

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092319\
 Data File : VX012596.D
 Acq On : 23 Sep 2019 10:56
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 10:07:28 AM

Quant Time: Sep 23 12:10:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 11:56:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	194526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	343190	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	139480	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	54247	19.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	38.48%	
35) Dibromofluoromethane	5.49	113	39569	18.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	37.98%	
50) Toluene-d8	8.71	98	150752	19.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	38.86%	
62) 4-Bromofluorobenzene	11.14	95	57954	18.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	42213	32.660	ug/l	97
3) Chloromethane	1.32	50	49932	39.105	ug/l	100
4) Vinyl Chloride	1.40	62	49162	36.458	ug/l	97
5) Bromomethane	1.63	94	22893	42.365	ug/l	97
6) Chloroethane	1.72	64	32518	31.348	ug/l	95
7) Trichlorofluoromethane	1.92	101	68756	30.039	ug/l	100
8) Diethyl Ether	2.18	74	27773	27.290	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	42061	26.120	ug/l	98
10) Methyl Iodide	2.50	142	36254	27.334	ug/l	99
11) Tert butyl alcohol	3.03	59	69623	93.751	ug/l	99
12) 1,1-Dichloroethene	2.36	96	42479	31.357	ug/l	92
13) Acrolein	2.28	56	36478	121.638	ug/l	100
14) Allyl chloride	2.72	41	85073	28.192	ug/l	99
15) Acrylonitrile	3.13	53	144911	117.509	ug/l	100
16) Acetone	2.44	43	165174	115.296	ug/l	100
17) Carbon Disulfide	2.56	76	114935	53.179	ug/l	99
18) Methyl Acetate	2.76	43	70465	23.787	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	159631	23.439	ug/l	100
20) Methylene Chloride	2.85	84	49213	27.318	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	45541	32.115	ug/l	99
22) Diisopropyl ether	3.84	45	162020	23.777	ug/l	98
23) Vinyl Acetate	3.80	43	720032	127.112	ug/l	99
24) 1,1-Dichloroethane	3.69	63	85672	25.670	ug/l	99
25) 2-Butanone	4.66	43	220925	112.833	ug/l	98
26) 2,2-Dichloropropane	4.57	77	78450	24.343	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	53368	26.629	ug/l	97
28) Bromochloromethane	5.01	49	31065	18.960	ug/l	99
29) Tetrahydrofuran	5.12	42	132368	120.888	ug/l	98
30) Chloroform	5.20	83	88350	23.561	ug/l	98
31) Cyclohexane	5.57	56	79468	34.940	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	79628	25.131	ug/l	98
36) 1,1-Dichloropropene	5.79	75	66779	29.936	ug/l	98
37) Ethyl Acetate	4.82	43	79178	24.457	ug/l	99
38) Carbon Tetrachloride	5.77	117	67065	25.045	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	78408	34.508	ug/l	95
40) Benzene	6.14	78	193667	27.607	ug/l	100
41) Methacrylonitrile	5.03	41	41834	20.357	ug/l	97
42) 1,2-Dichloroethane	6.19	62	74774	23.838	ug/l	99
43) Isopropyl Acetate	6.44	43	127271	22.109	ug/l	99
44) Trichloroethene	7.21	130	49665	27.235	ug/l	99
45) 1,2-Dichloropropane	7.51	63	51049	24.505	ug/l	99
46) Dibromomethane	7.65	93	33428	24.627	ug/l	98
47) Bromodichloromethane	7.89	83	67691	22.844	ug/l	100
48) Methyl methacrylate	7.76	41	61519	22.533	ug/l	98
49) 1,4-Dioxane	7.73	88	28757	434.183	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	402680	107.623	ug/l	99
52) Toluene	8.78	92	122933	27.370	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	74884	24.068	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	81554	25.079	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	48895	22.097	ug/l	99
56) Ethyl methacrylate	9.17	69	82181	23.484	ug/l	100
57) 1,3-Dichloropropane	9.37	76	86101	24.117	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	187915	104.964	ug/l	99
59) 2-Hexanone	9.48	43	315863	108.084	ug/l	99
60) Dibromochloromethane	9.57	129	49483	22.091	ug/l	99
61) 1,2-Dibromoethane	9.67	107	51285	24.946	ug/l	99
64) Tetrachloroethene	9.33	164	43335	28.892	ug/l	97
65) Chlorobenzene	10.14	112	126981	24.273	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	46473	22.014	ug/l	99
67) Ethyl Benzene	10.25	91	234978	25.938	ug/l	100
68) m/p-Xylenes	10.36	106	172968	52.142	ug/l	99
69) o-Xylene	10.70	106	84678	25.165	ug/l	100
70) Styrene	10.71	104	141728	23.970	ug/l	99
71) Bromoform	10.85	173	31754	20.392	ug/l #	100
73) Isopropylbenzene	11.01	105	228513	25.363	ug/l	100
74) N-amyl acetate	10.89	43	107400	22.588	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	74094	21.558	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	74413m	23.059	ug/l	
77) Bromobenzene	11.25	156	50901	23.476	ug/l	99
78) n-propylbenzene	11.35	91	255029	25.392	ug/l	99
79) 2-Chlorotoluene	11.42	91	156583	24.063	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	191659	25.029	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	24897	22.664	ug/l	93
82) 4-Chlorotoluene	11.51	91	179935	24.118	ug/l	100
83) tert-Butylbenzene	11.77	119	182282	22.626	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	193748	24.685	ug/l	99
85) sec-Butylbenzene	11.94	105	214410	23.929	ug/l	99
86) p-Isopropyltoluene	12.06	119	194717	23.698	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	92584	22.823	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	93580	22.507	ug/l	100
89) n-Butylbenzene	12.39	91	166017	22.697	ug/l	99
90) Hexachloroethane	12.59	117	32919	22.086	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	92578	22.022	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	18351	20.677	ug/l	99

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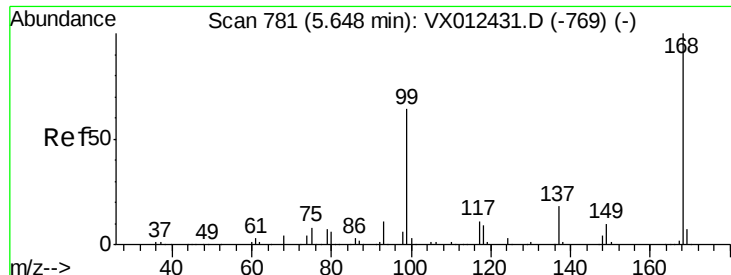
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	54703	20.498	ug/l	99
94) Hexachlorobutadiene	13.78	225	23816	19.084	ug/l	97
95) Naphthalene	13.83	128	210073	21.968	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	55920	20.544	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 194526

Ion Ratio Lower Upper

168 100

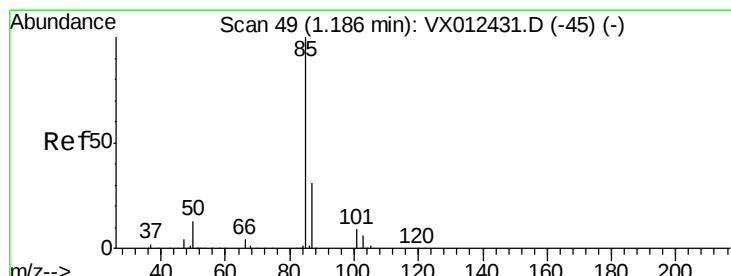
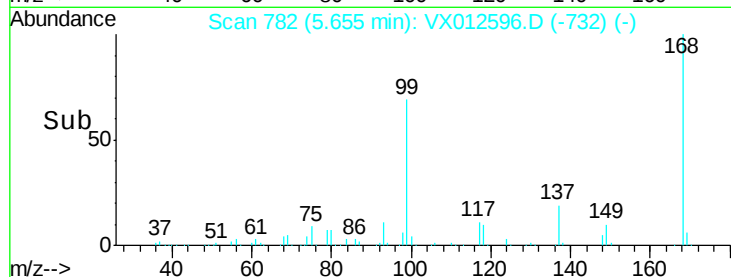
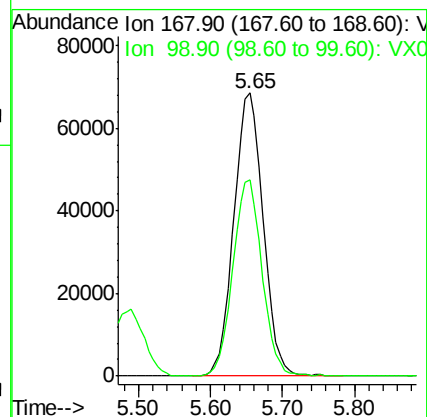
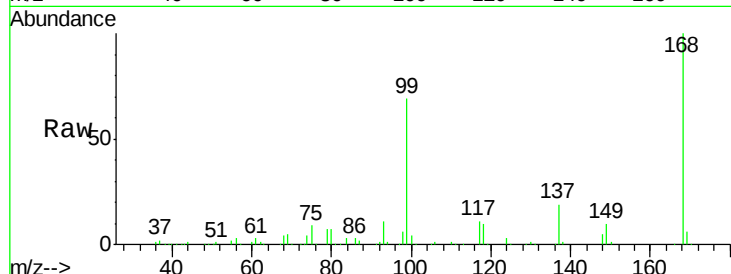
99 69.3 53.3 79.9

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#2

Dichlorodifluoromethane

Concen: 32.660 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX012596.D

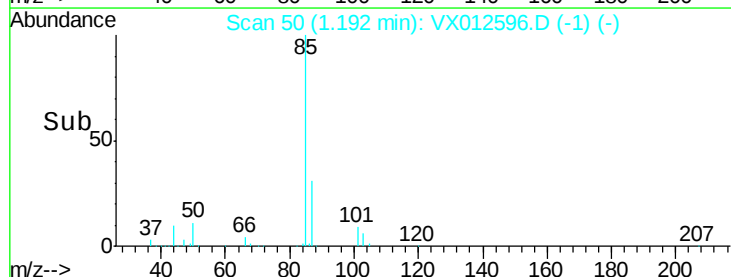
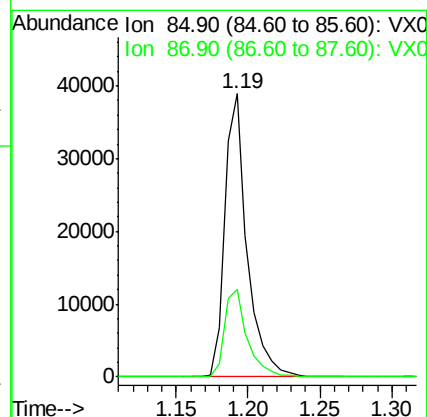
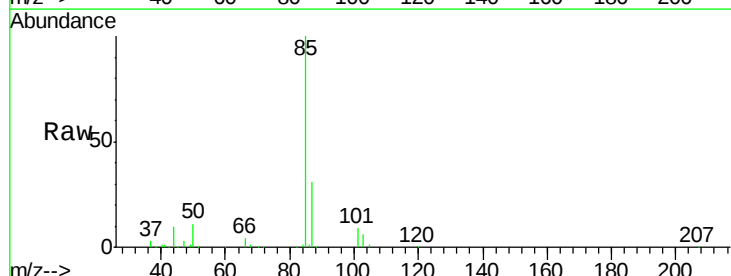
Acq: 23 Sep 2019 10:56

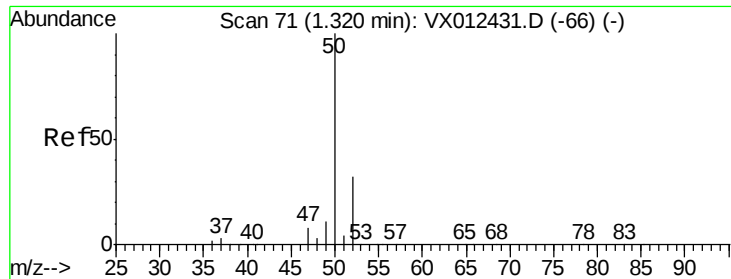
Tgt Ion: 85 Resp: 42213

Ion Ratio Lower Upper

85 100

87 31.1 16.5 49.5





#3

Chloromethane

Concen: 39.105 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 49932

Ion Ratio Lower Upper

50 100

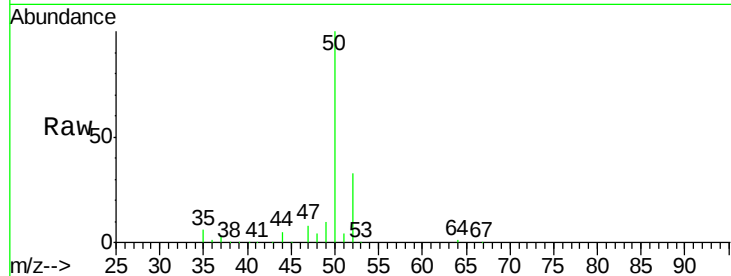
52 33.5 27.0 40.4

Manual Integrations

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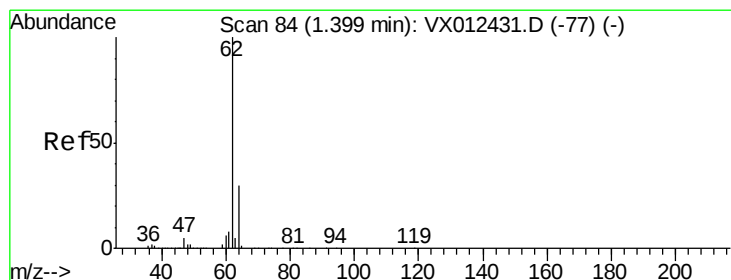
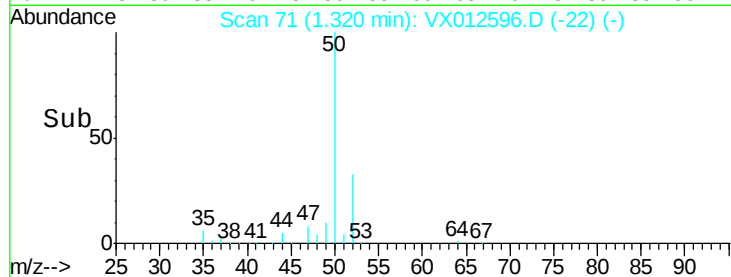
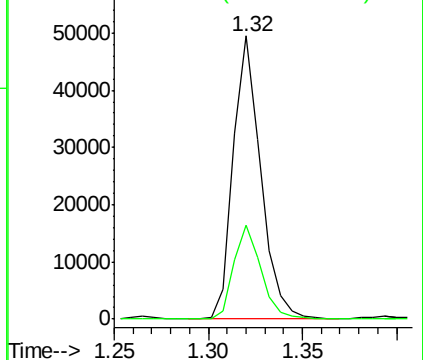
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 36.458 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012596.D

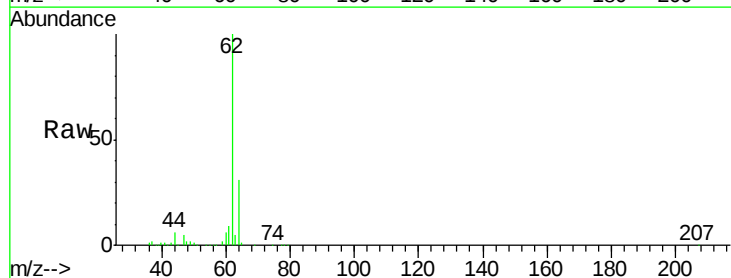
Acq: 23 Sep 2019 10:56

Tgt Ion: 62 Resp: 49162

Ion Ratio Lower Upper

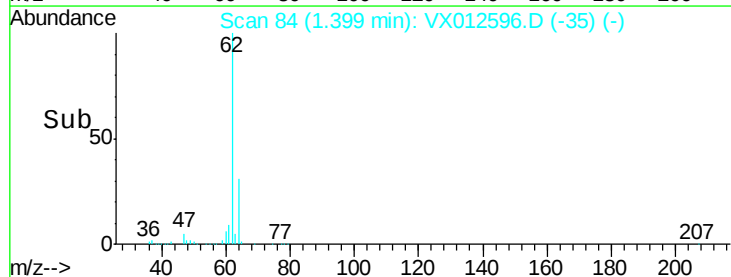
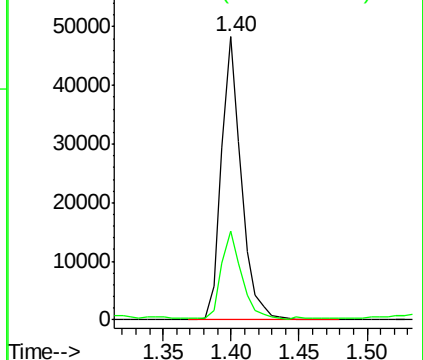
62 100

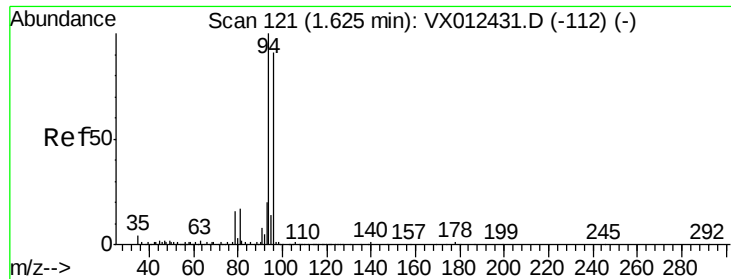
64 30.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.365 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 22893

Ion Ratio Lower Upper

94 100

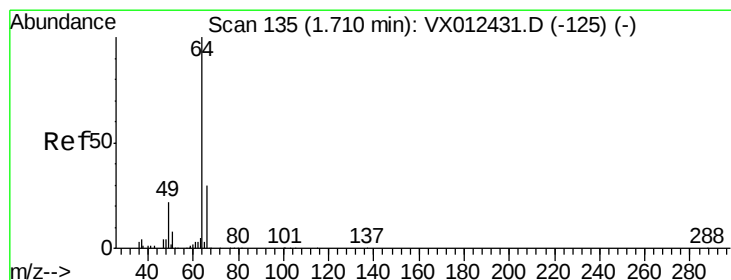
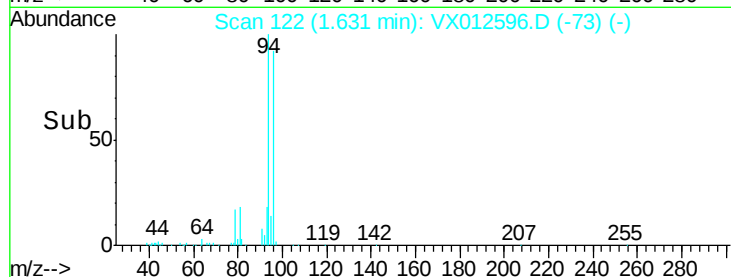
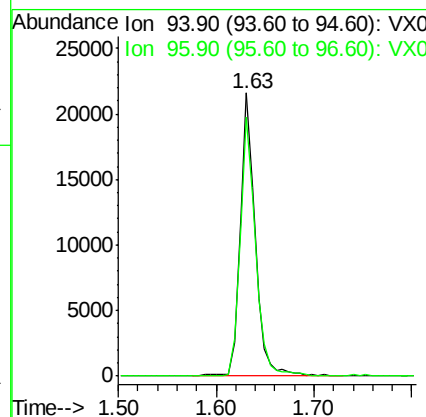
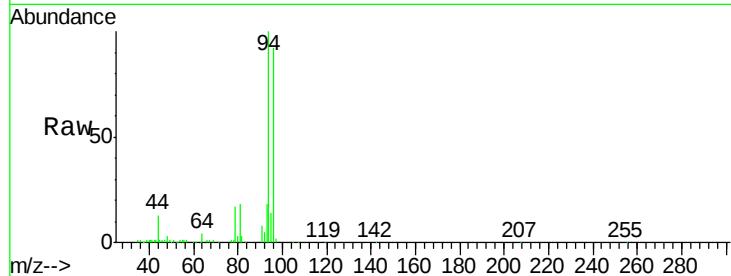
96 91.6 75.4 113.0

Manual Integrations

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#6

Chloroethane

Concen: 31.348 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012596.D

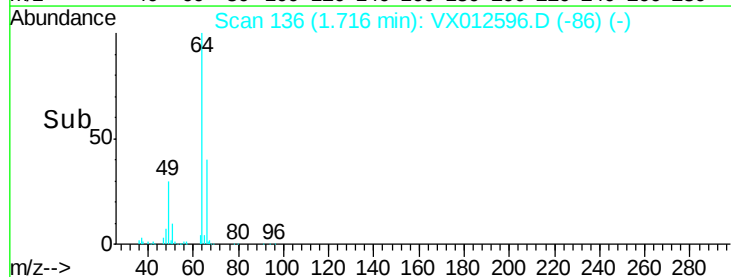
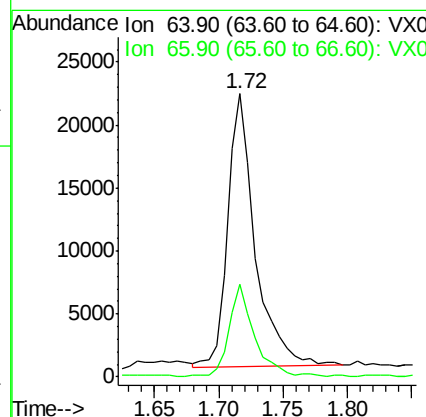
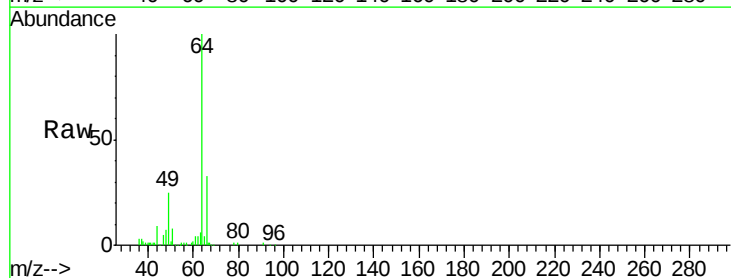
Acq: 23 Sep 2019 10:56

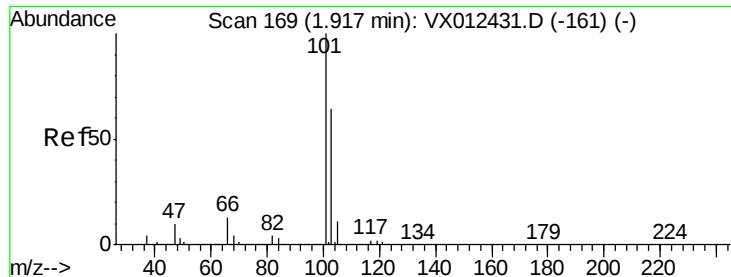
Tgt Ion: 64 Resp: 32518

Ion Ratio Lower Upper

64 100

66 33.3 24.6 37.0





#7

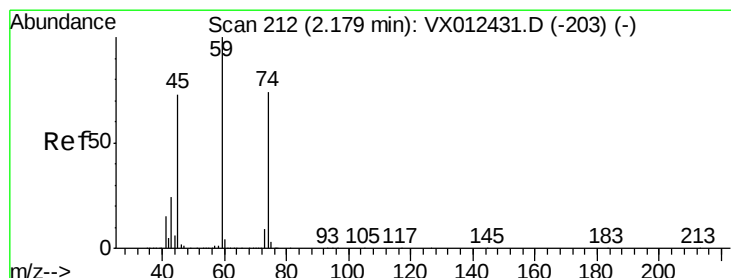
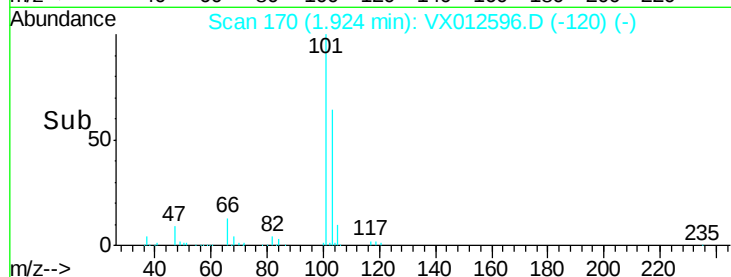
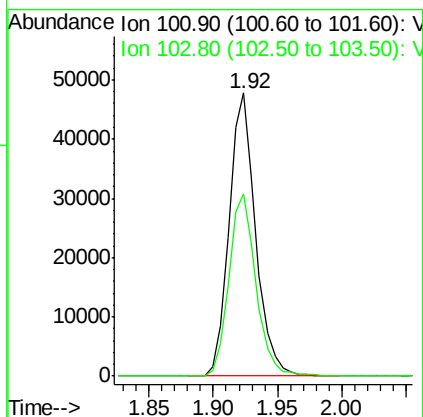
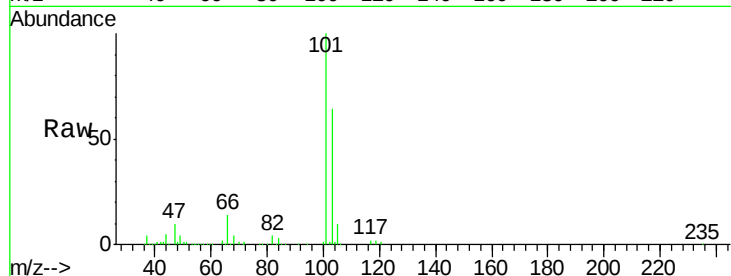
Trichlorofluoromethane
Concen: 30.039 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

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VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	68756		
103	64.3		51.7	77.5

