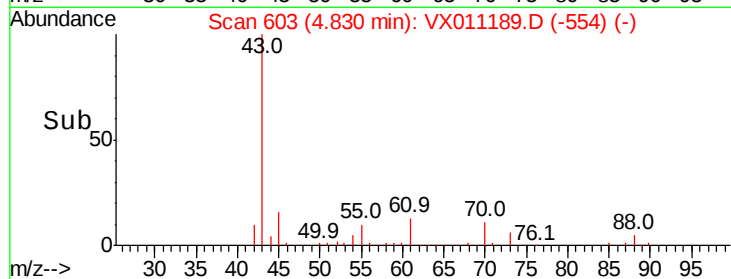
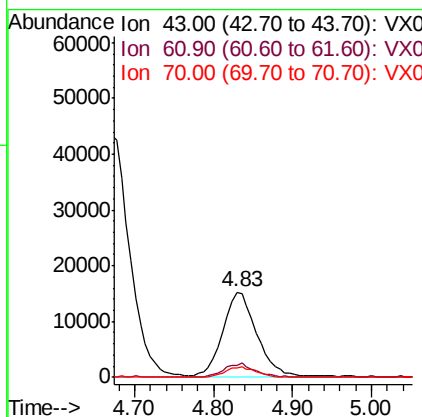
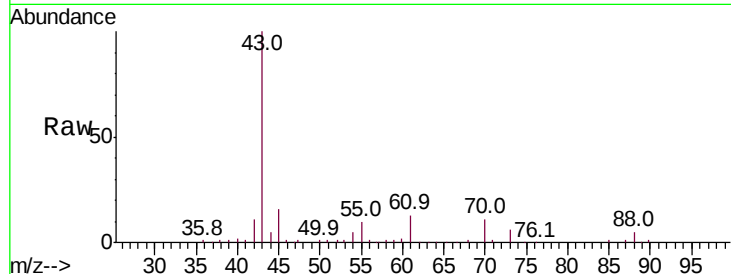
#37
Ethyl Acetate
Concen: 20.992 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.6	17.4
70	12.1	9.1	13.7

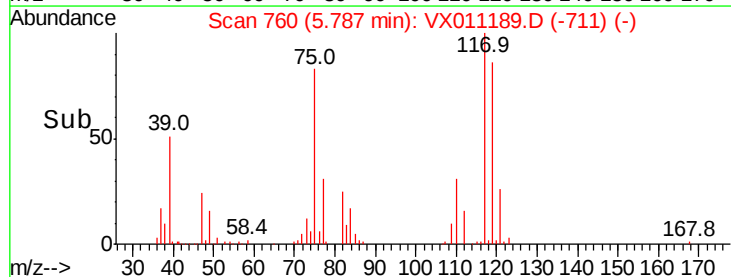
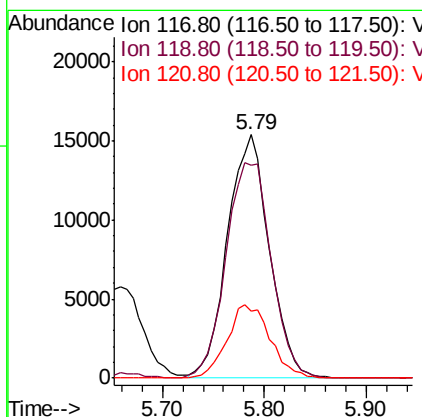
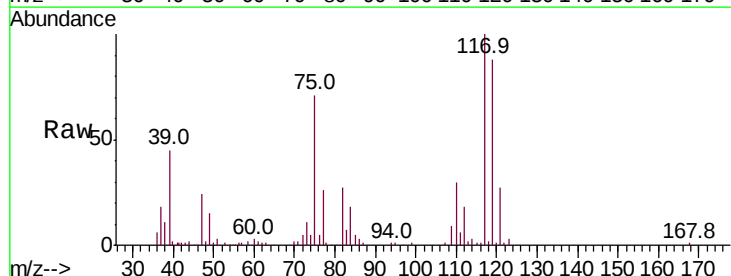
Manual Integrations
APPROVED

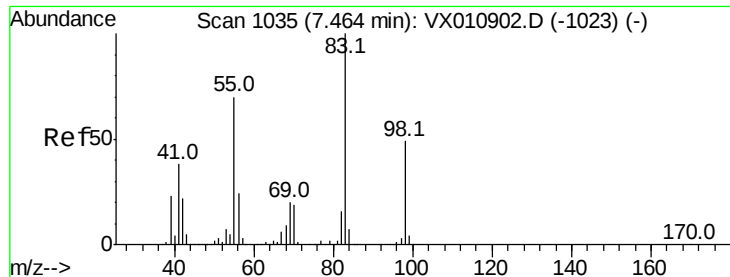
MMDadoda
7/31/2019 10:53:44 AM



#38
Carbon Tetrachloride
Concen: 19.920 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.7	74.2	111.2
121	27.4	24.2	36.2





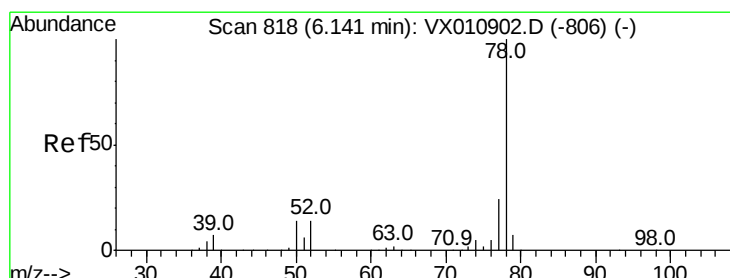
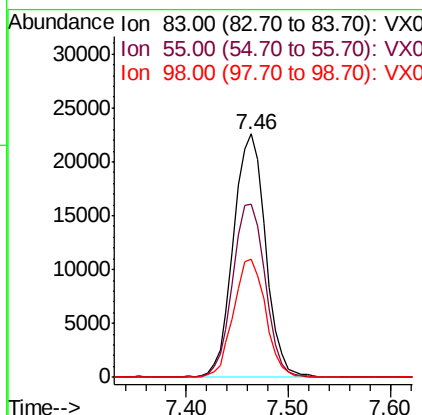
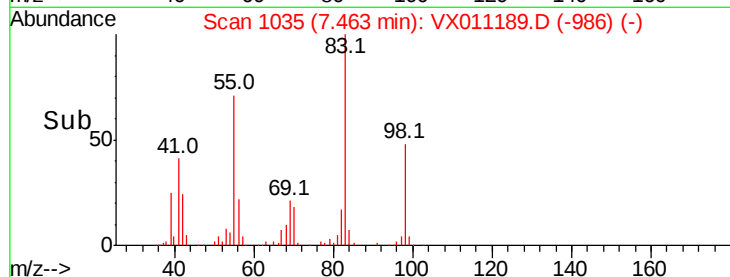
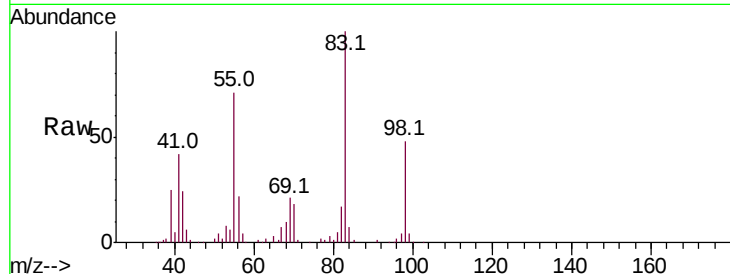
#39
Methvlcvclohexane
Concen: 18.036 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.1	56.2	84.4
98	48.4	39.0	58.4

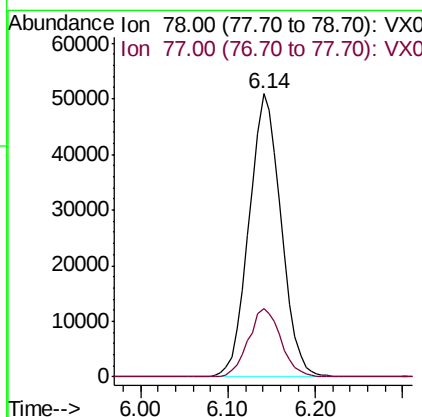
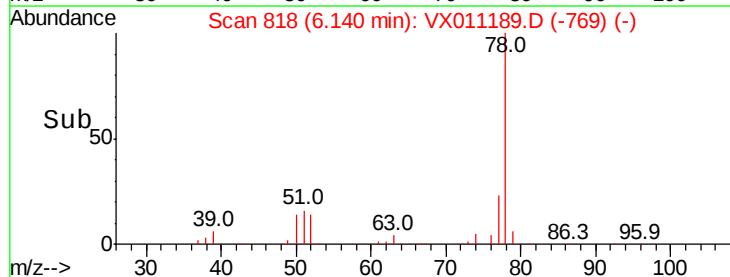
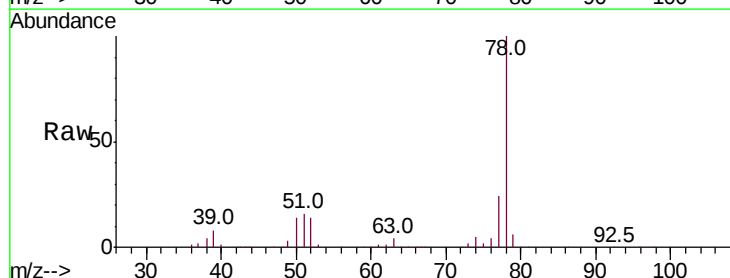
Manual Integrations
APPROVED

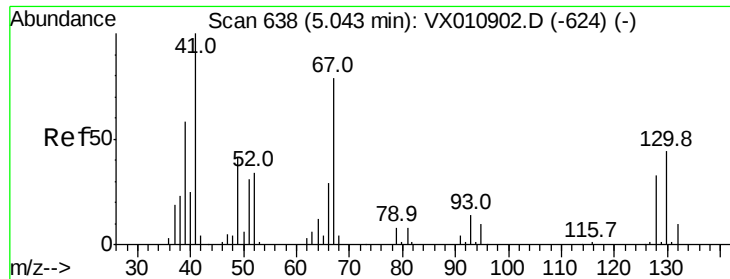
MMDadoda
7/31/2019 10:53:44 AM



#40
Benzene
Concen: 20.089 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





#41

Methacrylonitrile

Concen: 20.345 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

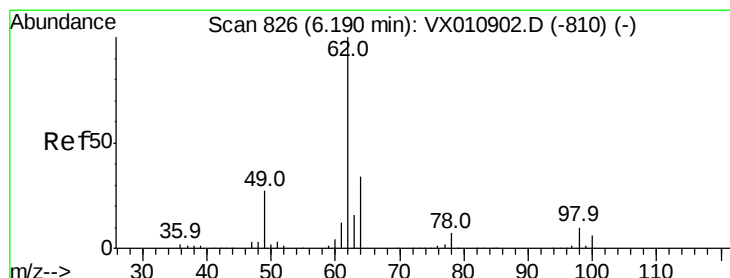
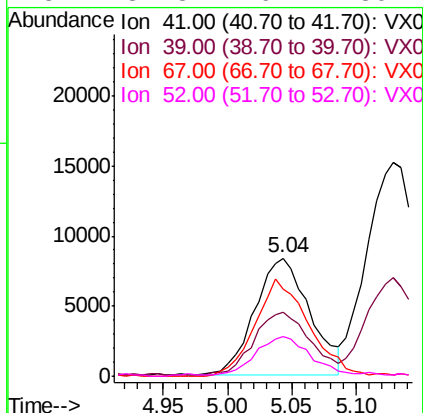
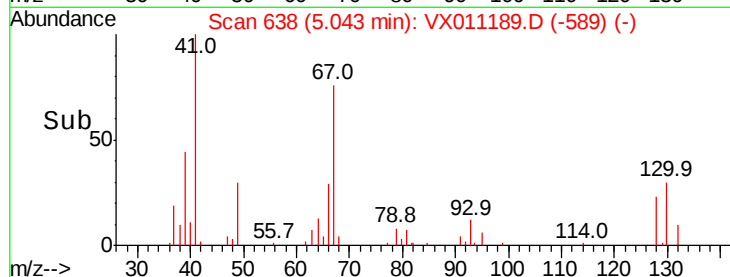
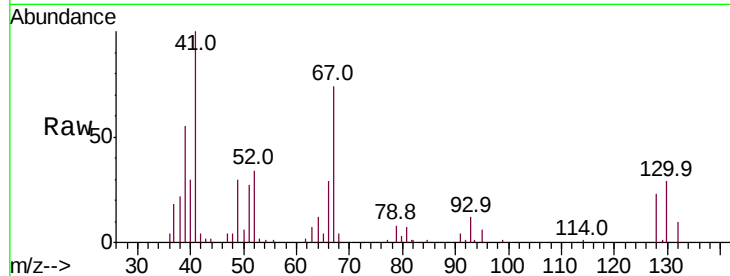
ClientSampleId :

VX0730WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	45.4	68.2	
67	81.1	65.9	98.9	
52	31.3	26.2	39.2	

Manual Integrations
APPROVED

MMDadoda
7/31/2019 10:53:44 AM



#42

1,2-Dichloroethane

Concen: 20.885 ug/l

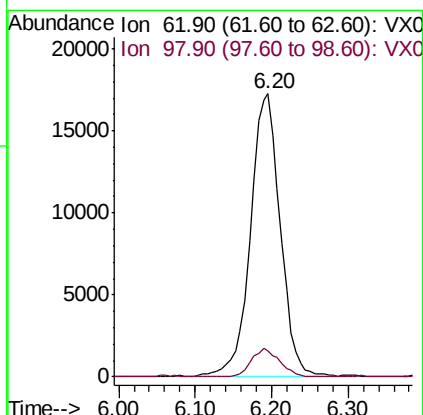
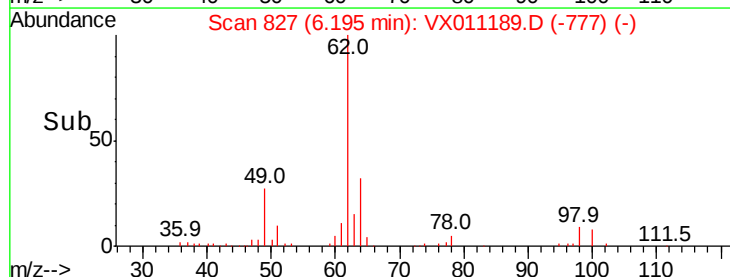
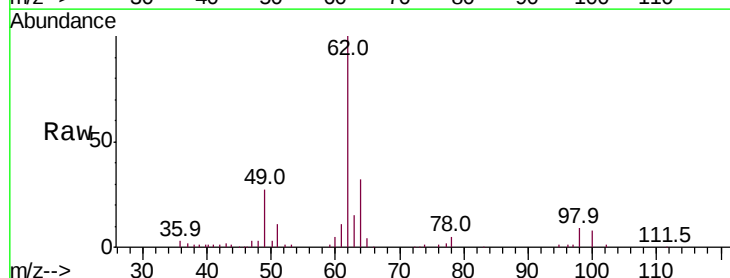
RT: 6.20 min Scan# 827

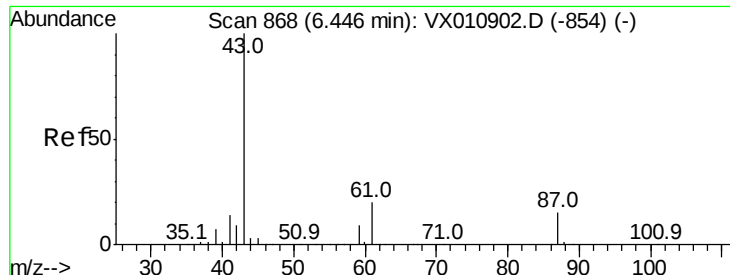
Delta R.T. 0.01 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	20.0	





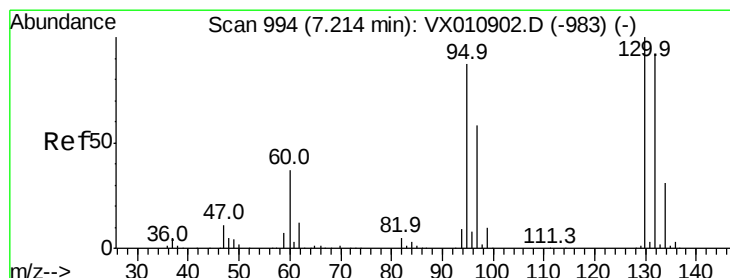
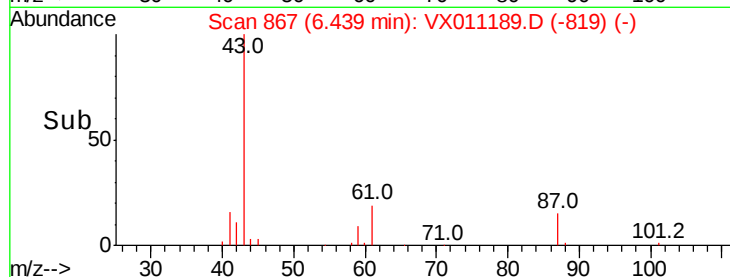
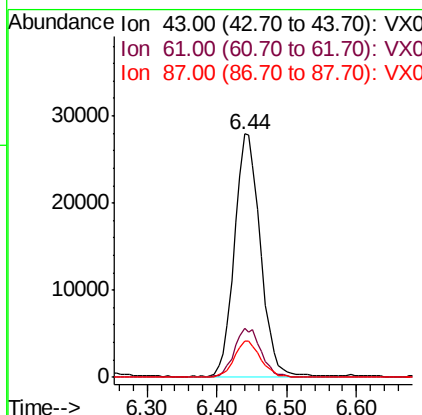
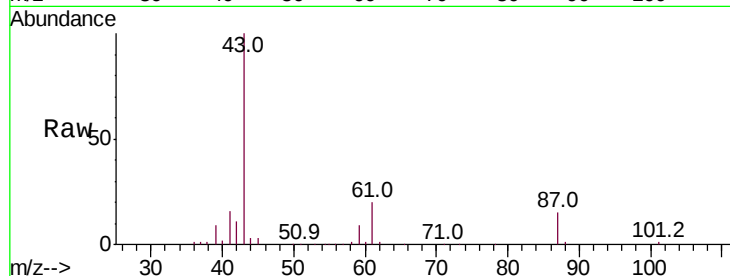
#43
Isopropyl Acetate
Concen: 20.158 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	17.1	25.7
87	15.1	12.0	18.0

