

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081119\
 Data File : VX011424.D
 Acq On : 11 Aug 2019 12:22
 Operator : JC/SP
 Sample : VX0811WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 10:30:29 AM

Quant Time: Aug 12 08:11:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	181241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	270444	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129383	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	104496	57.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.50%	
35) Dibromofluoromethane	5.49	113	92916	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
50) Toluene-d8	8.71	98	332853	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	11.13	95	121639	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	25717	18.372	ug/l 100
3) Chloromethane	1.32	50	28423	18.082	ug/l 99
4) Vinyl Chloride	1.40	62	29758	17.210	ug/l 100
5) Bromomethane	1.63	94	22744	18.443	ug/l 98
6) Chloroethane	1.71	64	19739	16.695	ug/l 93
7) Trichlorofluoromethane	1.92	101	55736	18.129	ug/l 96
8) Diethyl Ether	2.18	74	20123	18.330	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	32326	19.432	ug/l 97
10) Methyl Iodide	2.50	142	33471	15.959	ug/l 98
11) Tert butyl alcohol	3.04	59	44522	122.339	ug/l 100
12) 1,1-Dichloroethene	2.37	96	30121	18.266	ug/l 90
13) Acrolein	2.29	56	9935	43.576	ug/l 91
14) Allyl chloride	2.72	41	46081	20.962	ug/l 97
15) Acrylonitrile	3.14	53	89529	103.082	ug/l 97
16) Acetone	2.43	43	85248	98.126	ug/l 97
17) Carbon Disulfide	2.56	76	67380	17.412	ug/l 98
18) Methyl Acetate	2.76	43	41555	20.931	ug/l 99
19) Methyl tert-butyl Ether	3.18	73	101556	20.898	ug/l 100
20) Methylene Chloride	2.85	84	35564	18.692	ug/l 95
21) trans-1,2-Dichloroethene	3.16	96	32753	18.777	ug/l 96
22) Diisopropyl ether	3.85	45	99137	20.519	ug/l 99
23) Vinyl Acetate	3.81	43	425367	106.147	ug/l 99
24) 1,1-Dichloroethane	3.69	63	58195	20.426	ug/l 97
25) 2-Butanone	4.67	43	124825	101.007	ug/l 97
26) 2,2-Dichloropropane	4.58	77	47900	21.628	ug/l 96
27) cis-1,2-Dichloroethene	4.59	96	39038	19.430	ug/l 94
28) Bromochloromethane	5.01	49	28368	21.841	ug/l 94
29) Tetrahydrofuran	5.12	42	76495	100.952	ug/l 99
30) Chloroform	5.20	83	63572	20.531	ug/l 99
31) Cyclohexane	5.57	56	44685	19.011	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	55556	20.944	ug/l 99
36) 1,1-Dichloropropene	5.79	75	44029	18.647	ug/l 98
37) Ethyl Acetate	4.82	43	45275	19.116	ug/l 99
38) Carbon Tetrachloride	5.78	117	48788	20.537	ug/l 95

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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	49201	17.579	ug/l	99
40) Benzene	6.14	78	133916	19.006	ug/l	97
41) Methacrylonitrile	5.04	41	25899	20.022	ug/l	97
42) 1,2-Dichloroethane	6.18	62	49818	20.909	ug/l	98
43) Isopropyl Acetate	6.44	43	75348	19.898	ug/l	99
44) Trichloroethene	7.21	130	38432	18.020	ug/l	93
45) 1,2-Dichloropropane	7.51	63	34610	18.966	ug/l	94
46) Dibromomethane	7.66	93	25633	19.242	ug/l	96
47) Bromodichloromethane	7.89	83	45888	20.346	ug/l	99
48) Methyl methacrylate	7.76	41	36966	20.743	ug/l	97
49) 1,4-Dioxane	7.74	88	18795	363.797	ug/l	92
51) 4-Methyl-2-Pentanone	8.63	43	252097	103.159	ug/l	99
52) Toluene	8.78	92	88705	19.041	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	48800	20.363	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	52914	20.084	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	37775	19.721	ug/l	98
56) Ethyl methacrylate	9.18	69	56082	20.546	ug/l	99
57) 1,3-Dichloropropane	9.37	76	59045	19.492	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	136465	101.679	ug/l	99
59) 2-Hexanone	9.49	43	193524	102.239	ug/l	99
60) Dibromochloromethane	9.58	129	39556	20.171	ug/l	98
61) 1,2-Dibromoethane	9.67	107	39752	19.209	ug/l	99
64) Tetrachloroethene	9.34	164	36487	17.419	ug/l	95
65) Chlorobenzene	10.13	112	100344	18.974	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	37723	20.835	ug/l	98
67) Ethyl Benzene	10.25	91	172202	19.442	ug/l	100
68) m/p-Xylenes	10.35	106	132901	38.793	ug/l	97
69) o-Xylene	10.69	106	64381	19.127	ug/l	97
70) Styrene	10.71	104	109986	19.747	ug/l	98
71) Bromoform	10.85	173	28227	19.283	ug/l #	97
73) Isopropylbenzene	11.02	105	177039	20.007	ug/l	99
74) N-amyl acetate	10.90	43	68586	21.451	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	60049	20.363	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	49855m	21.159	ug/l	
77) Bromobenzene	11.25	156	48100	19.603	ug/l	96
78) n-propylbenzene	11.36	91	193727	19.687	ug/l	99
79) 2-Chlorotoluene	11.41	91	117260	19.992	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	147121	19.861	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	15917	20.933	ug/l	93
82) 4-Chlorotoluene	11.51	91	135373	19.804	ug/l	98
83) tert-Butylbenzene	11.77	119	146837	20.211	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	148007	20.069	ug/l	99
85) sec-Butylbenzene	11.94	105	171778	19.680	ug/l	100
86) p-Isopropyltoluene	12.06	119	156414	19.479	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	82219	18.964	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	83345	18.643	ug/l	97
89) n-Butylbenzene	12.38	91	131583	19.020	ug/l	99
90) Hexachloroethane	12.59	117	23883	20.117	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	84607	19.422	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12633	22.112	ug/l	90

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Instrument :
MSVOA_X
ClientSampleId :
VX0811WBSD01

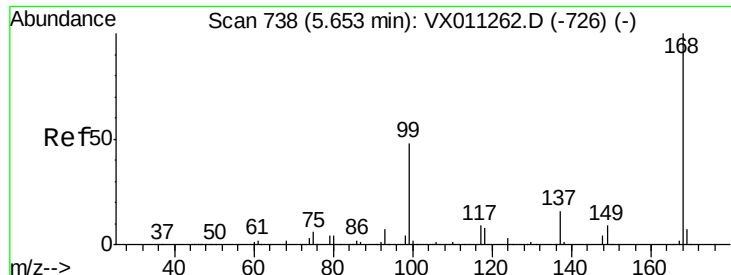
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54861	18.990	ug/l	99
94) Hexachlorobutadiene	13.78	225	27840	18.994	ug/l	99
95) Naphthalene	13.83	128	165676	19.610	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	56161	19.122	ug/l	99

(#) = 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. 0.01 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

ClientSampled :

VX0811WBSD01

Tot Ion:168 Resp: 181241

Ion Ratio Lower Upper

168 100

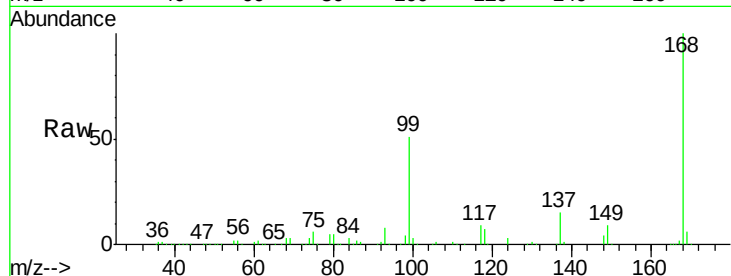
99 51.4 38.5 57.7

Manual Integrations

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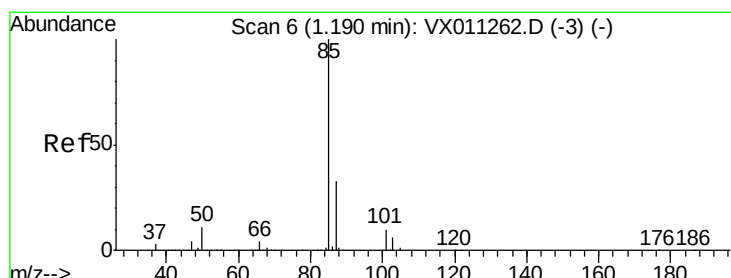
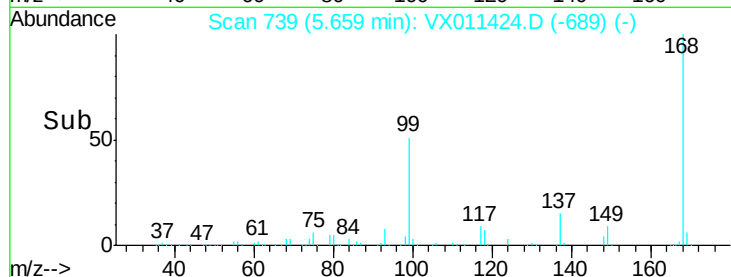
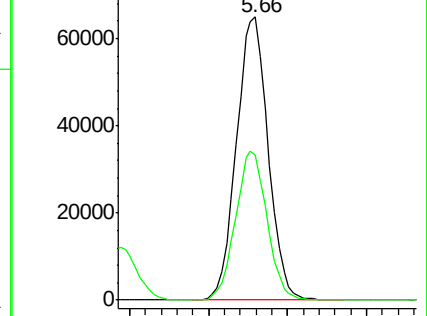
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.372 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011424.D

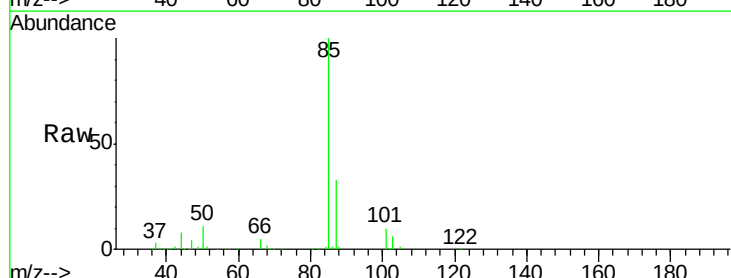
Acq: 11 Aug 2019 12:22

Tgt Ion: 85 Resp: 25717

Ion Ratio Lower Upper

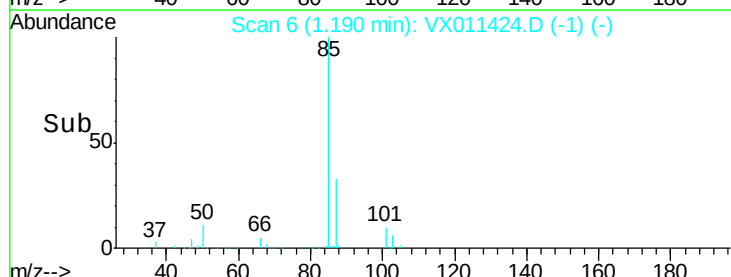
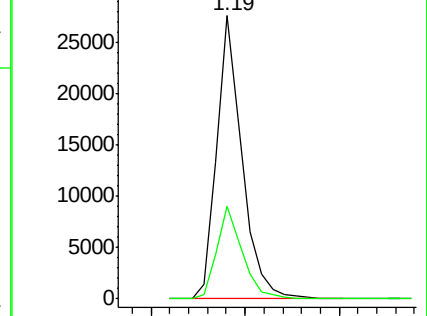
85 100

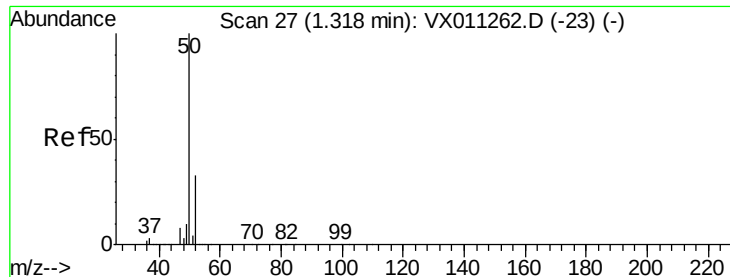
87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.082 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBSD01

Tot Ion: 50 Resp: 28423

Ion Ratio Lower Upper

50 100

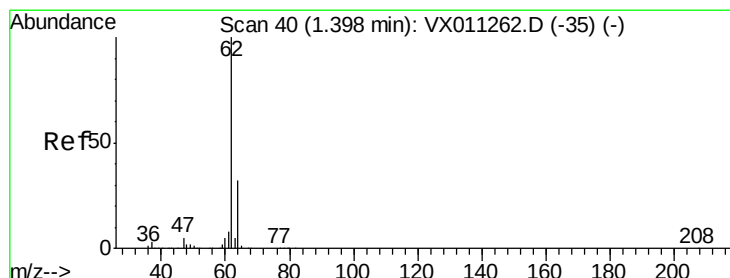
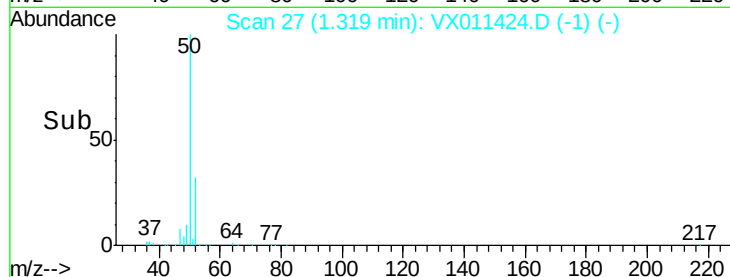
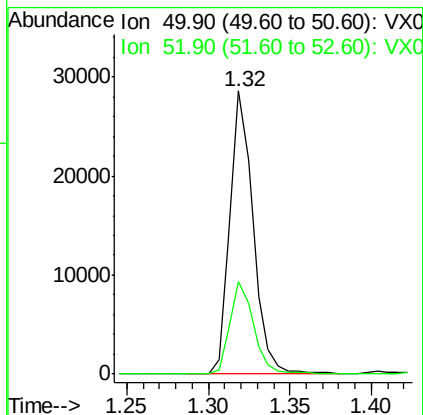
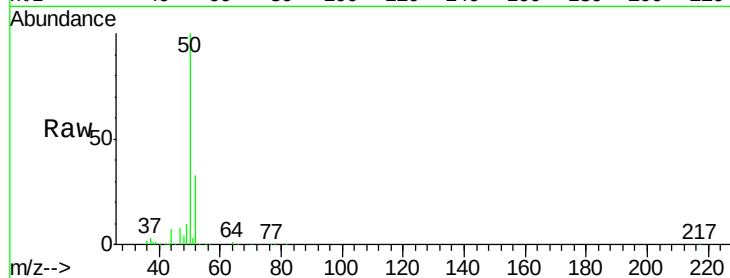
52 32.7 26.4 39.6

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#4

Vinyl Chloride

Concen: 17.210 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011424.D

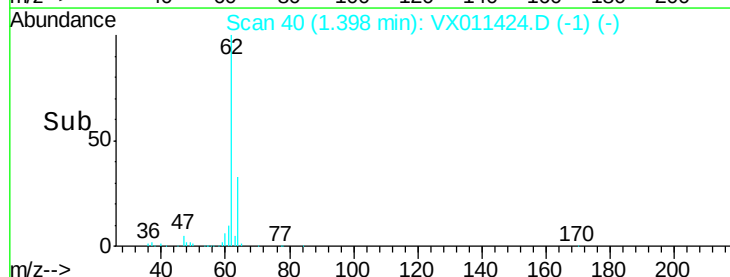
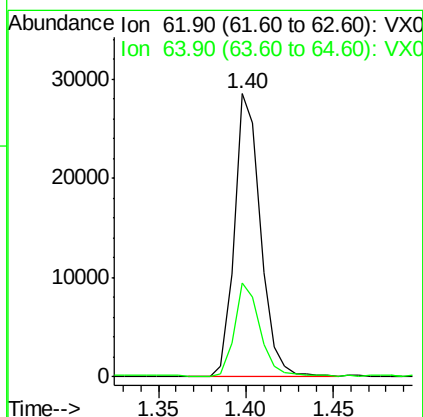
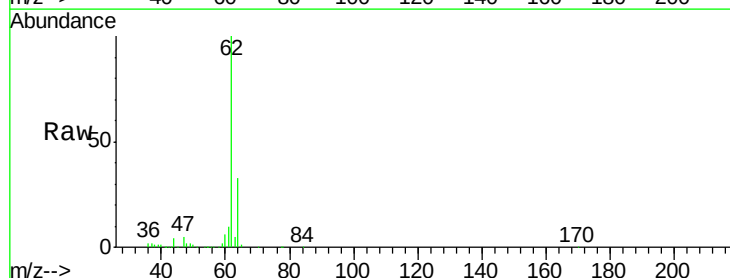
Acq: 11 Aug 2019 12:22

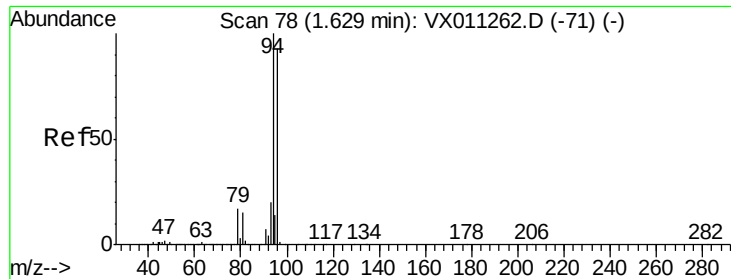
Tgt Ion: 62 Resp: 29758

Ion Ratio Lower Upper

62 100

64 32.7 26.0 39.0





#5

Bromomethane

Concen: 18.443 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBSD01

Tot Ion: 94 Resp: 22744

Ion Ratio Lower Upper

94 100

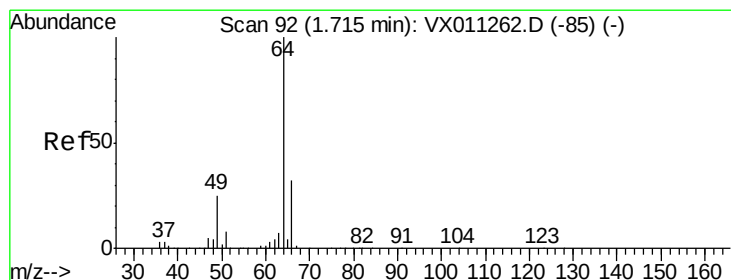
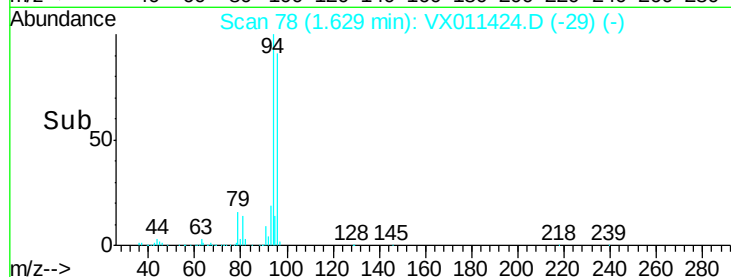
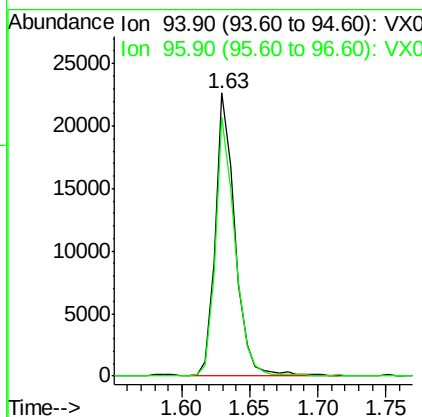
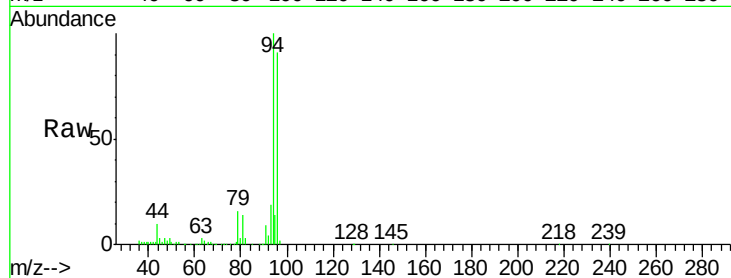
96 91.3 74.6 112.0

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#6

Chloroethane

Concen: 16.695 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011424.D

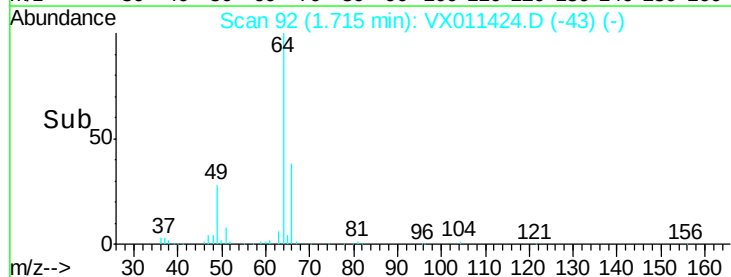
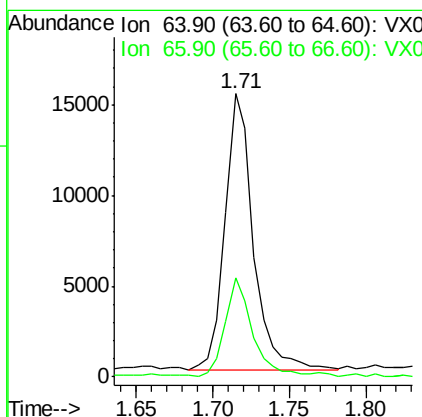
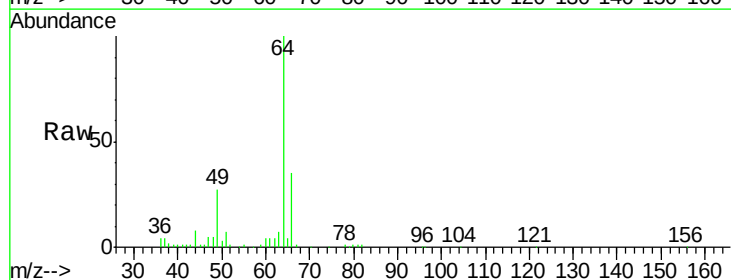
Acq: 11 Aug 2019 12:22

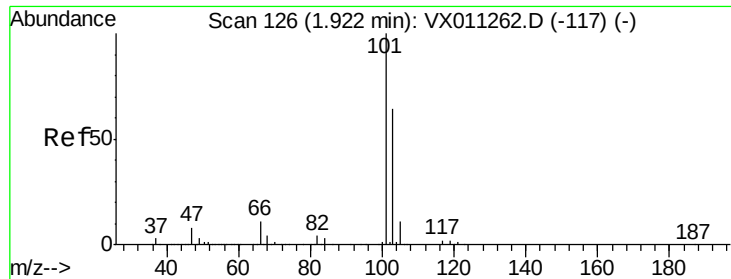
Tgt Ion: 64 Resp: 19739

Ion Ratio Lower Upper

64 100

66 35.5 25.1 37.7





#7

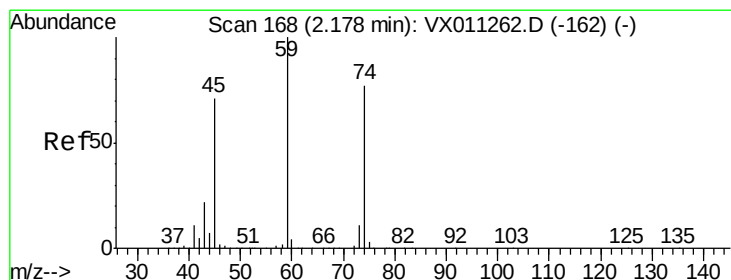
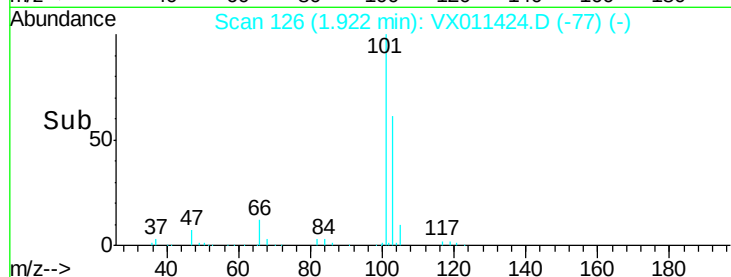
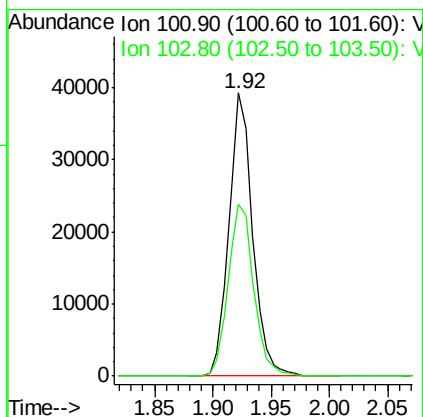
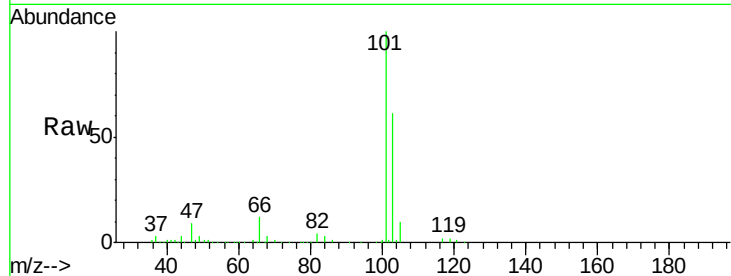
Trichlorofluoromethane
Concen: 18.129 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Instrument :
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ClientSampleId :
VX0811WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.6	50.9	76.3

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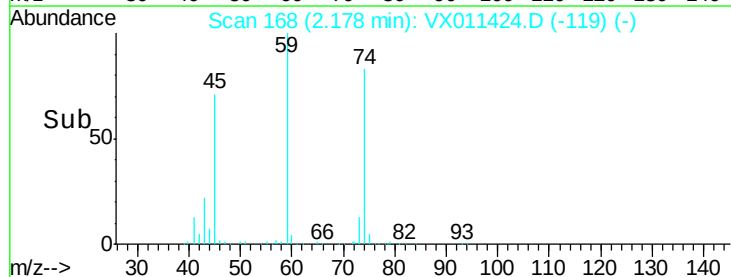
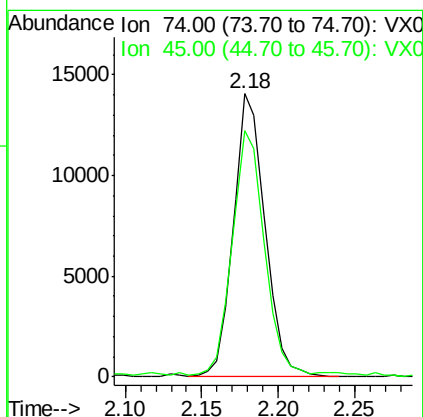
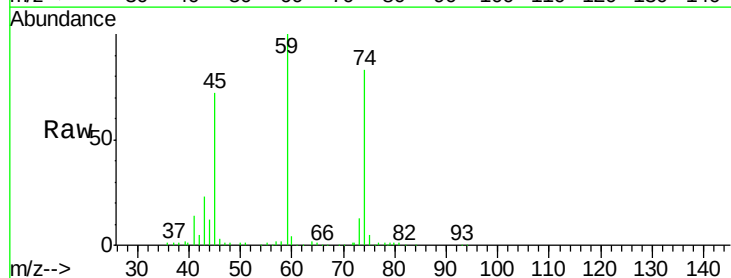
MMDadoda
8/12/2019 10:30:29 AM

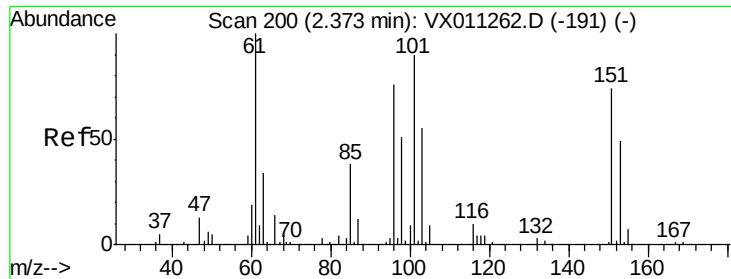


#8

Diethyl Ether
Concen: 18.330 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.4	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.432 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

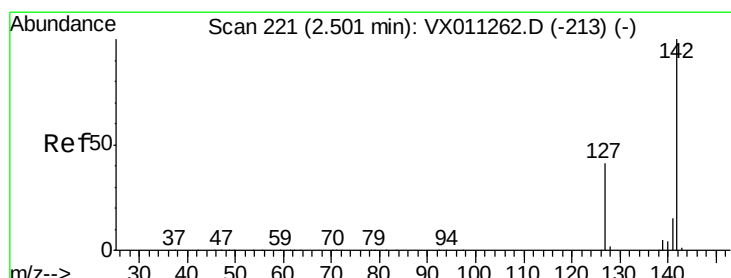
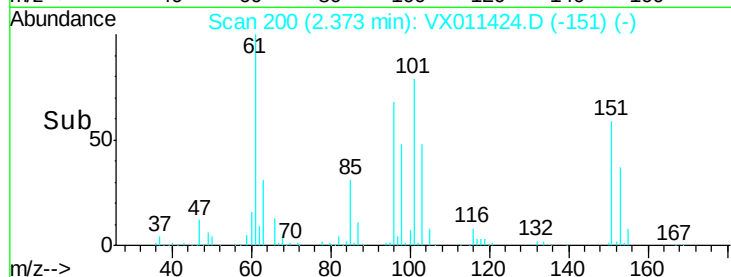
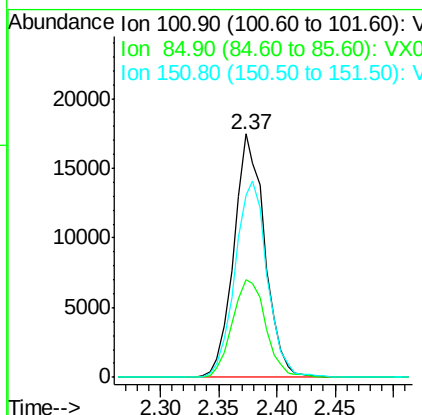
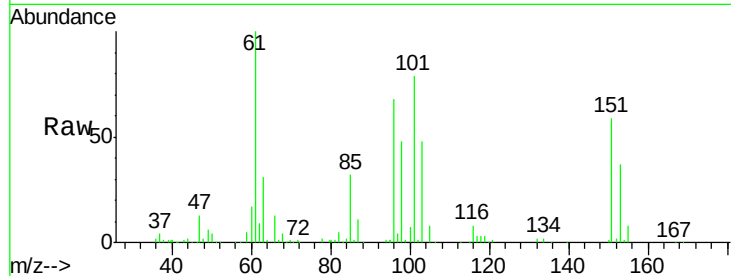
ClientSampleId :

VX0811WBSD01

Tot Ion:	101	Resp:	32326
Ion Ratio	Lower	Upper	
101	100		
85	43.6	33.8	50.6
151	84.3	69.5	104.3

Manual Integrations
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8/12/2019 10:30:29 AM



#10

Methyl Iodide

Concen: 15.959 ug/l

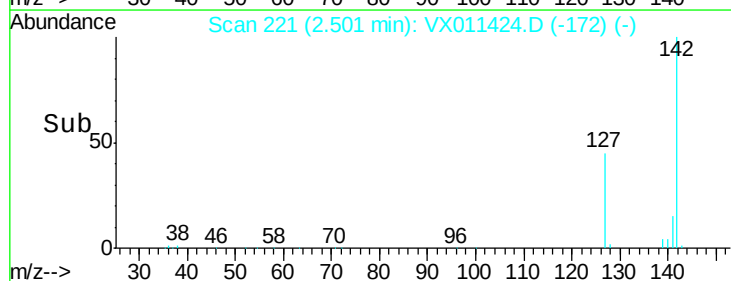
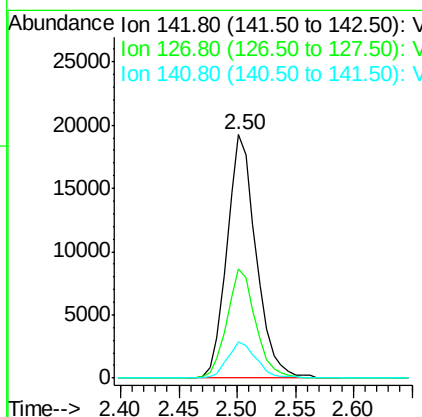
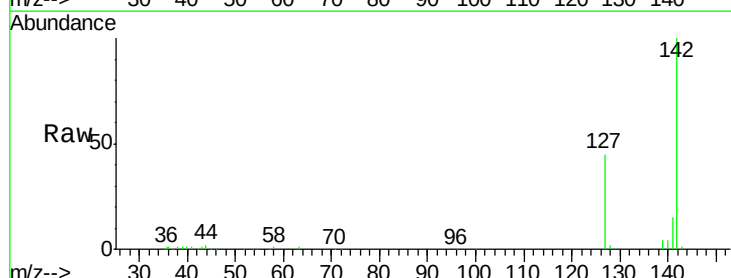
RT: 2.50 min Scan# 221