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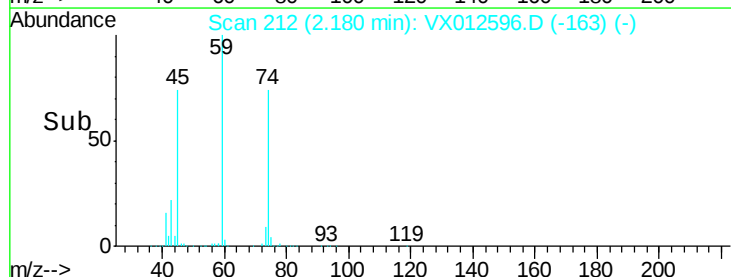
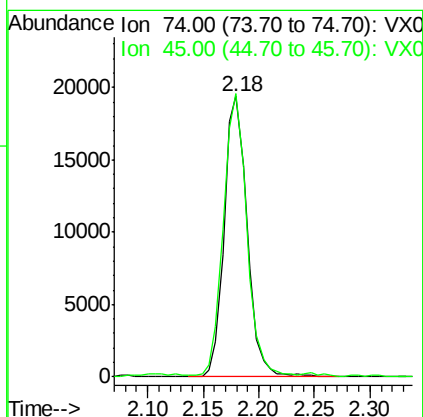
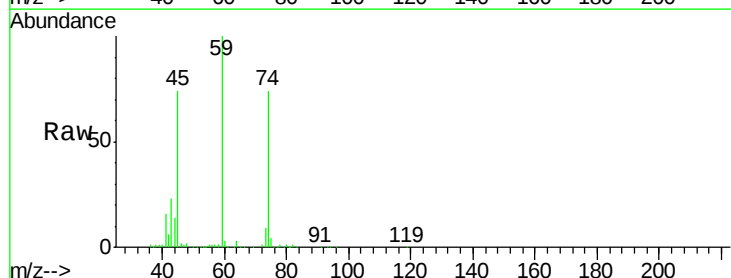
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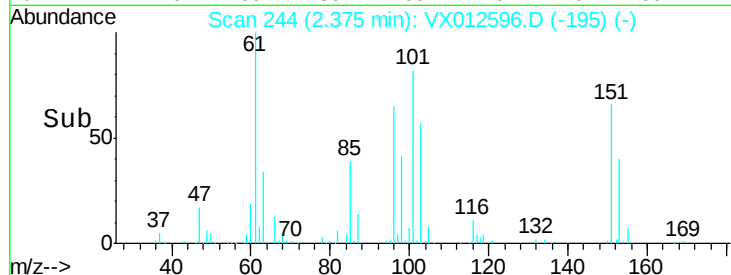
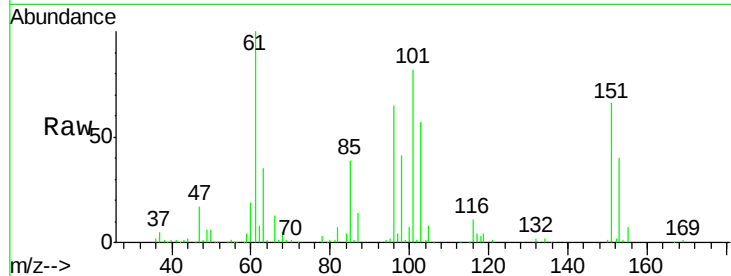
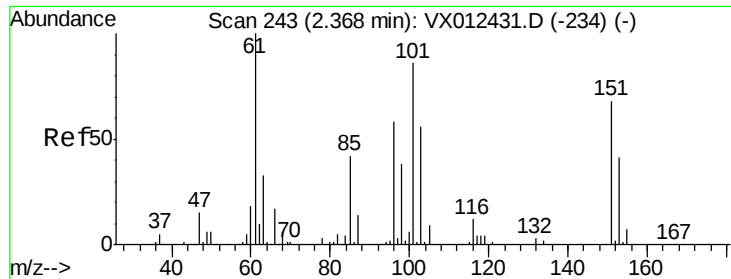


#8

Diethyl Ether
Concen: 27.290 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012596.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	27773		
45	101.4		50.0	149.8





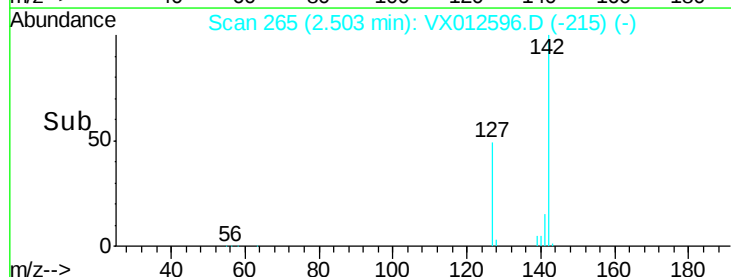
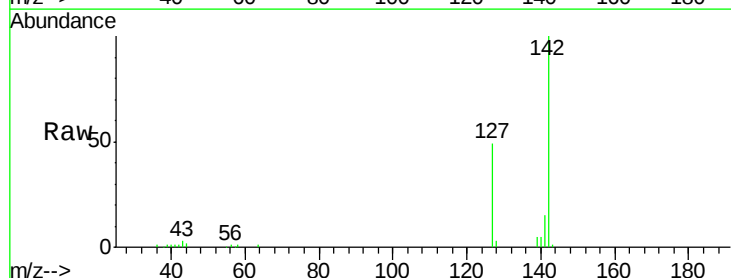
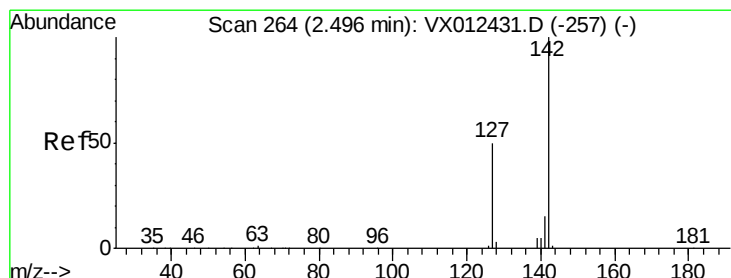
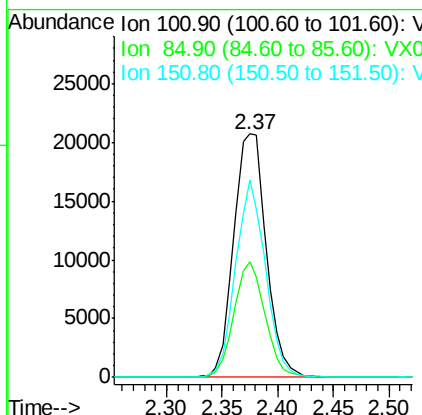
#9
1,1,2-Trichlorotrifluoroethane
Concen: 26.120 ug/l
RT: 2.37 min Scan# 244
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tot Ion	Ratio	Resp	Lower	Upper
101	100	42061		
85	45.2	35.8	53.6	
151	74.1	57.4	86.2	

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

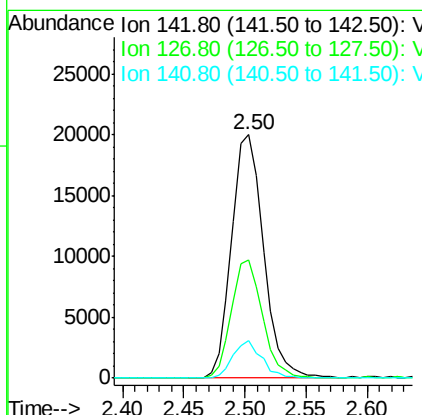
Manual Integrations
APPROVED

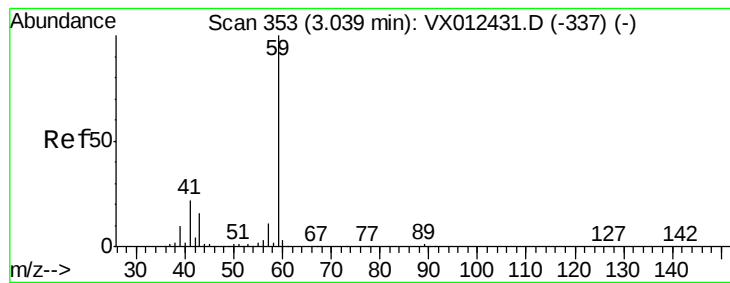
MMDadoda
9/24/2019 10:07:28 AM



#10
Methyl Iodide
Concen: 27.334 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	36254		
127	47.2	38.1	57.1	
141	13.8	11.4	17.0	





#11

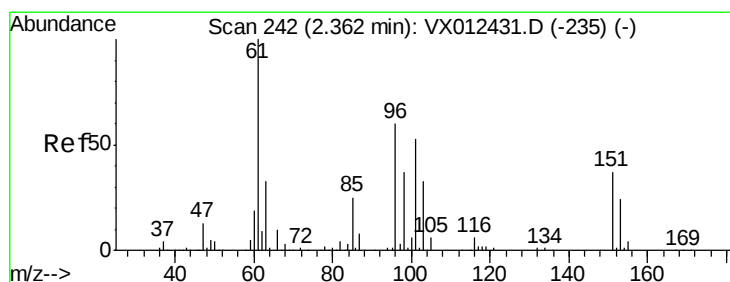
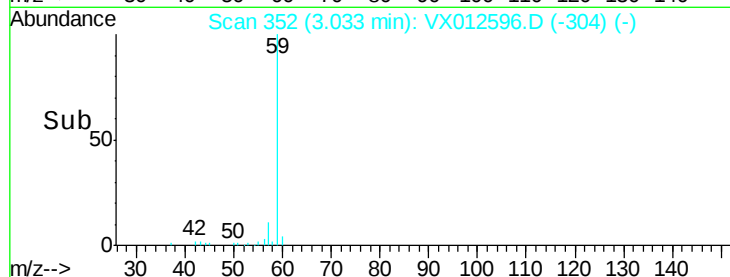
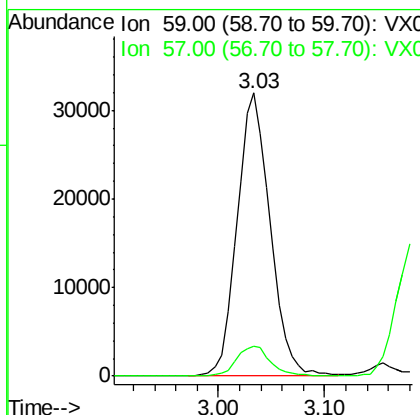
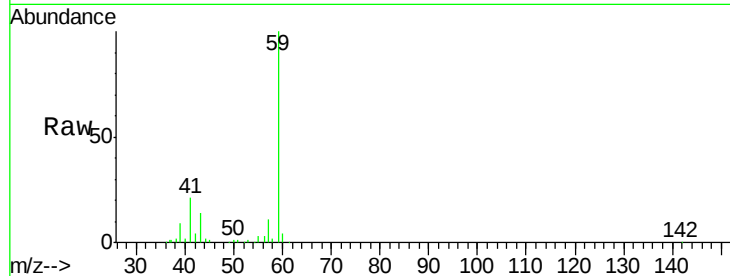
Tert butyl alcohol
 Concen: 93.751 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	59	Resp	69623
Ion Ratio	100	Lower	Upper
57	10.9	8.3	12.5

Manual Integrations
 APPROVED

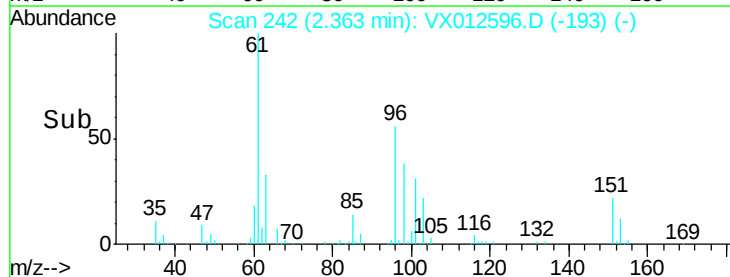
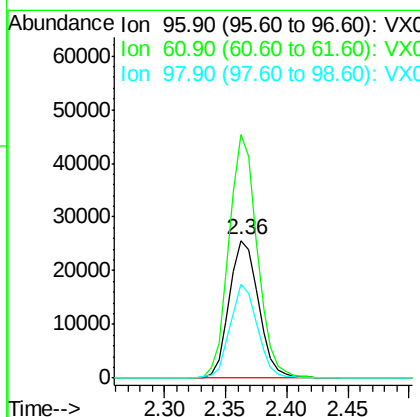
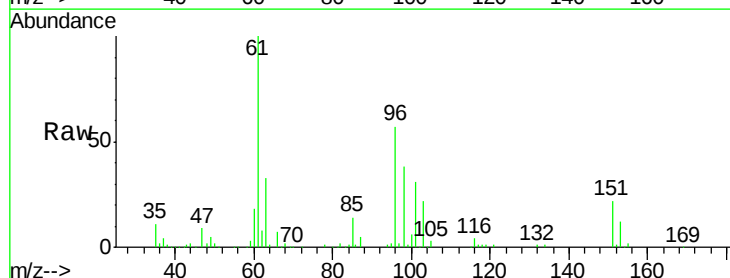
MMDadoda
 9/24/2019 10:07:28 AM

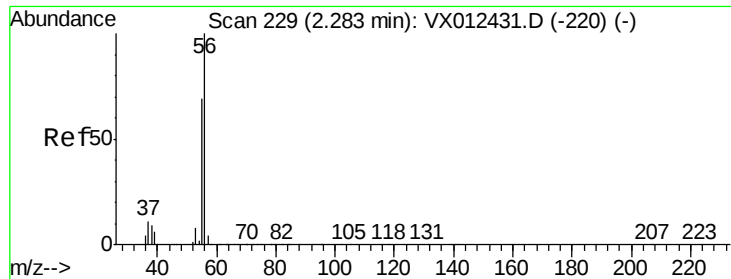


#12

1,1-Dichloroethene
 Concen: 31.357 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Tgt Ion	96	Resp	42479
Ion Ratio	100	Lower	Upper
61	176.5	133.4	200.0
98	67.6	48.8	73.2





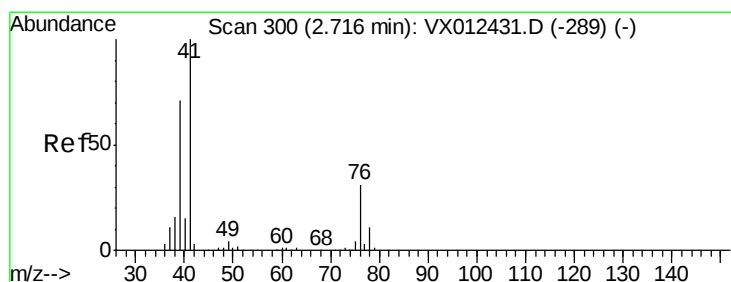
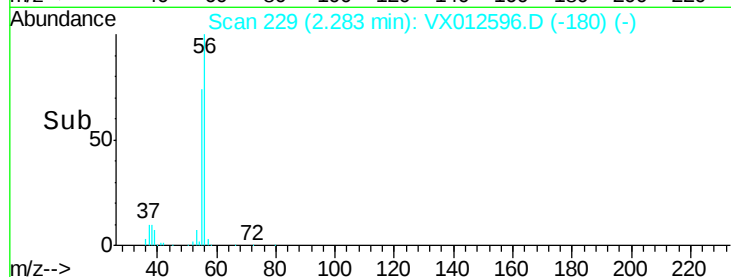
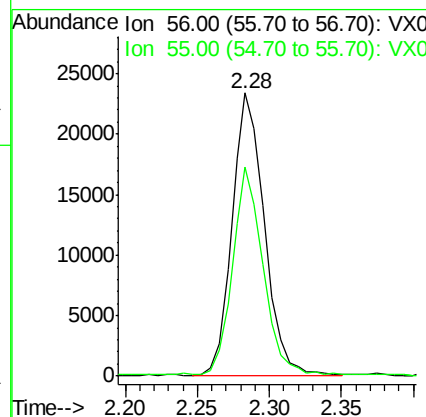
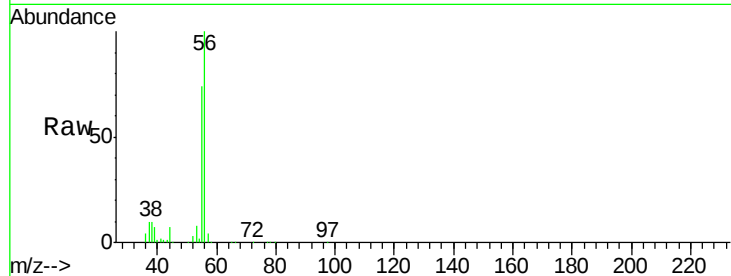
#13
Acrolein
Concen: 121.638 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	36478
Ion Ratio	100	Lower	Upper
55	70.2	56.2	84.4

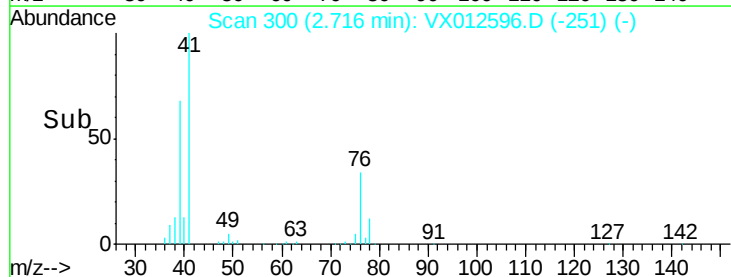
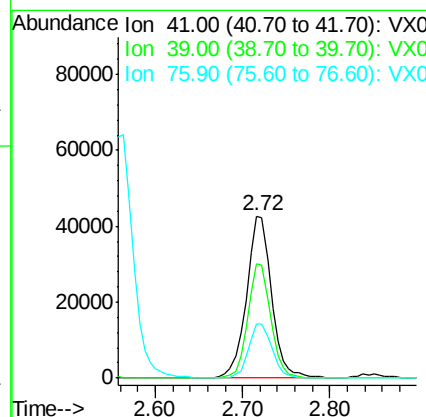
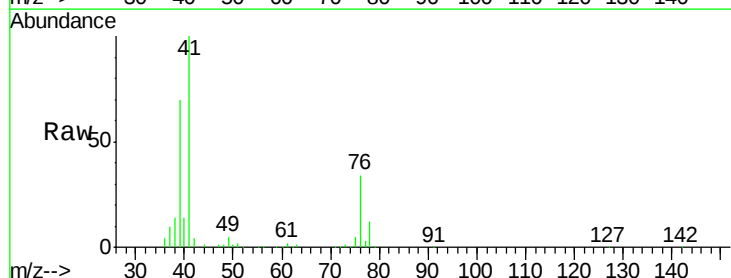
Manual Integrations
APPROVED

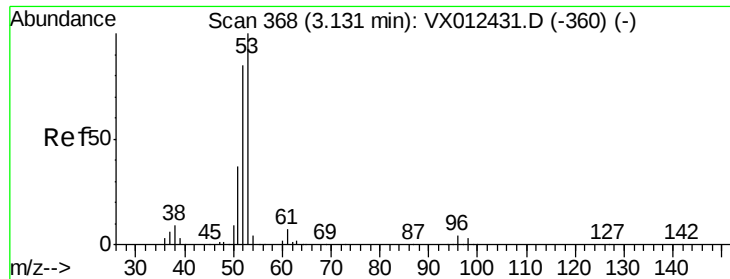
MMDadoda
9/24/2019 10:07:28 AM



#14
Allyl chloride
Concen: 28.192 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion	41	Resp	85073
Ion Ratio	100	Lower	Upper
39	64.5	52.1	78.1
76	31.2	25.0	37.6





#15

Acrylonitrile

Concen: 117.509 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

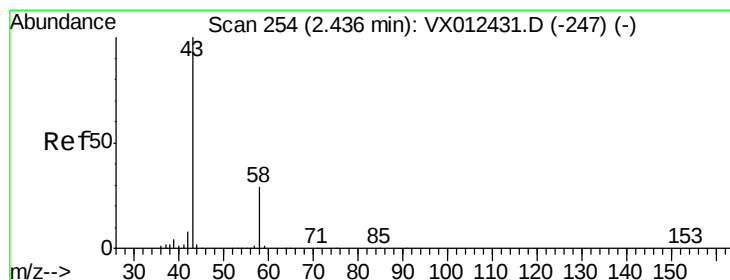
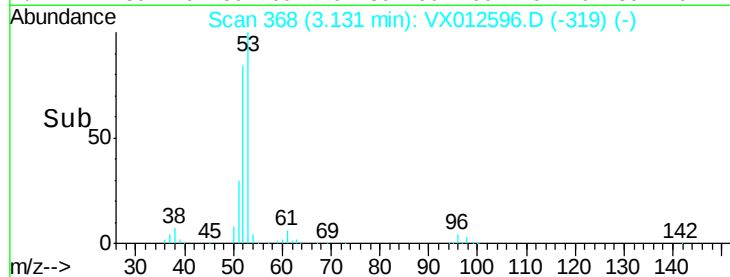
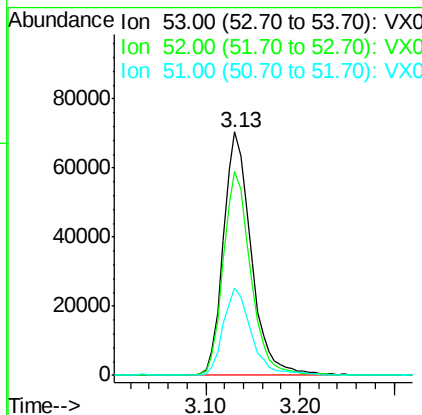
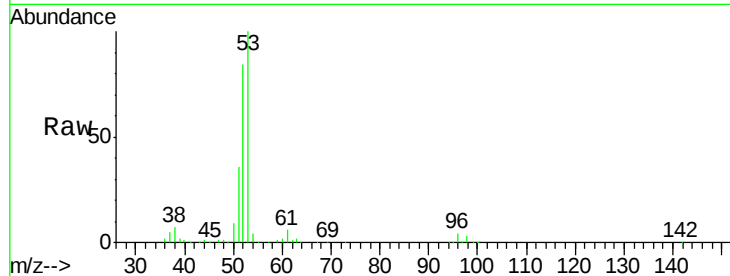
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	144911
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.1	99.1
51	36.2	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 115.296 ug/l

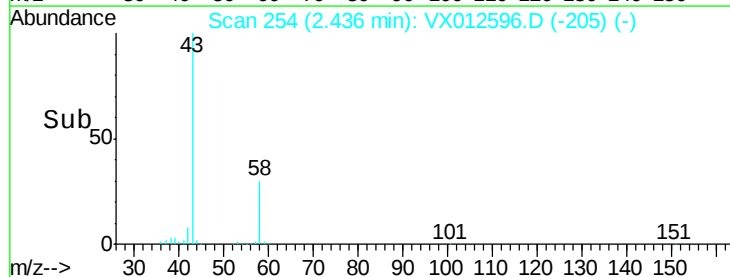
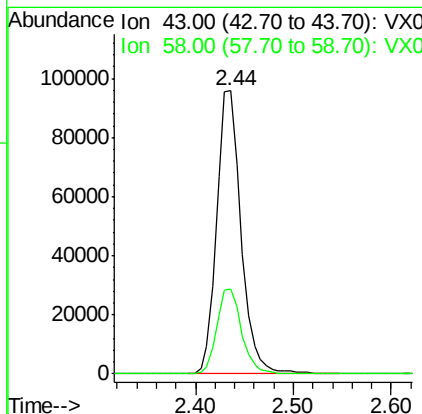
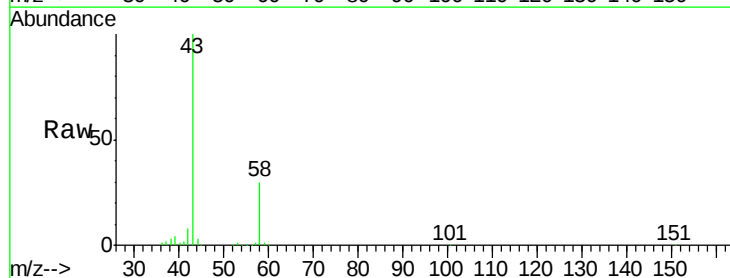
RT: 2.44 min Scan# 254

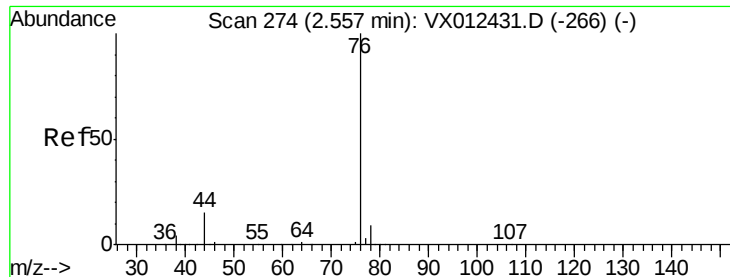
Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Tgt Ion:	43	Resp:	165174
Ion Ratio	Lower	Upper	
43	100		
58	30.2	24.3	36.5