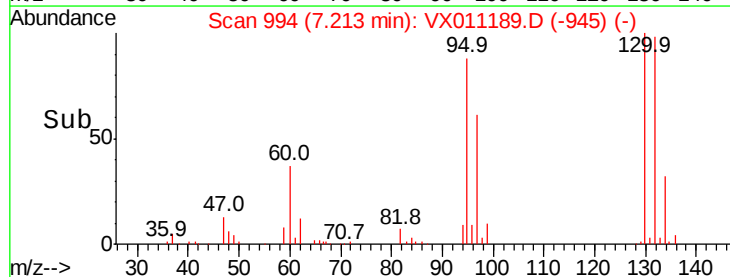
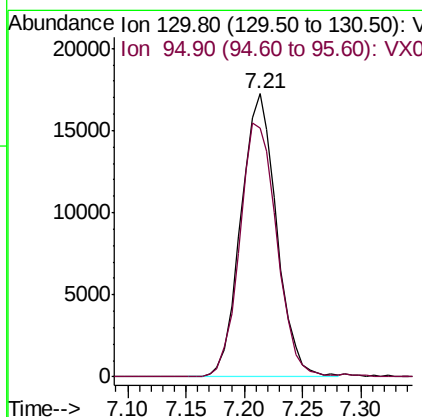
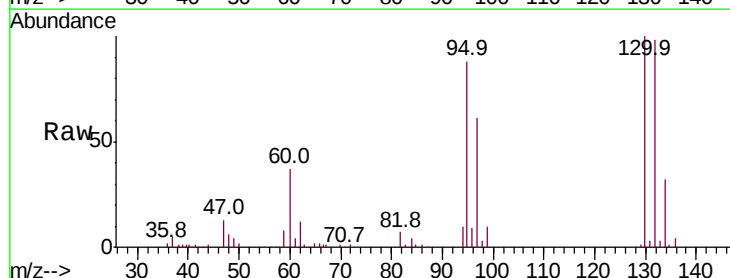
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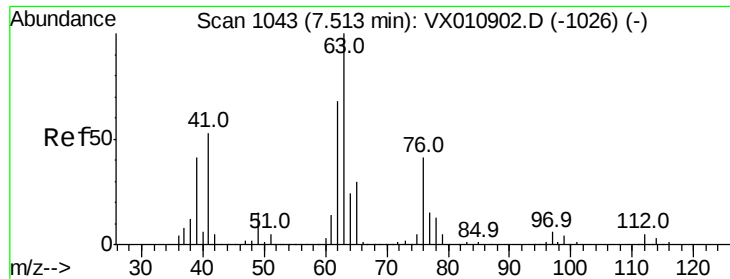
MMDadoda
7/31/2019 10:53:44 AM



#44
Trichloroethene
Concen: 19.263 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.1	0.0	174.8





#45

1,2-Dichloropropane

Concen: 20.445 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampled :

VX0730WBS01

Tot Ion: 63 Resp: 33622

Ion Ratio Lower Upper

63 100

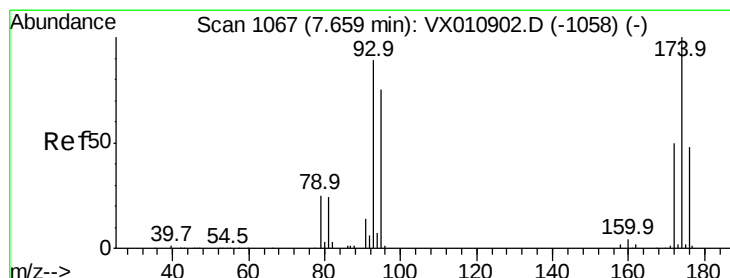
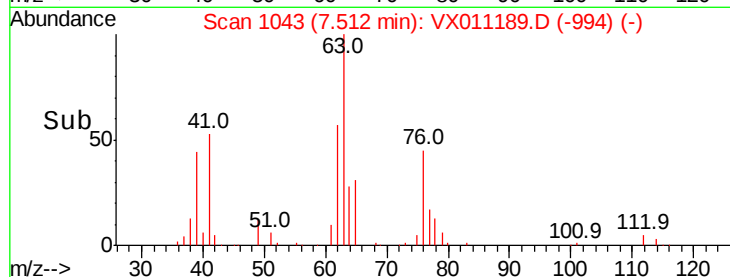
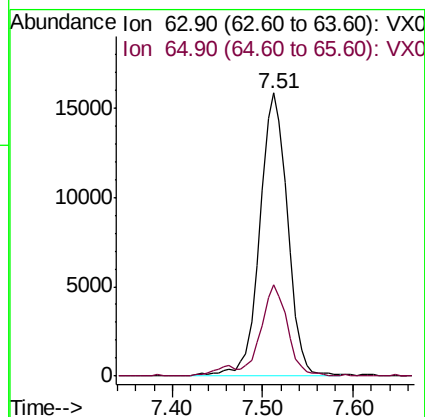
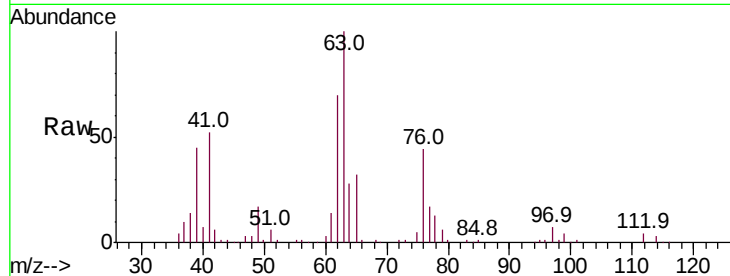
65 32.1 24.4 36.6

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#46

Dibromomethane

Concen: 20.365 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

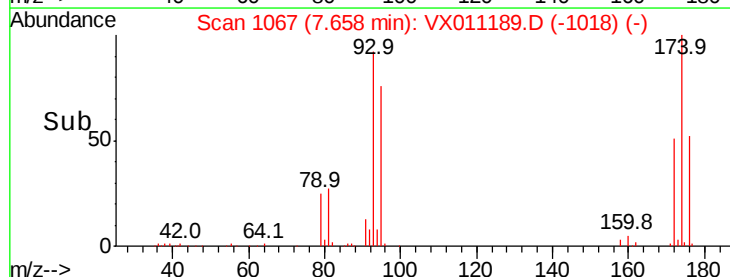
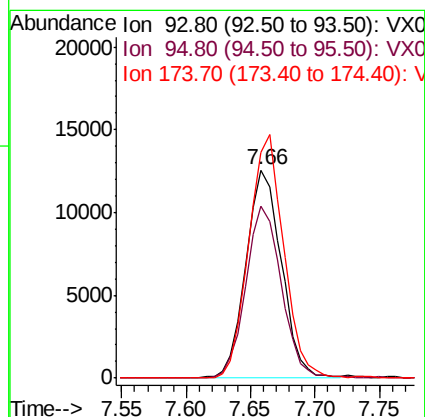
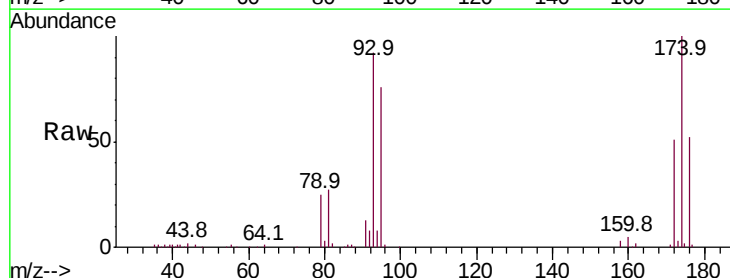
Tgt Ion: 93 Resp: 23931

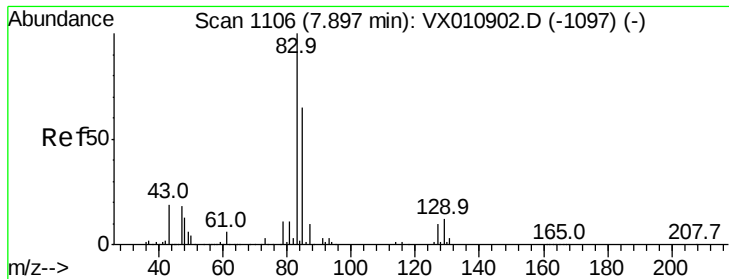
Ion Ratio Lower Upper

93 100

95 82.7 67.2 100.8

174 114.6 90.6 135.8





#47

Bromodichloromethane

Concen: 20.320 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

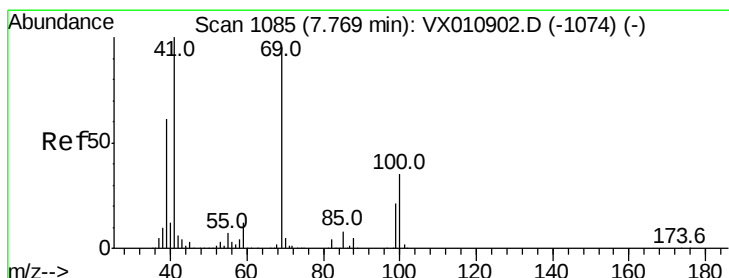
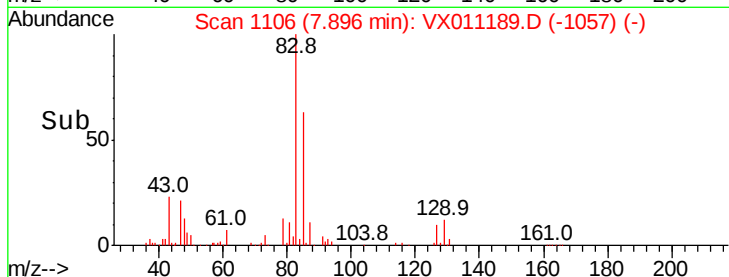
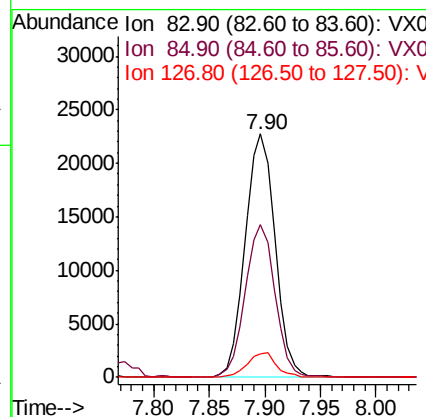
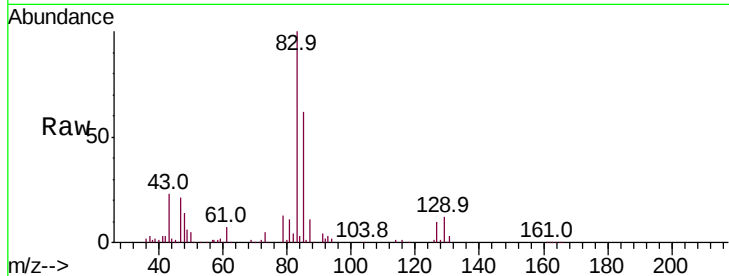
ClientSampleId :

VX0730WBS01

Tot Ion:	83	Resp:	42505
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.5	78.7
127	9.7	7.8	11.8

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#48

Methyl methacrylate

Concen: 20.663 ug/l

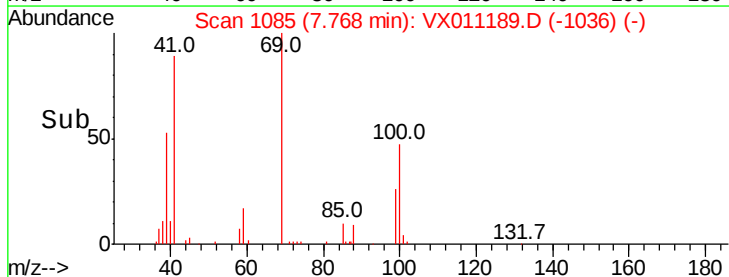
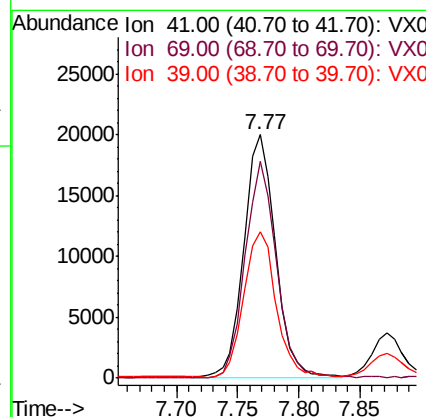
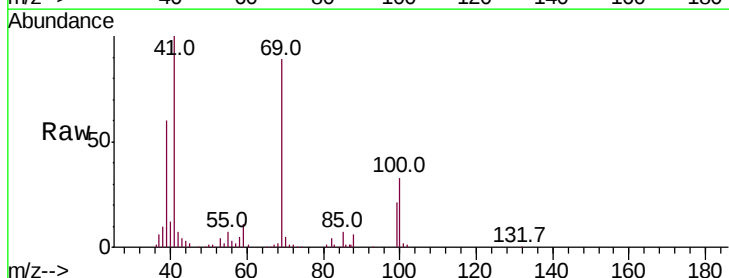
RT: 7.77 min Scan# 1085

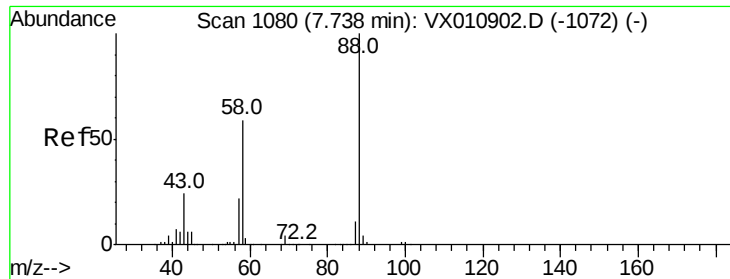
Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Tgt Ion:	41	Resp:	35749
Ion	Ratio	Lower	Upper
41	100		
69	89.0	74.4	111.6
39	62.8	48.9	73.3





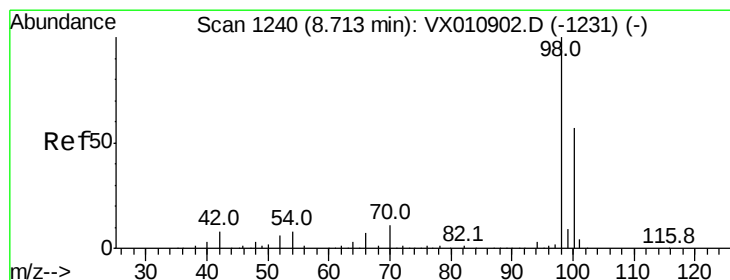
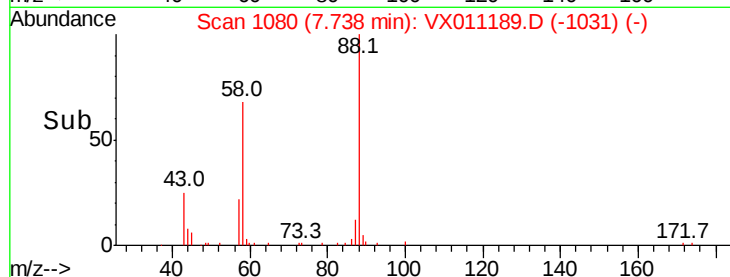
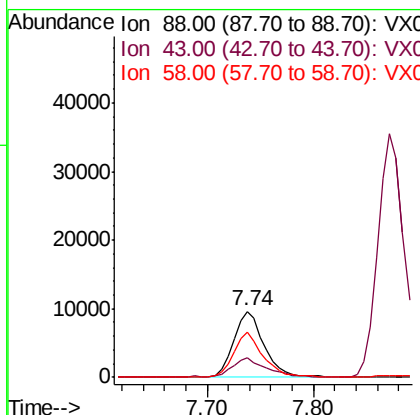
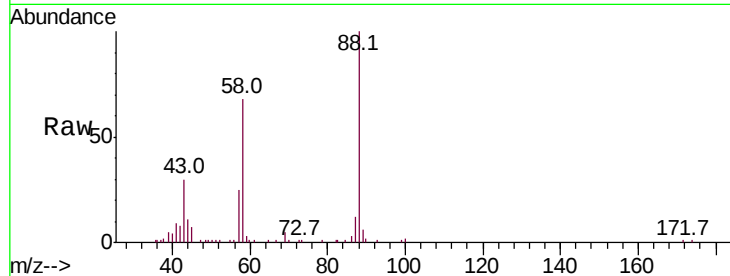
#49
1,4-Dioxane
Concen: 396.424 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	22.9	34.3#
58	66.1	49.8	74.8

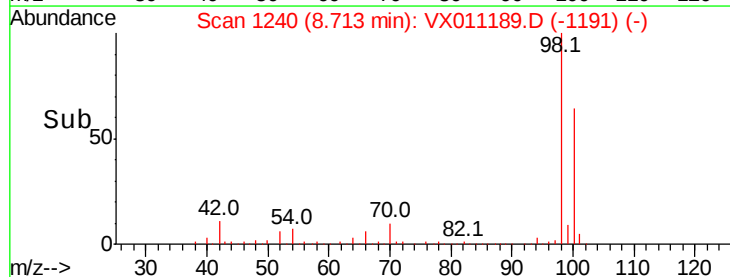
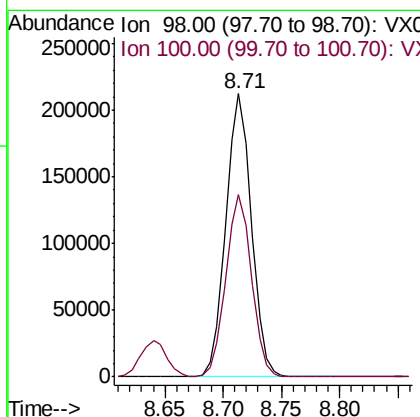
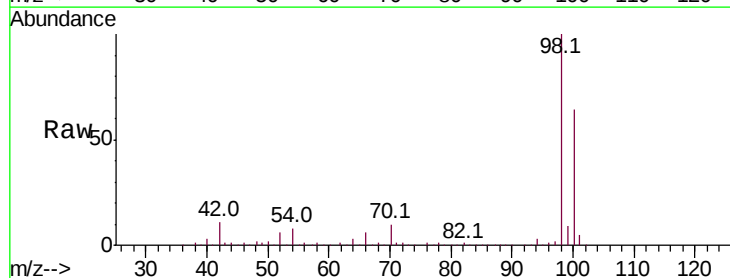
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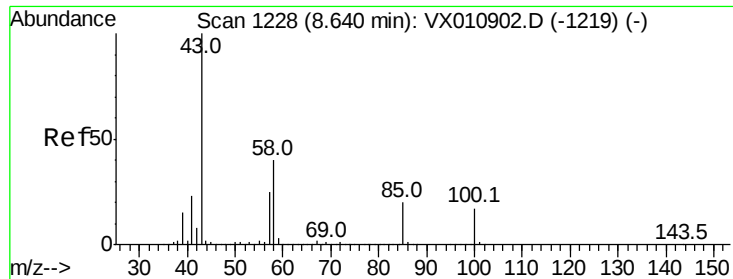
MMDadoda
7/31/2019 10:53:44 AM



#50
Toluene-d8
Concen: 52.880 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 108.647 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS01

Tot Ion: 43 Resp: 250129

Ion Ratio Lower Upper

43 100

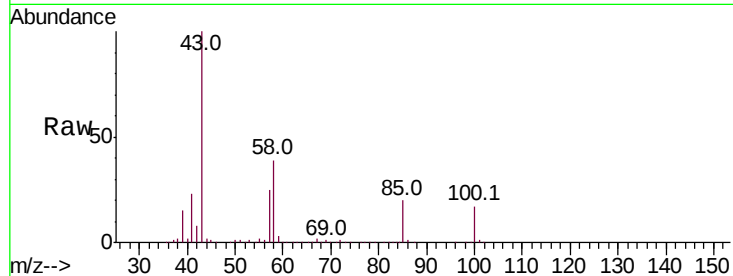
58 39.6 32.2 48.4

Manual Integrations

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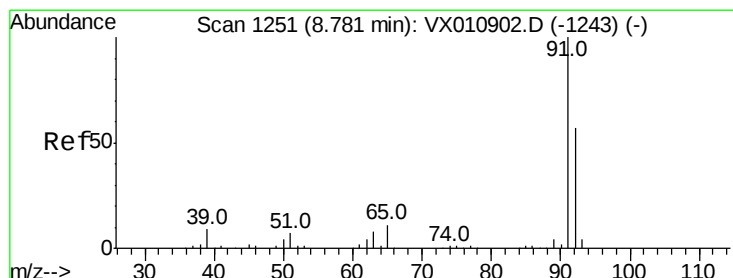
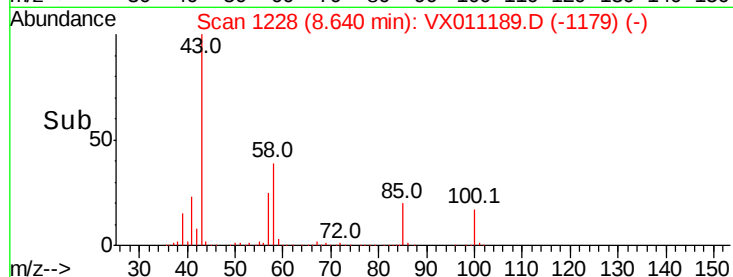
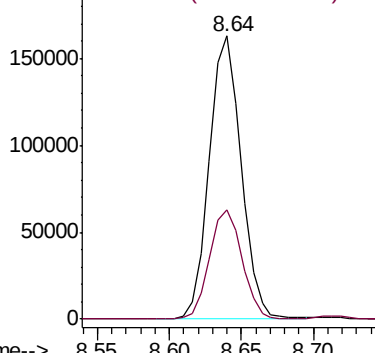
MMDadoda