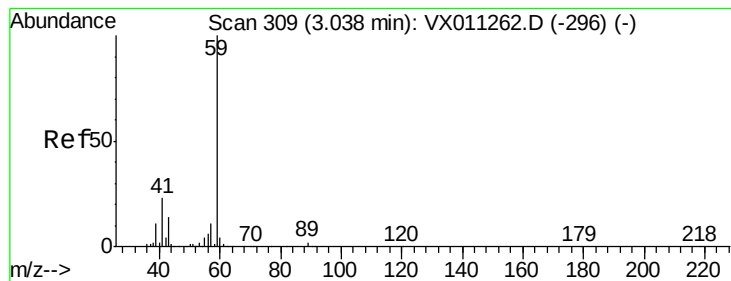
Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Tgt Ion:	142	Resp:	33471
Ion Ratio	Lower	Upper	
142	100		
127	44.0	33.8	50.8
141	14.8	11.4	17.2





#11

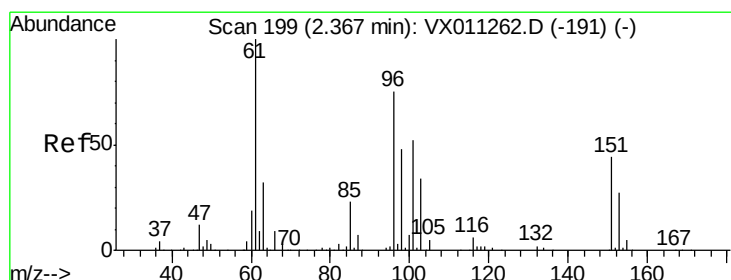
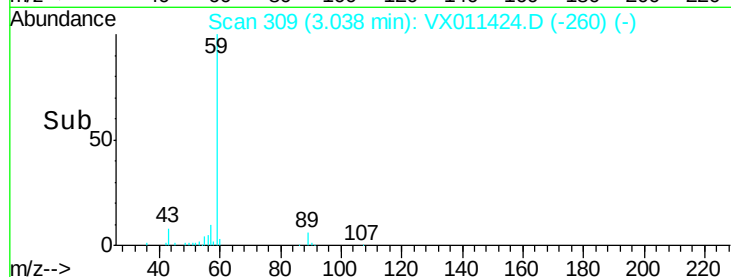
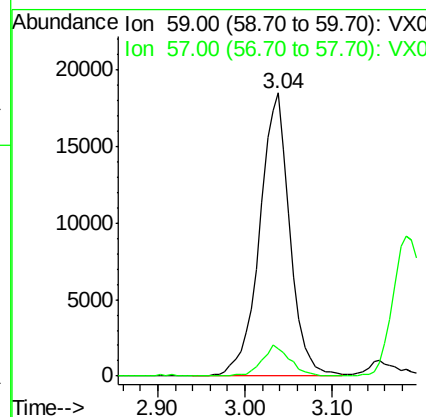
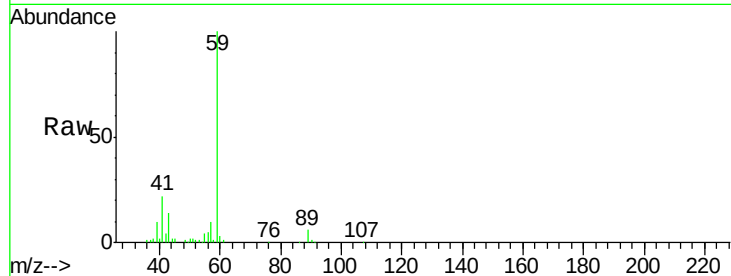
Tert butyl alcohol
 Concen: 122.339 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBSD01

Tot Ion	59	Resp	44522
Ion Ratio	100	Lower	Upper
57	10.3	8.3	12.5

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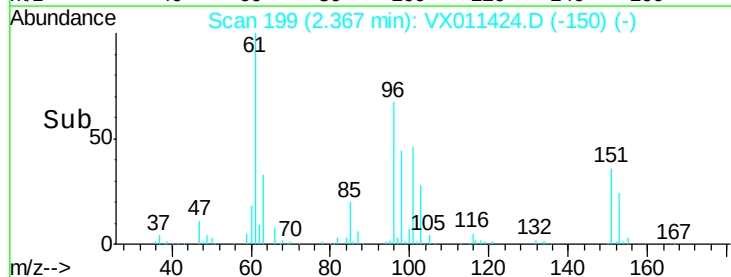
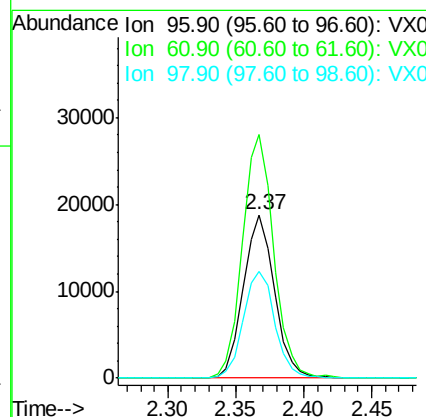
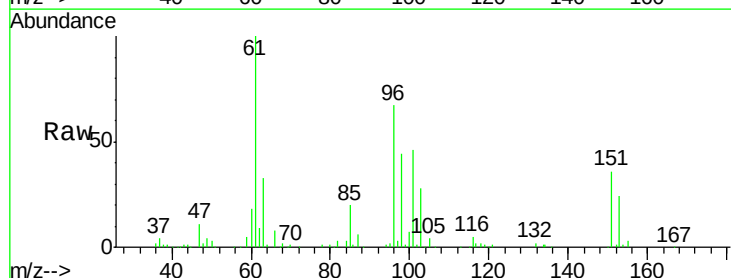
MMDadoda
 8/12/2019 10:30:29 AM

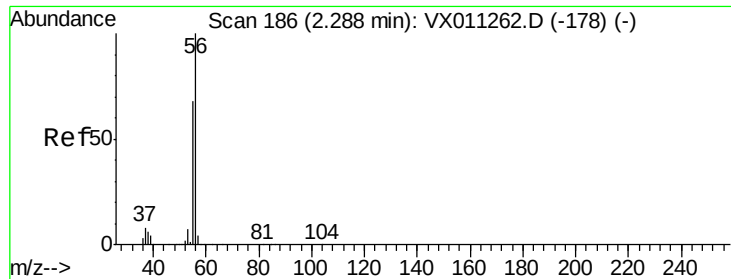


#12

1,1-Dichloroethene
 Concen: 18.266 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Tgt Ion	96	Resp	30121
Ion Ratio	100	Lower	Upper
61	149.4	106.2	159.2
98	65.3	50.6	75.8





#13

Acrolein

Concen: 43.576 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

ClientSampled :

VX0811WBSD01

Tot Ion: 56 Resp: 9935

Ion Ratio Lower Upper

56 100

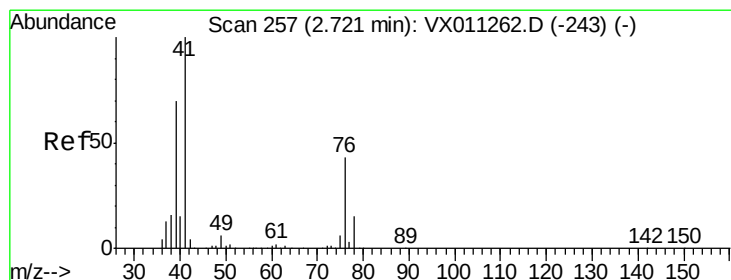
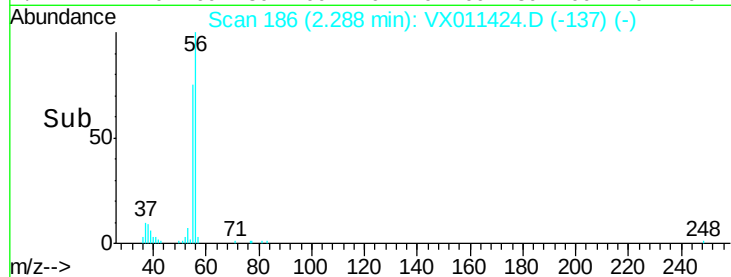
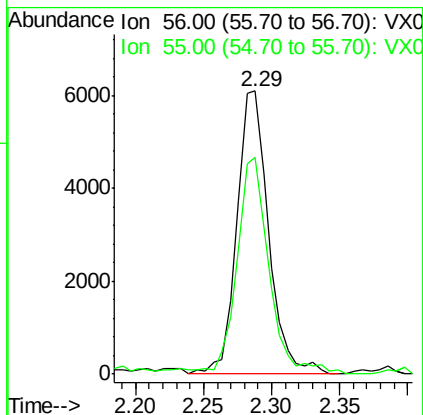
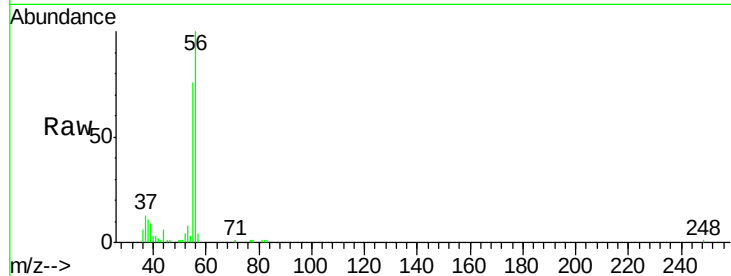
55 77.2 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.962 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

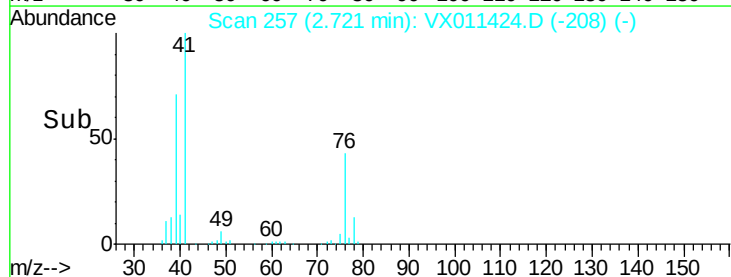
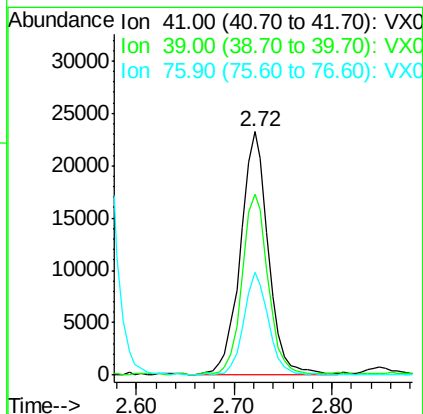
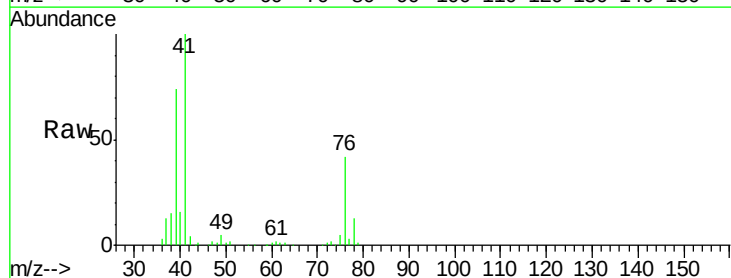
Tgt Ion: 41 Resp: 46081

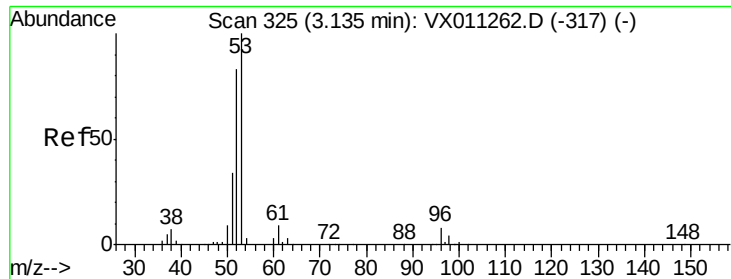
Ion Ratio Lower Upper

41 100

39 68.6 52.8 79.2

76 37.3 31.1 46.7





#15

Acrylonitrile

Concen: 103.082 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

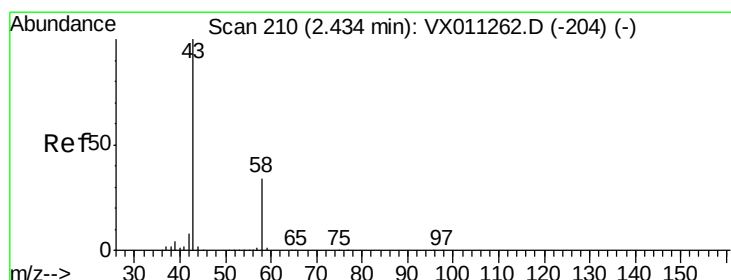
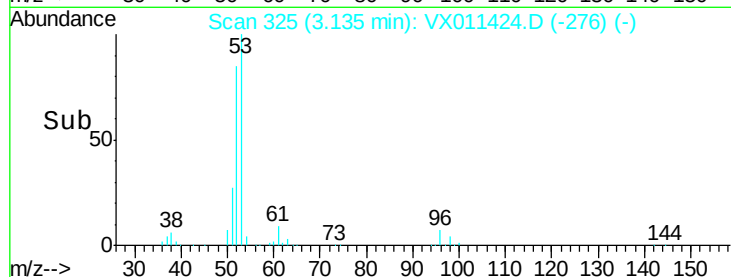
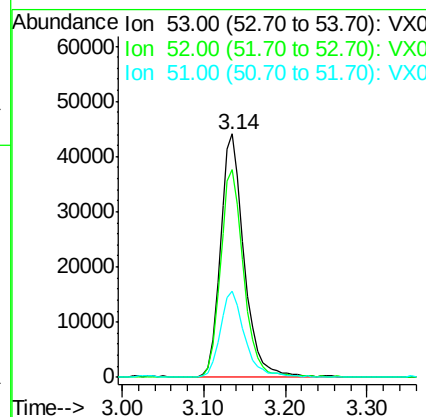
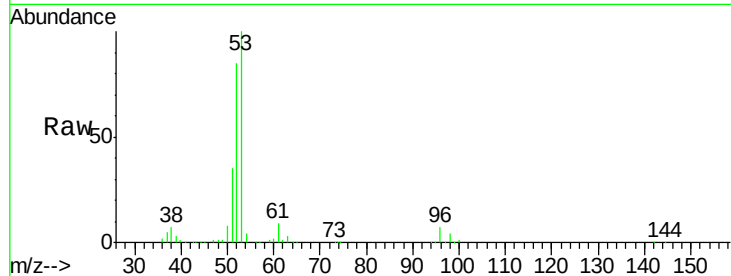
ClientSampleId :

VX0811WBSD01

Tot Ion:	53	Resp:	89529
Ion Ratio		Lower	Upper
53	100		
52	83.9	65.5	98.3
51	36.9	27.9	41.9

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#16

Acetone

Concen: 98.126 ug/l

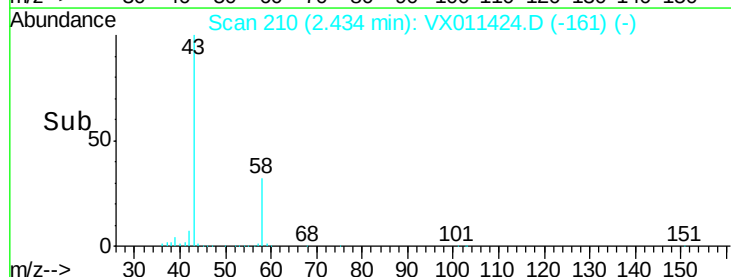
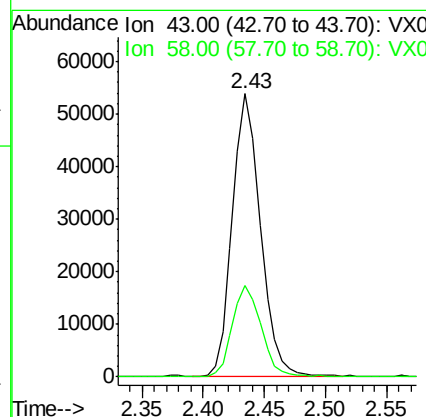
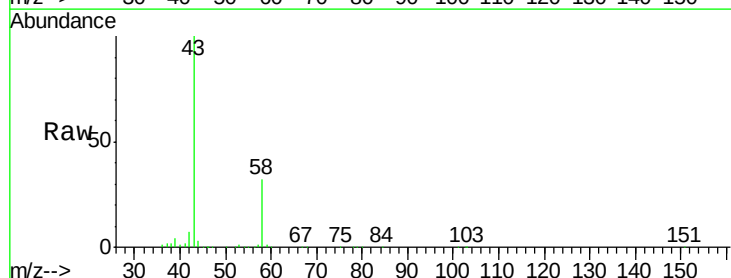
RT: 2.43 min Scan# 210

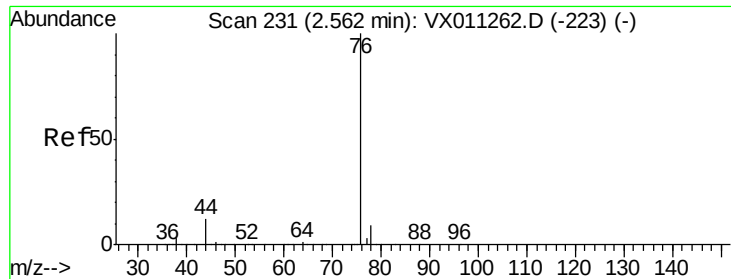
Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Tgt Ion:	43	Resp:	85248
Ion Ratio		Lower	Upper
43	100		
58	32.2	27.4	41.0





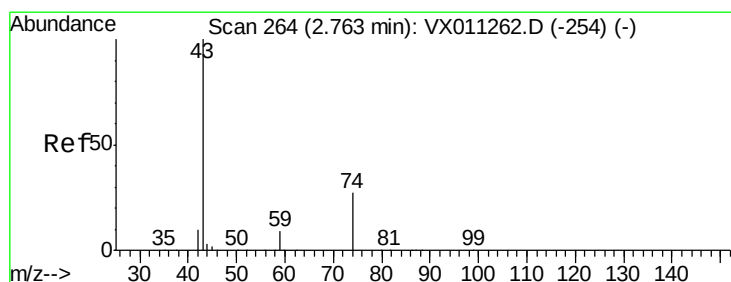
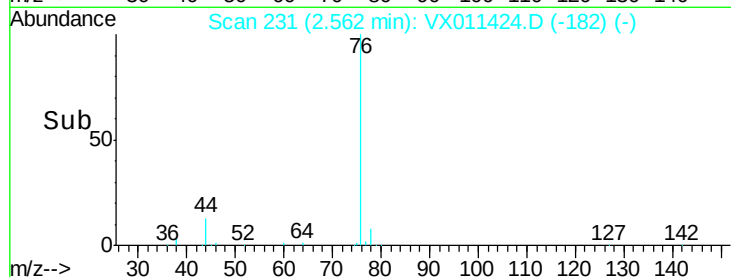
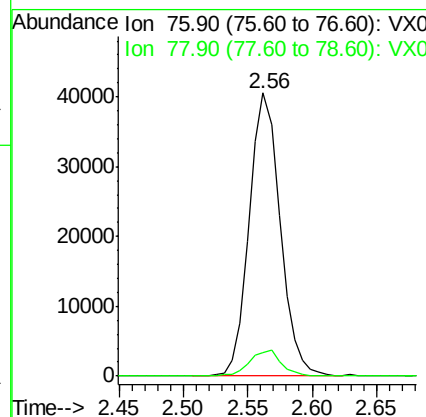
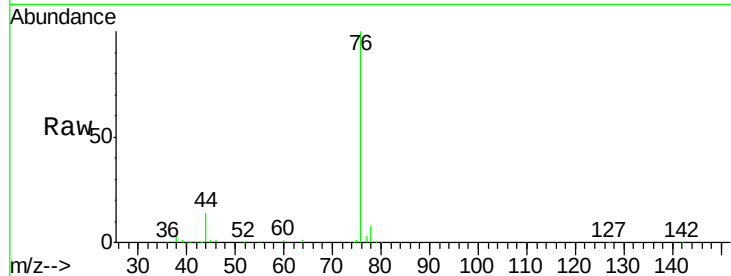
#17
Carbon Disulfide
Concen: 17.412 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.4	11.0

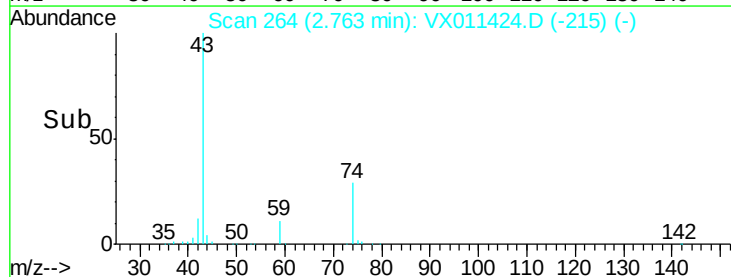
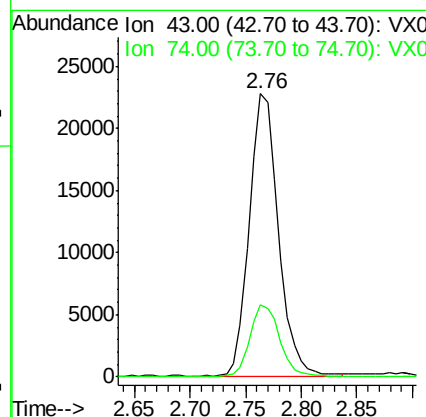
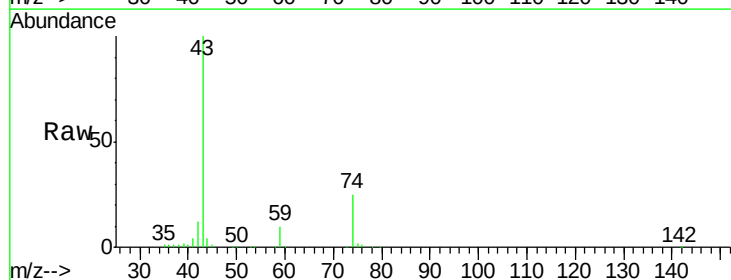
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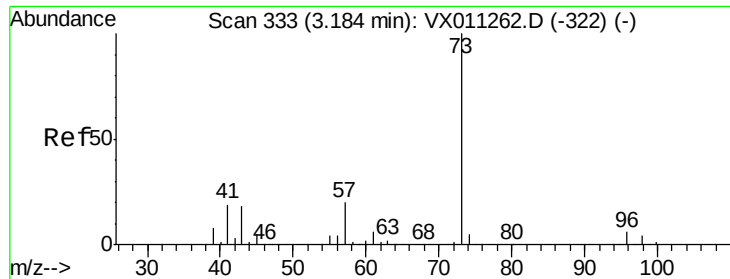
MMDadoda
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#18
Methyl Acetate
Concen: 20.931 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.6	21.0	31.6





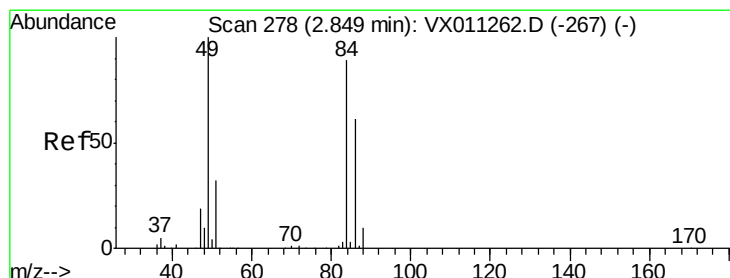
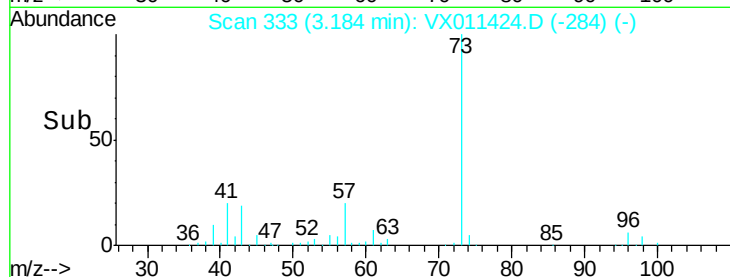
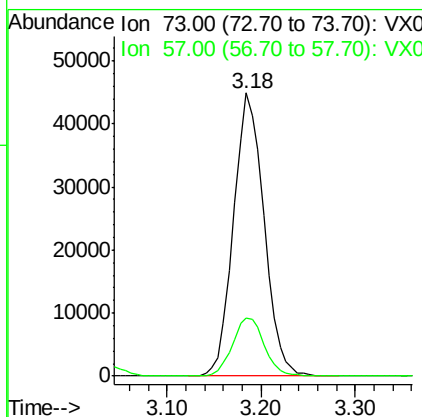
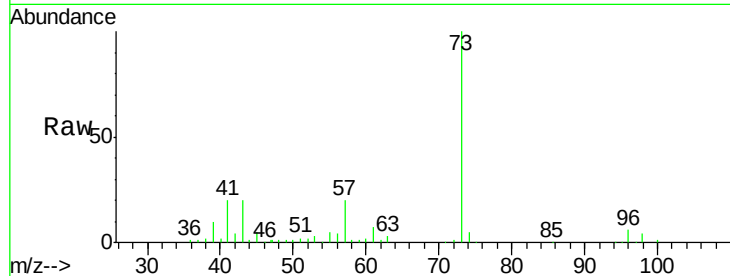
#19
Methyl tert-butyl Ether
Concen: 20.898 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBSD01

Tot Ion: 73 Resp: 101556
Ion Ratio Lower Upper
73 100
57 20.4 16.2 24.2

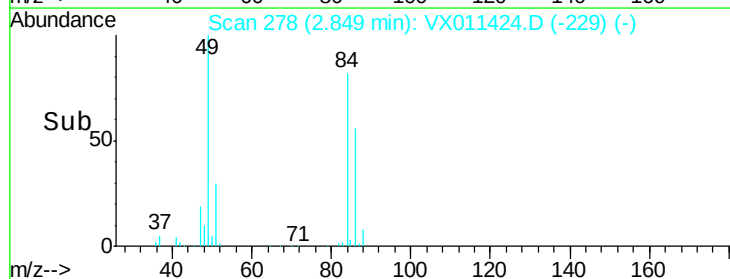
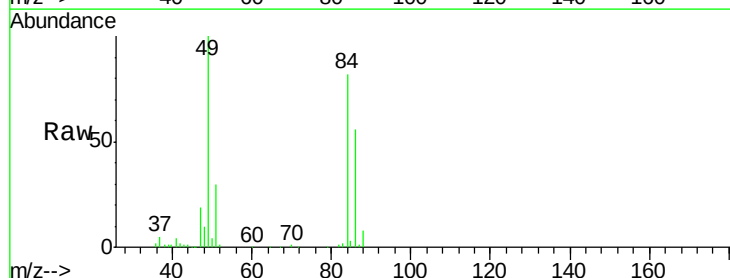
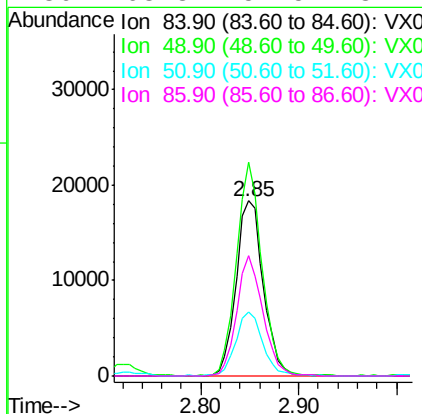
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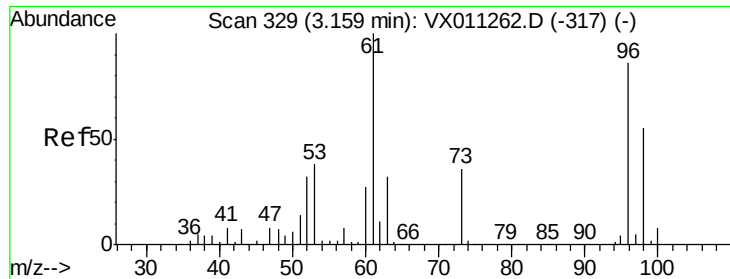
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#20
Methylene Chloride
Concen: 18.692 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Tgt Ion: 84 Resp: 35564
Ion Ratio Lower Upper
84 100
49 121.9 89.3 133.9
51 36.6 28.3 42.5
86 68.3 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 18.777 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBSD01

Tot Ion: 96 Resp: 32753

Ion Ratio Lower Upper

96 100

61 122.8 92.8 139.2

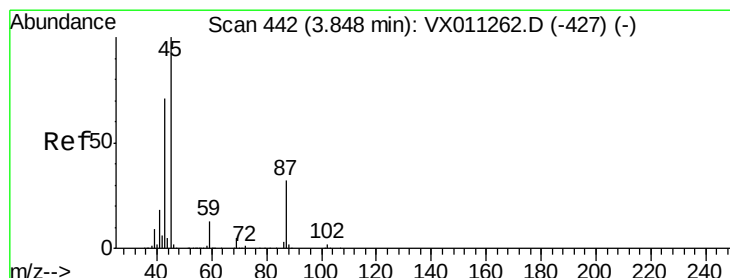
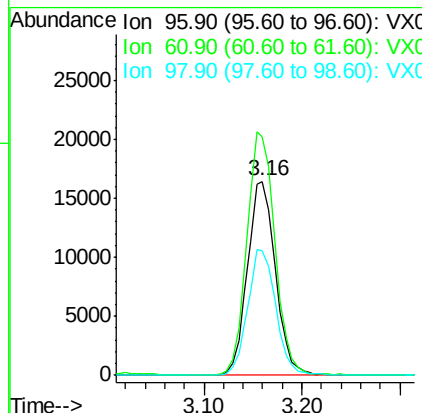
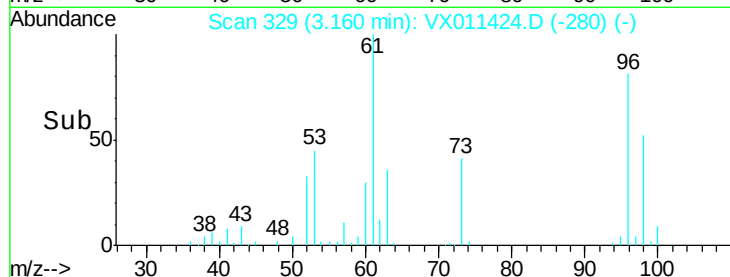
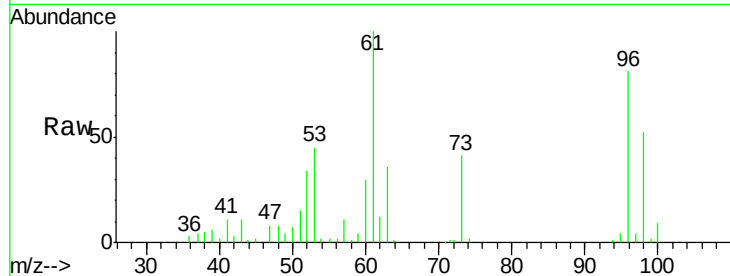
98 64.1 51.2 76.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.519 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Tgt Ion: 45 Resp: 99137

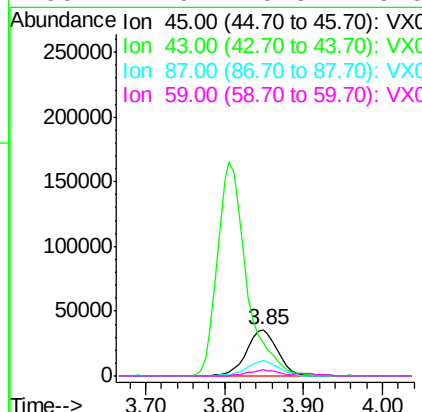
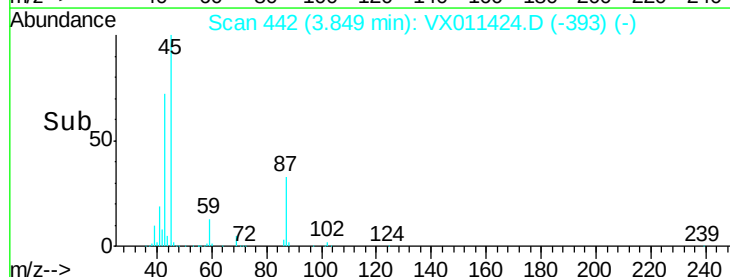
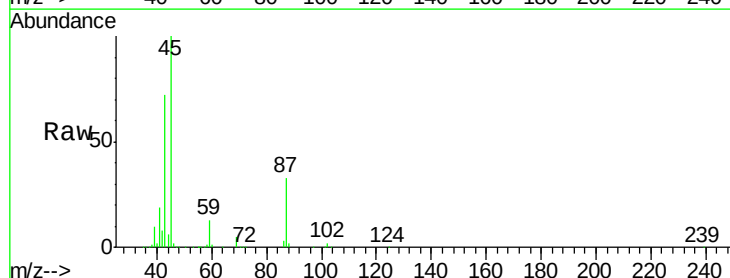
Ion Ratio Lower Upper