#17

Carbon Disulfide

Concen: 53.179 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 114935

Ion Ratio Lower Upper

76 100

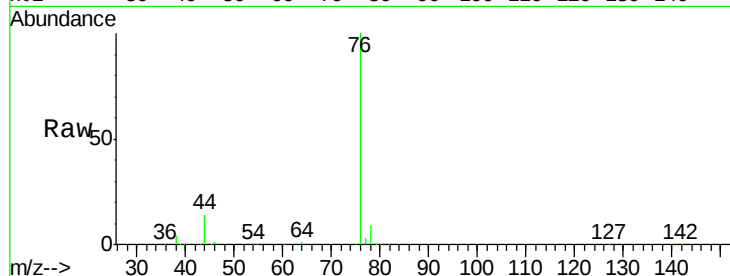
78 8.5 7.1 10.7

Manual Integrations

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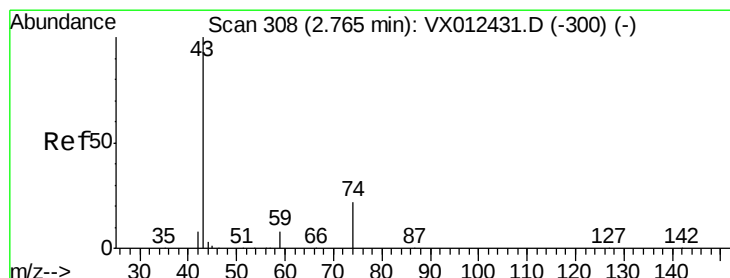
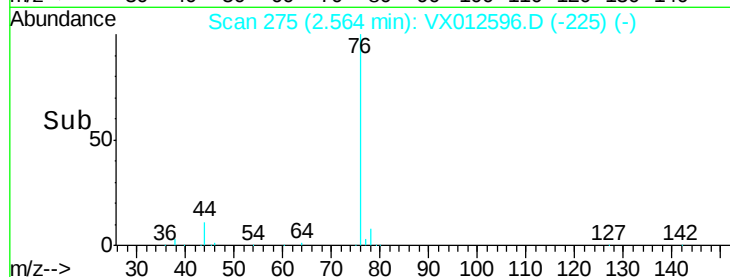
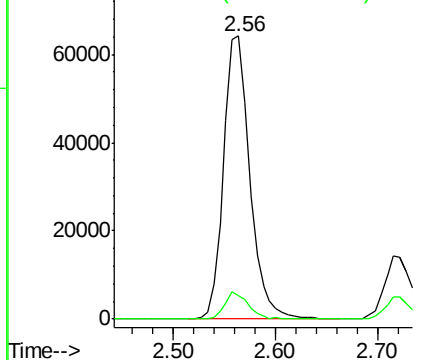
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 23.787 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012596.D

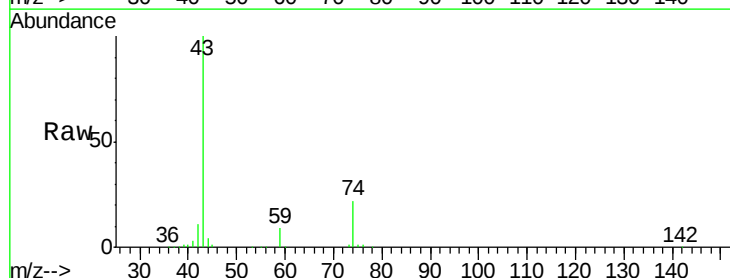
Acq: 23 Sep 2019 10:56

Tgt Ion: 43 Resp: 70465

Ion Ratio Lower Upper

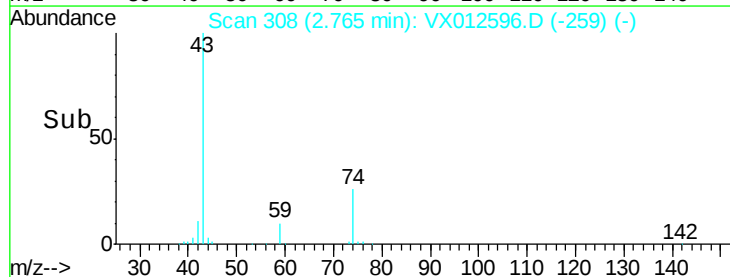
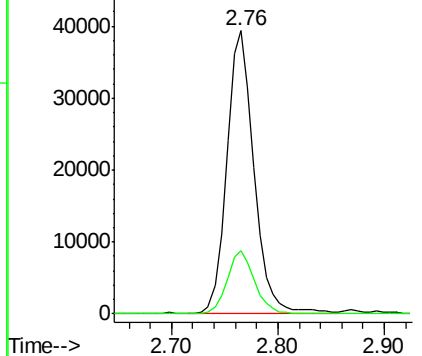
43 100

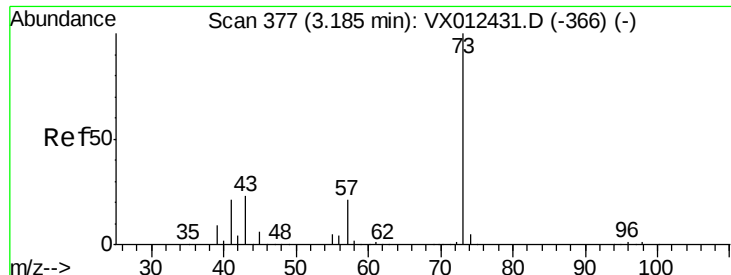
74 22.7 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





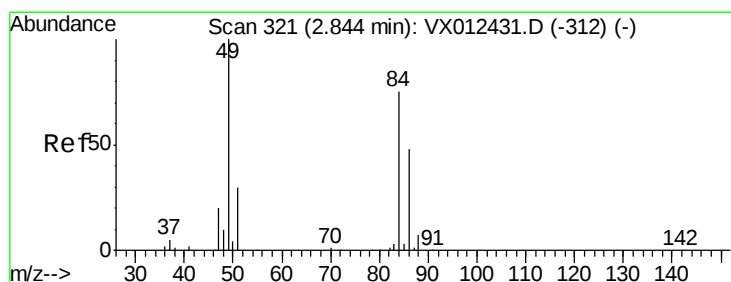
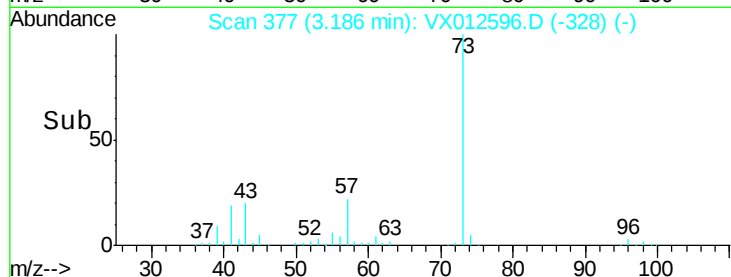
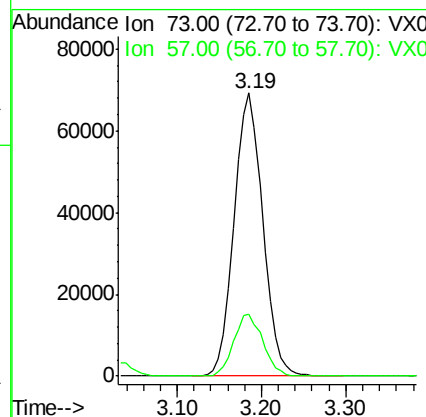
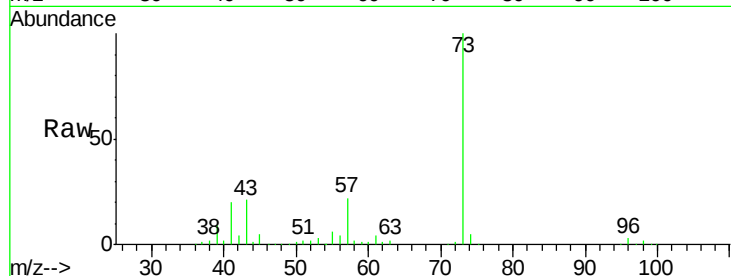
#19
Methyl tert-butyl Ether
Concen: 23.439 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.5	26.3

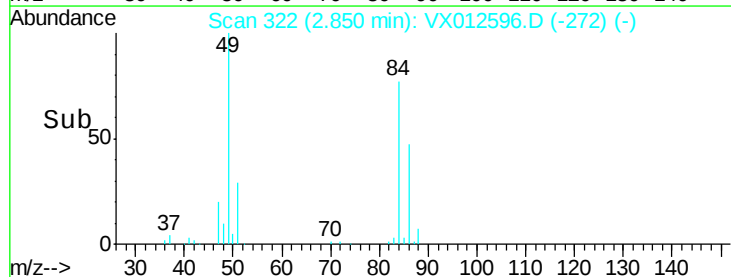
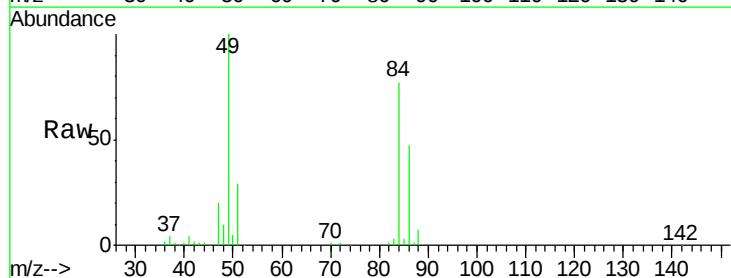
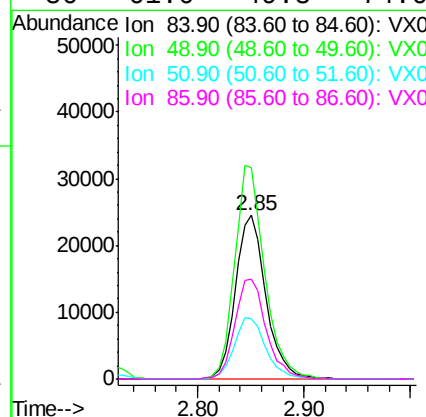
Manual Integrations
APPROVED

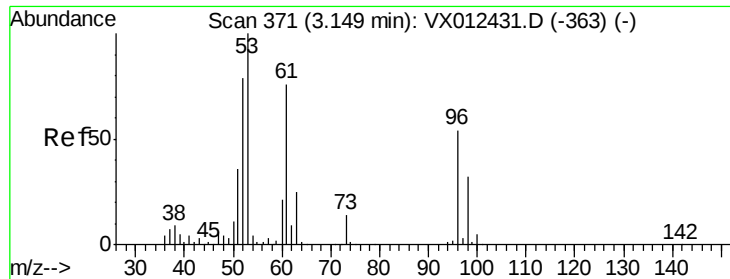
MMDadoda
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#20
Methylene Chloride
Concen: 27.318 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.4	99.3	148.9
51	37.2	30.4	45.6
86	61.0	49.8	74.6





#21

trans-1,2-Dichloroethene

Concen: 32.115 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 45541

Ion Ratio Lower Upper

96 100

61 144.4 115.7 173.5

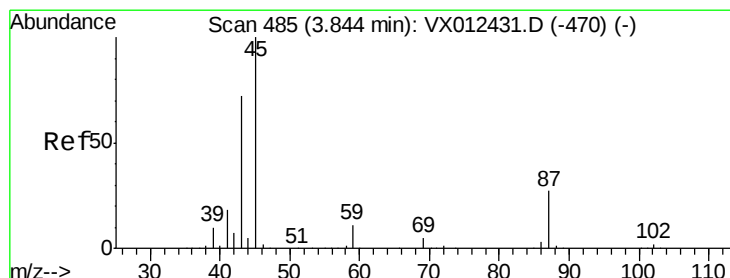
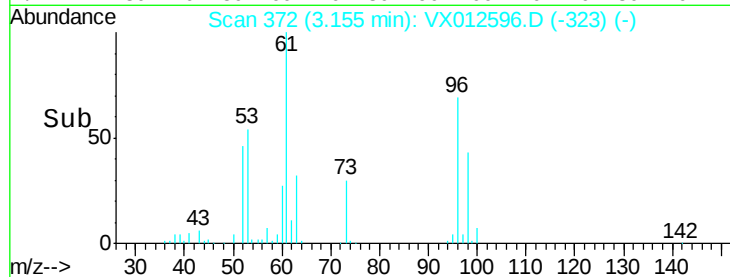
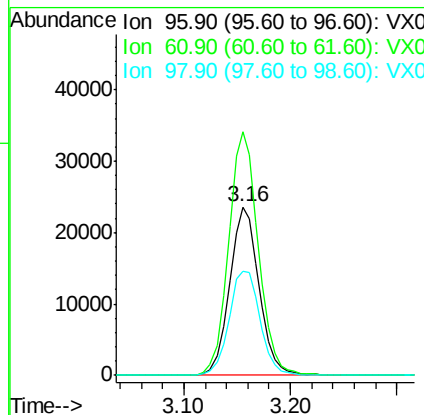
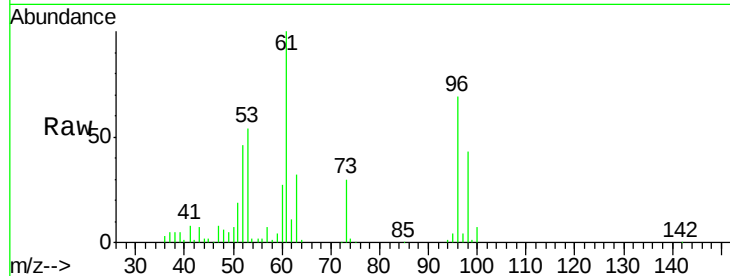
98 61.7 50.6 75.8

Manual Integrations

APPROVED

MMDadoda

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#22

Diisopropyl ether

Concen: 23.777 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Tgt Ion: 45 Resp: 162020

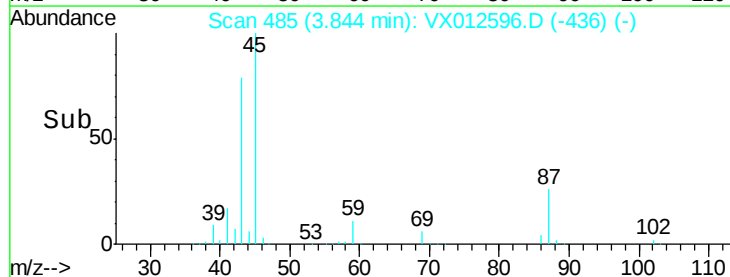
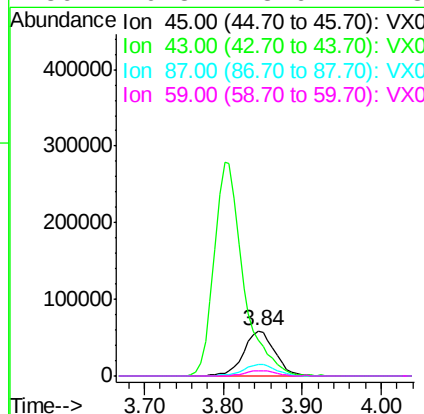
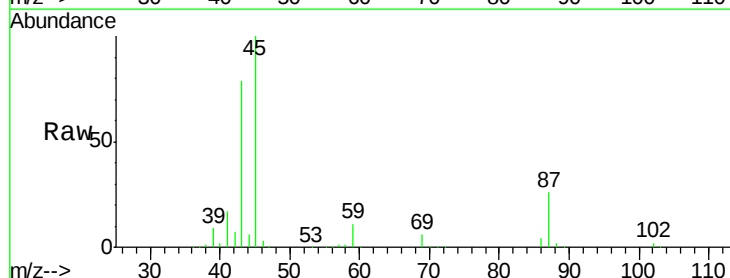
Ion Ratio Lower Upper

45 100

43 77.8 60.8 91.2

87 26.0 21.9 32.9

59 10.8 8.6 12.8





#23

Vinyl Acetate

Concen: 127.112 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 720032

Ion Ratio Lower Upper

43 100

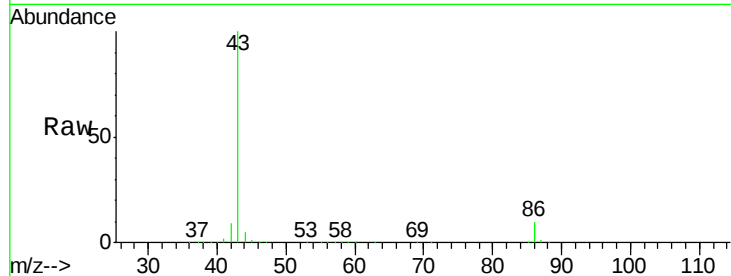
86 10.2 8.4 12.6

Manual Integrations

APPROVED

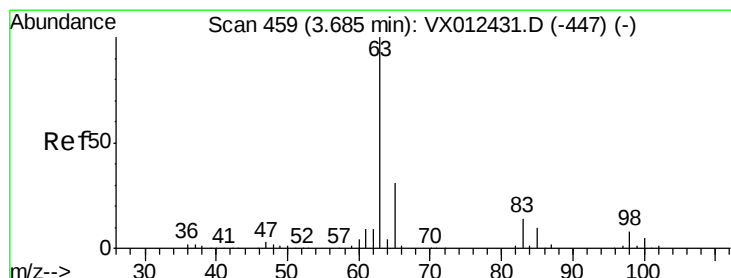
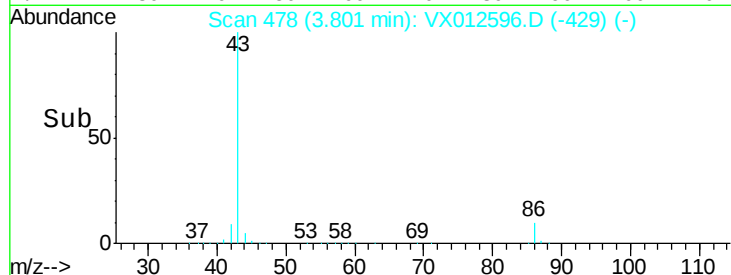
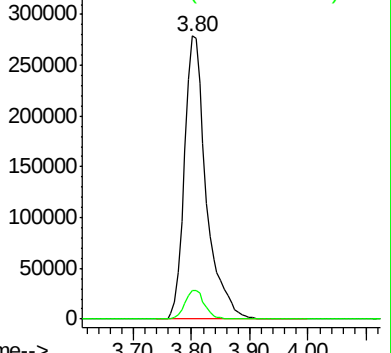
MMDadoda

9/24/2019 10:07:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 25.670 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

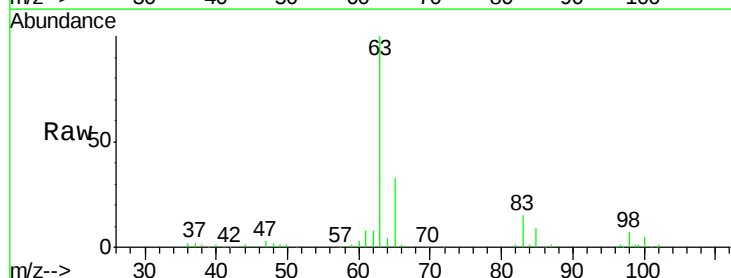
Tgt Ion: 63 Resp: 85672

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

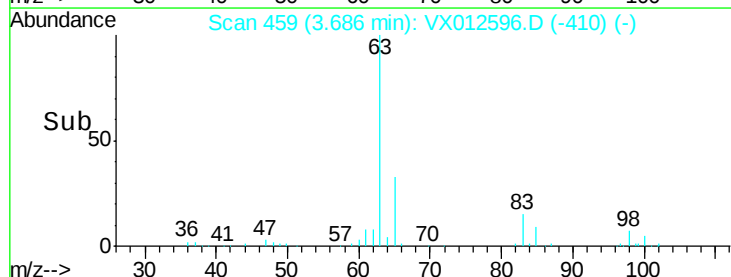
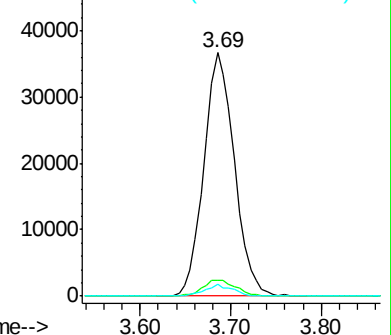
100 4.7 2.0 6.0

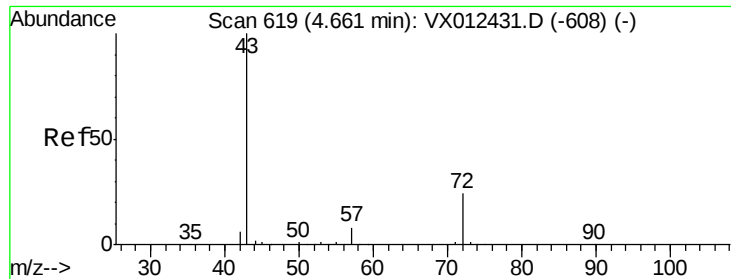


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 112.833 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 220925

Ion Ratio Lower Upper

43 100

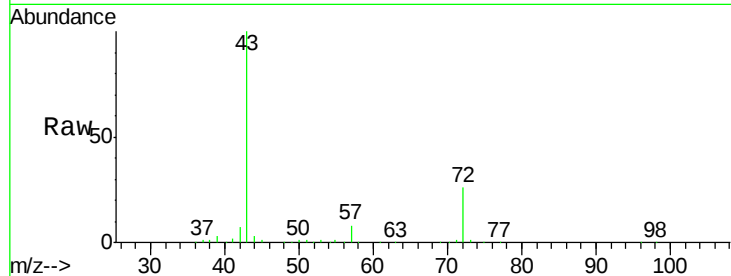
72 25.6 21.2 31.8

Manual Integrations

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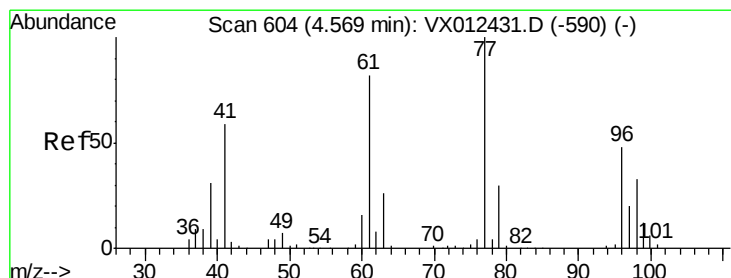
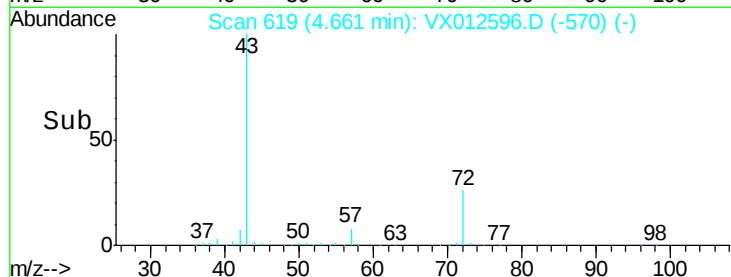
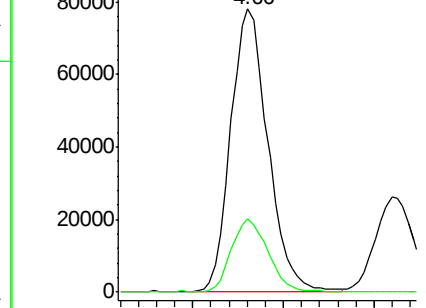
MMDadoda

9/24/2019 10:07:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 24.343 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX012596.D

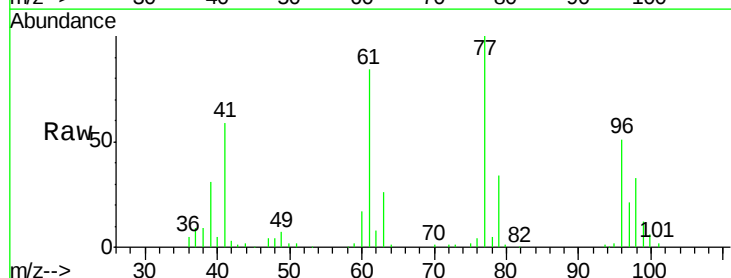
Acq: 23 Sep 2019 10:56

Tgt Ion: 77 Resp: 78450

Ion Ratio Lower Upper

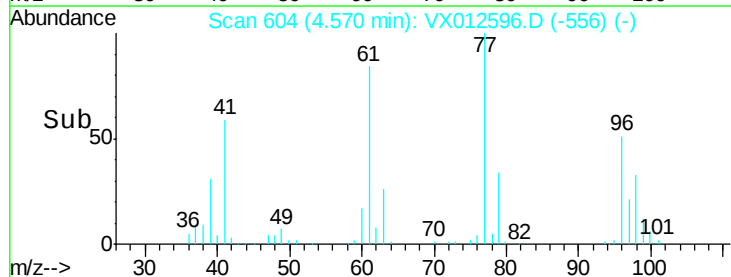
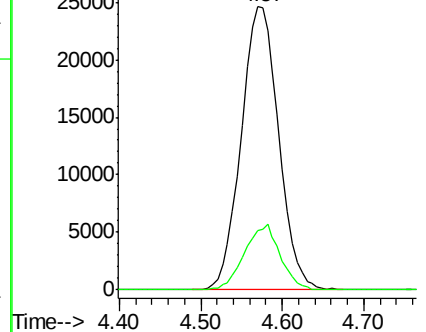
77 100

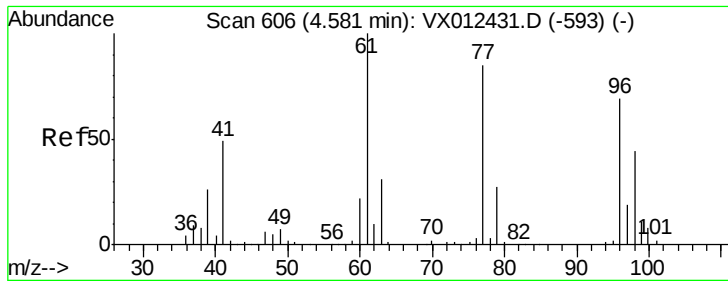
97 21.9 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