7/31/2019 10:53:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.172 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011189.D

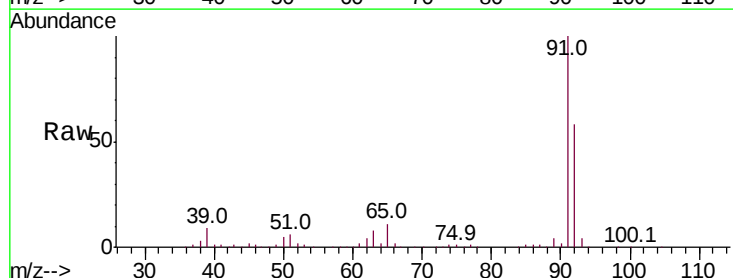
Acq: 30 Jul 2019 12:59

Tgt Ion: 92 Resp: 85621

Ion Ratio Lower Upper

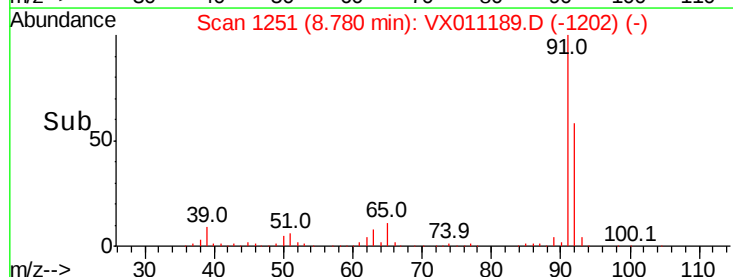
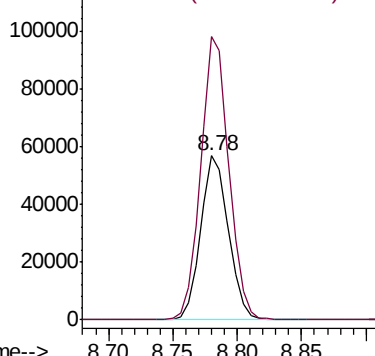
92 100

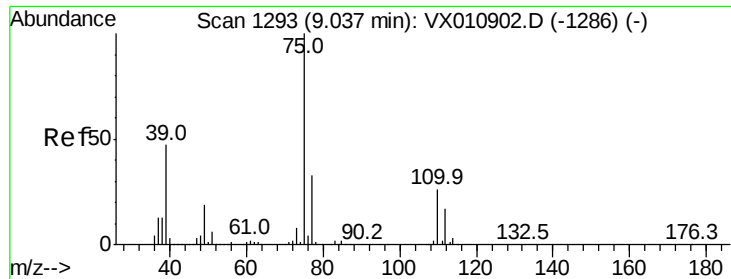
91 174.4 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





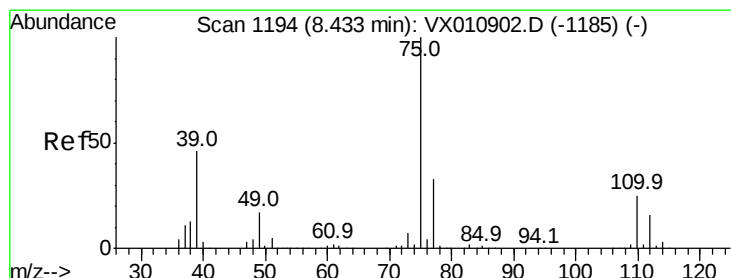
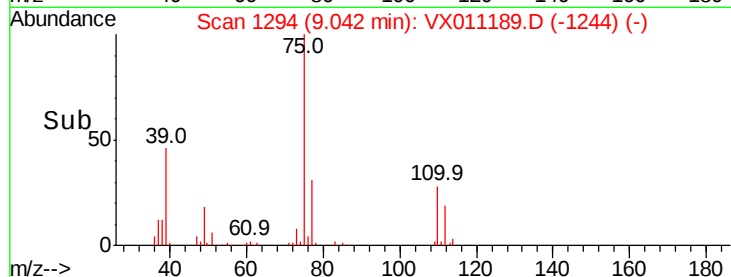
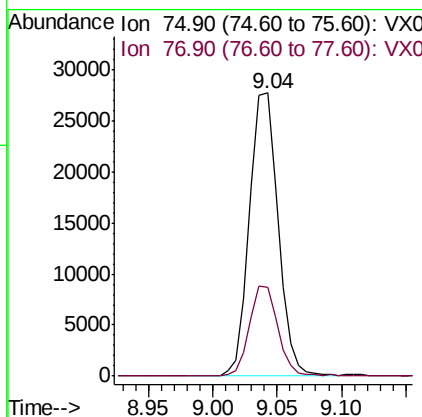
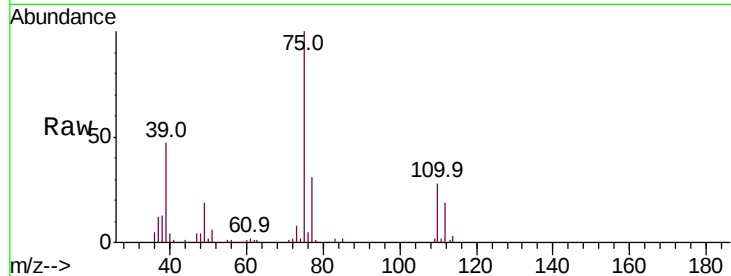
#53
t-1,3-Dichloropropene
Concen: 18.943 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS01

Tot Ion: 75 Resp: 42608
Ion Ratio Lower Upper
75 100
77 31.3 26.2 39.2

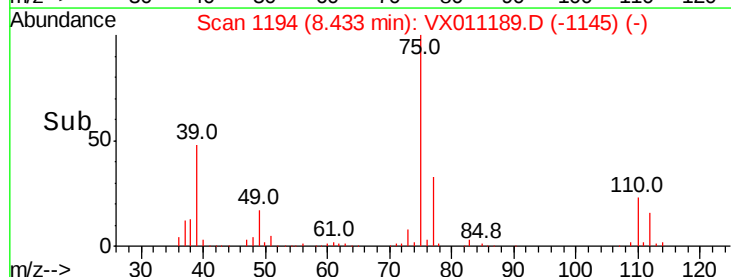
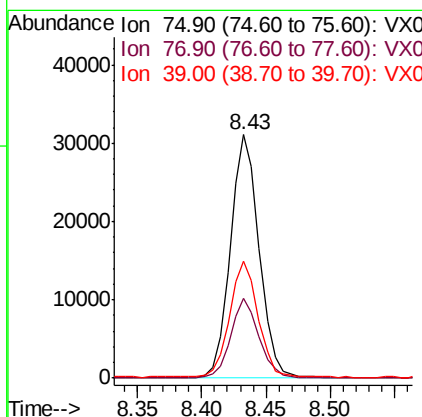
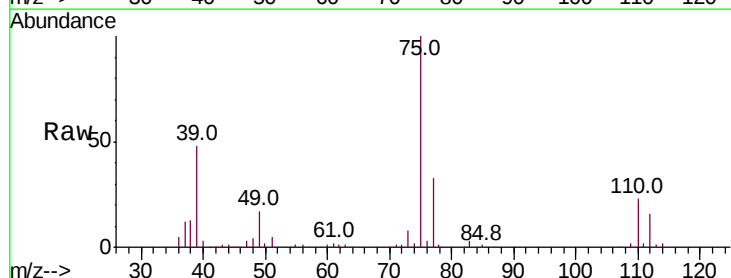
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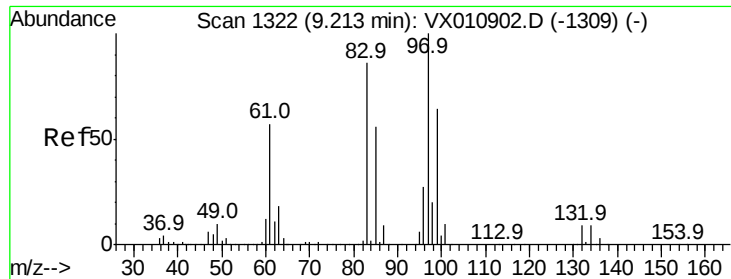
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.373 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion: 75 Resp: 48486
Ion Ratio Lower Upper
75 100
77 32.6 26.1 39.1
39 47.9 36.6 54.8





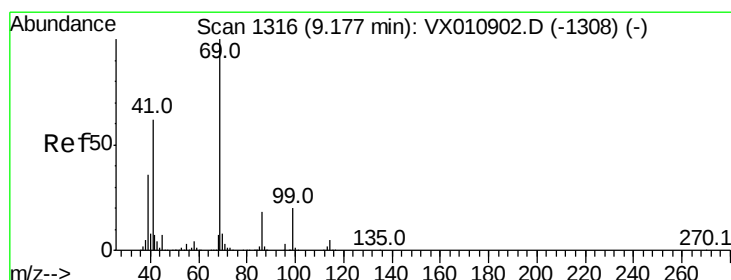
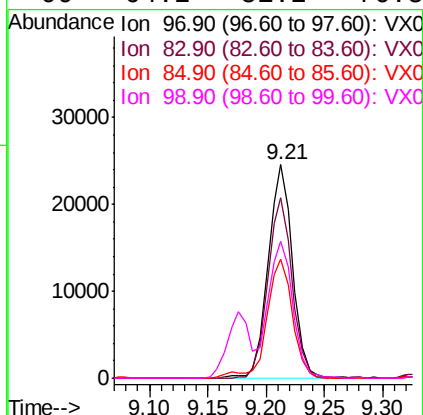
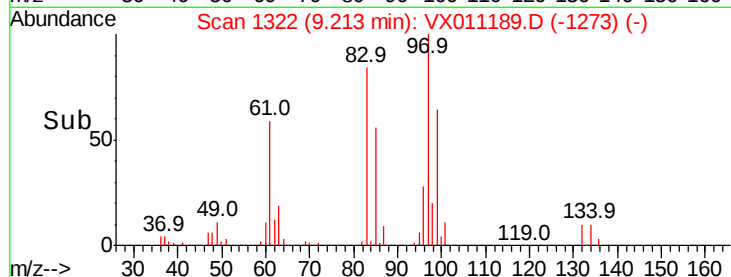
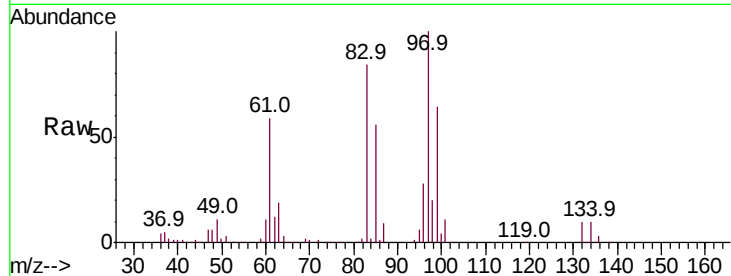
#55
 1,1,2-Trichloroethane
 Concen: 20.499 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011189.D
 Acq: 30 Jul 2019 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBS01

Tot Ion	97	Resp	35826
Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.2	103.8
85	55.8	44.6	66.8
99	64.2	51.2	76.8

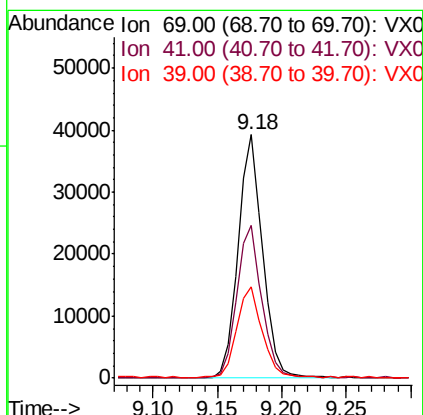
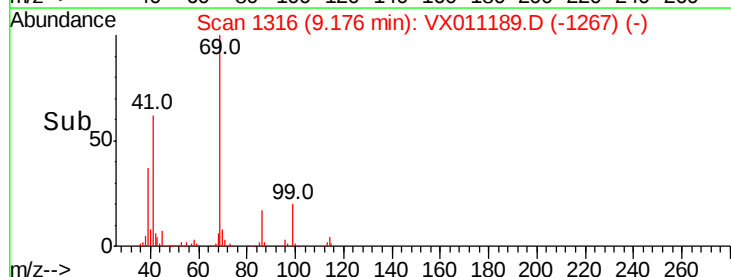
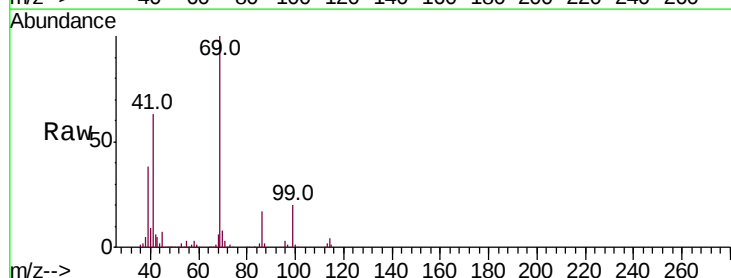
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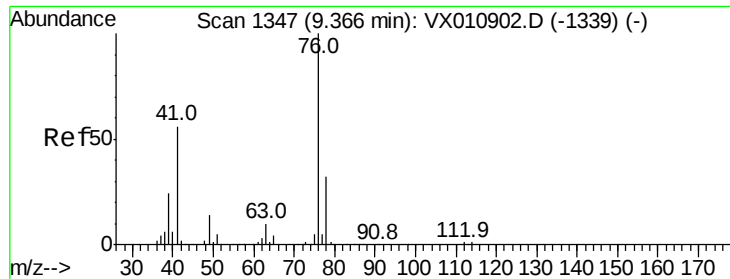
MMDadoda
 7/31/2019 10:53:44 AM



#56
 Ethyl methacrylate
 Concen: 20.227 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX011189.D
 Acq: 30 Jul 2019 12:59

Tgt Ion	69	Resp	51710
Ion	Ratio	Lower	Upper
69	100		
41	63.7	49.7	74.5
39	38.4	29.6	44.4





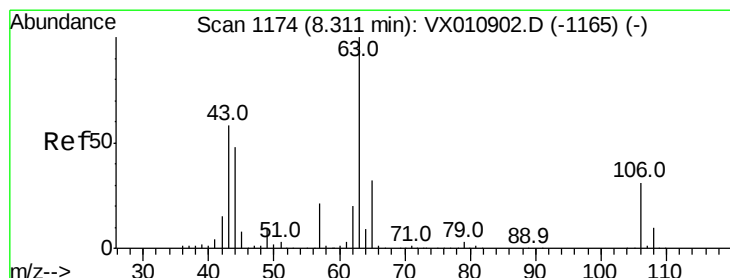
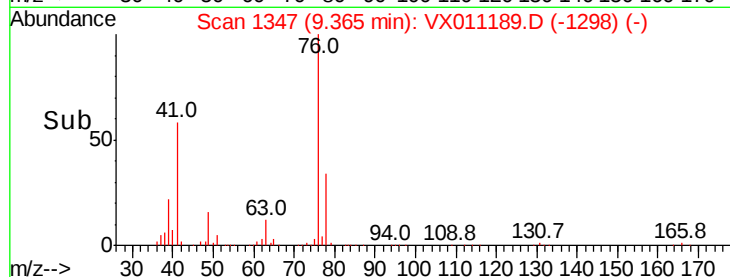
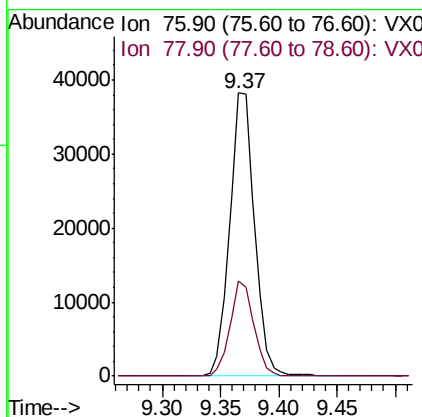
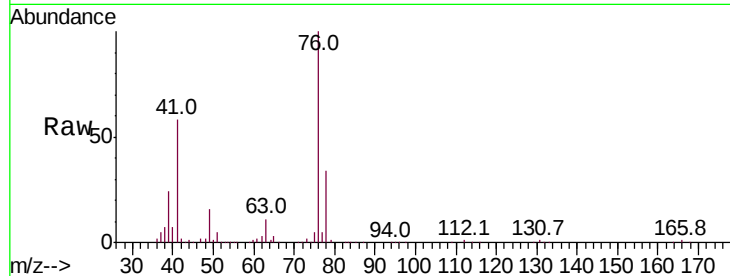
#57
 1,3-Dichloropropane
 Concen: 20.563 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VX011189.D
 Acq: 30 Jul 2019 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBS01

Tot Ion: 76 Resp: 57010
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4

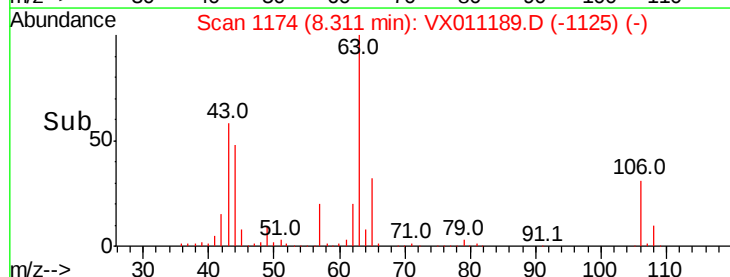
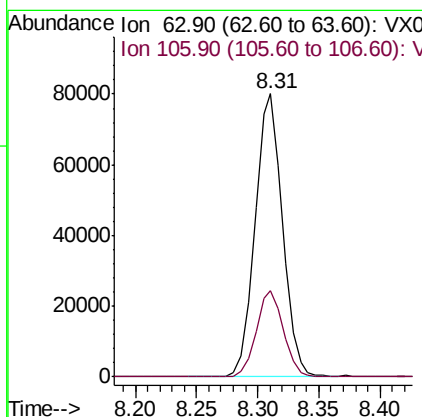
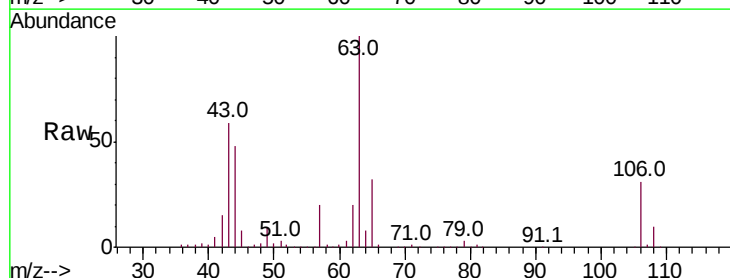
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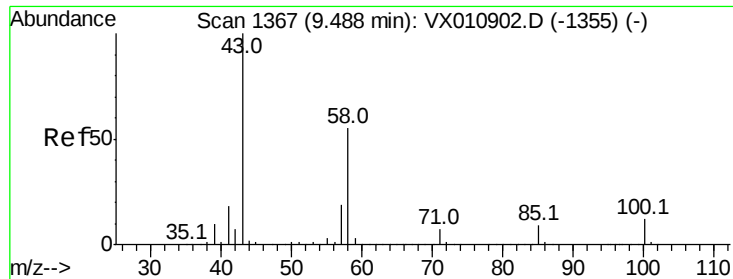
MMDadoda
 7/31/2019 10:53:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.457 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX011189.D
 Acq: 30 Jul 2019 12:59

