

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081219\
 Data File : VX011496.D
 Acq On : 12 Aug 2019 20:09
 Operator : JC/SP
 Sample : K4278-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0693MSD

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:18:11 AM

Quant Time: Aug 13 08:54:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	146114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	222771	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	210347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111560	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	87924	59.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.50%	
35) Dibromofluoromethane	5.49	113	76364	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	8.71	98	279850	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	11.13	95	106349	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	50569	44.811 ug/l	100
3) Chloromethane	1.32	50	57139	45.088 ug/l	99
4) Vinyl Chloride	1.40	62	64993	46.624 ug/l	99
5) Bromomethane	1.63	94	45896	46.165 ug/l	100
6) Chloroethane	1.71	64	42303	48.964 ug/l	99
7) Trichlorofluoromethane	1.92	101	114804	46.319 ug/l	97
8) Diethyl Ether	2.18	74	40873	46.182 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	61282	45.695 ug/l	98
10) Methyl Iodide	2.50	142	81921	48.451 ug/l	97
11) Tert butyl alcohol	3.04	59	83725	285.341 ug/l	100
12) 1,1-Dichloroethene	2.36	96	63541	47.797 ug/l	86
13) Acrolein	2.29	56	42966	235.603 ug/l	100
14) Allyl chloride	2.72	41	97208	54.849 ug/l	95
15) Acrylonitrile	3.14	53	197530	282.108 ug/l	99
16) Acetone	2.44	43	170817	243.892 ug/l	96
17) Carbon Disulfide	2.56	76	143251	45.919 ug/l	100
18) Methyl Acetate	2.76	43	92982	58.093 ug/l	98
19) Methyl tert-butyl Ether	3.18	73	222887	56.893 ug/l	99
20) Methylene Chloride	2.85	84	75943	49.511 ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	82833	58.903 ug/l	93
22) Diisopropyl ether	3.85	45	216427	55.563 ug/l	99
23) Vinyl Acetate	3.81	43	929026	287.565 ug/l	99
24) 1,1-Dichloroethane	3.69	63	123035	53.568 ug/l	99
25) 2-Butanone	4.67	43	277501	278.534 ug/l	99
26) 2,2-Dichloropropane	4.58	77	79919	44.761 ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	86120	53.167 ug/l	99
28) Bromochloromethane	5.01	49	56654	54.106 ug/l	98
29) Tetrahydrofuran	5.12	42	174378	285.456 ug/l	98
30) Chloroform	5.20	83	139523	55.891 ug/l	98
31) Cyclohexane	5.57	56	89943	47.465 ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	120060	56.143 ug/l	99
36) 1,1-Dichloropropene	5.79	75	94172	48.418 ug/l	98
37) Ethyl Acetate	4.82	43	102338	52.455 ug/l	99
38) Carbon Tetrachloride	5.77	117	104942	53.629 ug/l	98

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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	96181	41.719	ug/l	98
40) Benzene	6.13	78	290488	50.049	ug/l	97
41) Methacrylonitrile	5.04	41	57133	53.622	ug/l	97
42) 1,2-Dichloroethane	6.19	62	110023	56.059	ug/l	97
43) Isopropyl Acetate	6.44	43	166399	53.347	ug/l	100
44) Trichloroethene	7.21	130	83413	47.480	ug/l	98
45) 1,2-Dichloropropane	7.51	63	76235	50.717	ug/l	98
46) Dibromomethane	7.66	93	55933	50.973	ug/l	96
47) Bromodichloromethane	7.90	83	104164	56.067	ug/l	99
48) Methyl methacrylate	7.77	41	82687	56.329	ug/l	97
49) 1,4-Dioxane	7.74	88	38666	908.584	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	570987	283.651	ug/l	99
52) Toluene	8.78	92	189550	49.395	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	105298	48.743	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	112678	51.921	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	84225	53.382	ug/l	100
56) Ethyl methacrylate	9.18	69	125713	55.911	ug/l	98
57) 1,3-Dichloropropane	9.37	76	130834	52.433	ug/l	99
59) 2-Hexanone	9.49	43	439321	281.762	ug/l	98
60) Dibromochloromethane	9.58	129	90390	55.957	ug/l	99
61) 1,2-Dibromoethane	9.67	107	88897	52.150	ug/l	100
64) Tetrachloroethene	9.34	164	76631	42.898	ug/l	96
65) Chlorobenzene	10.13	112	220554	48.902	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	83856	54.309	ug/l	99
67) Ethyl Benzene	10.25	91	381274	50.478	ug/l	98
68) m/p-Xylenes	10.35	106	291060	99.623	ug/l	96
69) o-Xylene	10.69	106	142881	49.774	ug/l	98
70) Styrene	10.71	104	247447	52.096	ug/l	98
71) Bromoform	10.85	173	67305	48.822	ug/l	100
73) Isopropylbenzene	11.02	105	387614	50.802	ug/l	100
74) N-amyl acetate	10.90	43	149688	54.295	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	131986	51.909	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	111212m	54.740	ug/l	
77) Bromobenzene	11.25	156	105628	49.925	ug/l	97
78) n-propylbenzene	11.36	91	426454	50.260	ug/l	99
79) 2-Chlorotoluene	11.42	91	258696	51.153	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	326837	51.172	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	34637	45.930	ug/l	95
82) 4-Chlorotoluene	11.51	91	303744	51.536	ug/l	97
83) tert-Butylbenzene	11.77	119	327325	52.253	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	327973	51.575	ug/l	99
85) sec-Butylbenzene	11.94	105	373265	49.595	ug/l	100
86) p-Isopropyltoluene	12.06	119	344008	49.684	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	183234	49.015	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	185747	48.186	ug/l	99
89) n-Butylbenzene	12.38	91	287226	48.151	ug/l	99
90) Hexachloroethane	12.60	117	56420	55.116	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	186822	49.738	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	28640	58.138	ug/l	90
93) 1,2,4-Trichlorobenzene	13.65	180	120251	48.274	ug/l	100

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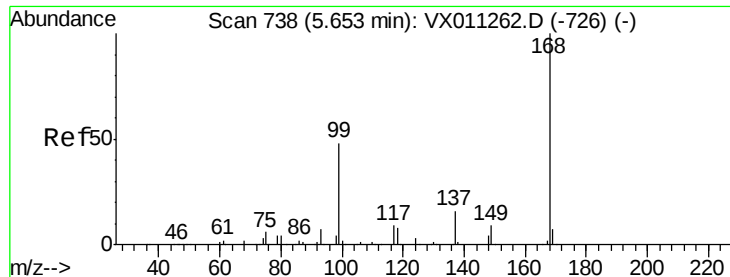
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QLast Update : Fri Aug 02 01:55:00 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	57660	45.623	ug/l	99
95) Naphthalene	13.83	128	388923	53.389	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	123314	48.694	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampled :

Z3-0693MSD

Tot Ion:168 Resp: 146114

Ion Ratio Lower Upper

168 100

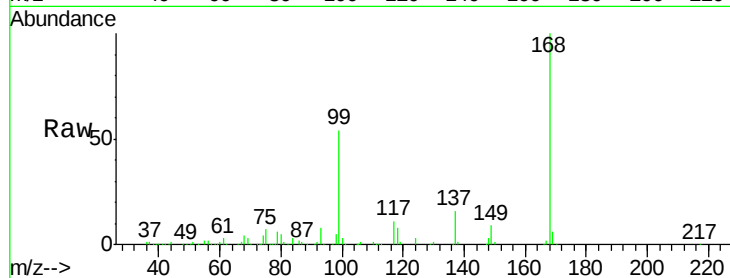
99 53.7 38.5 57.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

50000

40000

30000

20000

10000

0

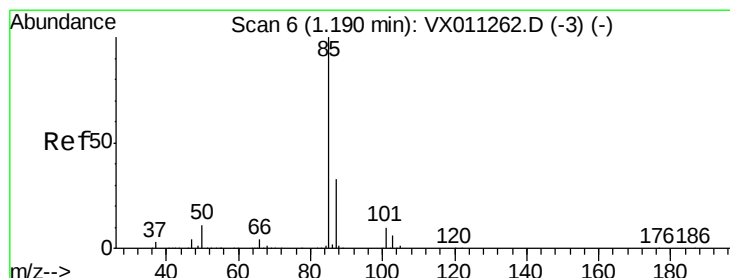
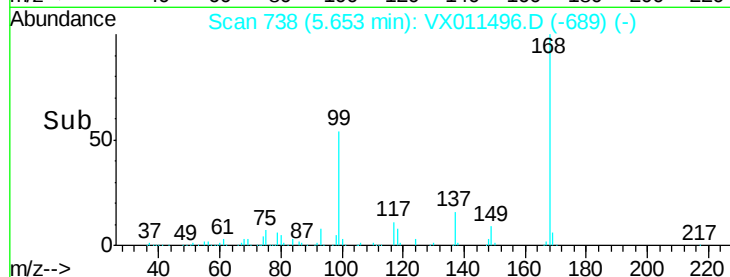
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.811 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011496.D

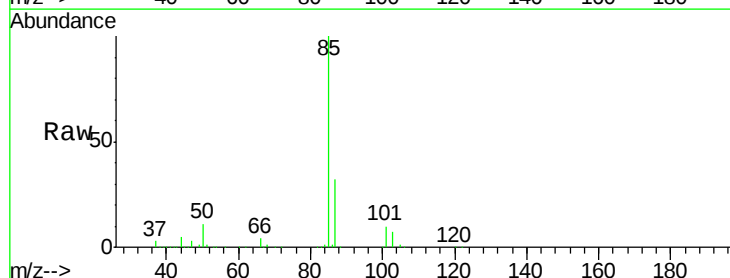
Acq: 12 Aug 2019 20:09

Tgt Ion: 85 Resp: 50569

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

50000

40000

30000

20000

10000

0

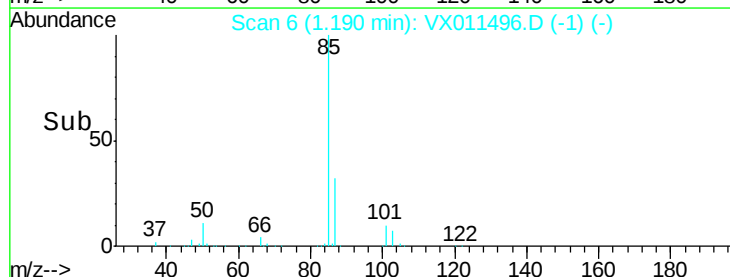
1.15

1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 45.088 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-0693MSD

Tot Ion: 50 Resp: 57139

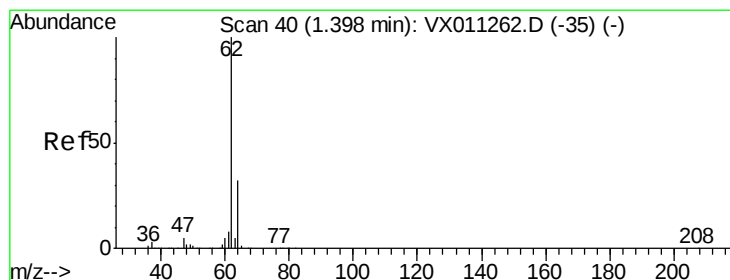
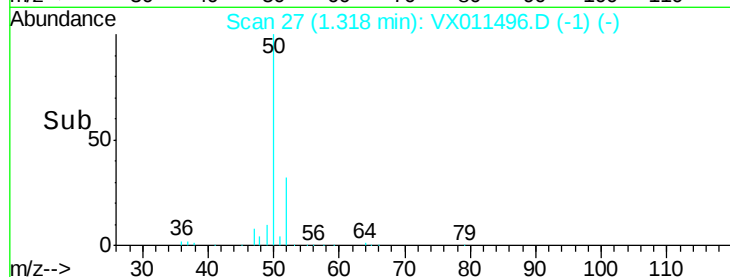
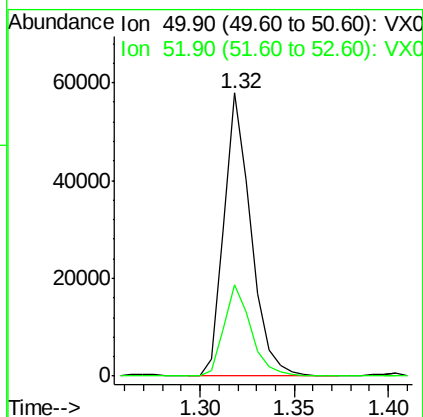
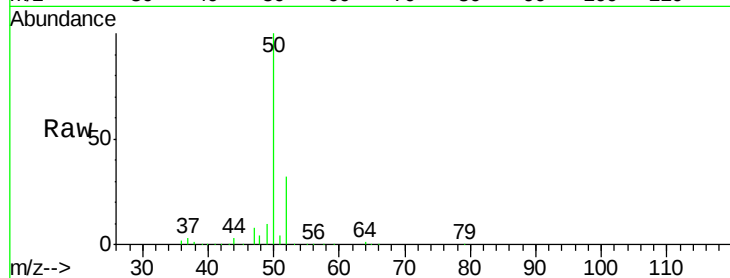
Ion Ratio Lower Upper

50 100

52 32.3 26.4 39.6

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#4

Vinyl Chloride

Concen: 46.624 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011496.D

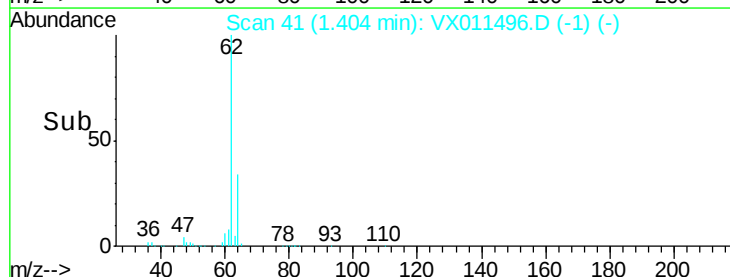
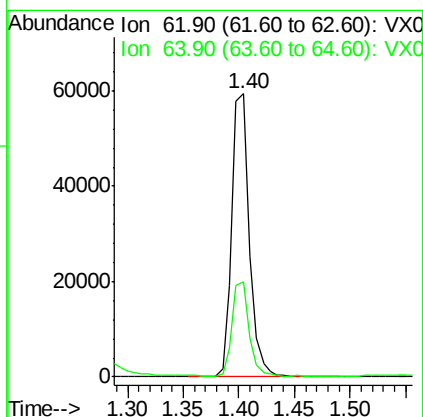
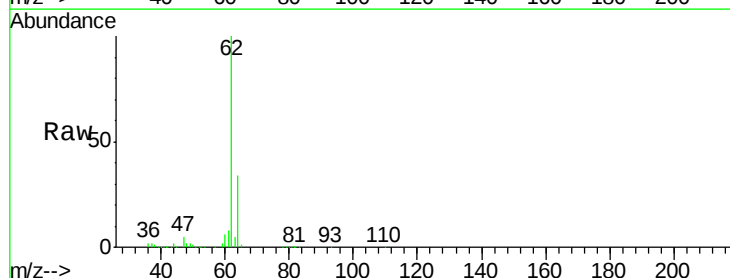
Acq: 12 Aug 2019 20:09

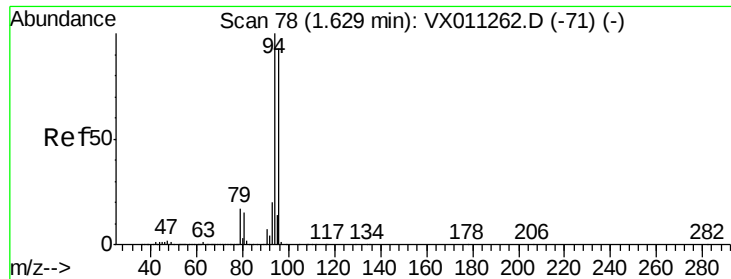
Tgt Ion: 62 Resp: 64993

Ion Ratio Lower Upper

62 100

64 33.3 26.0 39.0





#5

Bromomethane

Concen: 46.165 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

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ClientSampleId :

Z3-0693MSD

Tot Ion: 94 Resp: 45896

Ion Ratio Lower Upper

94 100

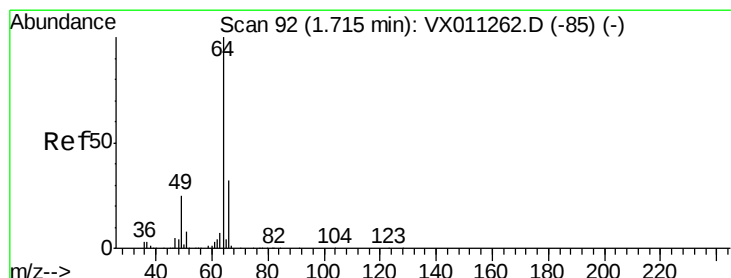
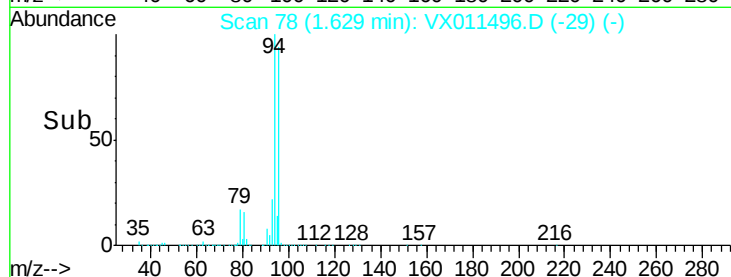
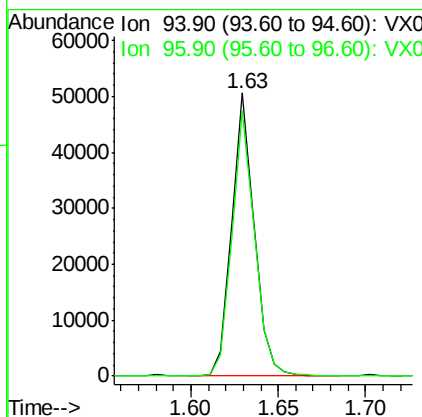
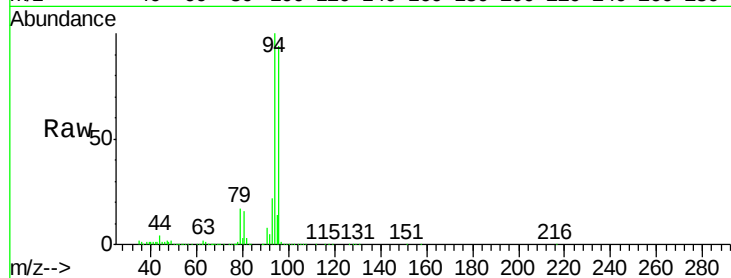
96 93.6 74.6 112.0

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#6

Chloroethane

Concen: 48.964 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011496.D

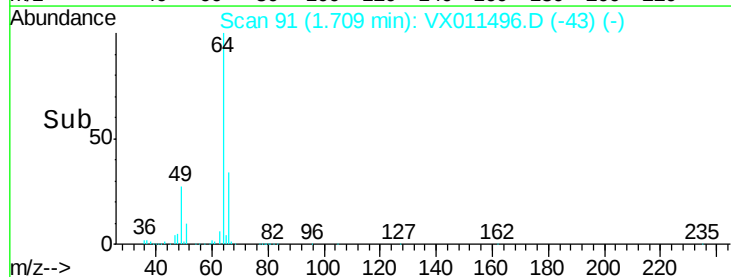
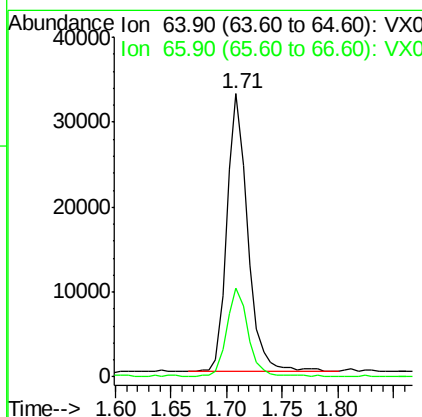
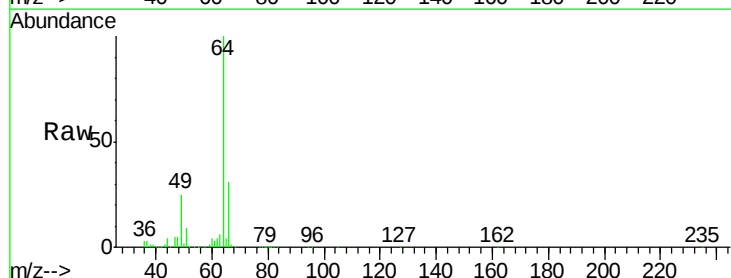
Acq: 12 Aug 2019 20:09

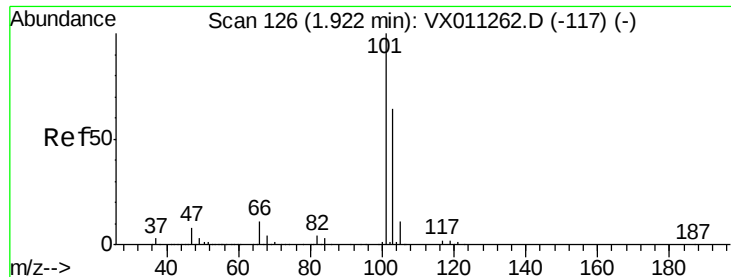
Tgt Ion: 64 Resp: 42303

Ion Ratio Lower Upper

64 100

66 31.7 25.1 37.7





#7

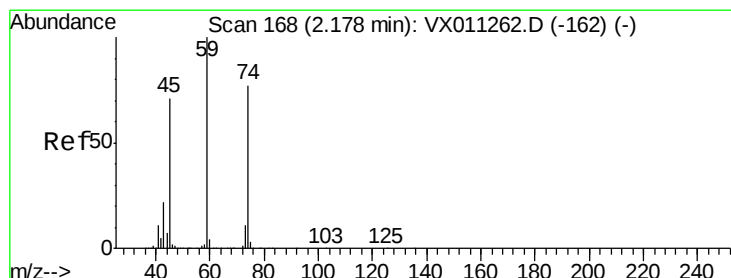
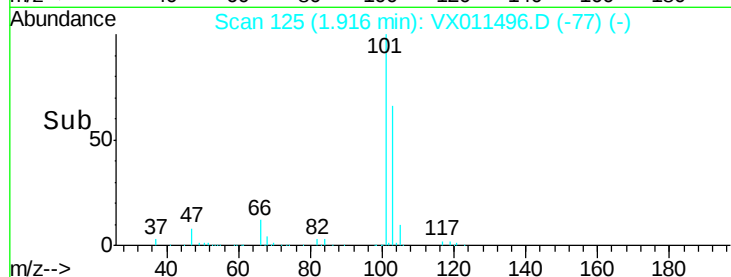
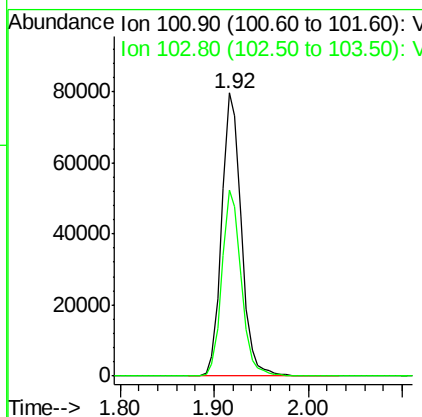
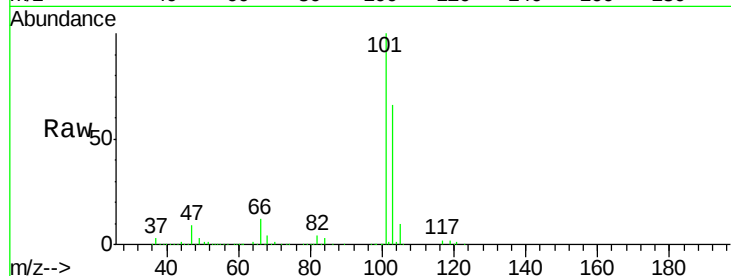
Trichlorofluoromethane
Concen: 46.319 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Instrument :
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ClientSampleId :
Z3-0693MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	50.9	76.3

Manual Integrations
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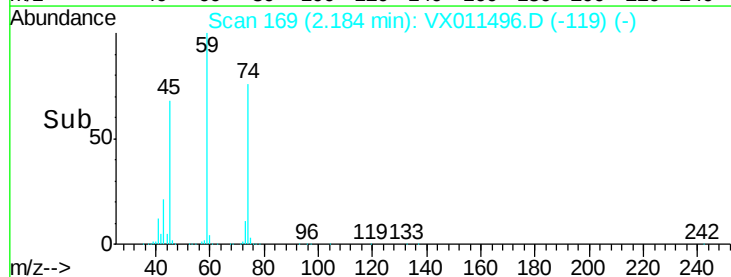
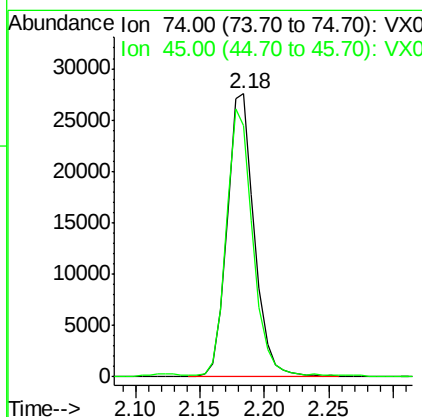
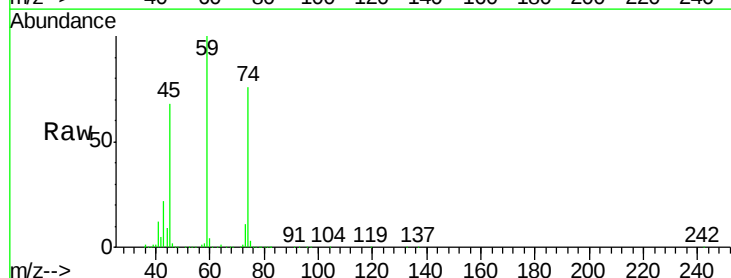
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#8

Diethyl Ether
Concen: 46.182 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.2	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.695 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

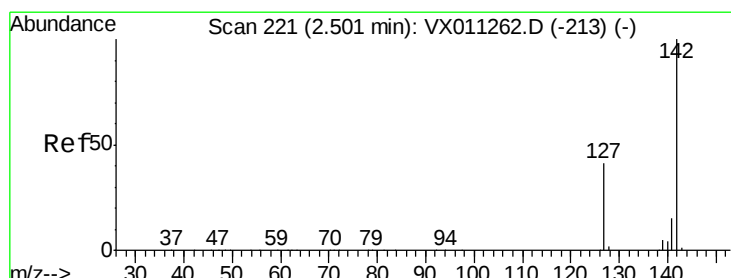
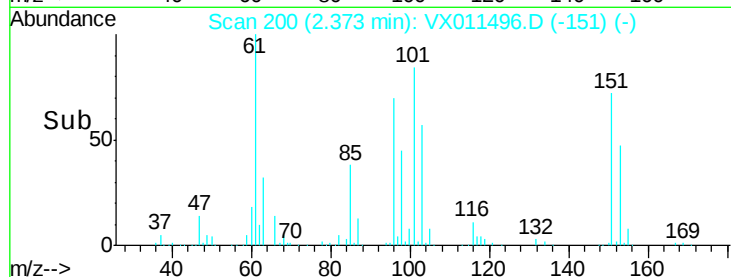
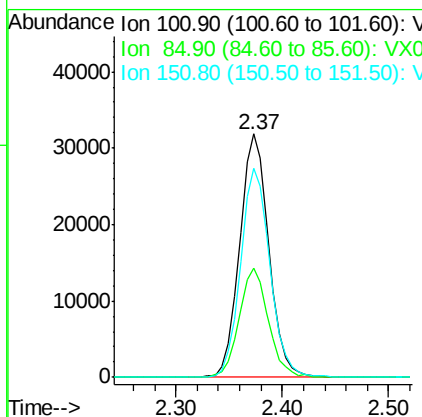
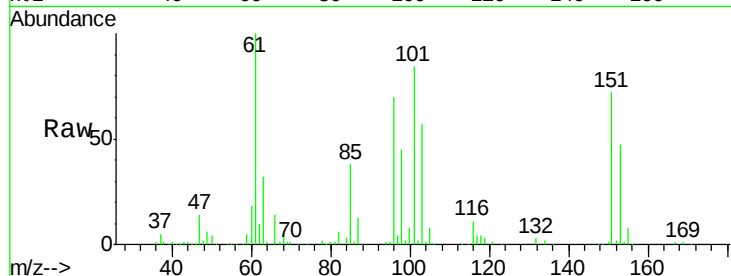
ClientSampleId :

Z3-0693MSD

Tot Ion:	101	Resp:	61282
Ion Ratio	Lower	Upper	
101	100		
85	45.0	33.8	50.6
151	86.6	69.5	104.3

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#10

Methyl Iodide

Concen: 48.451 ug/l

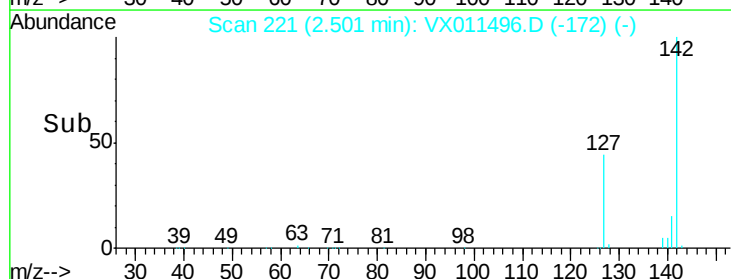
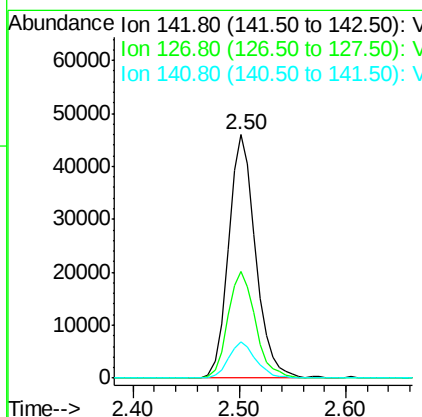
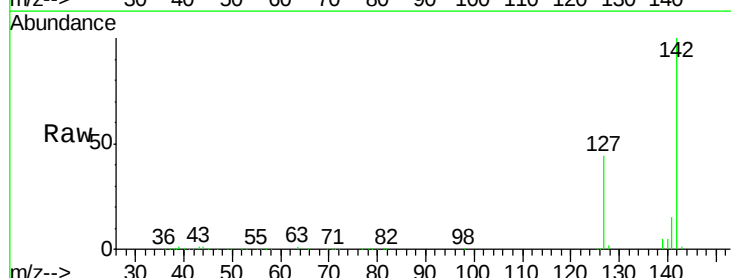
RT: 2.50 min Scan# 221

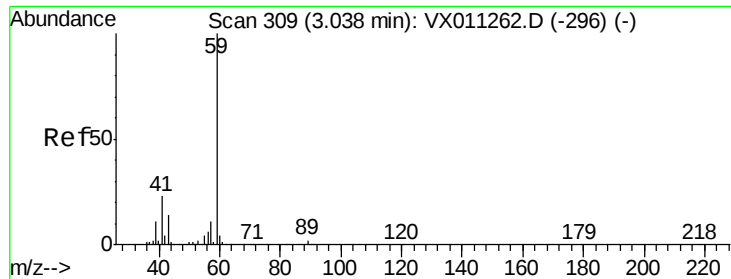
Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Tgt Ion:	142	Resp:	81921
Ion Ratio	Lower	Upper	
142	100		
127	44.8	33.8	50.8
141	15.0	11.4	17.2