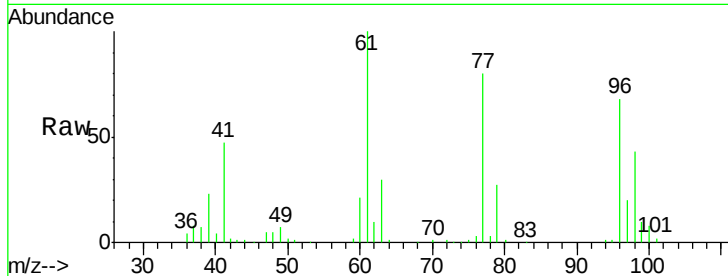
cis-1,2-Dichloroethene
Concen: 26.629 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	53368		
61	156.2	0.0	303.8	
98	64.5	0.0	127.6	

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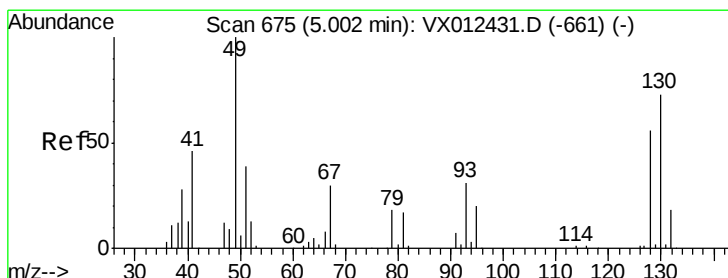
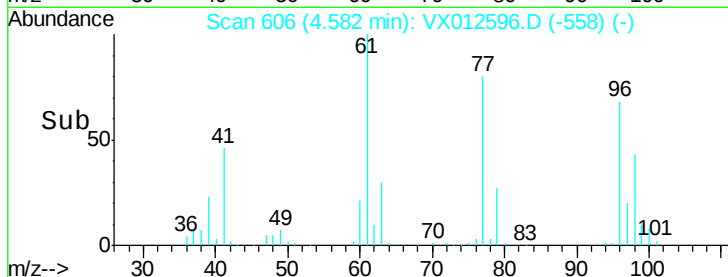
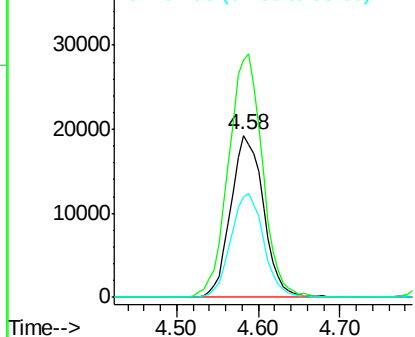


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

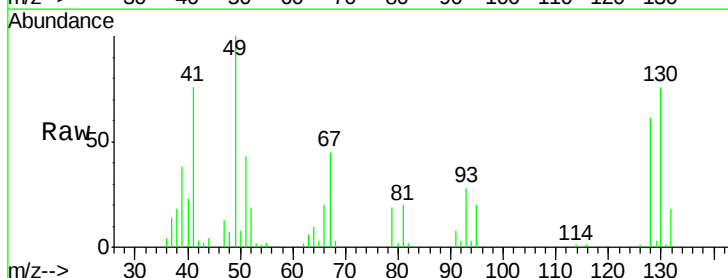
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 18.960 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	31065		
129	1.9	0.0	4.0	
130	72.5	57.0	85.6	

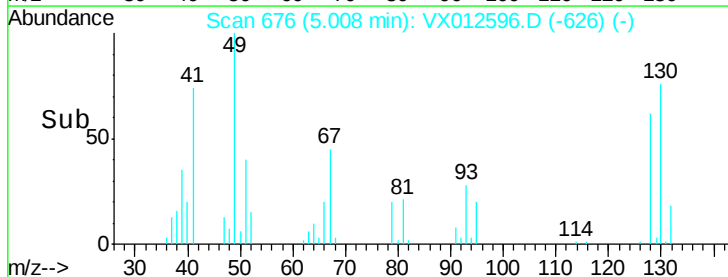
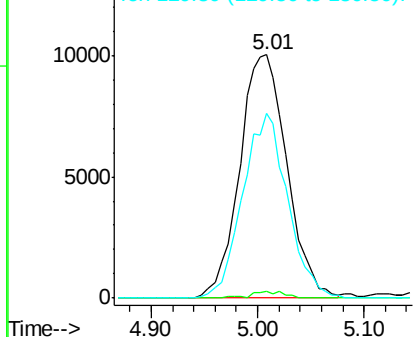


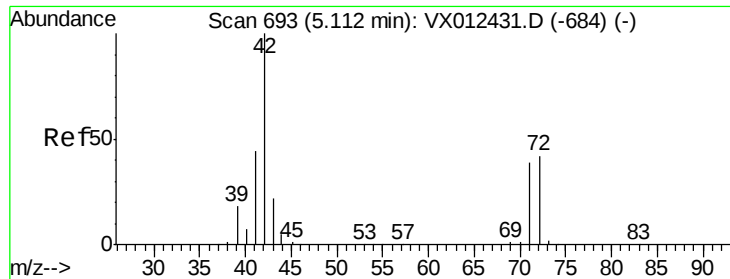
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





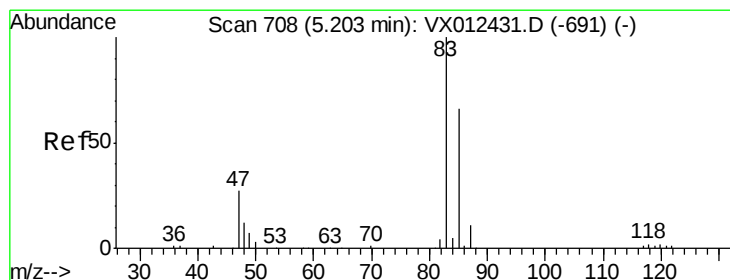
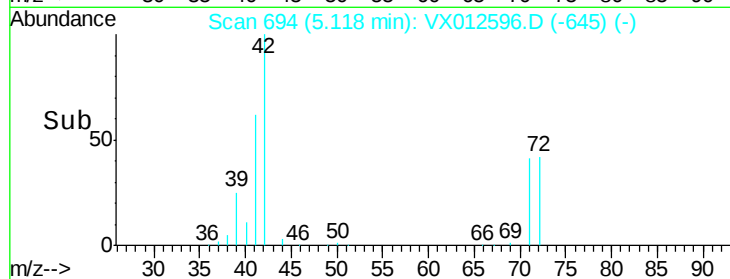
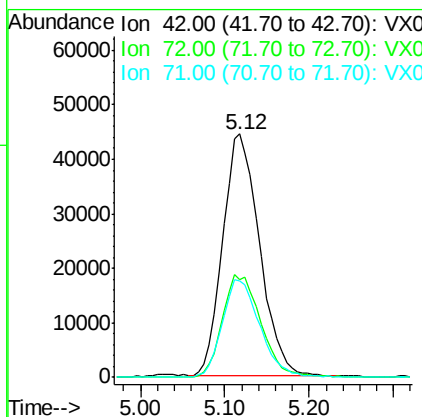
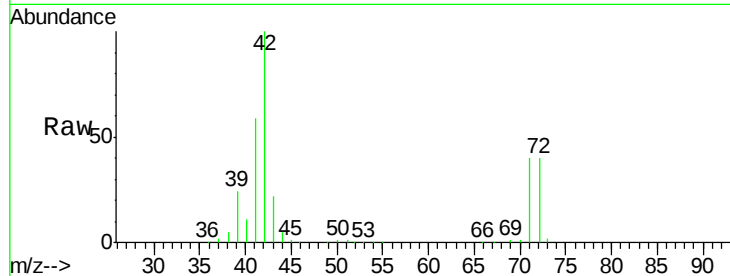
#29
Tetrahydrofuran
Concen: 120.888 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.6	51.8
71	41.3	32.6	48.8

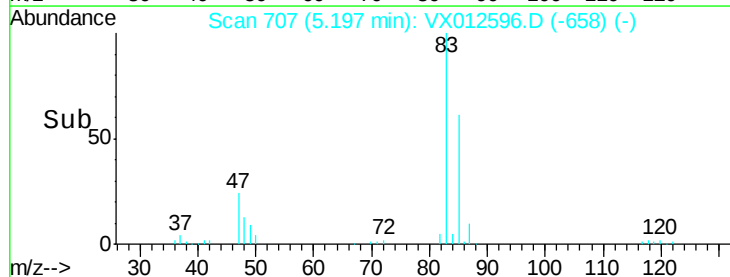
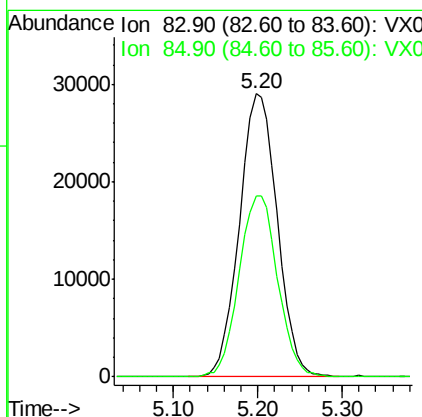
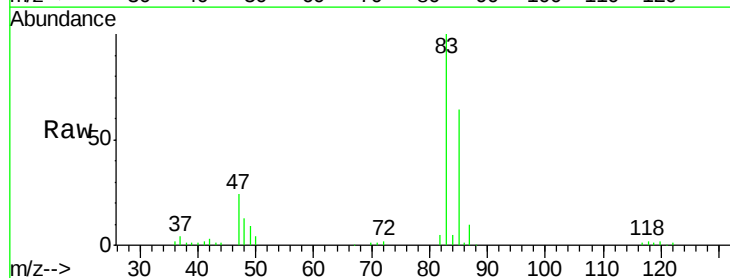
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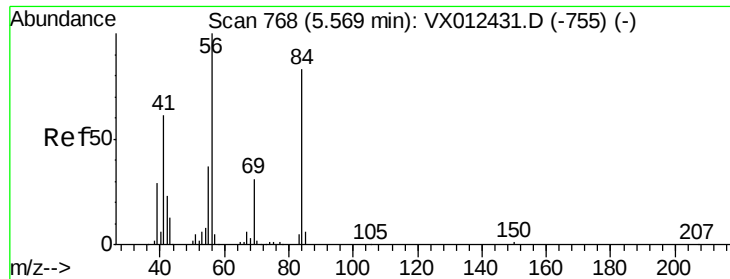
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#30
Chloroform
Concen: 23.561 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.6	78.8





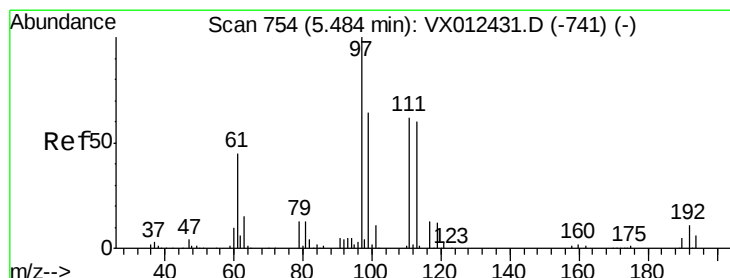
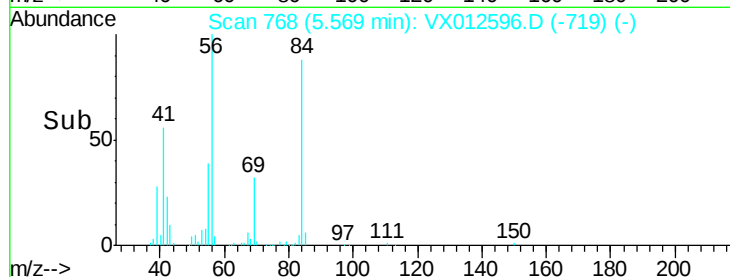
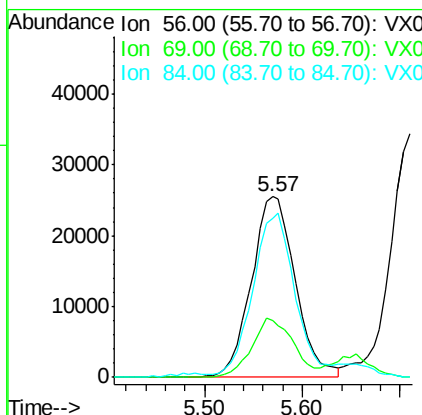
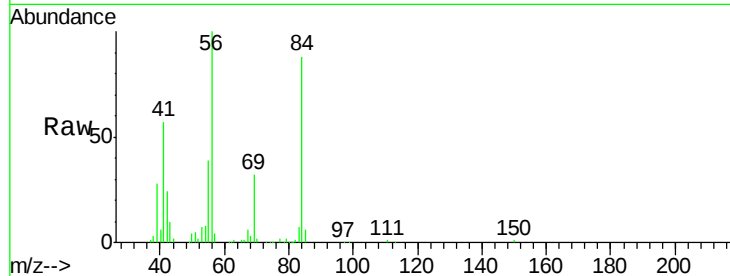
#31
Cyclohexane
Concen: 34.940 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.3	36.5
84	86.5	65.0	97.6

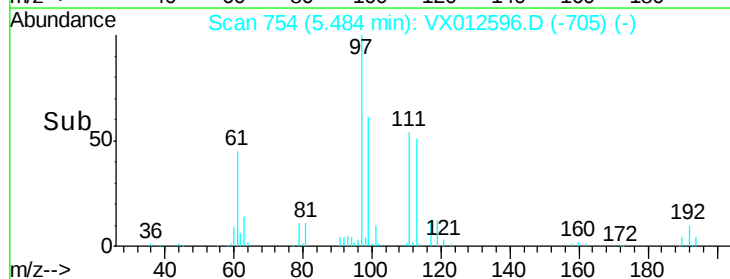
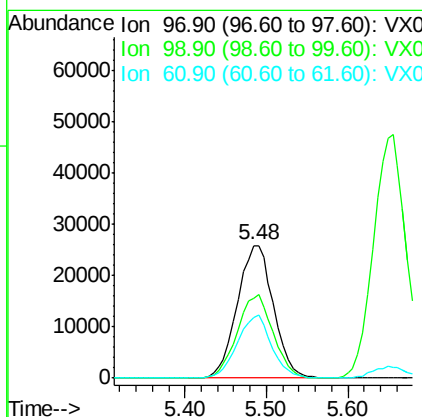
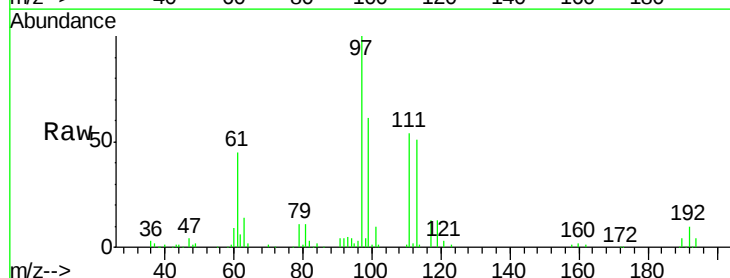
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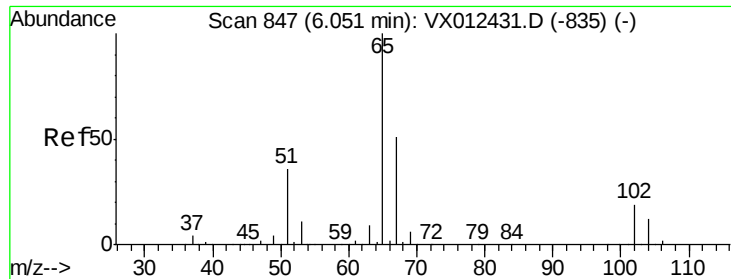
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#32
1,1,1-Trichloroethane
Concen: 25.131 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.3	76.9
61	45.2	35.5	53.3





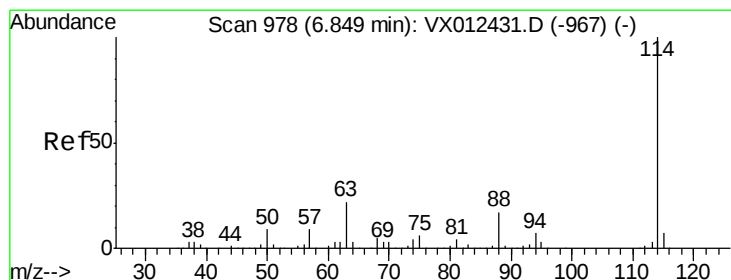
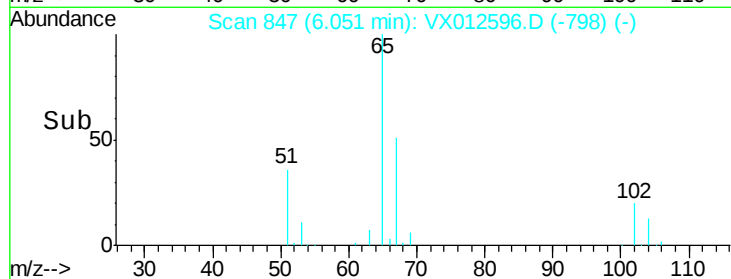
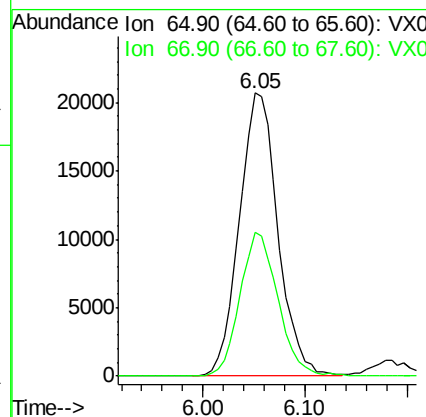
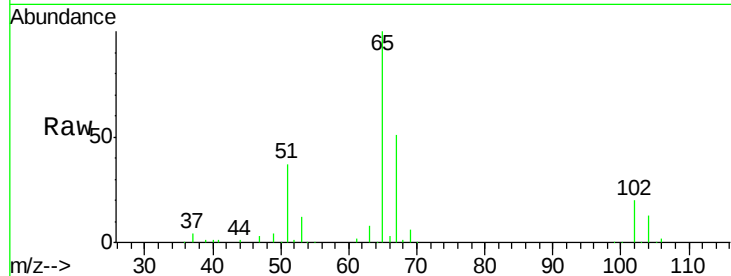
#33
 1,2-Dichloroethane-d4
 Concen: 19.236 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	103.0

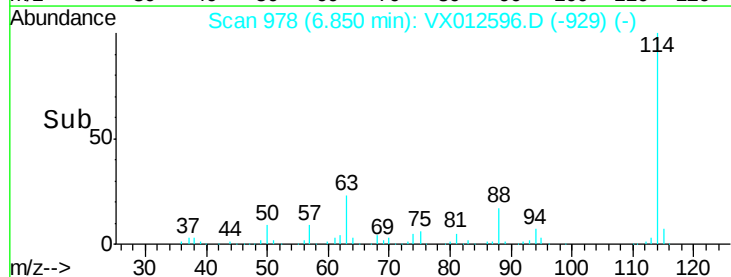
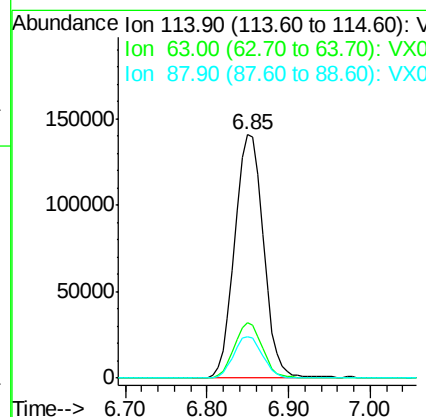
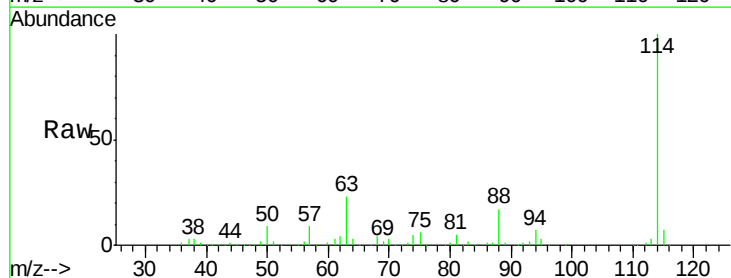
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	44.4
88	17.0	0.0	33.2





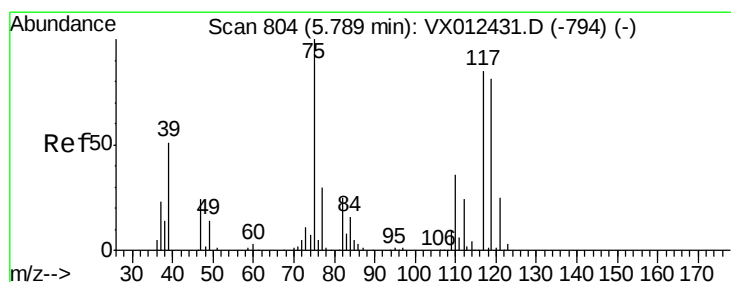
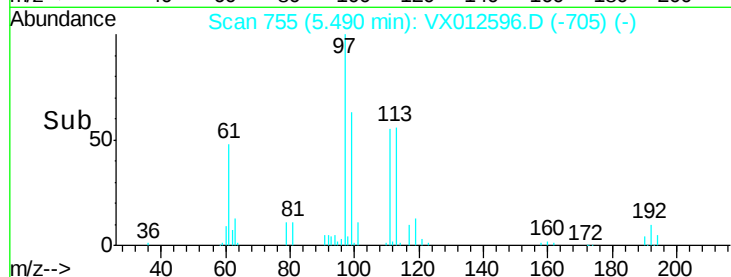
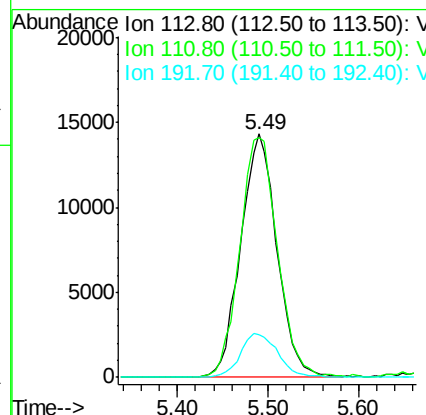
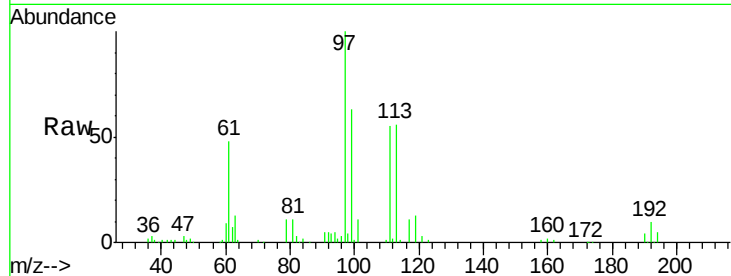
#35
 Dibromofluoromethane
 Concen: 18.986 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	39569		
111	102.7	81.8	122.6	
192	18.6	14.5	21.7	

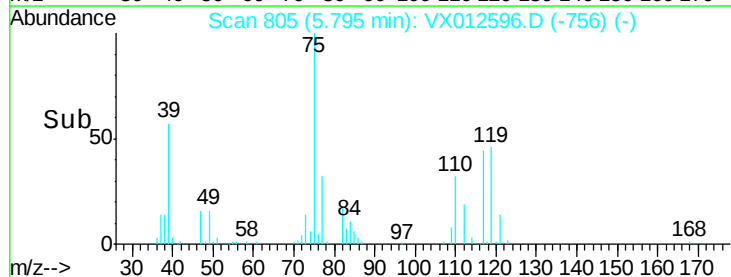
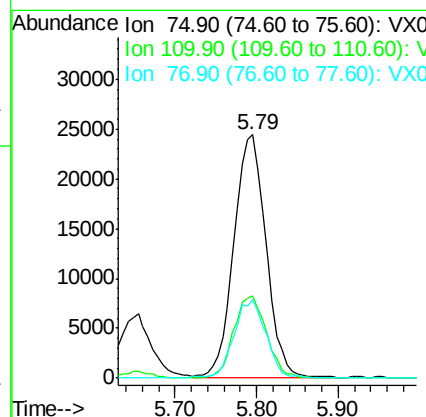
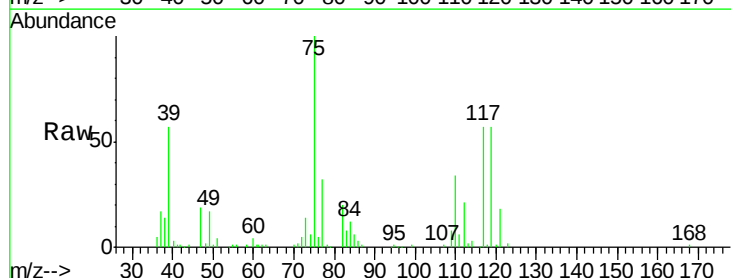
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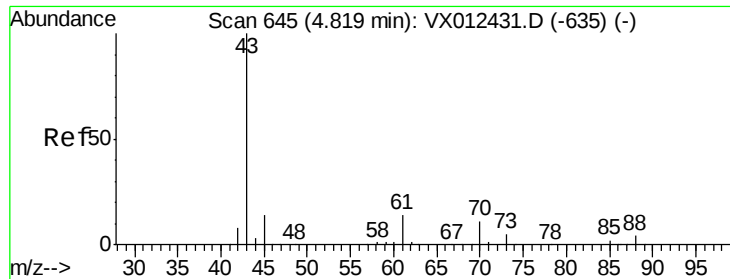
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#36
 1,1-Dichloropropene
 Concen: 29.936 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	66779		
110	34.3	17.6	52.8	
77	32.3	25.1	37.7	