Tgt Ion: 63 Resp: 125034
 Ion Ratio Lower Upper
 63 100
 106 30.2 24.0 36.0





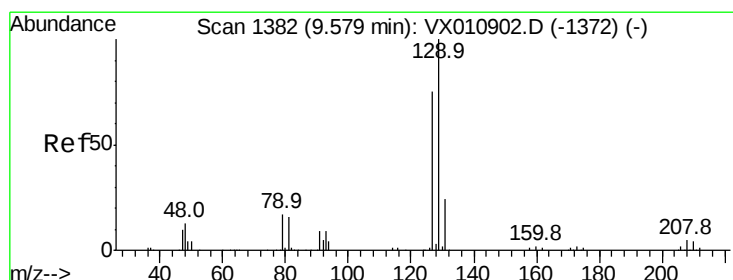
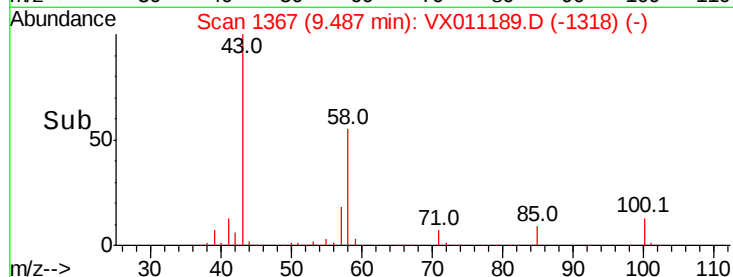
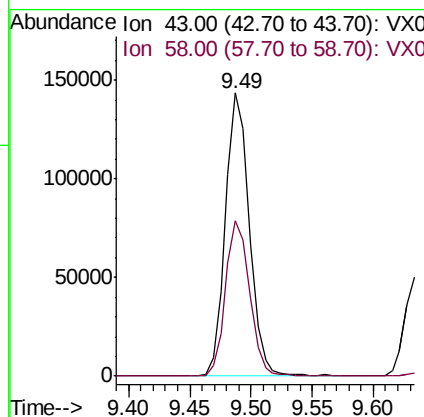
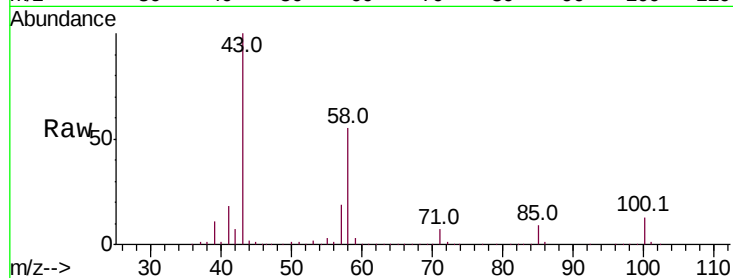
#59
2-Hexanone
Concen: 108.943 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS01

Tot Ion: 43 Resp: 194533
Ion Ratio Lower Upper
43 100
58 55.8 28.0 83.9

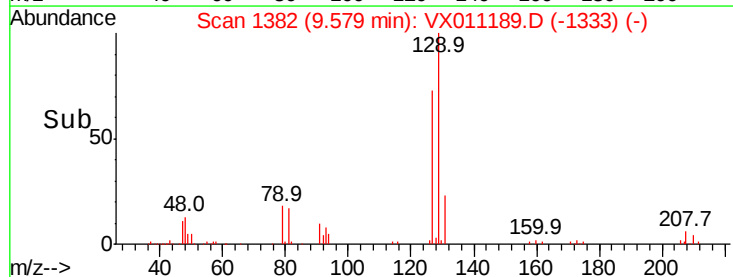
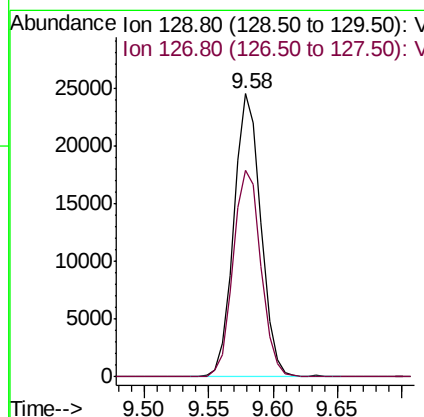
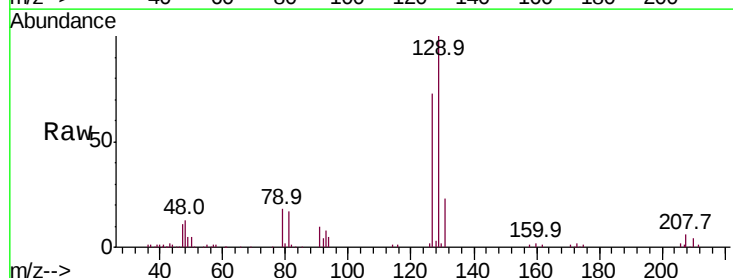
Manual Integrations
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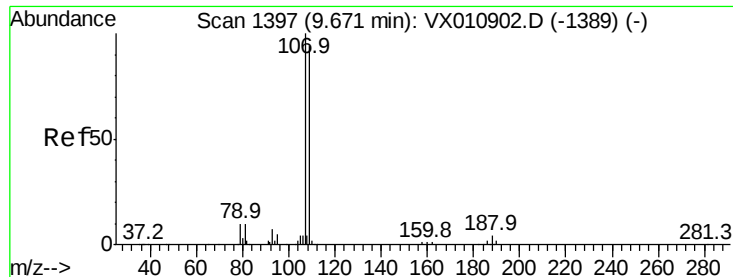
MMDadoda
7/31/2019 10:53:44 AM



#60
Dibromochloromethane
Concen: 19.464 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion: 129 Resp: 35879
Ion Ratio Lower Upper
129 100
127 75.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.304 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS01

Tot Ion:107 Resp: 37659

Ion Ratio Lower Upper

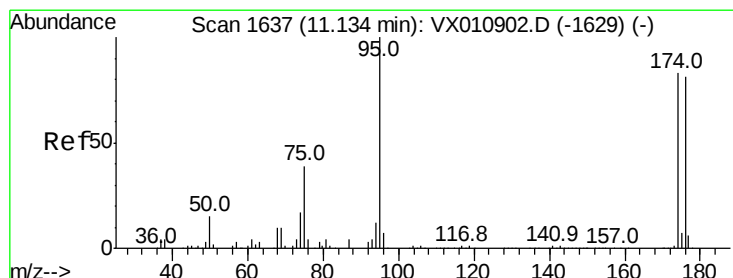
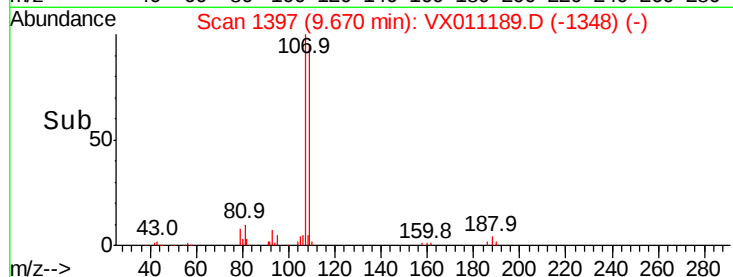
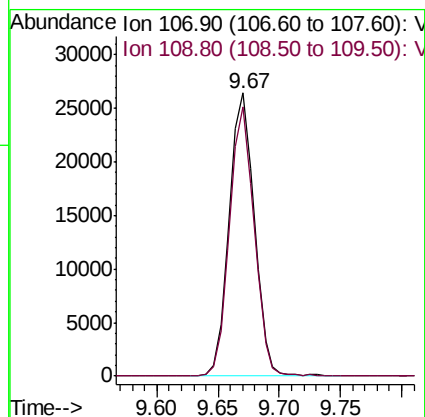
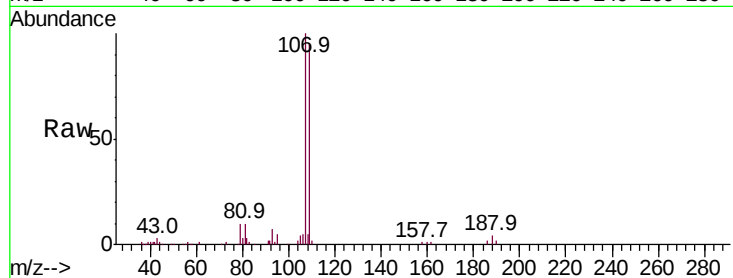
107 100

109 93.3 75.4 113.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 52.719 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

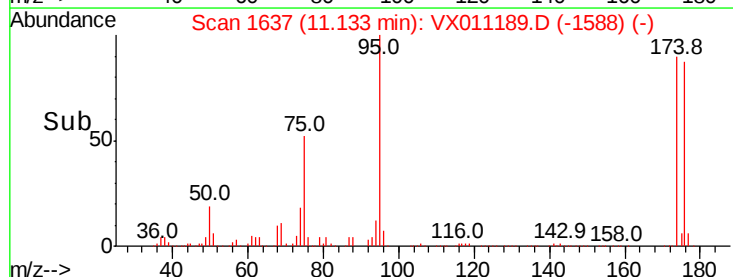
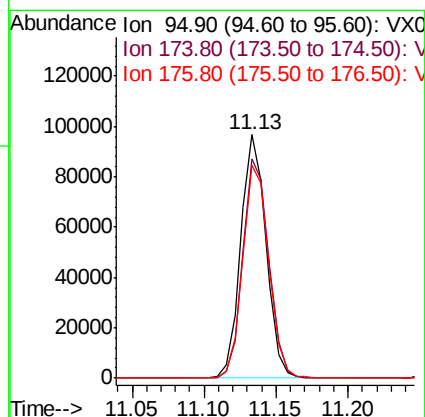
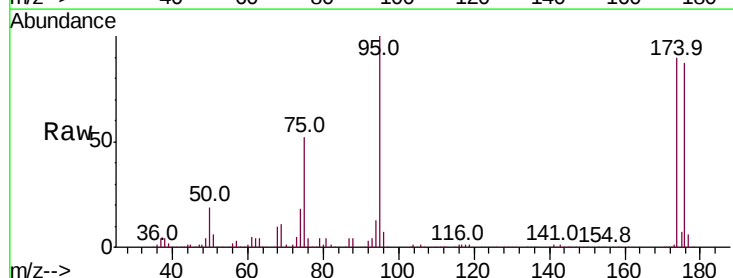
Tgt Ion: 95 Resp: 118461

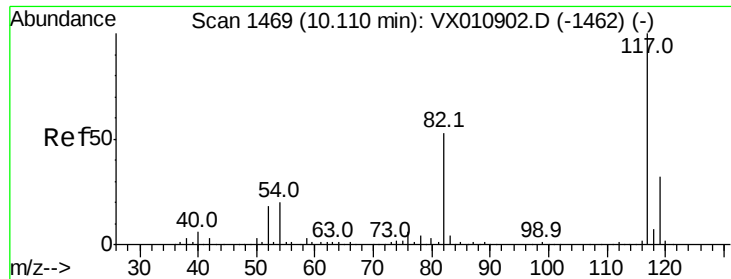
Ion Ratio Lower Upper

95 100

174 91.8 0.0 180.6

176 89.3 0.0 173.8





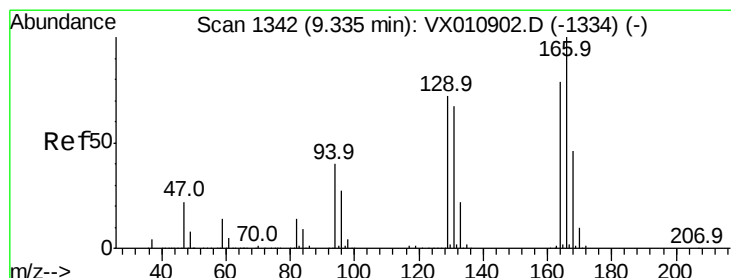
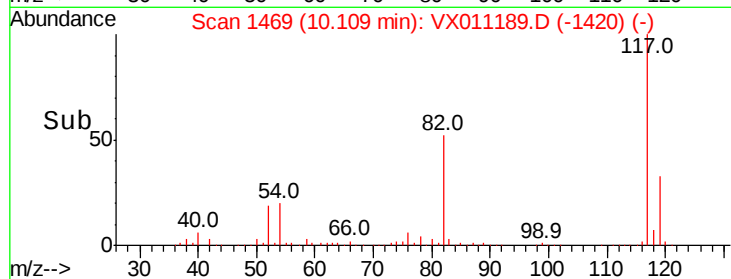
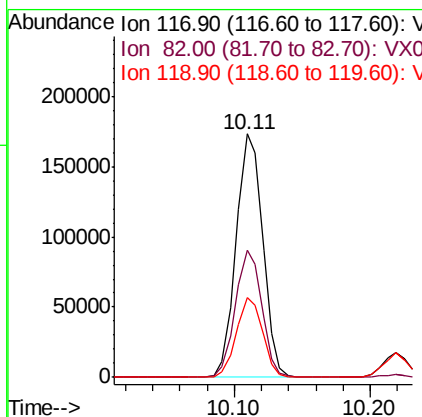
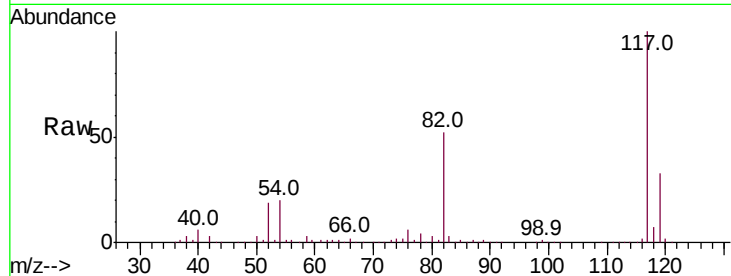
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.6	63.8
119	32.8	25.9	38.9

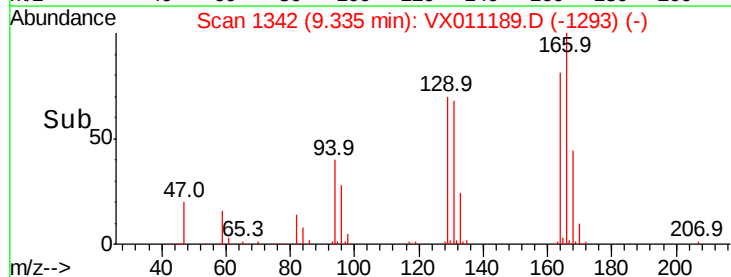
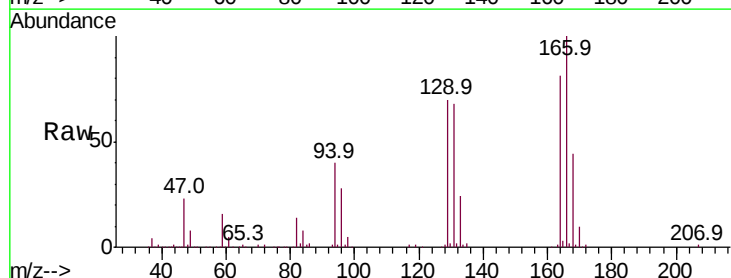
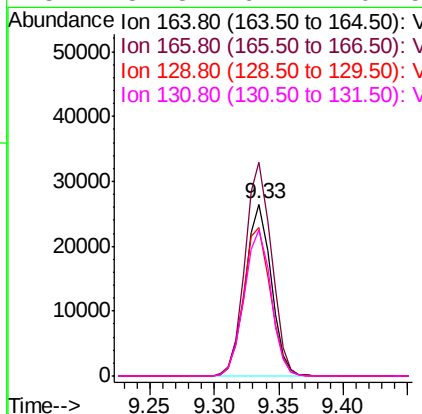
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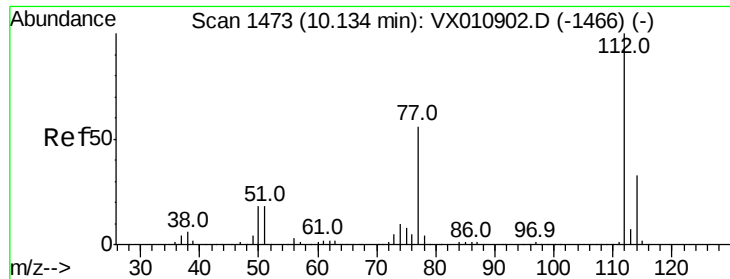
MMDadoda
7/31/2019 10:53:44 AM



#64
Tetrachloroethene
Concen: 19.718 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	100.8	151.2
129	86.4	72.6	109.0
131	84.8	67.7	101.5





#65

Chlorobenzene

Concen: 19.887 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS01

Tot Ion:112 Resp: 96905

Ion Ratio Lower Upper

112 100

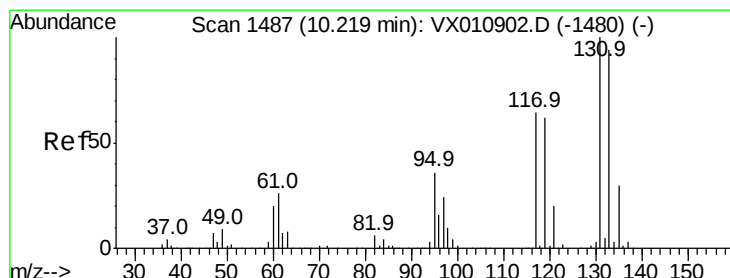
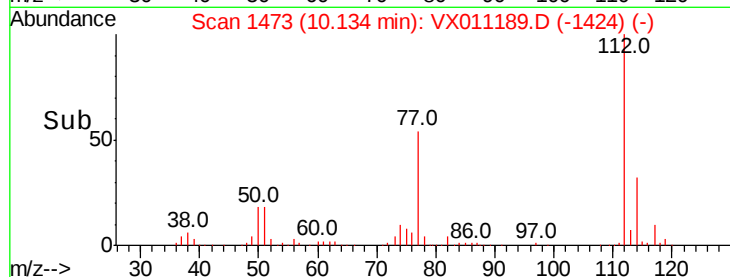
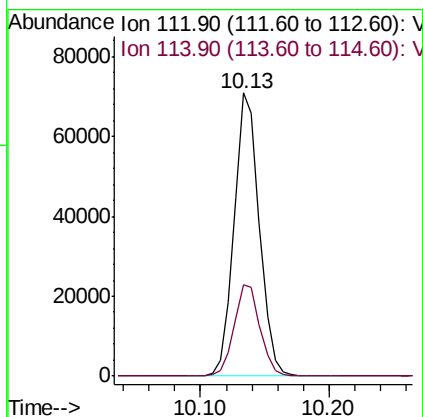
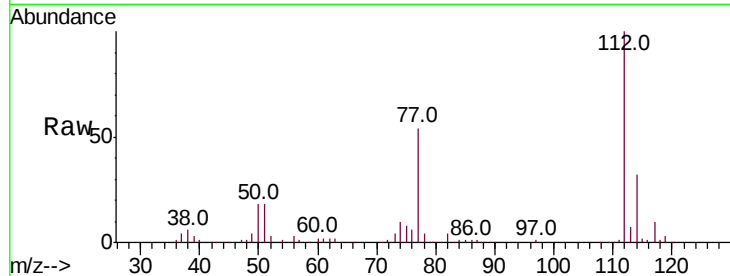
114 32.4 26.2 39.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.670 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