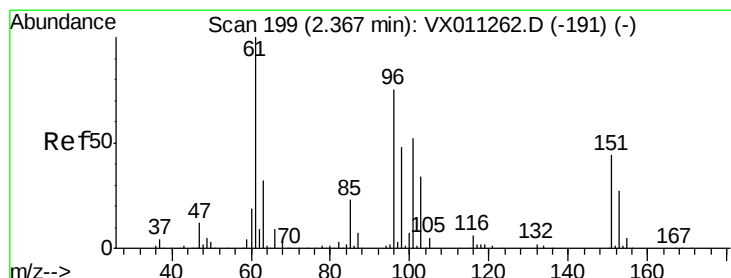
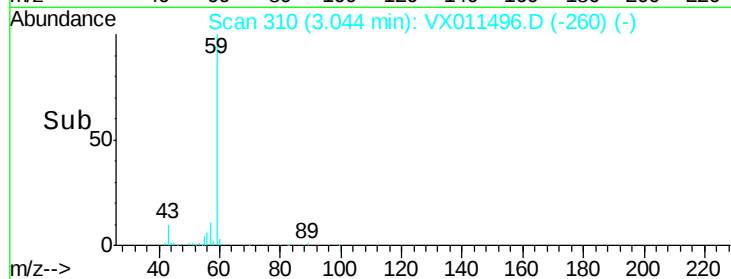
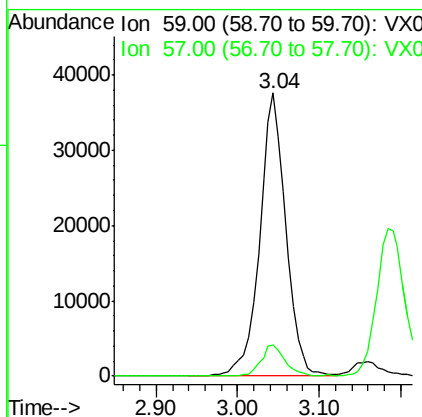
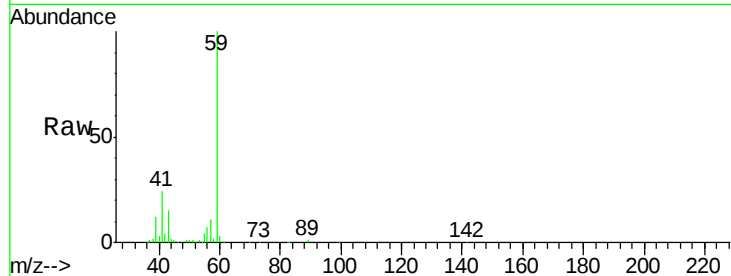
#11
Tert butyl alcohol
Concen: 285.341 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
Z3-0693MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

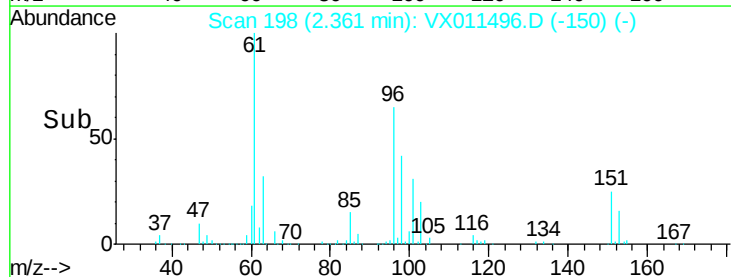
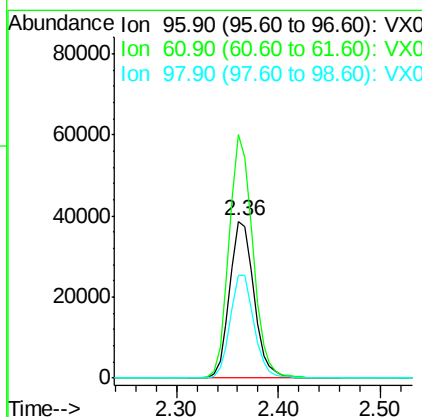
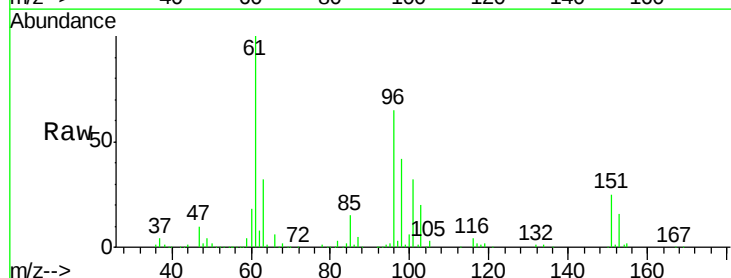
Manual Integrations
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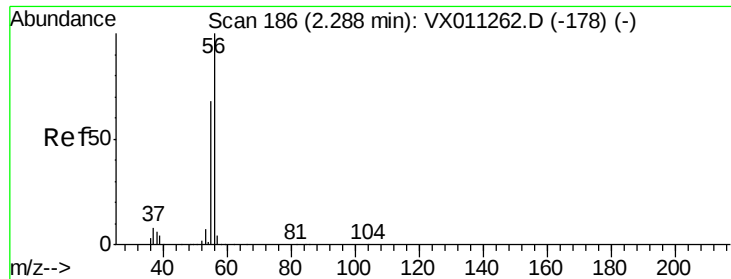
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8/14/2019 9:18:11 AM



#12
1,1-Dichloroethene
Concen: 47.797 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.9	106.2	159.2
98	65.2	50.6	75.8





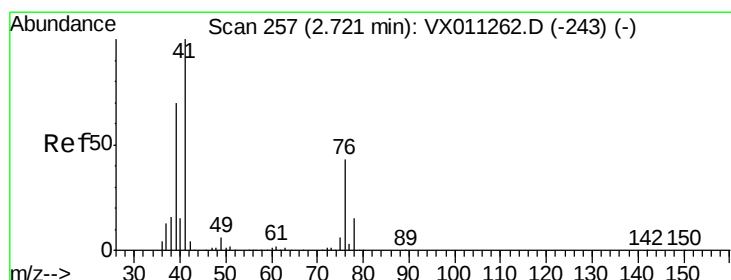
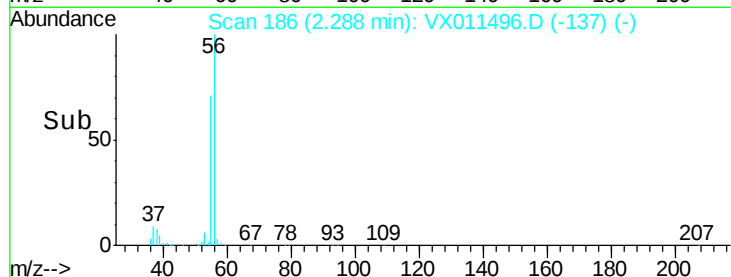
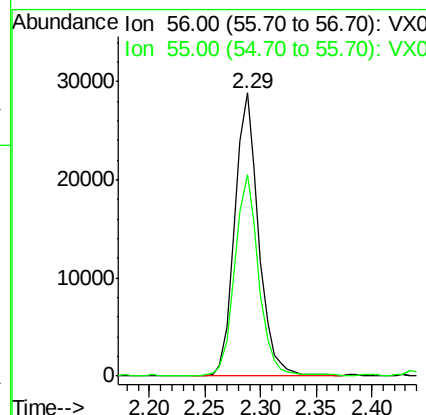
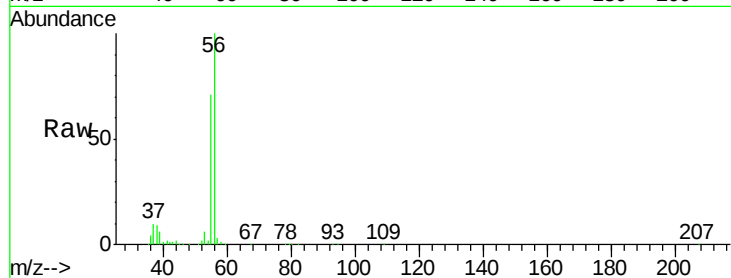
#13
Acrolein
Concen: 235.603 ug/l
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
Z3-0693MSD

Tot Ion	56	Resp	42966
Ion Ratio	100	Lower	Upper
56	100		
55	69.8	56.0	84.0

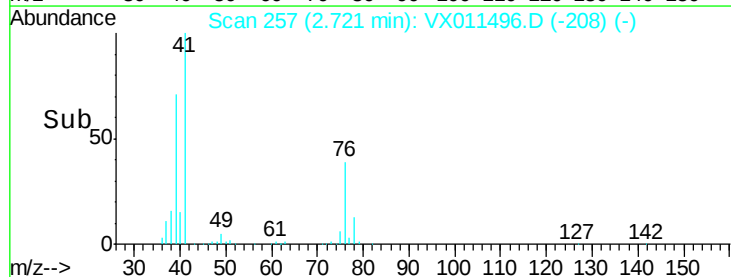
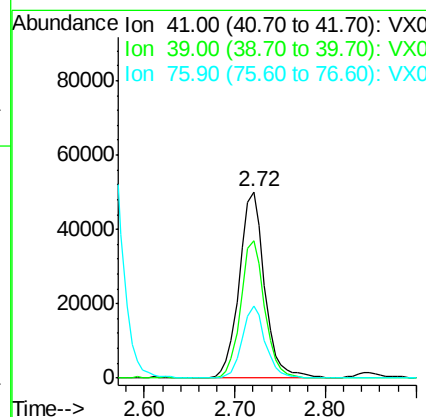
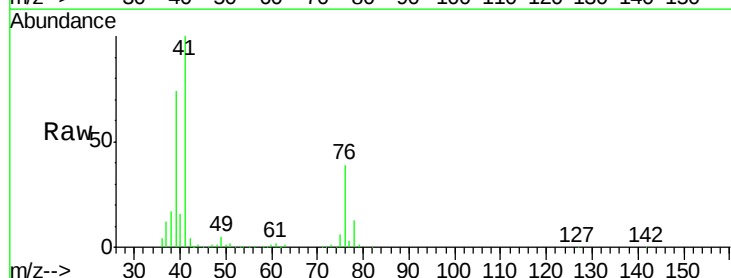
Manual Integrations
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#14
Allyl chloride
Concen: 54.849 ug/l
RT: 2.72 min Scan# 257
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Tgt Ion	41	Resp	97208
Ion Ratio	100	Lower	Upper
41	100		
39	69.2	52.8	79.2
76	35.0	31.1	46.7





#15

Acrylonitrile

Concen: 282.108 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

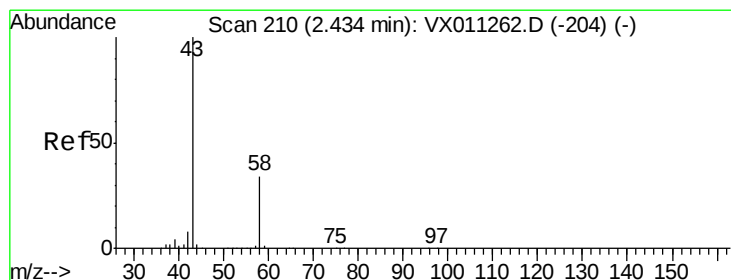
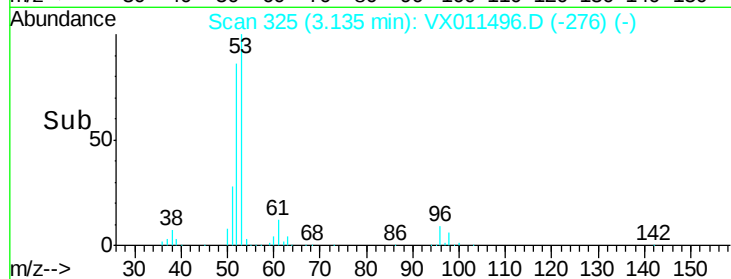
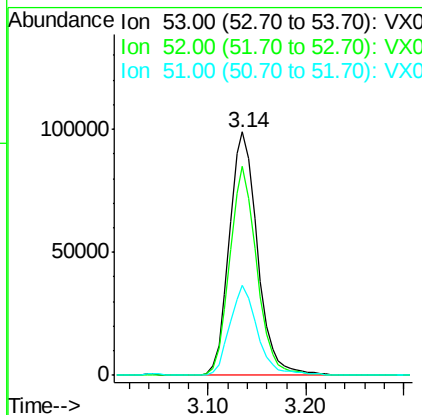
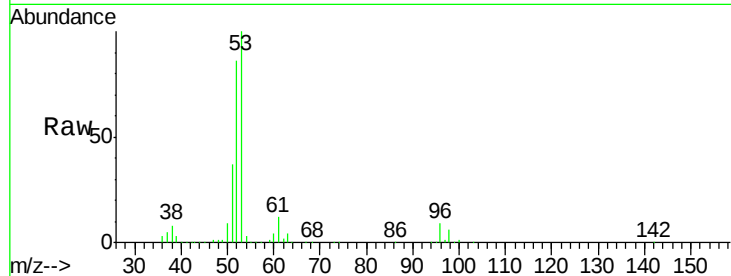
ClientSampled :

Z3-0693MSD

Tot Ion:	53	Resp:	197530
Ion Ratio		Lower	Upper
53	100		
52	82.8	65.5	98.3
51	36.4	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 243.892 ug/l

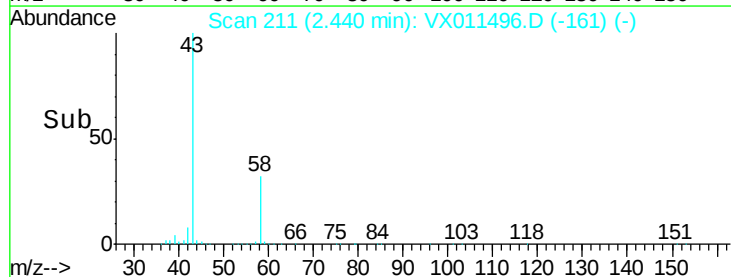
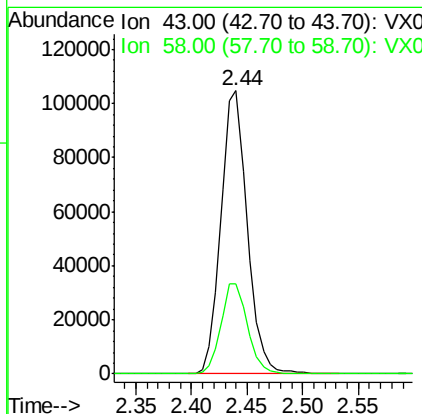
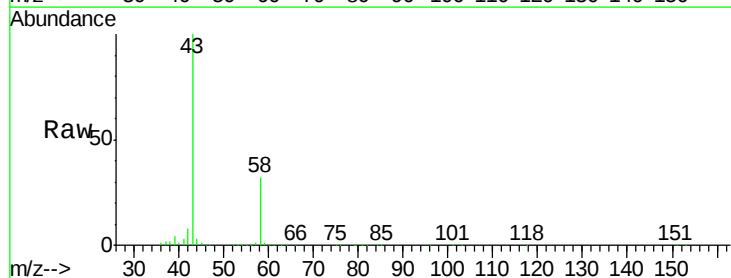
RT: 2.44 min Scan# 211

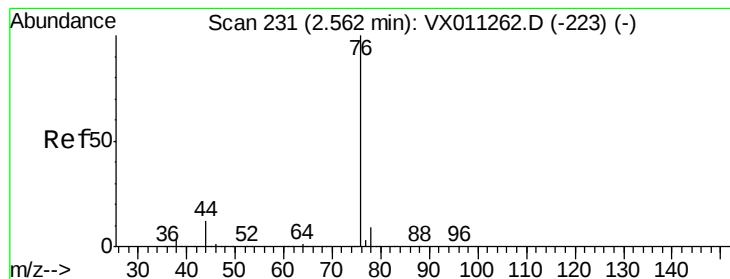
Delta R.T. 0.01 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Tgt Ion:	43	Resp:	170817
Ion Ratio		Lower	Upper
43	100		
58	31.8	27.4	41.0





#17

Carbon Disulfide

Concen: 45.919 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-0693MSD

Tot Ion: 76 Resp: 143251

Ion Ratio Lower Upper

76 100

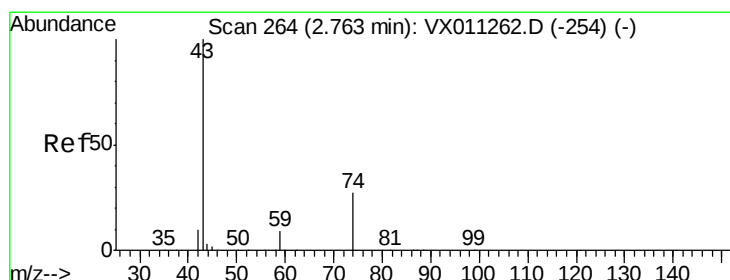
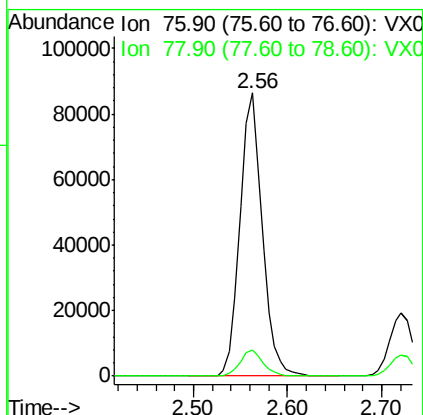
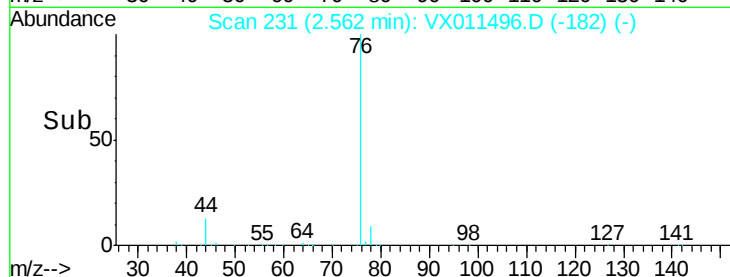
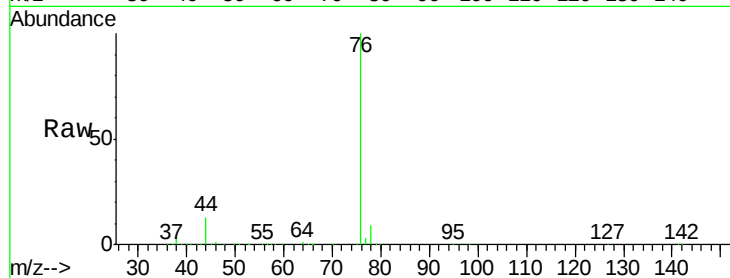
78 9.2 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 58.093 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011496.D

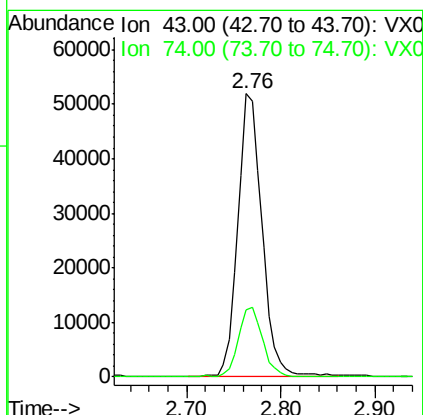
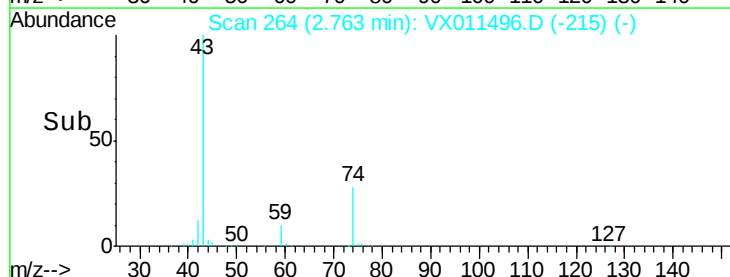
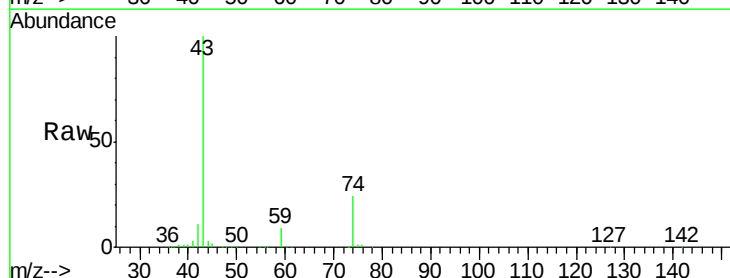
Acq: 12 Aug 2019 20:09

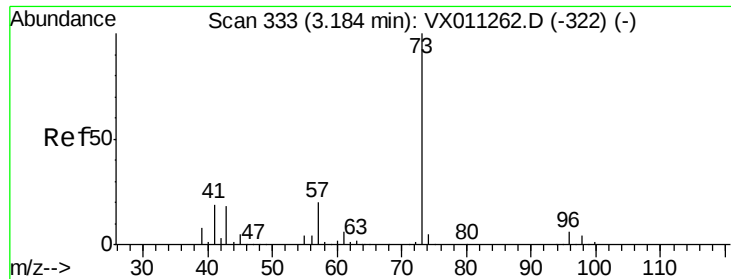
Tgt Ion: 43 Resp: 92982

Ion Ratio Lower Upper

43 100

74 25.2 21.0 31.6





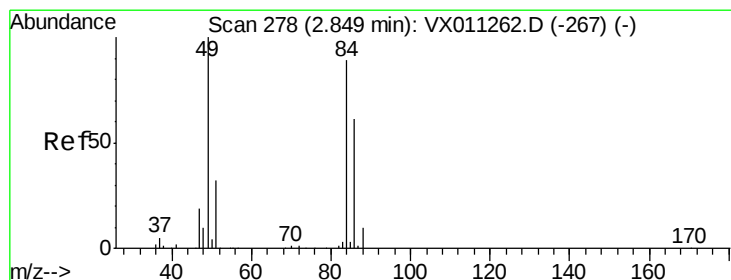
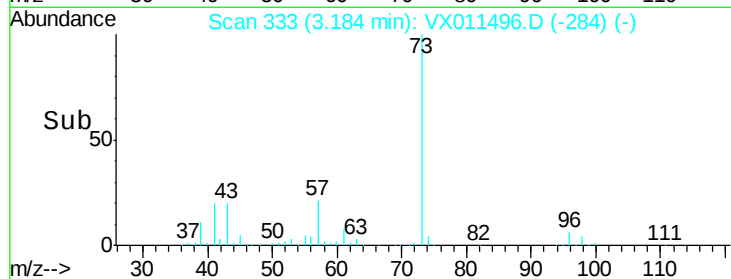
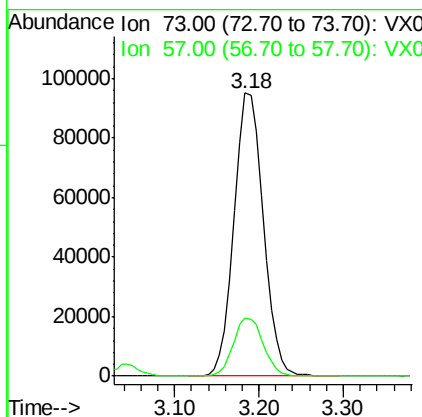
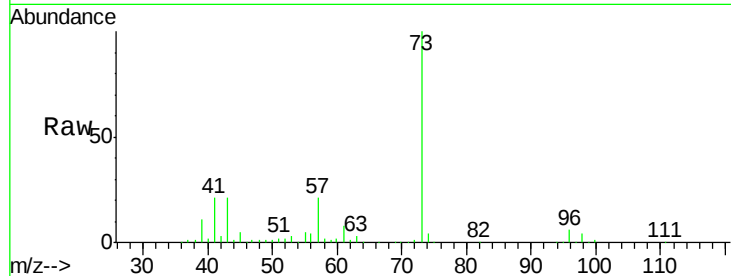
#19
Methvl tert-butvl Ether
Concen: 56.893 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
Z3-0693MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	16.2	24.2

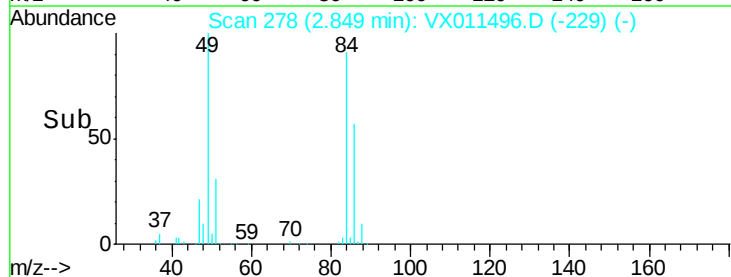
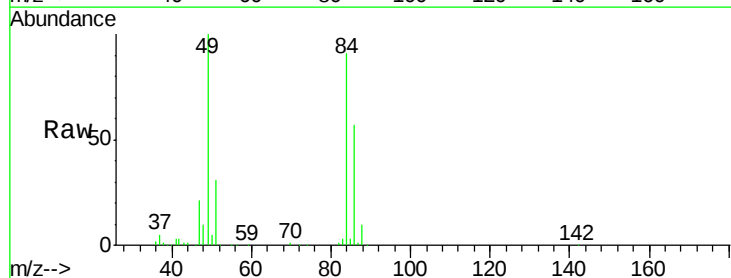
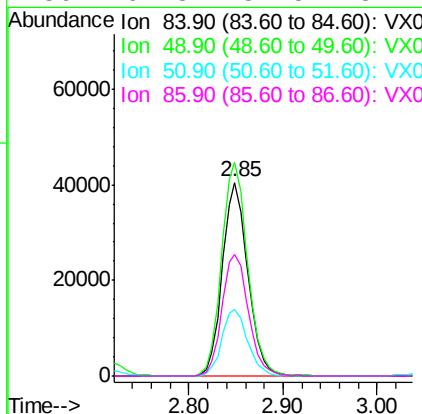
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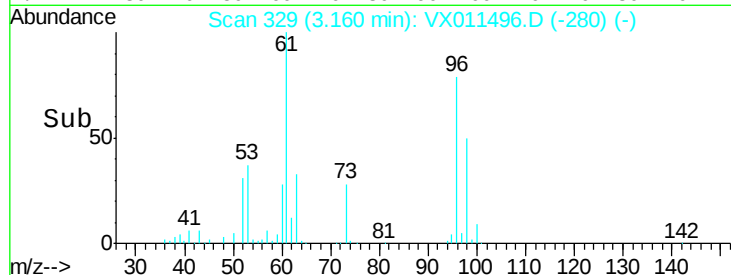
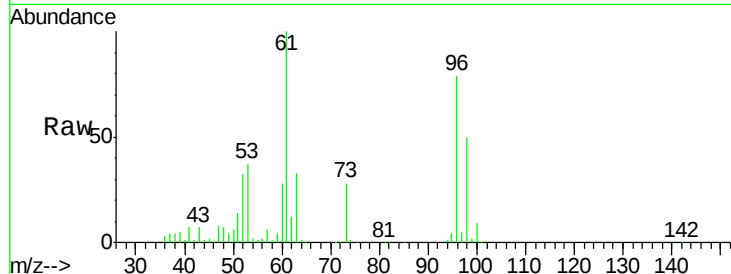
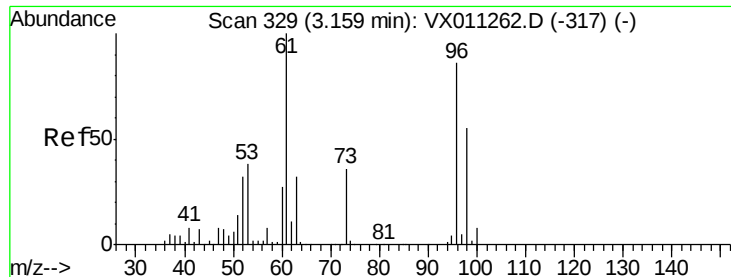
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#20
Methylene Chloride
Concen: 49.511 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.5	89.3	133.9
51	34.2	28.3	42.5
86	62.8	54.5	81.7





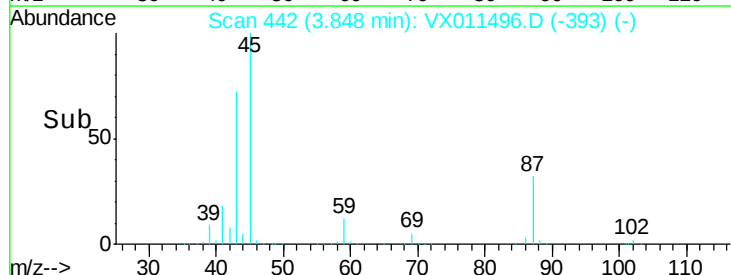
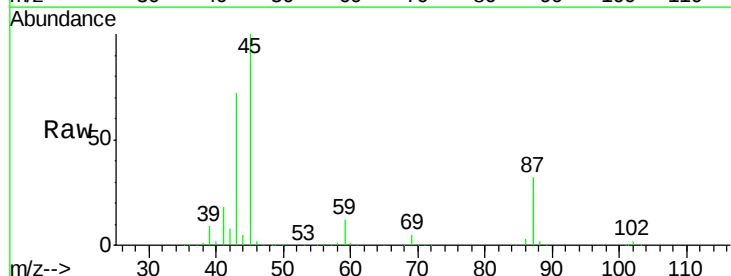
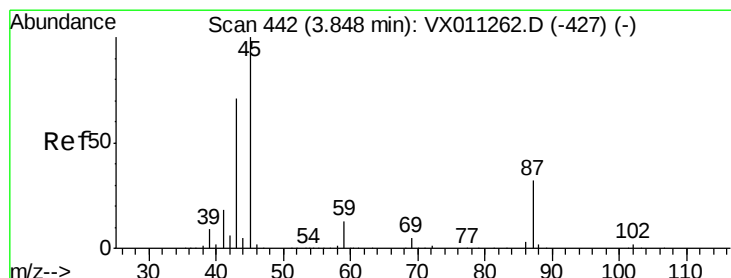
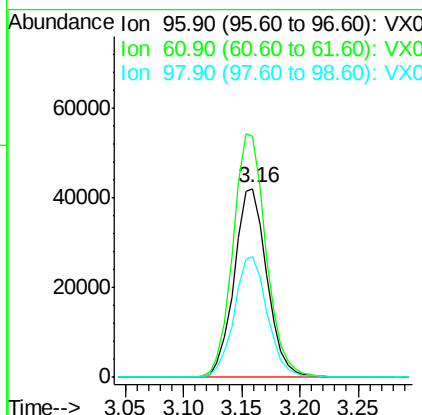
#21
trans-1,2-Dichloroethene
Concen: 58.903 ug/l
RT: 3.16 min Scan# 329
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.1	92.8	139.2
98	63.6	51.2	76.8

Instrument :
MSVOA_X
ClientSampleId :
Z3-0693MSD

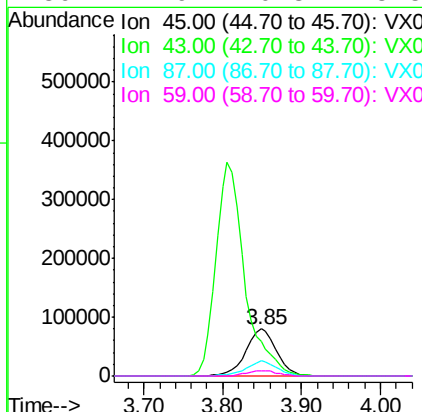
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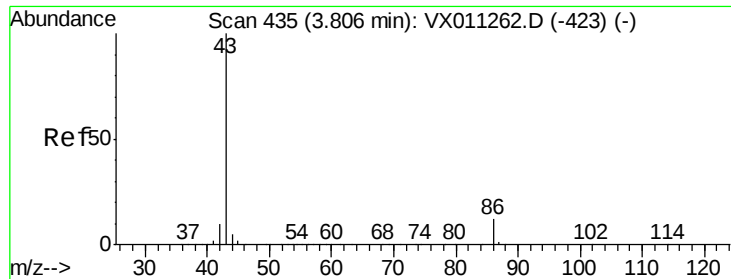
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#22
Diisopropyl ether
Concen: 55.563 ug/l
RT: 3.85 min Scan# 442
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.7	56.8	85.2
87	31.5	25.8	38.6
59	11.9	10.3	15.5