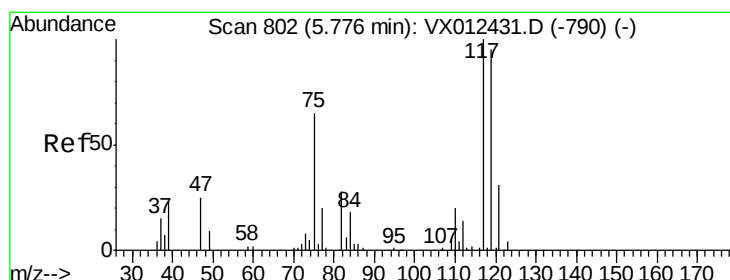
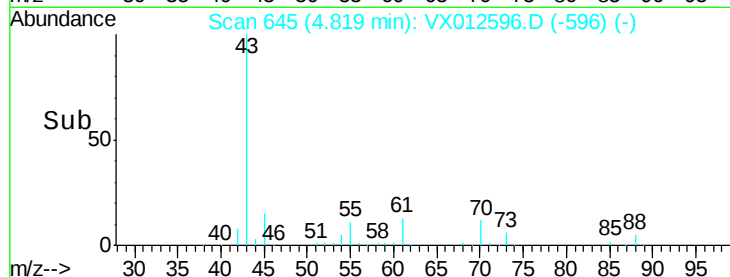
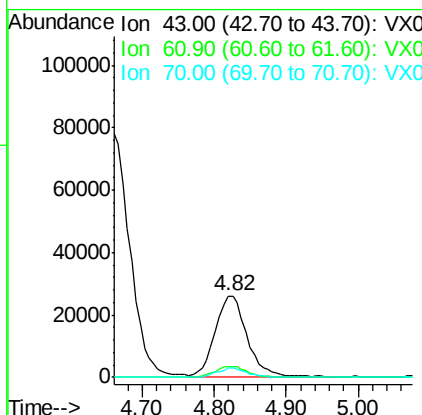
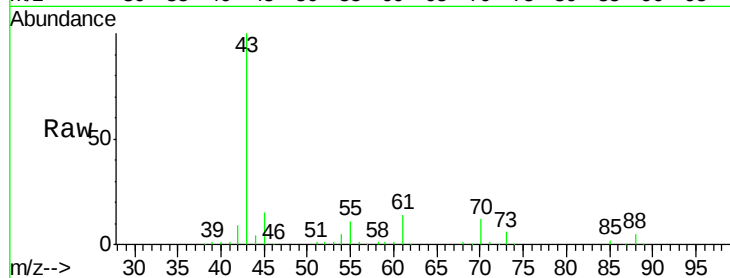
#37
Ethyl Acetate
Concen: 24.457 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	43	Resp	79178
Ion Ratio	100	Lower	Upper
43	100		
61	13.7	10.8	16.2
70	11.1	9.0	13.6

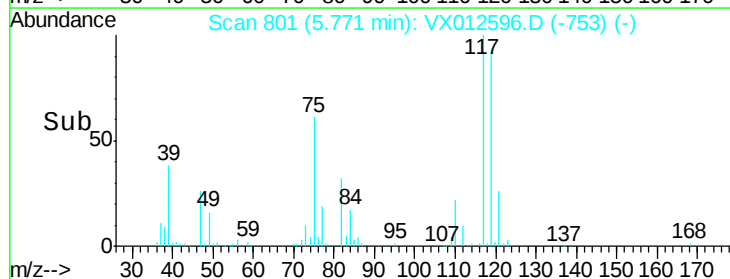
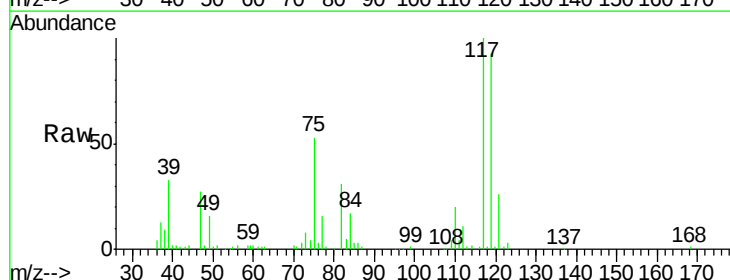
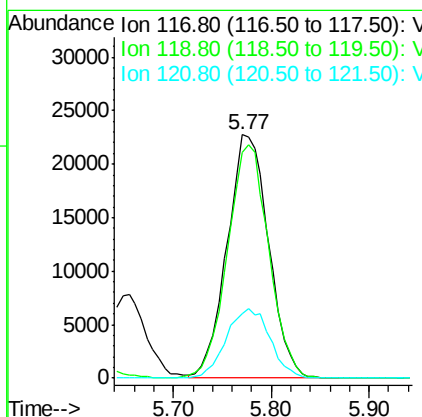
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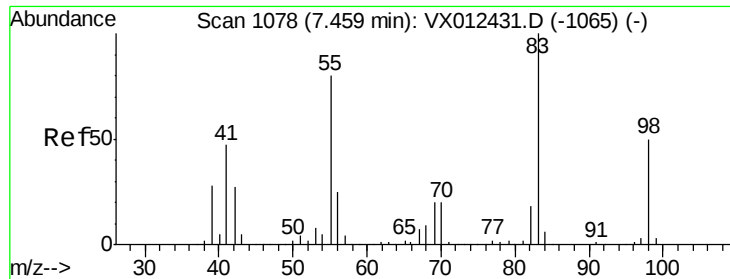
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#38
Carbon Tetrachloride
Concen: 25.045 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion	117	Resp	67065
Ion Ratio	100	Lower	Upper
117	100		
119	92.6	77.1	115.7
121	26.5	23.7	35.5





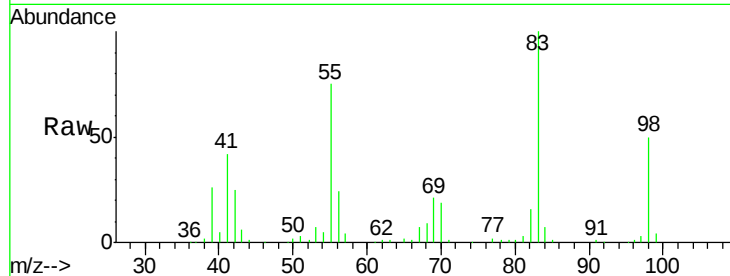
#39
Methvlcvclohexane
Concen: 34.508 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.1	65.6	98.4	
98	50.1	39.4	59.0	

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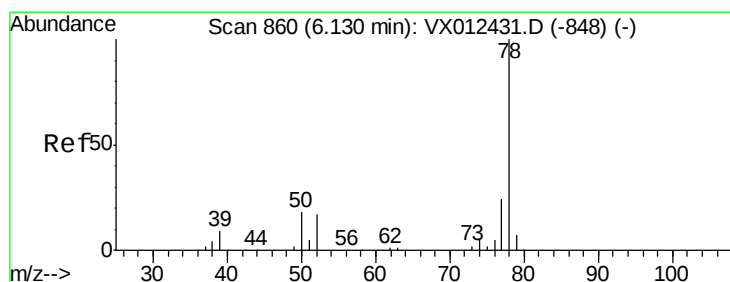
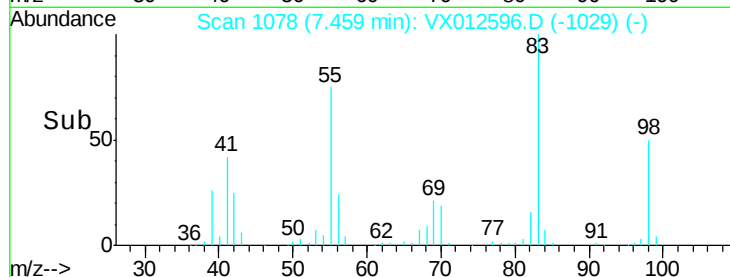
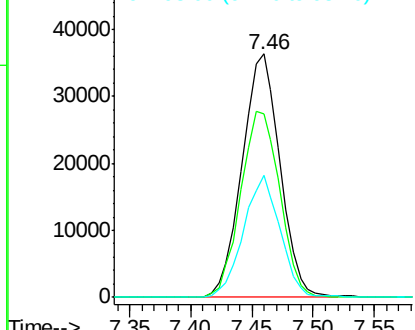


Abundance

Ion 83.00 (82.70 to 83.70): VX0

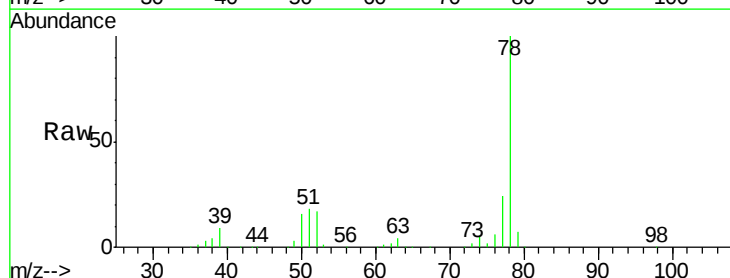
Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40
Benzene
Concen: 27.607 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

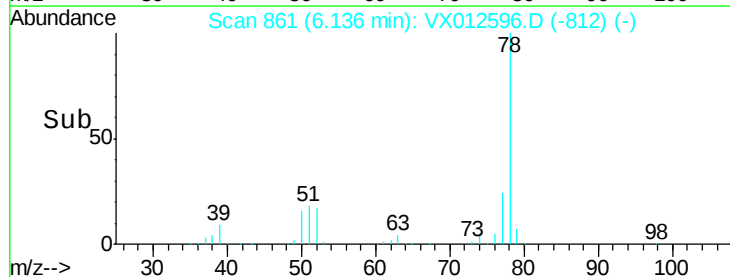
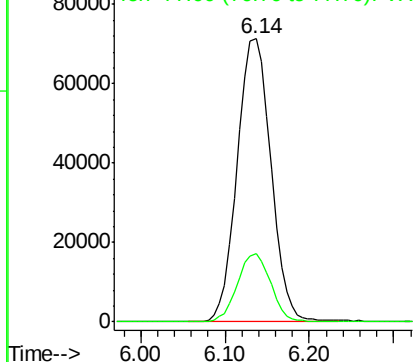
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0	19.0	28.6	

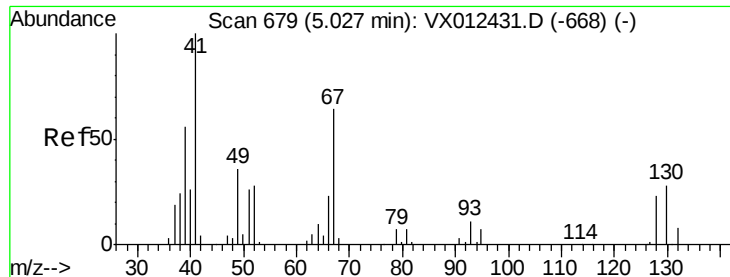


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 20.357 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

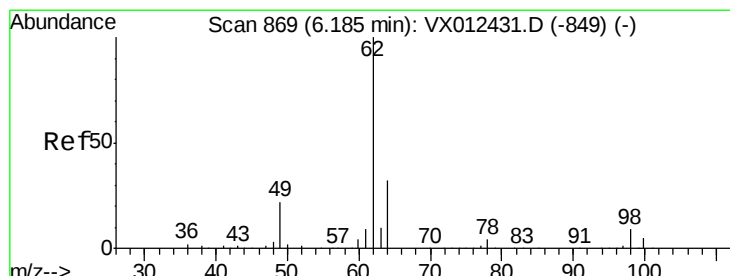
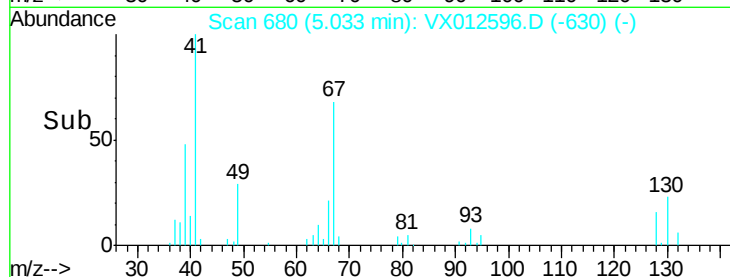
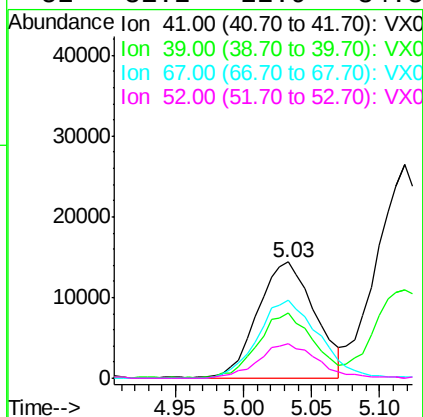
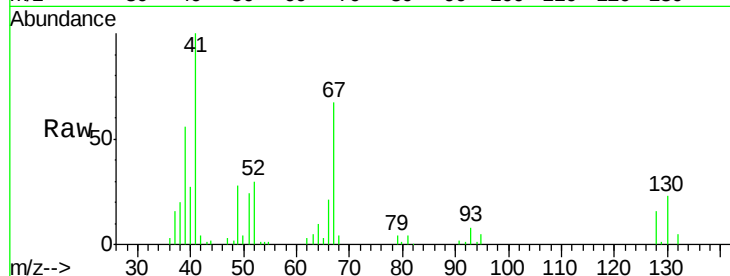
ClientSampleId :

VSTDIC020

Tot Ion:	41	Resp:	41834
Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.2	66.4
67	72.6	55.2	82.8
52	31.2	22.9	34.3

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#42

1,2-Dichloroethane

Concen: 23.838 ug/l

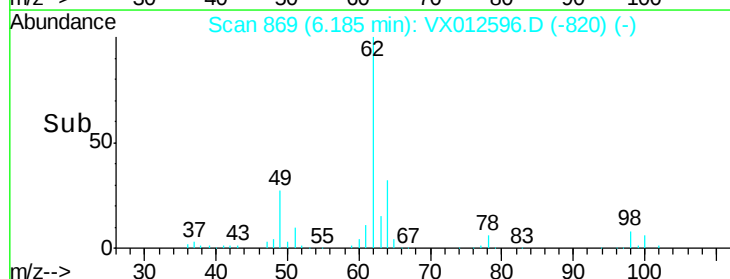
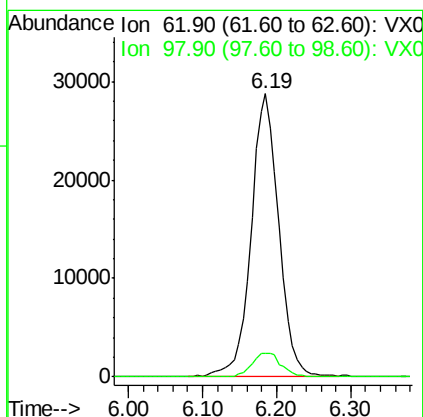
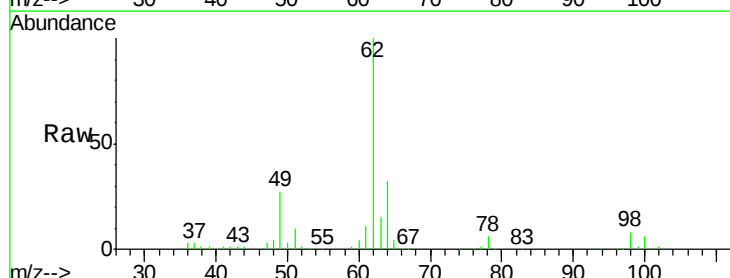
RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Tgt Ion:	62	Resp:	74774
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4





#43

Isopropyl Acetate

Concen: 22.109 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

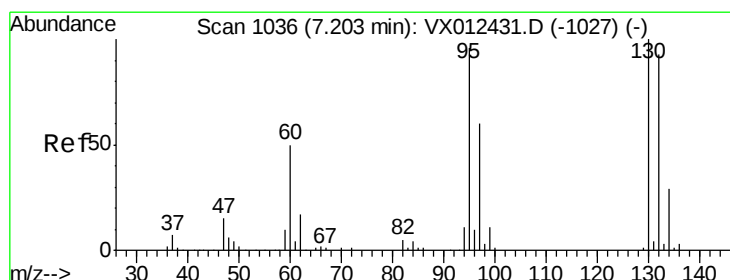
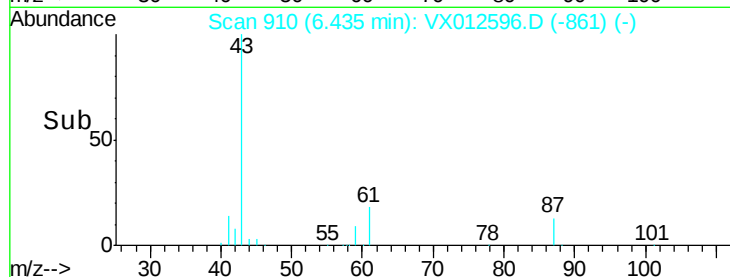
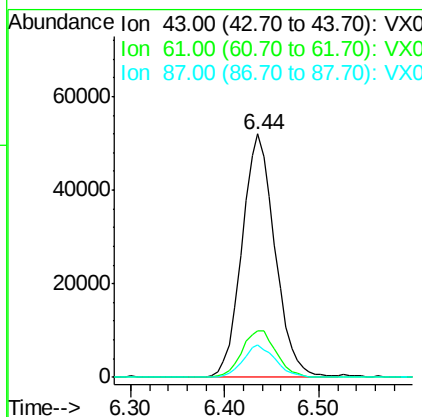
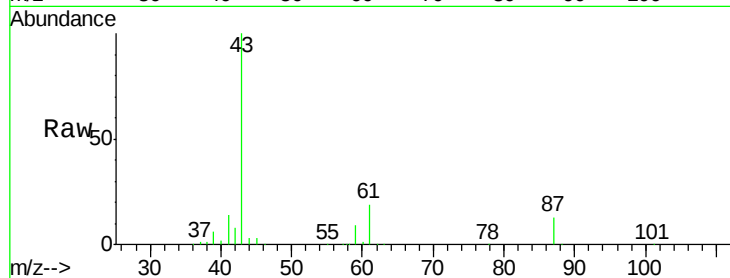
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	127271
Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.8	23.8
87	13.1	10.2	15.4

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#44

Trichloroethene

Concen: 27.235 ug/l

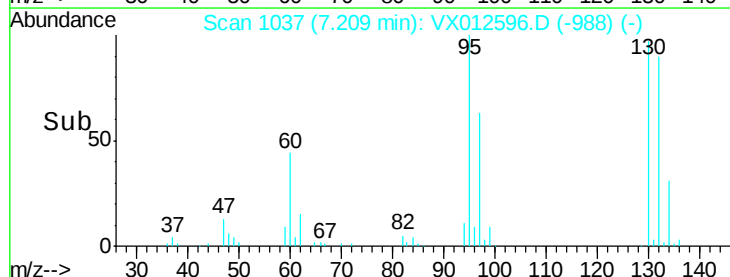
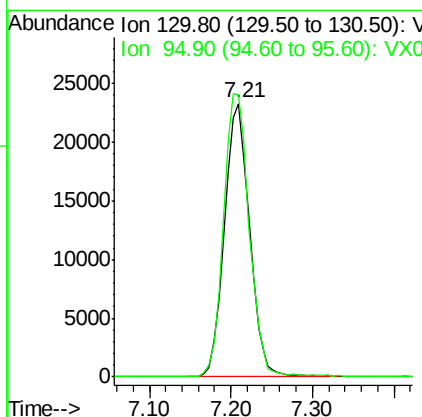
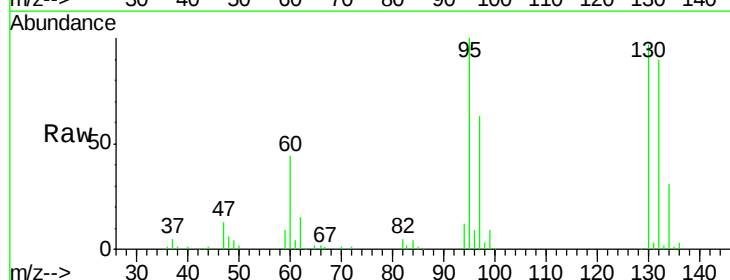
RT: 7.21 min Scan# 1037

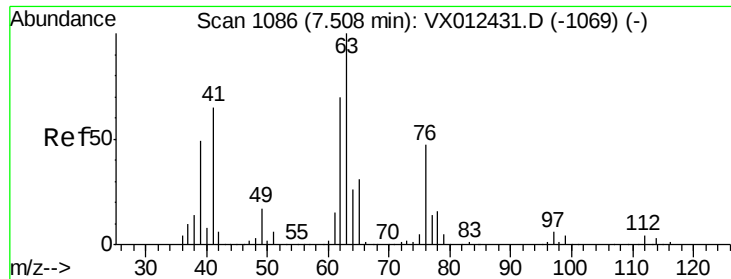
Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Tgt Ion:	130	Resp:	49665
Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	204.8





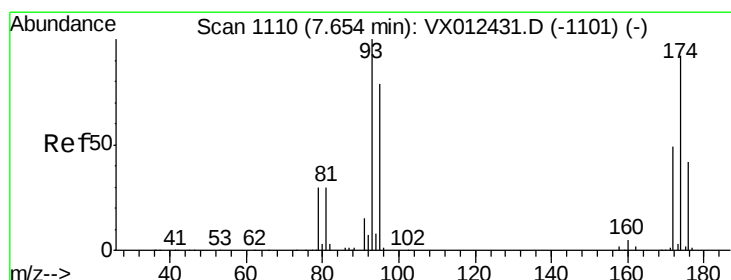
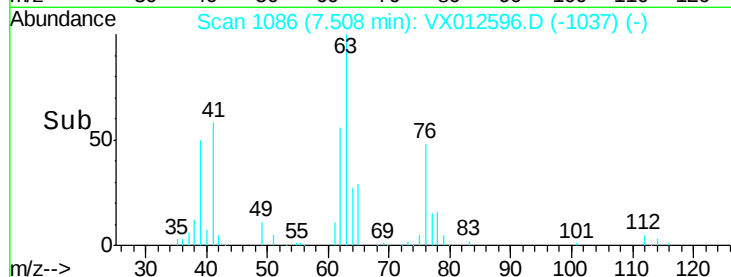
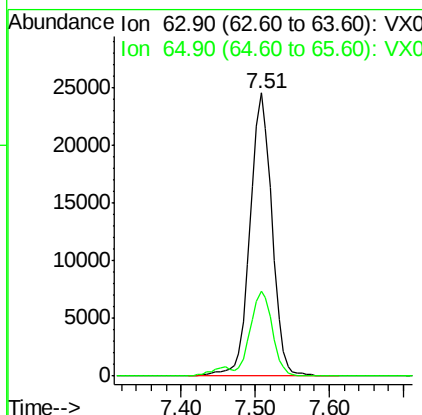
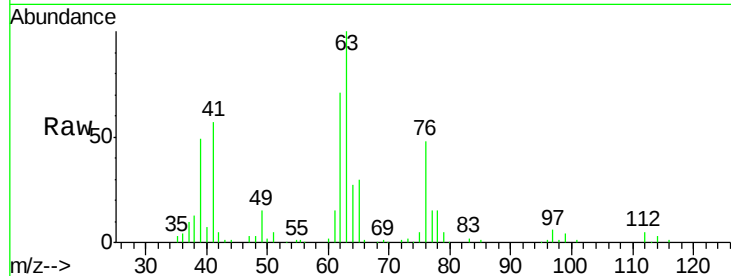
#45
 1,2-Dichloropropane
 Concen: 24.505 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Tot Ion: 63 Resp: 51049
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.3 36.5

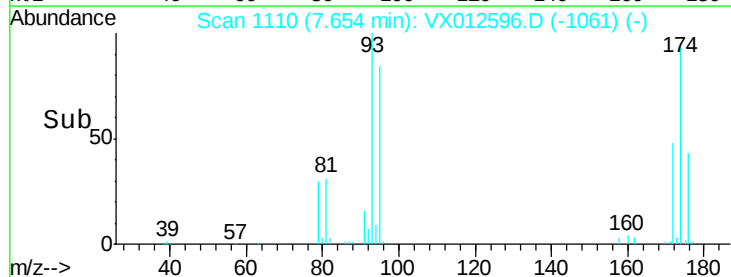
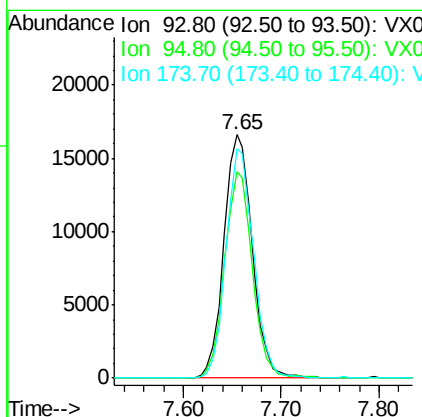
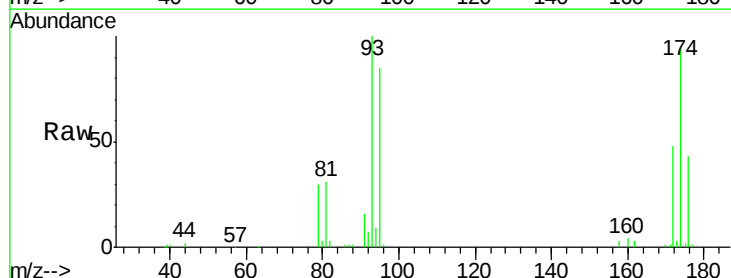
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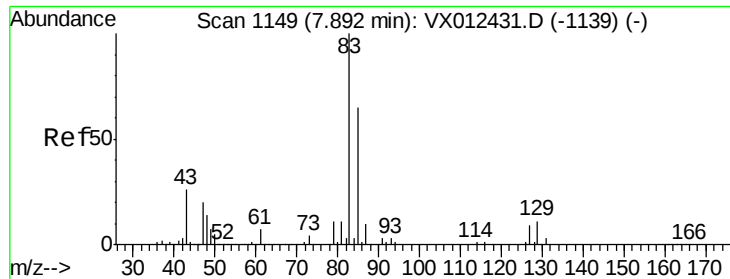
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#46
 Dibromomethane
 Concen: 24.627 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Tgt Ion: 93 Resp: 33428
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.4 98.0
 174 91.5 72.0 108.0