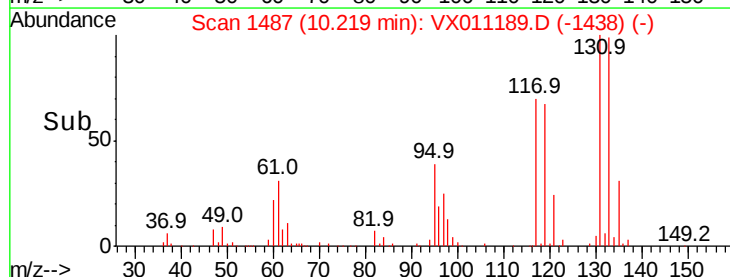
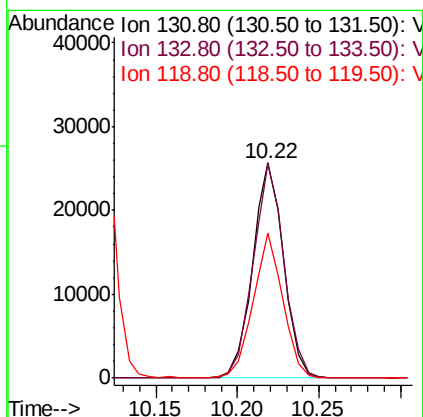
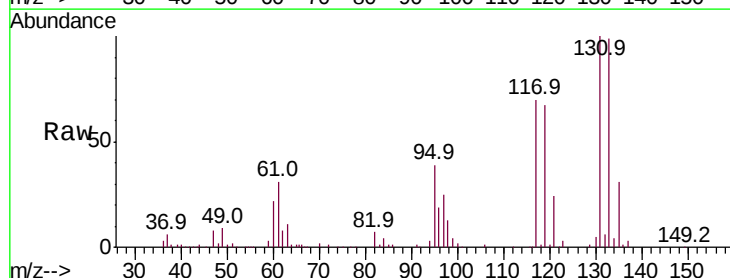
Tgt Ion:131 Resp: 33687

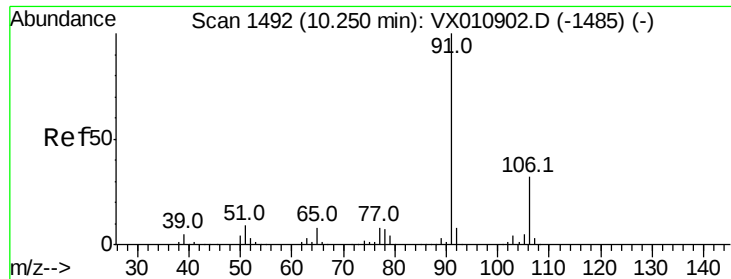
Ion Ratio Lower Upper

131 100

133 99.5 47.1 141.4

119 64.9 31.9 95.7





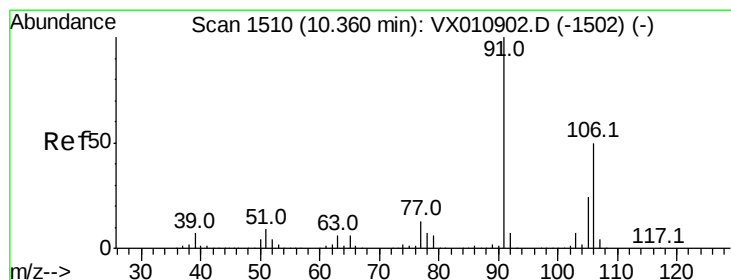
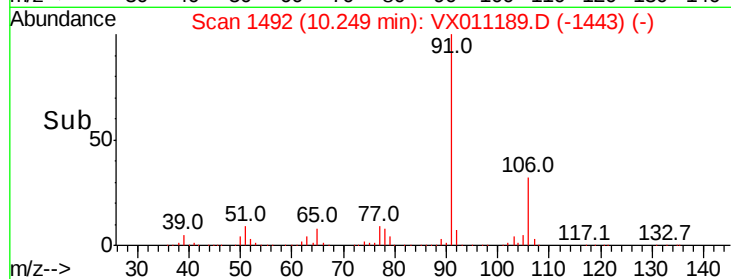
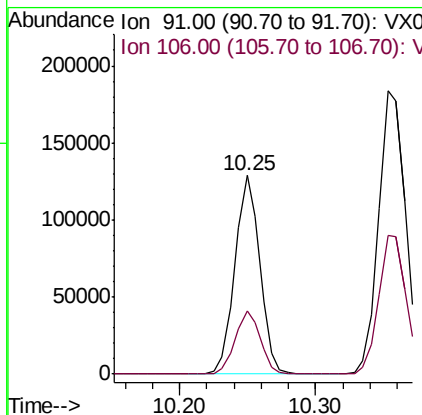
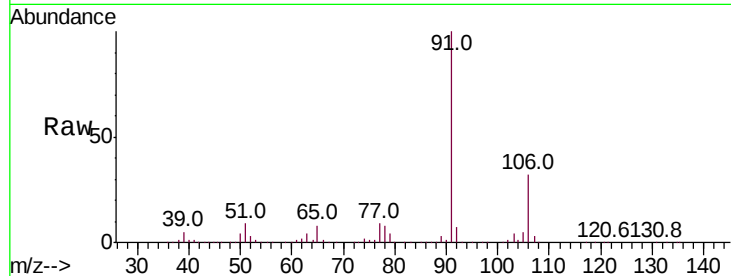
#67
Ethyl Benzene
Concen: 19.779 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS01

Tot Ion: 91 Resp: 164048
Ion Ratio Lower Upper
91 100
106 32.1 25.4 38.2

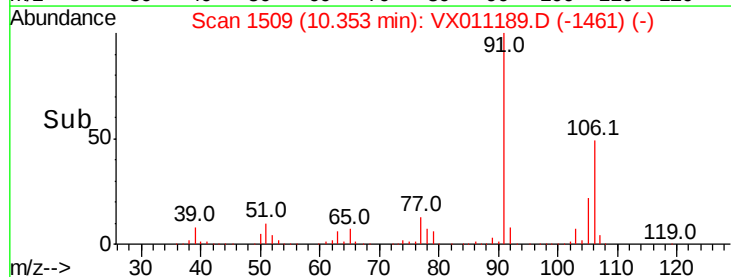
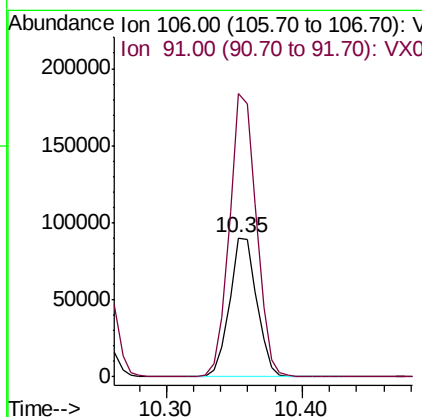
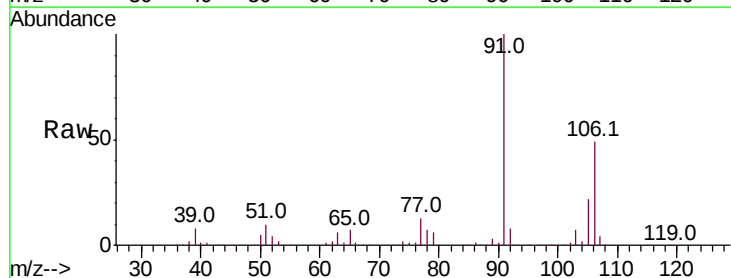
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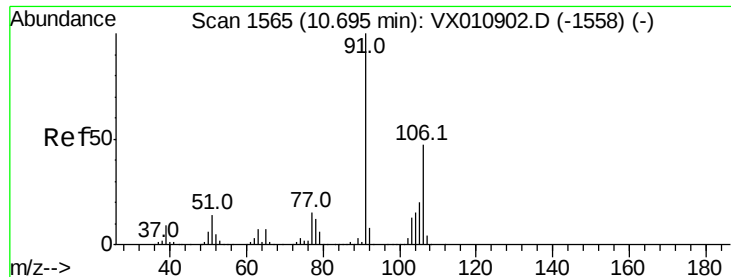
MMDadoda
7/31/2019 10:53:44 AM



#68
m/p-Xylenes
Concen: 39.476 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion: 106 Resp: 125597
Ion Ratio Lower Upper
106 100
91 200.7 160.1 240.1





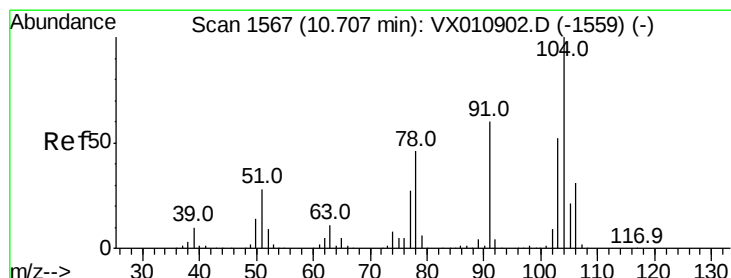
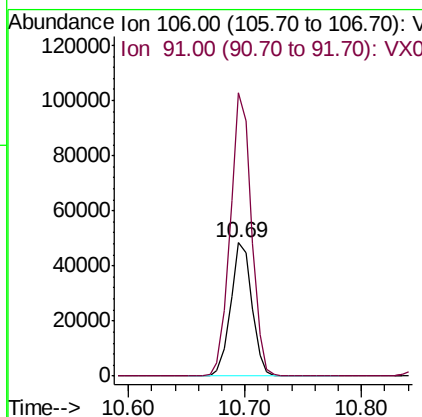
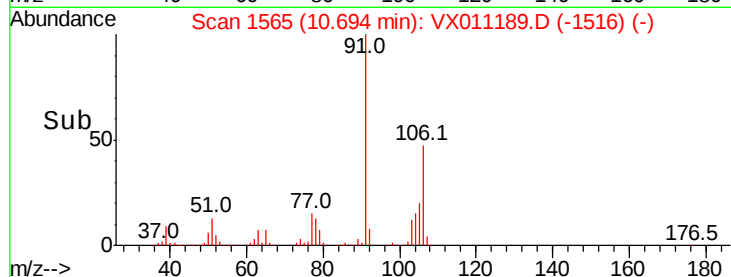
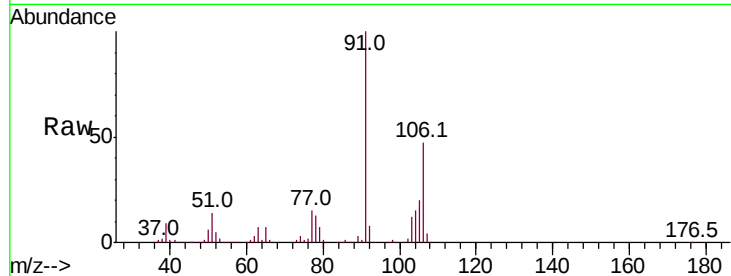
#69
o-Xylene
Concen: 19.917 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS01

Tot Ion:106 Resp: 61845
Ion Ratio Lower Upper
106 100
91 211.0 105.1 315.3

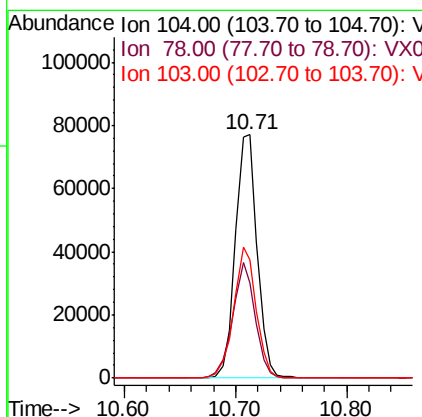
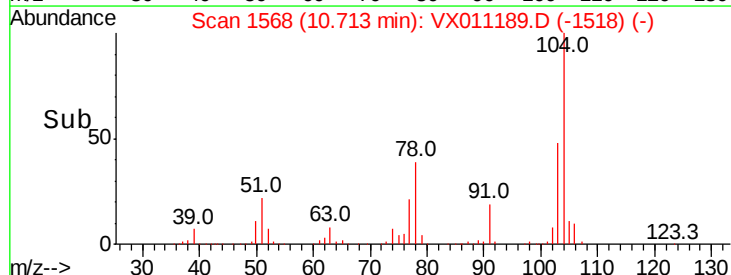
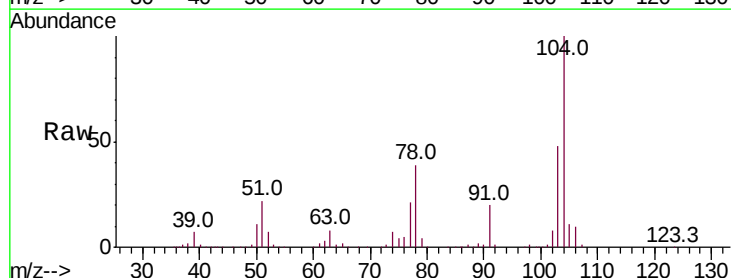
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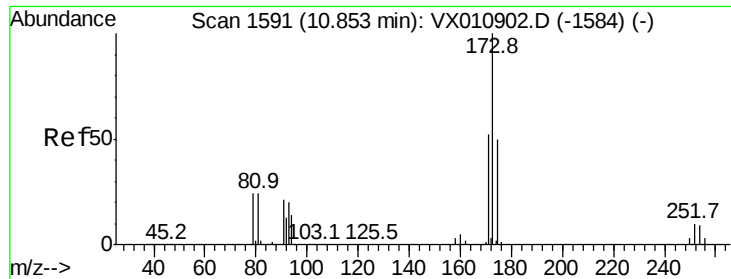
MMDadoda
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#70
Styrene
Concen: 20.176 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion:104 Resp: 104434
Ion Ratio Lower Upper
104 100
78 48.8 38.8 58.2
103 55.5 44.2 66.4





#71

Bromoform

Concen: 18.315 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS01

Tot Ion:173 Resp: 25904

Ion Ratio Lower Upper

173 100

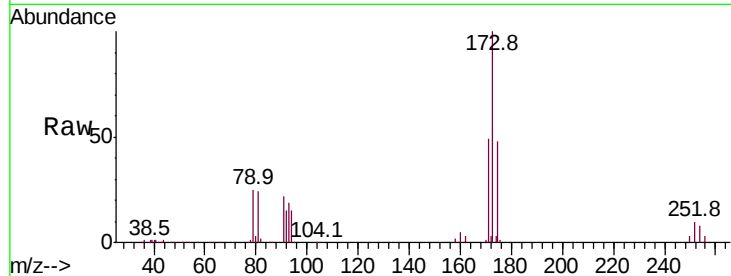
175 47.9 24.6 73.6

254 0.2 0.1 0.1#

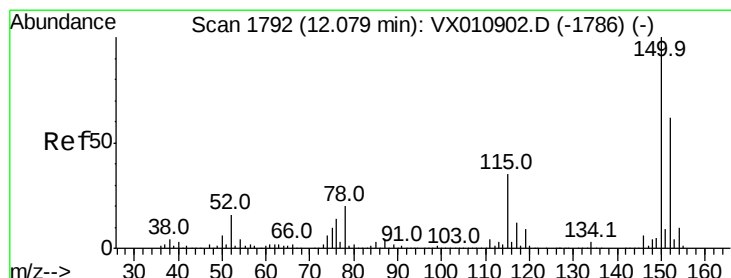
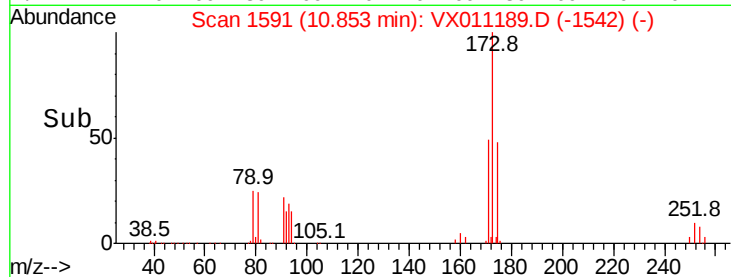
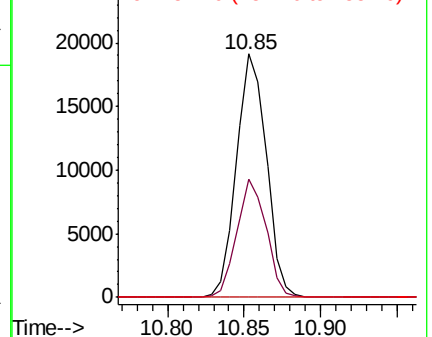
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

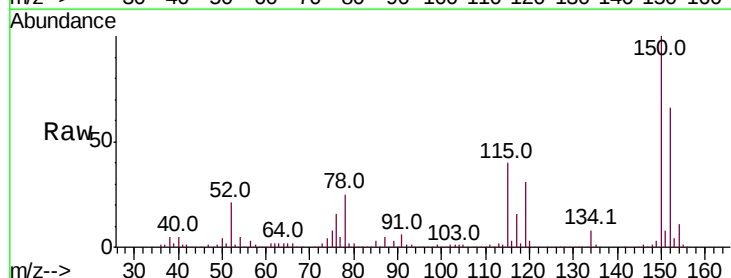
Tgt Ion:152 Resp: 127583

Ion Ratio Lower Upper

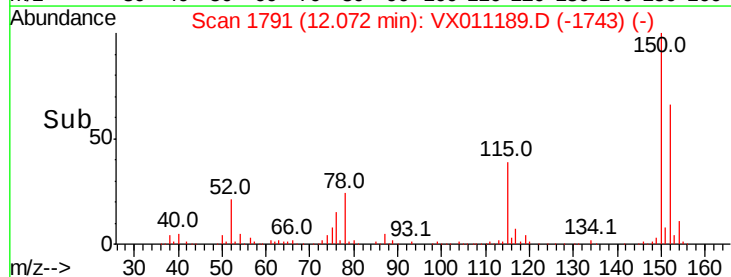
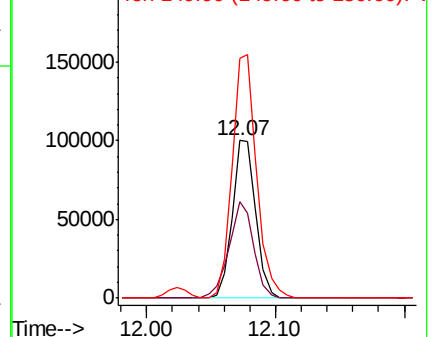
152 100

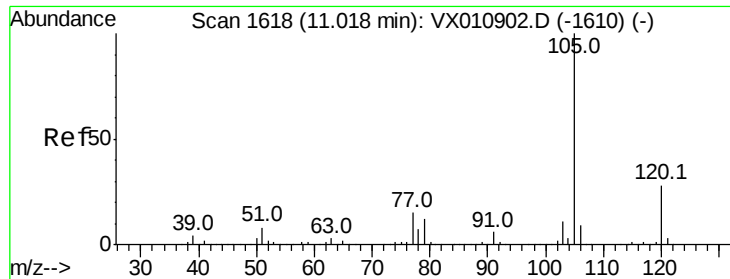
115 64.5 39.7 119.1

150 161.1 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.585 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS01

Tot Ion: 105 Resp: 168840

Ion Ratio Lower Upper

105 100

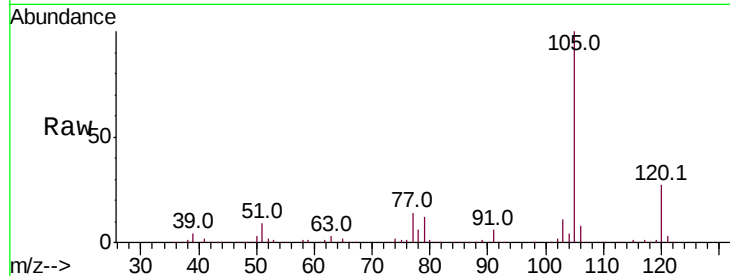
120 27.4 13.7 41.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