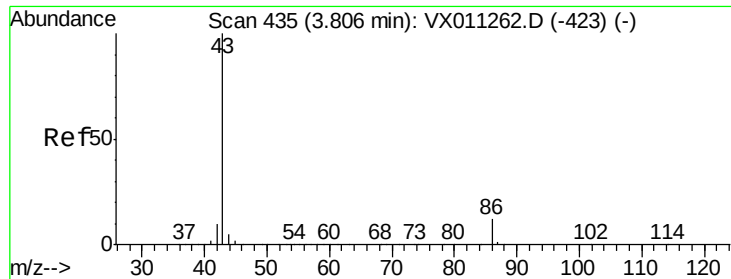
45 100

43 71.6 56.8 85.2

87 32.6 25.8 38.6

59 12.9 10.3 15.5





#23

Vinyl Acetate

Concen: 106.147 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBSD01

Tot Ion: 43 Resp: 425367

Ion Ratio Lower Upper

43 100

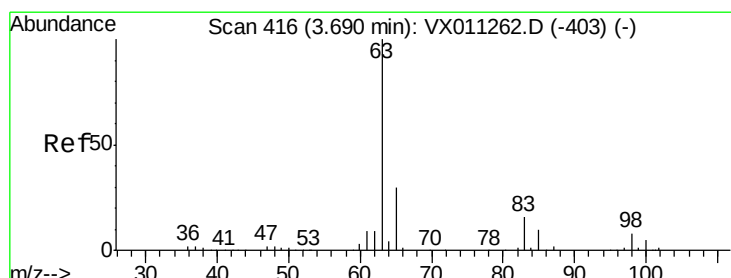
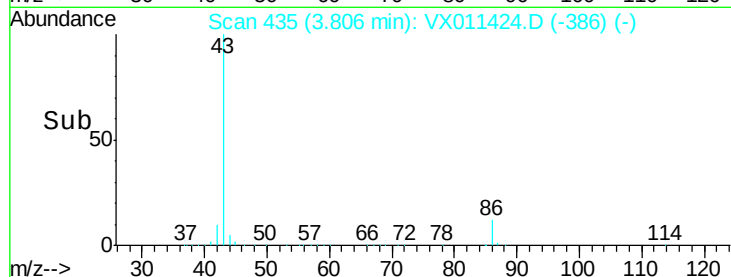
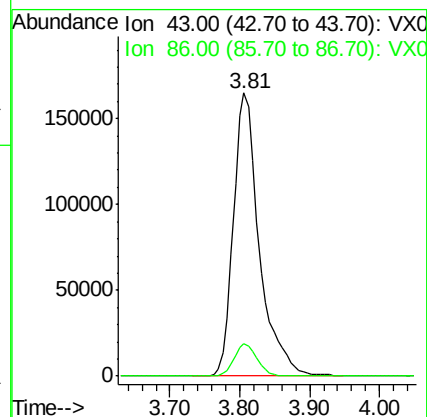
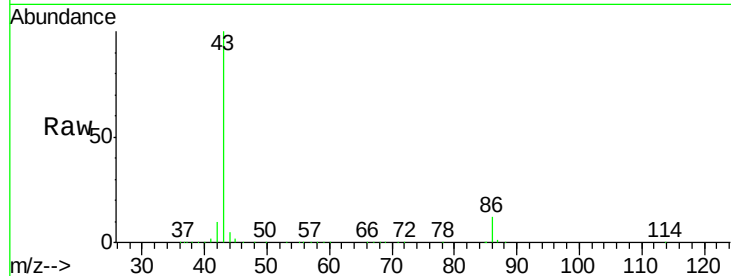
86 11.7 9.6 14.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.426 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

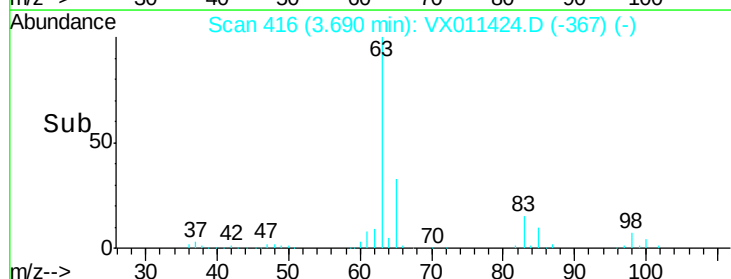
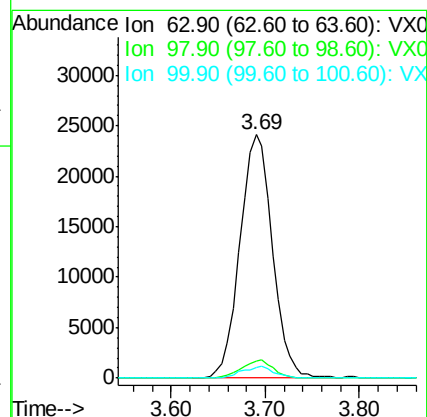
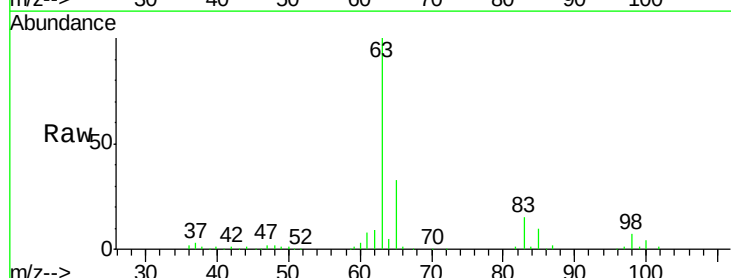
Tgt Ion: 63 Resp: 58195

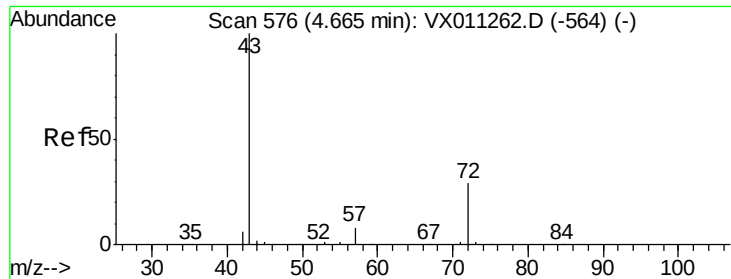
Ion Ratio Lower Upper

63 100

98 6.7 3.9 11.5

100 4.3 2.7 8.1





#25

2-Butanone

Concen: 101.007 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

ClientSampleID :

VX0811WBSD01

Tot Ion: 43 Resp: 124825

Ion Ratio Lower Upper

43 100

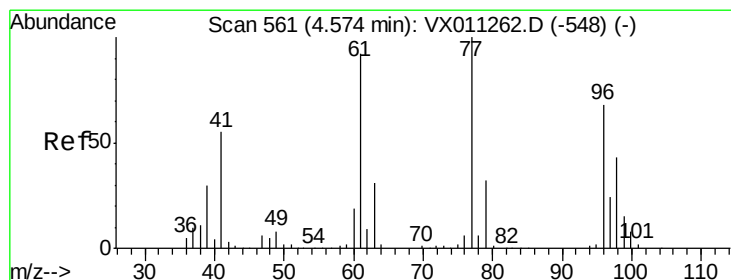
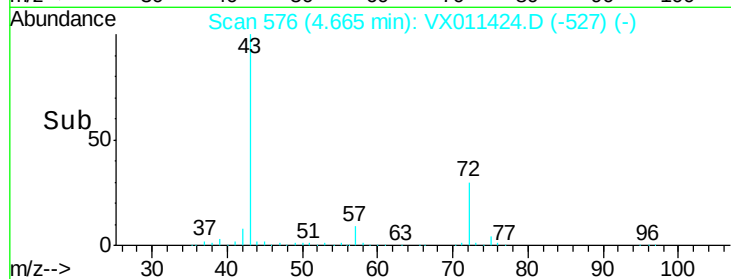
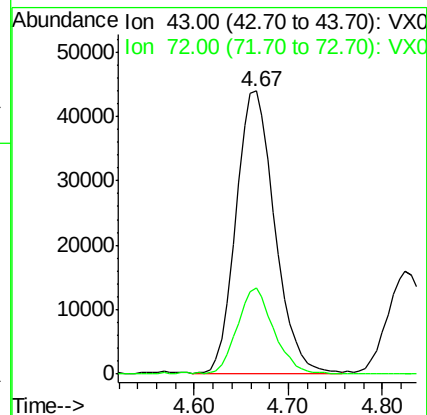
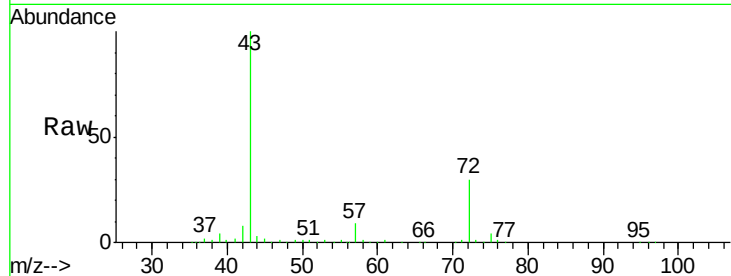
72 30.3 23.2 34.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.628 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX011424.D

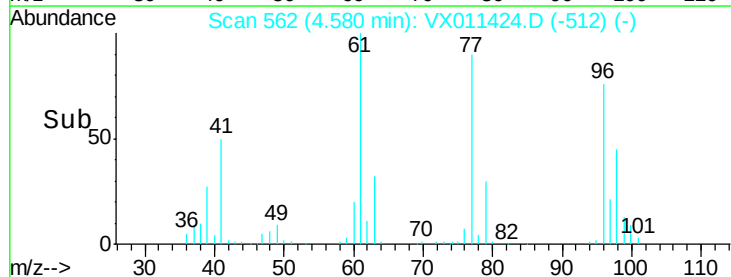
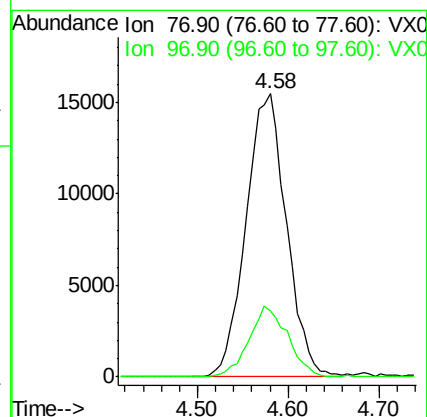
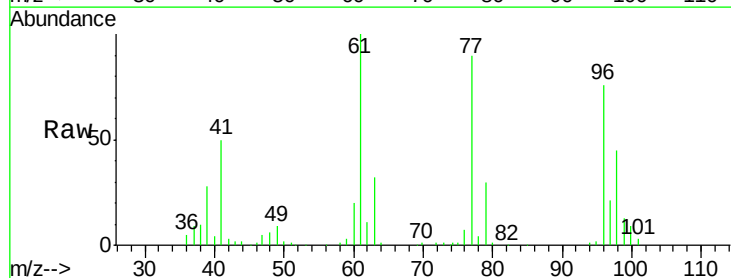
Acq: 11 Aug 2019 12:22

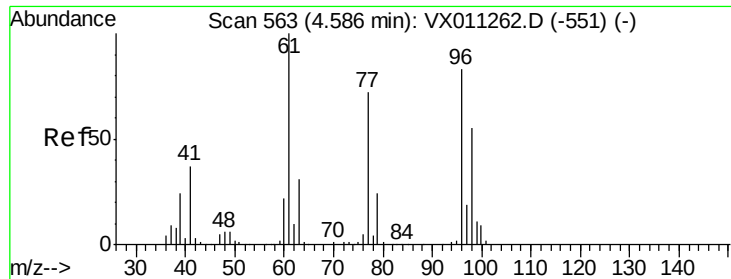
Tgt Ion: 77 Resp: 47900

Ion Ratio Lower Upper

77 100

97 23.7 12.8 38.4





#27

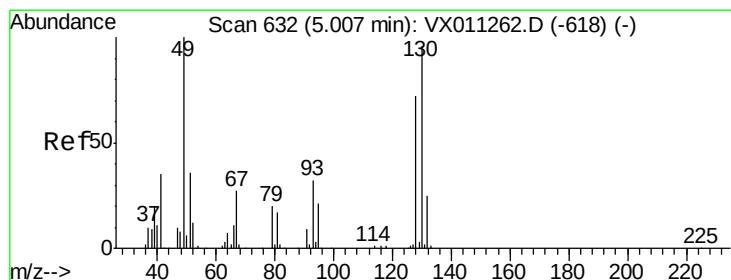
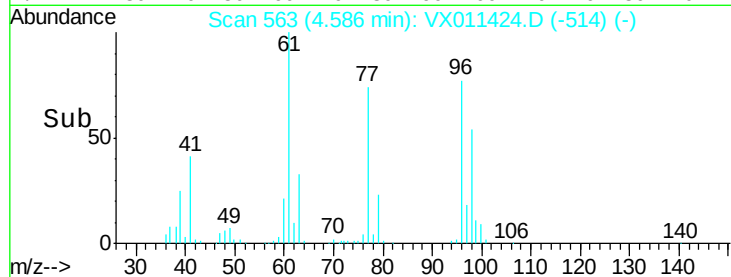
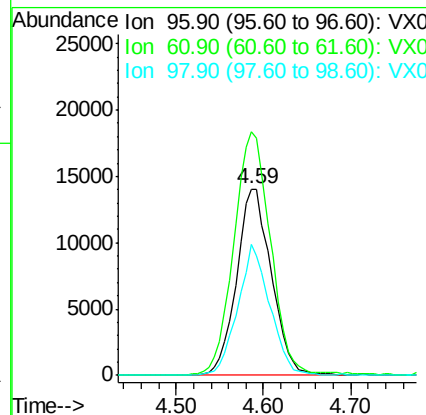
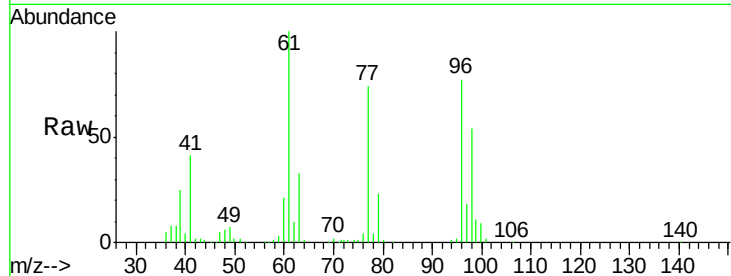
cis-1,2-Dichloroethene
 Concen: 19.430 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	260.2
98	64.5	0.0	133.2

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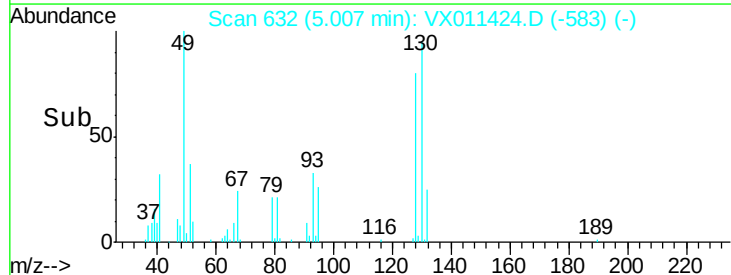
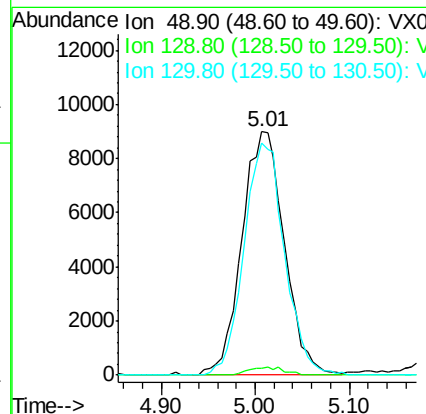
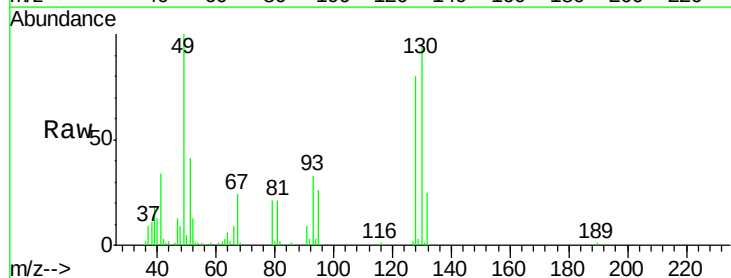
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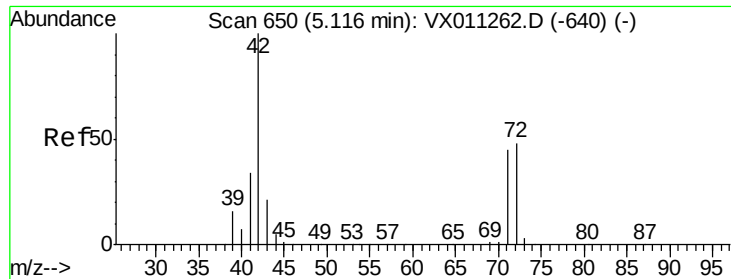


#28

Bromochloromethane
 Concen: 21.841 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.8
130	91.4	77.9	116.9





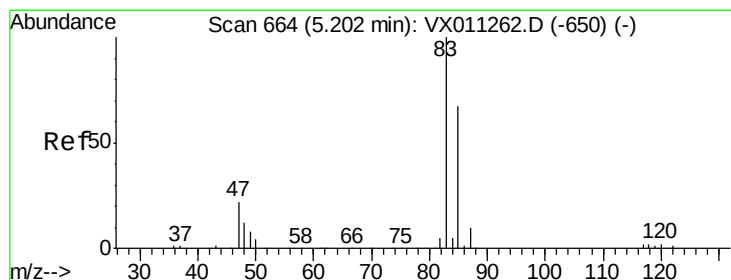
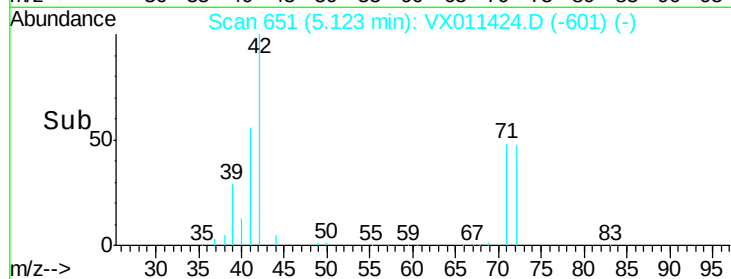
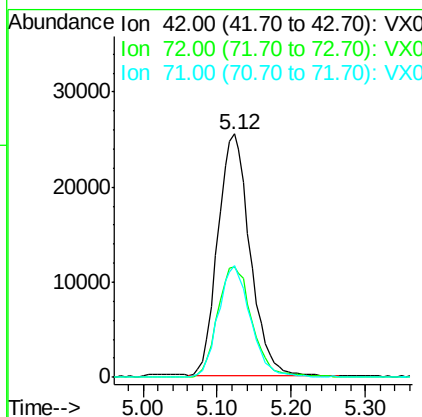
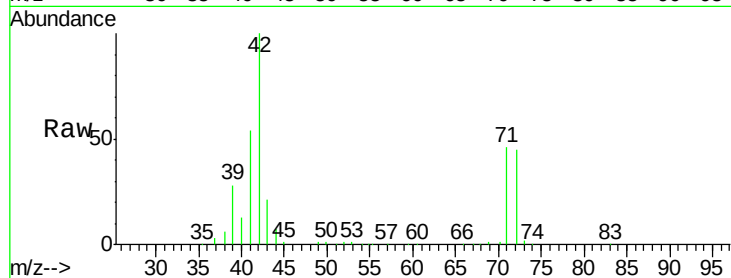
#29
Tetrahydrofuran
Concen: 100.952 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	39.9	59.9
71	46.6	36.9	55.3

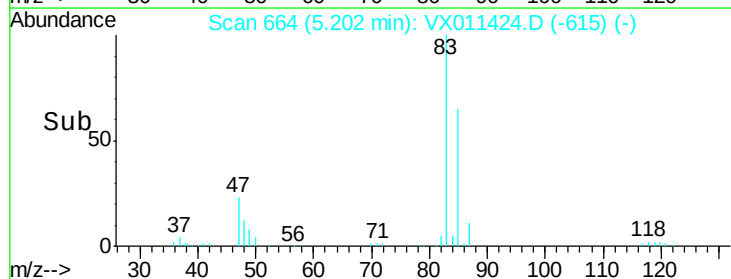
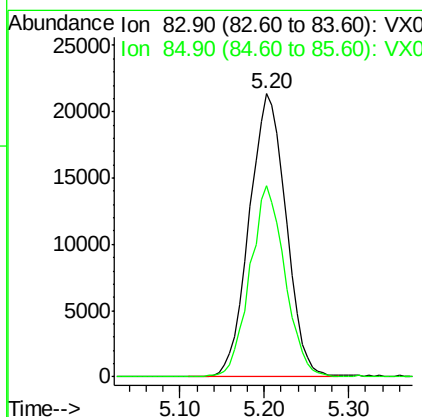
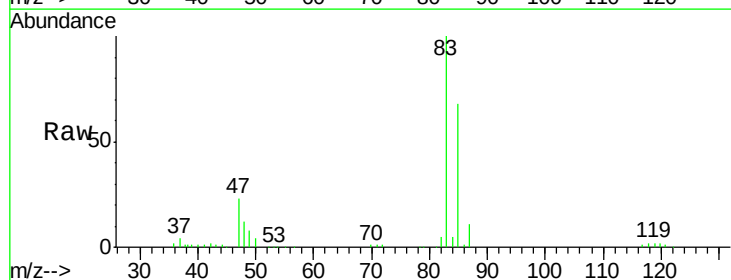
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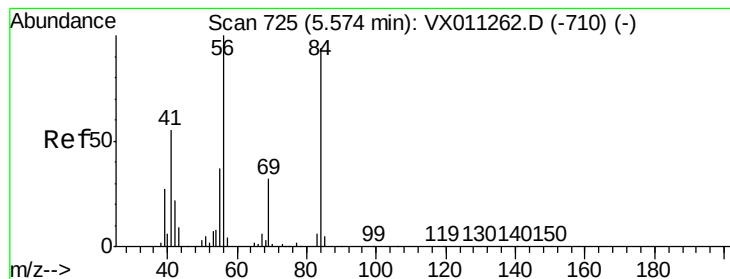
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#30
Chloroform
Concen: 20.531 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	53.4	80.0





#31

Cyclohexane

Concen: 19.011 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

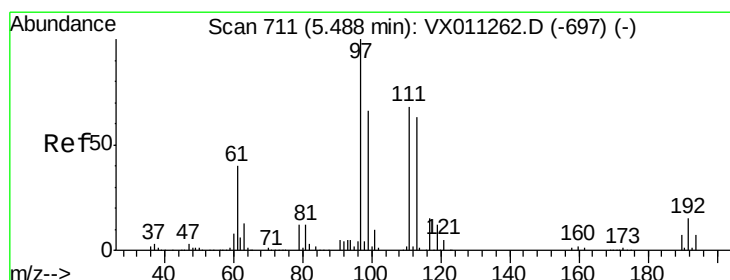
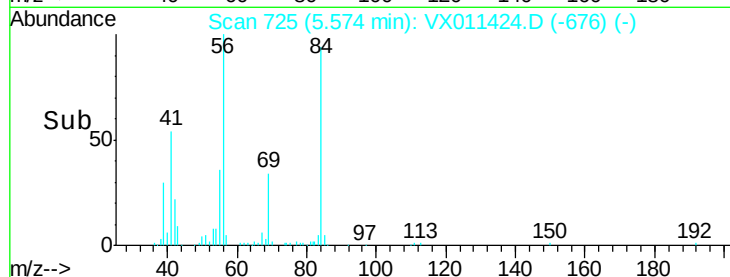
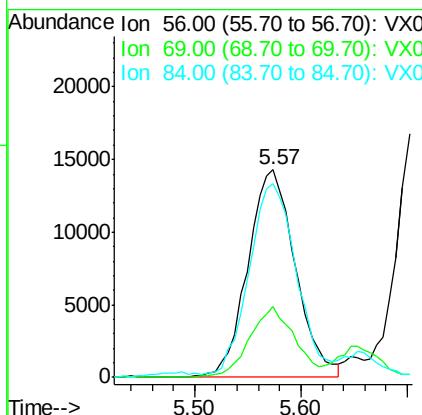
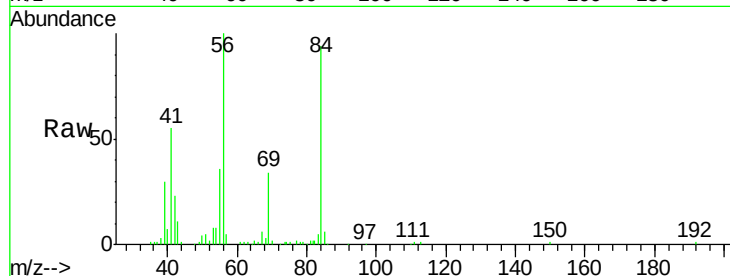
ClientSampleId :

VX0811WBSD01

Tot Ion:	56	Resp:	44685
Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.5	38.3
84	92.0	75.0	112.4

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#32

1,1,1-Trichloroethane

Concen: 20.944 ug/l

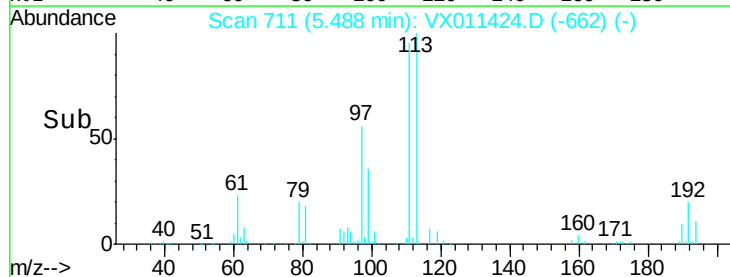
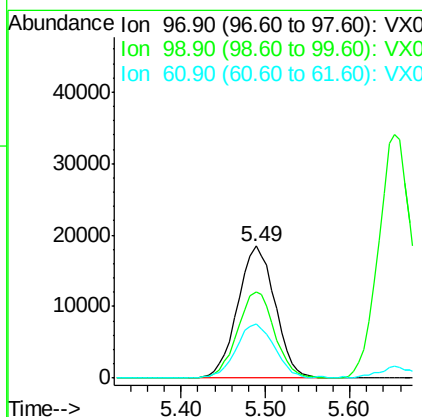
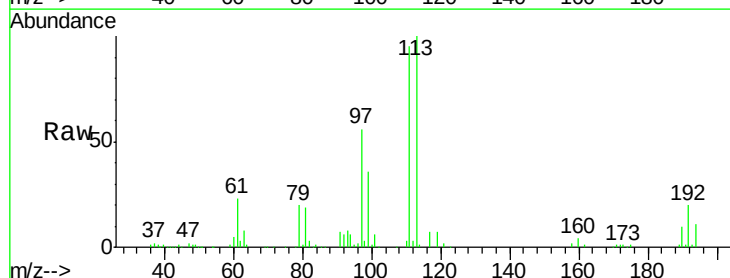
RT: 5.49 min Scan# 711

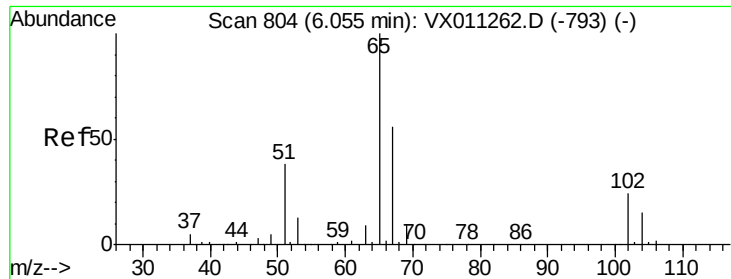
Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Tgt Ion:	97	Resp:	55556
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	42.0	32.3	48.5





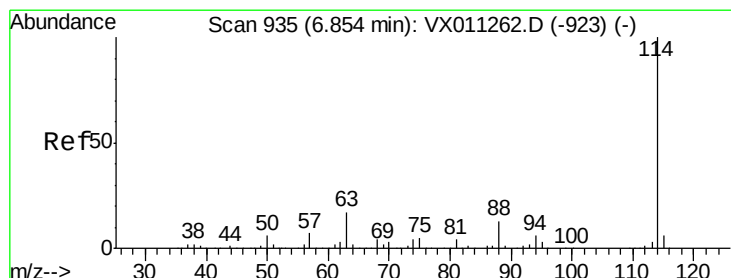
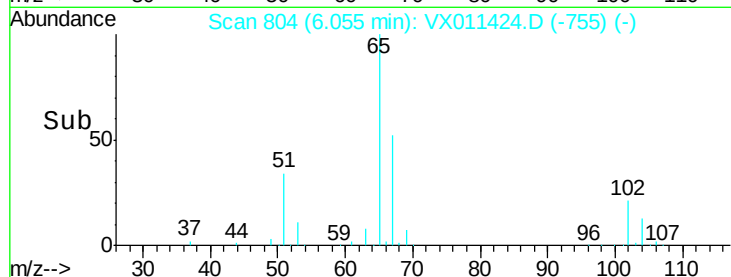
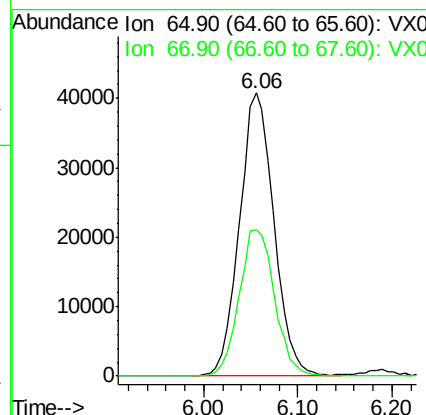
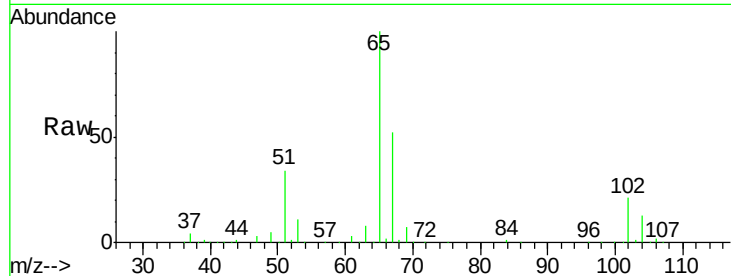
#33
 1,2-Dichloroethane-d4
 Concen: 57.252 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	104496		
67	53.2	0.0	110.6	

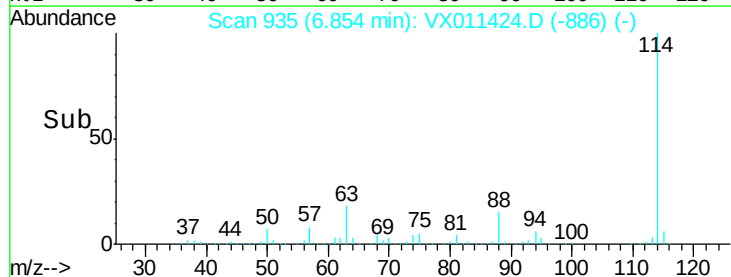
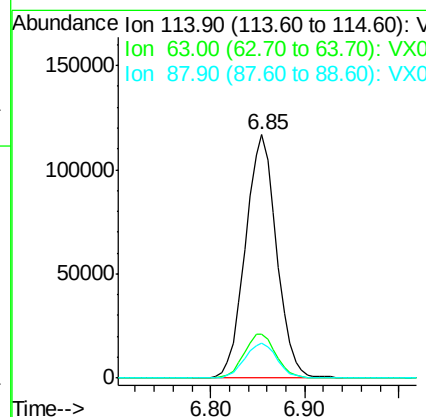
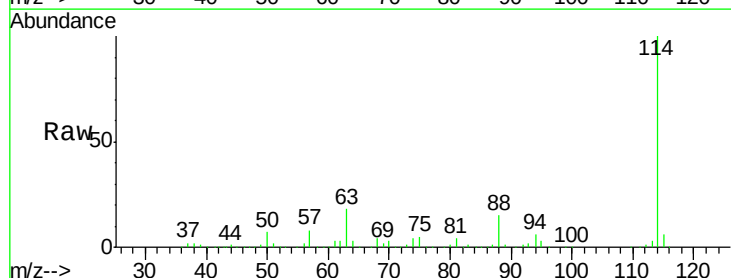
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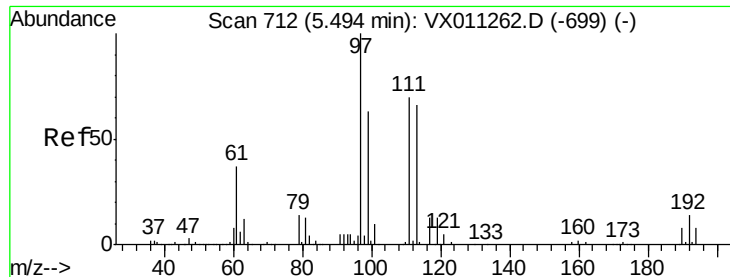
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	270444		
63	18.2	0.0	34.0	
88	14.6	0.0	26.4	