#23

Vinyl Acetate

Concen: 287.565 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-0693MSD

Tot Ion: 43 Resp: 929026

Ion Ratio Lower Upper

43 100

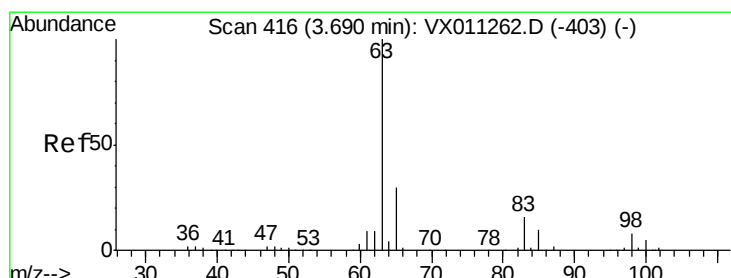
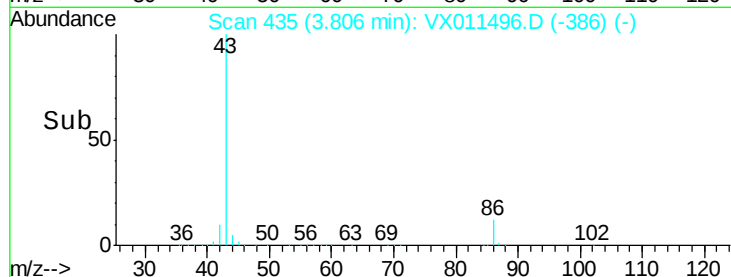
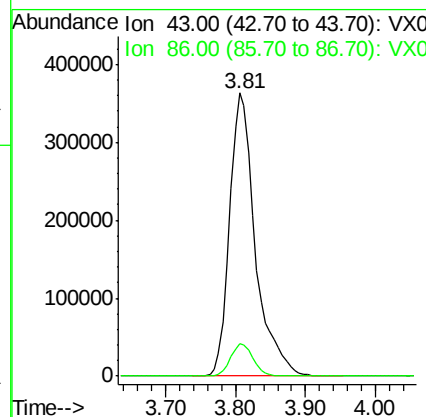
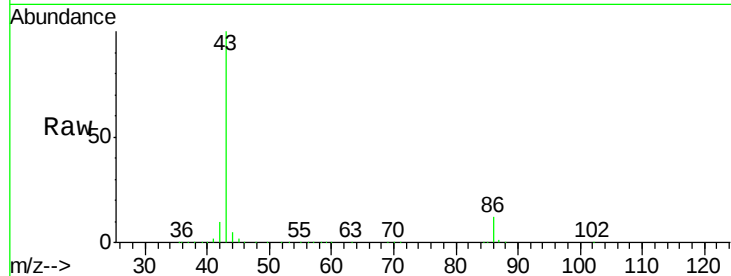
86 11.5 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 53.568 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

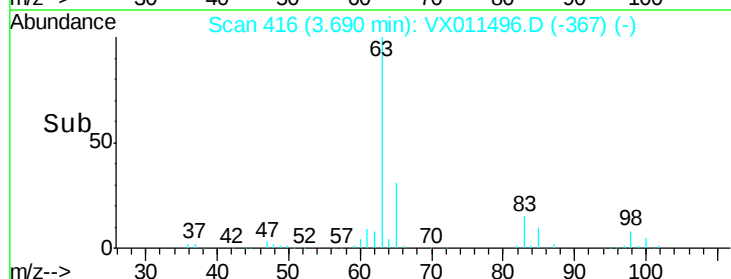
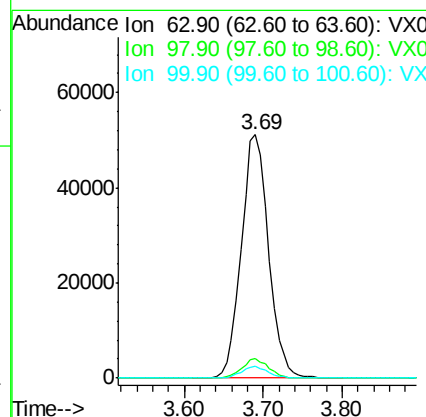
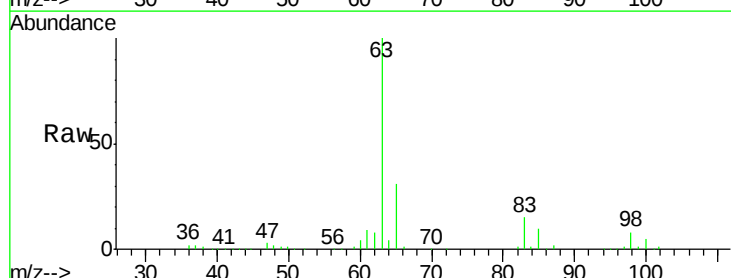
Tgt Ion: 63 Resp: 123035

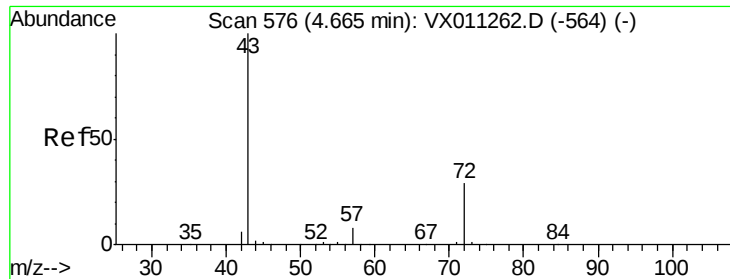
Ion Ratio Lower Upper

63 100

98 8.1 3.9 11.5

100 5.2 2.7 8.1





#25

2-Butanone

Concen: 278.534 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampled :

Z3-0693MSD

Tot Ion: 43 Resp: 277501

Ion Ratio Lower Upper

43 100

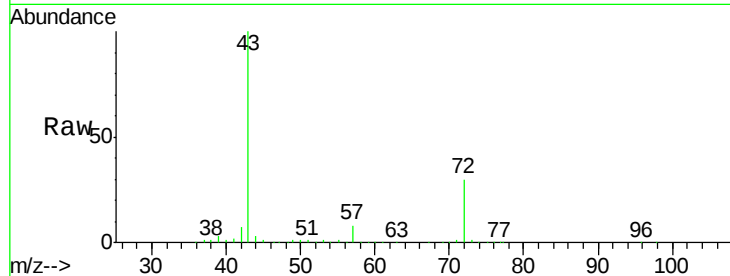
72 29.6 23.2 34.8

Manual Integrations

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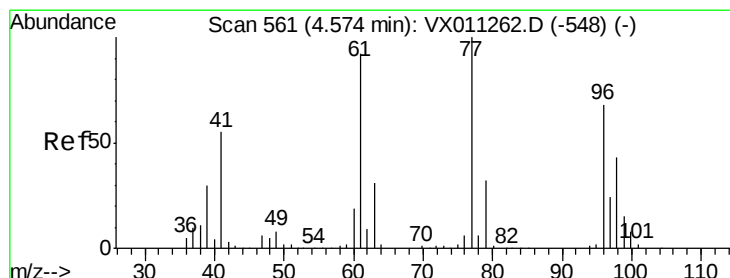
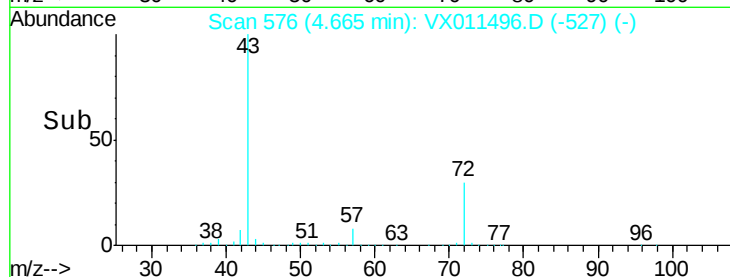
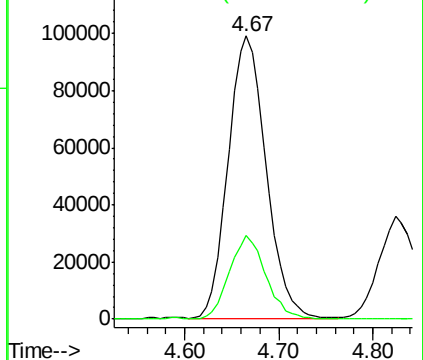
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 44.761 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX011496.D

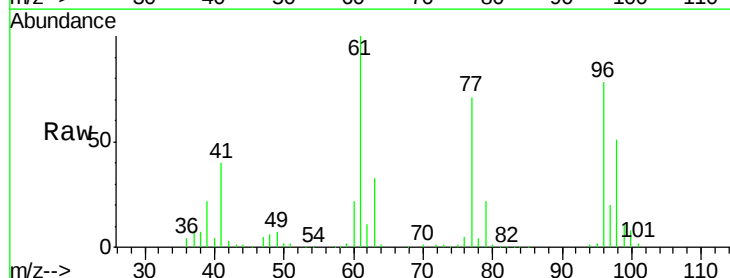
Acq: 12 Aug 2019 20:09

Tgt Ion: 77 Resp: 79919

Ion Ratio Lower Upper

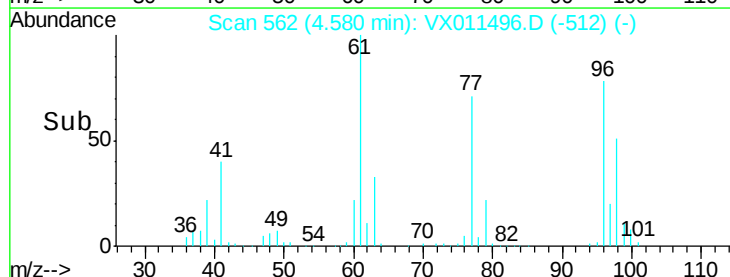
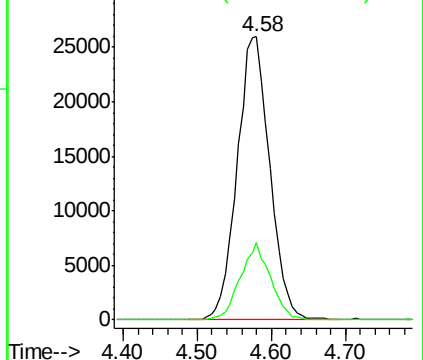
77 100

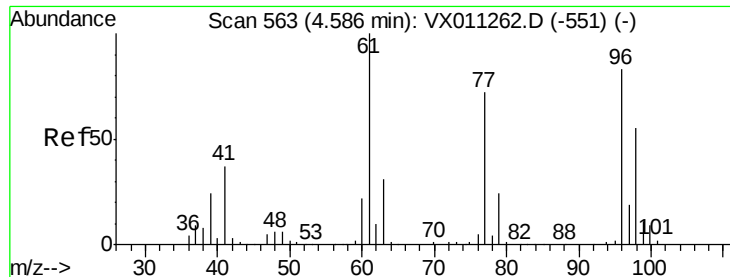
97 25.0 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

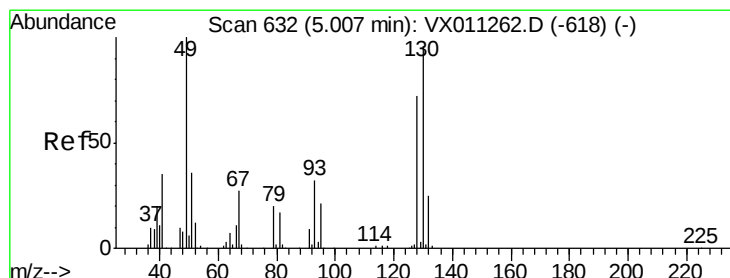
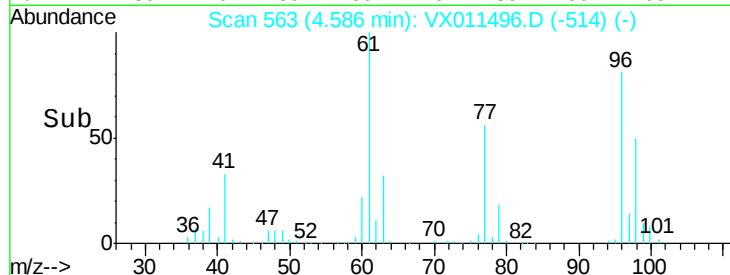
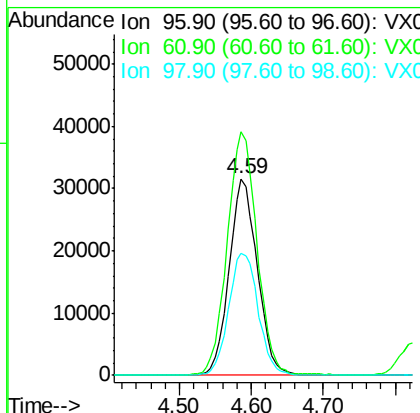
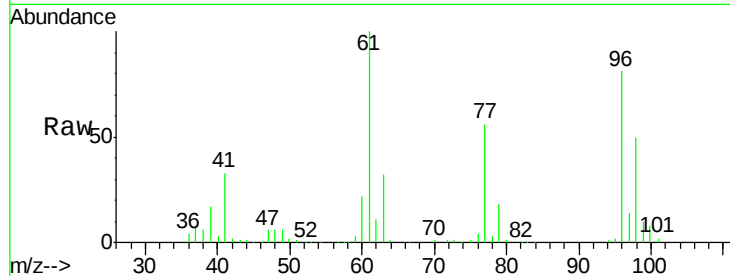
cis-1,2-Dichloroethene
Concen: 53.167 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampled :
Z3-0693MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	130.6	0.0	260.2	
98	64.9	0.0	133.2	

Manual Integrations
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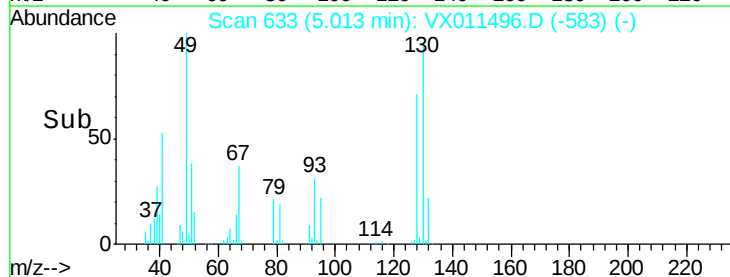
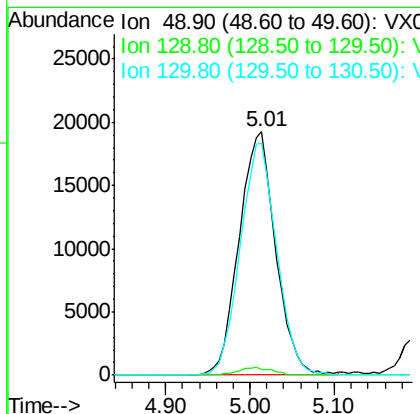
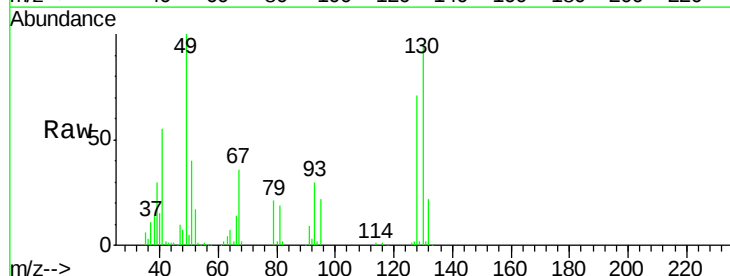
MMDadoda
8/14/2019 9:18:11 AM

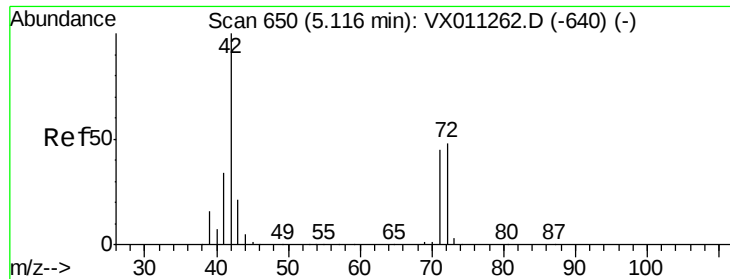


#28

Bromochloromethane
Concen: 54.106 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.01 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.8	0.0	5.8	
130	95.0	77.9	116.9	





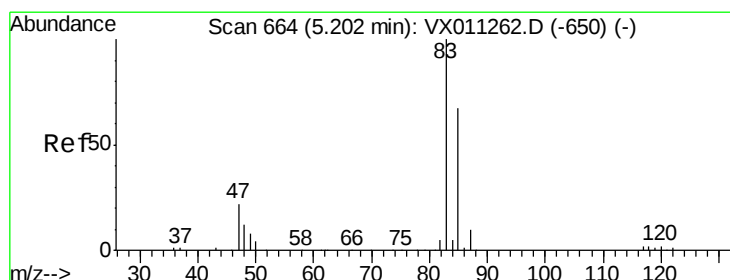
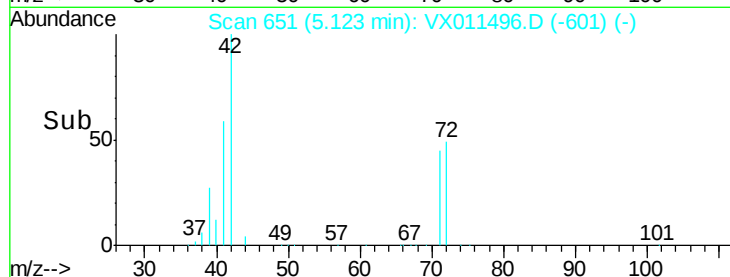
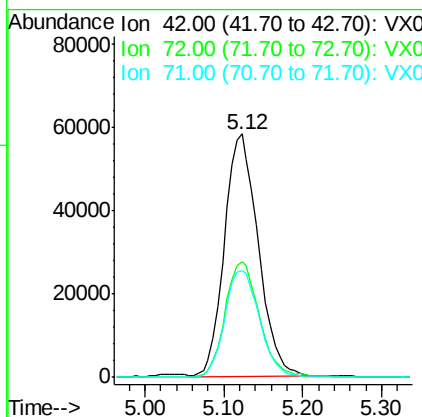
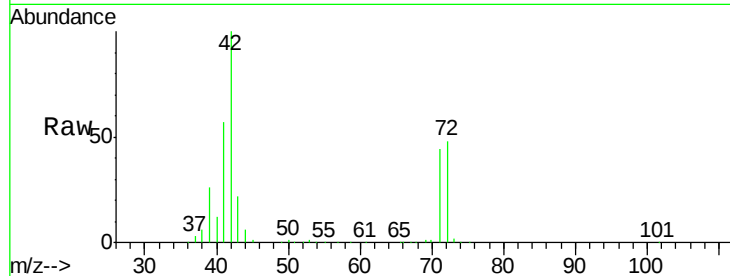
#29
Tetrahydrofuran
Concen: 285.456 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
Z3-0693MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.7	39.9	59.9
71	45.3	36.9	55.3

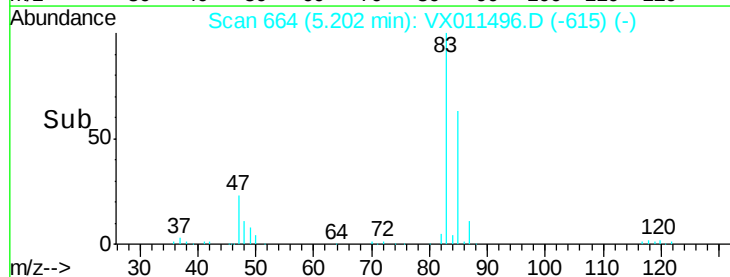
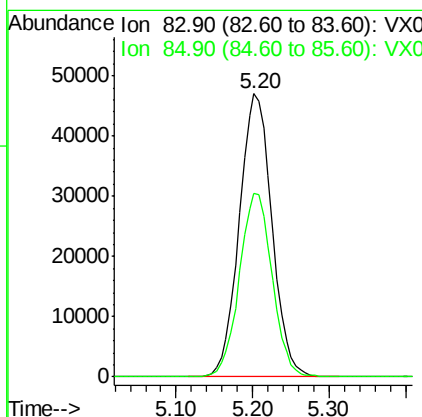
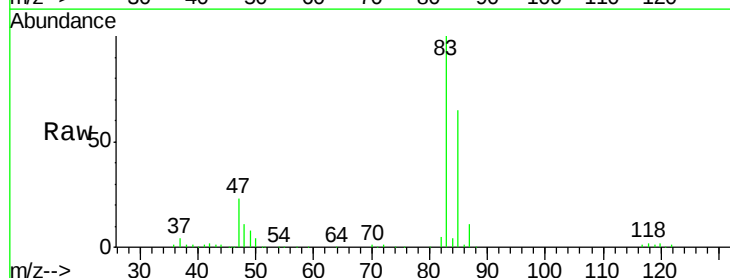
Manual Integrations
APPROVED

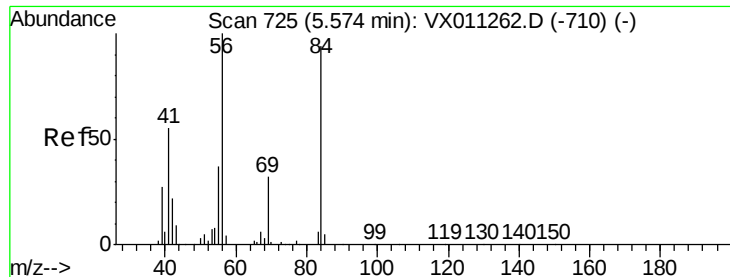
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#30
Chloroform
Concen: 55.891 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.4	80.0





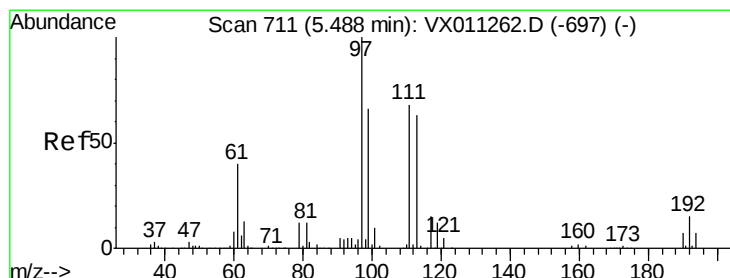
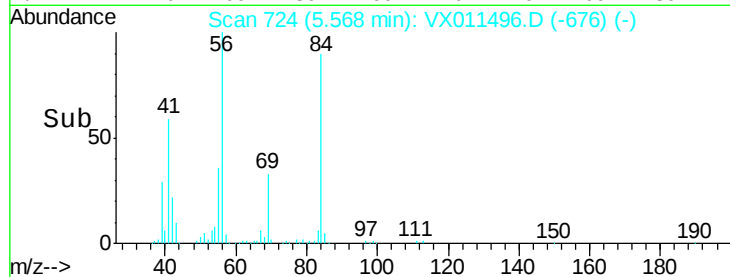
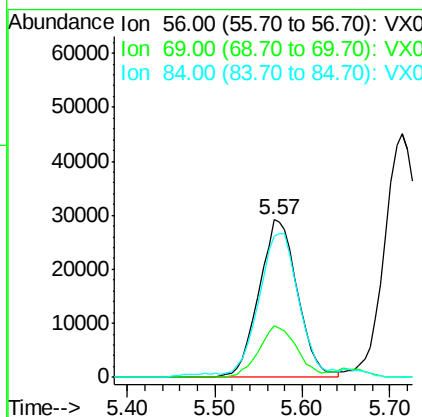
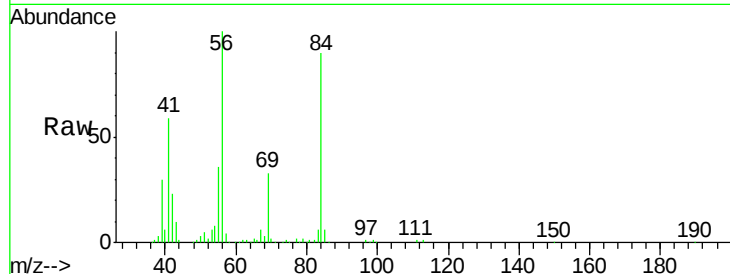
#31
Cyclohexane
Concen: 47.465 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
Z3-0693MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.5	38.3
84	87.9	75.0	112.4

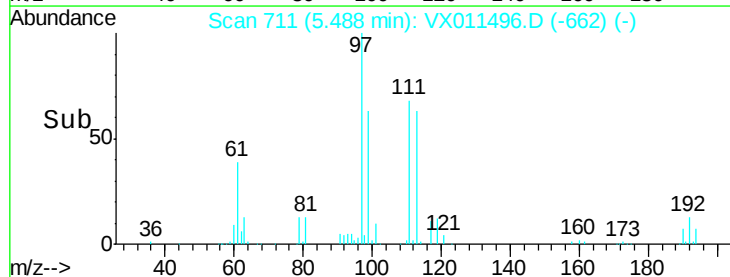
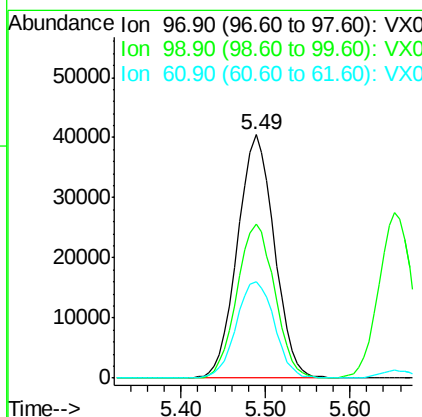
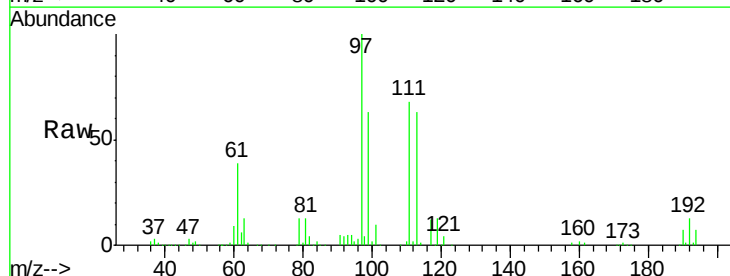
Manual Integrations
APPROVED

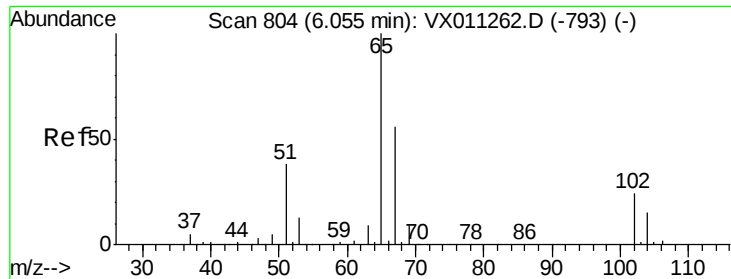
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#32
1,1,1-Trichloroethane
Concen: 56.143 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	41.2	32.3	48.5





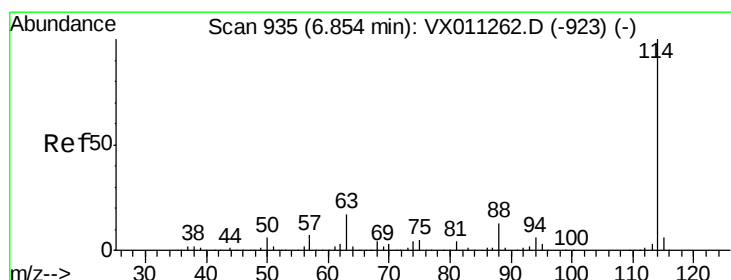
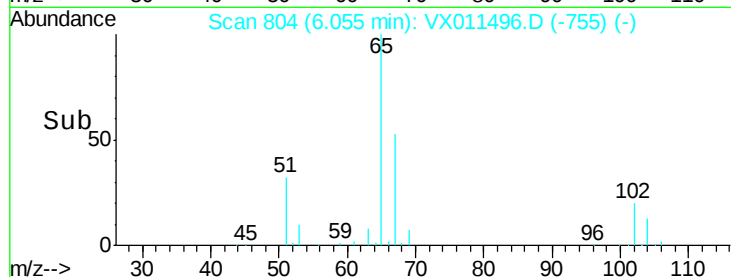
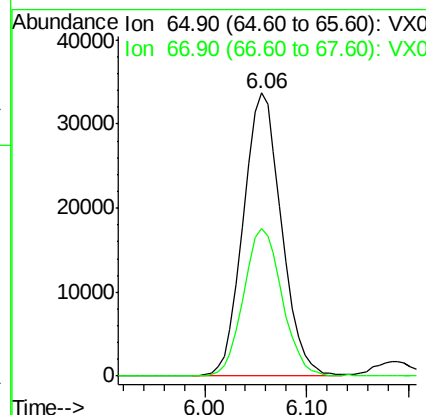
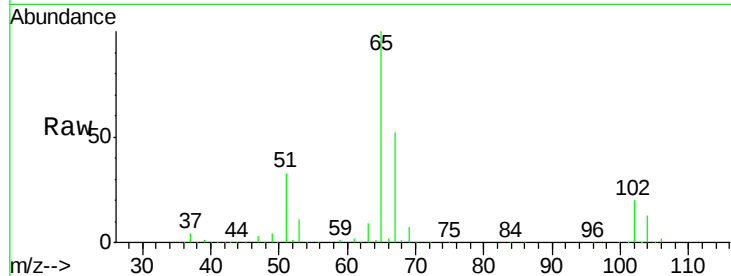
#33
 1,2-Dichloroethane-d4
 Concen: 59.753 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011496.D
 Acq: 12 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0693MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	87924		
67	52.4	0.0	110.6	

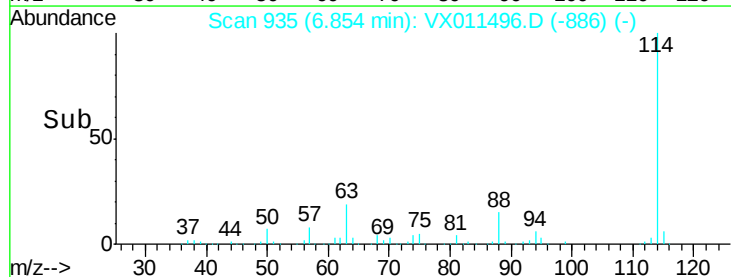
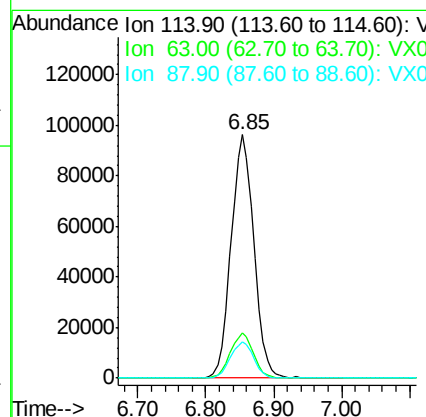
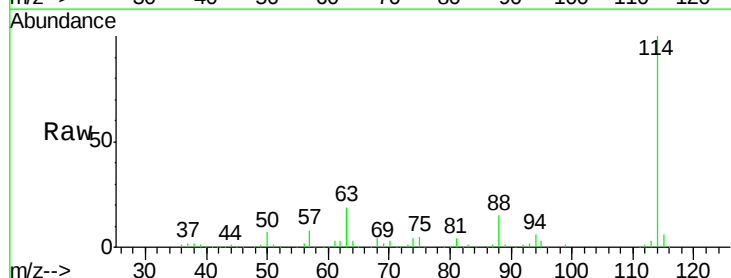
Manual Integrations
 APPROVED

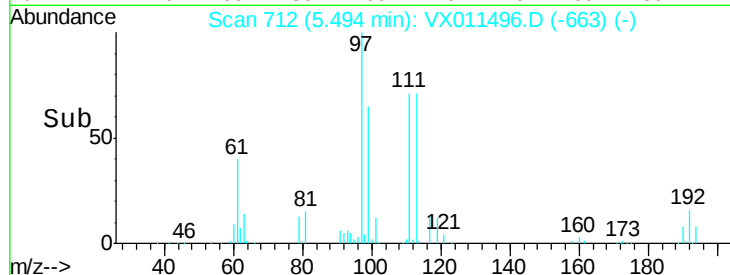
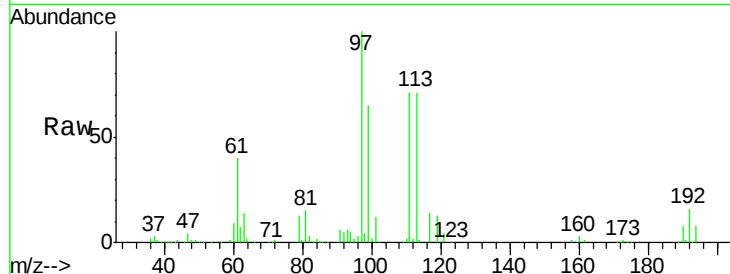
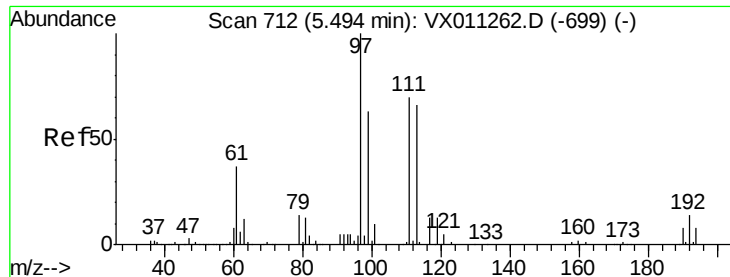
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 8/14/2019 9:18:11 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011496.D
 Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	222771		
63	18.5	0.0	34.0	
88	14.7	0.0	26.4	