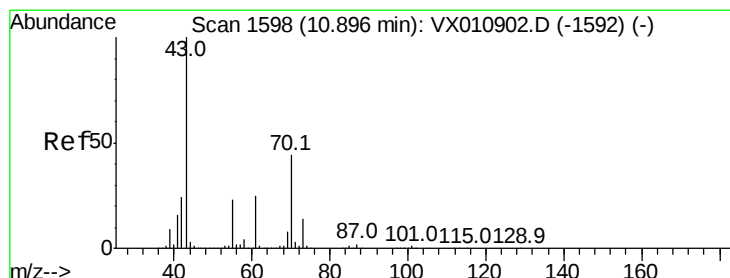
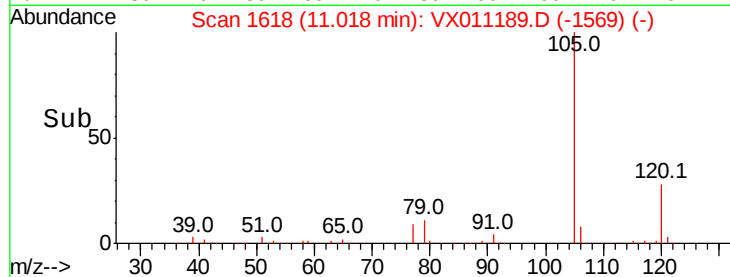
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.121 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Tgt Ion: 43 Resp: 62983

Ion Ratio Lower Upper

43 100

70 44.0 34.7 52.1

55 25.8 19.1 28.7

61 25.4 19.9 29.9

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

80000

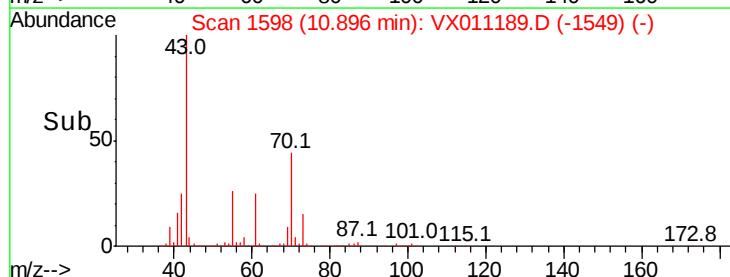
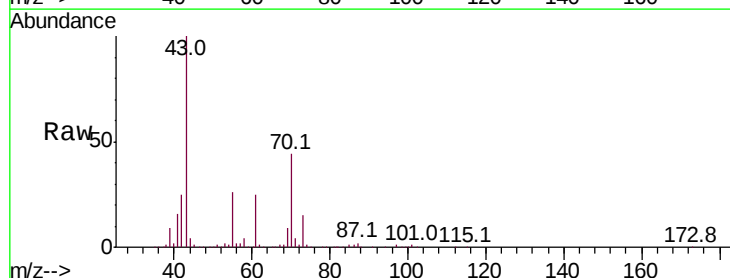
60000

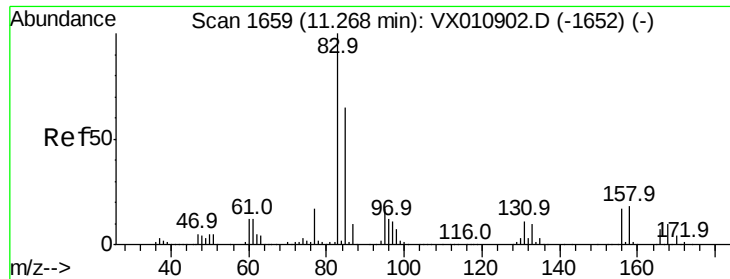
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.506 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

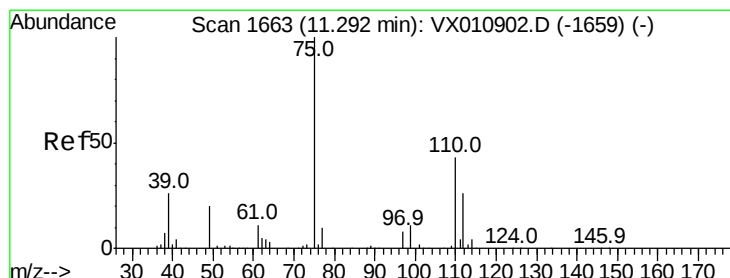
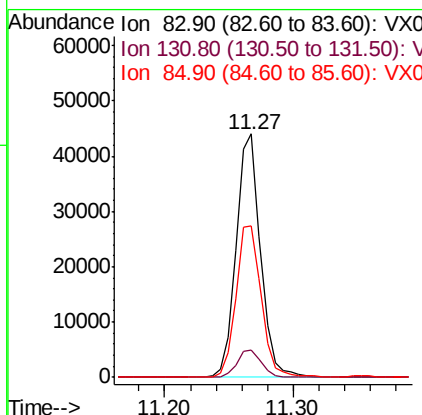
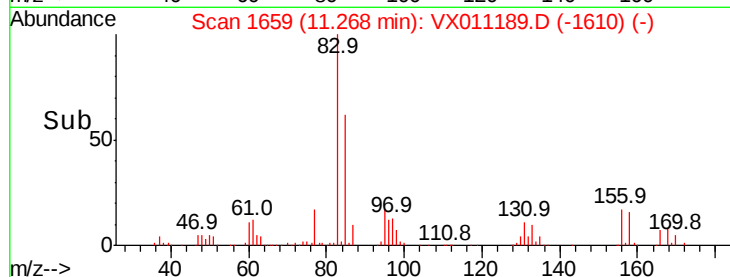
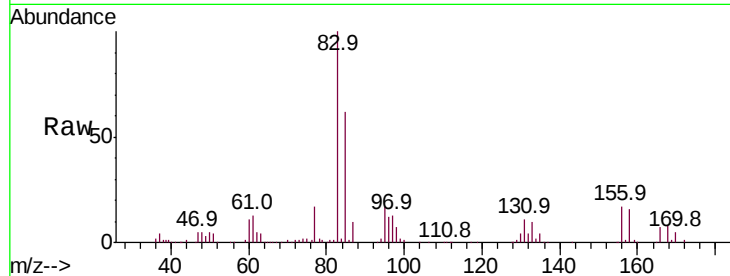
ClientSampleId :

VX0730WBS01

Tot Ion:	83	Resp:	57852
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	64.8	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.753 ug/l m

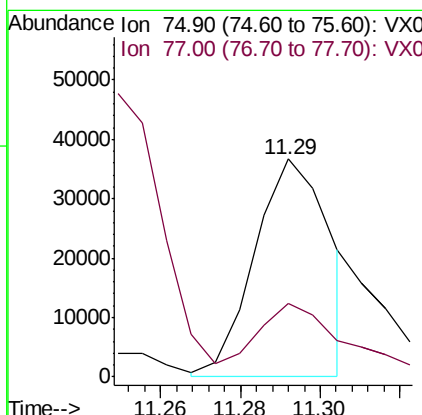
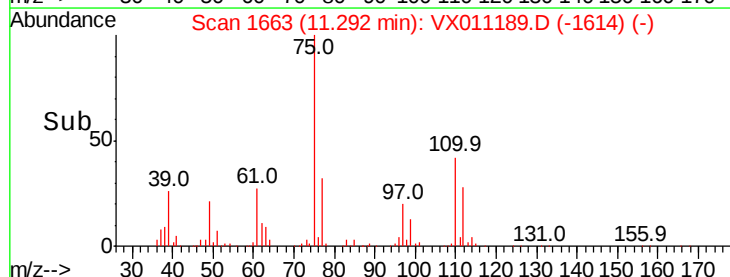
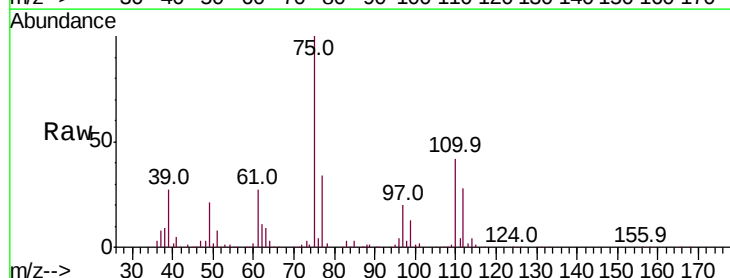
RT: 11.29 min Scan# 1663

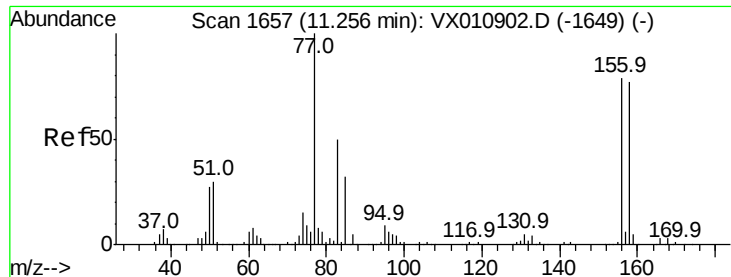
Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Tgt Ion:	75	Resp:	47780
Ion	Ratio	Lower	Upper
75	100		
77	40.7	21.3	64.0





#77

Bromobenzene

Concen: 19.581 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

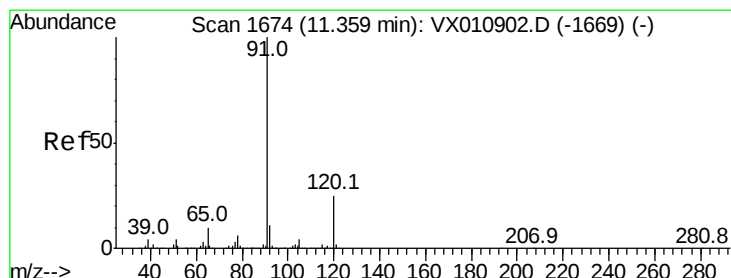
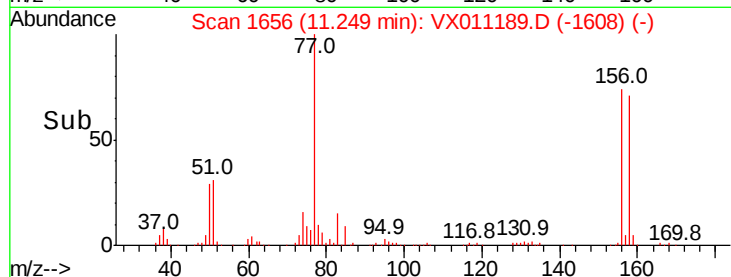
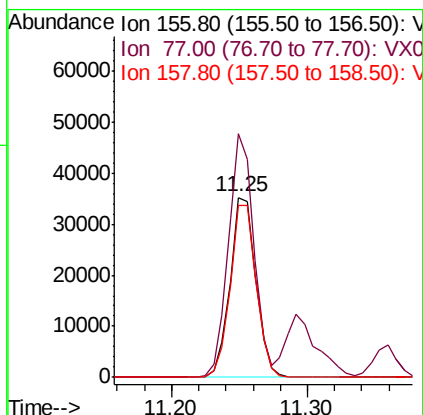
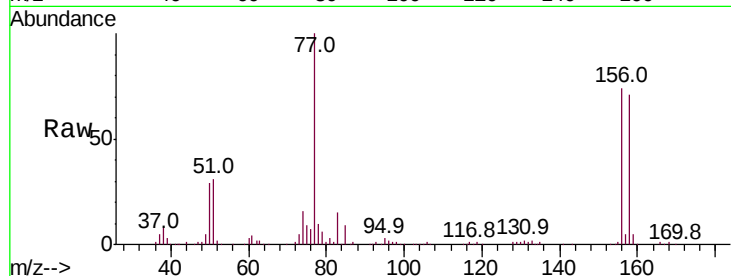
ClientSampleId :

VX0730WBS01

Tot Ion:	156	Resp:	46561
Ion	Ratio	Lower	Upper
156	100		
77	132.9	68.7	206.1
158	96.7	47.9	143.7

Manual Integrations
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7/31/2019 10:53:44 AM



#78

n-propylbenzene

Concen: 19.428 ug/l

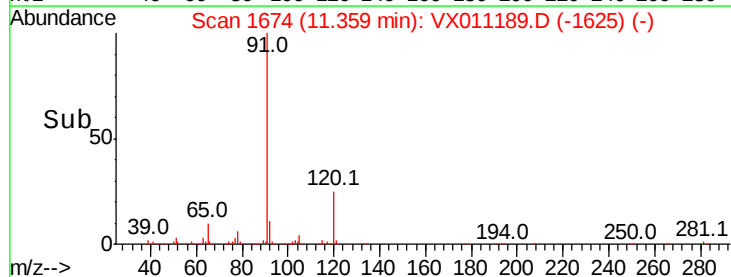
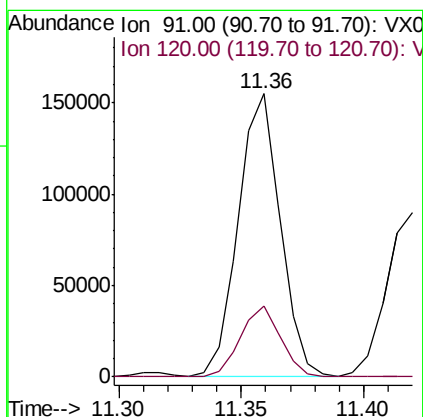
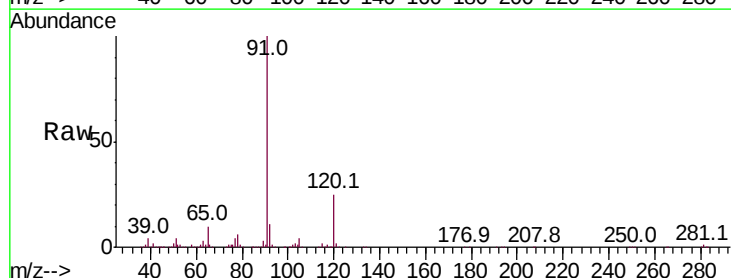
RT: 11.36 min Scan# 1674

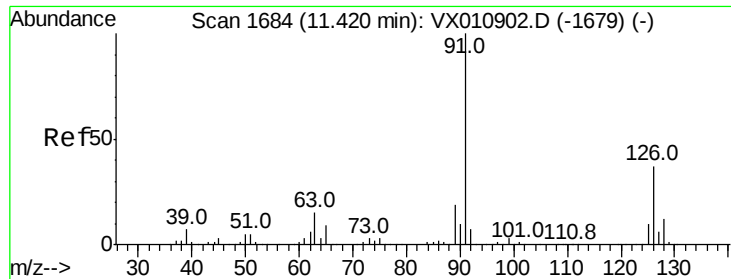
Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Tgt Ion:	91	Resp:	185054
Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.3	36.8





#79

2-Chlorotoluene

Concen: 19.500 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS01

Tot Ion: 91 Resp: 111582

Ion Ratio Lower Upper

91 100

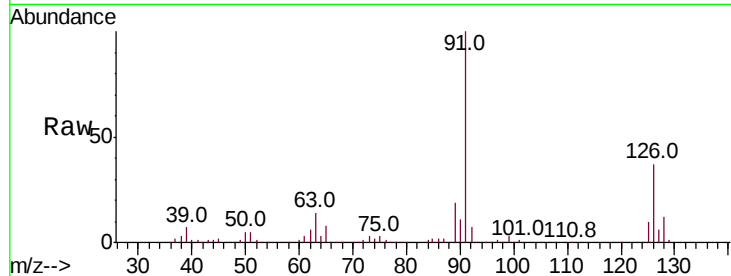
126 36.3 18.0 54.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX010902.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010902.D (-1679) (-)

150000

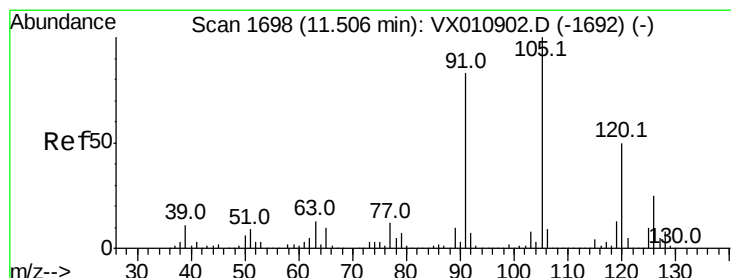
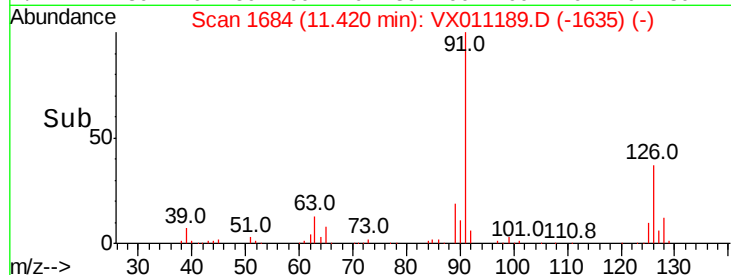
100000

50000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.672 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011189.D

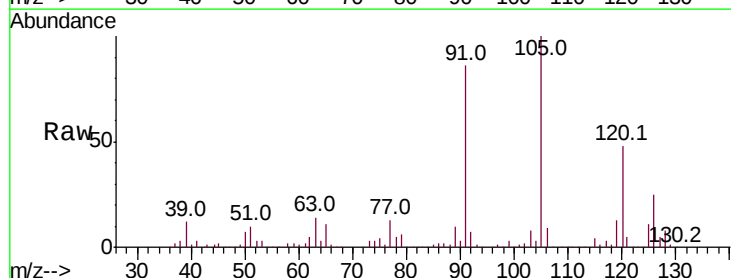
Acq: 30 Jul 2019 12:59

Tgt Ion: 105 Resp: 141706

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VX010902.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010902.D (-1692) (-)

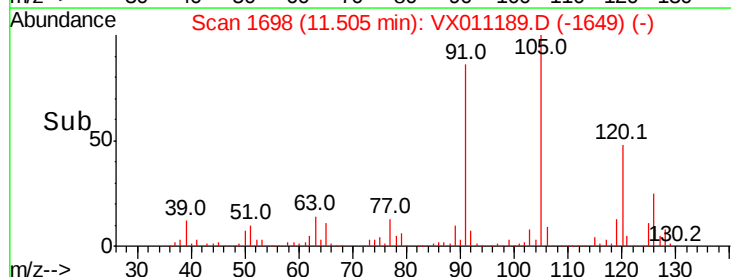
100000

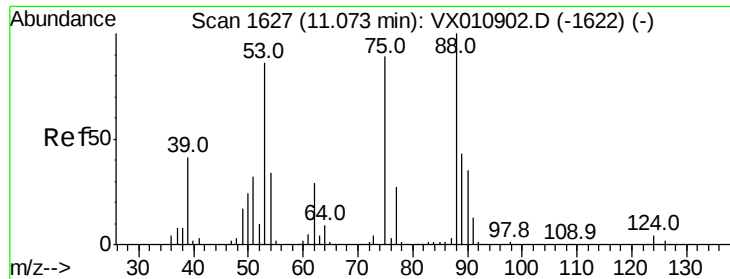
50000

0

11.45 11.50 11.55

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.033 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS01