#35

Dibromofluoromethane

Concen: 52.624 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

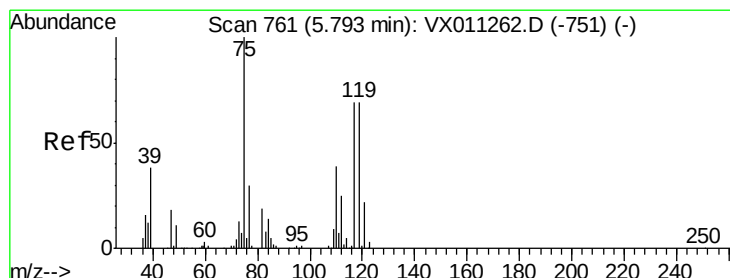
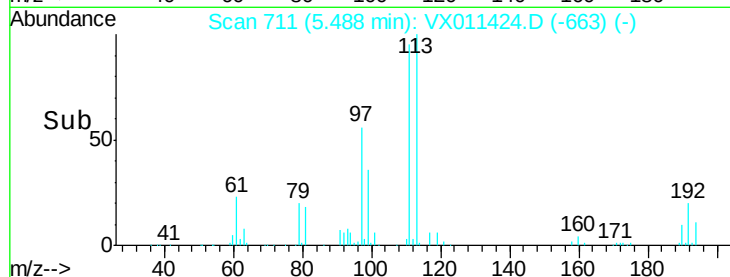
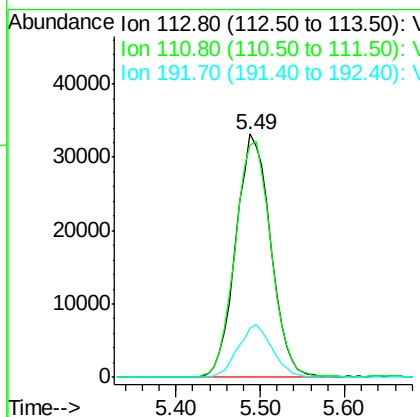
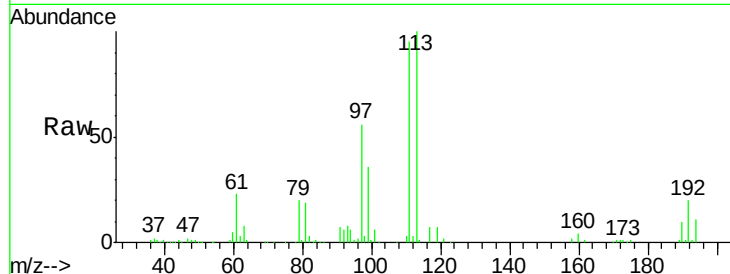
ClientSampleId :

VX0811WBSD01

Tot Ion:	113	Resp:	92916
Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.9	122.9
192	21.1	17.8	26.8

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#36

1,1-Dichloropropene

Concen: 18.647 ug/l

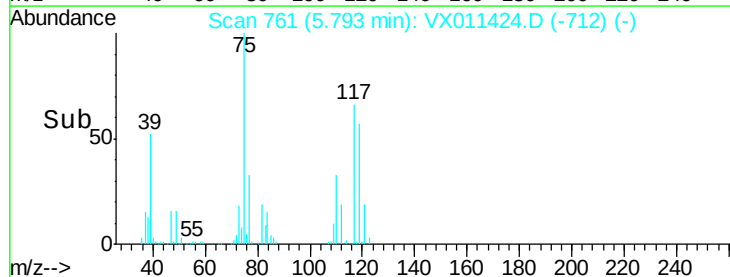
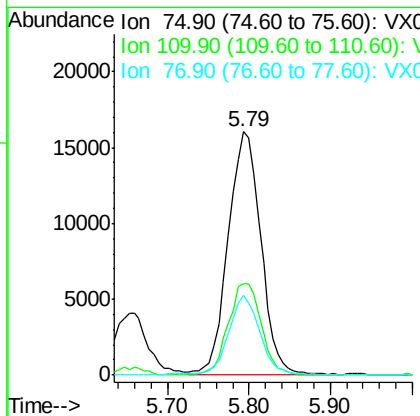
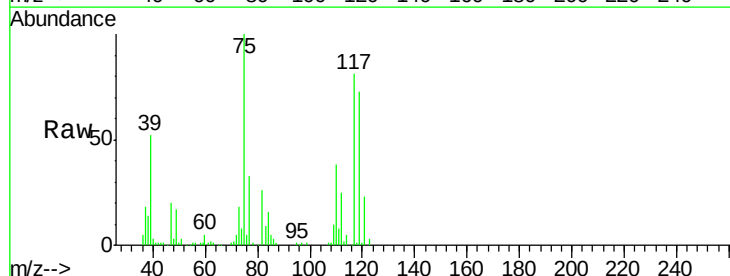
RT: 5.79 min Scan# 761

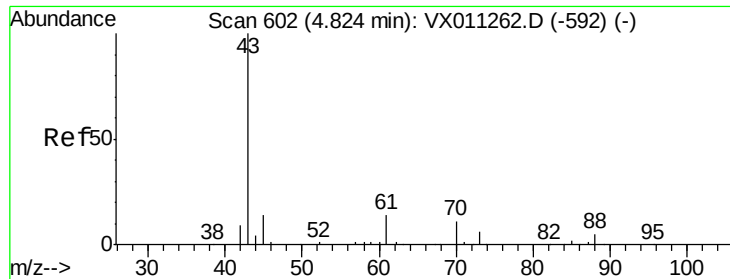
Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Tgt Ion:	75	Resp:	44029
Ion	Ratio	Lower	Upper
75	100		
110	38.3	20.0	59.9
77	31.4	24.8	37.2





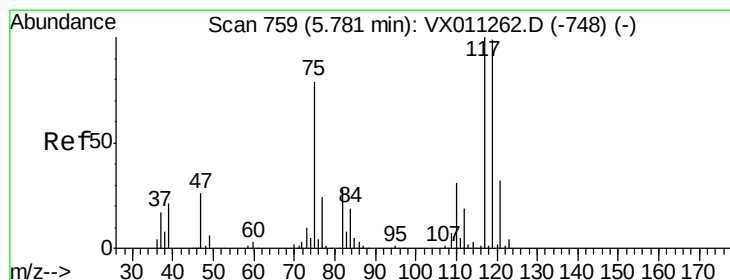
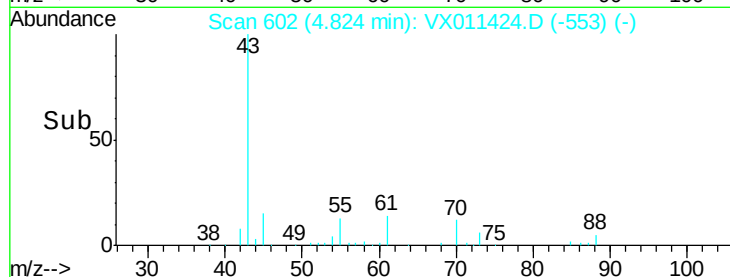
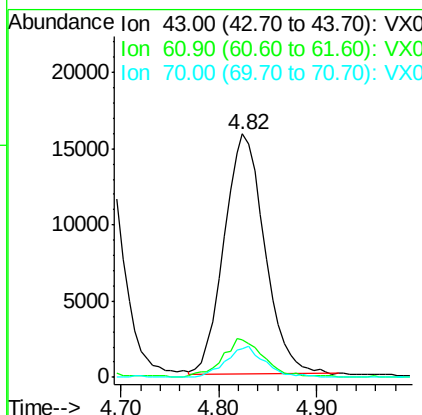
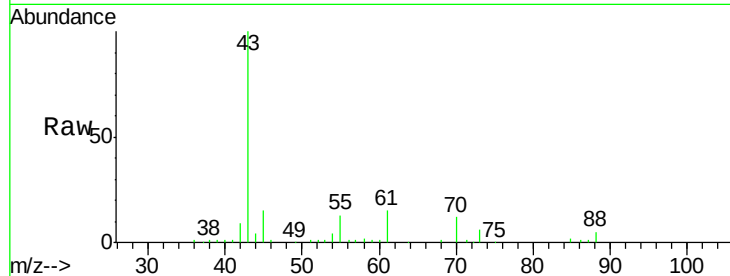
#37
Ethyl Acetate
Concen: 19.116 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	12.6	18.8
70	11.9	9.1	13.7

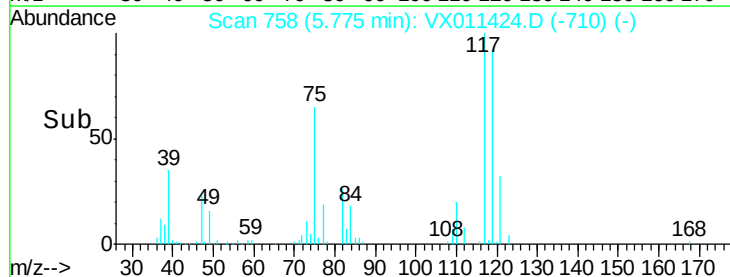
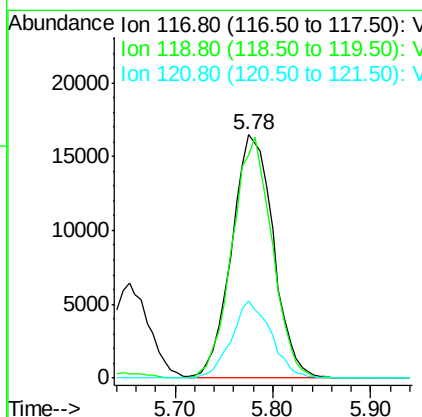
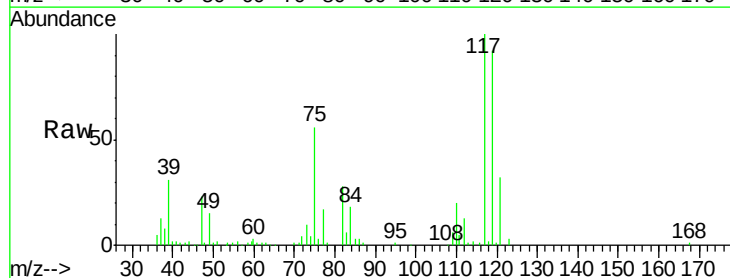
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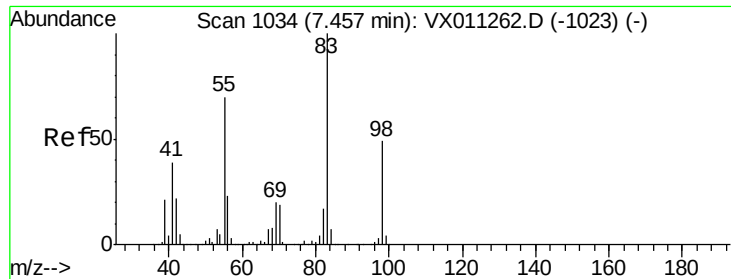
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#38
Carbon Tetrachloride
Concen: 20.537 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	79.0	118.4
121	31.9	25.9	38.9





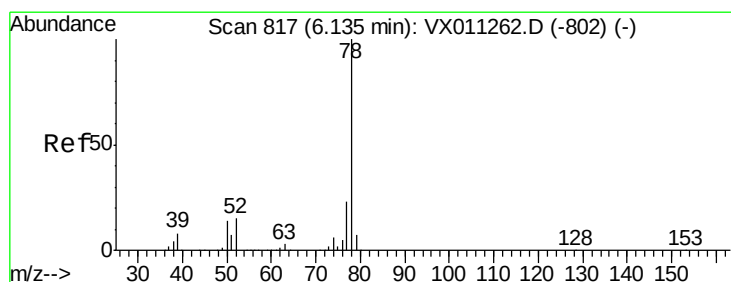
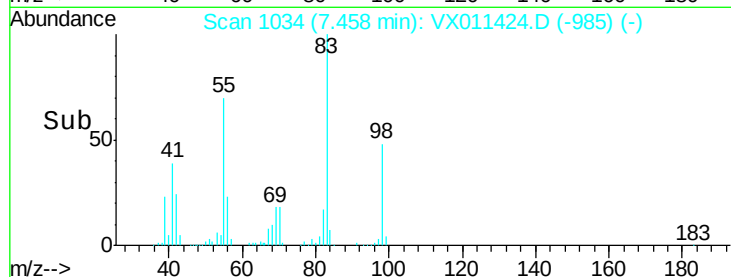
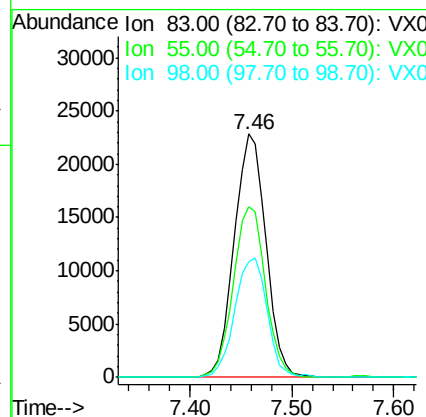
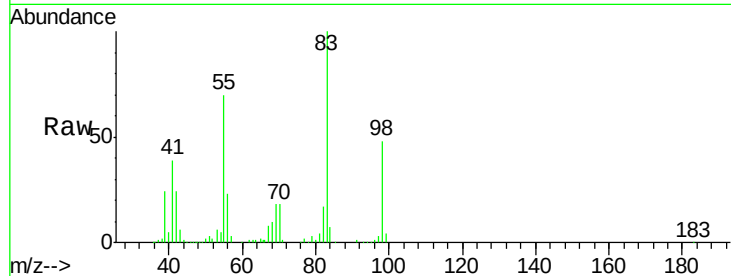
#39
Methylvlcyclohexane
Concen: 17.579 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.0	56.1	84.1
98	47.5	39.0	58.4

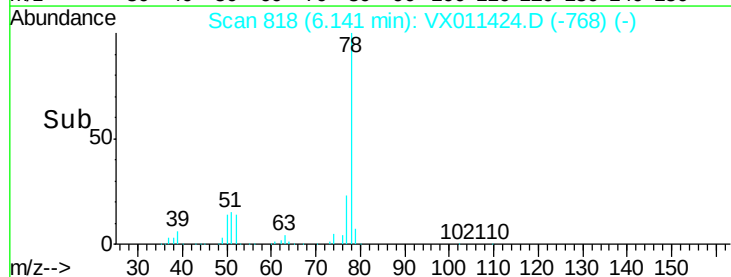
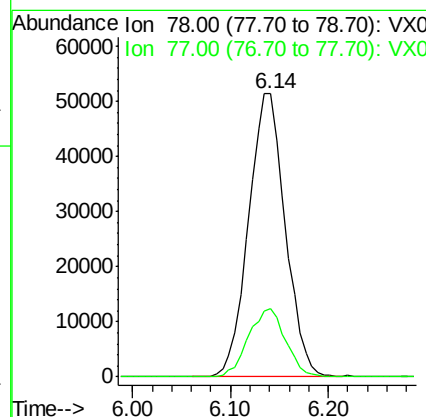
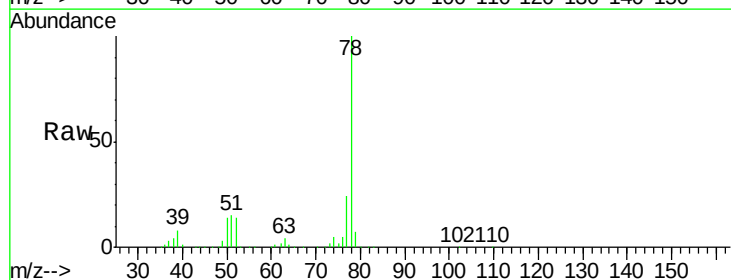
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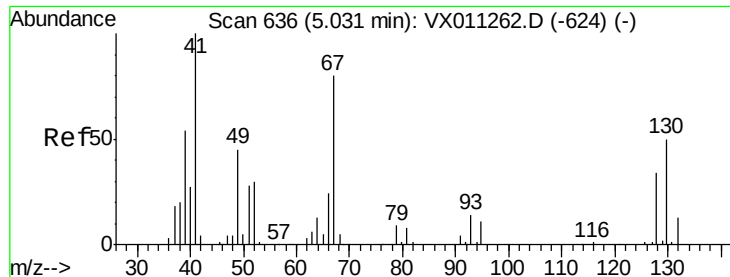
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#40
Benzene
Concen: 19.006 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.2	27.2





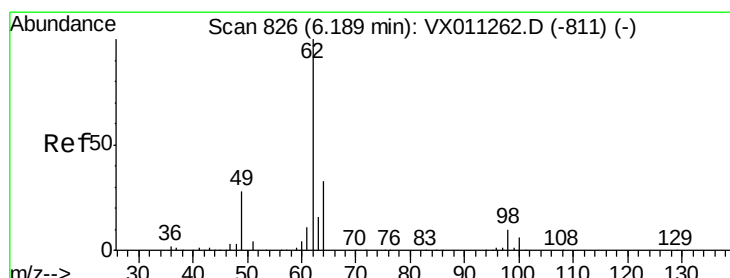
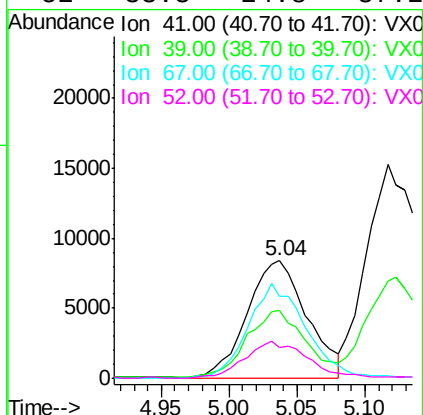
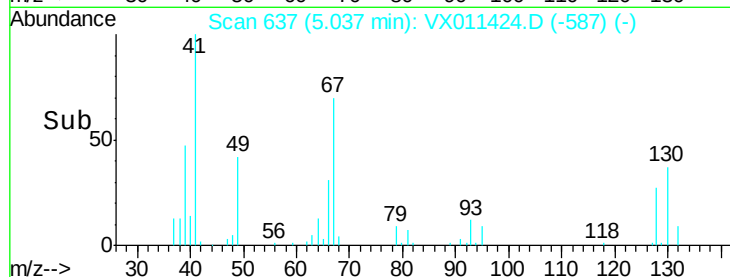
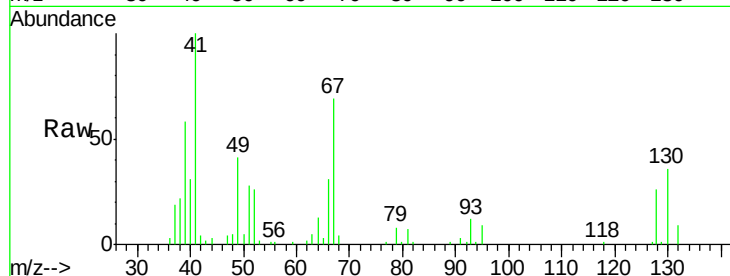
#41
Methacrylonitrile
Concen: 20.022 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.5	43.0	64.6
67	78.3	65.1	97.7
52	33.3	24.8	37.2

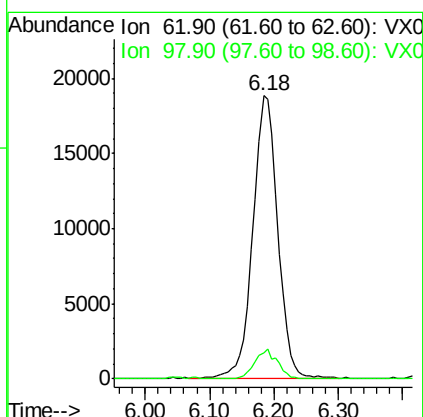
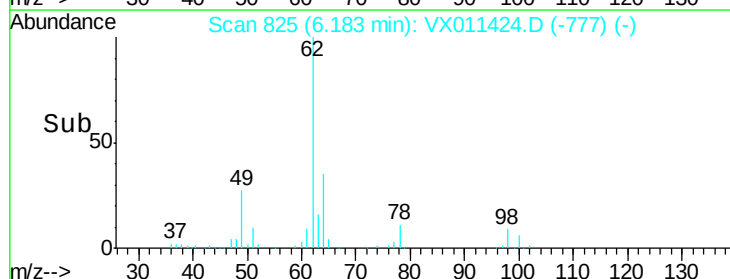
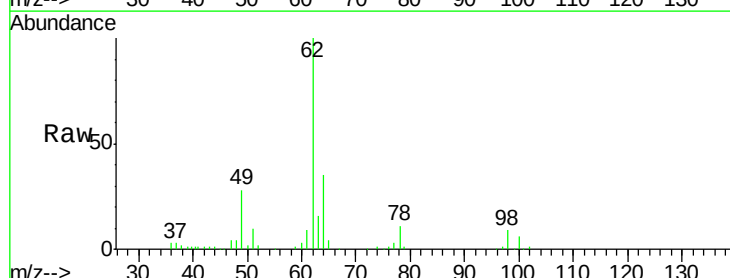
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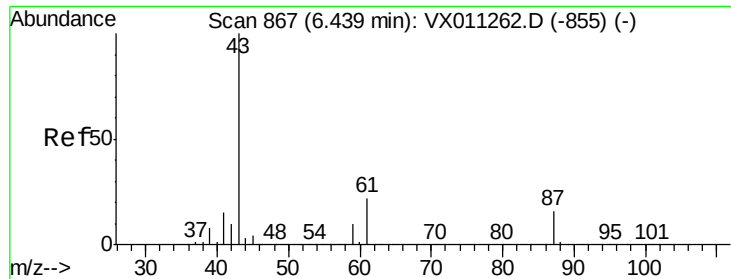
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.909 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.898 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

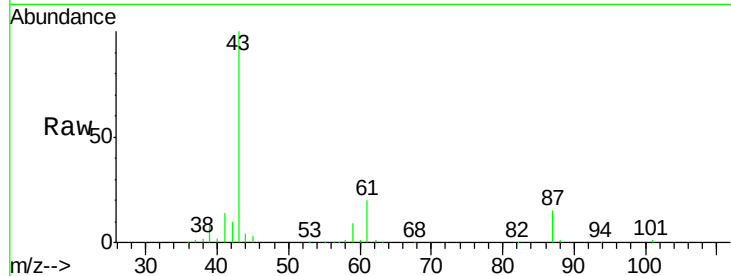
ClientSampleId :

VX0811WBSD01

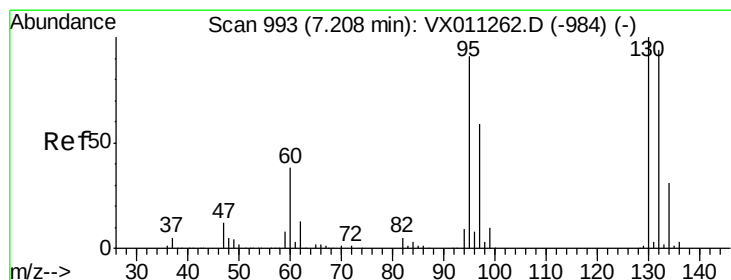
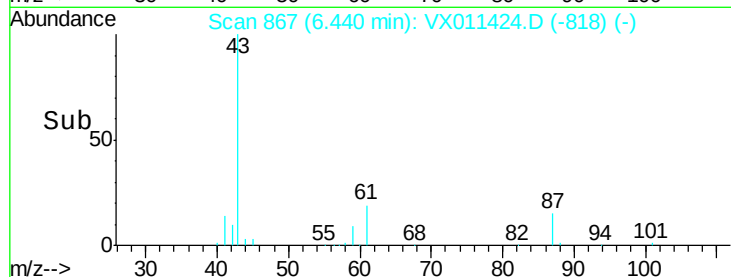
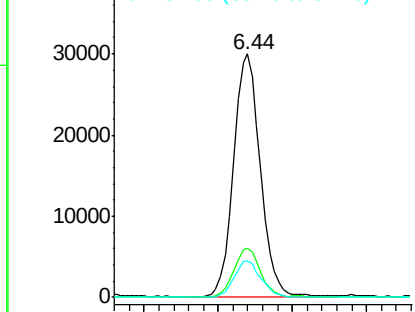
Tot Ion:	43	Resp:	75348
Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.5	24.7
87	14.9	12.1	18.1

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Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 18.020 ug/l

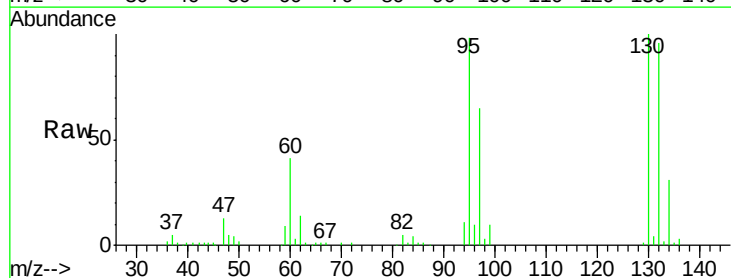
RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

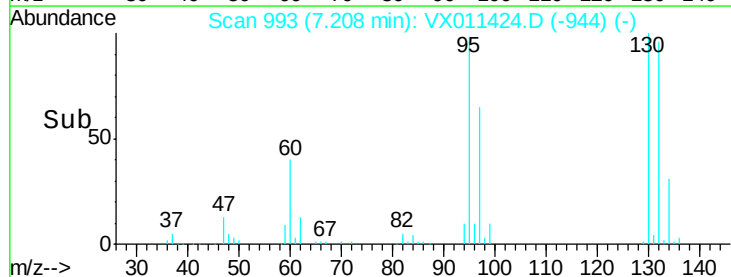
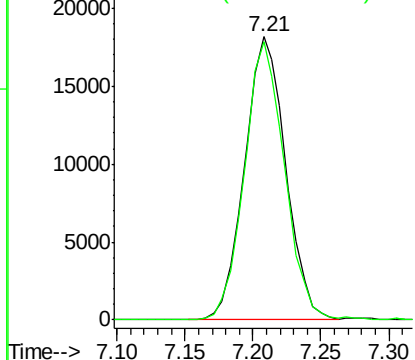
Lab File: VX011424.D

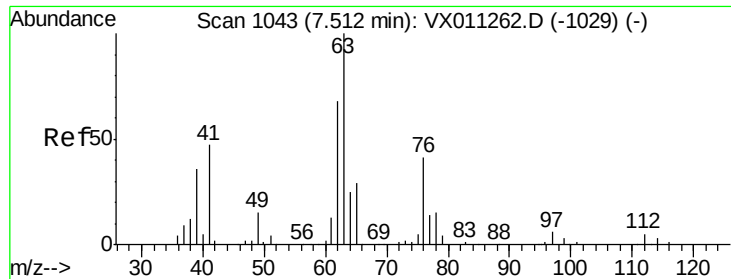
Acq: 11 Aug 2019 12:22

Tgt Ion:	130	Resp:	38432
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	182.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





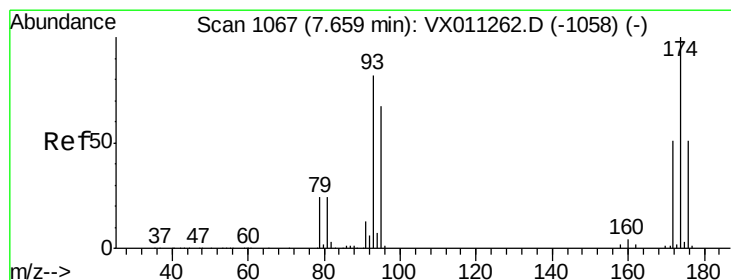
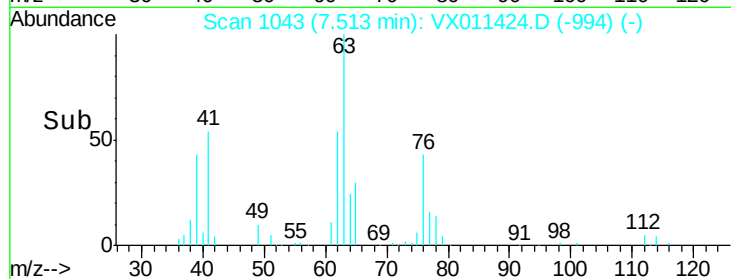
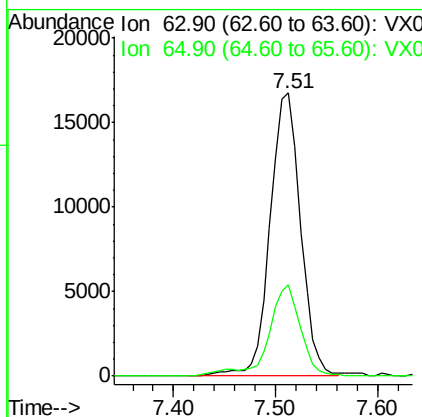
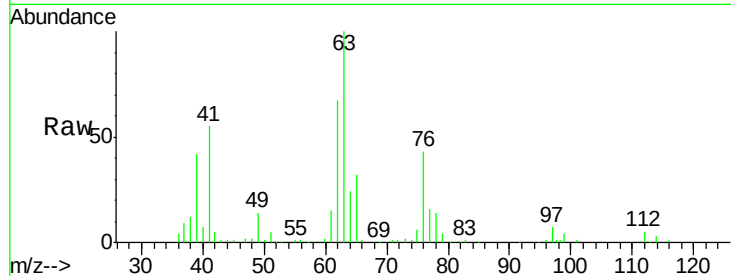
#45
 1,2-Dichloropropane
 Concen: 18.966 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Instrument :
 MSVOA_X
 ClientSampled :
 VX0811WBSD01

Tot Ion: 63 Resp: 34610
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.3 34.9

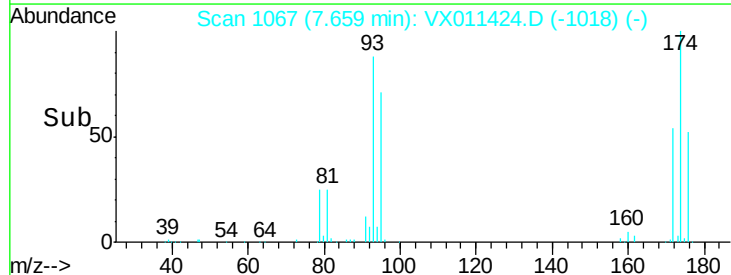
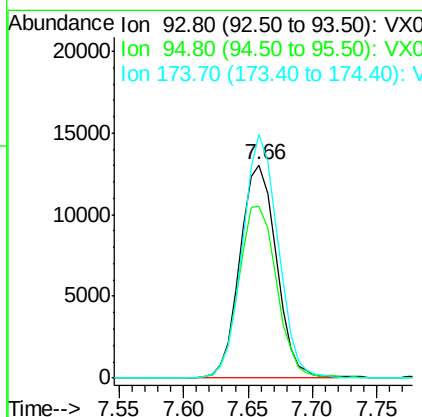
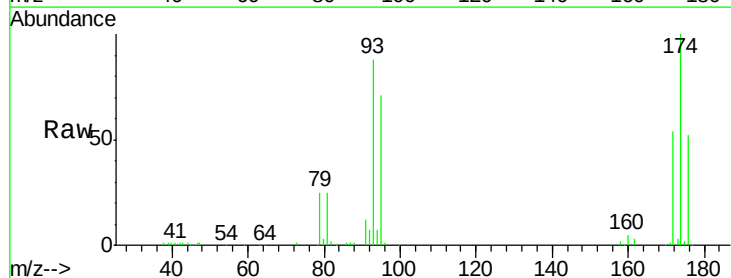
Manual Integrations
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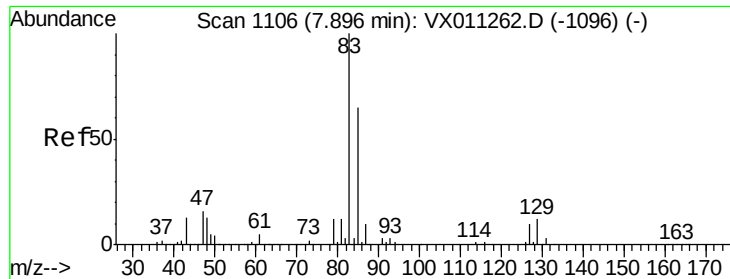
MMDadoda
 8/12/2019 10:30:29 AM



#46
 Dibromomethane
 Concen: 19.242 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Tgt Ion: 93 Resp: 25633
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.4 99.6
 174 110.5 93.4 140.2