#35

Dibromofluoromethane

Concen: 52.505 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Tot Ion:	113	Resp:	76364
Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.9	122.9
192	21.9	17.8	26.8

Instrument :

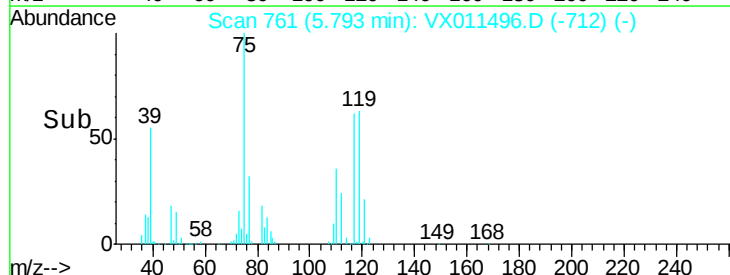
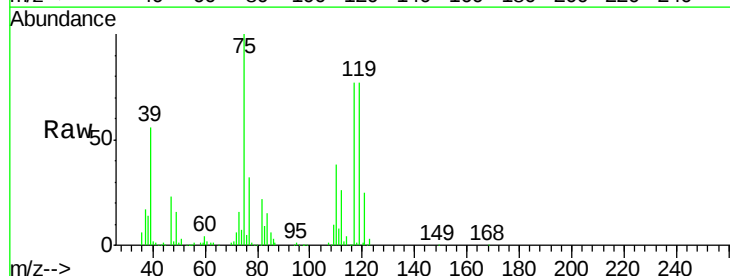
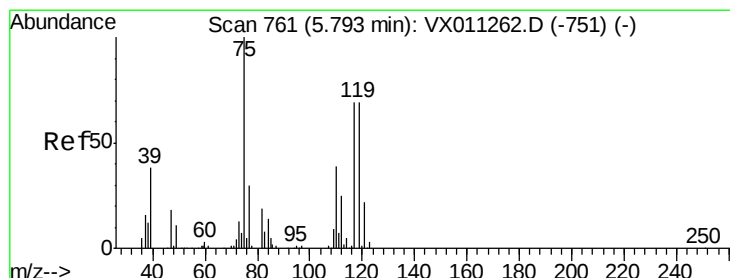
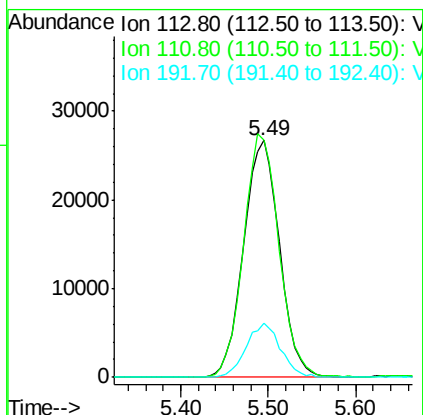
MSVOA_X

ClientSampleId :

Z3-0693MSD

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.418 ug/l

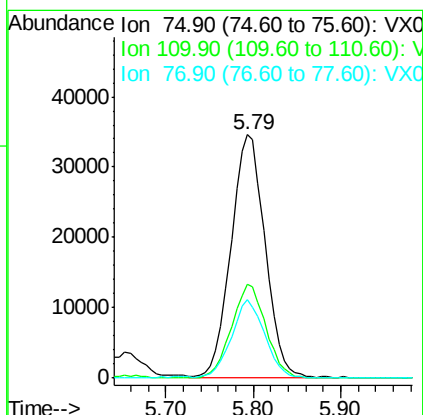
RT: 5.79 min Scan# 761

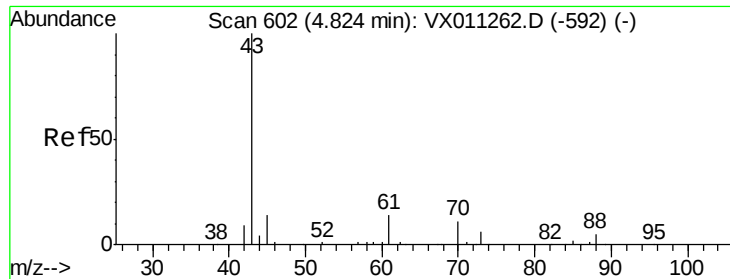
Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Tgt Ion:	75	Resp:	94172
Ion	Ratio	Lower	Upper
75	100		
110	38.6	20.0	59.9
77	31.6	24.8	37.2





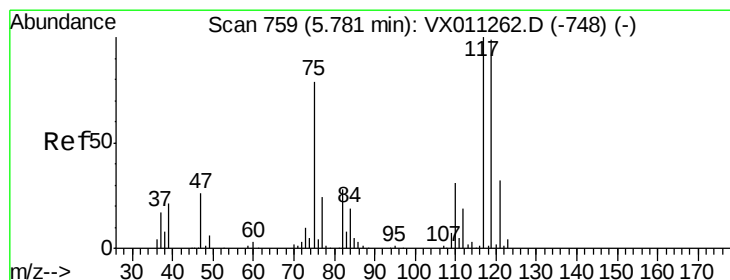
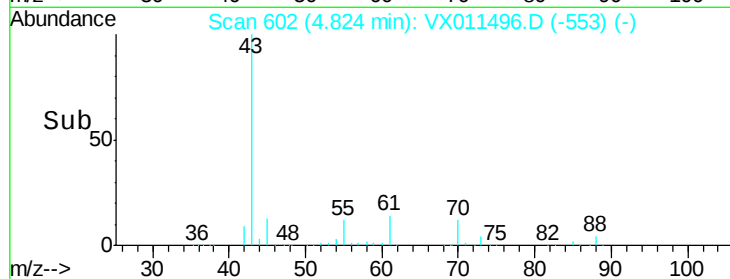
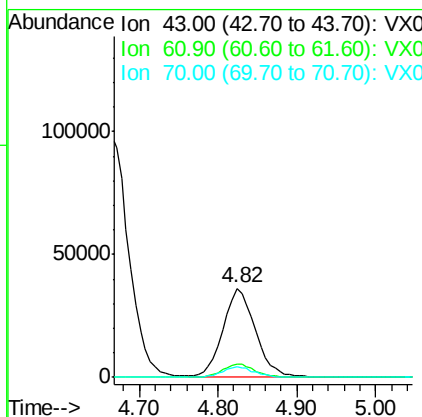
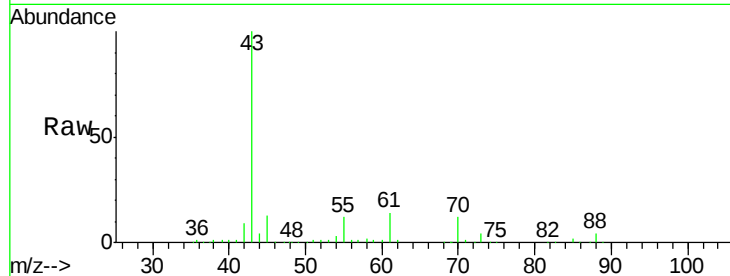
#37
Ethyl Acetate
Concen: 52.455 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
Z3-0693MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.6	18.8
70	11.8	9.1	13.7

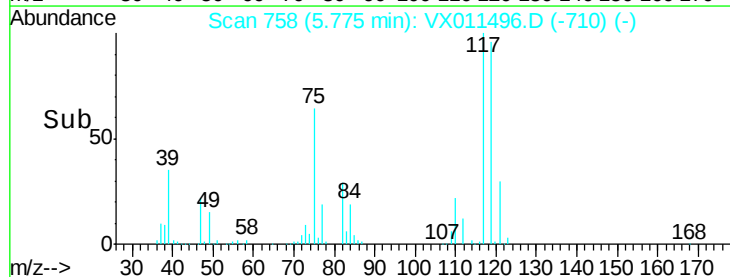
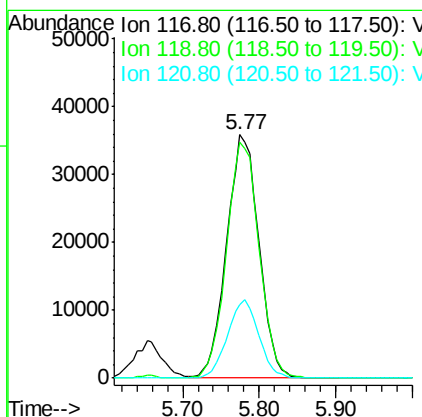
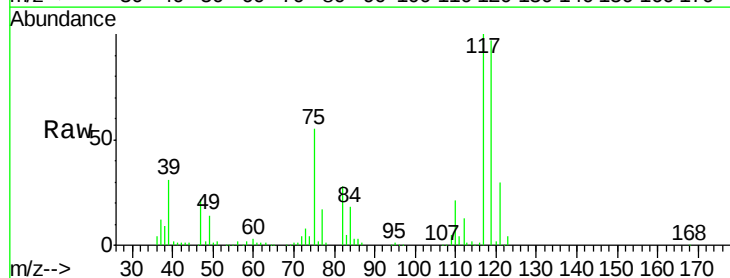
Manual Integrations
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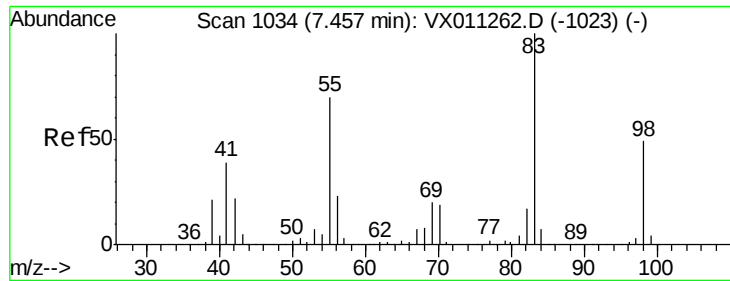
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#38
Carbon Tetrachloride
Concen: 53.629 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	79.0	118.4
121	30.2	25.9	38.9





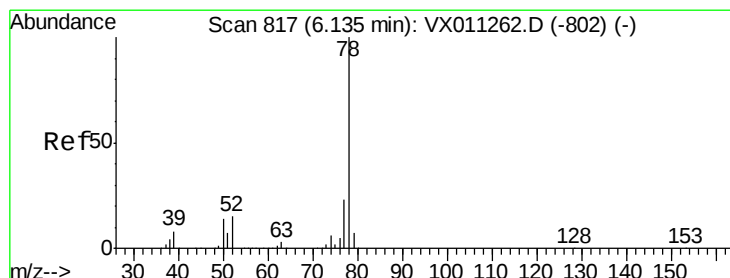
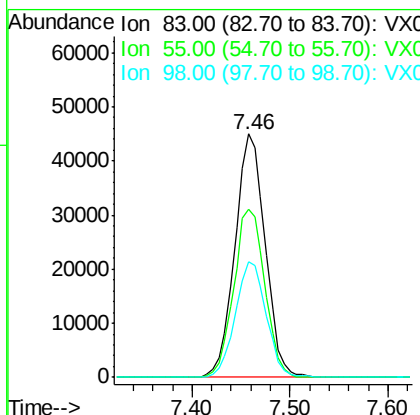
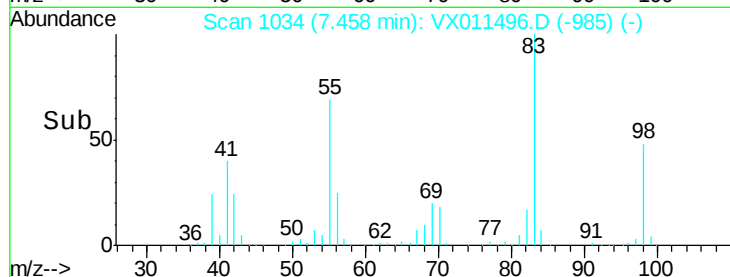
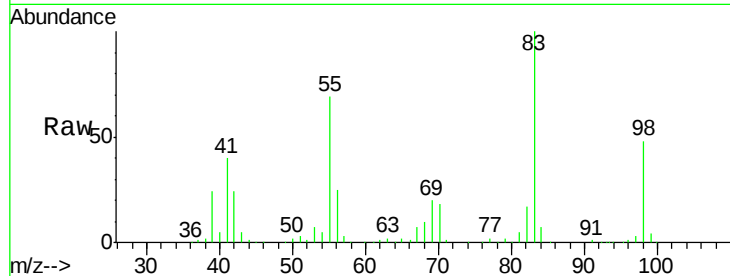
#39
Methvlcvclohexane
Concen: 41.719 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
Z3-0693MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	68.8	56.1	84.1	
98	47.6	39.0	58.4	

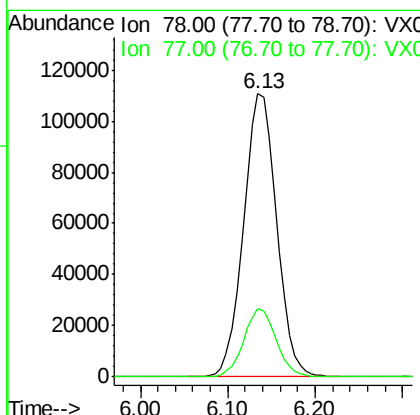
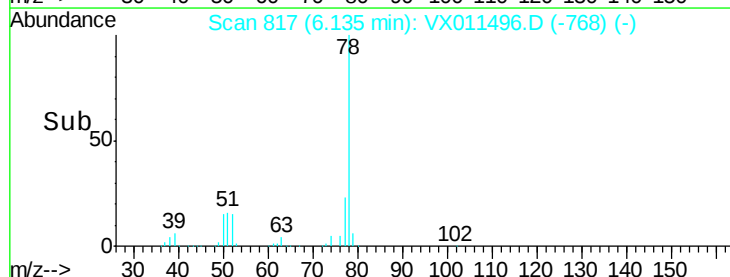
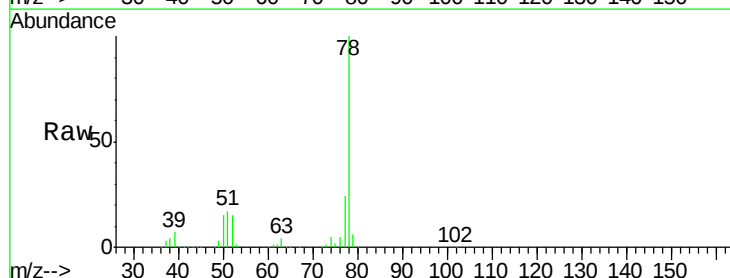
Manual Integrations
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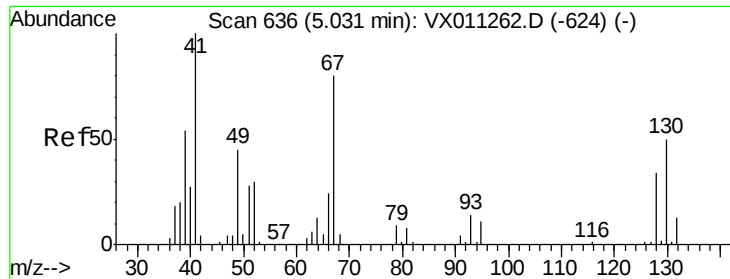
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#40
Benzene
Concen: 50.049 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.3	18.2	27.2	





#41

Methacrylonitrile

Concen: 53.622 ug/l

RT: 5.04 min Scan# 637

Delta R.T. 0.01 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

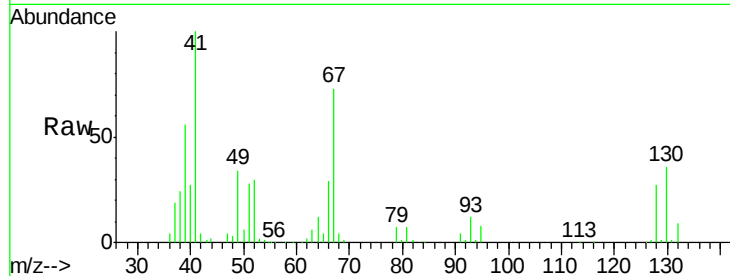
Z3-0693MSD

Tot Ion: 41 Resp: 57133

Ion	Ratio	Lower	Upper
41	100		
39	56.6	43.0	64.6
67	79.2	65.1	97.7
52	31.6	24.8	37.2

Manual Integrations
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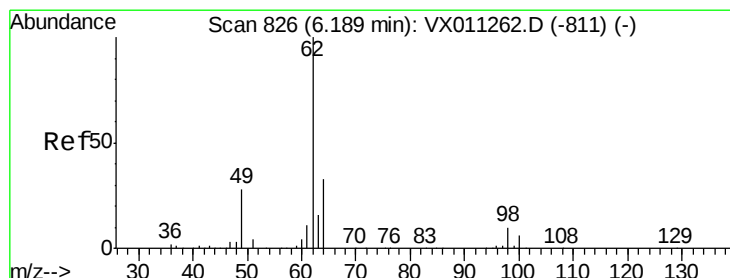
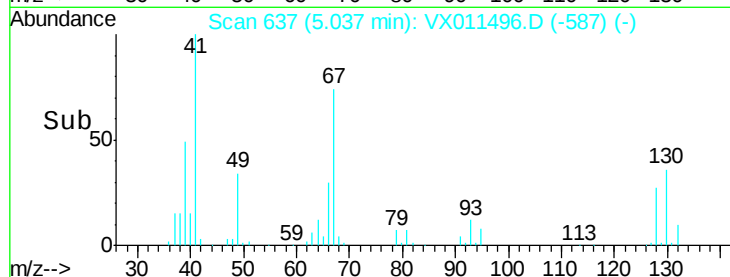
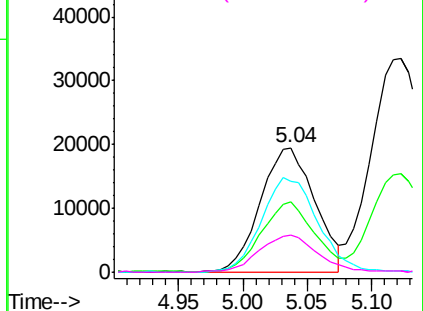
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 56.059 ug/l

RT: 6.19 min Scan# 826

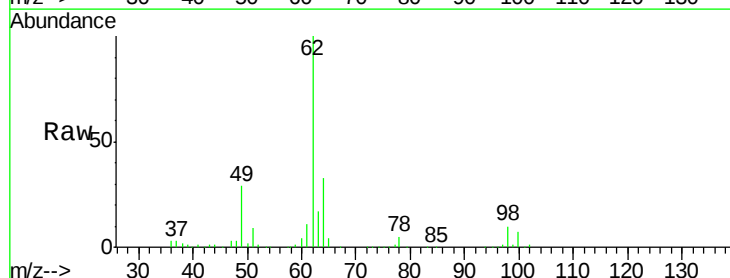
Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Tgt Ion: 62 Resp: 110023

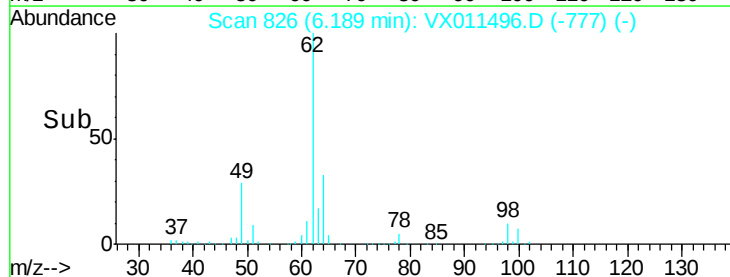
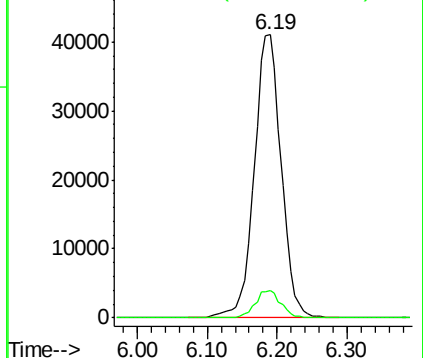
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.6

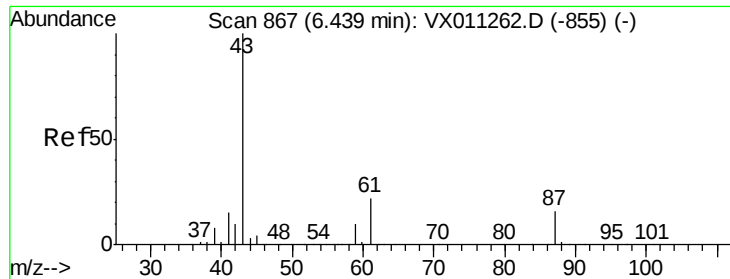


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

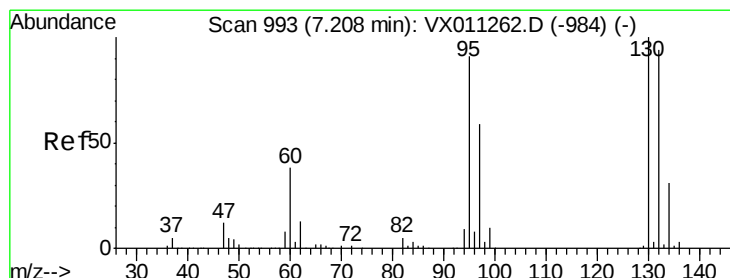
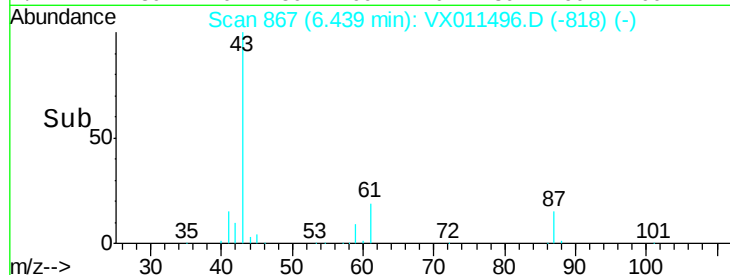
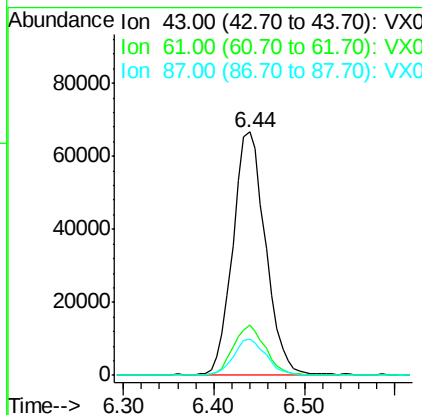
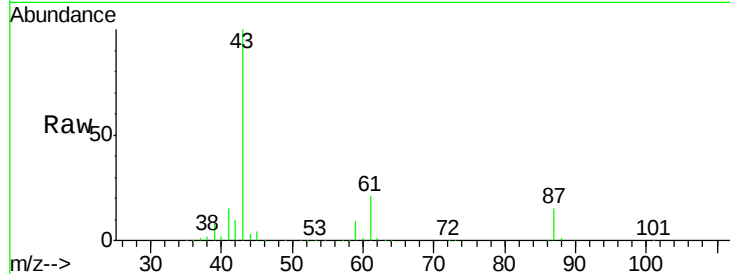
Isopropyl Acetate
 Concen: 53.347 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011496.D
 Acq: 12 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0693MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.5	24.7
87	14.9	12.1	18.1

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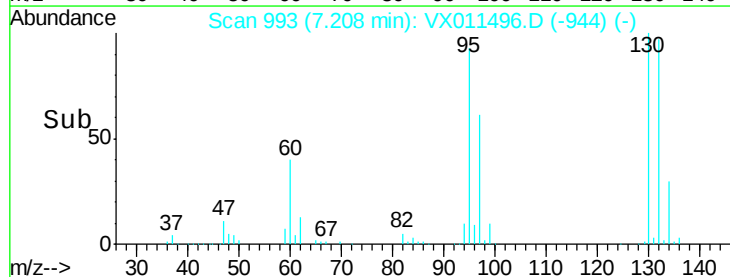
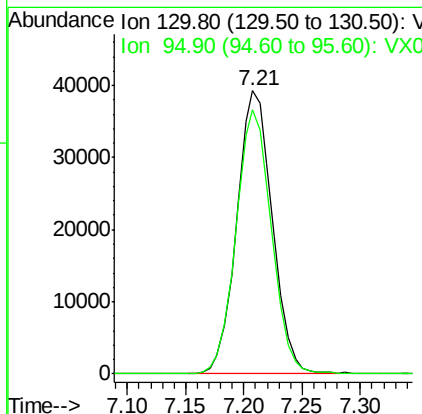
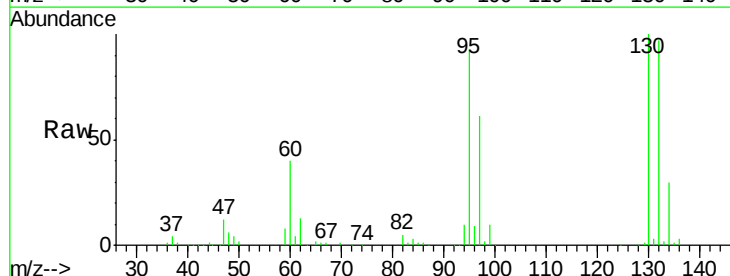
MMDadoda
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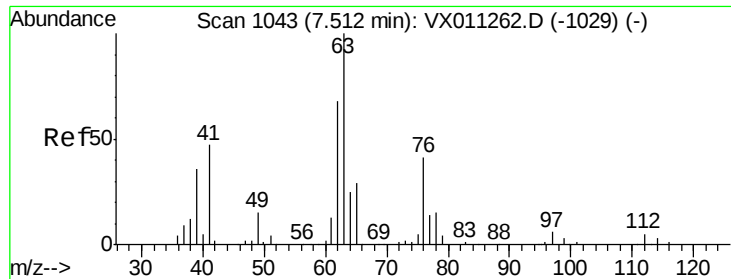


#44

Trichloroethene
 Concen: 47.480 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011496.D
 Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	182.6





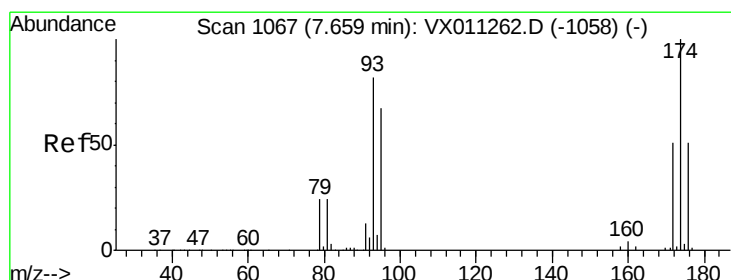
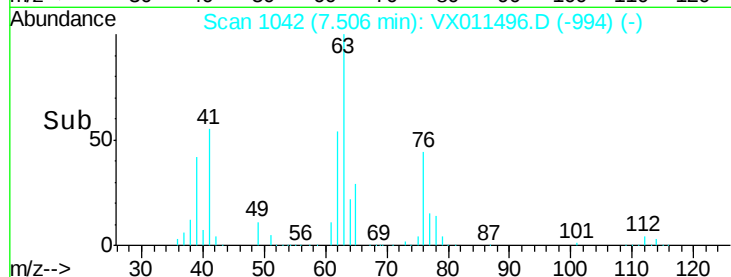
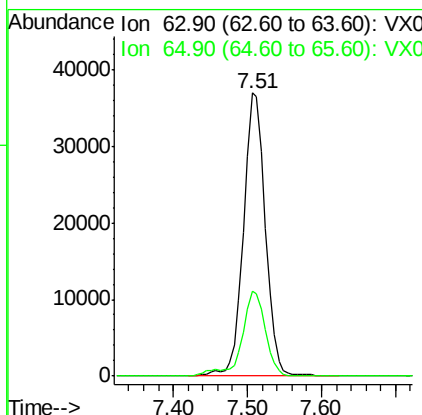
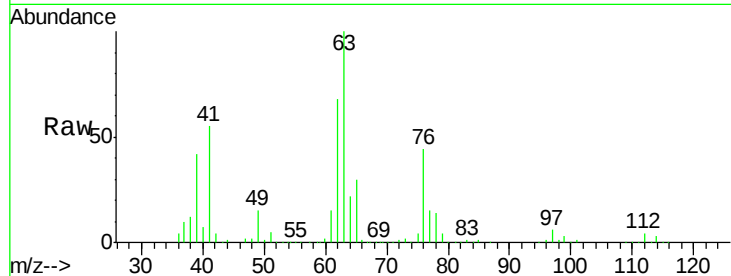
#45
 1,2-Dichloropropane
 Concen: 50.717 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011496.D
 Acq: 12 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0693MSD

Tot Ion: 63 Resp: 76235
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.3 34.9

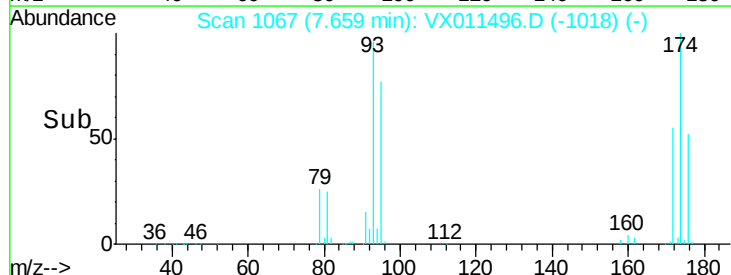
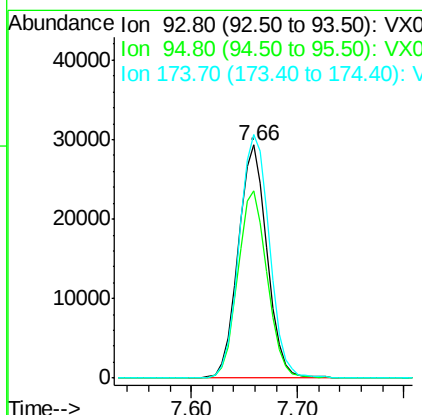
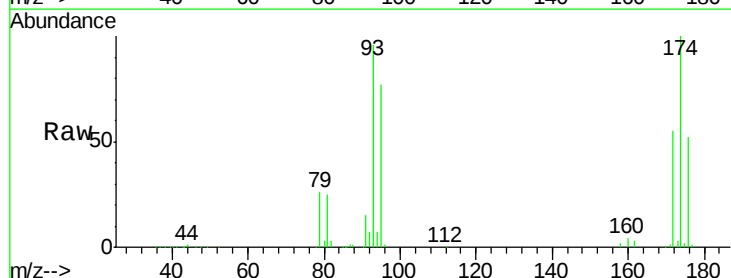
Manual Integrations
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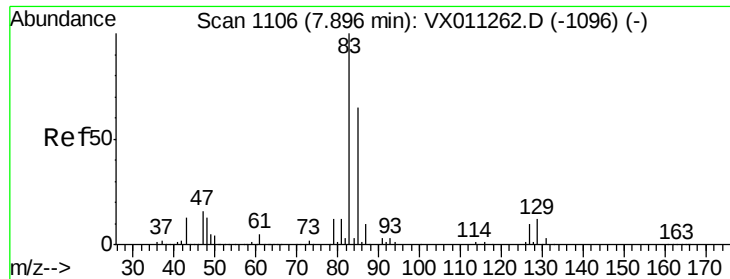
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 8/14/2019 9:18:11 AM



#46
 Dibromomethane
 Concen: 50.973 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011496.D
 Acq: 12 Aug 2019 20:09

Tgt Ion: 93 Resp: 55933
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.4 99.6
 174 109.5 93.4 140.2