Tot Ion: 75 Resp: 13875

Ion Ratio Lower Upper

75 100

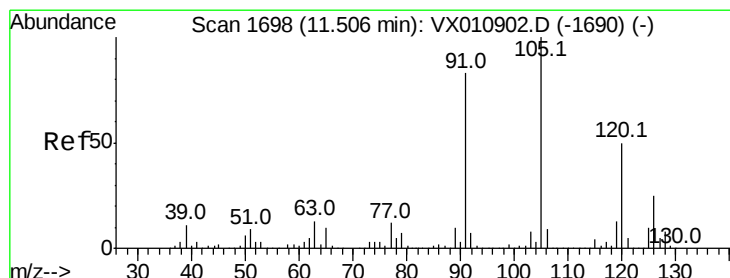
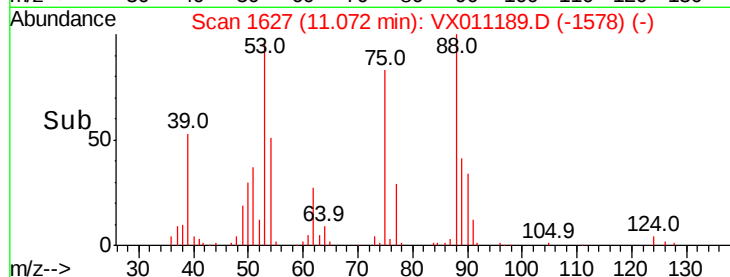
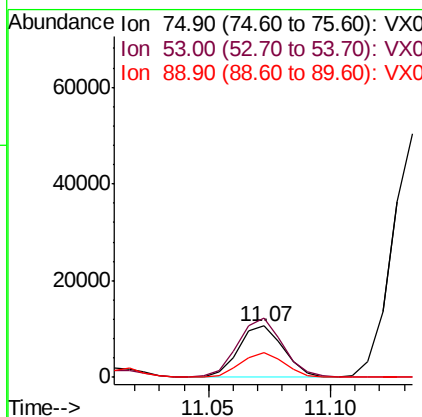
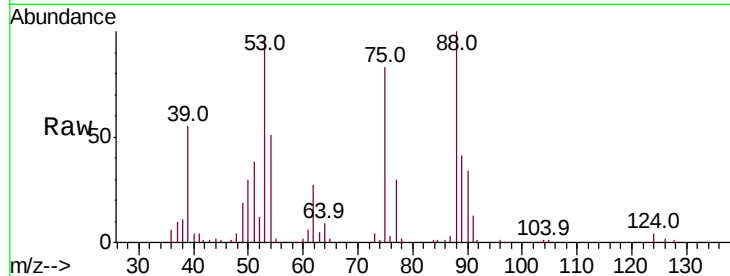
53 115.6 76.7 115.1#

89 46.9 38.5 57.7

Manual Integrations
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7/31/2019 10:53:44 AM



#82

4-Chlorotoluene

Concen: 19.414 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011189.D

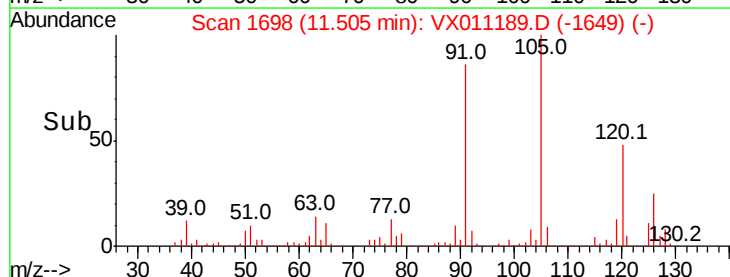
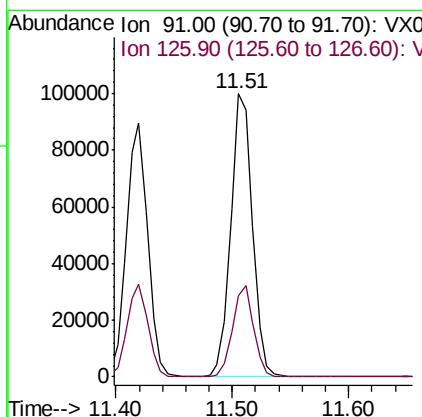
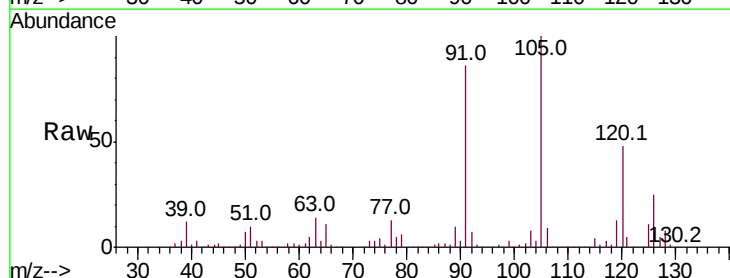
Acq: 30 Jul 2019 12:59

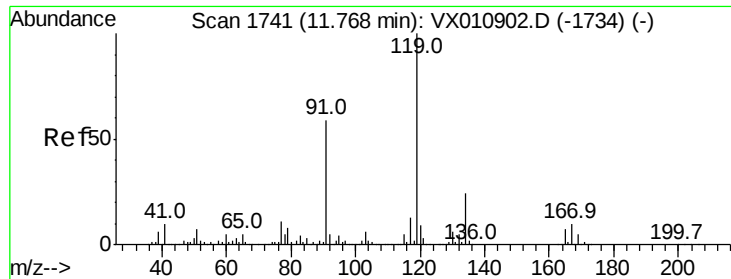
Tgt Ion: 91 Resp: 129294

Ion Ratio Lower Upper

91 100

126 31.4 15.9 47.7





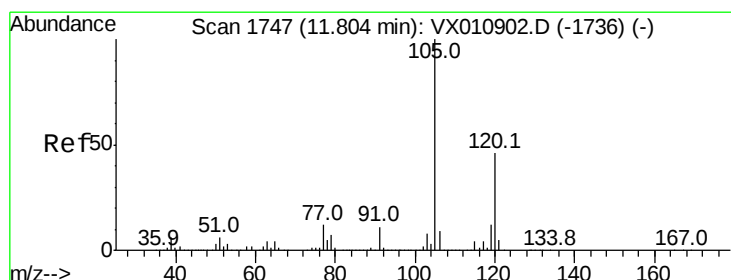
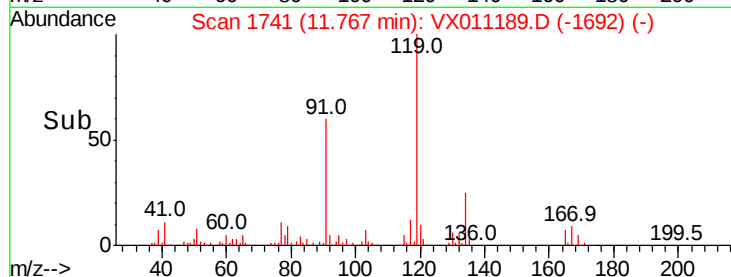
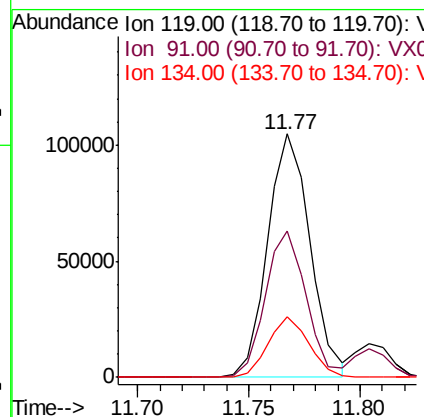
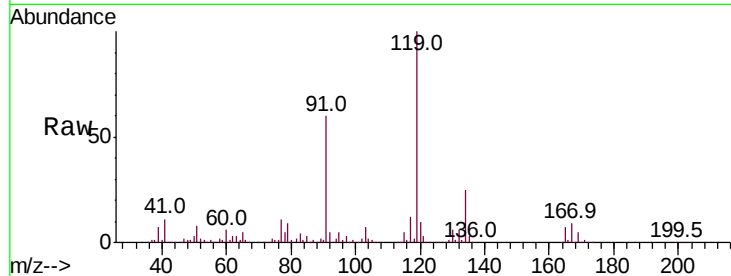
#83
tert-Butylbenzene
Concen: 19.576 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampled :
VX0730WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	138510		
91	58.3	28.6	85.8	
134	24.1	11.6	34.8	

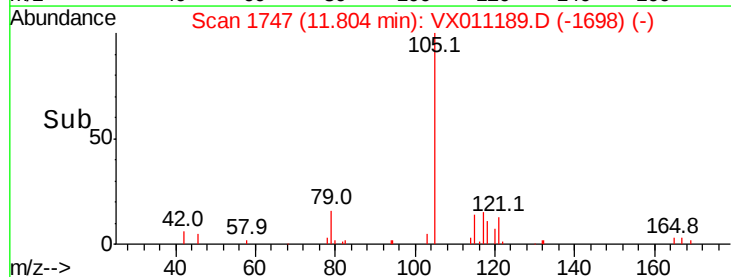
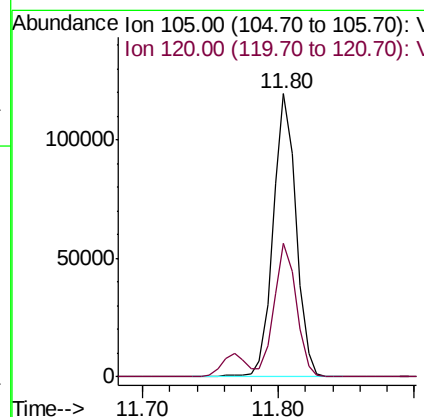
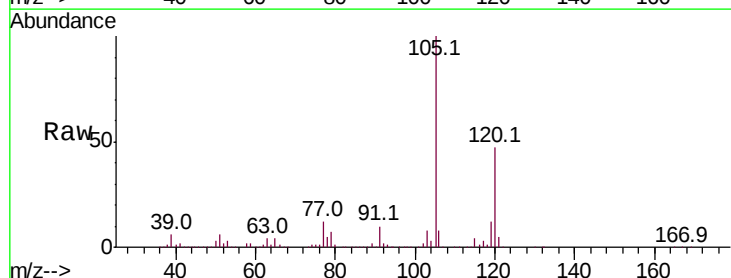
Manual Integrations
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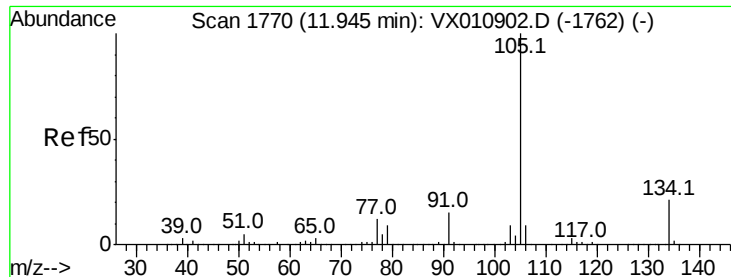
MMDadoda
7/31/2019 10:53:44 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.506 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	141625		
120	45.4	22.9	68.5	





#85

sec-Butylbenzene

Concen: 19.968 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS01

Tot Ion:105 Resp: 165551

Ion Ratio Lower Upper

105 100

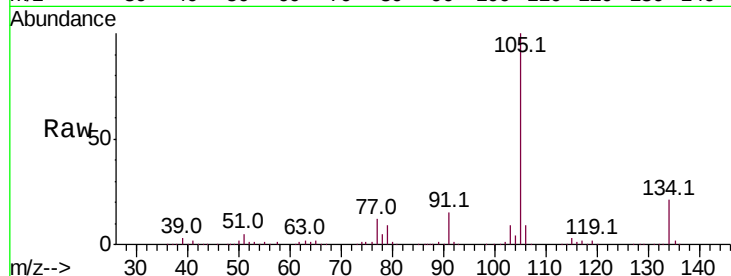
134 20.7 10.4 31.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

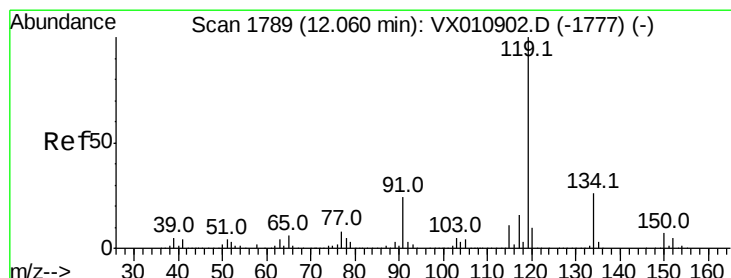
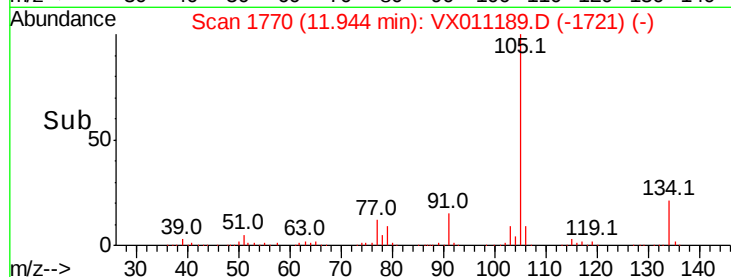
150000

100000

50000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 19.863 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

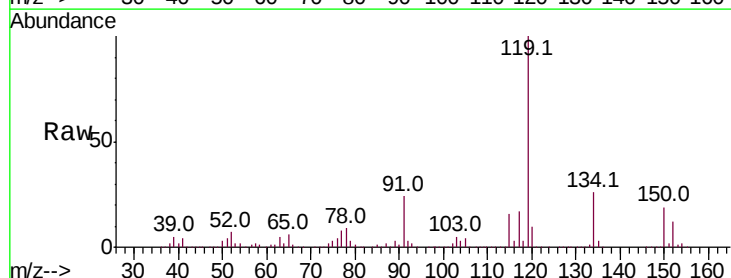
Tgt Ion:119 Resp: 152250

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

91 23.5 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

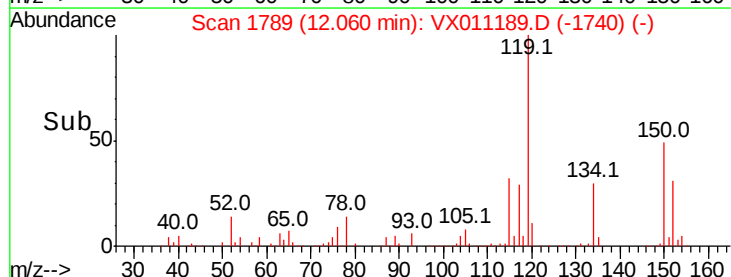
150000

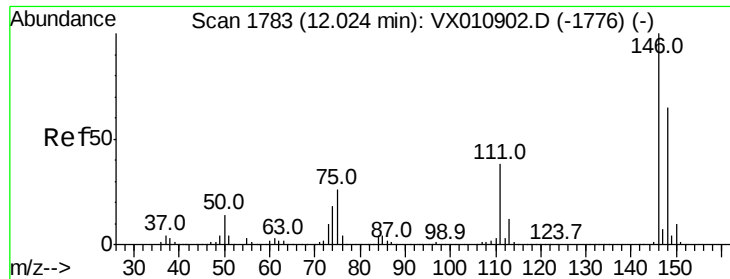
100000

50000

0

Time--> 12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 19.593 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBS01

Tot Ion:146 Resp: 80852

Ion Ratio Lower Upper

146 100

111 38.8 18.9 56.9

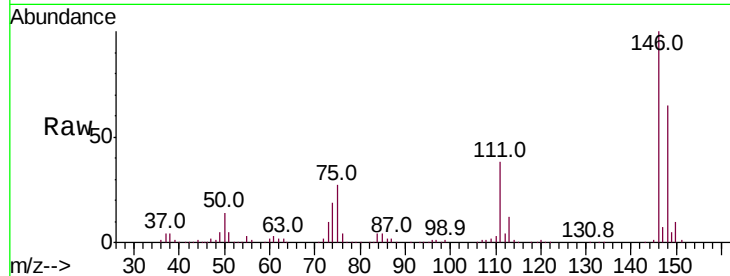
148 63.0 32.2 96.6

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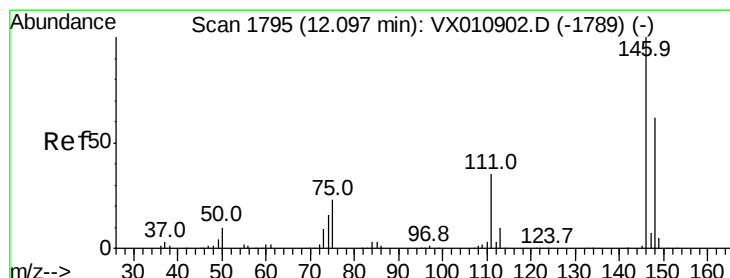
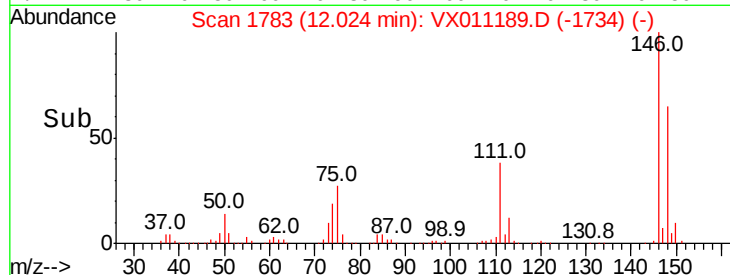
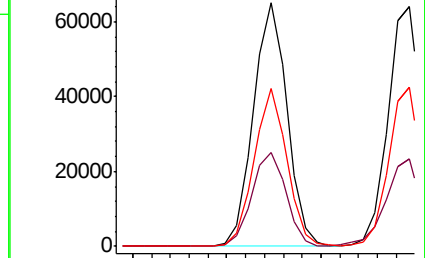
7/31/2019 10:53:44 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.422 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX011189.D

Acq: 30 Jul 2019 12:59

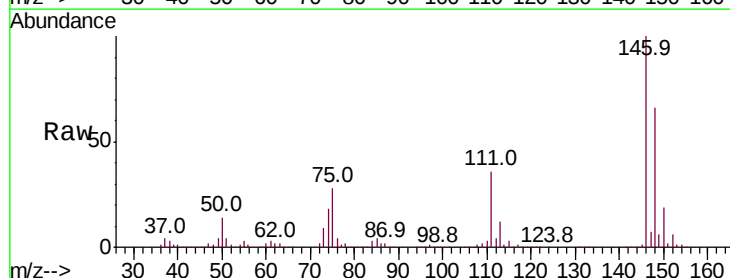
Tgt Ion:146 Resp: 82201

Ion Ratio Lower Upper

146 100

111 37.2 18.6 55.8

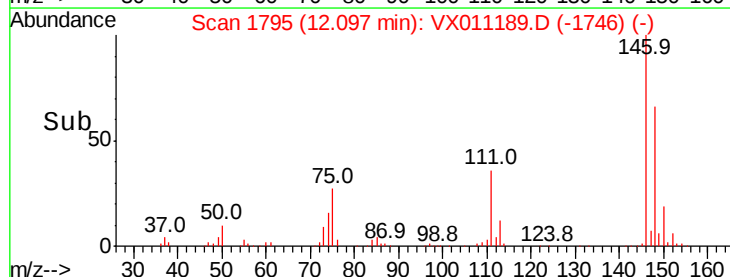
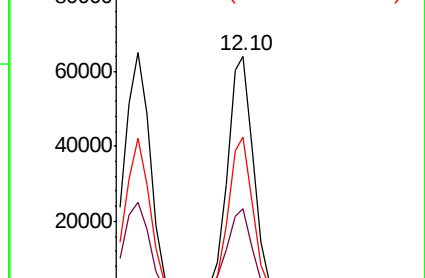
148 63.8 31.6 94.7