#47

Bromodichloromethane

Concen: 20.346 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

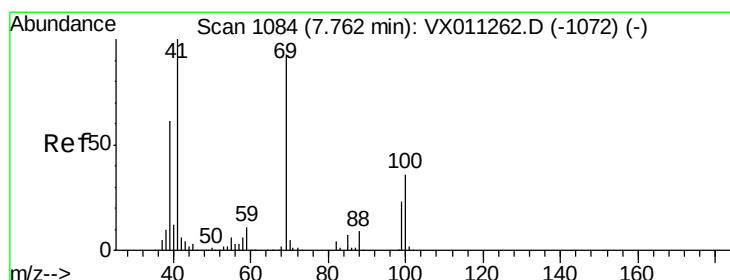
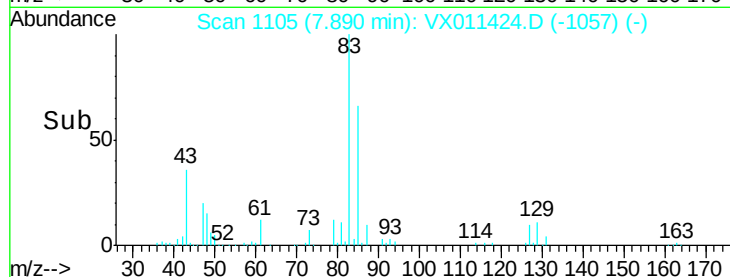
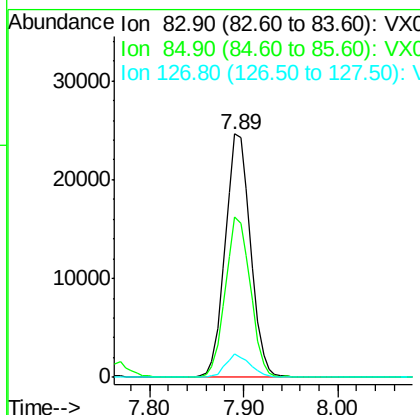
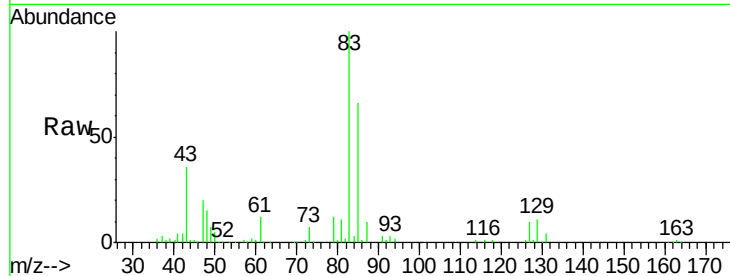
ClientSampleId :

VX0811WBSD01

Tot Ion:	83	Resp:	45888
Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.2	78.2
127	9.7	7.8	11.8

Manual Integrations
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8/12/2019 10:30:29 AM



#48

Methyl methacrylate

Concen: 20.743 ug/l

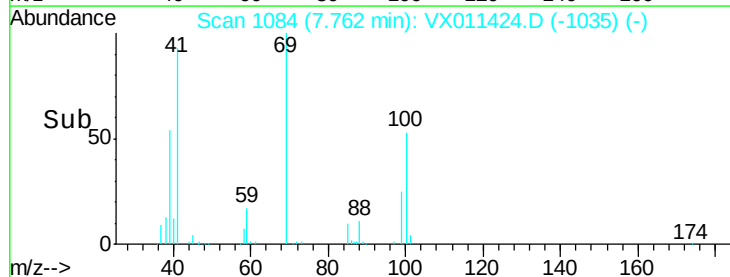
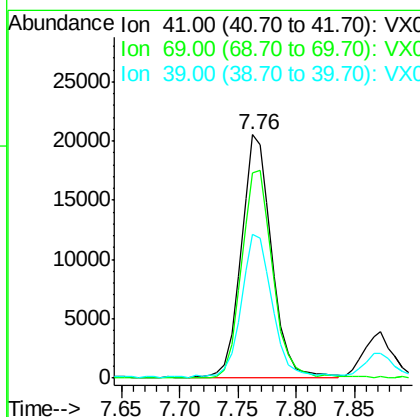
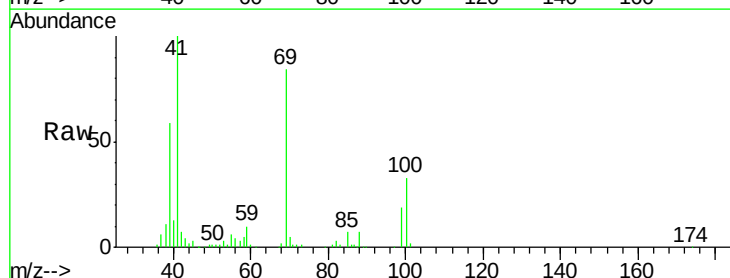
RT: 7.76 min Scan# 1084

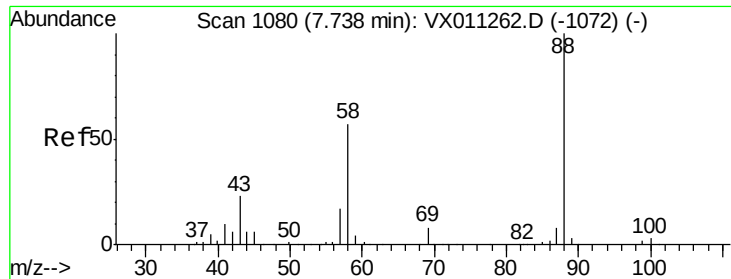
Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Tgt Ion:	41	Resp:	36966
Ion	Ratio	Lower	Upper
41	100		
69	88.2	74.5	111.7
39	60.4	48.6	72.8





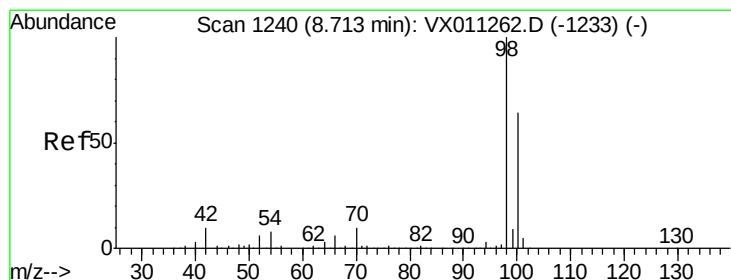
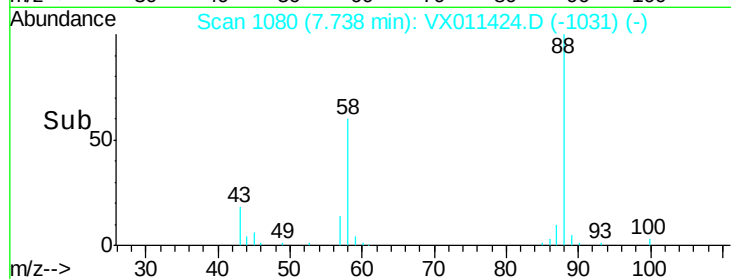
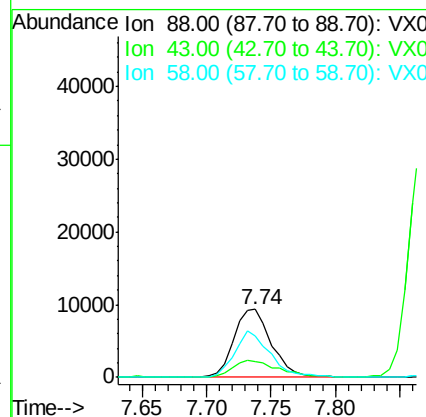
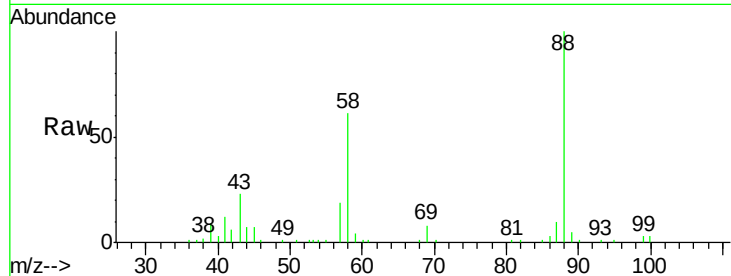
#49
1,4-Dioxane
Concen: 363.797 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	22.2	33.2
58	66.0	47.8	71.8

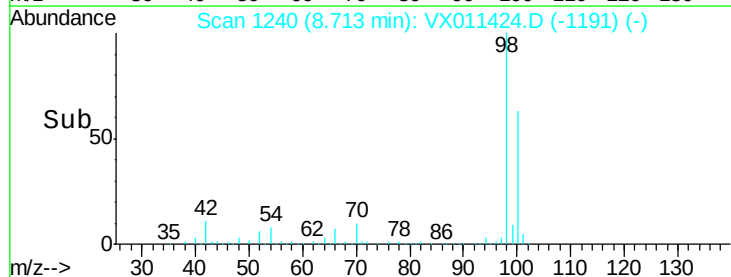
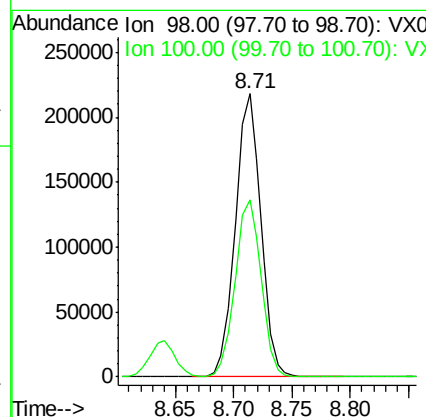
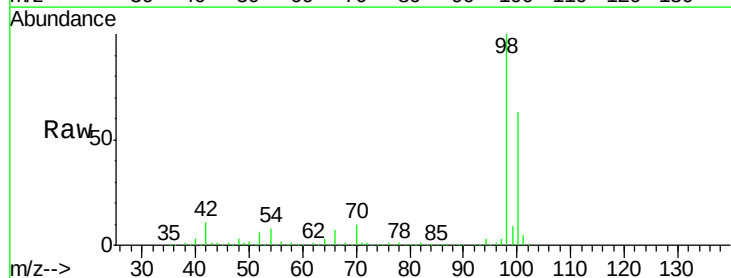
Manual Integrations
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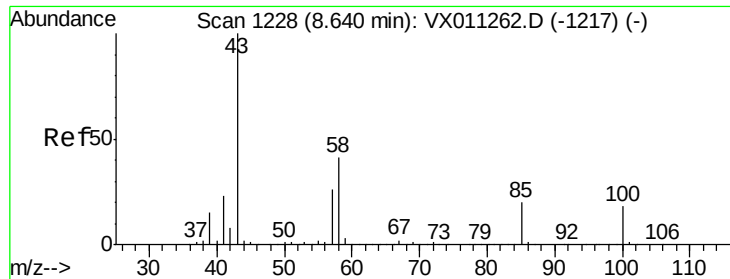
MMDadoda
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#50
Toluene-d8
Concen: 49.941 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 103.159 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBSD01

Tot Ion: 43 Resp: 252097

Ion Ratio Lower Upper

43 100

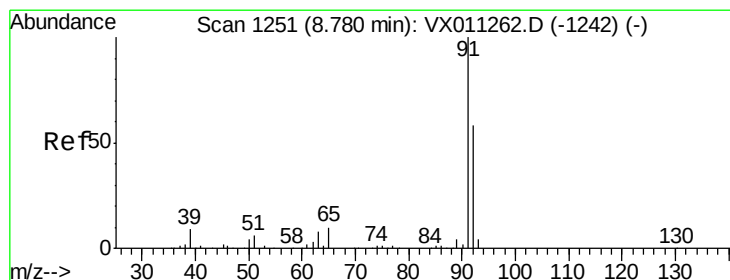
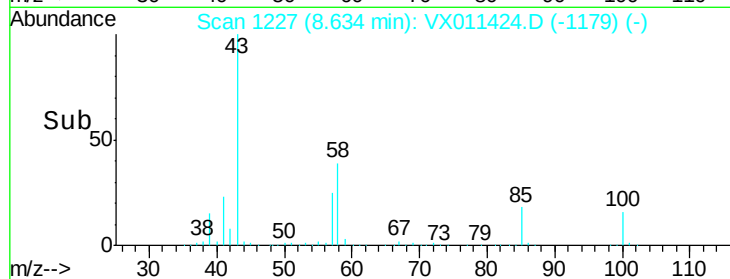
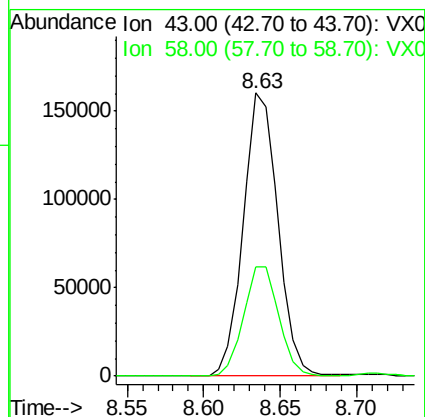
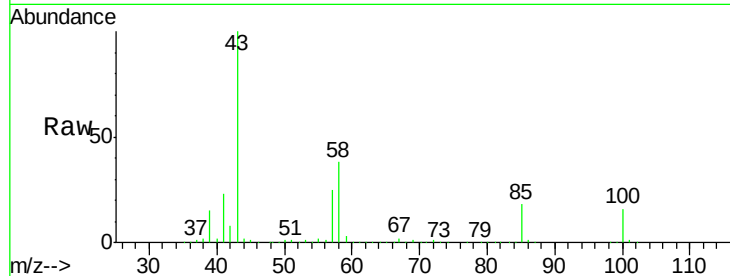
58 39.5 32.3 48.5

Manual Integrations

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#52

Toluene

Concen: 19.041 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011424.D

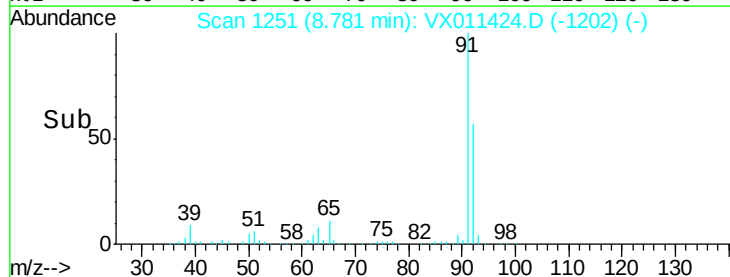
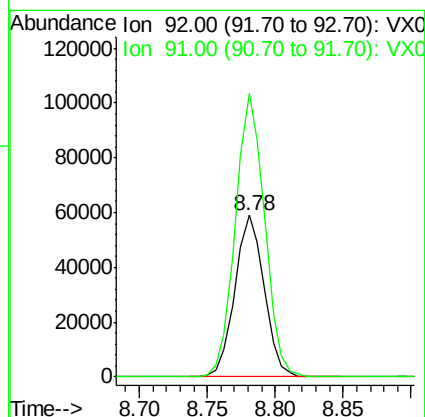
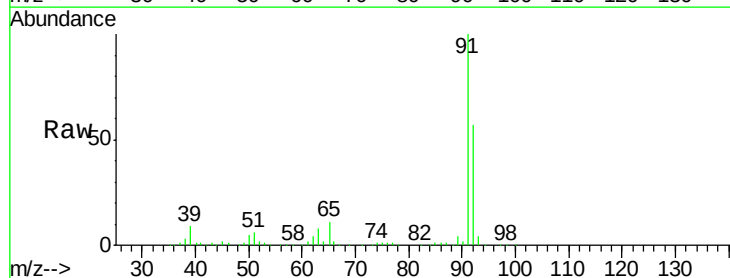
Acq: 11 Aug 2019 12:22

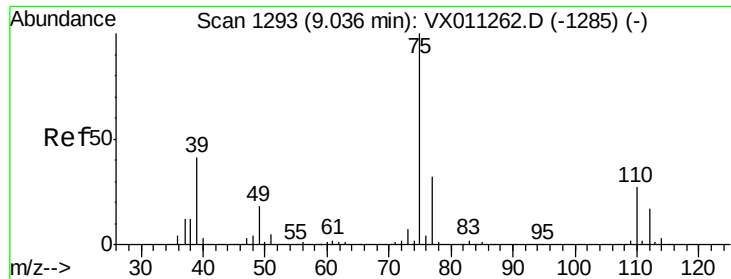
Tgt Ion: 92 Resp: 88705

Ion Ratio Lower Upper

92 100

91 175.0 139.4 209.0





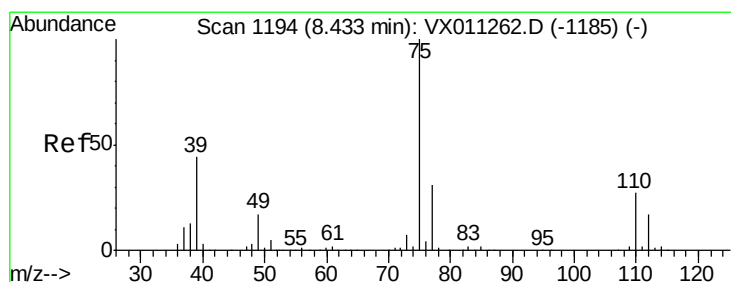
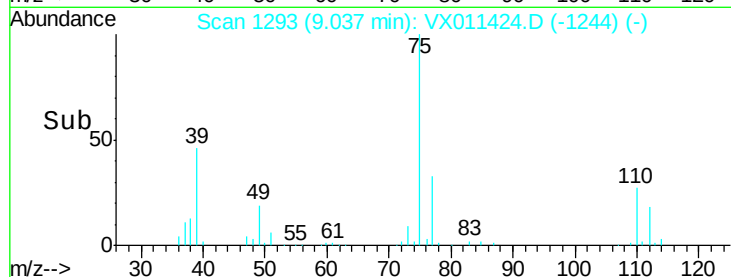
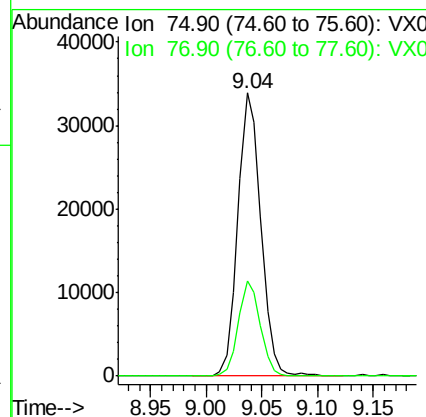
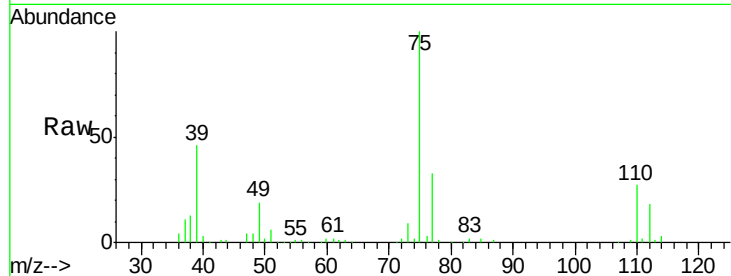
#53
t-1,3-Dichloropropene
Concen: 20.363 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.4	38.0

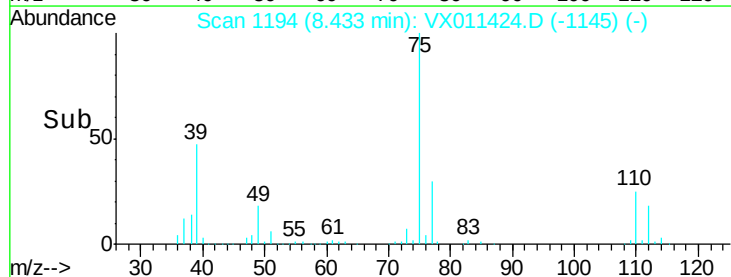
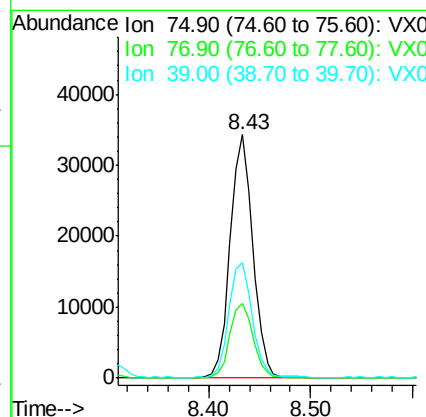
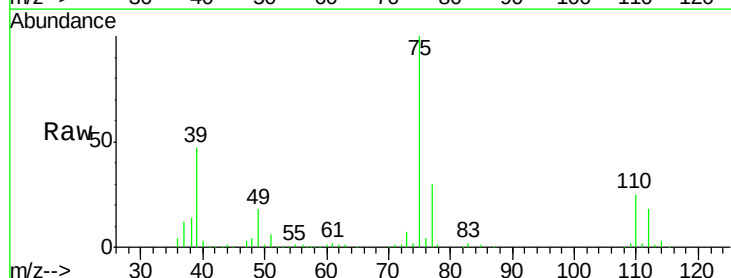
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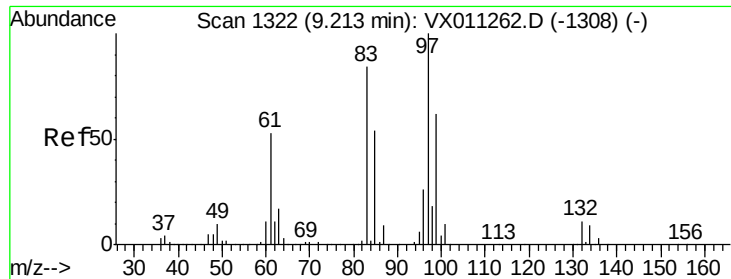
MMDadoda
8/12/2019 10:30:29 AM



#54
cis-1,3-Dichloropropene
Concen: 20.084 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.0	37.6
39	47.2	35.3	52.9





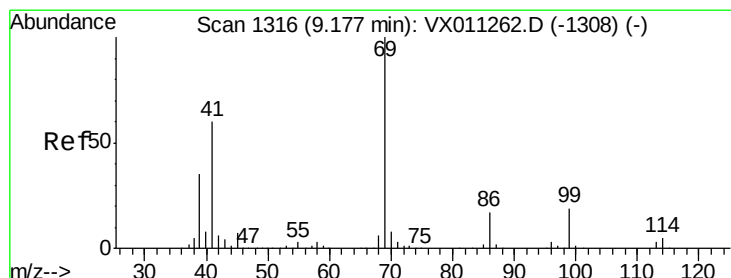
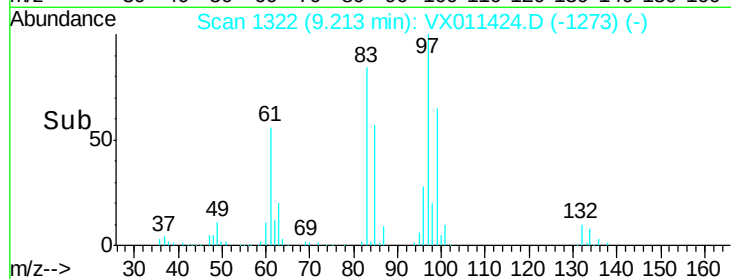
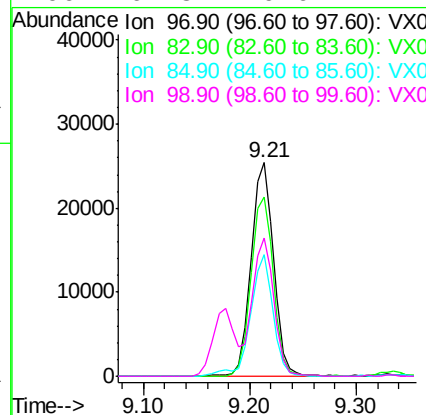
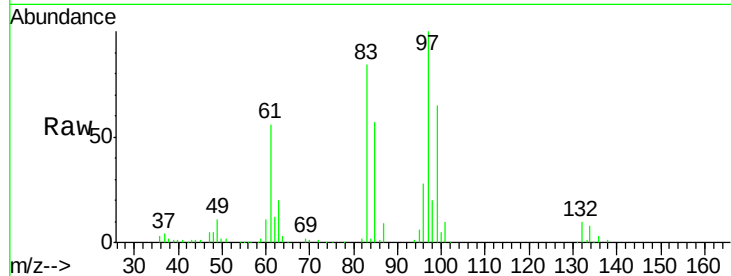
#55
 1,1,2-Trichloroethane
 Concen: 19.721 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		37775		
83	84.1	67.6	101.4		
85	56.8	43.4	65.0		
99	64.8	49.6	74.4		

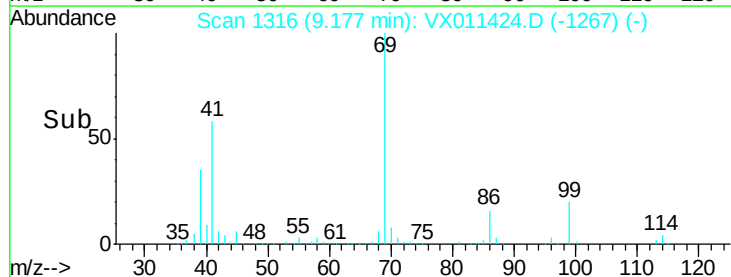
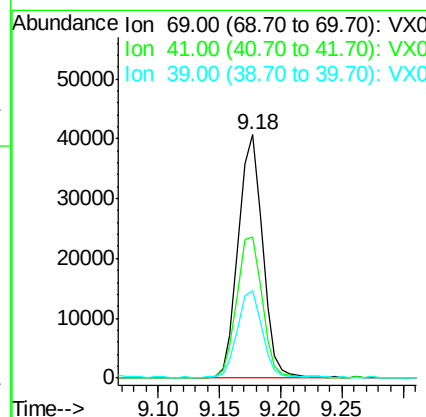
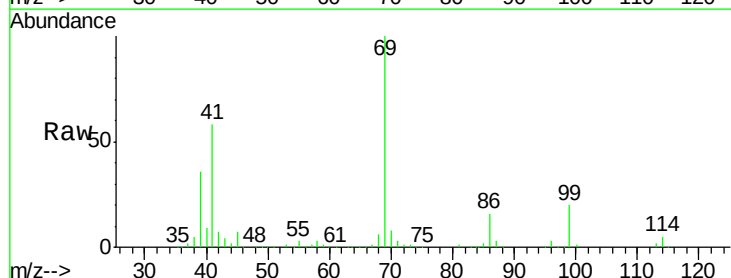
Manual Integrations
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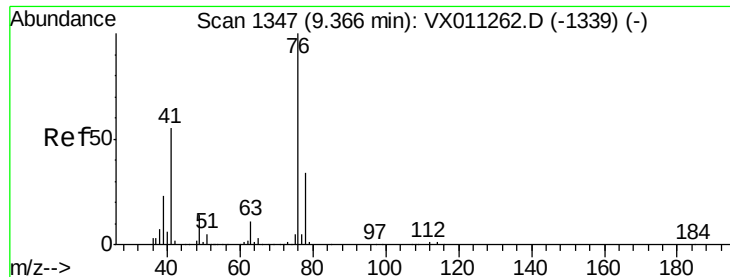
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 8/12/2019 10:30:29 AM



#56
 Ethyl methacrylate
 Concen: 20.546 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		56082		
41	60.4	48.6	73.0		
39	36.4	29.4	44.2		





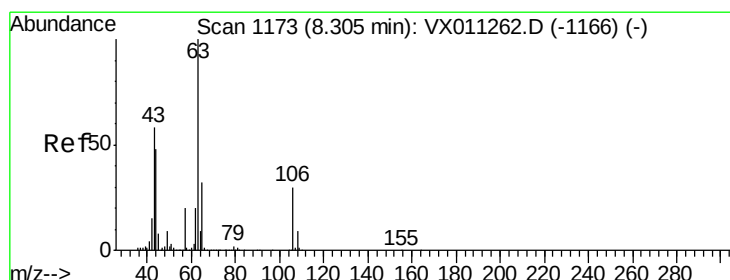
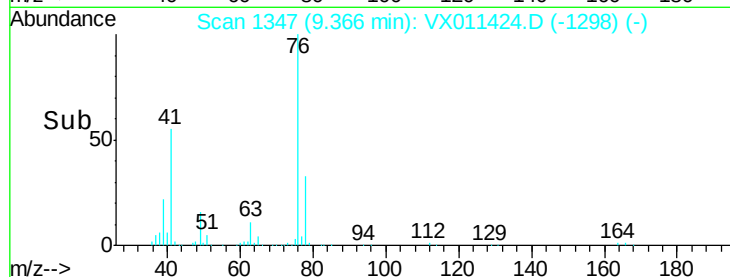
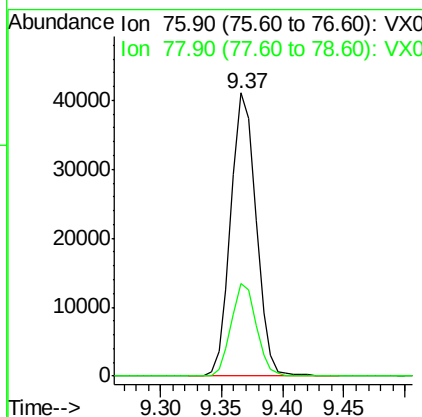
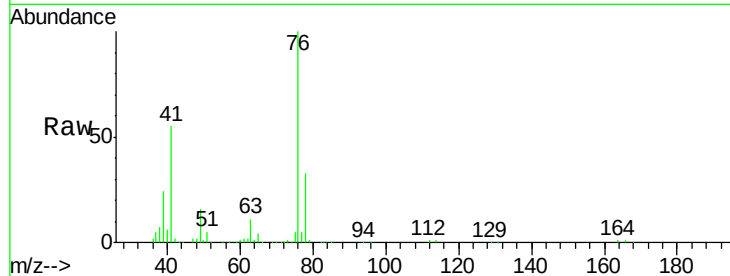
#57
 1,3-Dichloropropane
 Concen: 19.492 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.6	40.0

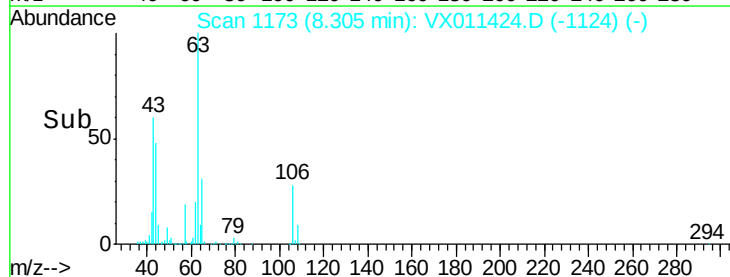
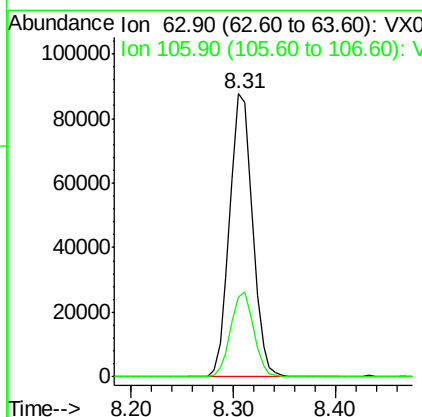
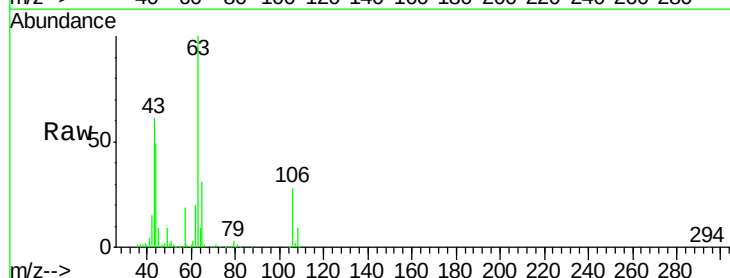
Manual Integrations
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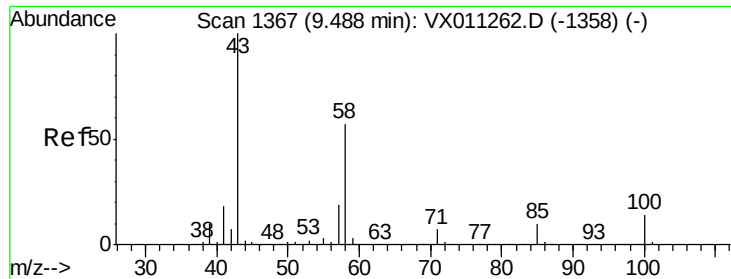
MMDadoda
 8/12/2019 10:30:29 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.679 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	24.4	36.6