#47

Bromodichloromethane

Concen: 56.067 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

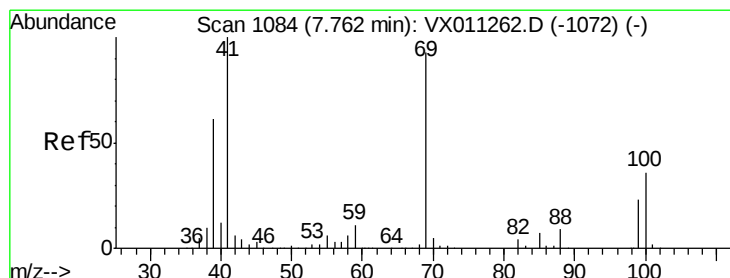
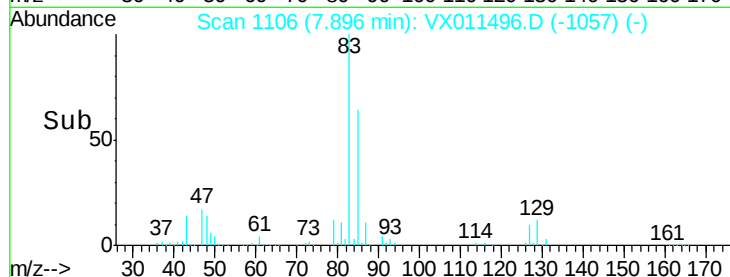
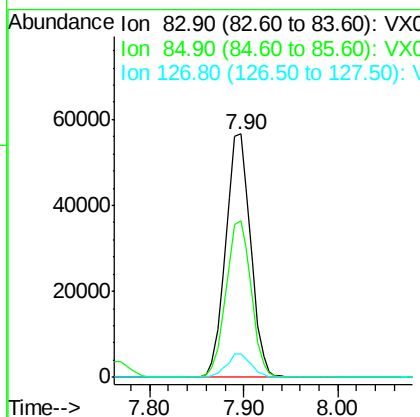
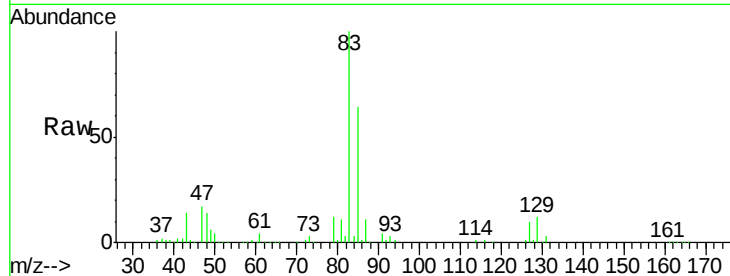
ClientSampleId :

Z3-0693MSD

Tot Ion:	83	Resp:	104164
Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.2
127	9.8	7.8	11.8

Manual Integrations
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8/14/2019 9:18:11 AM



#48

Methyl methacrylate

Concen: 56.329 ug/l

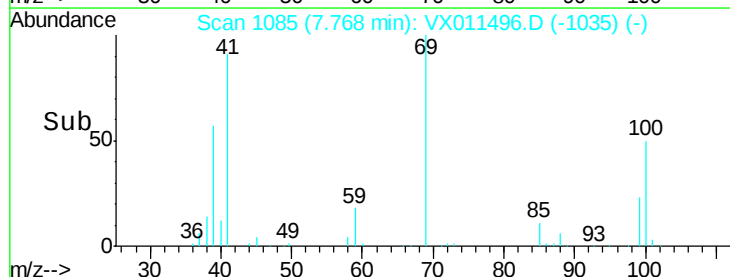
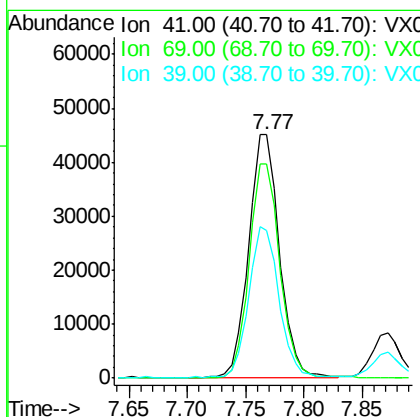
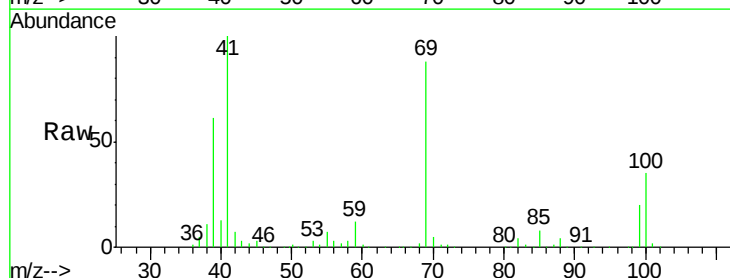
RT: 7.77 min Scan# 1085

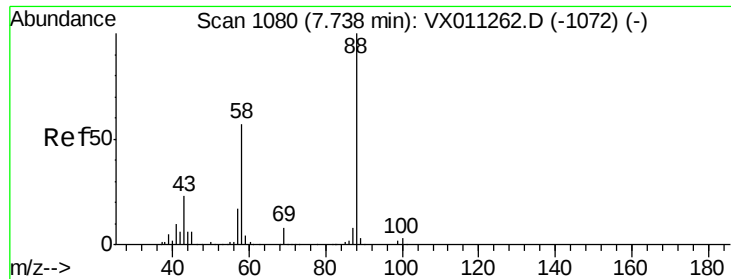
Delta R.T. 0.01 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Tgt Ion:	41	Resp:	82687
Ion	Ratio	Lower	Upper
41	100		
69	88.9	74.5	111.7
39	61.2	48.6	72.8





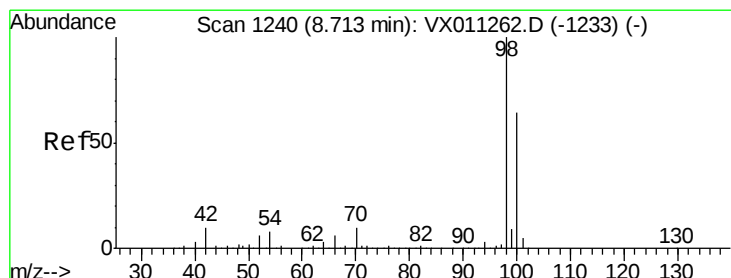
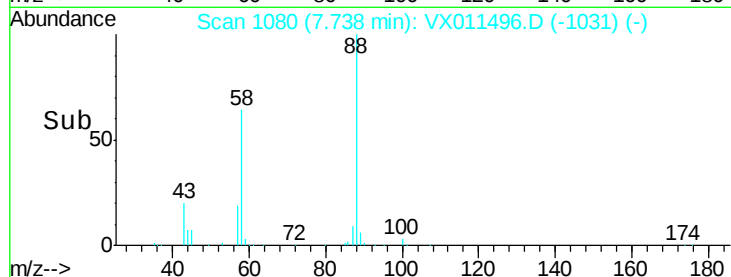
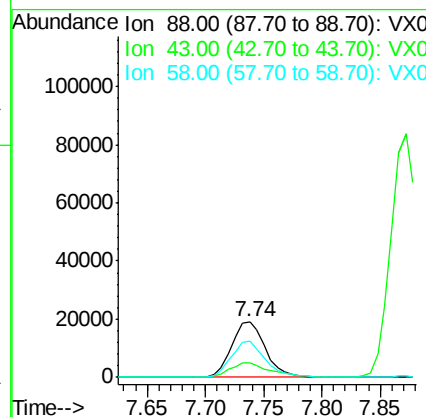
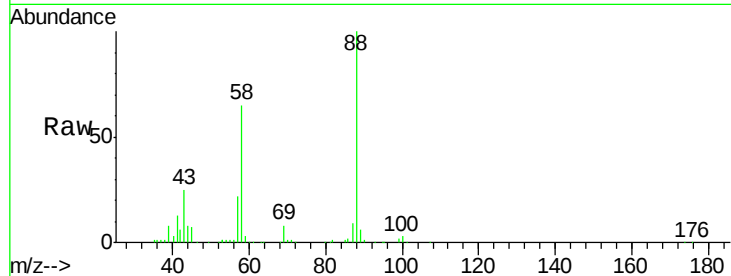
#49
1,4-Dioxane
Concen: 908.584 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
Z3-0693MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	22.2	33.2
58	65.2	47.8	71.8

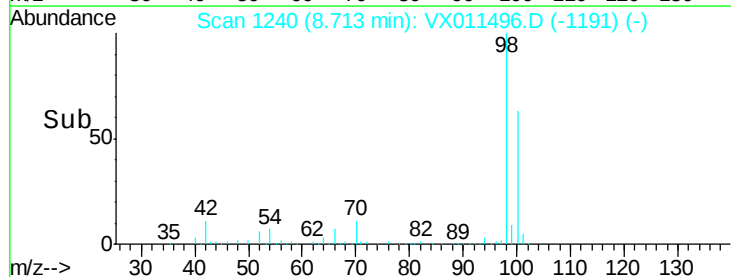
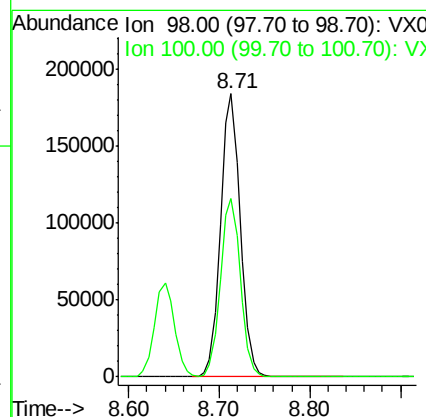
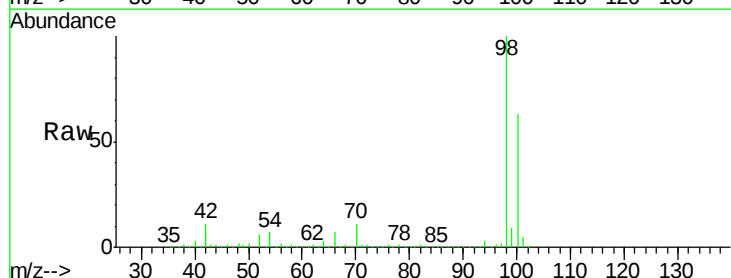
Manual Integrations
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#50
Toluene-d8
Concen: 50.974 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 283.651 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-0693MSD

Tot Ion: 43 Resp: 570987

Ion Ratio Lower Upper

43 100

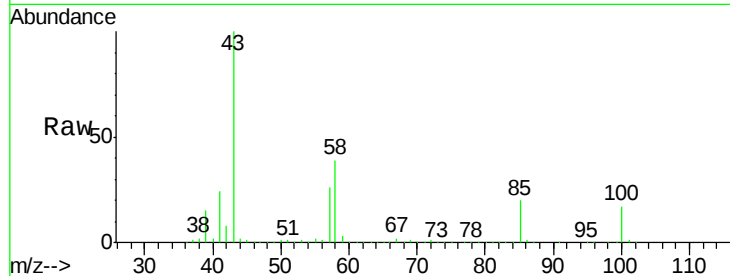
58 39.5 32.3 48.5

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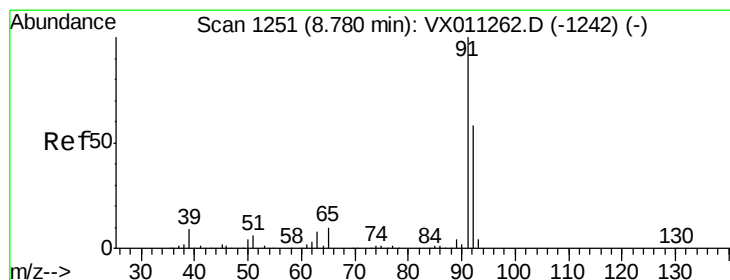
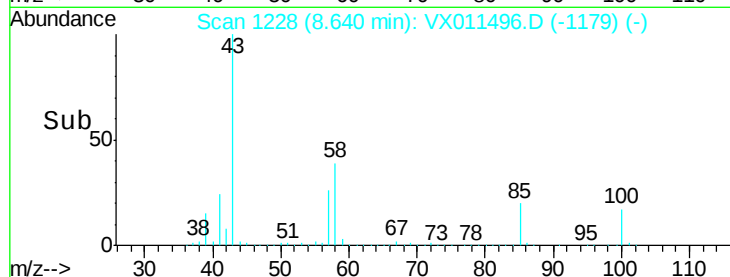
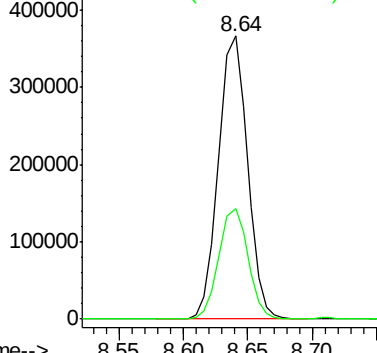
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.395 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011496.D

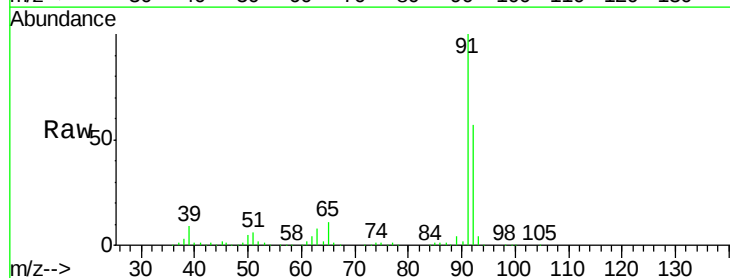
Acq: 12 Aug 2019 20:09

Tgt Ion: 92 Resp: 189550

Ion Ratio Lower Upper

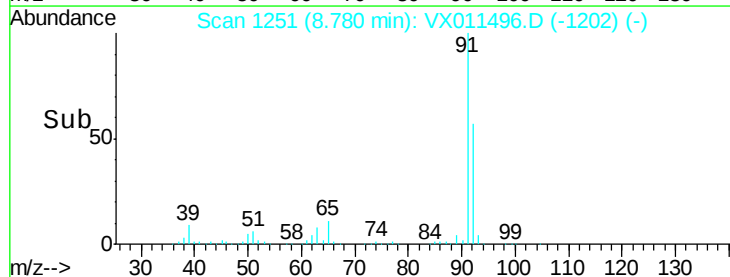
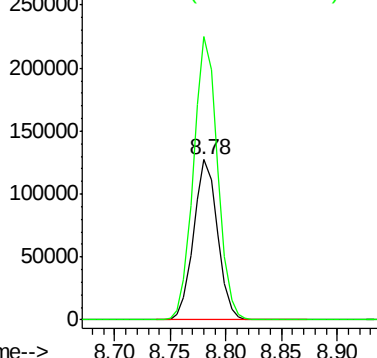
92 100

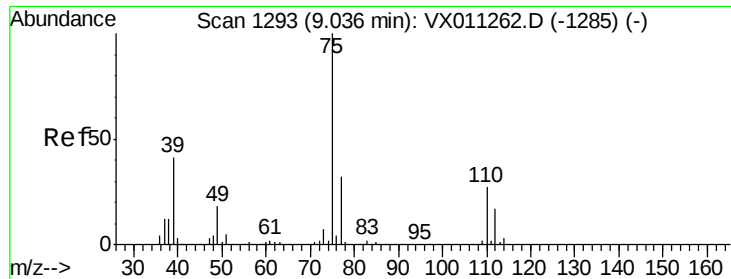
91 177.5 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





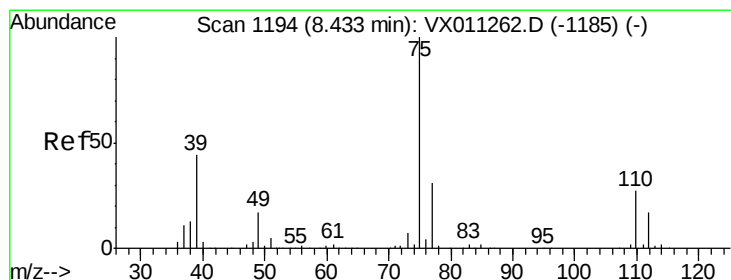
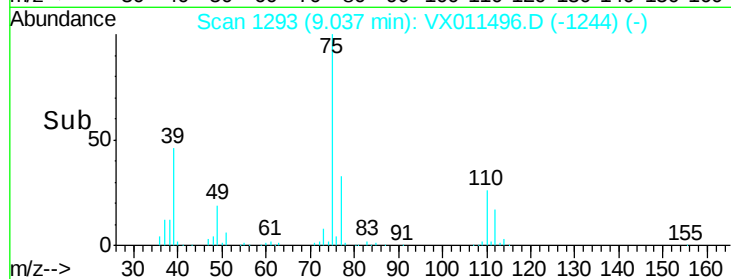
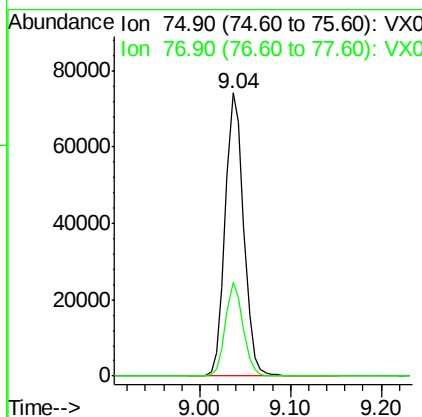
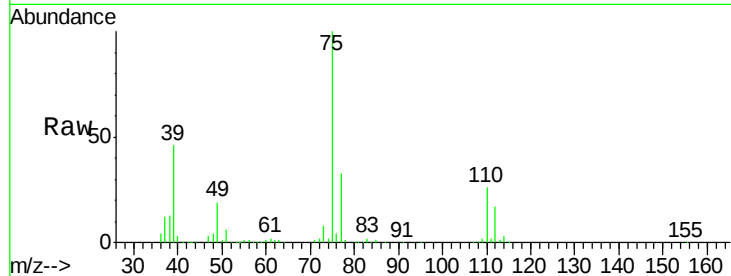
#53
t-1,3-Dichloropropene
Concen: 48.743 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
Z3-0693MSD

Tot Ion: 75 Resp: 105298
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.0

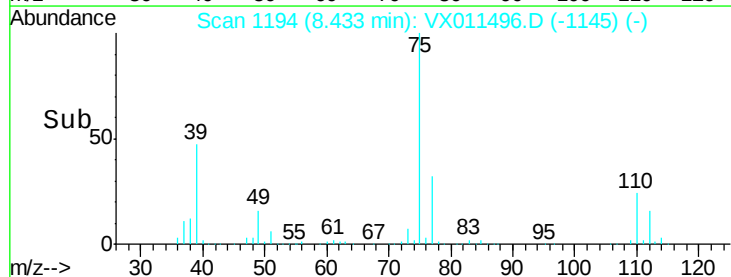
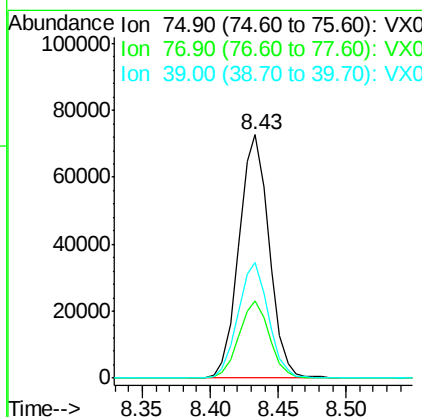
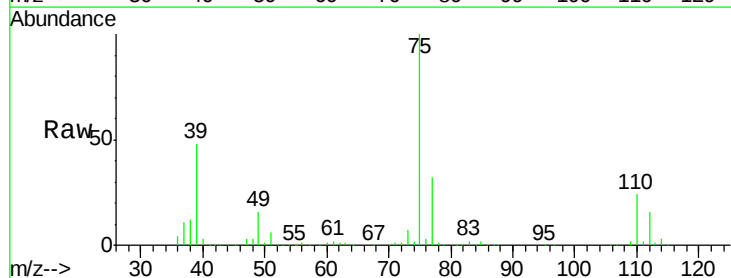
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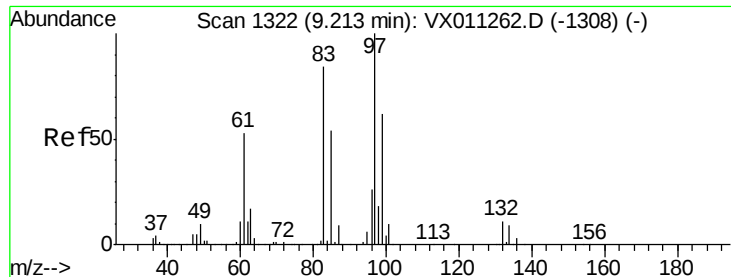
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8/14/2019 9:18:11 AM



#54
cis-1,3-Dichloropropene
Concen: 51.921 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Tgt Ion: 75 Resp: 112678
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6
39 47.5 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 53.382 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-0693MSD

Tot Ion: 97 Resp: 84225

Ion Ratio Lower Upper

97 100

83 85.0 67.6 101.4

85 54.4 43.4 65.0

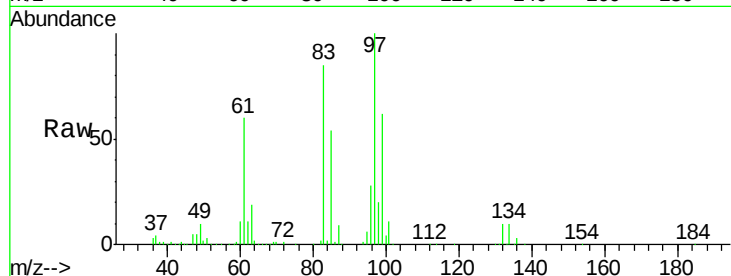
99 62.4 49.6 74.4

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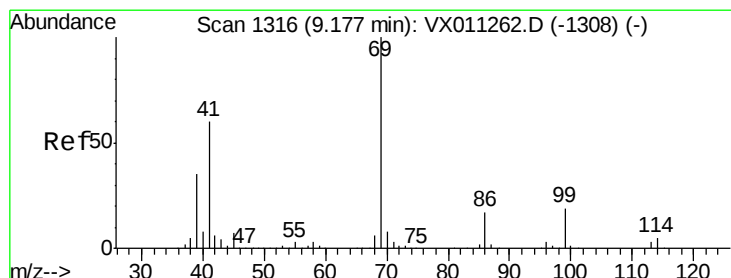
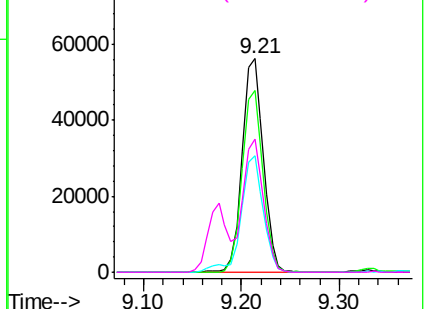
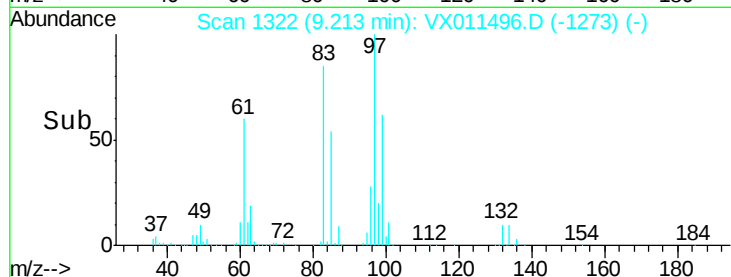


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 55.911 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

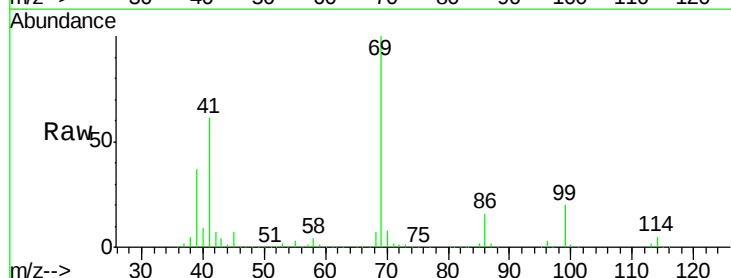
Tgt Ion: 69 Resp: 125713

Ion Ratio Lower Upper

69 100

41 62.8 48.6 73.0

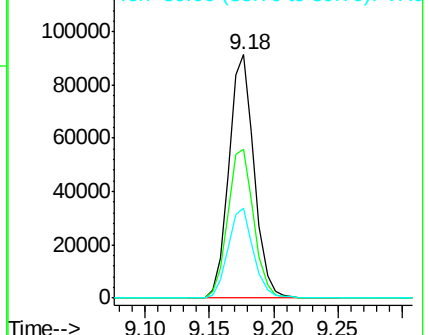
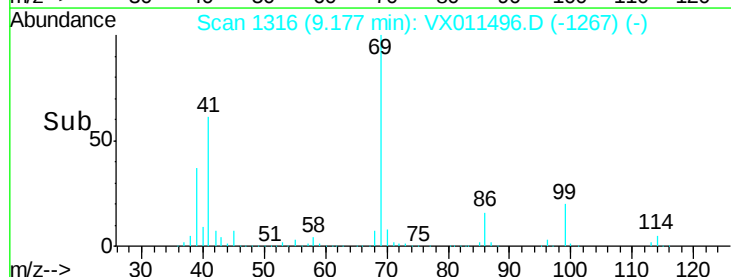
39 37.3 29.4 44.2

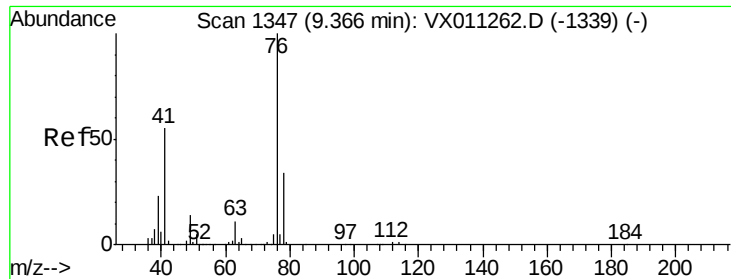


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 52.433 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-0693MSD

Tot Ion: 76 Resp: 130834

Ion Ratio Lower Upper

76 100

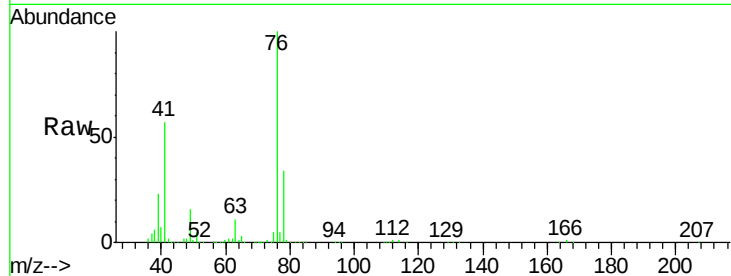
78 32.6 26.6 40.0

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

100000

80000

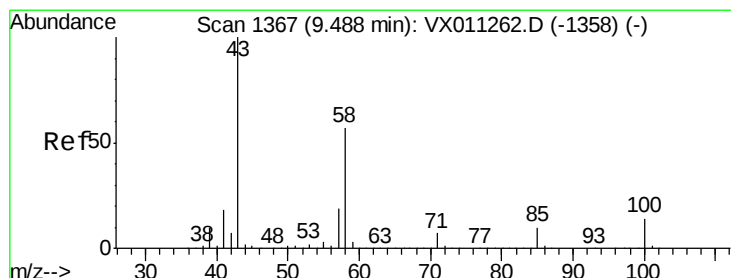
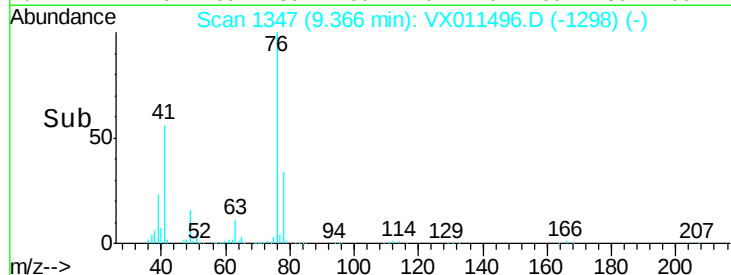
60000

40000

20000

0

Time-->



#59

2-Hexanone

Concen: 281.762 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VX011496.D

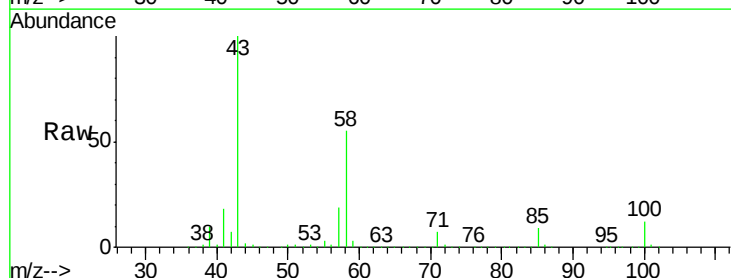
Acq: 12 Aug 2019 20:09

Tgt Ion: 43 Resp: 439321

Ion Ratio Lower Upper

43 100

58 54.9 28.2 84.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

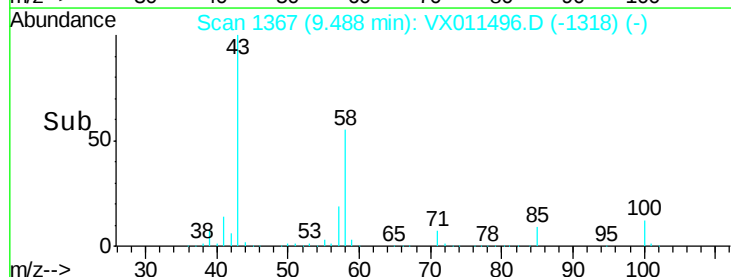
300000

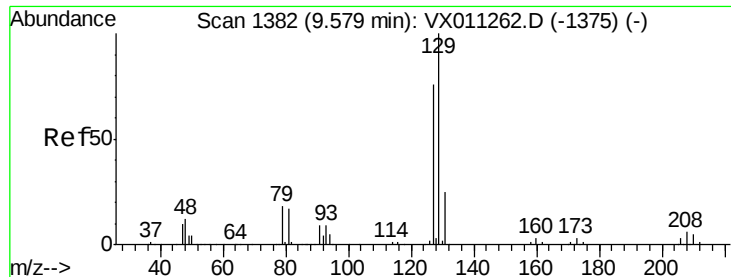
200000

100000

0

Time-->





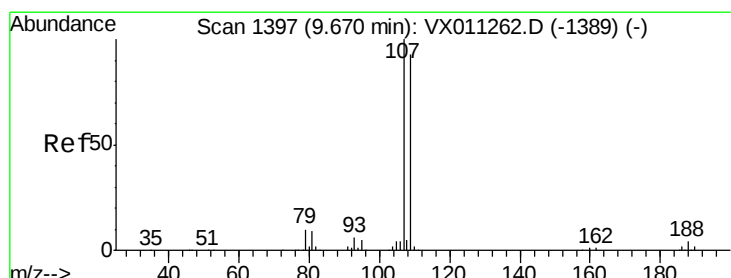
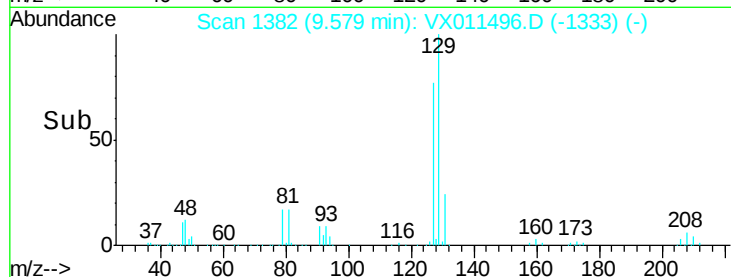
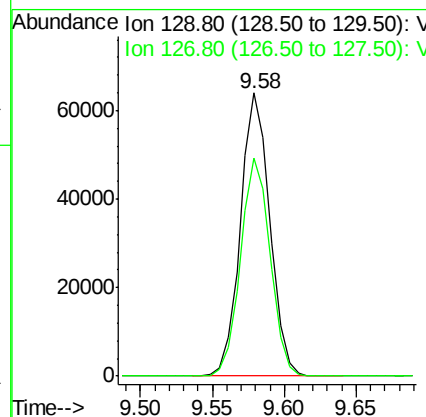
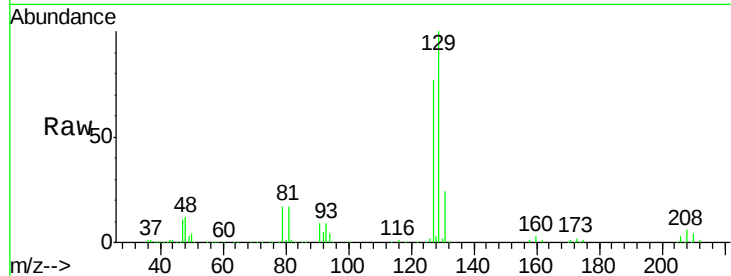
#60
Dibromochloromethane
Concen: 55.957 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
Z3-0693MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.2	117.6