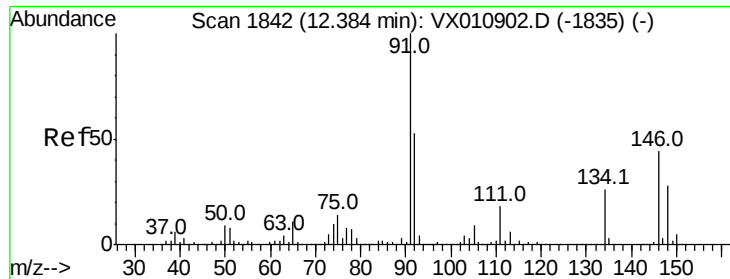


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





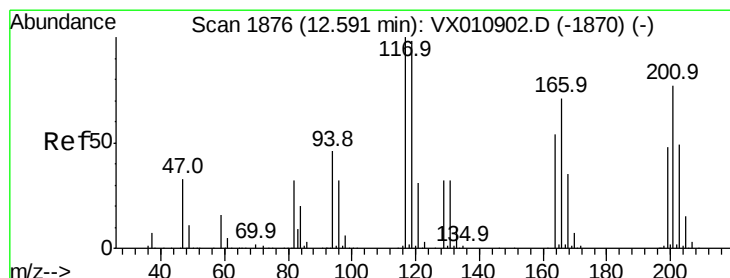
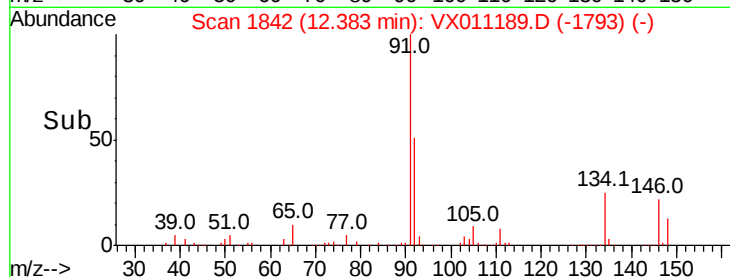
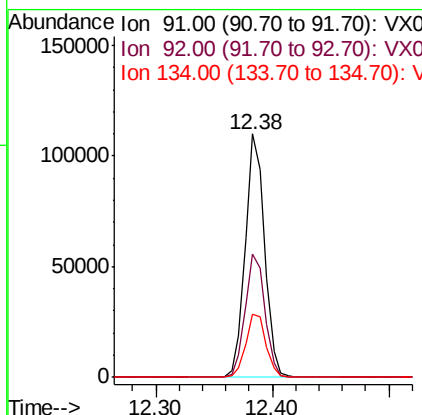
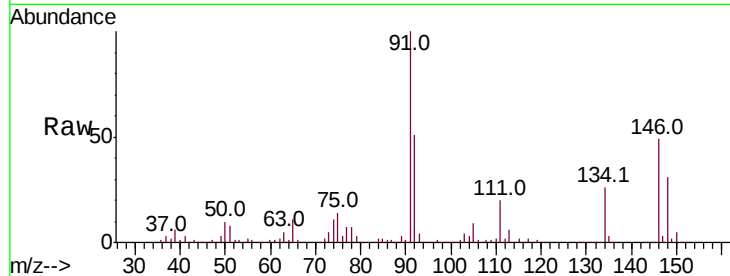
#89
n-Butylbenzene
Concen: 19.538 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.5
134	27.0	13.8	41.3

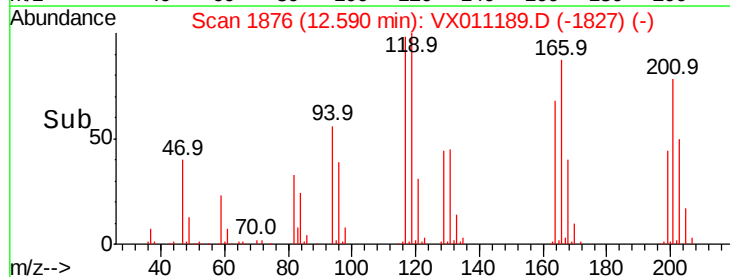
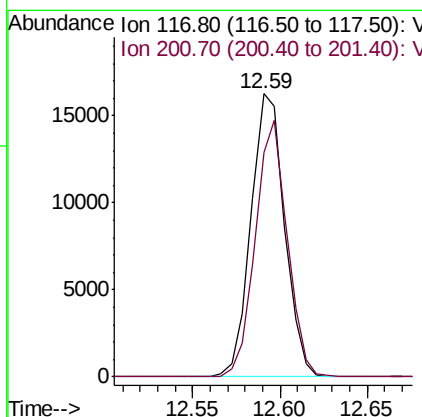
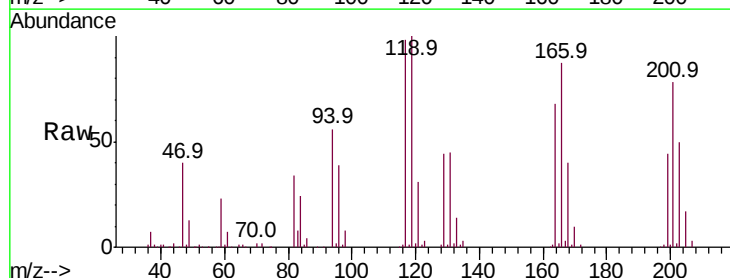
Manual Integrations
APPROVED

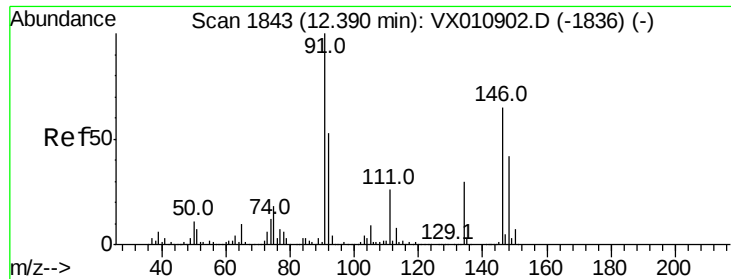
MMDadoda
7/31/2019 10:53:44 AM



#90
Hexachloroethane
Concen: 17.980 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	43.3	129.8





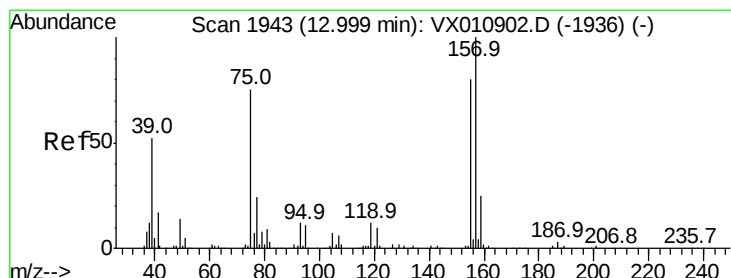
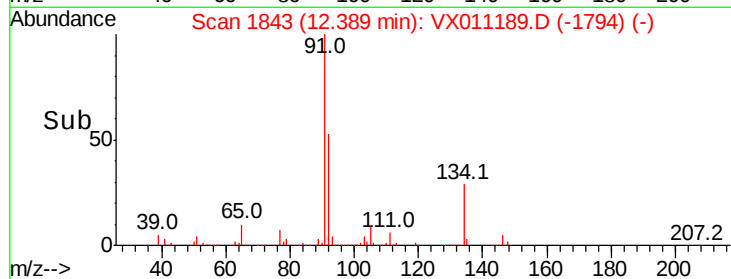
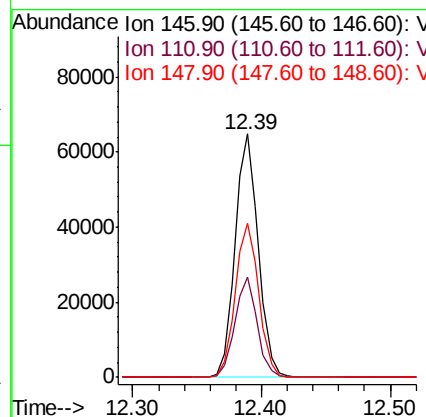
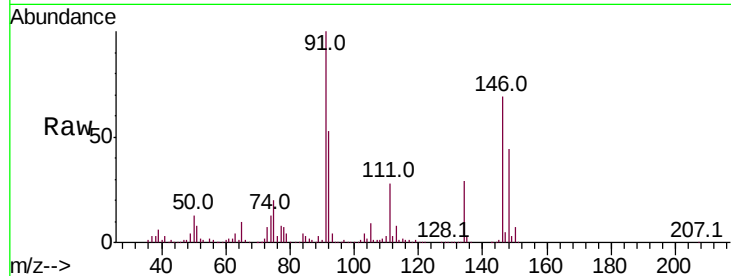
#91
 1,2-Dichlorobenzene
 Concen: 19.963 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011189.D
 Acq: 30 Jul 2019 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.7
148	64.1	32.0	96.2

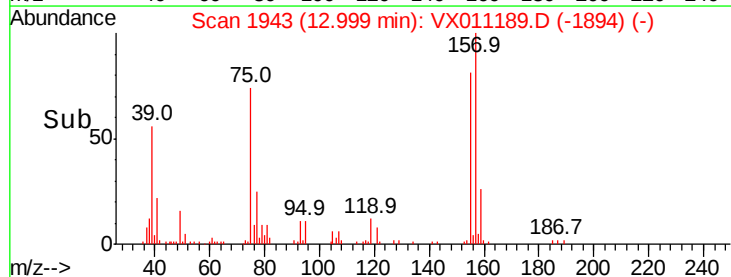
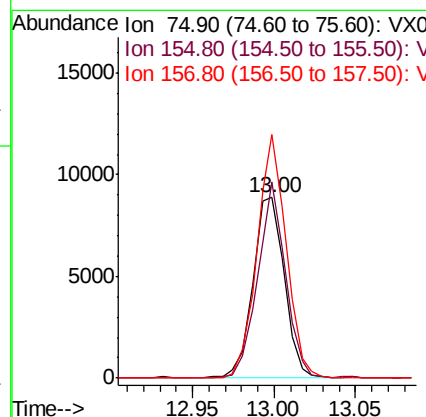
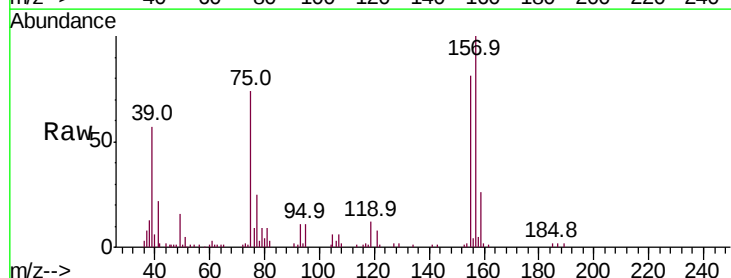
Manual Integrations
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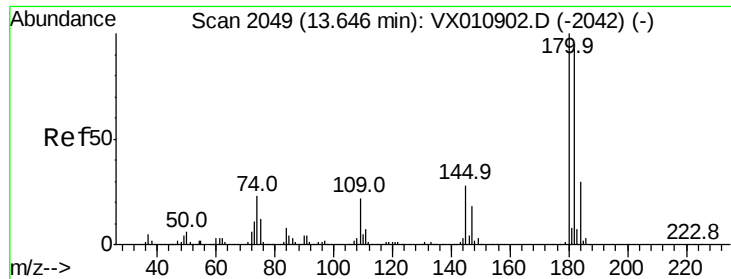
MMDadoda
 7/31/2019 10:53:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.294 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011189.D
 Acq: 30 Jul 2019 12:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	48.7	146.1
157	124.1	62.5	187.6





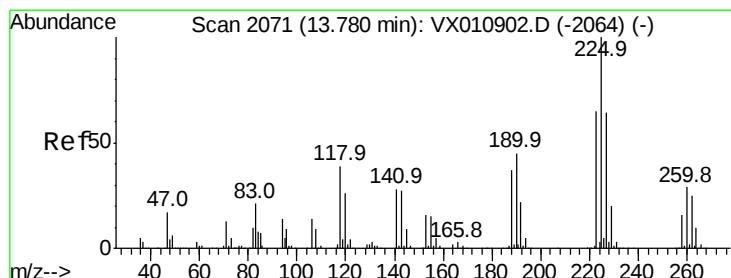
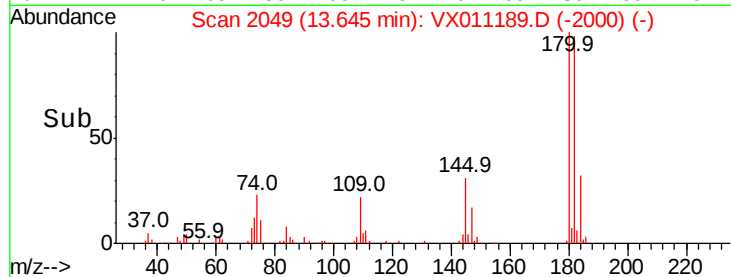
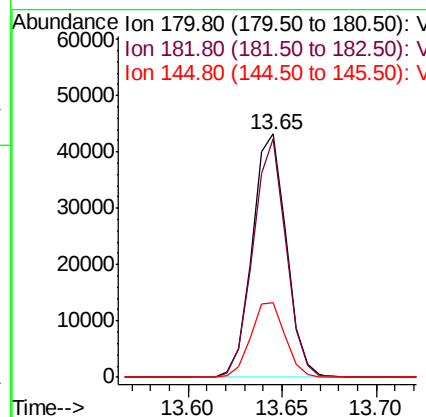
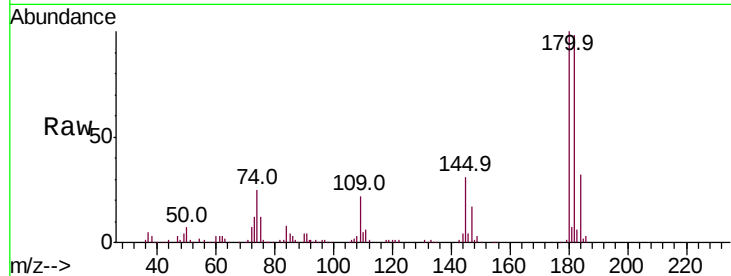
#93
 1,2,4-Trichlorobenzene
 Concen: 19.500 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011189.D
 Acq: 30 Jul 2019 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	47.1	141.3	
145	31.0	14.8	44.4	

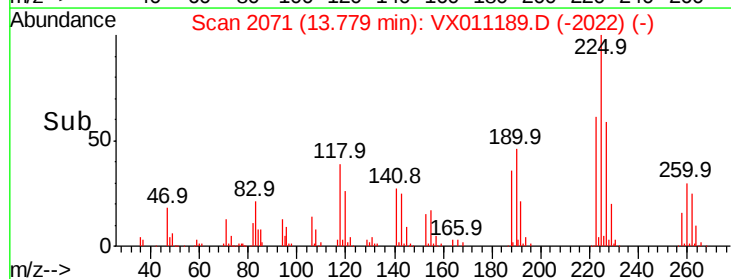
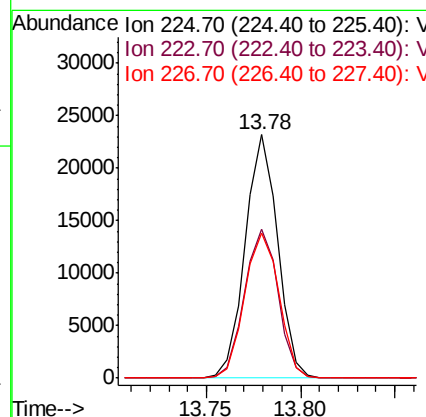
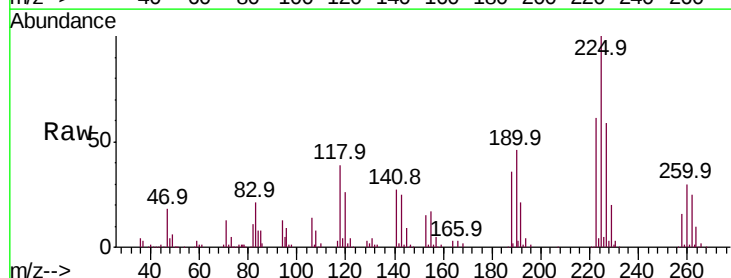
Manual Integrations
 APPROVED

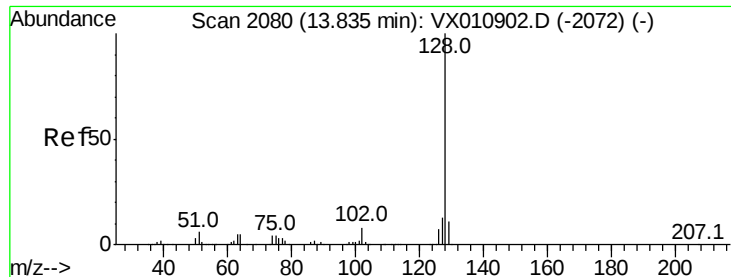
MMDadoda
 7/31/2019 10:53:44 AM



#94
 Hexachlorobutadiene
 Concen: 20.203 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011189.D
 Acq: 30 Jul 2019 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	31.9	95.9	
227	63.1	32.5	97.4	





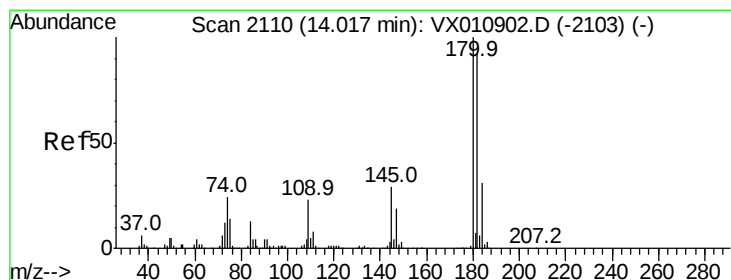
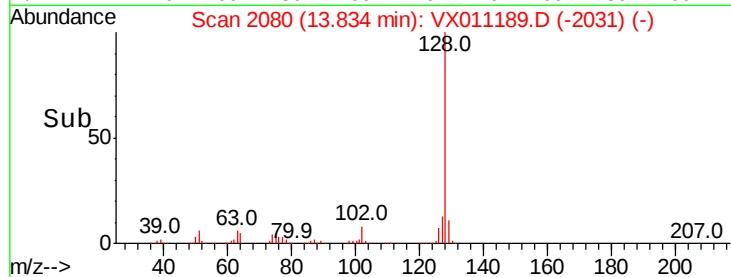
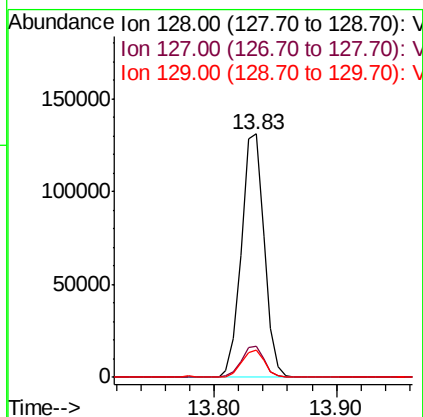
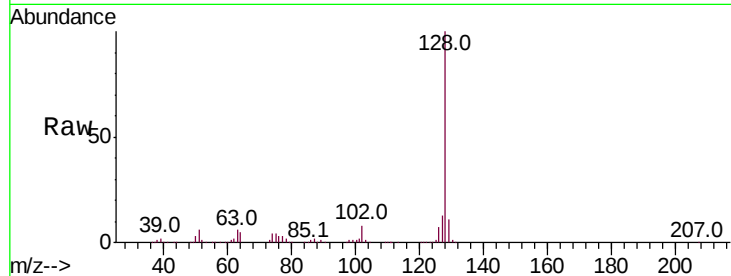
#95
Naphthalene
Concen: 20.580 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.2	8.9	13.3

Manual Integrations
APPROVED

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7/31/2019 10:53:44 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.694 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011189.D
Acq: 30 Jul 2019 12:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.3
145	30.5	15.1	45.3