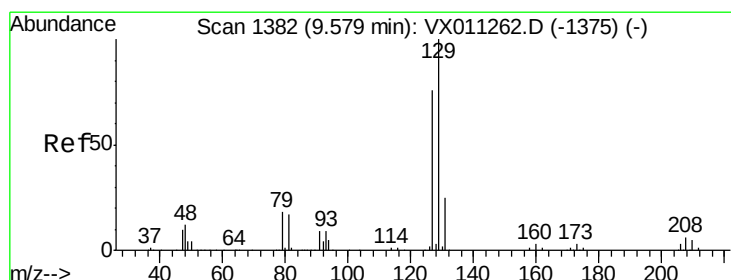
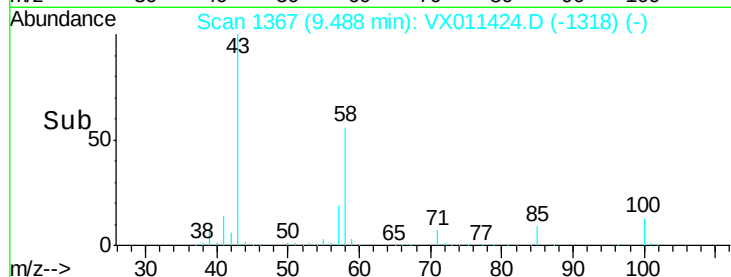
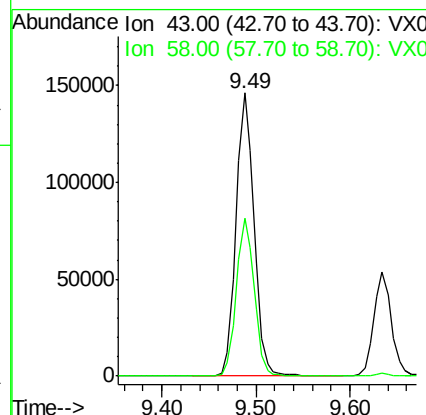
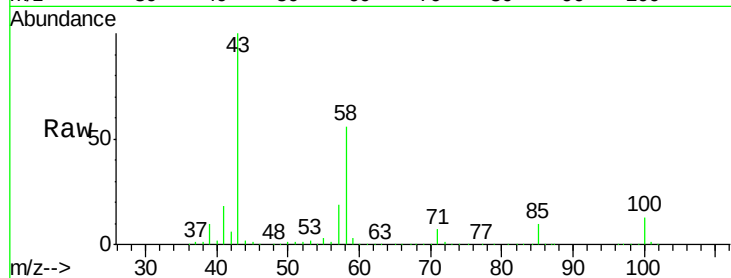
#59
2-Hexanone
Concen: 102.239 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	28.2	84.6

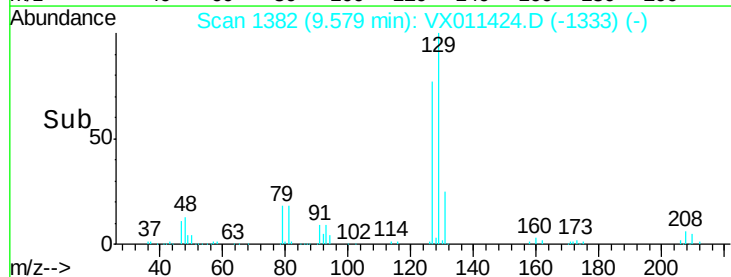
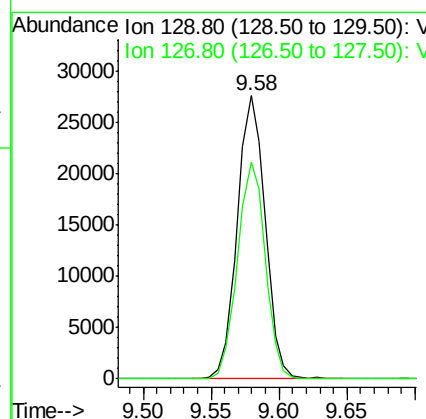
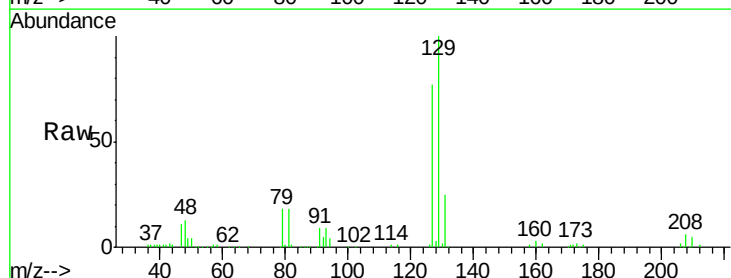
Manual Integrations
APPROVED

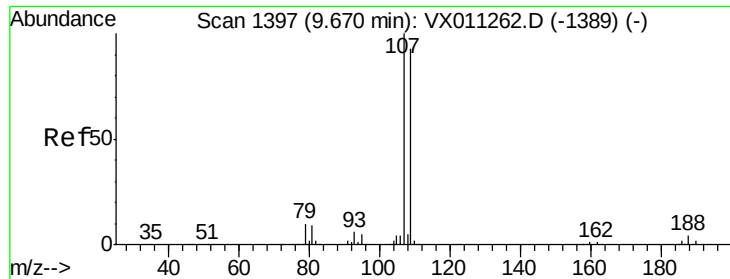
MMDadoda
8/12/2019 10:30:29 AM



#60
Dibromochloromethane
Concen: 20.171 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	39.2	117.6





#61

1,2-Dibromoethane

Concen: 19.209 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBSD01

Tot Ion:107 Resp: 39752

Ion Ratio Lower Upper

107 100

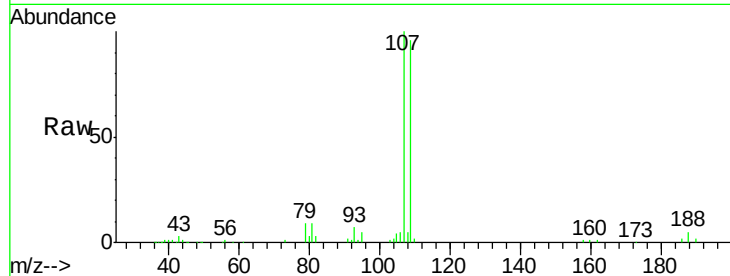
109 96.8 76.6 114.8

Manual Integrations

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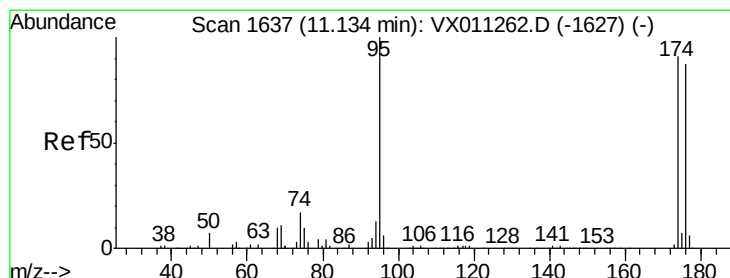
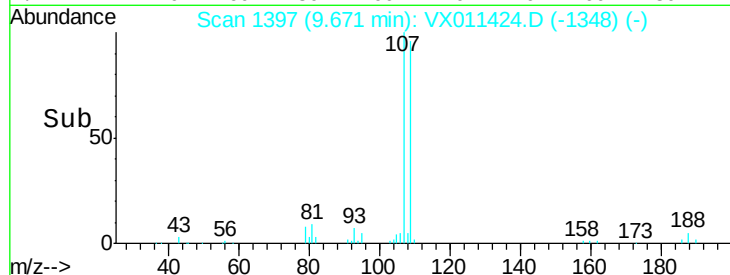
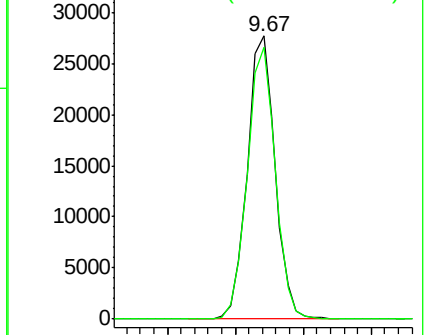
MMDadoda

8/12/2019 10:30:29 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.119 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

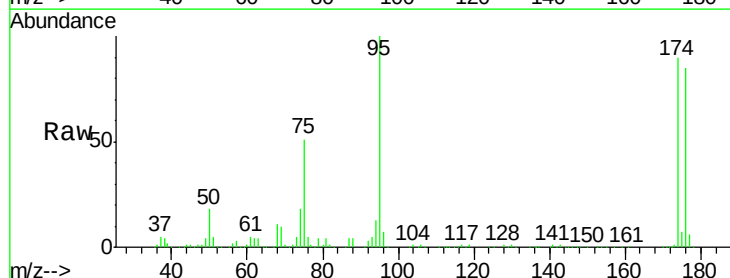
Tgt Ion: 95 Resp: 121639

Ion Ratio Lower Upper

95 100

174 92.0 0.0 191.2

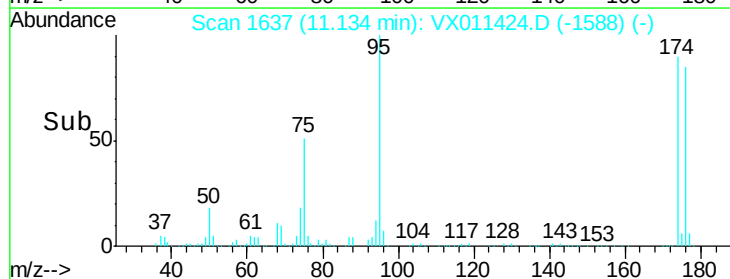
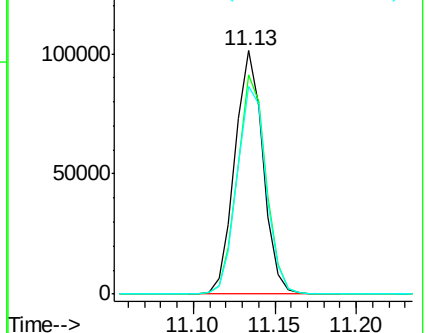
176 88.9 0.0 184.8

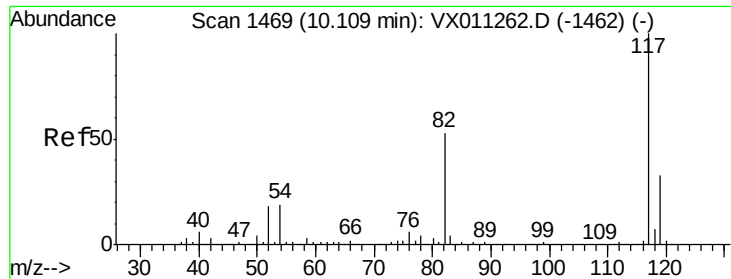


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





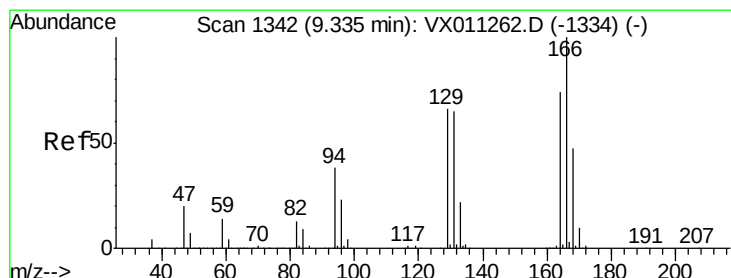
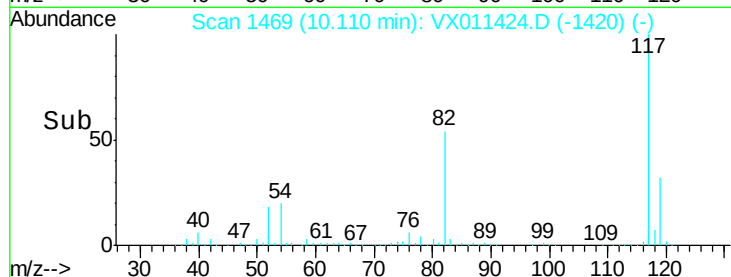
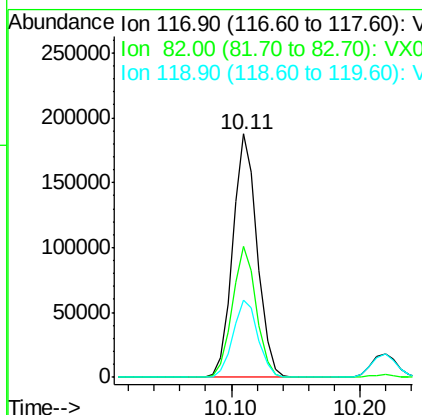
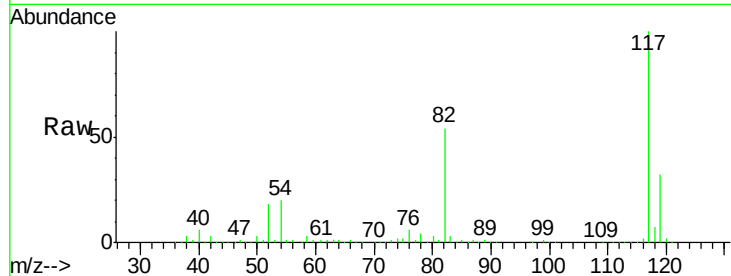
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.2	63.2
119	31.9	26.6	39.8

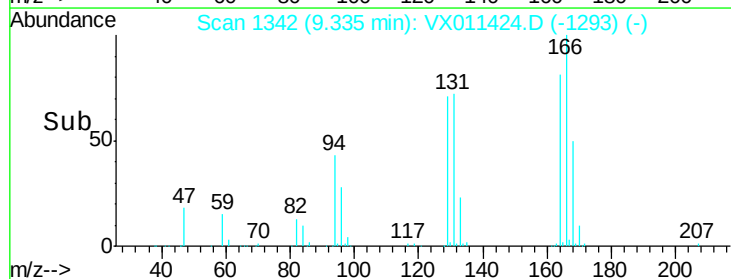
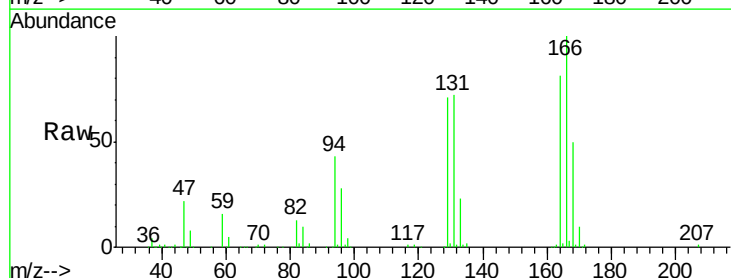
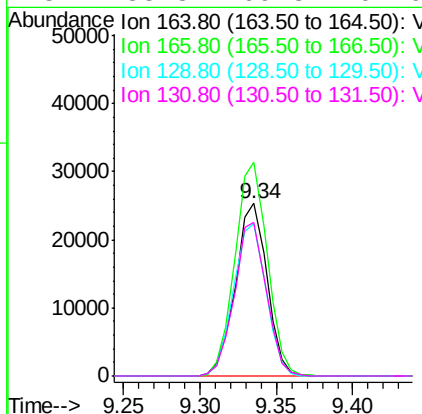
Manual Integrations
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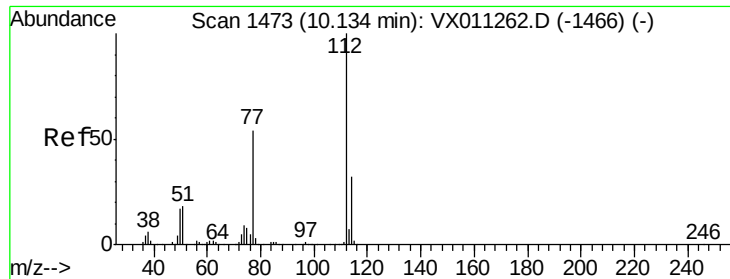
MMDadoda
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#64
Tetrachloroethene
Concen: 17.419 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	107.5	161.3
129	88.3	71.0	106.4
131	88.8	69.8	104.6





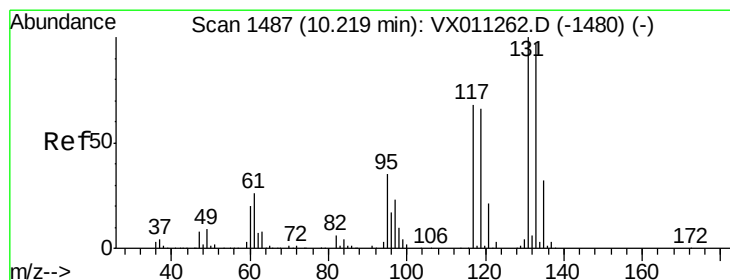
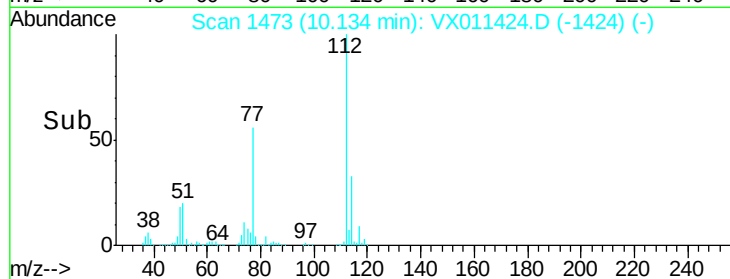
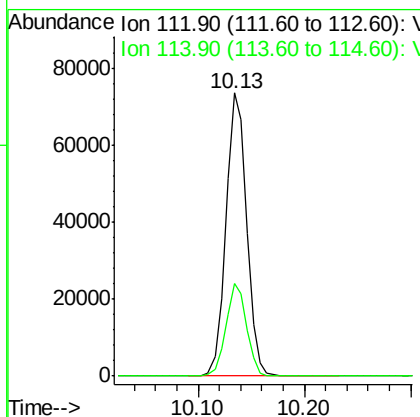
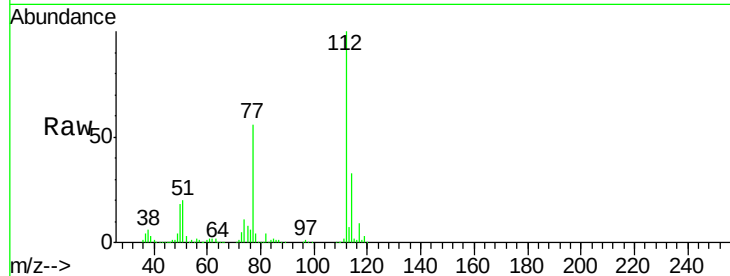
#65
Chlorobenzene
Concen: 18.974 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.9	38.9

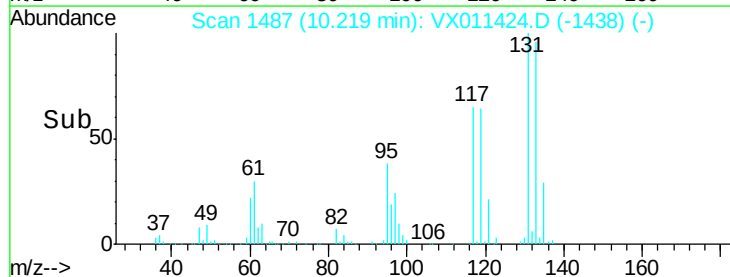
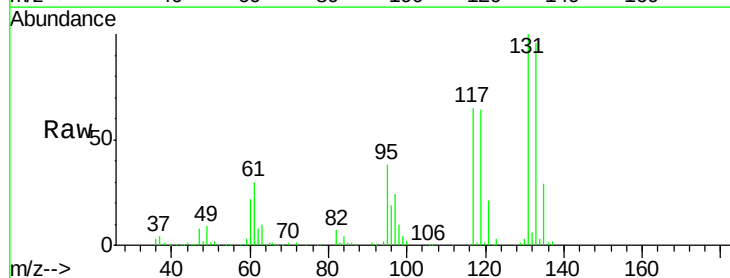
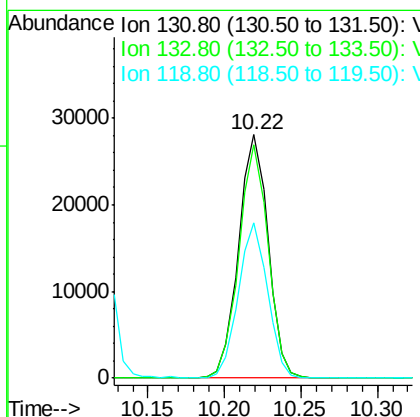
Manual Integrations
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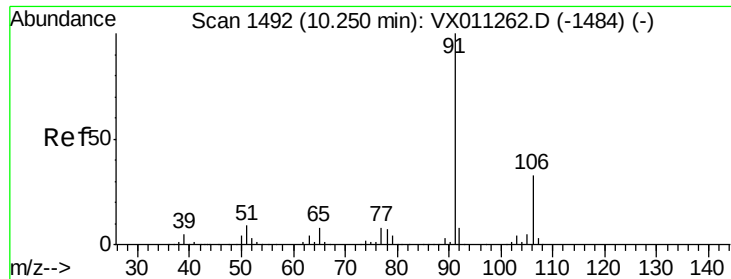
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.835 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.7	143.1
119	63.2	32.8	98.3





#67

Ethyl Benzene

Concen: 19.442 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

ClientSampled :

VX0811WBSD01

Tot Ion: 91 Resp: 172202

Ion Ratio Lower Upper

91 100

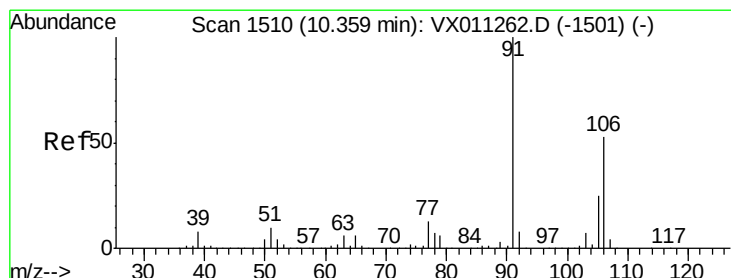
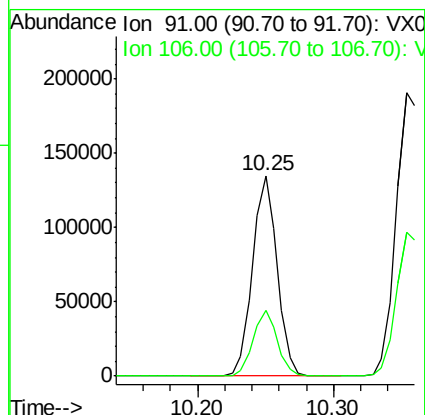
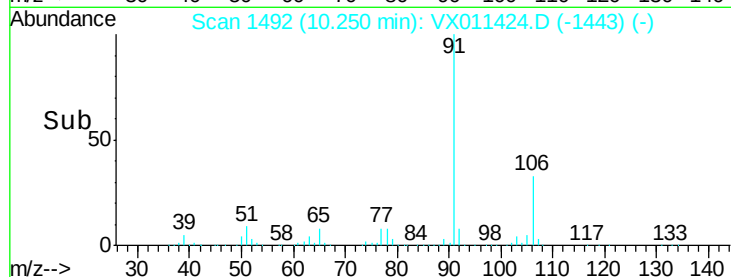
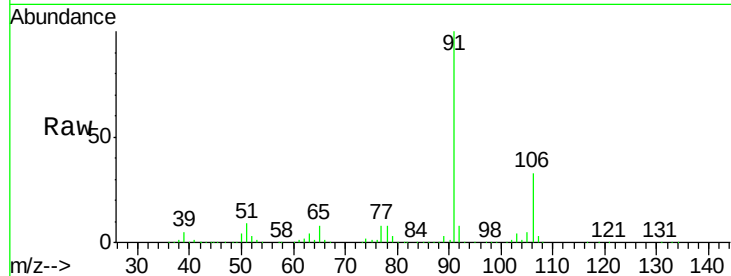
106 32.7 26.2 39.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.793 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011424.D

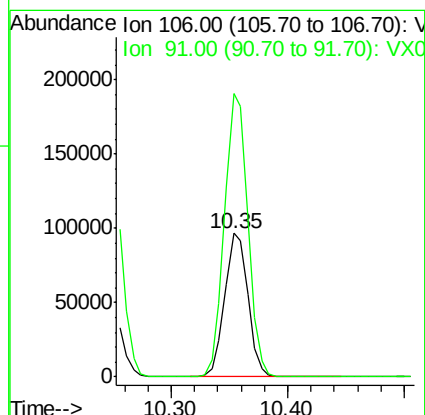
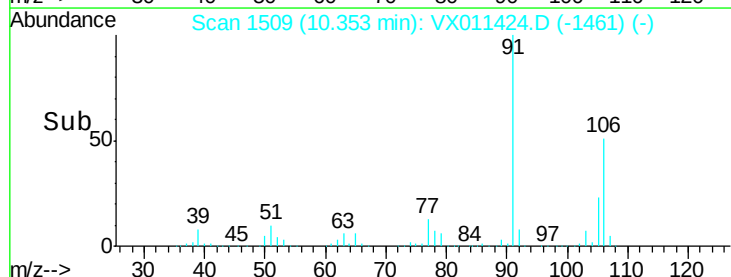
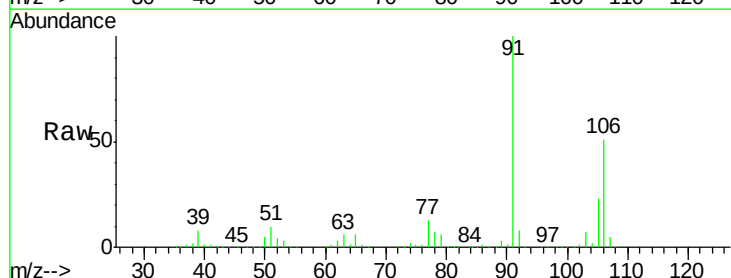
Acq: 11 Aug 2019 12:22

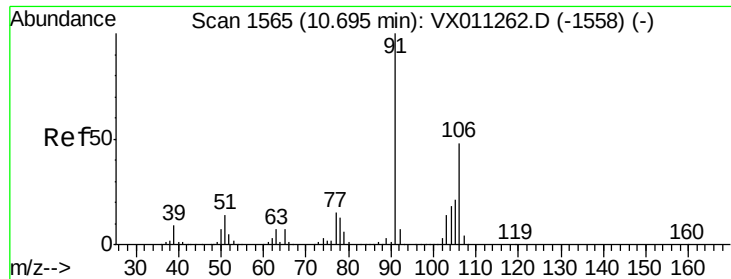
Tgt Ion: 106 Resp: 132901

Ion Ratio Lower Upper

106 100

91 198.9 155.9 233.9





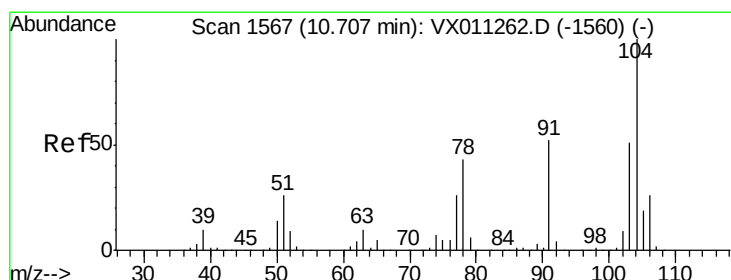
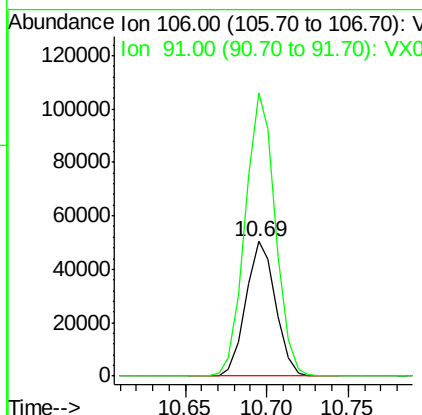
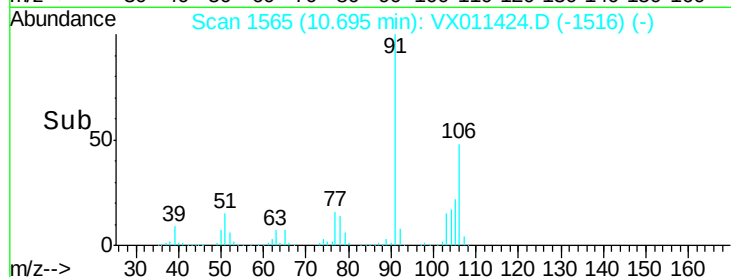
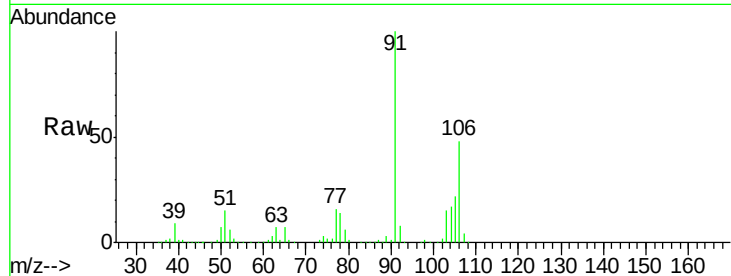
#69
o-Xylene
Concen: 19.127 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBSD01

Tot Ion:106 Resp: 64381
Ion Ratio Lower Upper
106 100
91 212.4 103.8 311.3

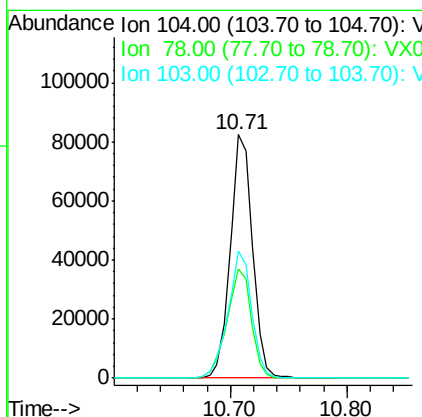
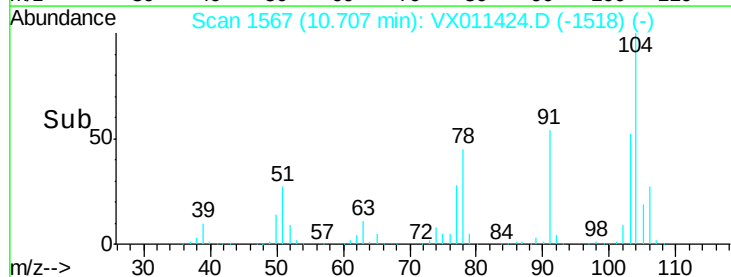
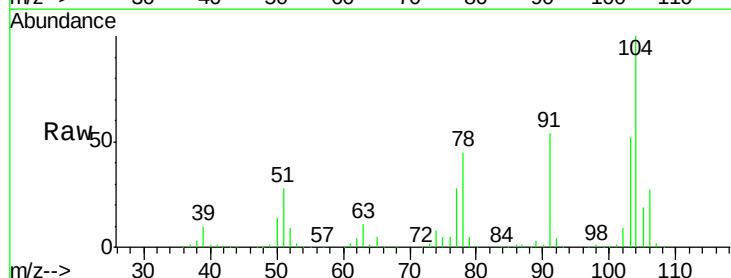
Manual Integrations
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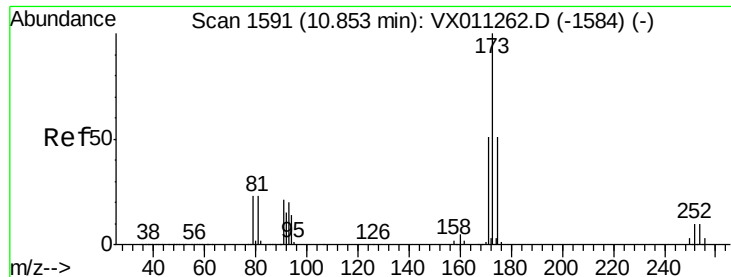
MMDadoda
8/12/2019 10:30:29 AM



#70
Styrene
Concen: 19.747 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Tgt Ion:104 Resp: 109986
Ion Ratio Lower Upper
104 100
78 49.1 36.9 55.3
103 55.5 44.4 66.6





#71

Bromoform

Concen: 19.283 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBSD01

Tot Ion:173 Resp: 28227

Ion Ratio Lower Upper

173 100

175 50.9 24.4 73.4

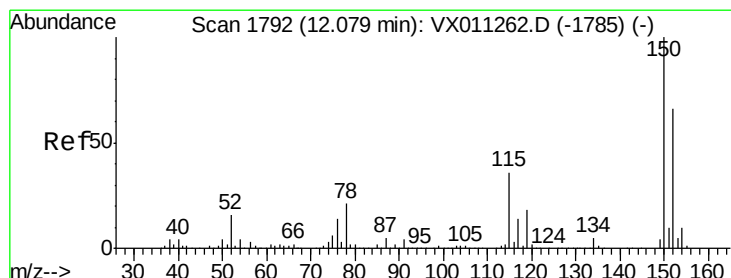
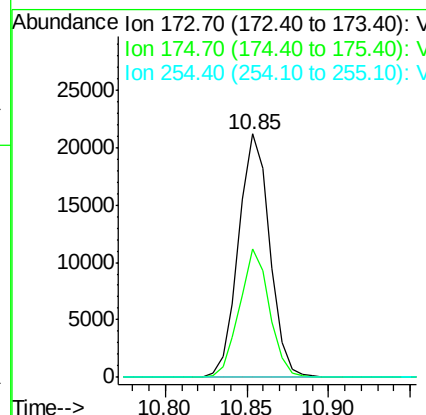
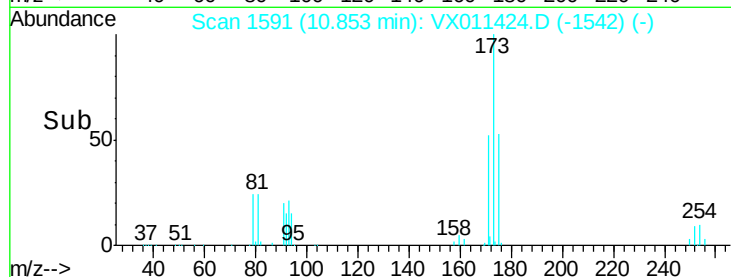
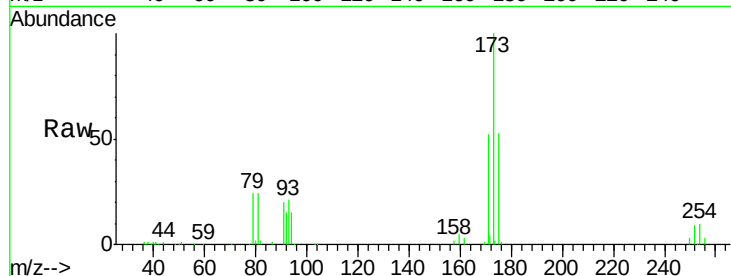
254 0.0 0.2 0.2#