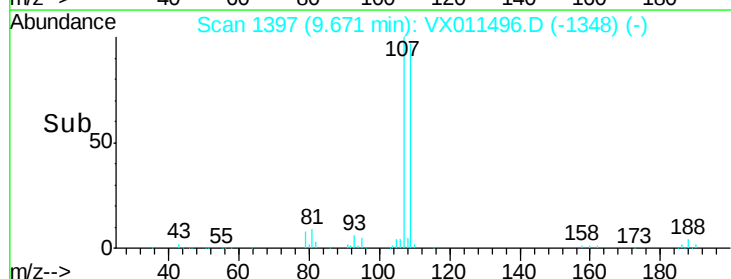
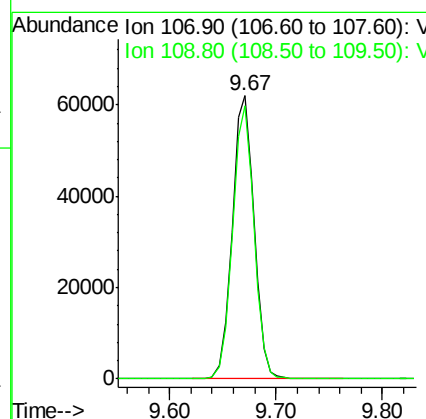
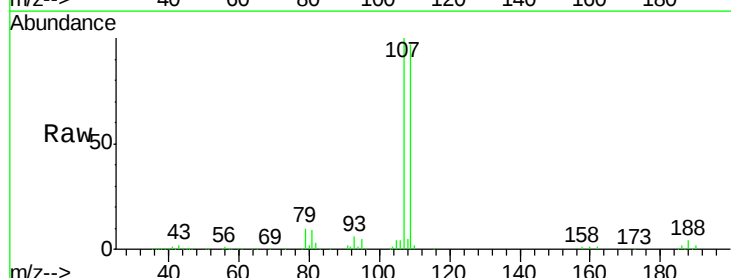
Manual Integrations
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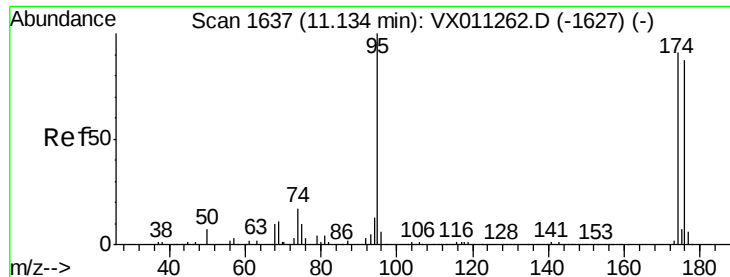
MMDadoda
8/14/2019 9:18:11 AM



#61
1,2-Dibromoethane
Concen: 52.150 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.6	114.8





#62

4-Bromofluorobenzene

Concen: 54.257 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

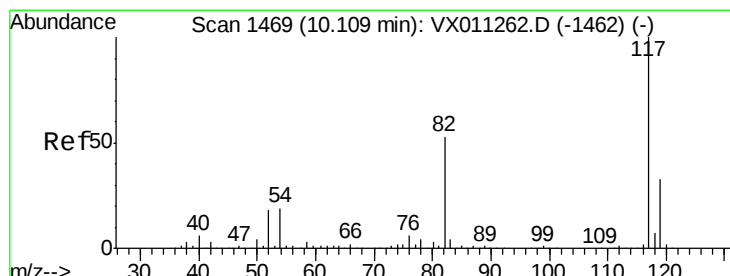
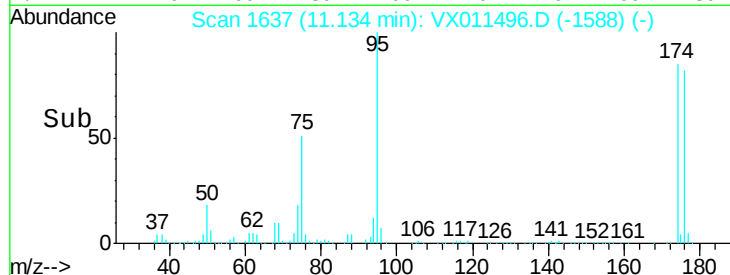
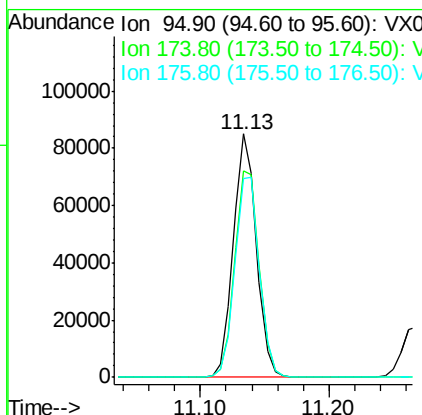
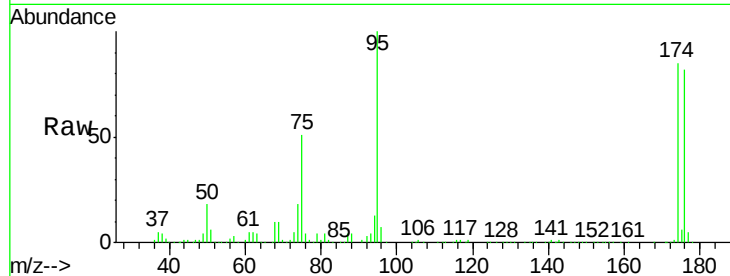
ClientSampleId :

Z3-0693MSD

Tot Ion:	95	Resp:	106349
Ion Ratio	Lower	Upper	
95	100		
174	89.8	0.0	191.2
176	87.4	0.0	184.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

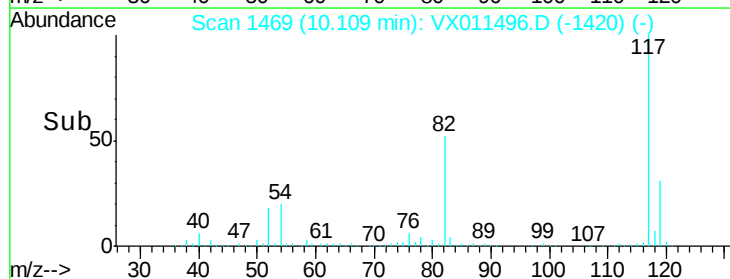
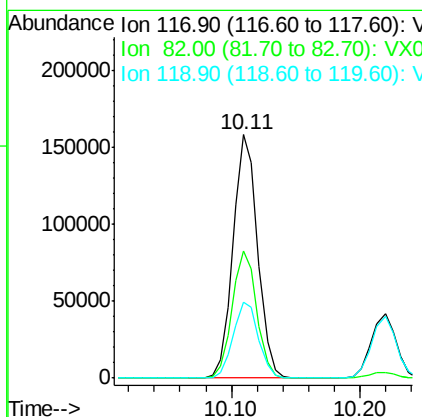
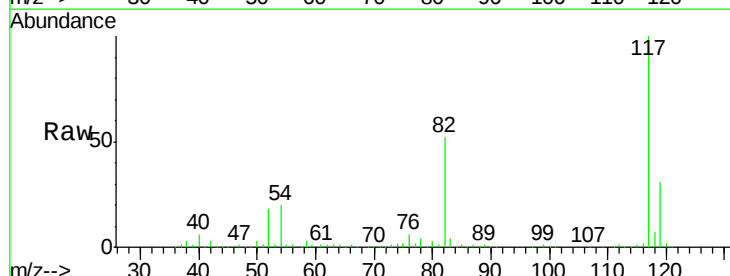
RT: 10.11 min Scan# 1469

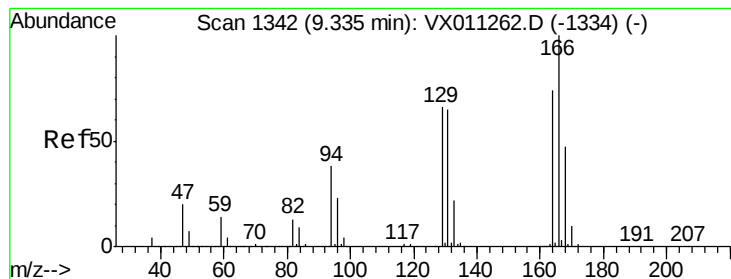
Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Tgt Ion:	117	Resp:	210347
Ion Ratio	Lower	Upper	
117	100		
82	52.1	42.2	63.2
119	31.4	26.6	39.8





#64

Tetrachloroethene

Concen: 42.898 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

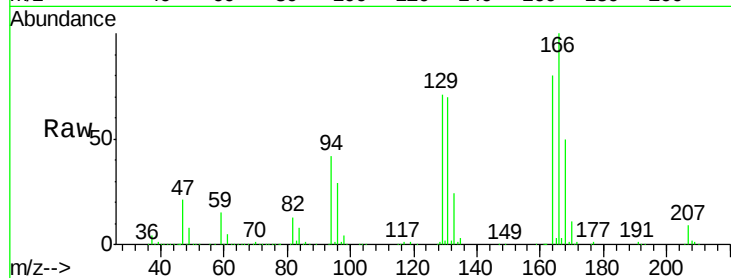
ClientSampleId :

Z3-0693MSD

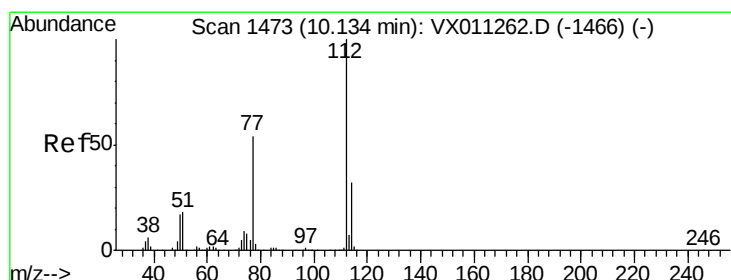
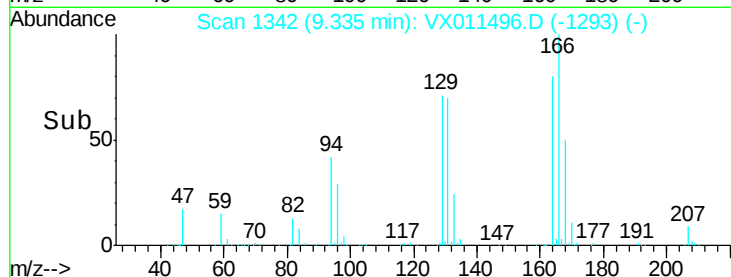
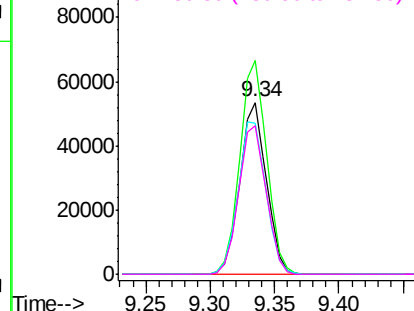
Tot Ion	164	166	129	131
Ratio	100	124.3	87.9	86.4
Lower		107.5	71.0	69.8
Upper		161.3	106.4	104.6

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Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 48.902 ug/l

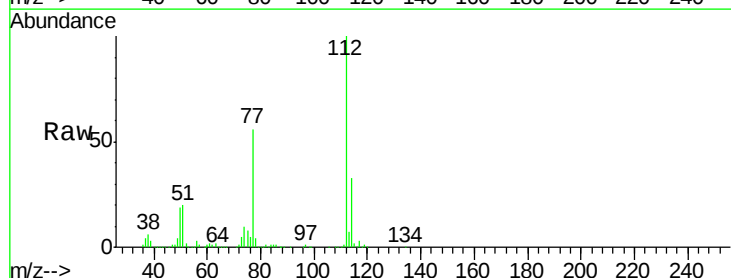
RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

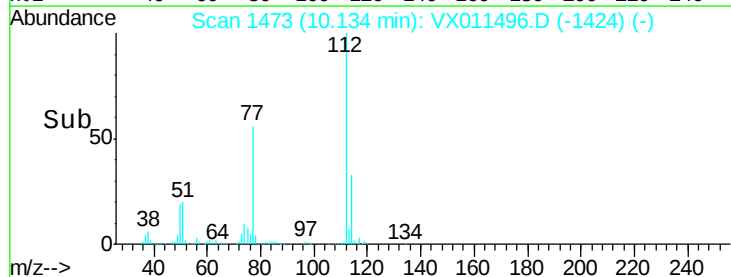
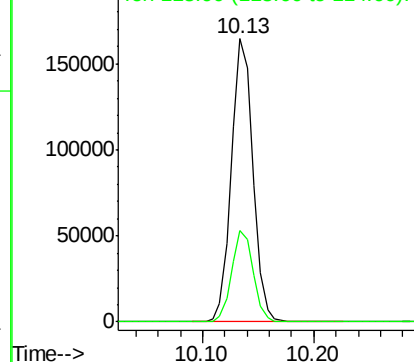
Lab File: VX011496.D

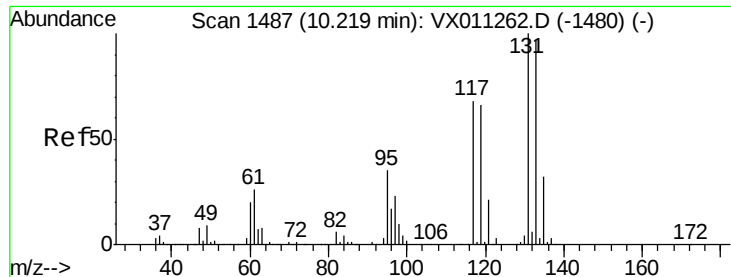
Acq: 12 Aug 2019 20:09

Tgt Ion	112	114
Ratio	100	32.5
Lower		25.9
Upper		38.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





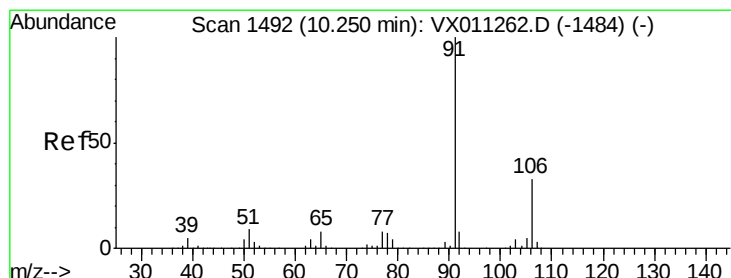
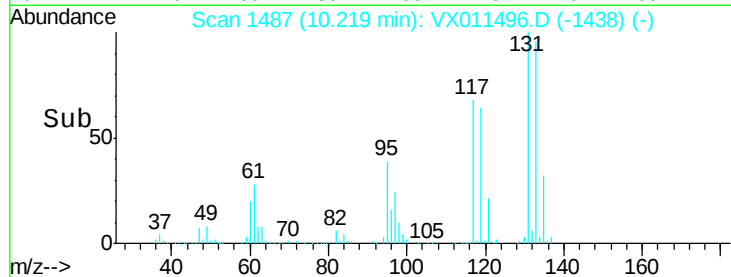
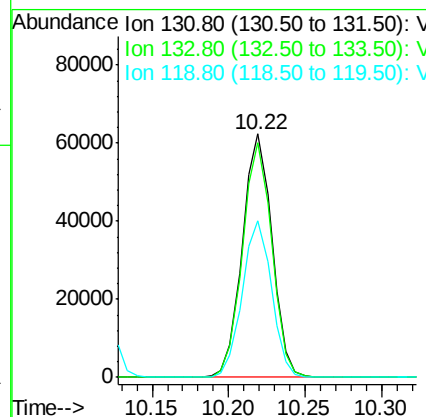
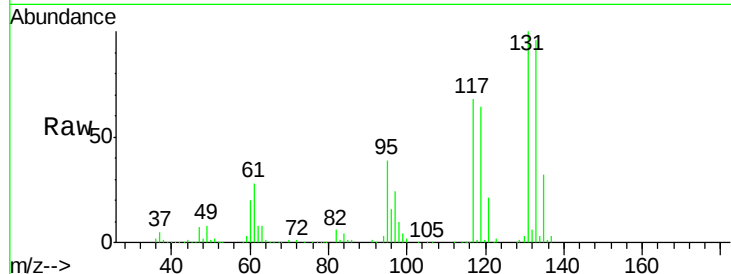
#66
 1,1,1,2-Tetrachloroethane
 Concen: 54.309 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX011496.D
 Acq: 12 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0693MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.7	143.1
119	63.6	32.8	98.3

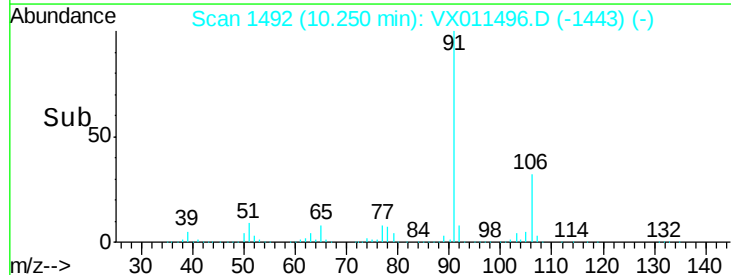
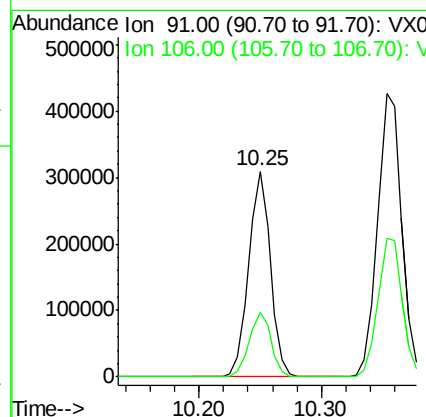
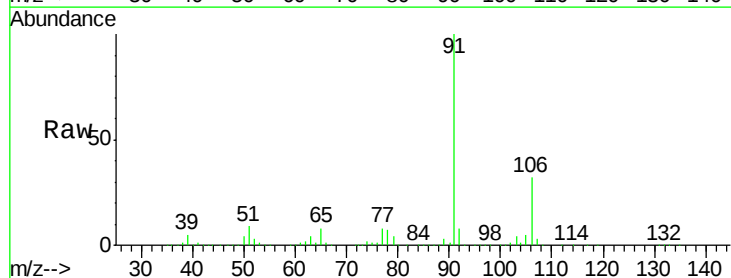
Manual Integrations
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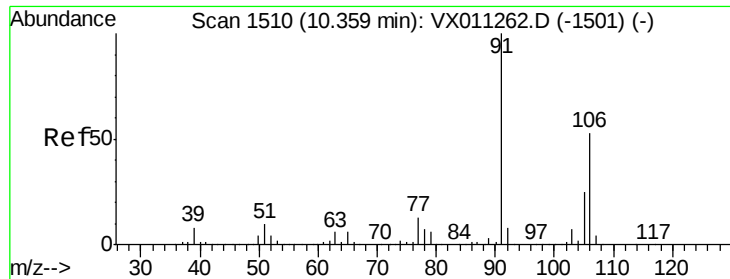
MMDadoda
 8/14/2019 9:18:11 AM



#67
 Ethyl Benzene
 Concen: 50.478 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX011496.D
 Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	26.2	39.4





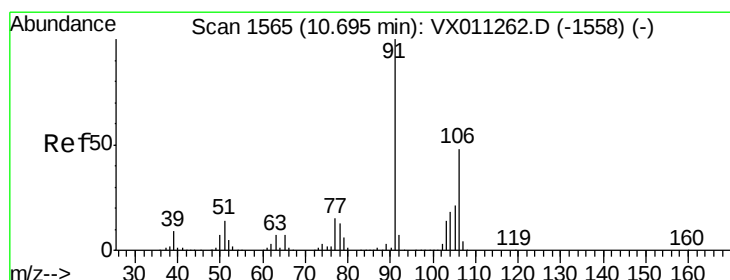
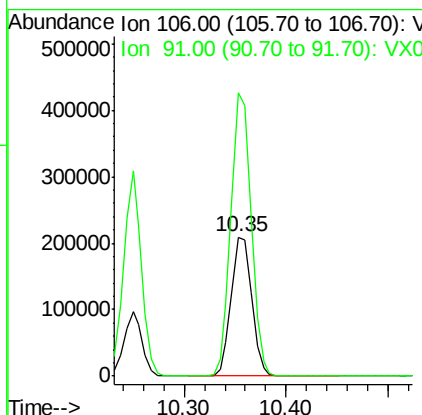
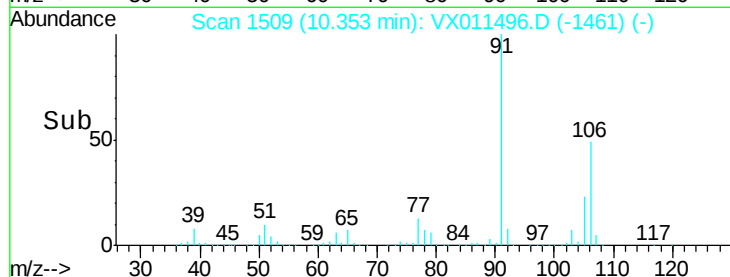
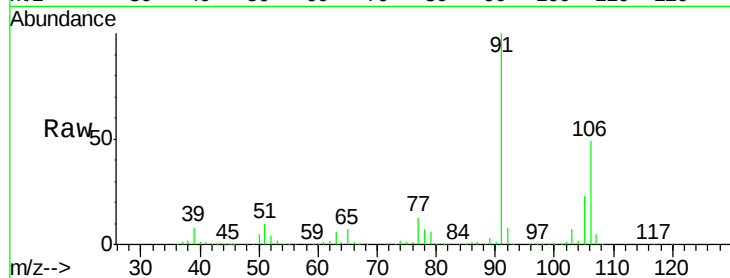
#68
m/p-Xylenes
Concen: 99.623 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
Z3-0693MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		291060		
91	200.9	155.9	233.9		

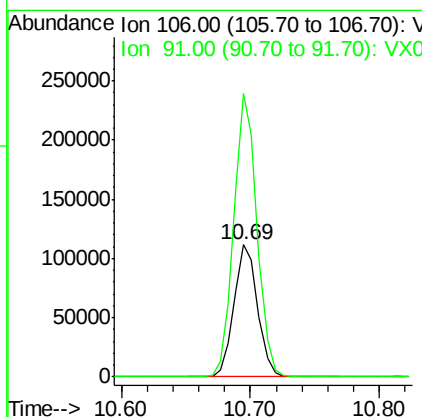
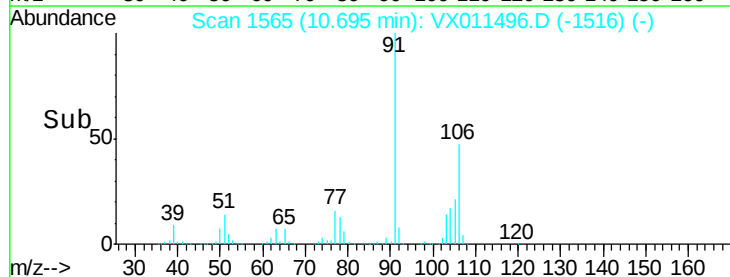
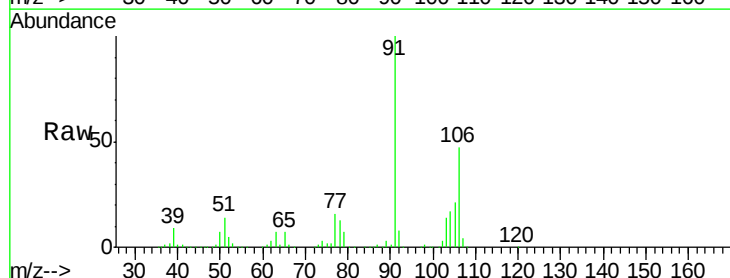
Manual Integrations
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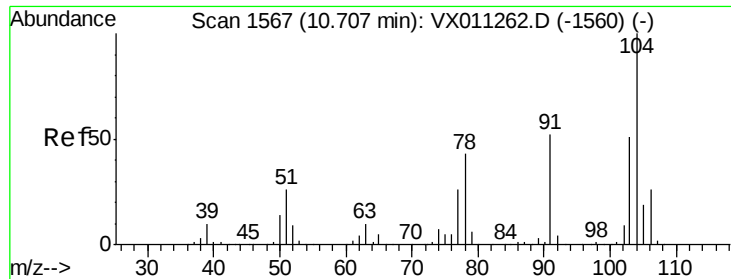
MMDadoda
8/14/2019 9:18:11 AM



#69
o-Xylene
Concen: 49.774 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		142881		
91	209.9	103.8	311.3		





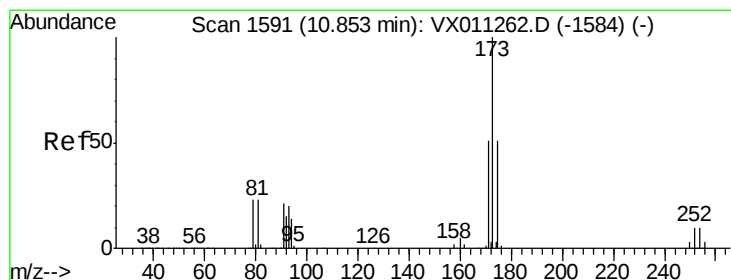
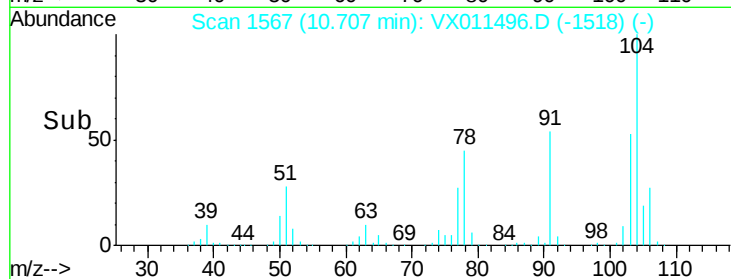
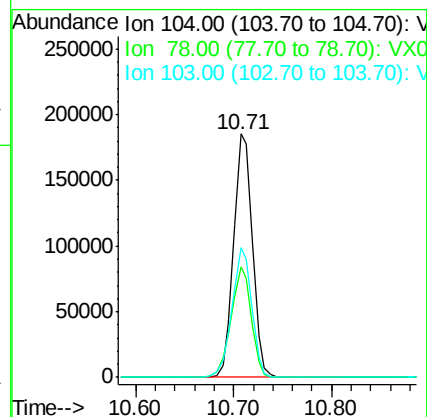
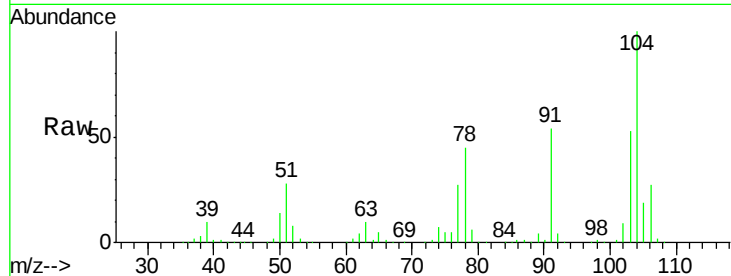
#70
Stvrene
Concen: 52.096 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampled :
Z3-0693MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.5	36.9	55.3
103	56.0	44.4	66.6

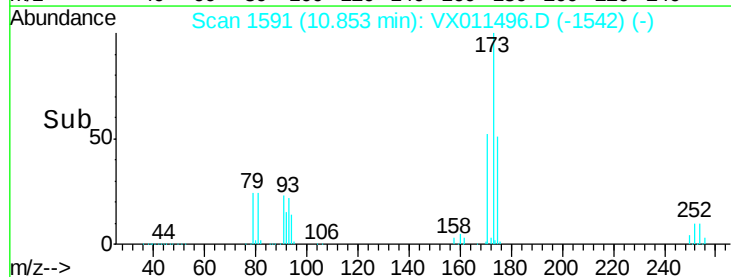
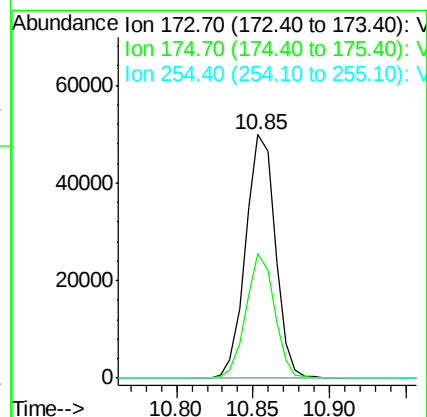
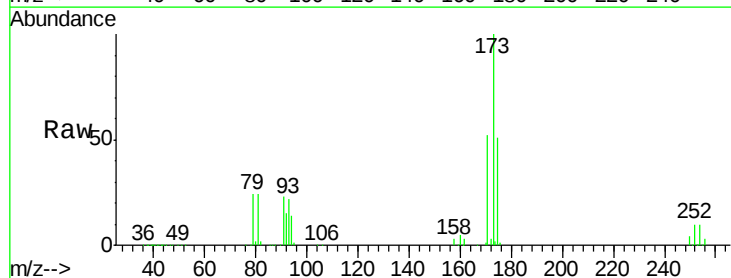
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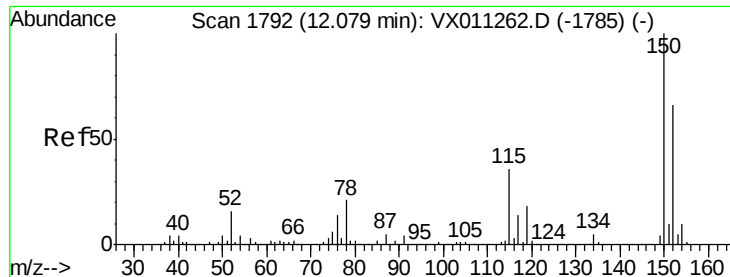
MMDadoda
8/14/2019 9:18:11 AM



#71
Bromoform
Concen: 48.822 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.4
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

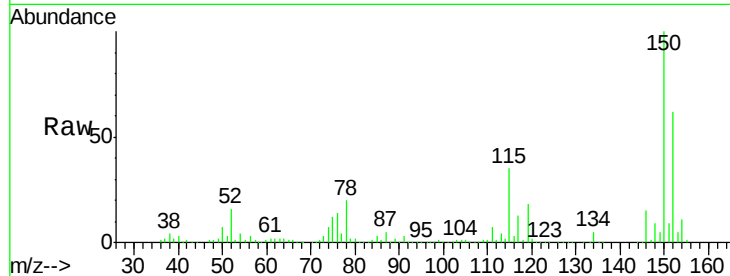
ClientSampleId :