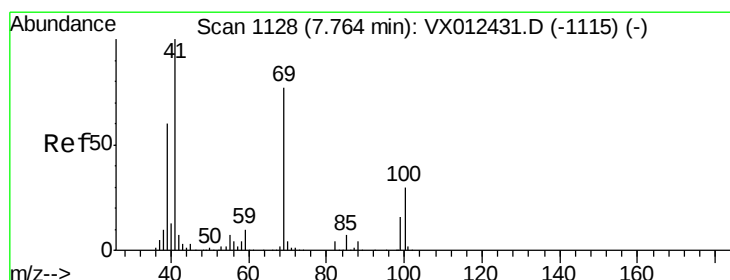
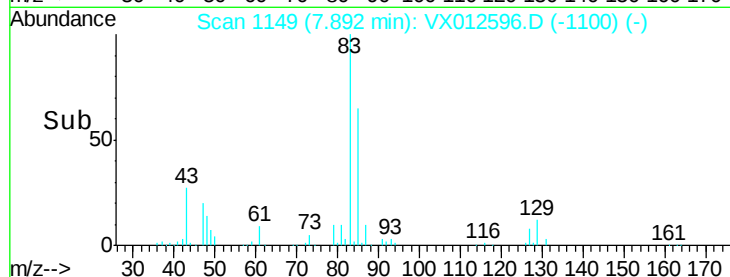
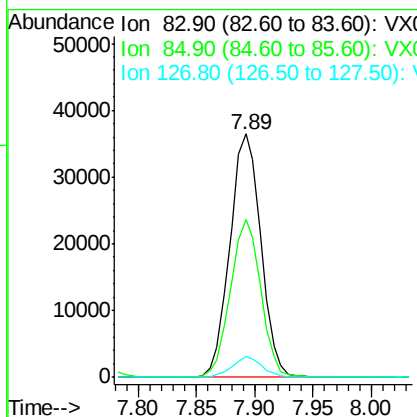
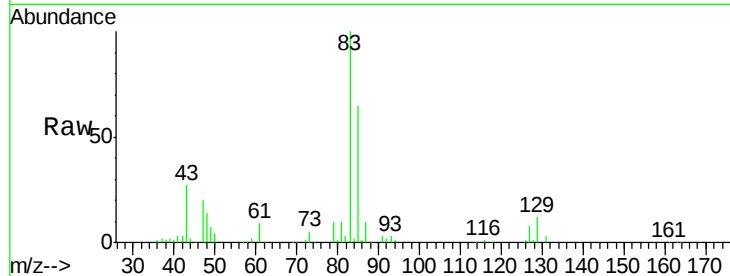
#47
 Bromodichloromethane
 Concen: 22.844 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	83	Resp	67691
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	8.5	6.2	9.4

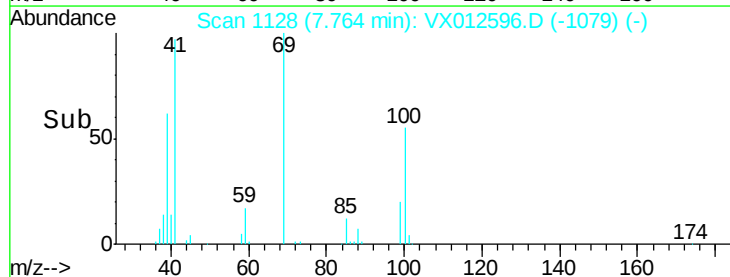
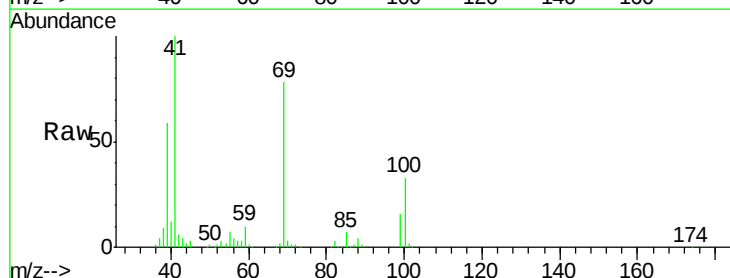
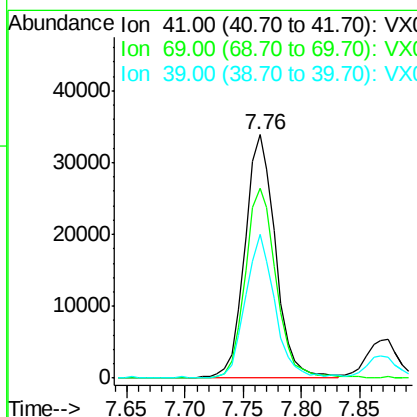
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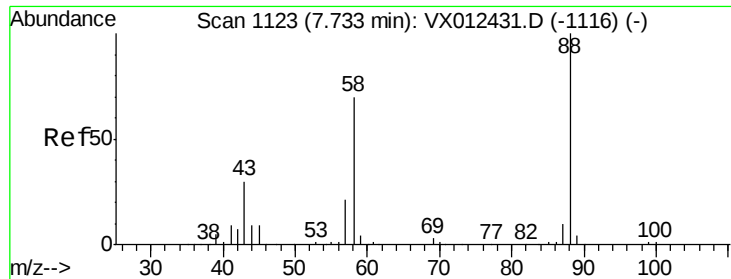
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#48
 Methyl methacrylate
 Concen: 22.533 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Tgt Ion	41	Resp	61519
Ion Ratio	100	Lower	Upper
41	100		
69	80.4	62.6	93.8
39	56.5	44.4	66.6





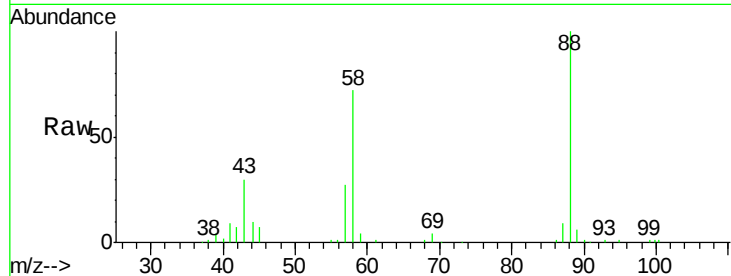
#49
1,4-Dioxane
Concen: 434.183 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

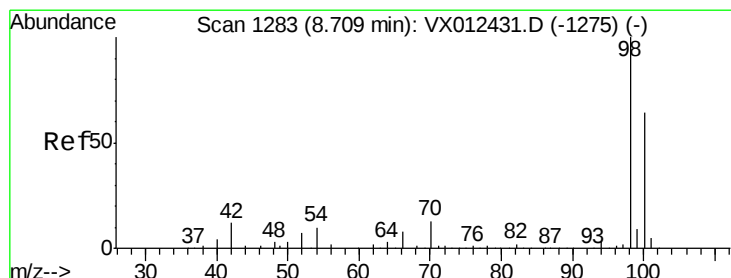
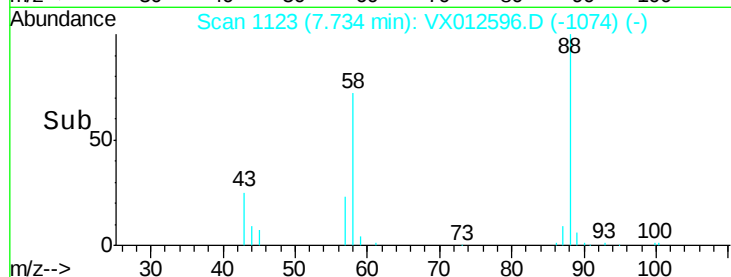
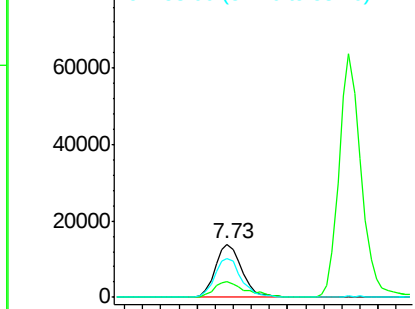
Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	27.6	41.4
58	72.5	57.1	85.7

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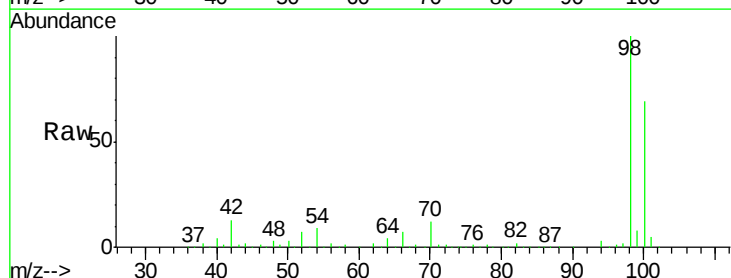


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

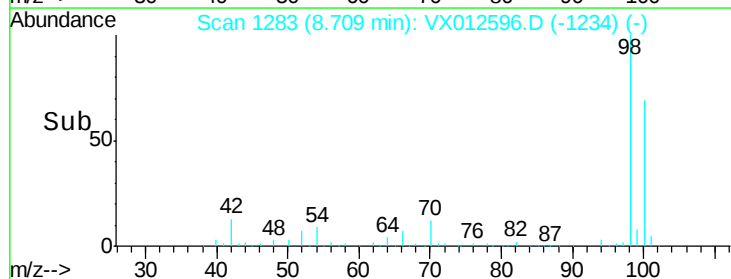
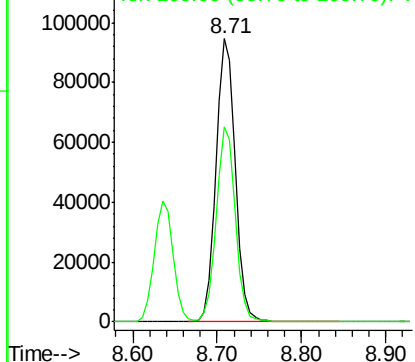


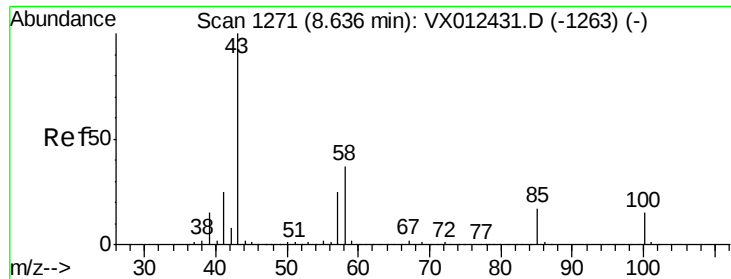
#50
Toluene-d8
Concen: 19.434 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.4	80.2



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





#51

4-Methyl-2-Pentanone

Concen: 107.623 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 402680

Ion Ratio Lower Upper

43 100

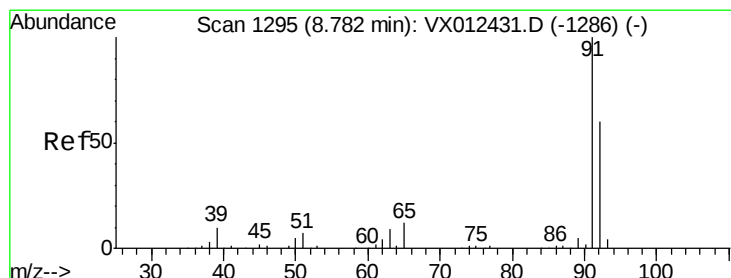
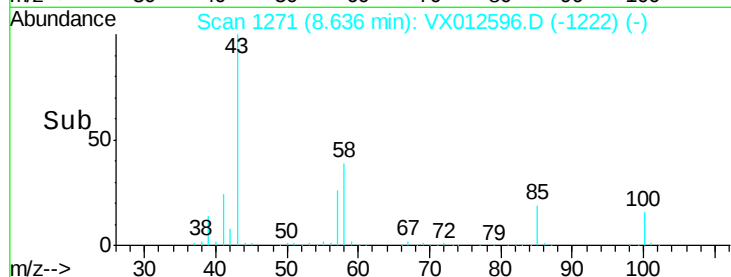
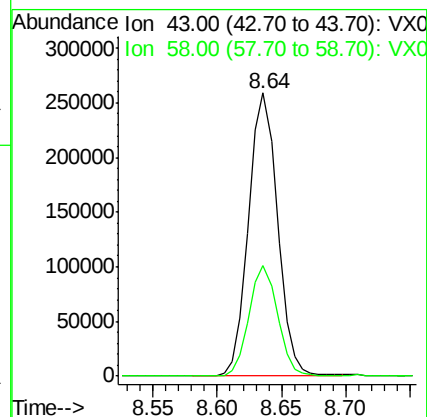
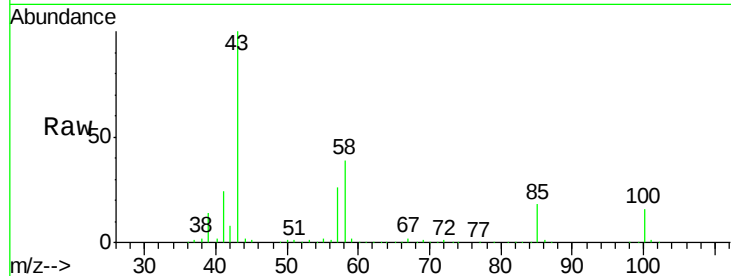
58 38.6 31.4 47.0

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#52

Toluene

Concen: 27.370 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012596.D

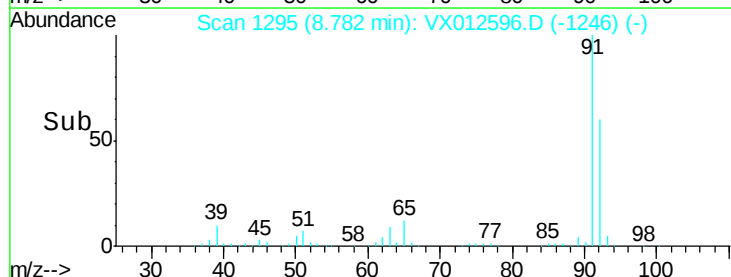
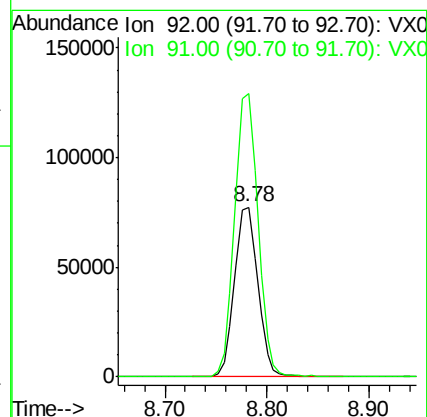
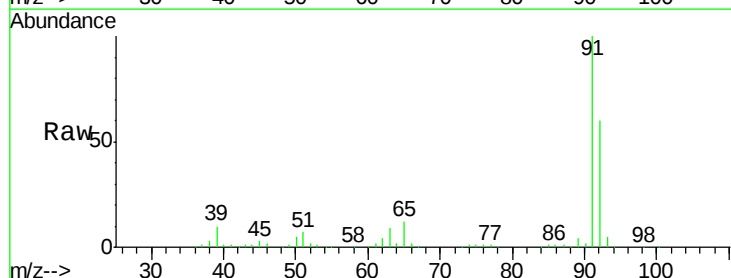
Acq: 23 Sep 2019 10:56

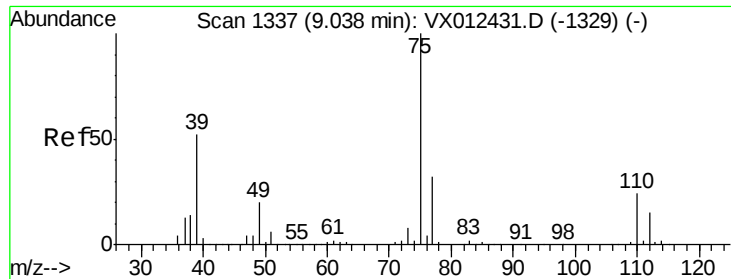
Tgt Ion: 92 Resp: 122933

Ion Ratio Lower Upper

92 100

91 167.3 134.2 201.4





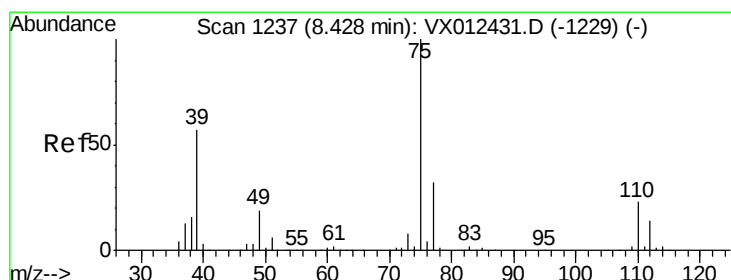
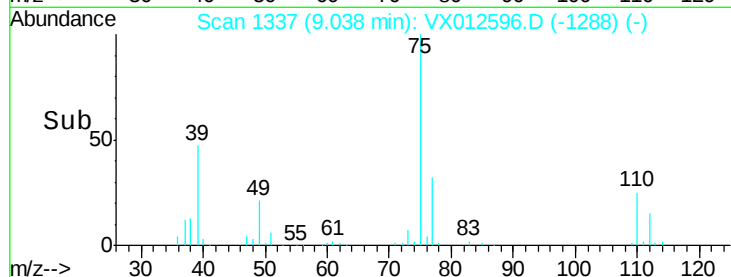
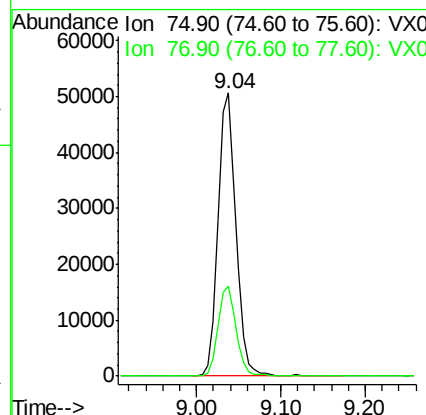
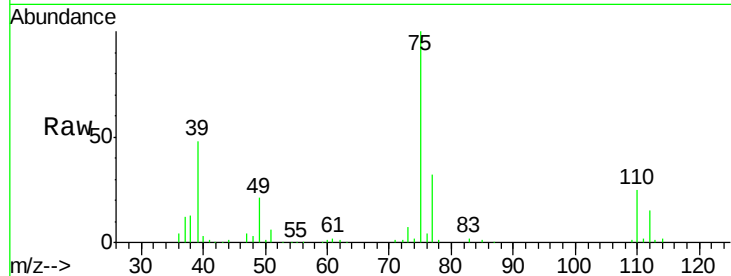
#53
t-1,3-Dichloropropene
Concen: 24.068 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion: 75 Resp: 74884
Ion Ratio Lower Upper
75 100
77 31.7 24.9 37.3

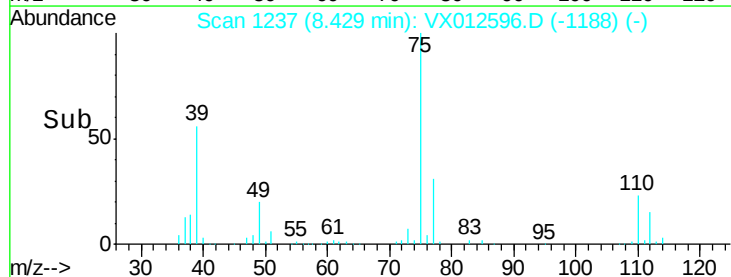
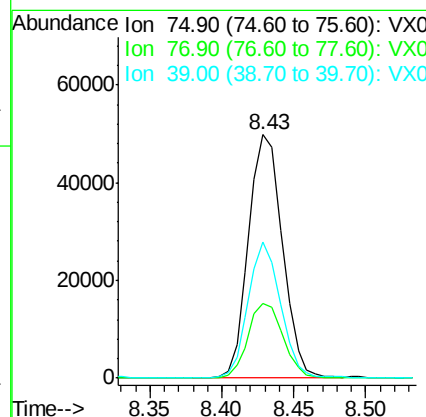
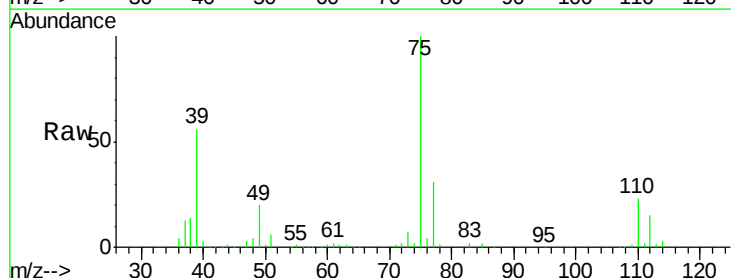
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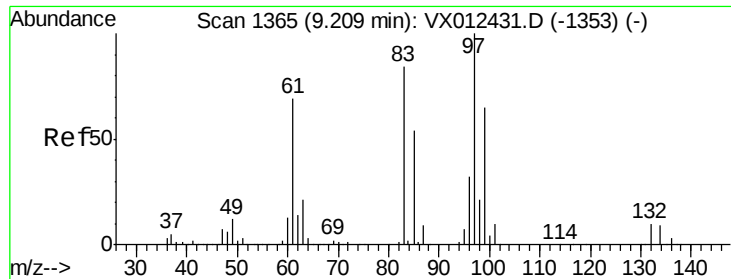
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#54
cis-1,3-Dichloropropene
Concen: 25.079 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion: 75 Resp: 81554
Ion Ratio Lower Upper
75 100
77 30.5 25.5 38.3
39 56.1 40.7 61.1





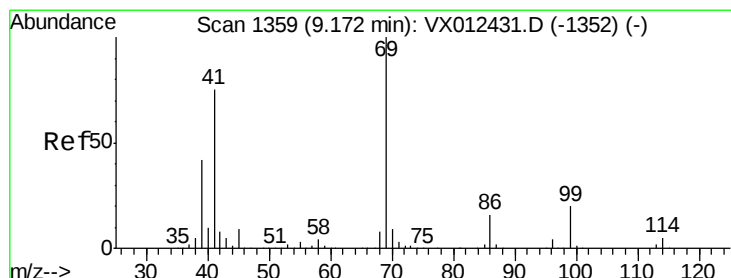
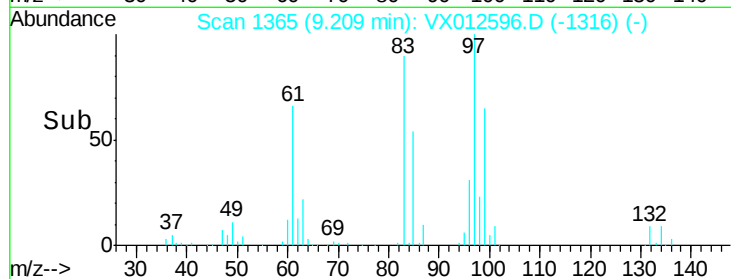
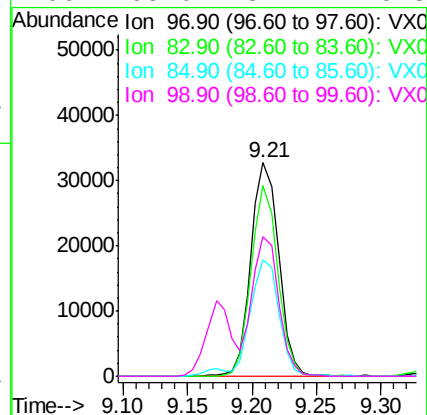
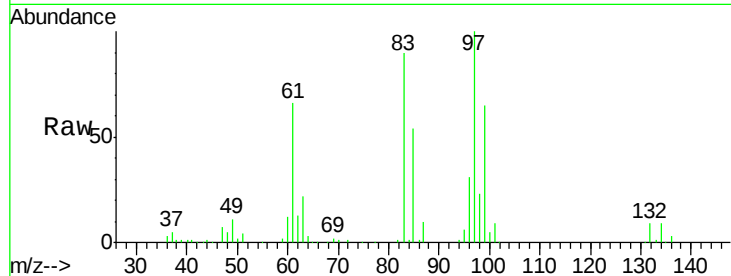
#55
 1,1,2-Trichloroethane
 Concen: 22.097 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	48895
Ion	Ratio	Lower	Upper
97	100		
83	89.6	70.5	105.7
85	54.4	43.9	65.9
99	65.0	51.2	76.8