Manual Integrations

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MMDadoda

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

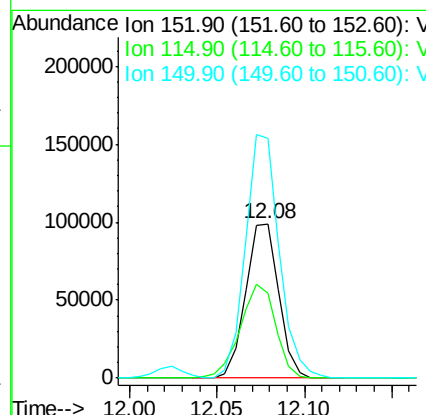
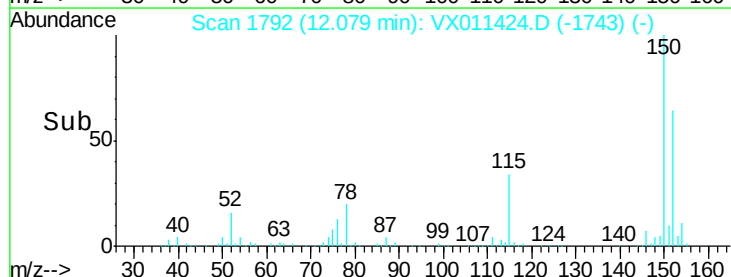
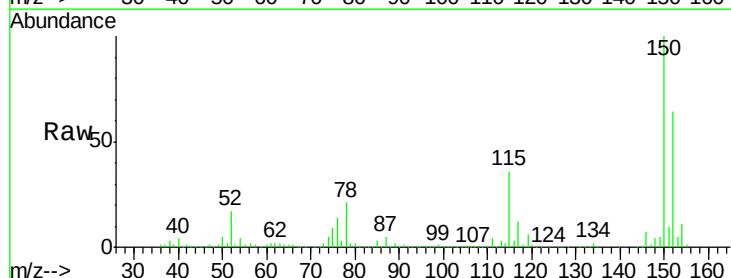
Tgt Ion:152 Resp: 129383

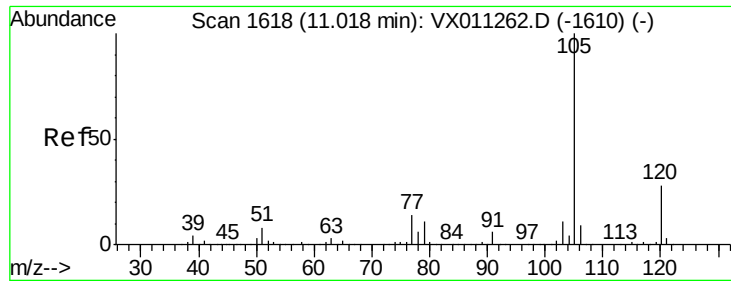
Ion Ratio Lower Upper

152 100

115 65.5 40.0 119.9

150 162.3 0.0 350.4





#73

Isopropylbenzene

Concen: 20.007 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBSD01

Tot Ion: 105 Resp: 177039

Ion Ratio Lower Upper

105 100

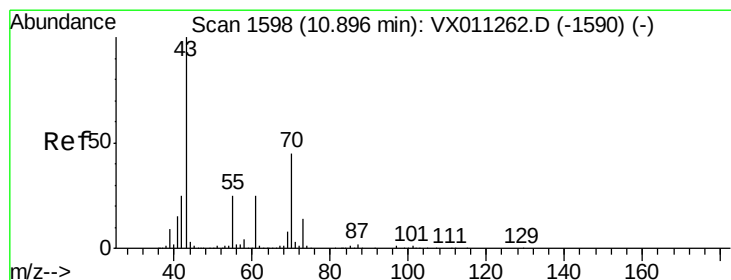
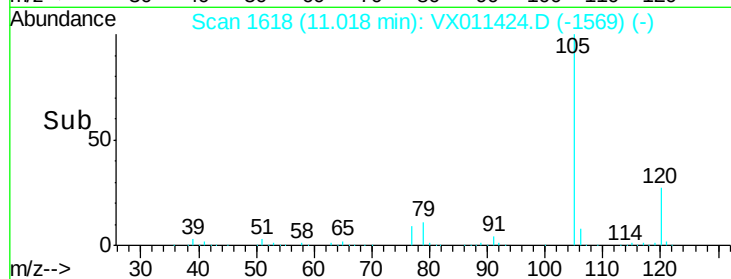
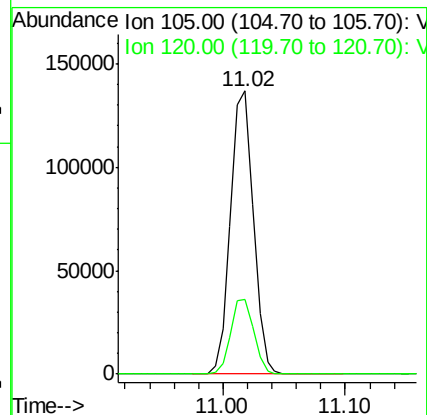
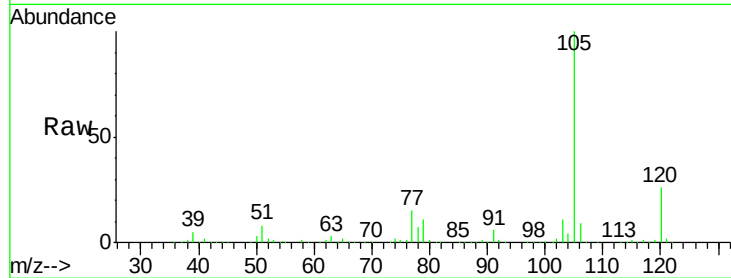
120 26.7 13.7 41.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.451 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Tgt Ion: 43 Resp: 68586

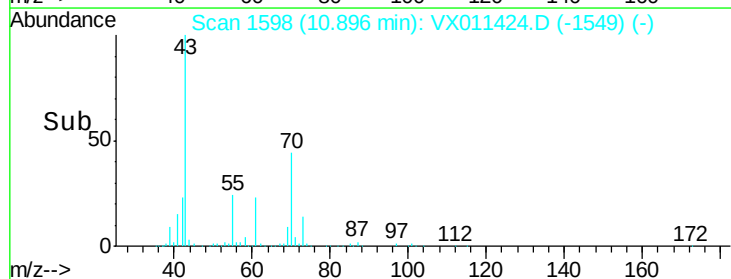
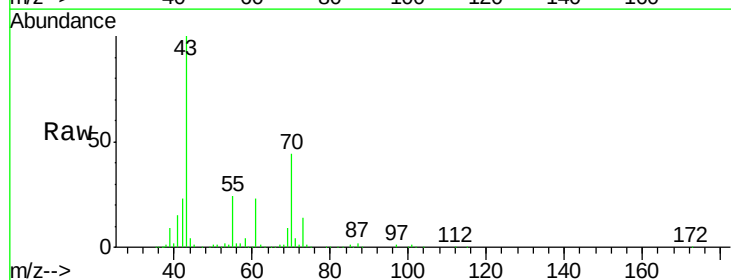
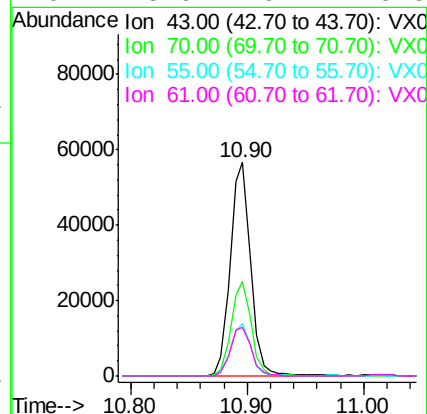
Ion Ratio Lower Upper

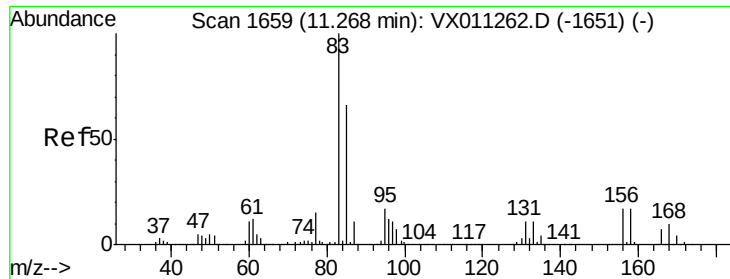
43 100

70 43.8 35.9 53.9

55 24.6 19.8 29.6

61 23.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.363 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

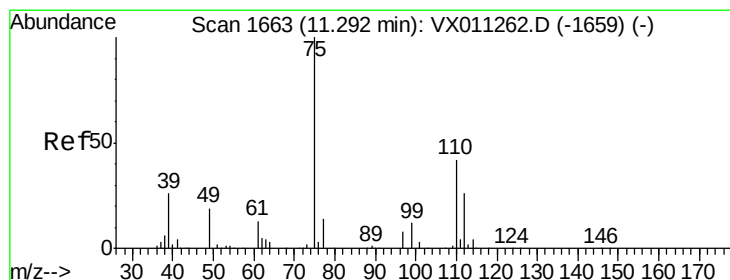
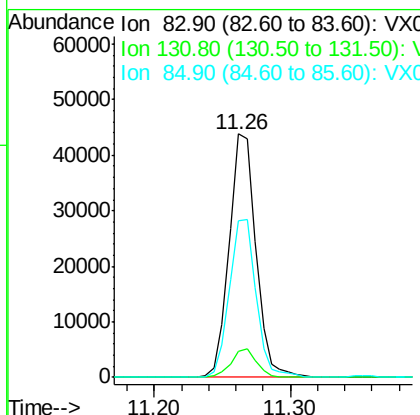
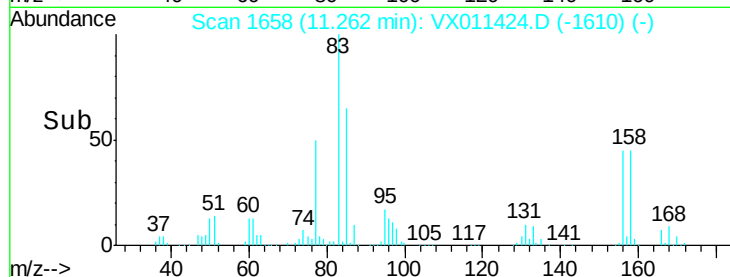
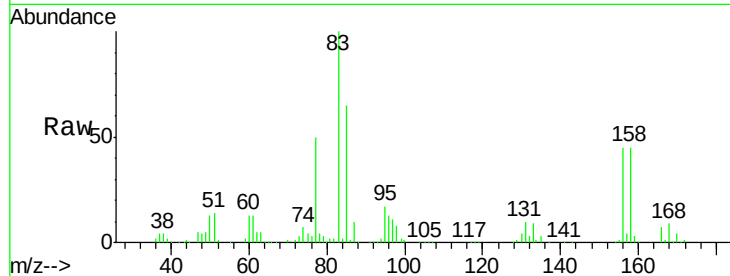
ClientSampleId :

VX0811WBSD01

Tot Ion:	83	Resp:	60049
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.6	16.8
85	65.2	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.159 ug/l m

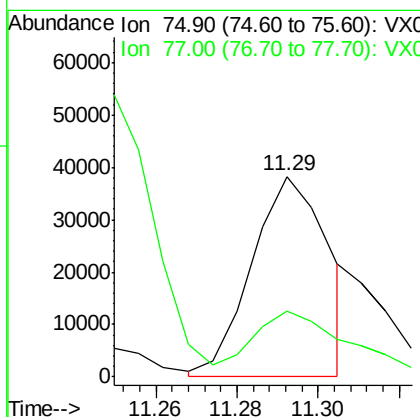
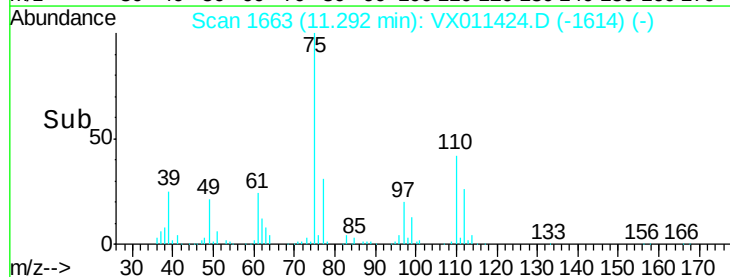
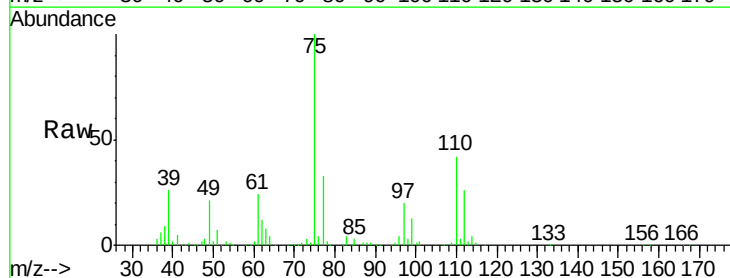
RT: 11.29 min Scan# 1663

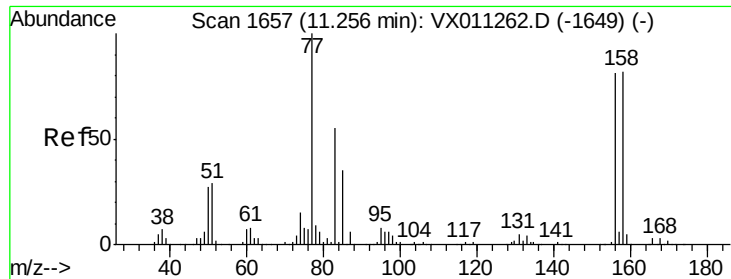
Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Tgt Ion:	75	Resp:	49855
Ion	Ratio	Lower	Upper
75	100		
77	42.1	21.1	63.4





#77

Bromobenzene

Concen: 19.603 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

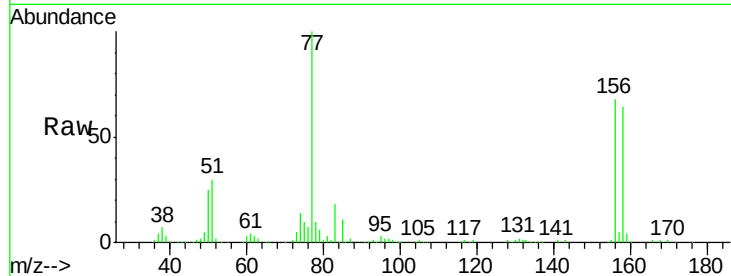
ClientSampleId :

VX0811WBSD01

Tot Ion:	156	Resp:	48100
Ion	Ratio	Lower	Upper
156	100		
77	139.2	66.2	198.6
158	95.7	49.1	147.3

Manual Integrations
APPROVED

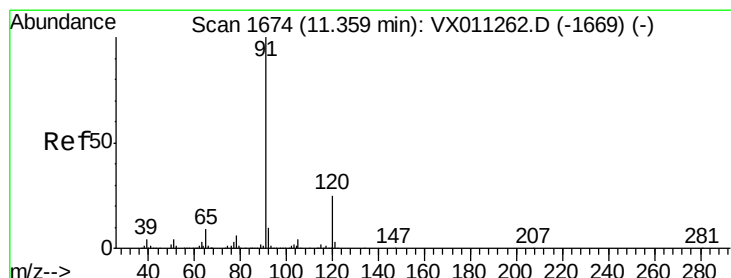
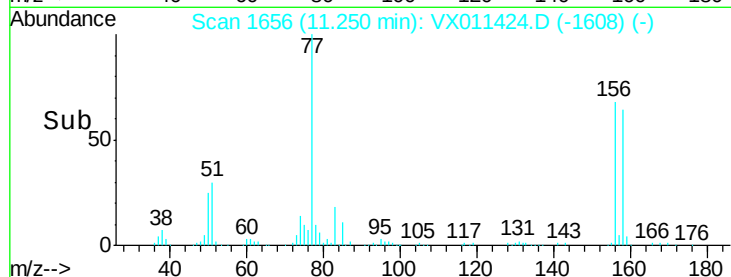
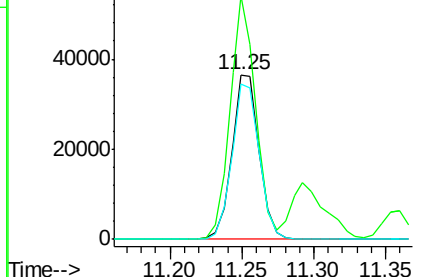
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.687 ug/l

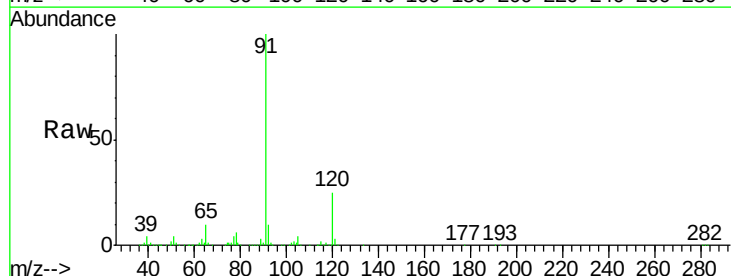
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011424.D

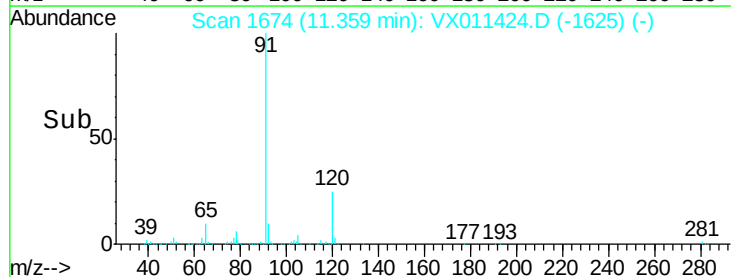
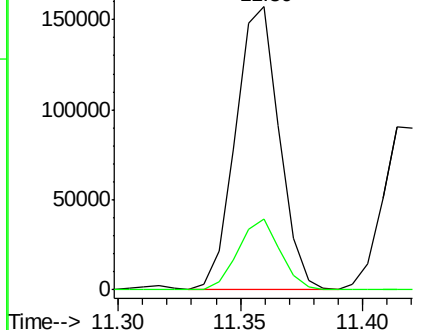
Acq: 11 Aug 2019 12:22

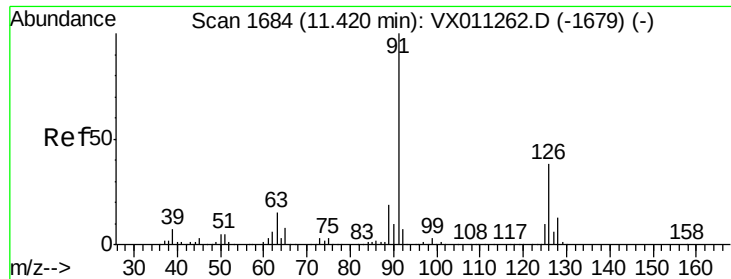
Tgt Ion:	91	Resp:	193727
Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.4	37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.992 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

ClientSampled :

VX0811WBSD01

Tot Ion: 91 Resp: 117260

Ion Ratio Lower Upper

91 100

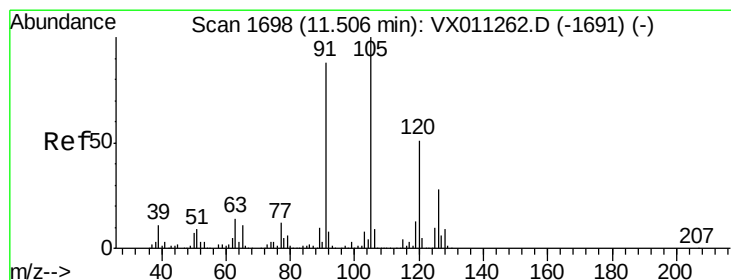
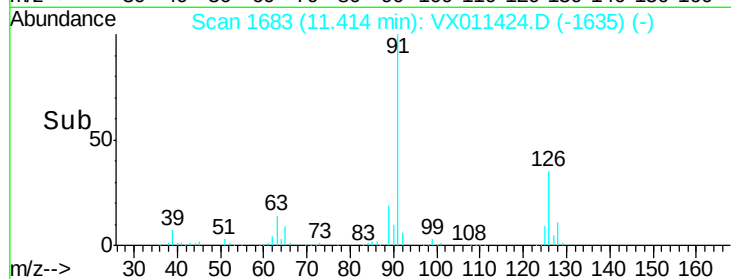
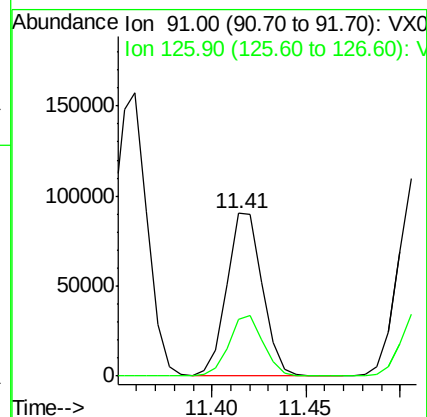
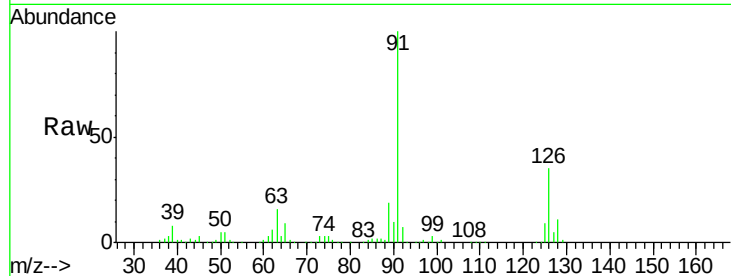
126 36.3 18.5 55.5

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#80

1,3,5-Trimethylbenzene

Concen: 19.861 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011424.D

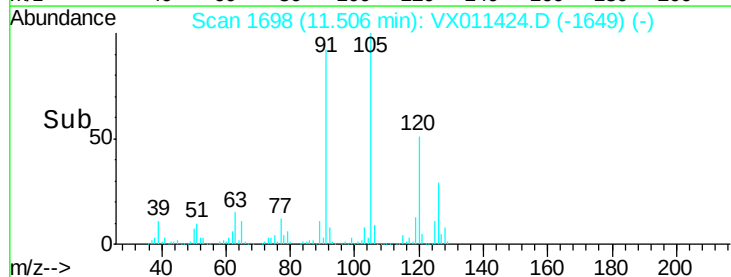
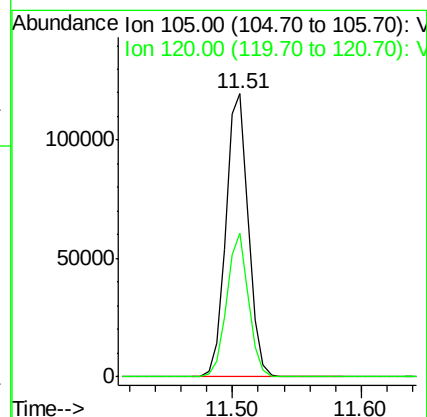
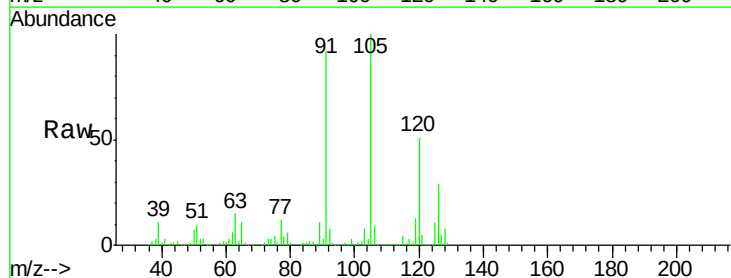
Acq: 11 Aug 2019 12:22

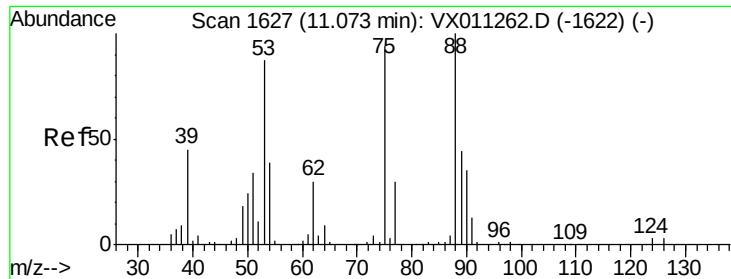
Tgt Ion:105 Resp: 147121

Ion Ratio Lower Upper

105 100

120 49.2 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.933 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBSD01

Tot Ion: 75 Resp: 15917

Ion Ratio Lower Upper

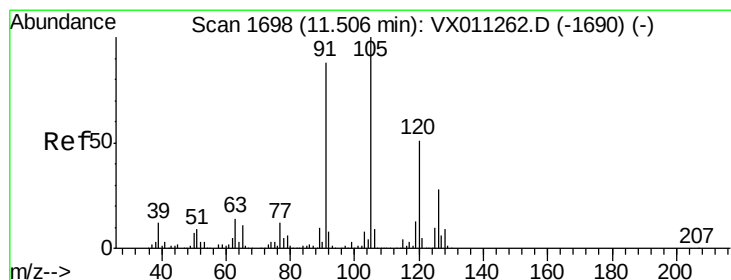
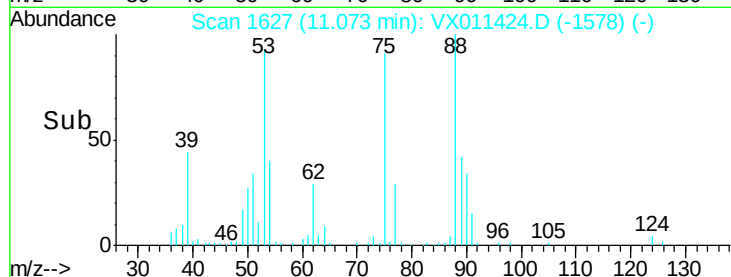
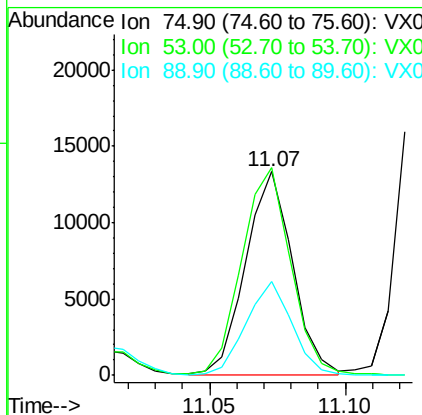
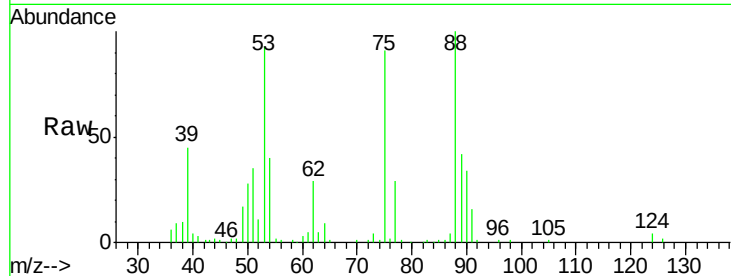
75 100

53 106.0 78.2 117.4

89 45.3 37.9 56.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.804 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011424.D

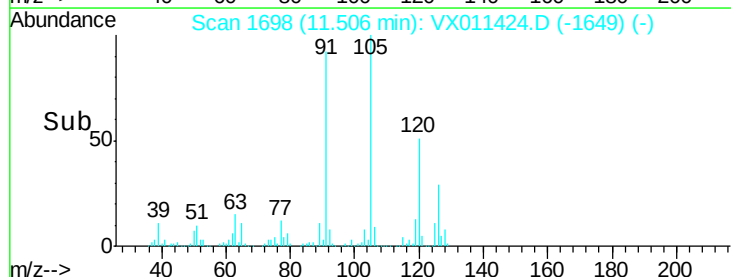
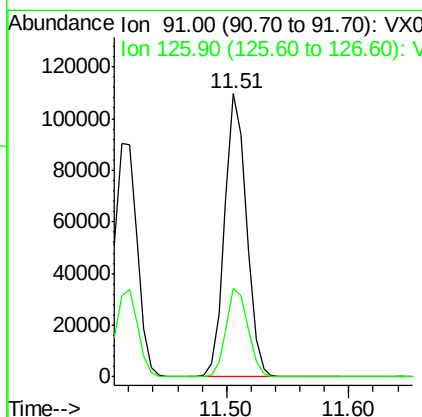
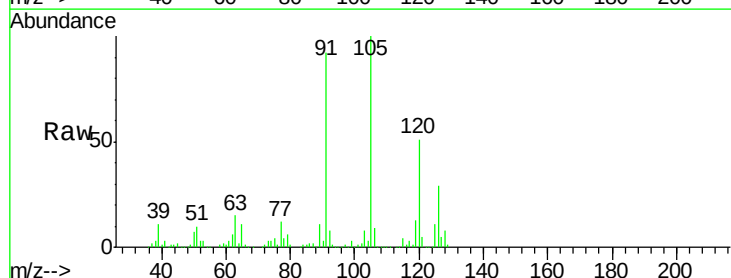
Acq: 11 Aug 2019 12:22

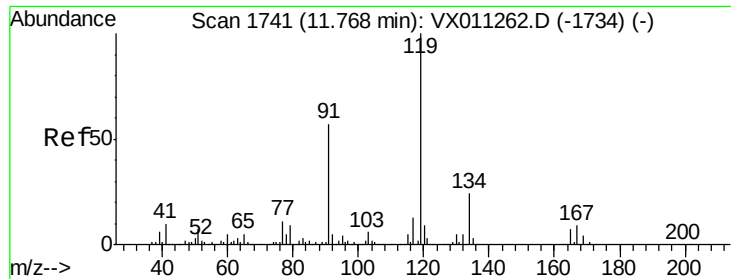
Tgt Ion: 91 Resp: 135373

Ion Ratio Lower Upper

91 100

126 31.7 16.4 49.2





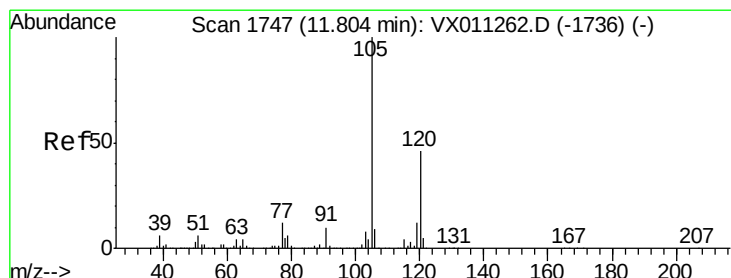
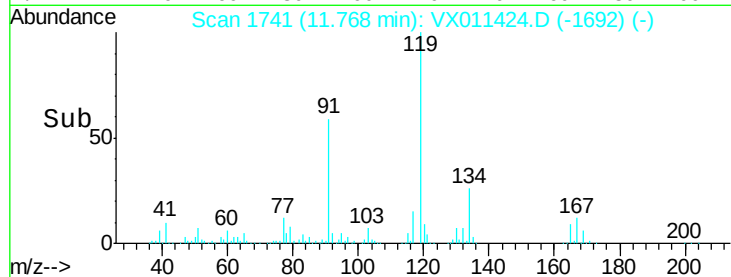
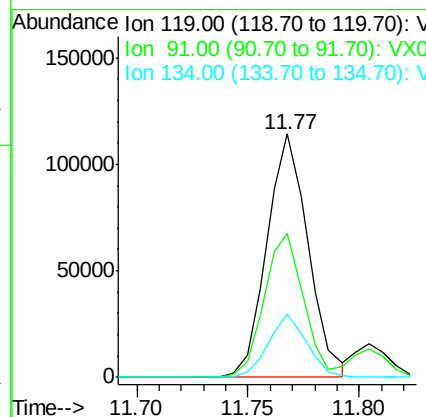
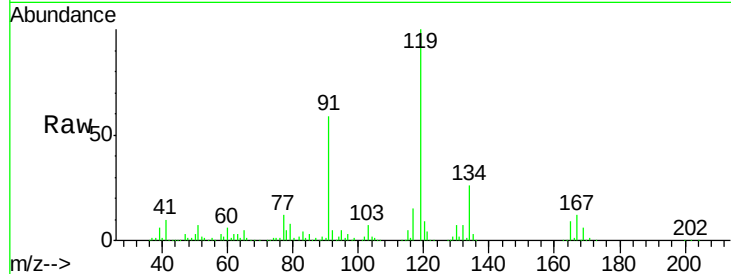
#83
 tert-Butylbenzene
 Concen: 20.211 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	146837		
91	56.1	28.0	84.0	
134	24.0	11.9	35.5	