Z3-0693MSD

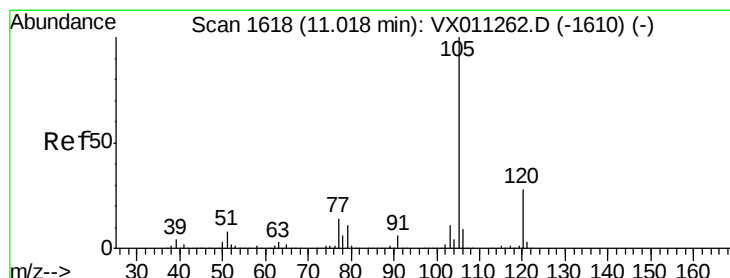
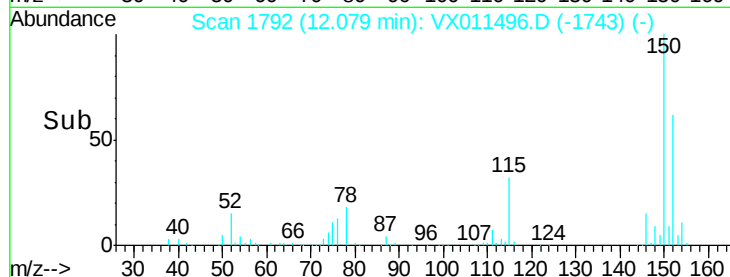
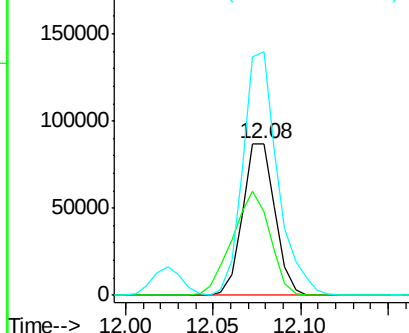
Tot Ion:	152	Resp:	111560
Ion	Ratio	Lower	Upper
152	100		
115	80.7	40.0	119.9
150	173.1	0.0	350.4

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



#73

Isopropylbenzene

Concen: 50.802 ug/l

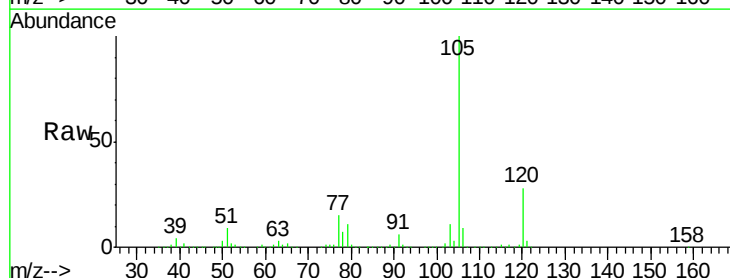
RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

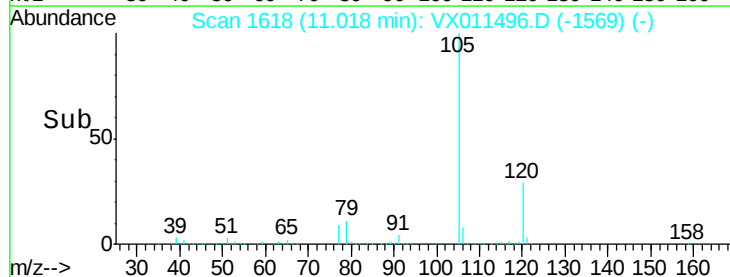
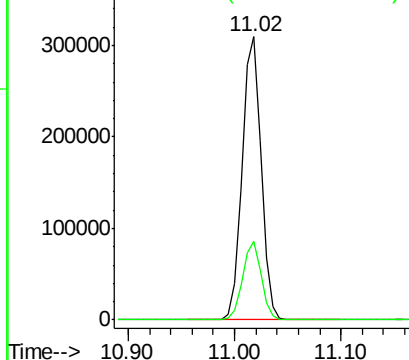
Lab File: VX011496.D

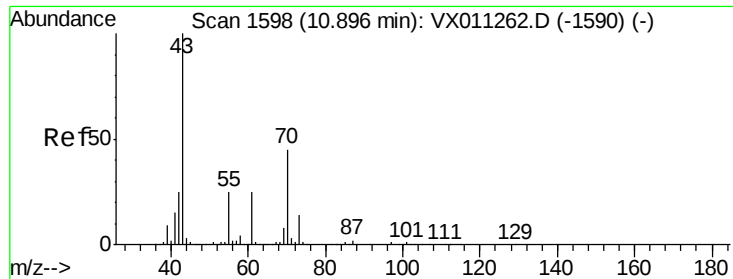
Acq: 12 Aug 2019 20:09

Tgt Ion:	105	Resp:	387614
Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.7	41.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 54.295 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

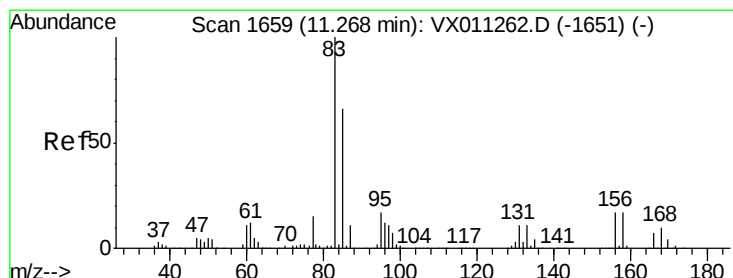
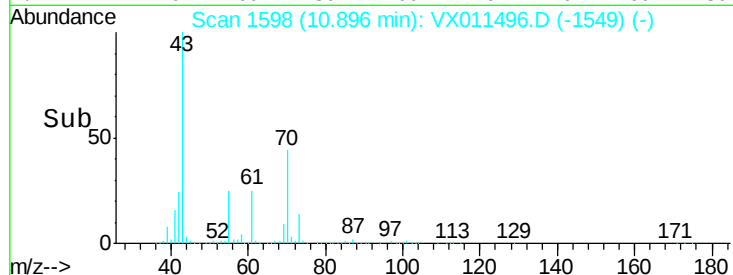
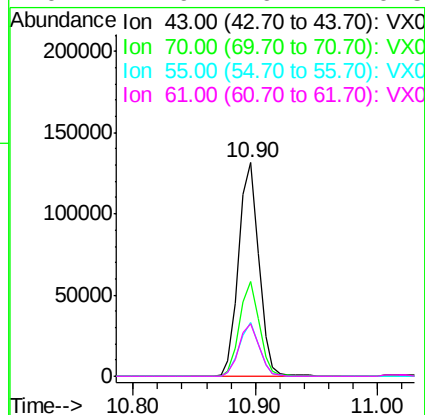
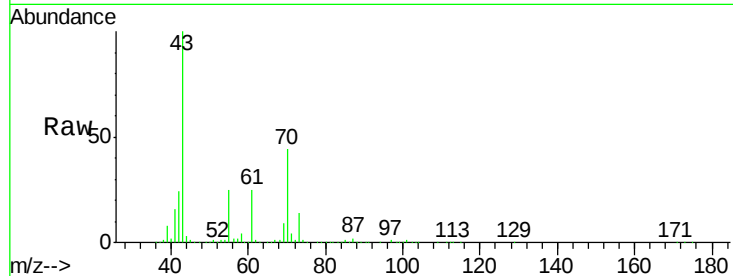
ClientSampleId :

Z3-0693MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
70	43.5	35.9	53.9		
55	25.2	19.8	29.6		
61	24.9	19.7	29.5		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 51.909 ug/l

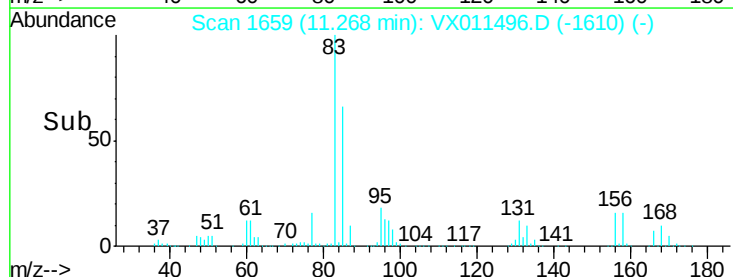
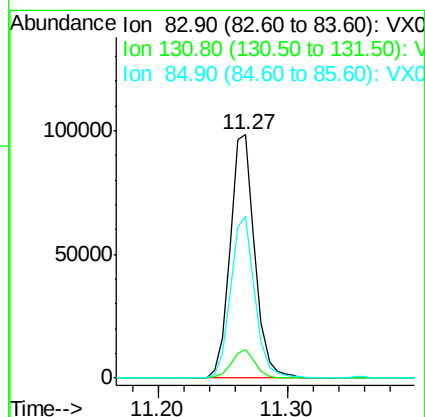
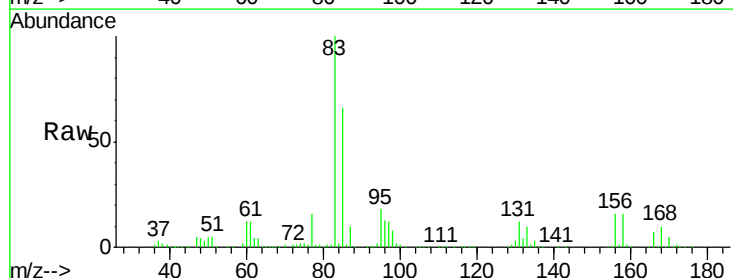
RT: 11.27 min Scan# 1659

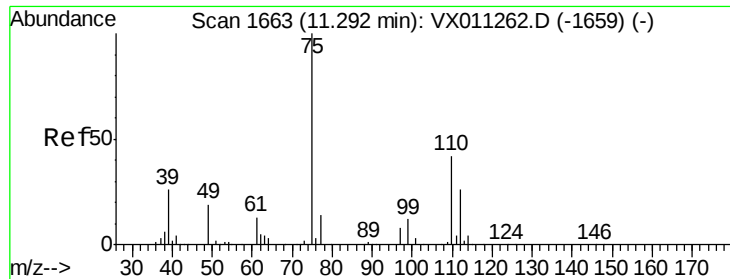
Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
131	11.5	5.6	16.8		
85	65.4	32.1	96.5		





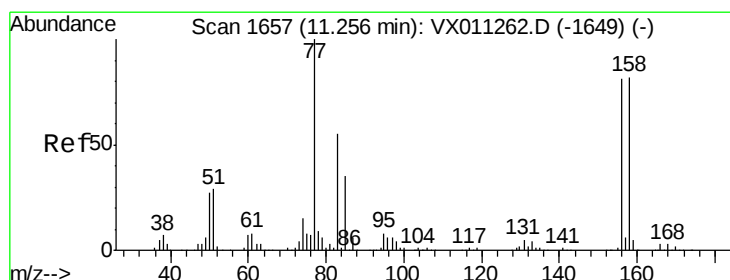
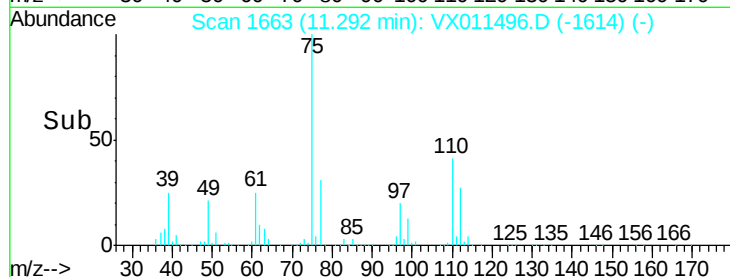
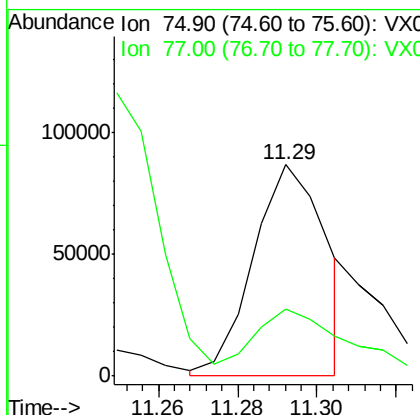
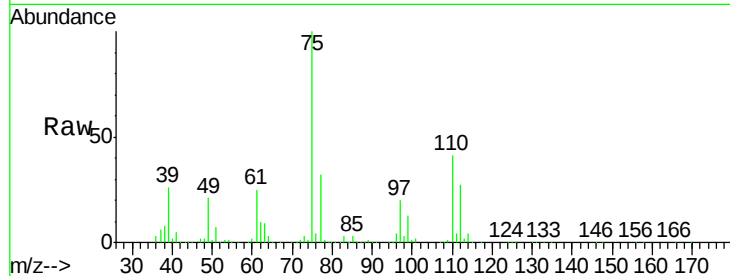
#76
1,2,3-Trichloropropane
Concen: 54.740 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
Z3-0693MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	41.3	21.1	63.4

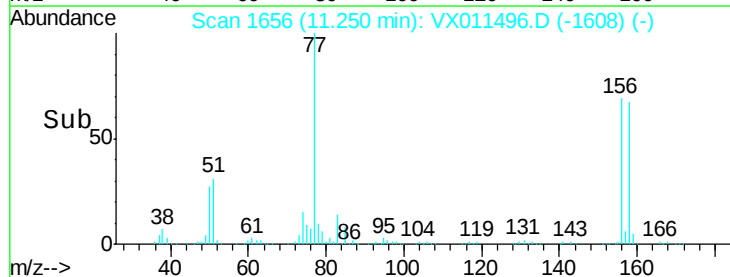
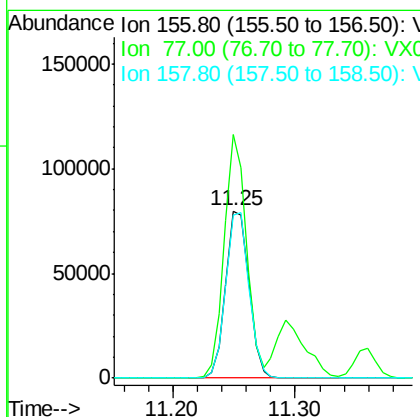
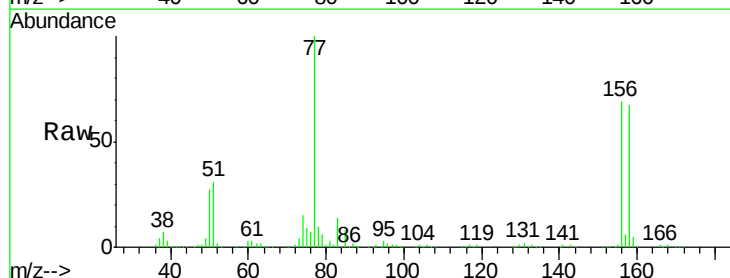
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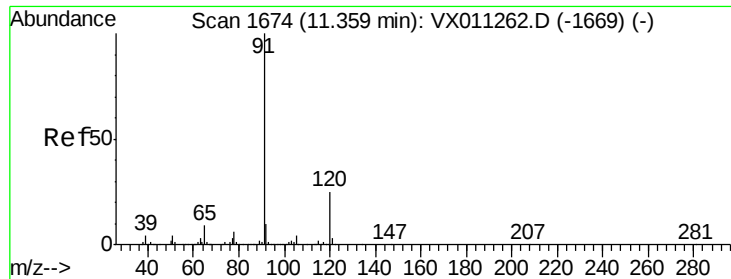
MMDadoda
8/14/2019 9:18:11 AM



#77
Bromobenzene
Concen: 49.925 ug/l
RT: 11.25 min Scan# 1656
Delta R.T. -0.01 min
Lab File: VX011496.D
Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
156	100		
77	138.9	66.2	198.6
158	98.4	49.1	147.3





#78

n-propylbenzene

Concen: 50.260 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-0693MSD

Tot Ion: 91 Resp: 426454

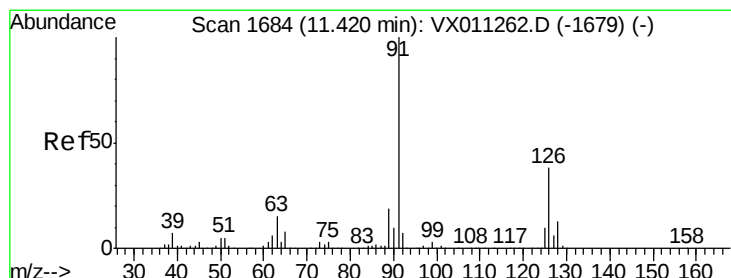
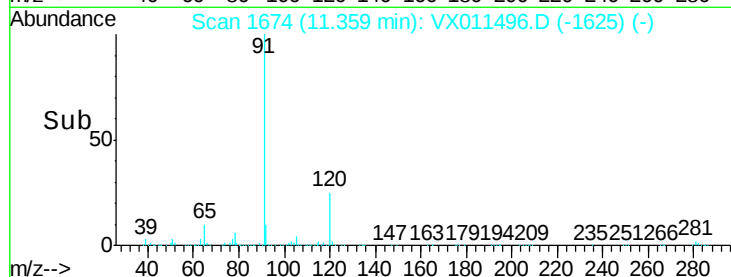
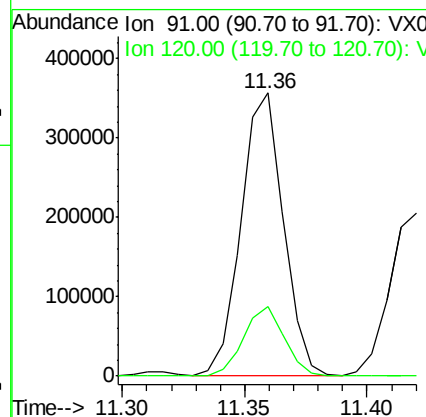
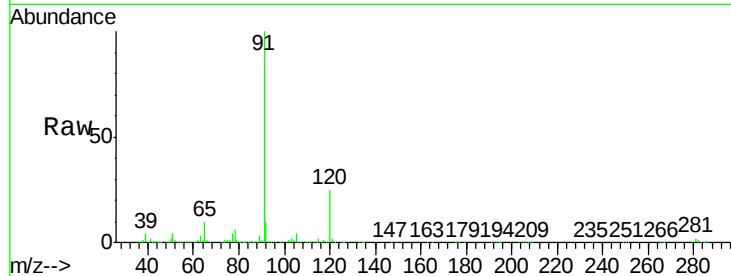
Ion Ratio Lower Upper

91 100

120 24.0 12.4 37.0

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#79

2-Chlorotoluene

Concen: 51.153 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011496.D

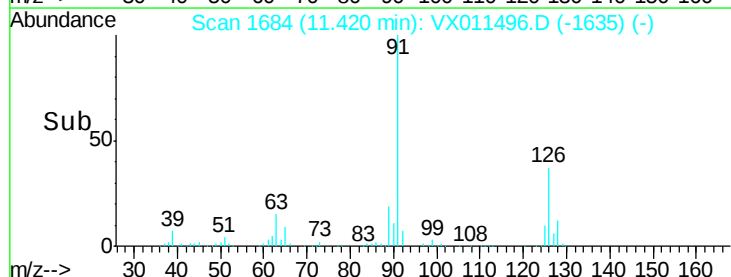
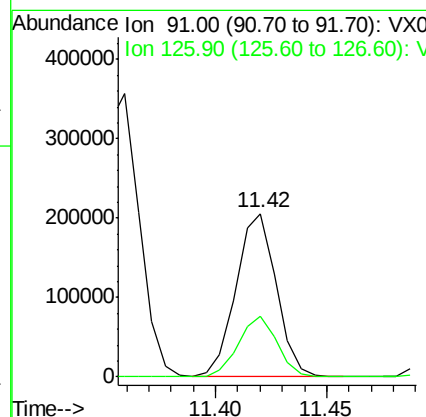
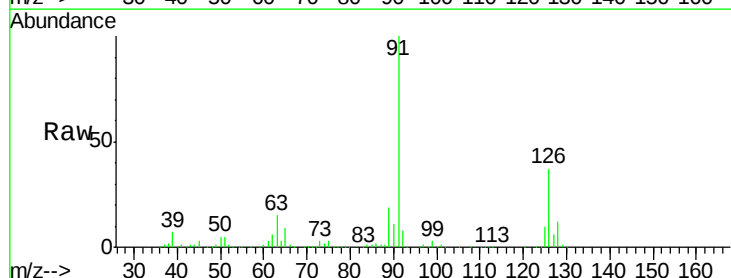
Acq: 12 Aug 2019 20:09

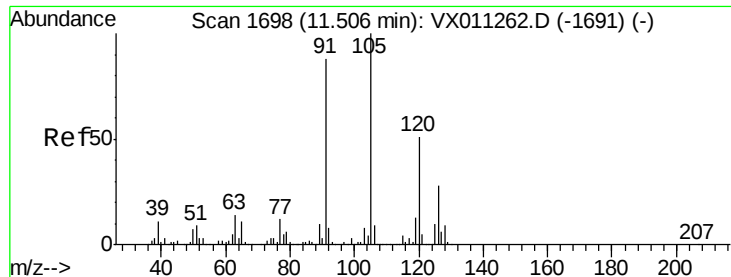
Tgt Ion: 91 Resp: 258696

Ion Ratio Lower Upper

91 100

126 35.8 18.5 55.5





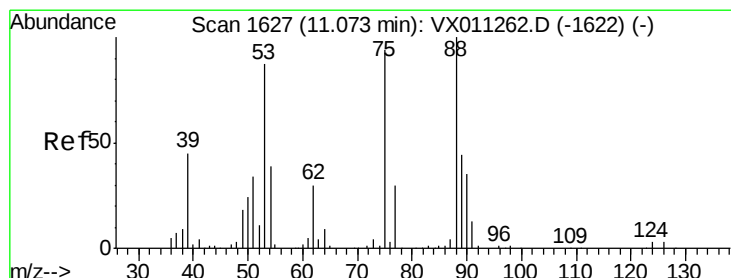
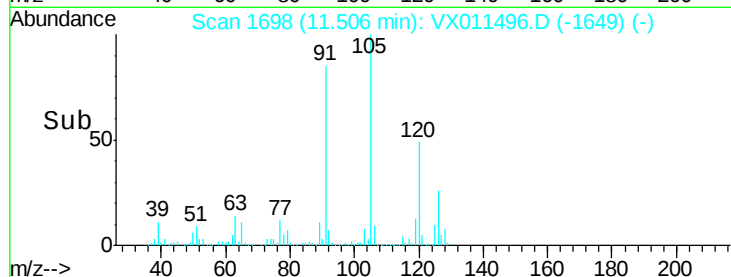
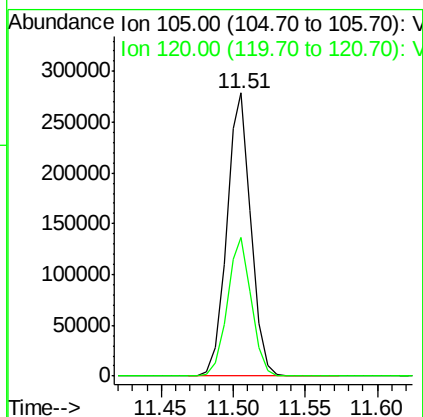
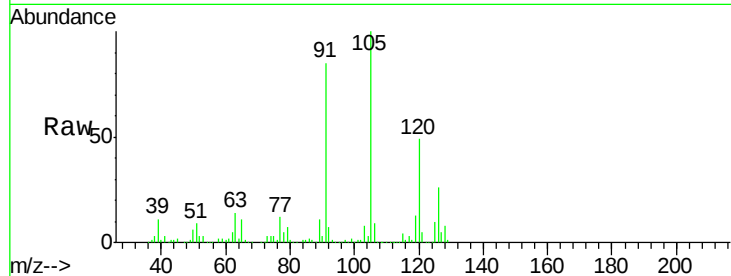
#80
 1,3,5-Trimethylbenzene
 Concen: 51.172 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011496.D
 Acq: 12 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0693MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.9	25.1	75.2

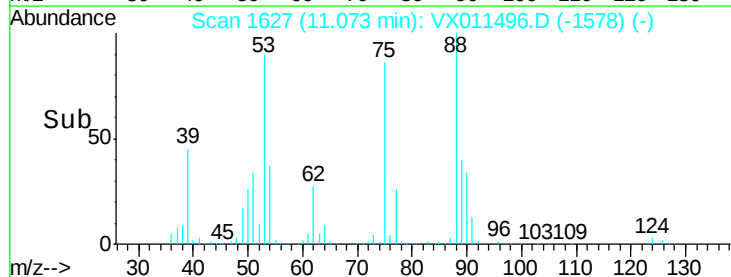
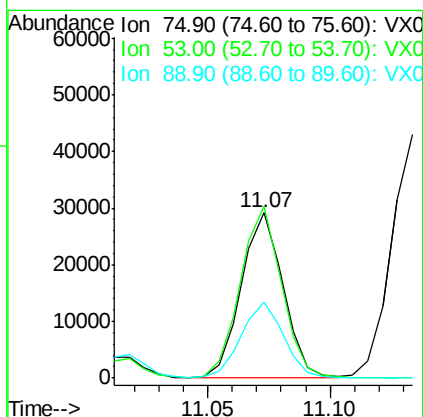
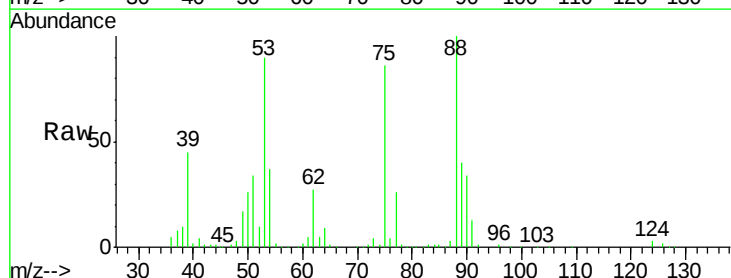
Manual Integrations
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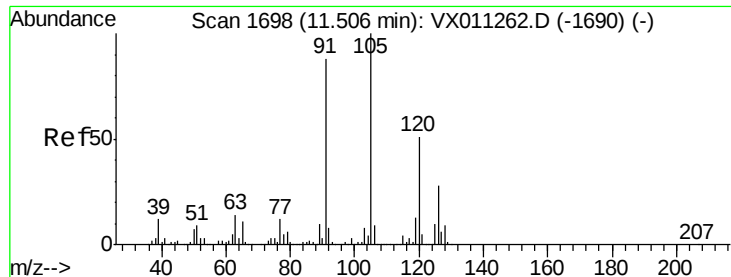
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 8/14/2019 9:18:11 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.930 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX011496.D
 Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
53	104.5	78.2	117.4
89	47.3	37.9	56.9





#82

4-Chlorotoluene

Concen: 51.536 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-0693MSD

Tot Ion: 91 Resp: 303744

Ion Ratio Lower Upper

91 100

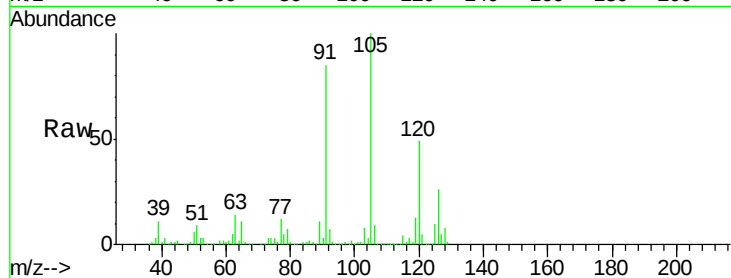
126 30.9 16.4 49.2

Manual Integrations

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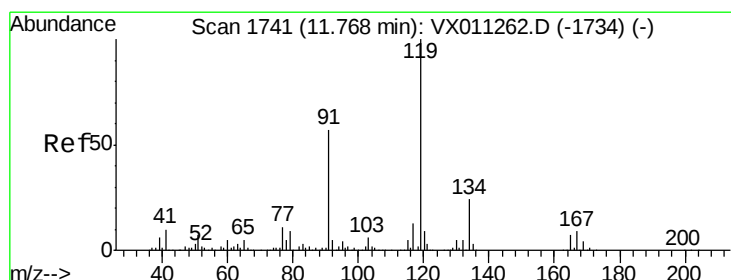
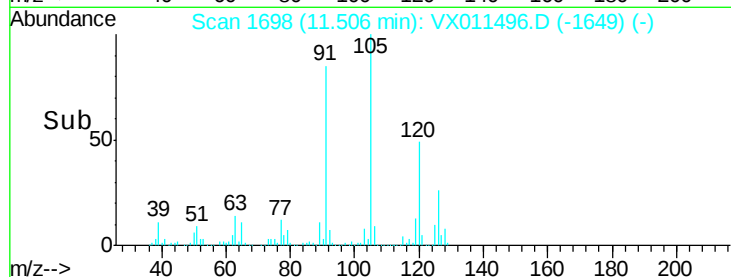
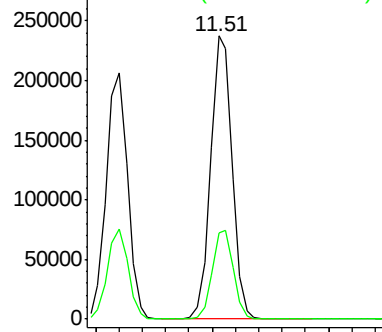
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 52.253 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

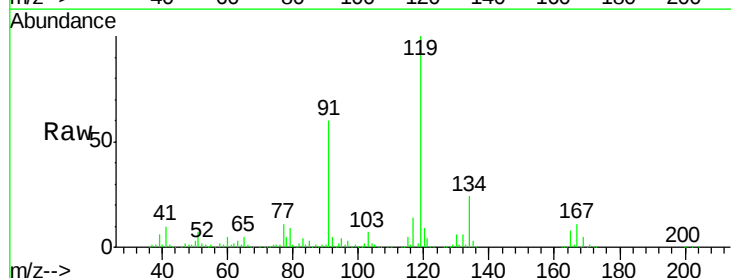
Tgt Ion: 119 Resp: 327325

Ion Ratio Lower Upper

119 100

91 56.8 28.0 84.0

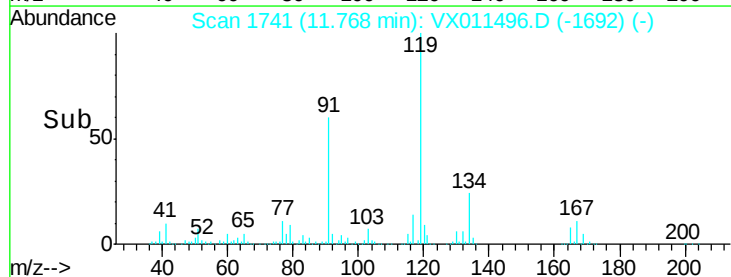
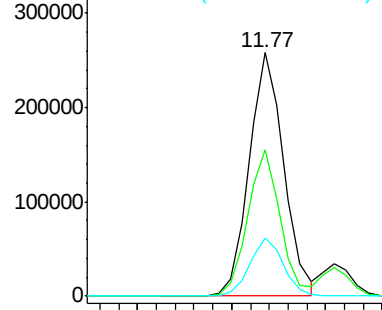
134 23.3 11.9 35.5

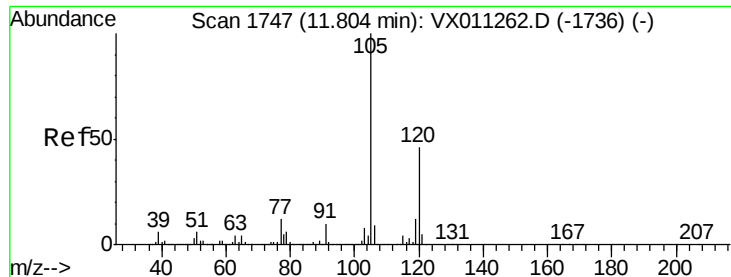


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V





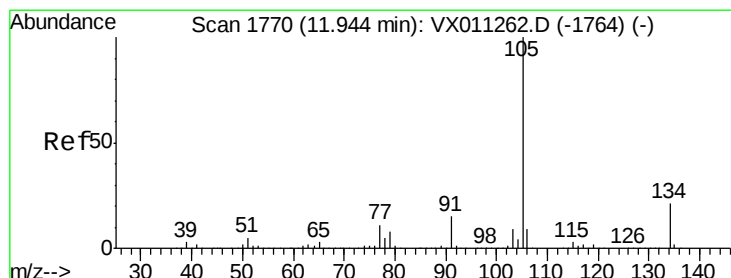
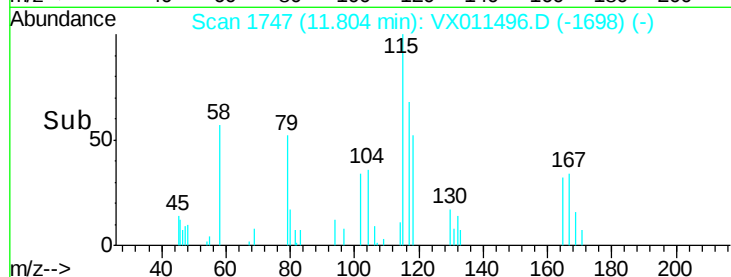
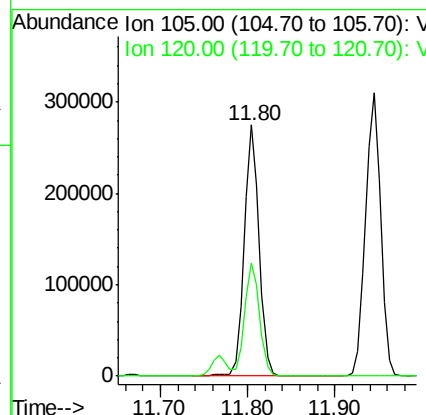
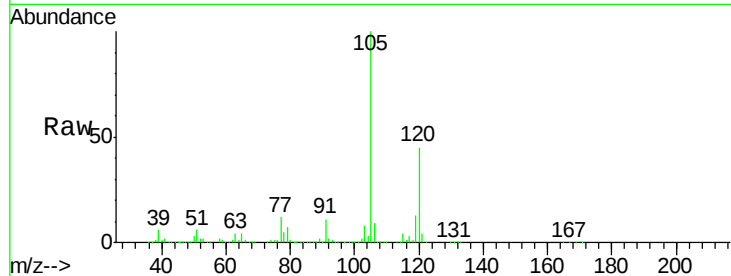
#84
 1,2,4-Trimethylbenzene
 Concen: 51.575 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011496.D
 Acq: 12 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0693MSD