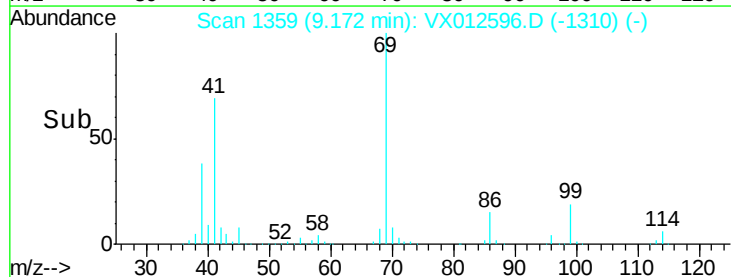
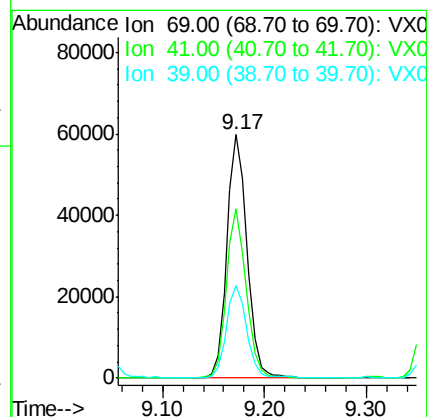
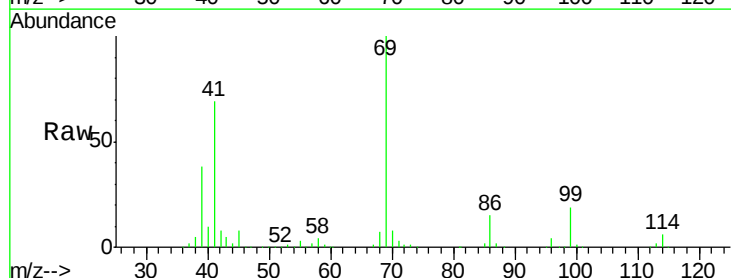
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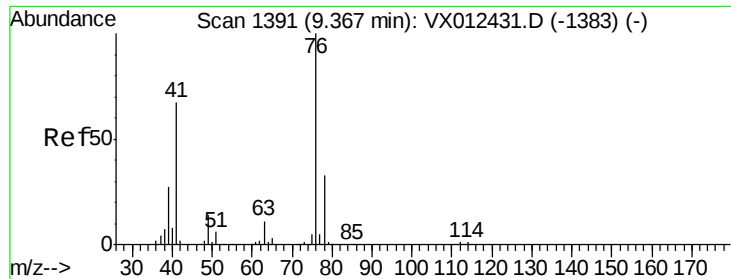
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#56
 Ethyl methacrylate
 Concen: 23.484 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Tgt Ion:	69	Resp:	82181
Ion	Ratio	Lower	Upper
69	100		
41	68.6	54.7	82.1
39	37.9	30.6	46.0





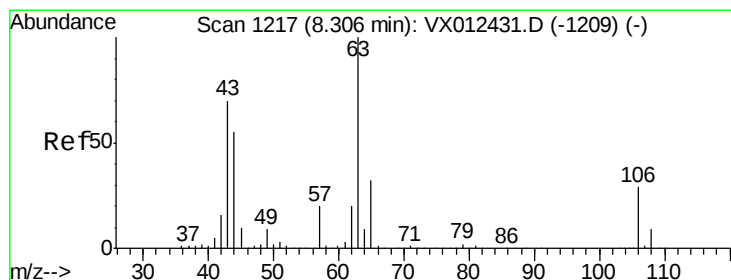
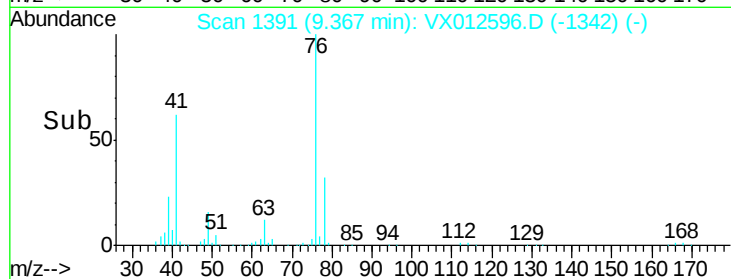
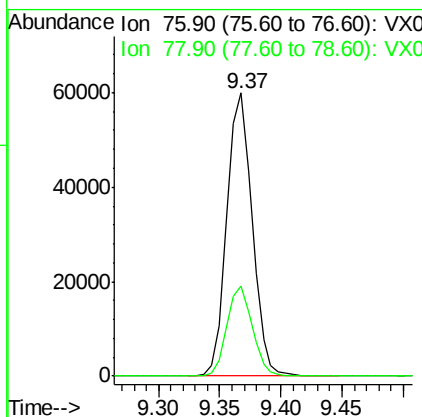
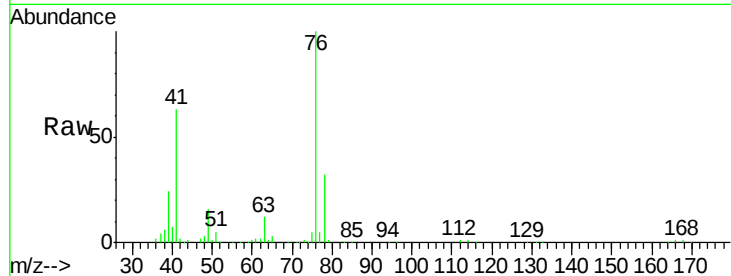
#57
 1,3-Dichloropropane
 Concen: 24.117 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.0	39.0

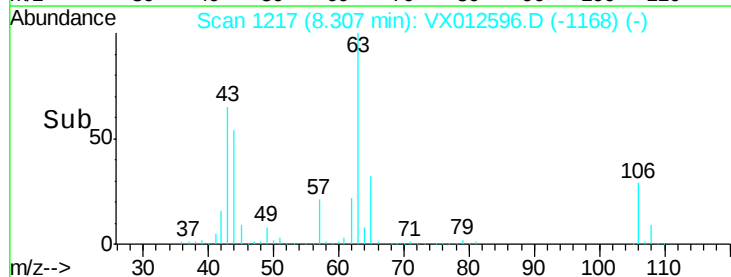
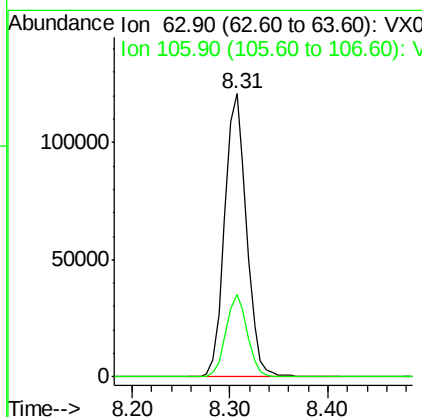
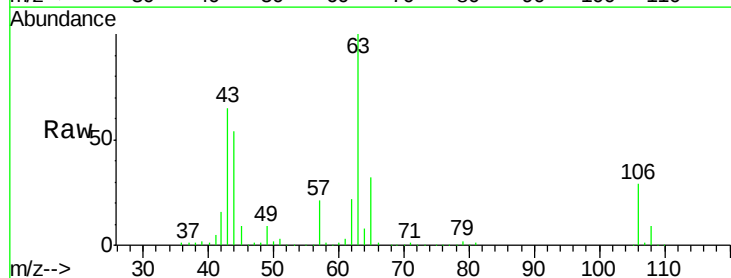
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.964 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.2	34.8





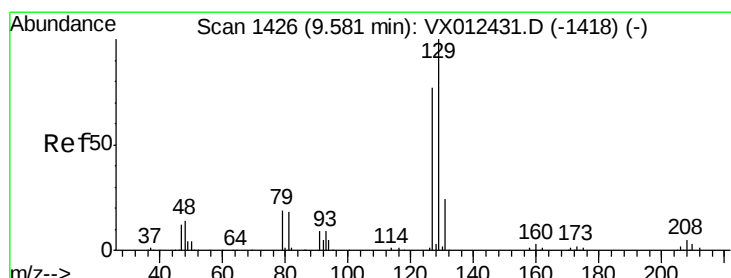
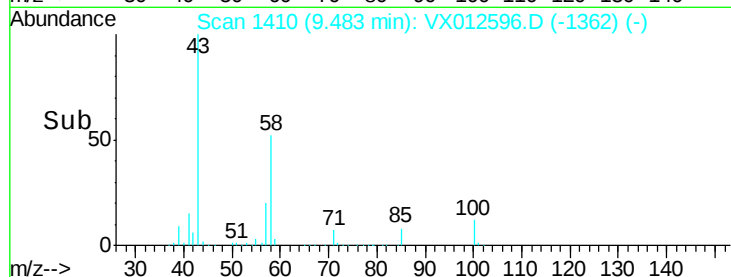
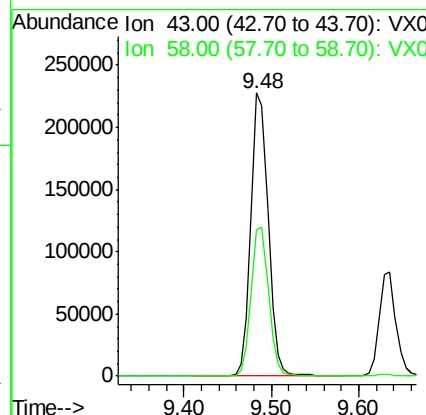
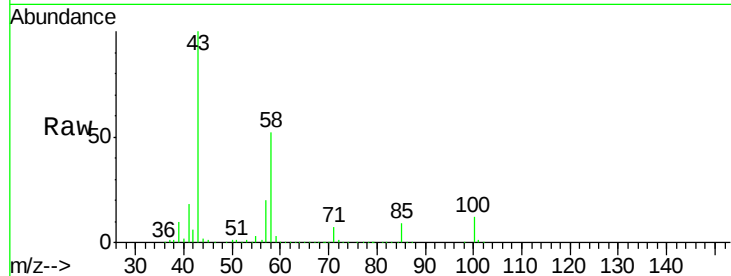
#59
2-Hexanone
Concen: 108.084 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC020

Tot Ion: 43 Resp: 315863
Ion Ratio Lower Upper
43 100
58 53.0 26.8 80.4

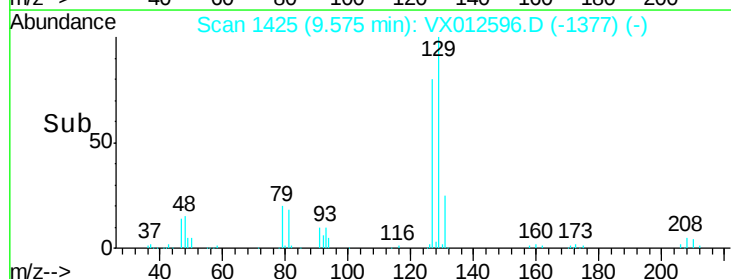
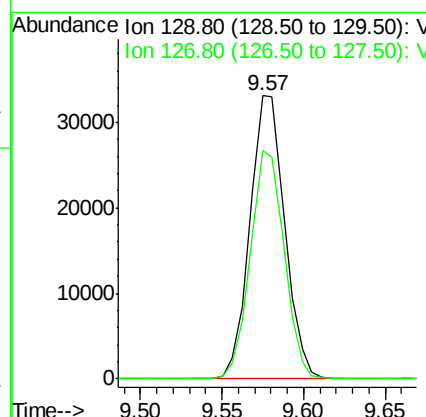
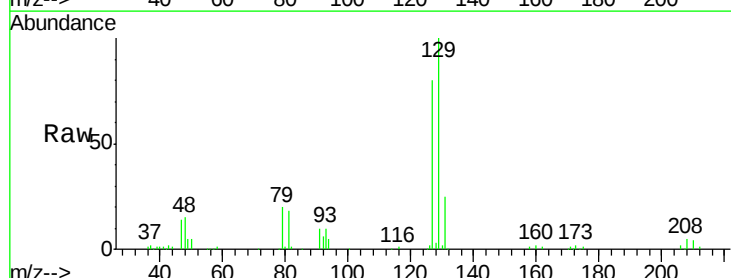
Manual Integrations
APPROVED

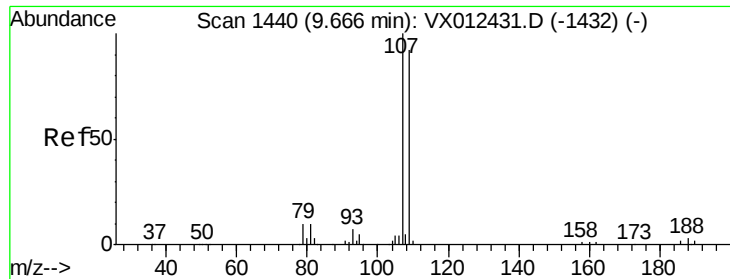
MMDadoda
9/24/2019 10:07:28 AM



#60
Dibromochloromethane
Concen: 22.091 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion: 129 Resp: 49483
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 24.946 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 51285

Ion Ratio Lower Upper

107 100

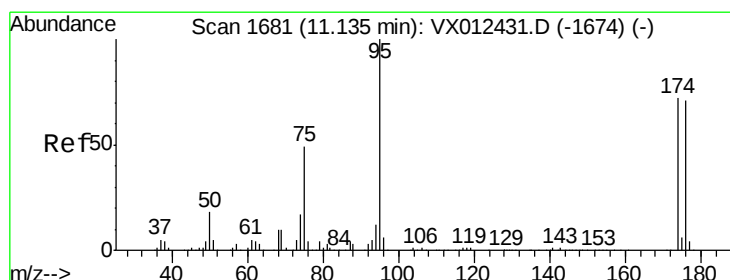
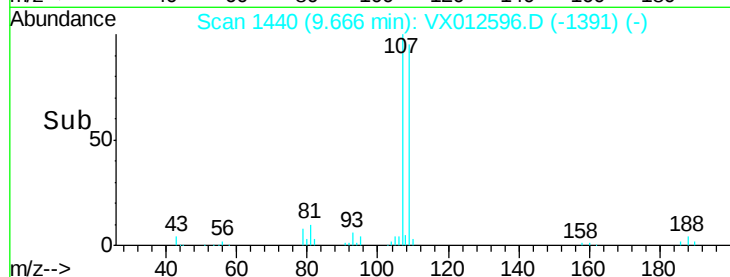
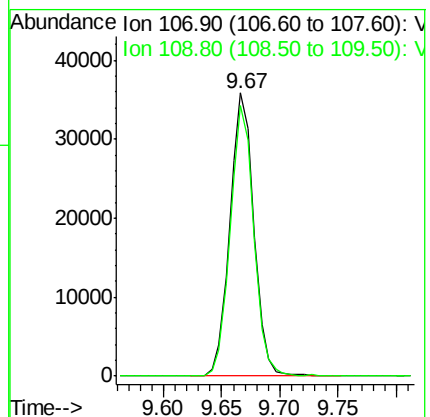
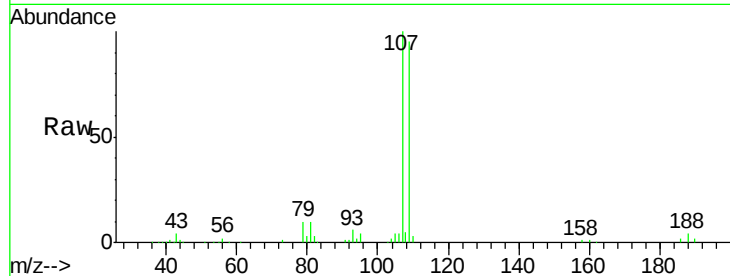
109 94.2 74.3 111.5

Manual Integrations

APPROVED

MMDadoda

9/24/2019 10:07:28 AM



#62

4-Bromofluorobenzene

Concen: 18.185 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

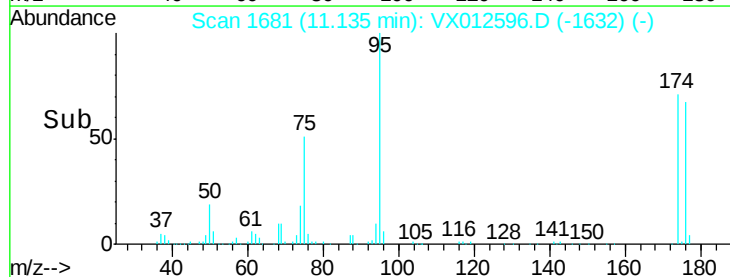
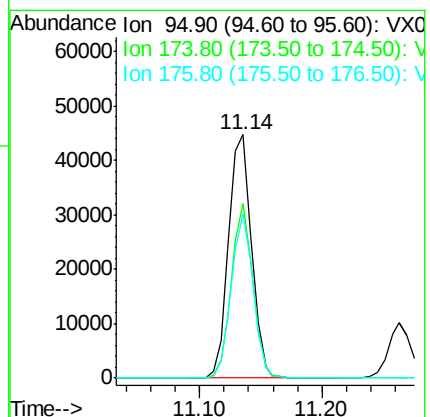
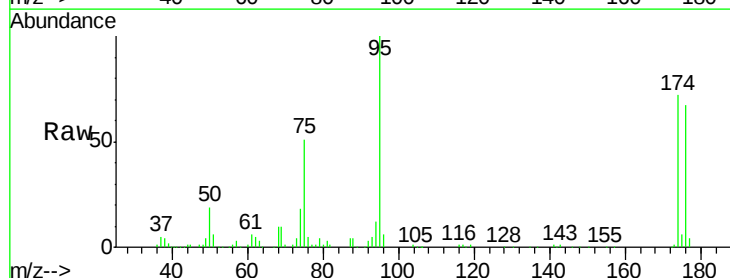
Tgt Ion: 95 Resp: 57954

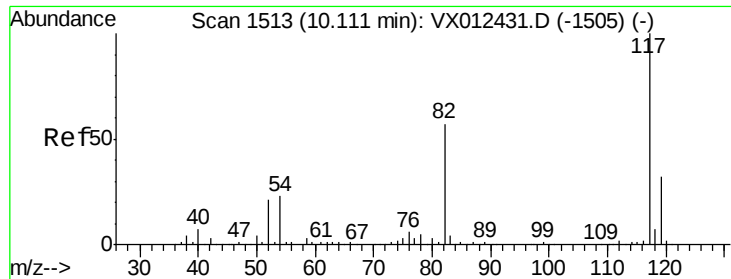
Ion Ratio Lower Upper

95 100

174 66.5 0.0 134.6

176 63.7 0.0 132.2





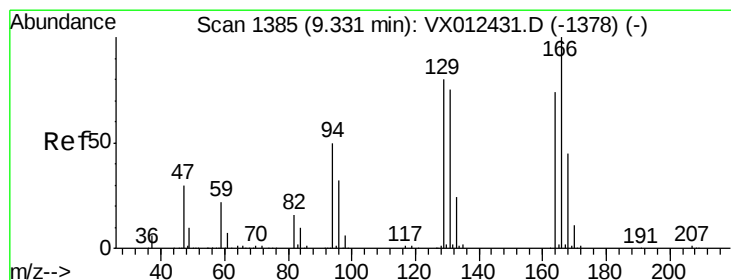
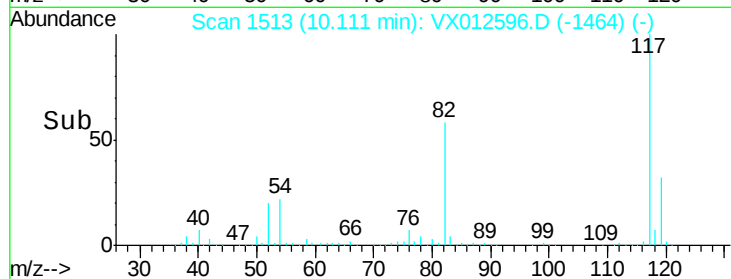
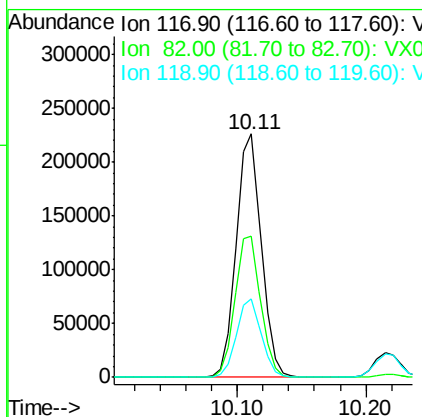
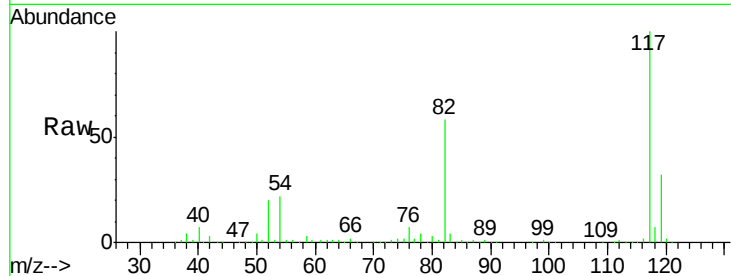
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.0	70.4
119	32.3	25.8	38.6

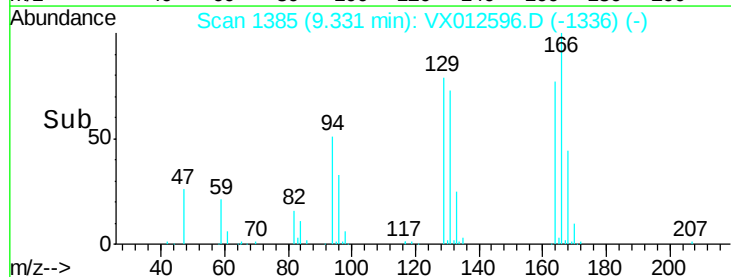
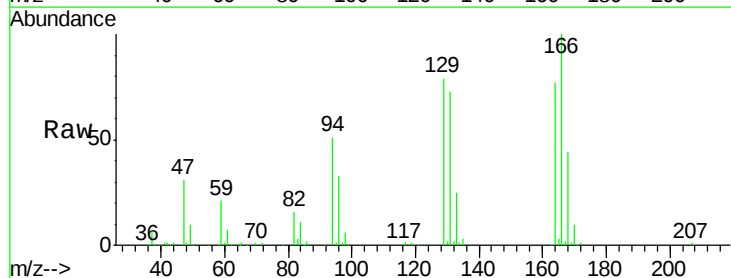
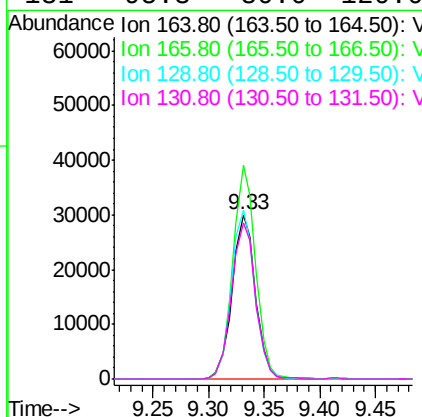
Manual Integrations
APPROVED

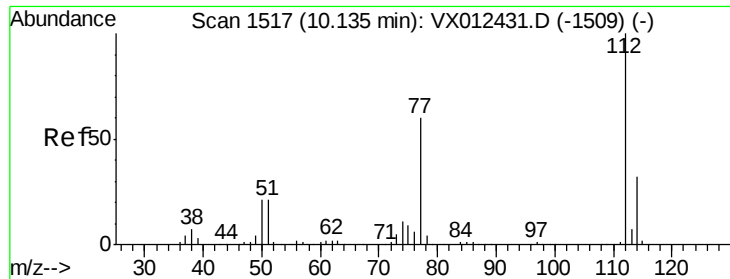
MMDadoda
9/24/2019 10:07:28 AM



#64
Tetrachloroethene
Concen: 28.892 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	101.3	151.9
129	102.7	81.1	121.7
131	95.3	80.0	120.0





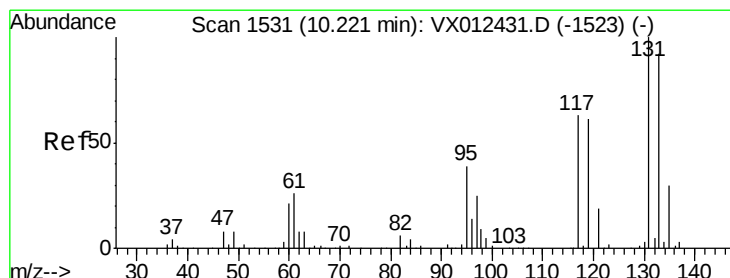
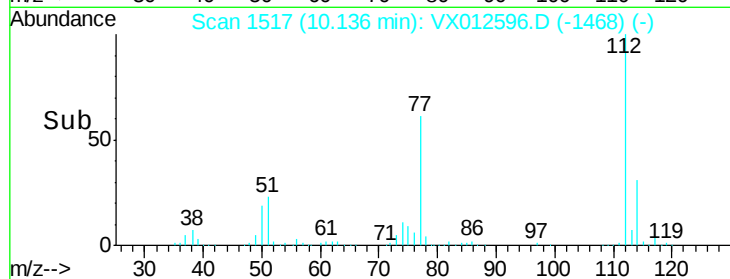
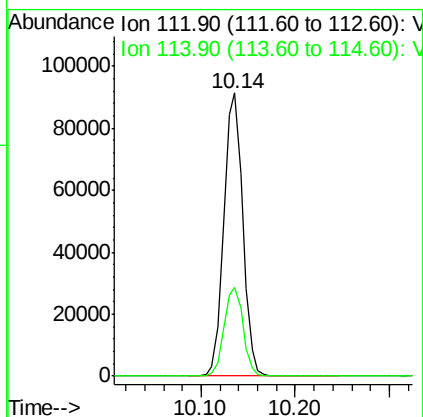
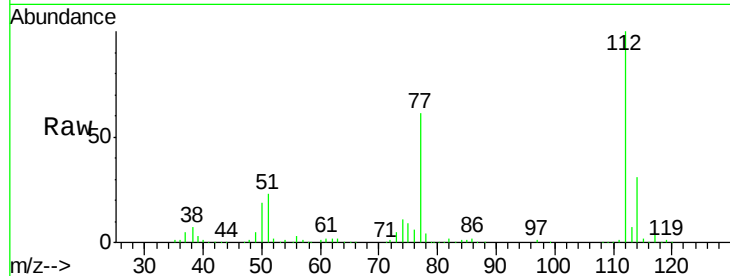
#65
Chlorobenzene
Concen: 24.273 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.5	38.3