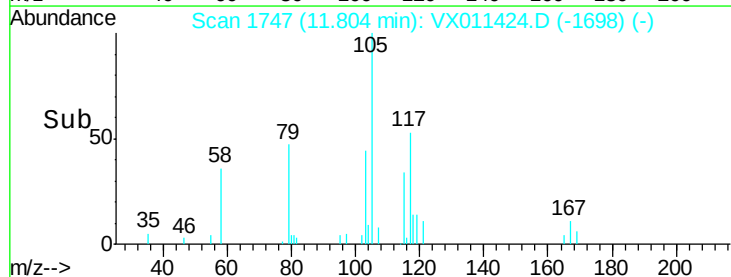
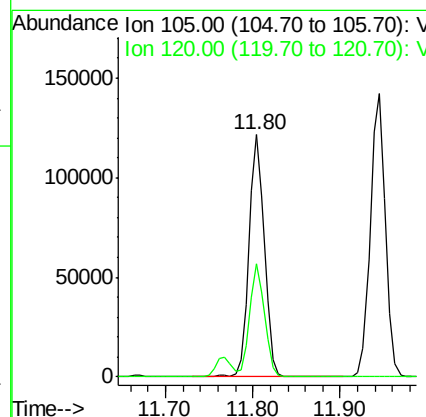
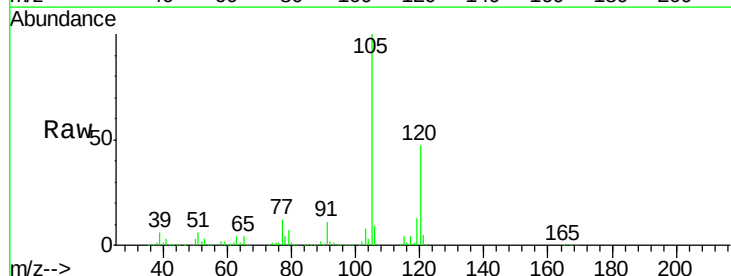
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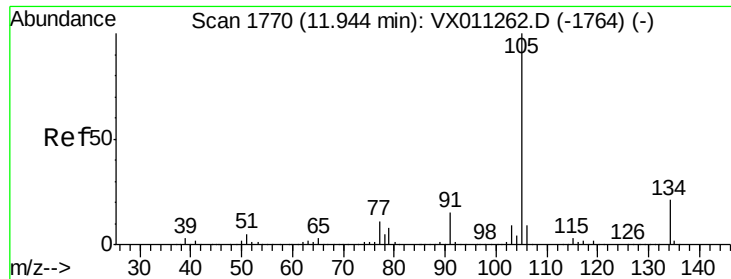
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.069 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	148007		
120	45.4	23.0	69.0	





#85

sec-Butylbenzene

Concen: 19.680 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBSD01

Tot Ion:105 Resp: 171778

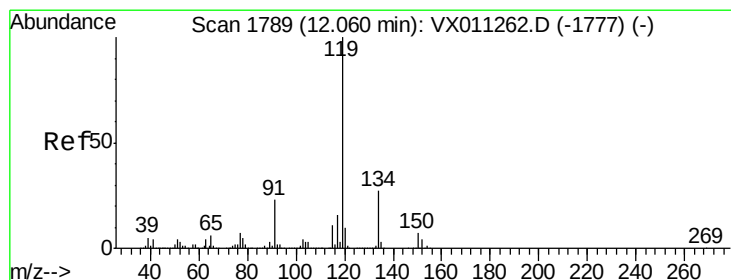
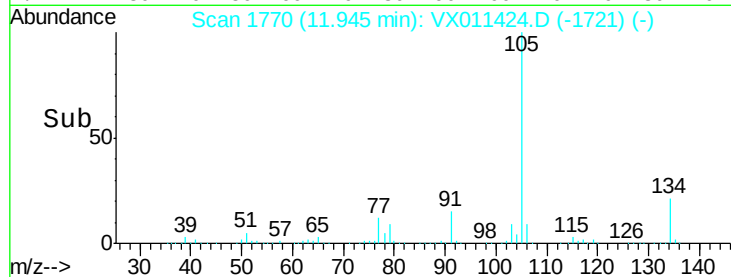
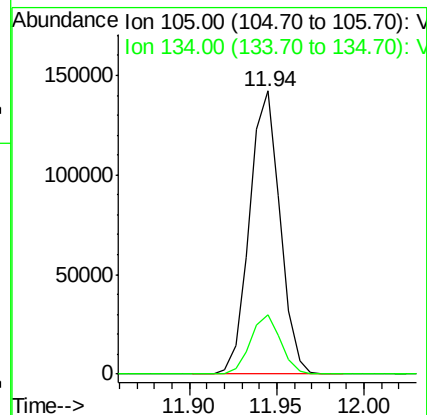
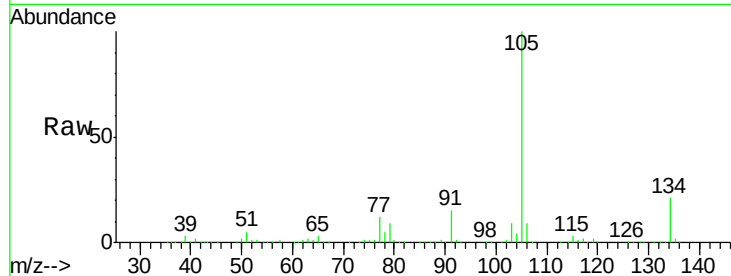
Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 19.479 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

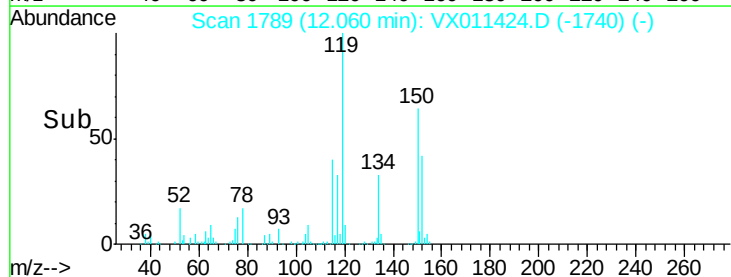
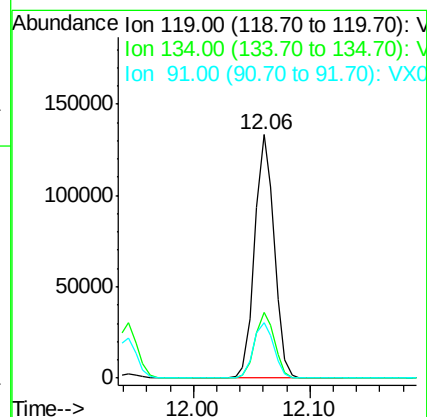
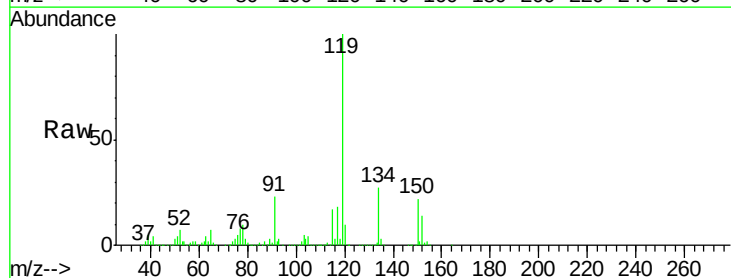
Tgt Ion:119 Resp: 156414

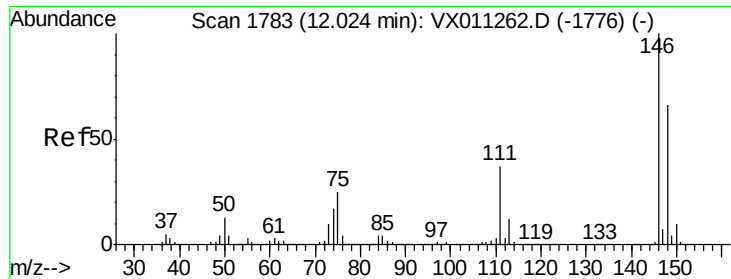
Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.0

91 24.0 11.4 34.2





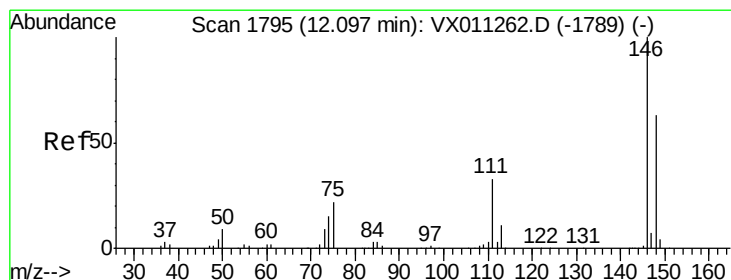
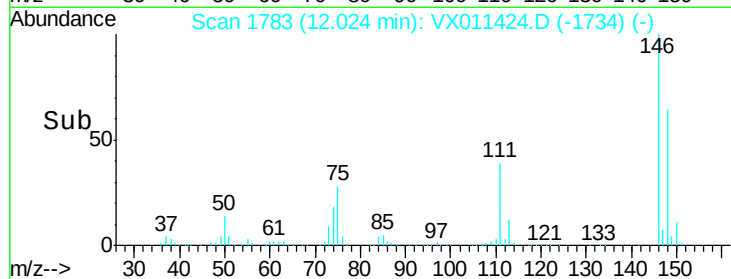
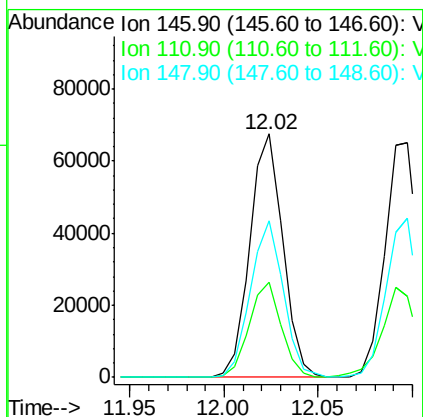
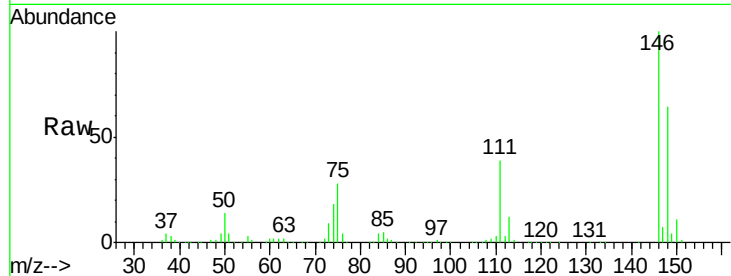
#87
 1,3-Dichlorobenzene
 Concen: 18.964 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	55.8
148	64.2	32.5	97.5

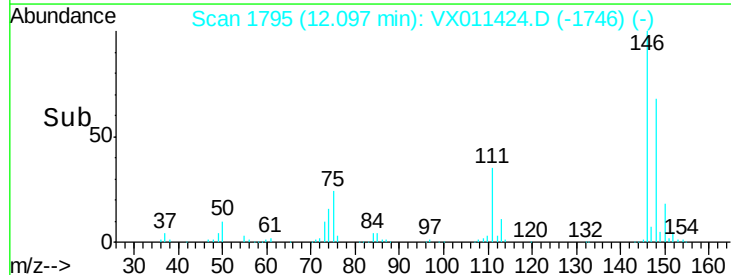
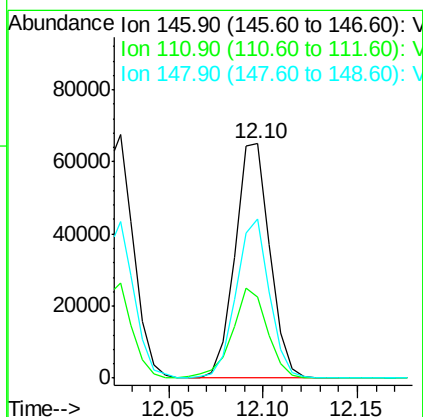
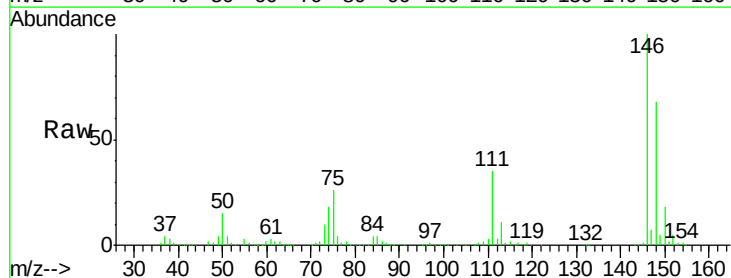
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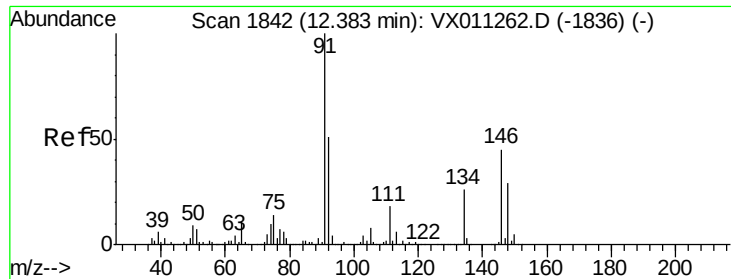
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#88
 1,4-Dichlorobenzene
 Concen: 18.643 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	17.8	53.4
148	65.1	31.8	95.3





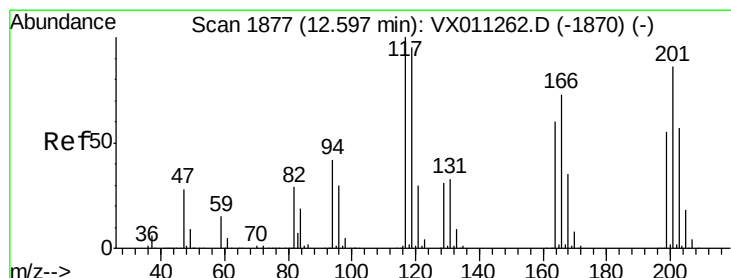
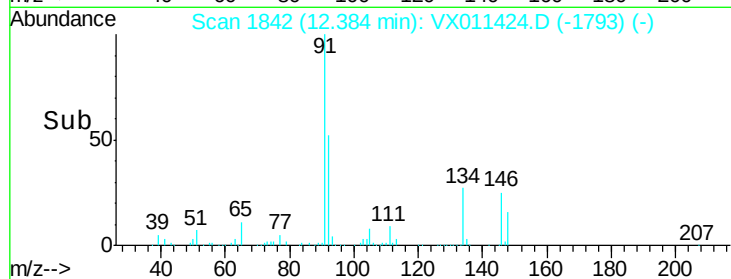
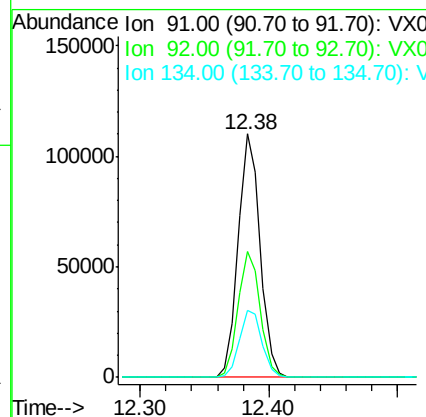
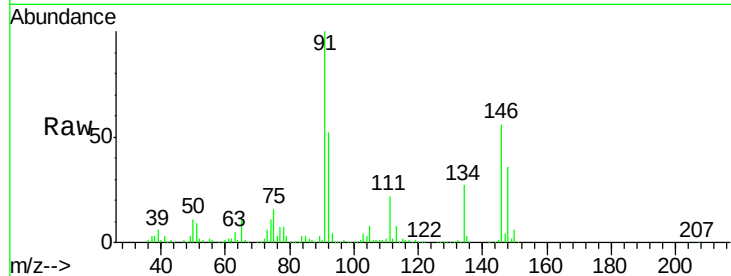
#89
n-Butylbenzene
Concen: 19.020 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.8	77.3
134	28.2	13.7	41.0

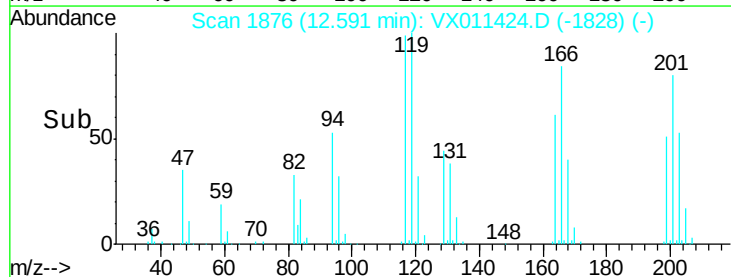
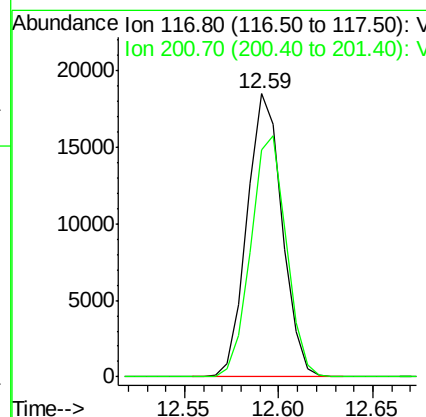
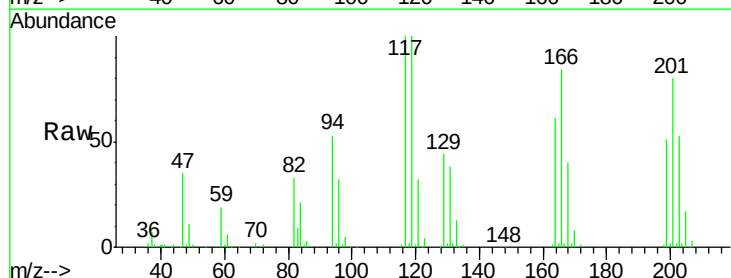
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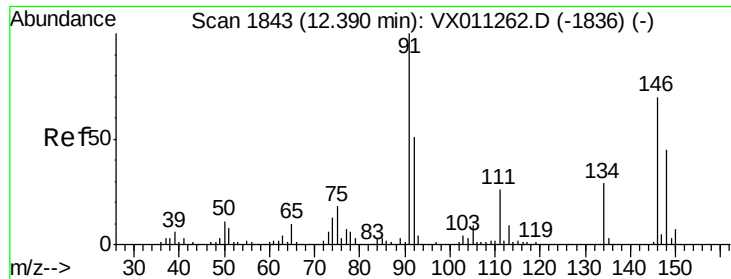
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#90
Hexachloroethane
Concen: 20.117 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011424.D
Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.4	41.8	125.4





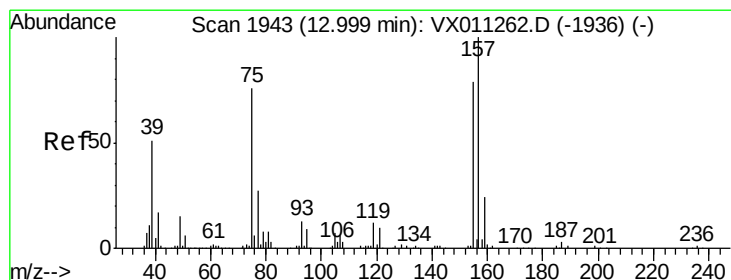
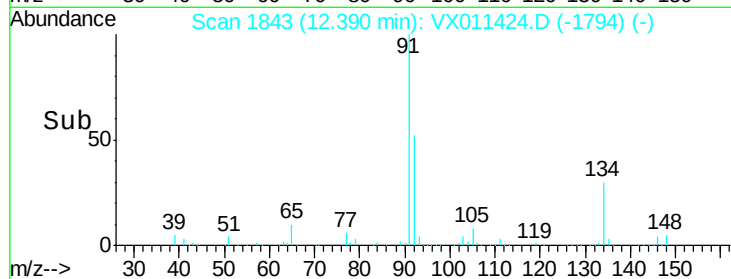
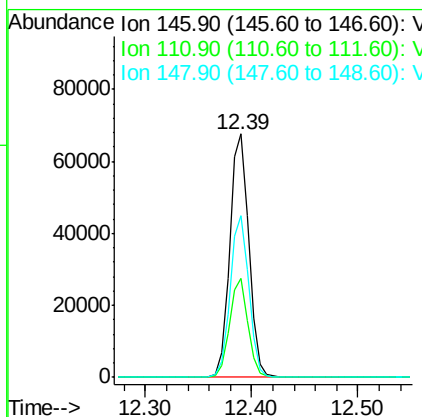
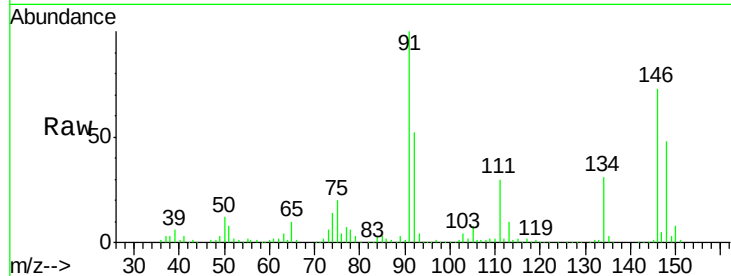
#91
 1,2-Dichlorobenzene
 Concen: 19.422 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.1
148	65.3	32.3	96.8

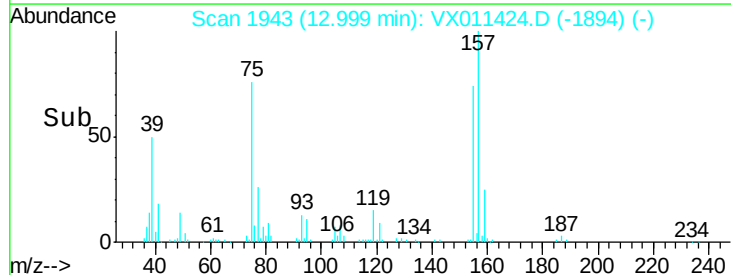
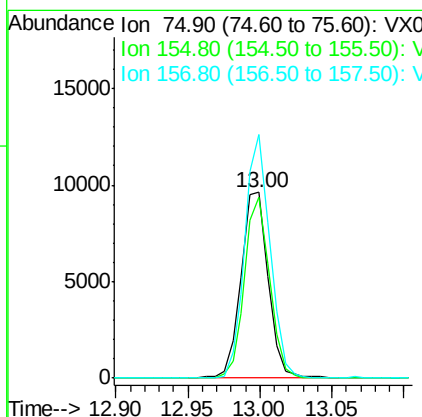
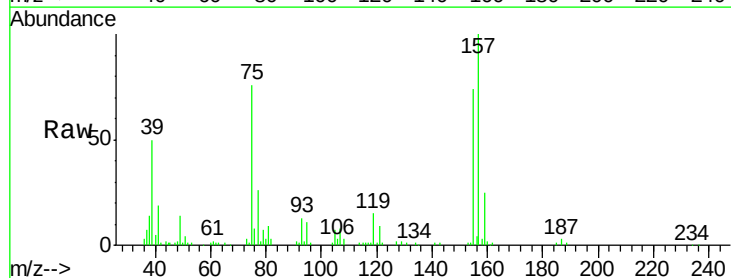
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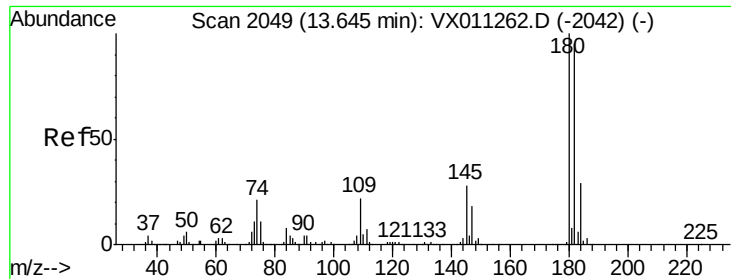
MMDadoda
 8/12/2019 10:30:29 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.112 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	51.9	155.8
157	120.7	64.3	192.7





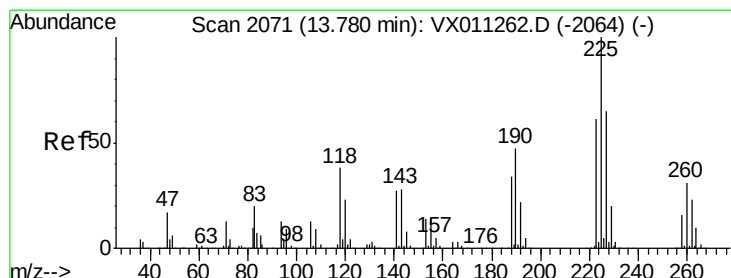
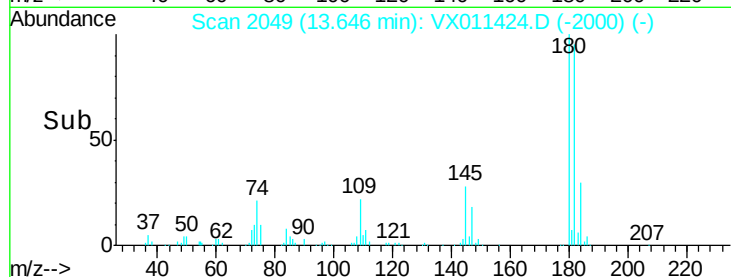
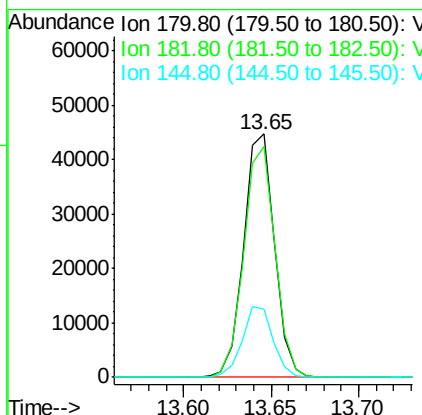
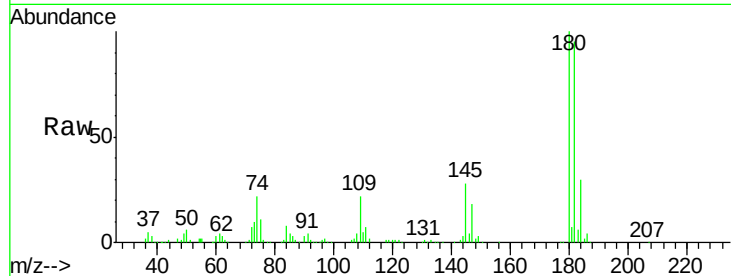
#93
 1,2,4-Trichlorobenzene
 Concen: 18.990 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	54861		
182	96.2	47.8	143.4	
145	29.1	14.8	44.3	

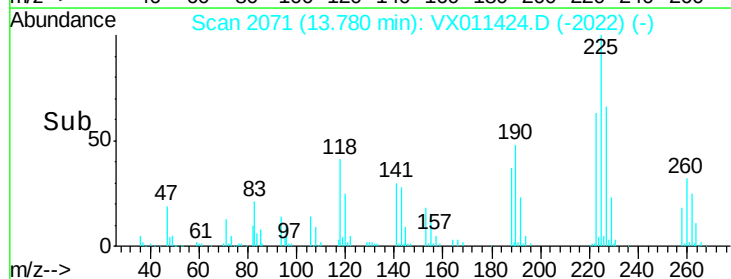
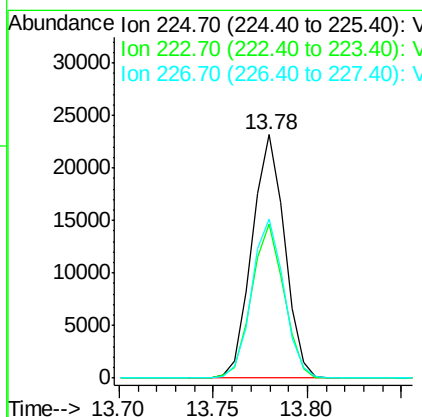
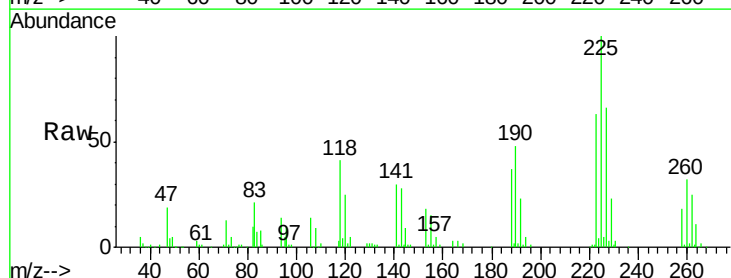
Manual Integrations
 APPROVED

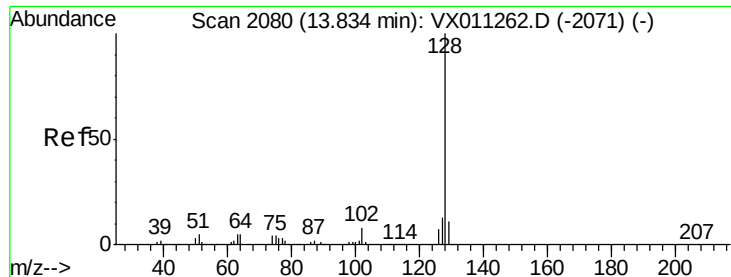
MMDadoda
 8/12/2019 10:30:29 AM



#94
 Hexachlorobutadiene
 Concen: 18.994 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011424.D
 Acq: 11 Aug 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27840		
223	62.7	31.0	93.0	
227	64.6	32.2	96.6	





#95

Naphthalene

Concen: 19.610 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Instrument :

MSVOA_X

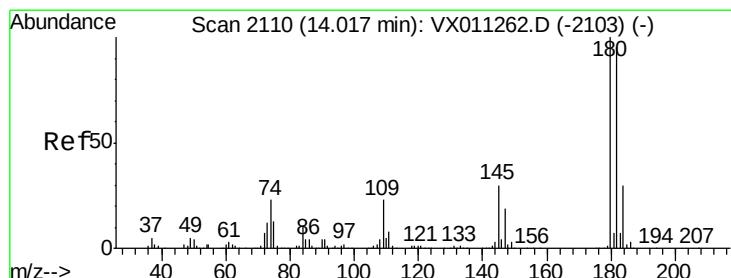
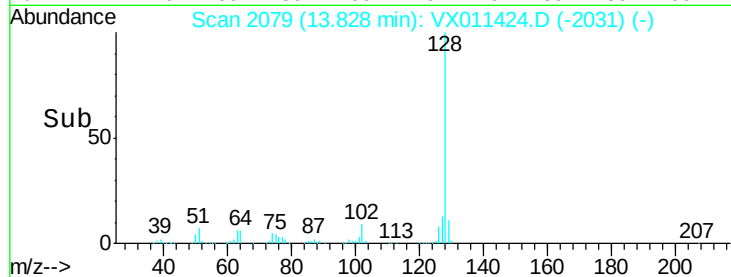
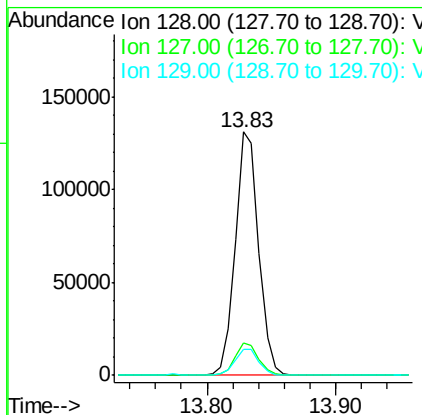
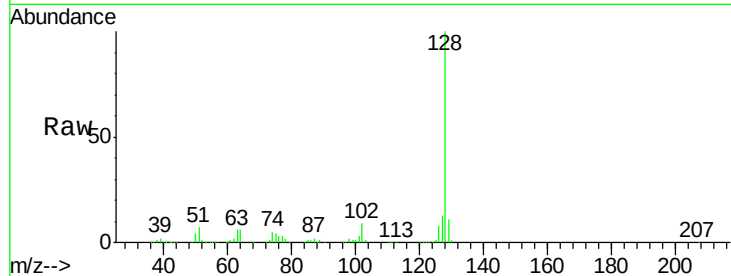
ClientSampled :

VX0811WBSD01

Tot Ion:	128	Resp:	165676
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:29 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.122 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011424.D

Acq: 11 Aug 2019 12:22

Tgt Ion:	180	Resp:	56161
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.4	142.3
145	30.0	15.2	45.6