Tot Ion:105 Resp: 327973
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.0 69.0

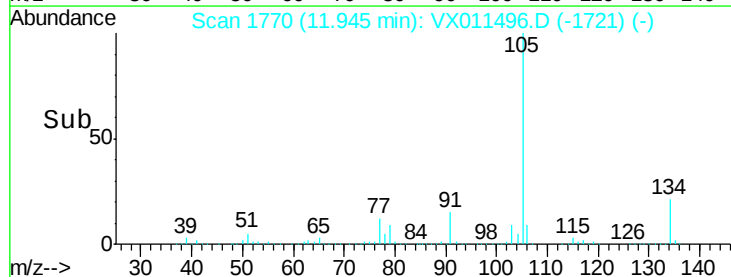
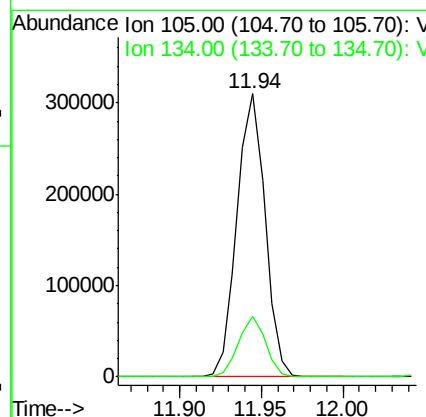
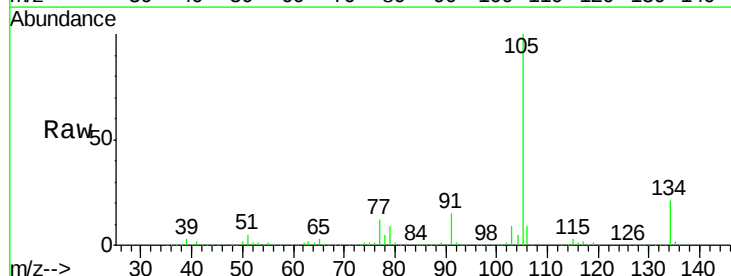
Manual Integrations
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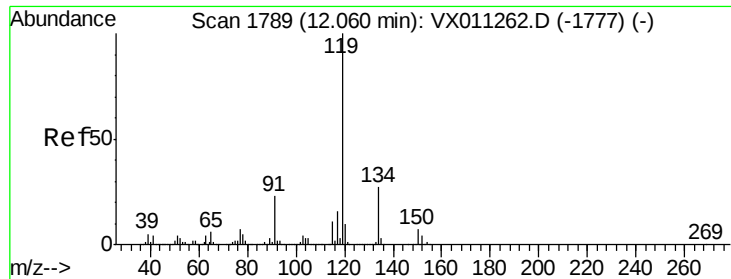
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#85
 sec-Butylbenzene
 Concen: 49.595 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX011496.D
 Acq: 12 Aug 2019 20:09

Tgt Ion:105 Resp: 373265
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.4





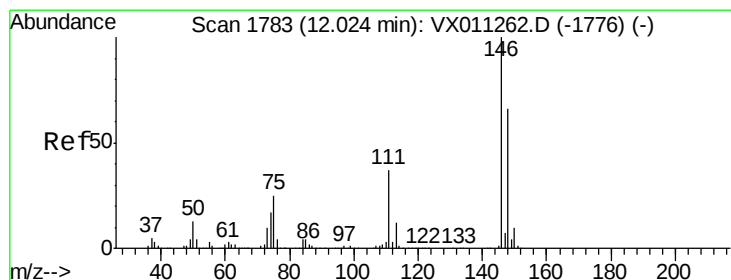
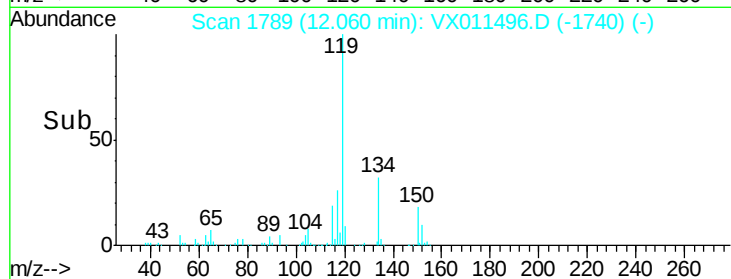
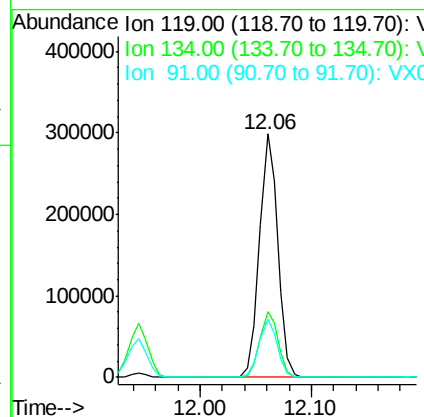
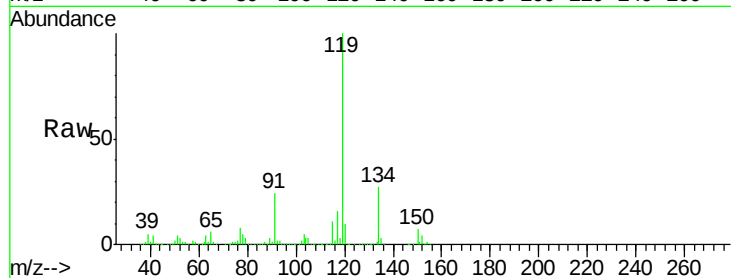
#86
 p-Isopropyltoluene
 Concen: 49.684 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011496.D
 Acq: 12 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0693MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	344008		
134	27.2		13.7	41.0
91	23.6		11.4	34.2

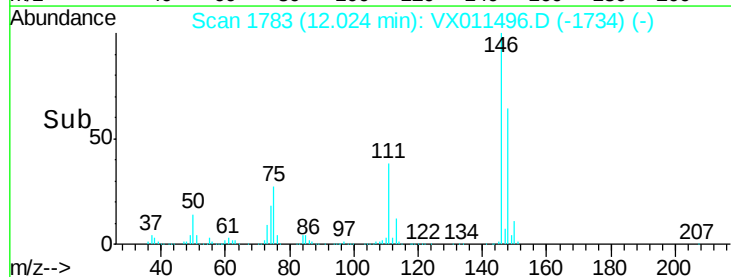
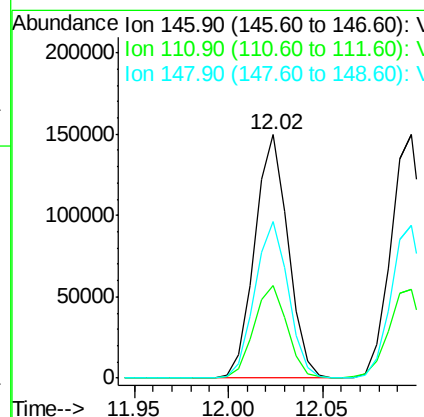
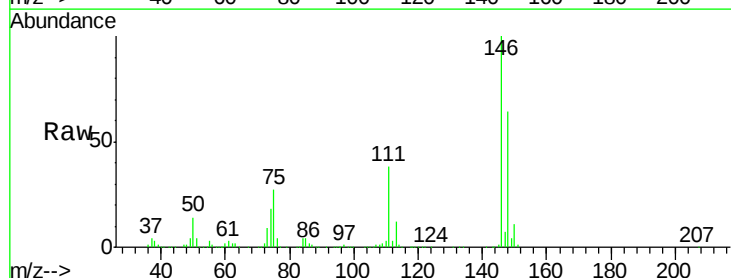
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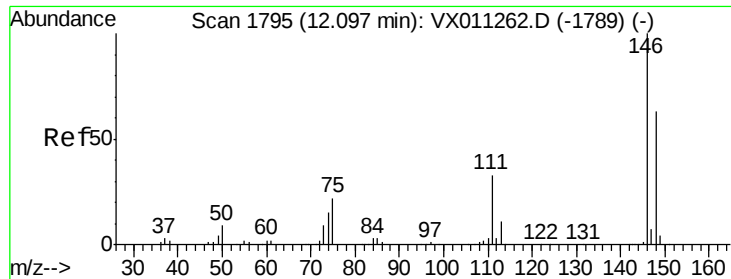
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#87
 1,3-Dichlorobenzene
 Concen: 49.015 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011496.D
 Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	183234		
111	38.3		18.6	55.8
148	64.8		32.5	97.5





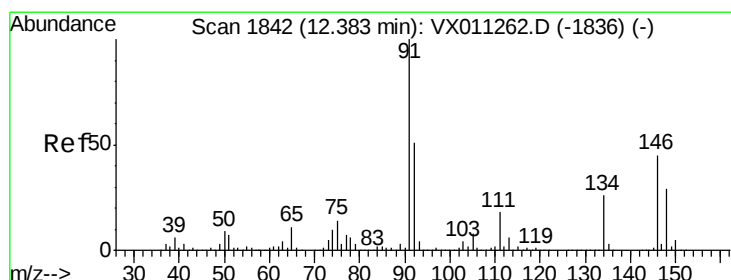
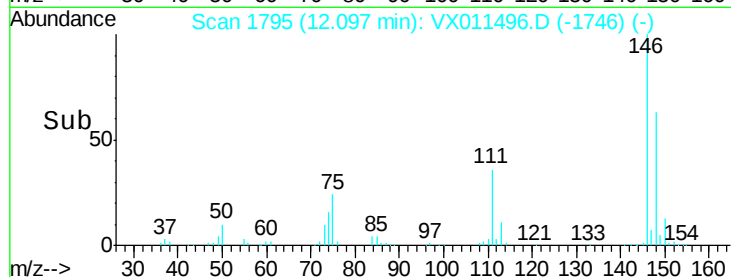
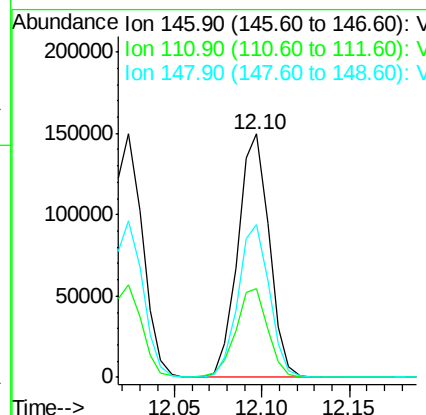
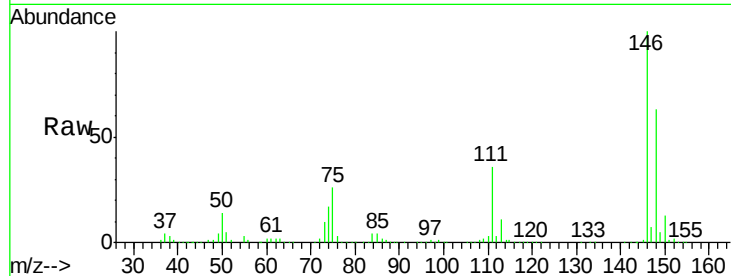
#88
 1,4-Dichlorobenzene
 Concen: 48.186 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011496.D
 Acq: 12 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0693MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	17.8	53.4
148	63.2	31.8	95.3

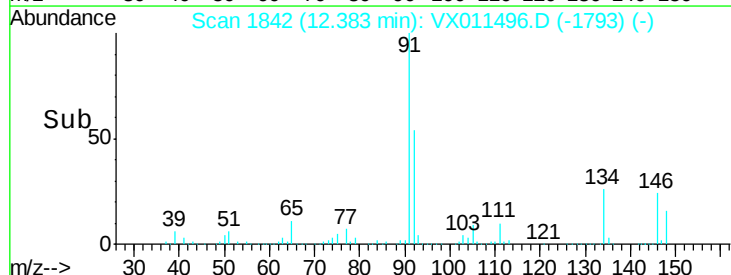
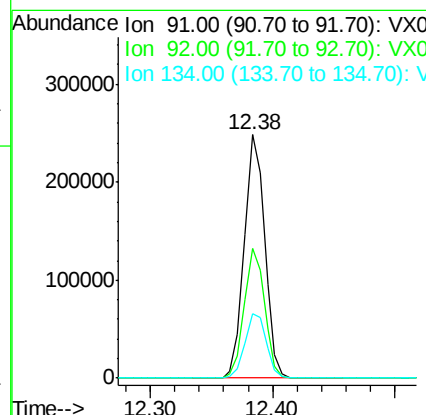
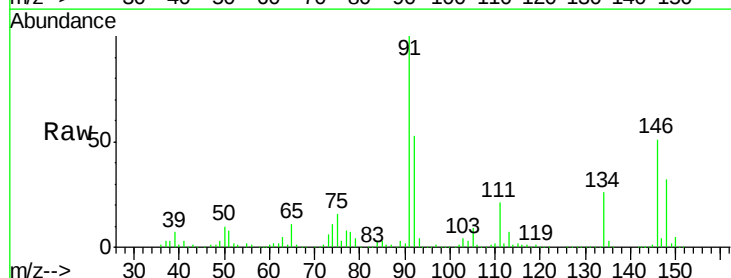
Manual Integrations
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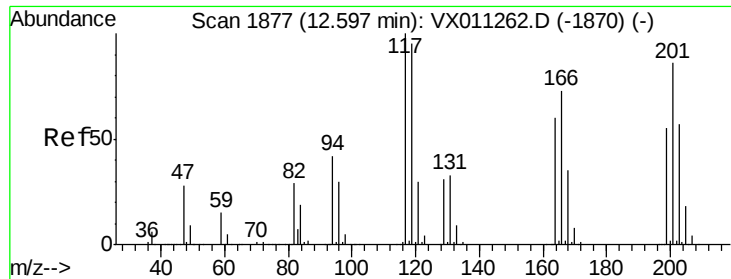
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#89
 n-Butylbenzene
 Concen: 48.151 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX011496.D
 Acq: 12 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	25.8	77.3
134	27.3	13.7	41.0





#90

Hexachloroethane

Concen: 55.116 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-0693MSD

Tot Ion:117 Resp: 56420

Ion Ratio Lower Upper

117 100

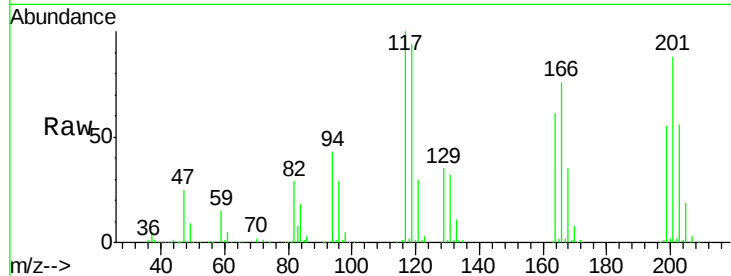
201 81.8 41.8 125.4

Manual Integrations

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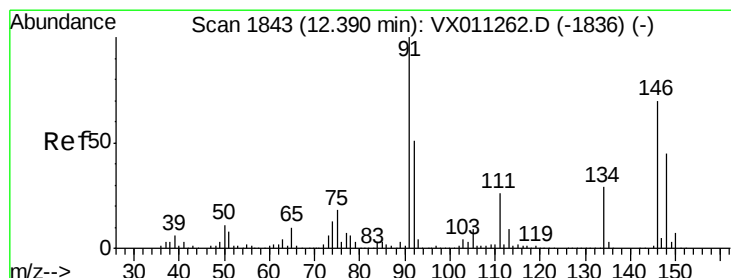
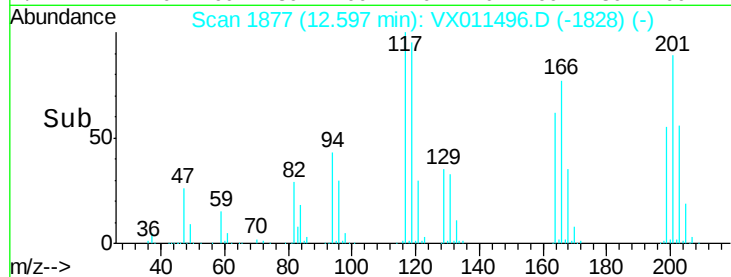
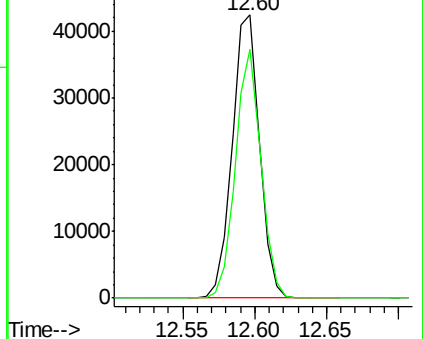
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 49.738 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

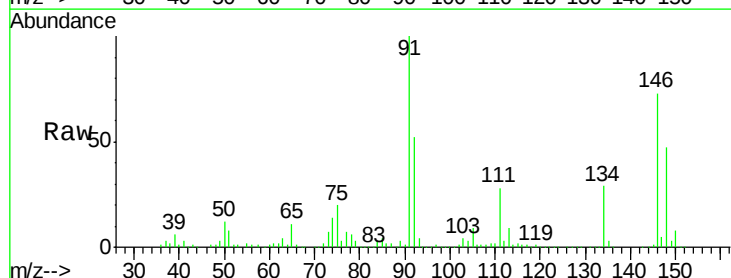
Tgt Ion:146 Resp: 186822

Ion Ratio Lower Upper

146 100

111 39.8 19.1 57.1

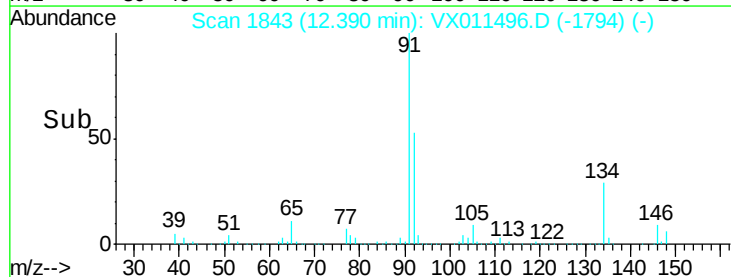
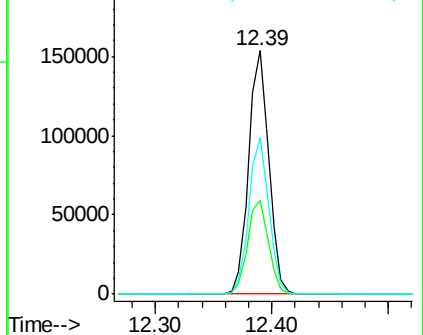
148 63.7 32.3 96.8

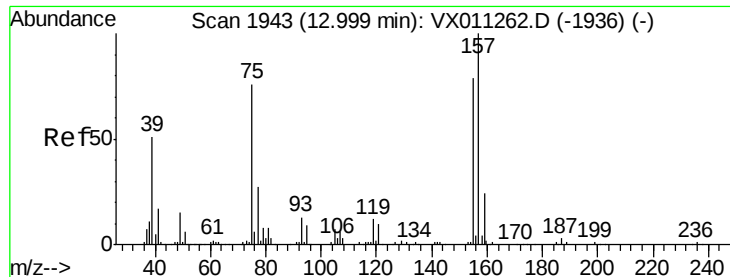


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 58.138 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

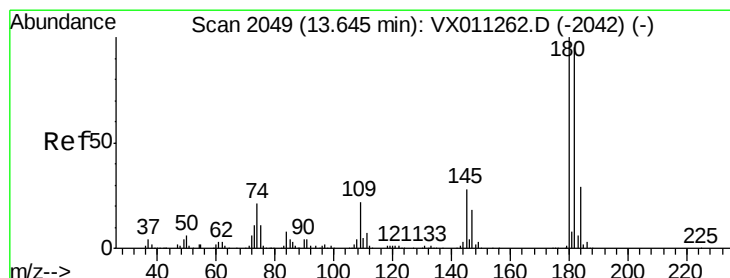
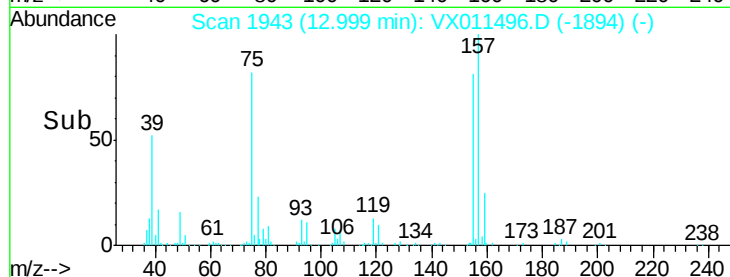
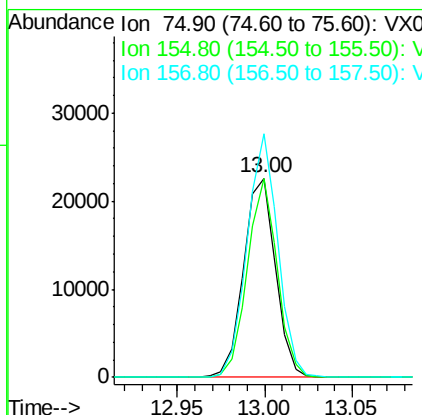
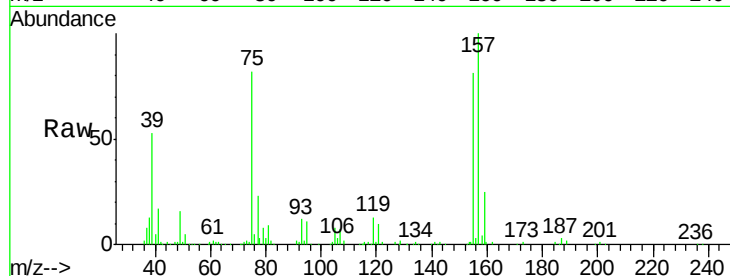
ClientSampleId :

Z3-0693MSD

Tot Ion:	75	Resp:	28640
Ion	Ratio	Lower	Upper
75	100		
155	93.0	51.9	155.8
157	118.0	64.3	192.7

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#93

1,2,4-Trichlorobenzene

Concen: 48.274 ug/l

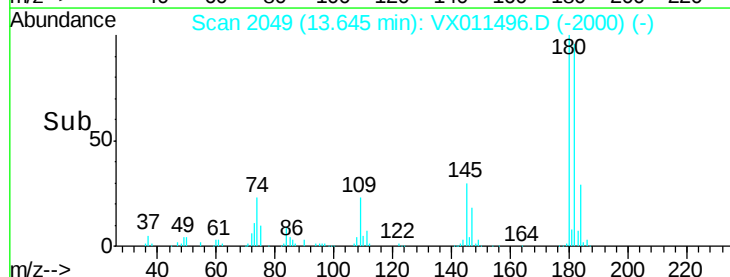
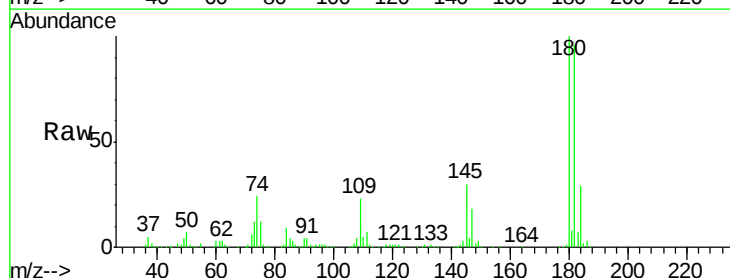
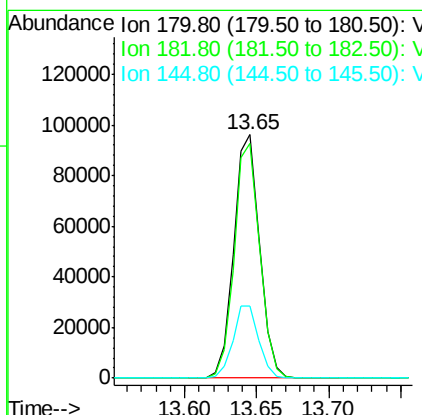
RT: 13.65 min Scan# 2049

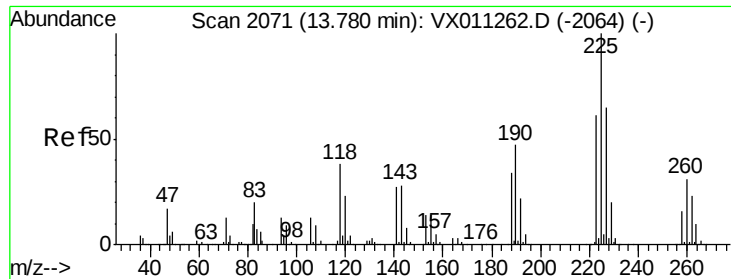
Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Tgt Ion:	180	Resp:	120251
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.4
145	29.7	14.8	44.3





#94

Hexachlorobutadiene

Concen: 45.623 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Instrument :

MSVOA_X

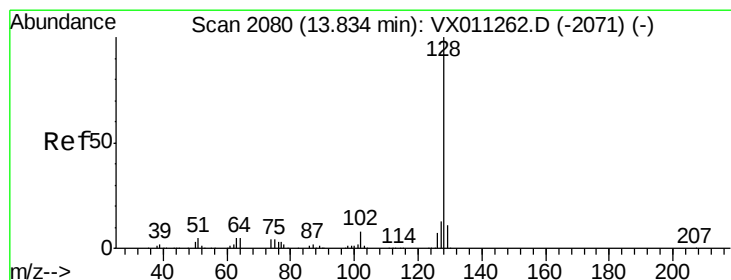
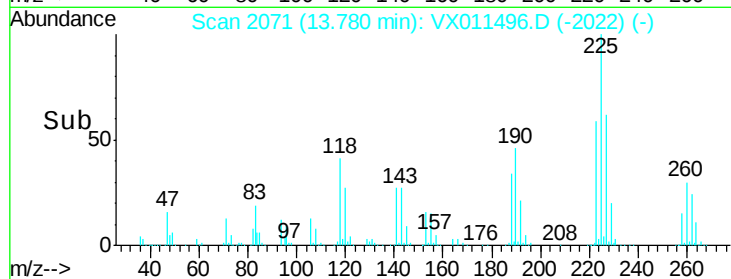
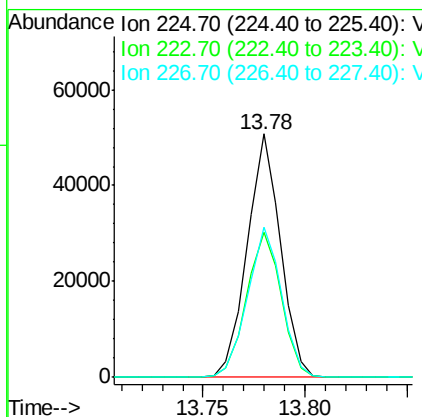
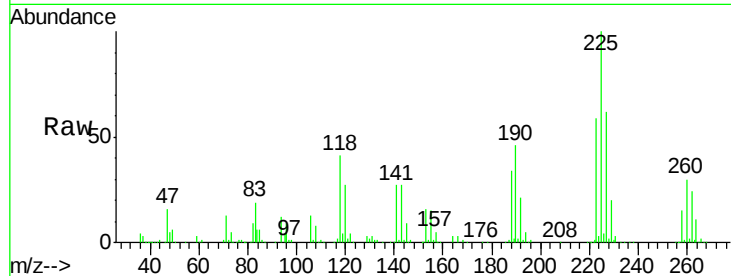
ClientSampleId :

Z3-0693MSD

Tot Ion:	225	Resp:	57660
Ion Ratio		Lower	Upper
225	100		
223	62.0	31.0	93.0
227	63.0	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:18:11 AM



#95

Naphthalene

Concen: 53.389 ug/l

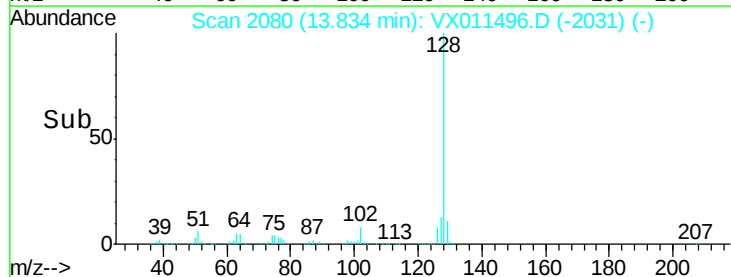
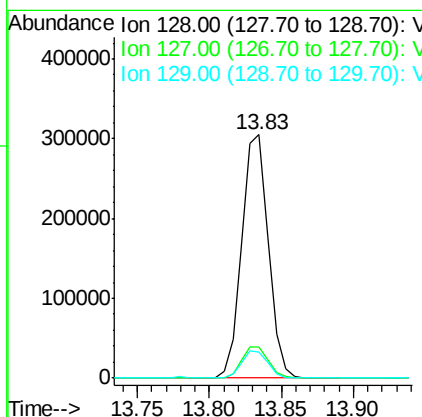
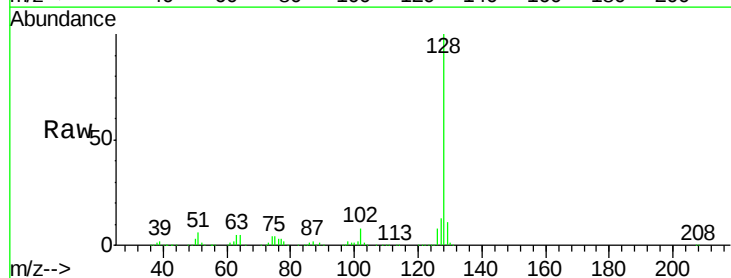
RT: 13.83 min Scan# 2080

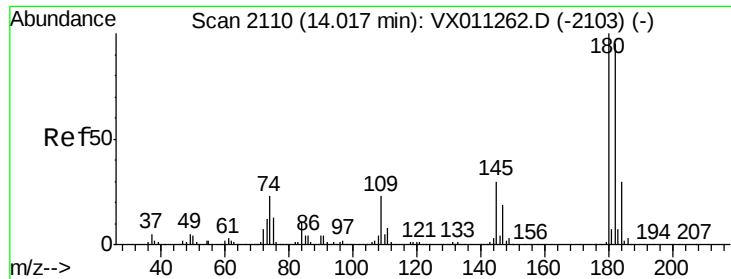
Delta R.T. 0.00 min

Lab File: VX011496.D

Acq: 12 Aug 2019 20:09

Tgt Ion:	128	Resp:	388923
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.9	13.3





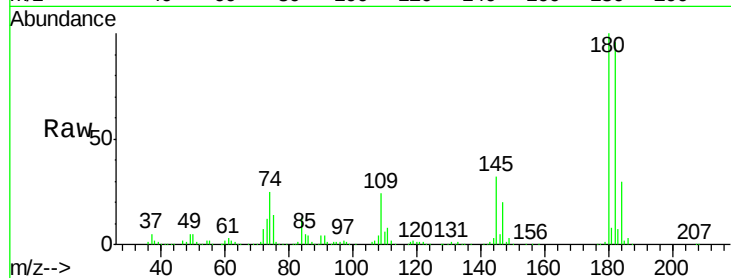
#96
 1,2,3-Trichlorobenzene
 Concen: 48.694 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX011496.D
 Acq: 12 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0693MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.0	47.4	142.3
145	31.8	15.2	45.6

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:18:11 AM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