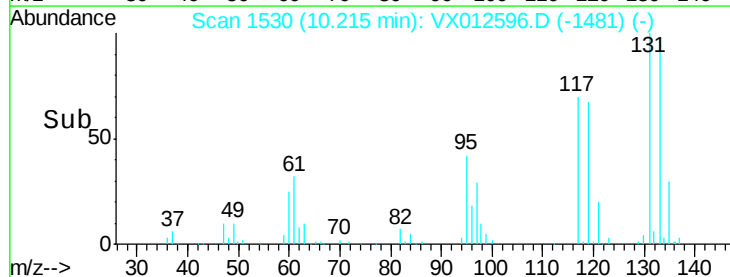
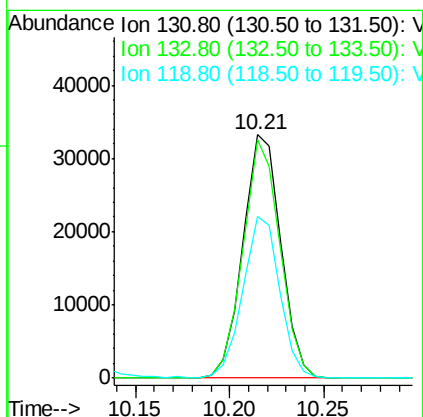
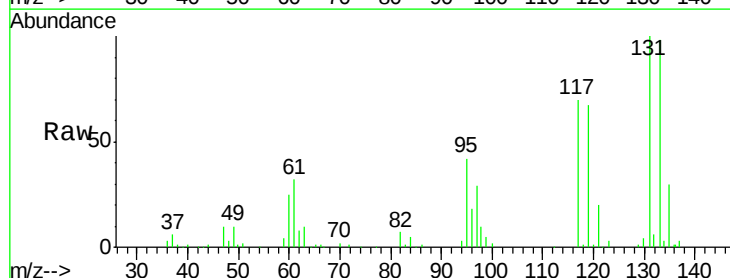
Manual Integrations
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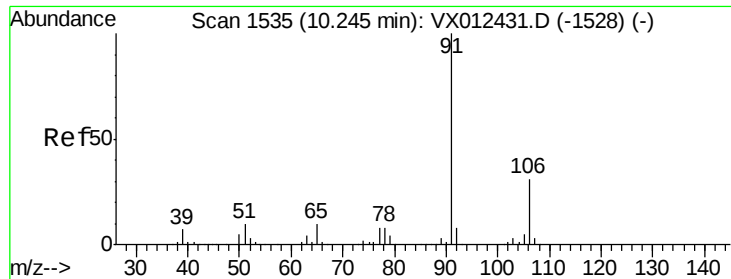
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.014 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.0	144.2
119	64.6	33.0	99.0





#67

Ethyl Benzene

Concen: 25.938 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 234978

Ion Ratio Lower Upper

91 100

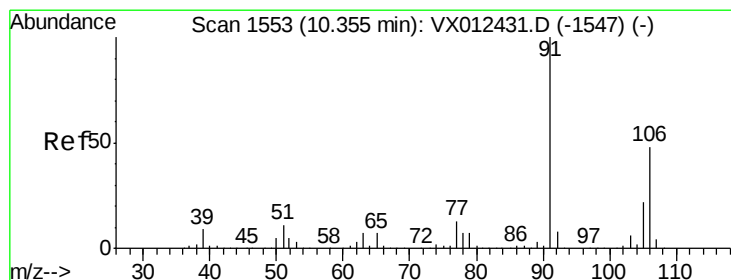
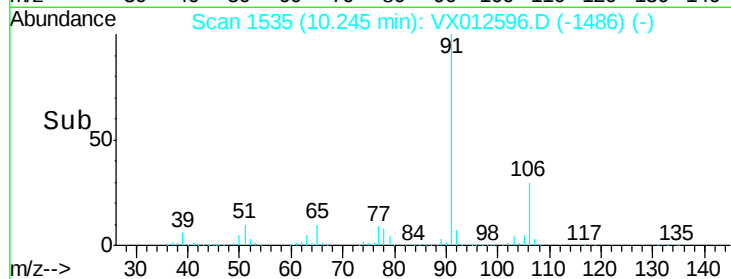
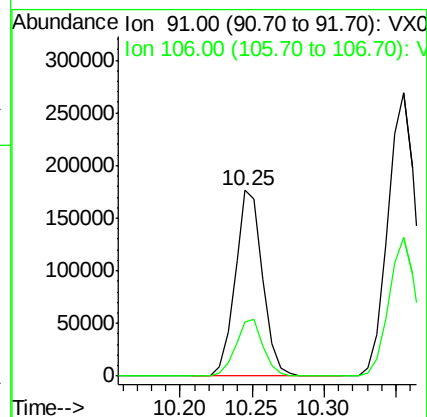
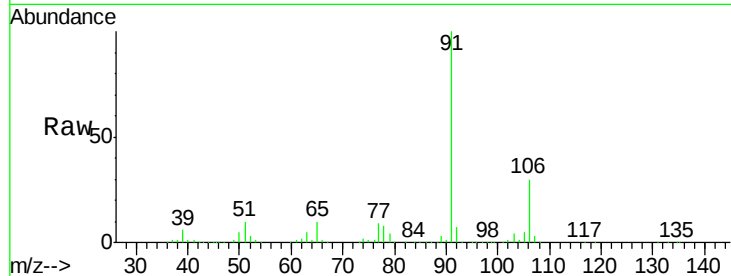
106 29.5 23.8 35.6

Manual Integrations

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MMDadoda

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#68

m/p-Xylenes

Concen: 52.142 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012596.D

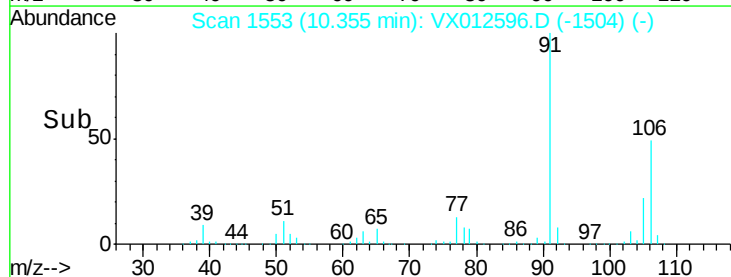
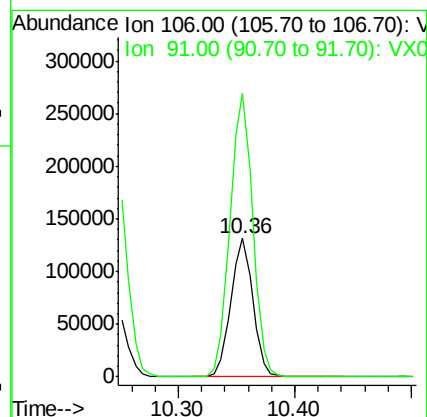
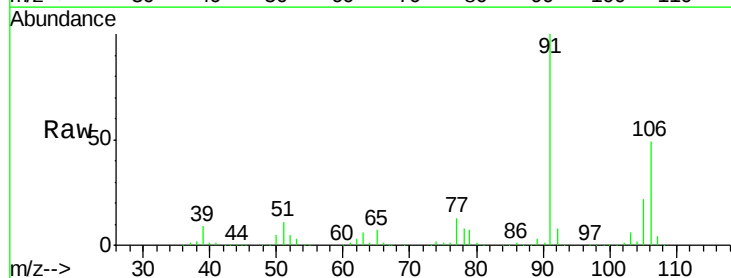
Acq: 23 Sep 2019 10:56

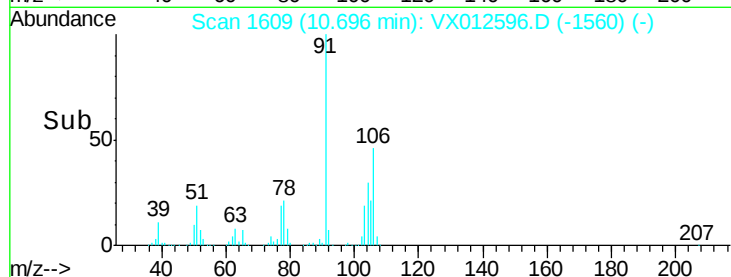
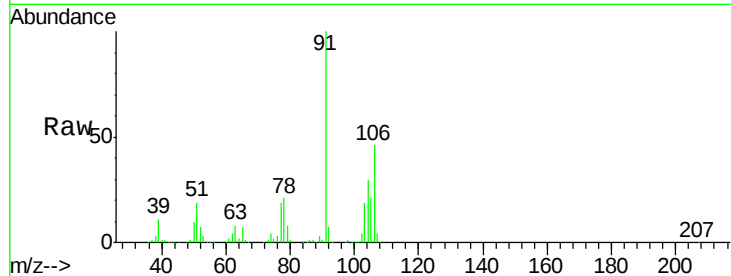
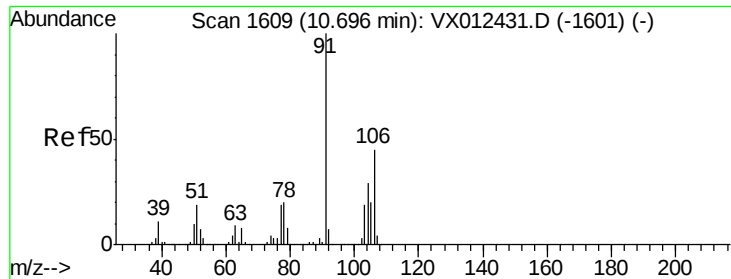
Tgt Ion: 106 Resp: 172968

Ion Ratio Lower Upper

106 100

91 210.5 167.3 250.9





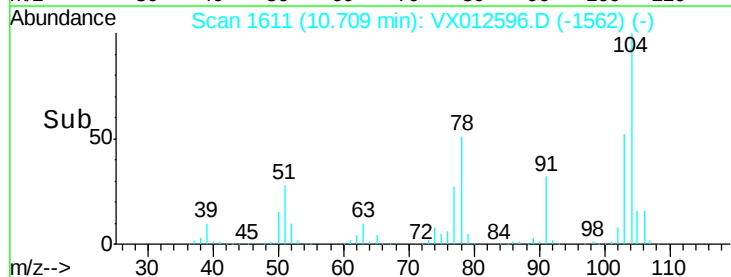
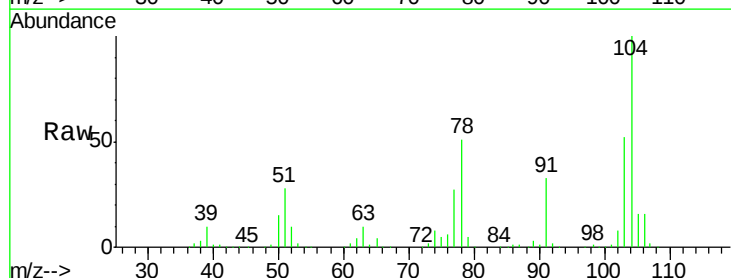
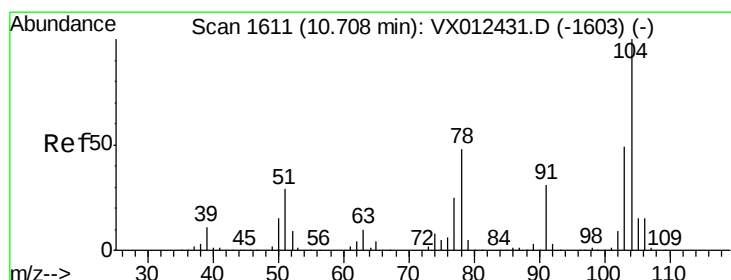
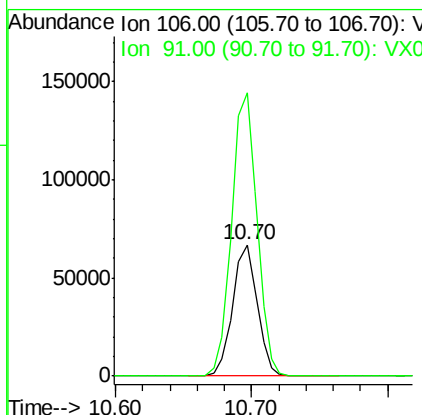
#69
o-Xylene
Concen: 25.165 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tot Ion:106 Resp: 84678
Ion Ratio Lower Upper
106 100
91 221.3 110.3 331.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

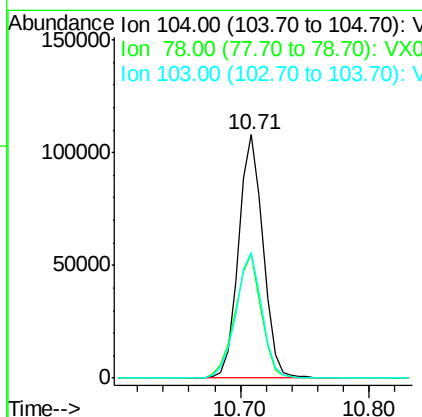
Manual Integrations
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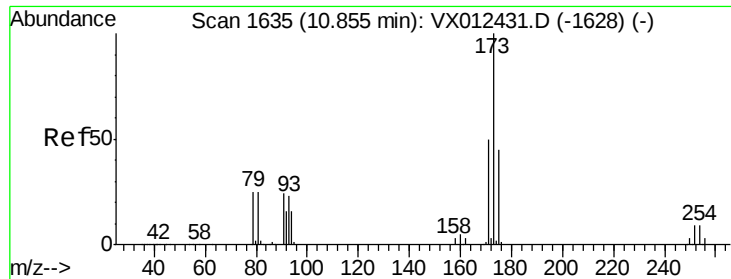
MMDadoda
9/24/2019 10:07:28 AM



#70
Styrene
Concen: 23.970 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion:104 Resp: 141728
Ion Ratio Lower Upper
104 100
78 54.7 43.4 65.2
103 55.1 43.4 65.2





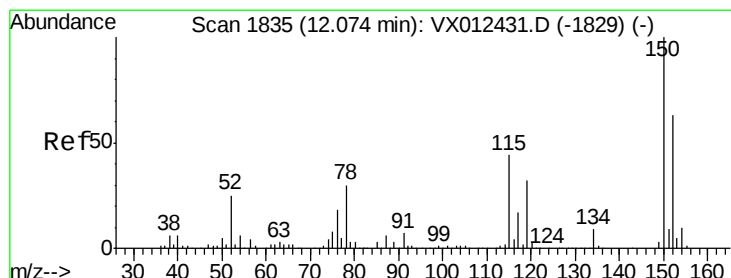
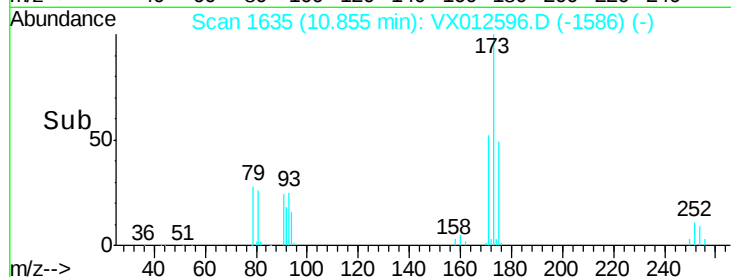
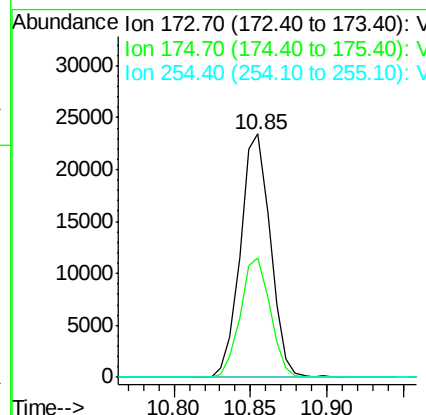
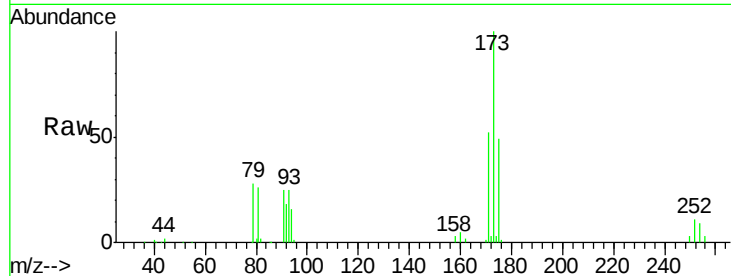
#71
Bromoform
Concen: 20.392 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.8
254	0.0	0.1	0.1#

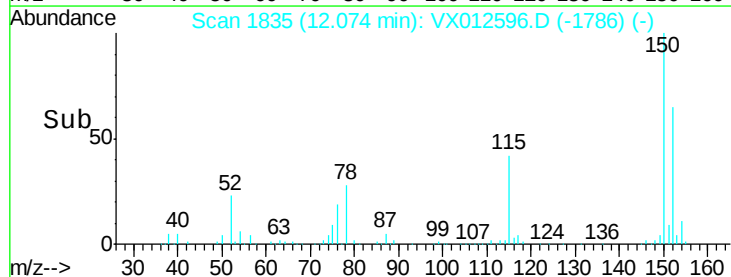
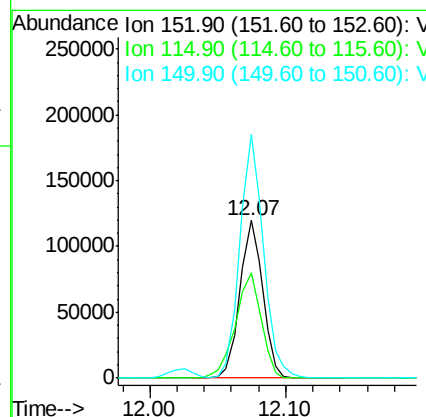
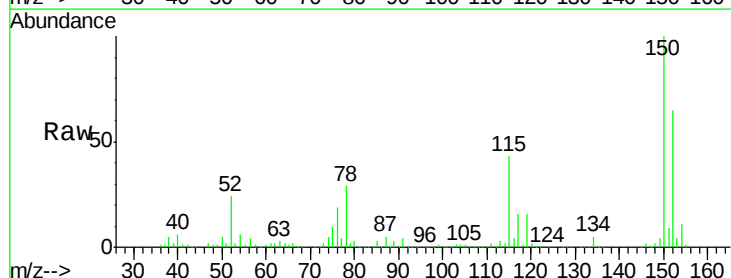
Manual Integrations
APPROVED

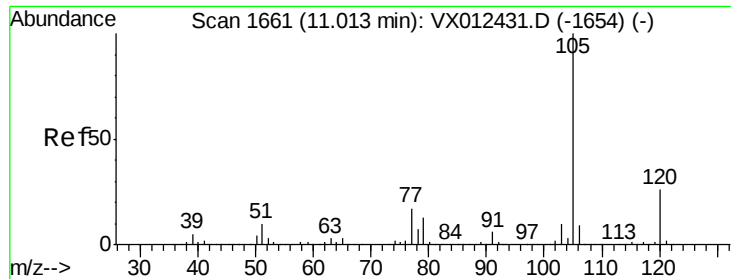
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.4	45.2	135.6
150	160.2	0.0	346.2





#73

Isopropylbenzene

Concen: 25.363 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 228513

Ion Ratio Lower Upper

105 100

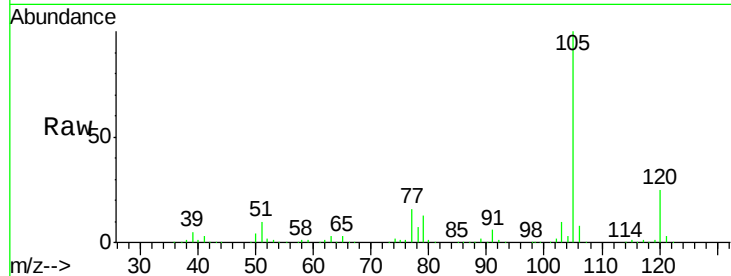
120 25.6 12.9 38.7

Manual Integrations

APPROVED

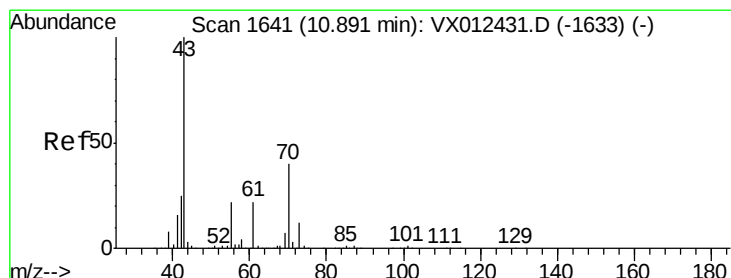
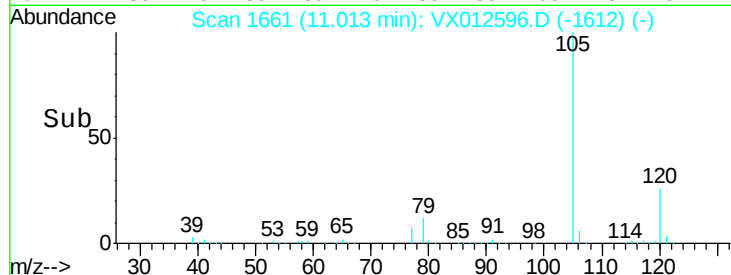
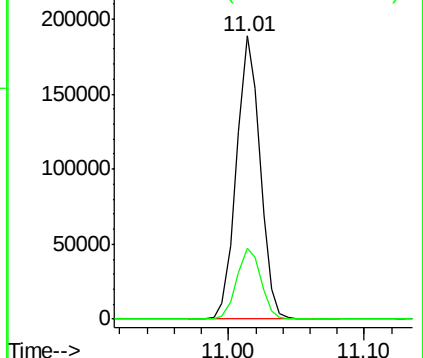
MMDadoda

9/24/2019 10:07:28 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.588 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Tgt Ion: 43 Resp: 107400

Ion Ratio Lower Upper

43 100

70 41.8 33.8 50.8

55 24.4 19.2 28.8

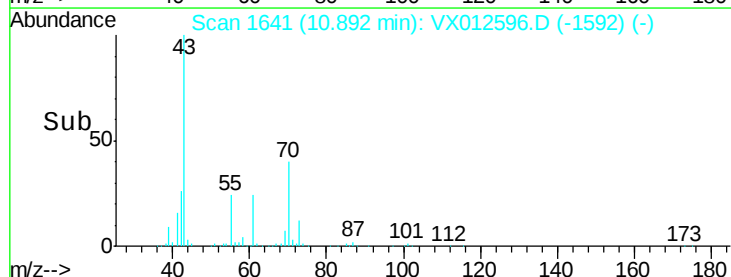
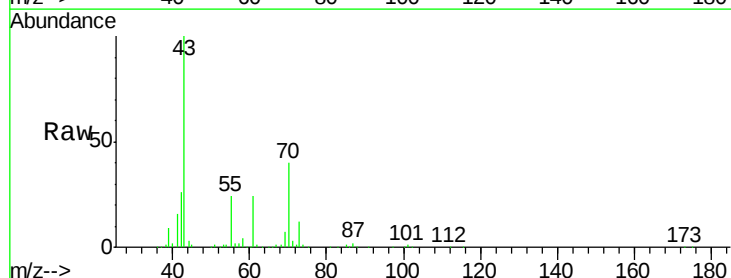
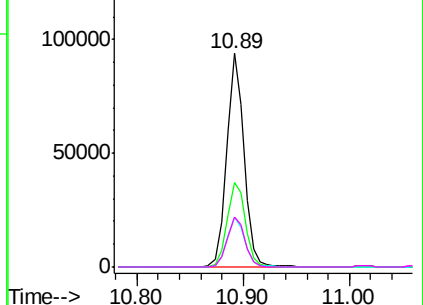
61 24.1 19.4 29.0

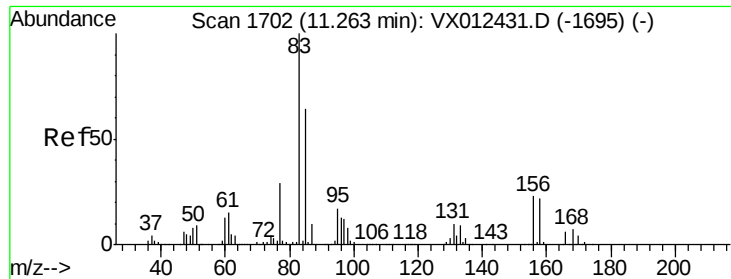
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.558 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

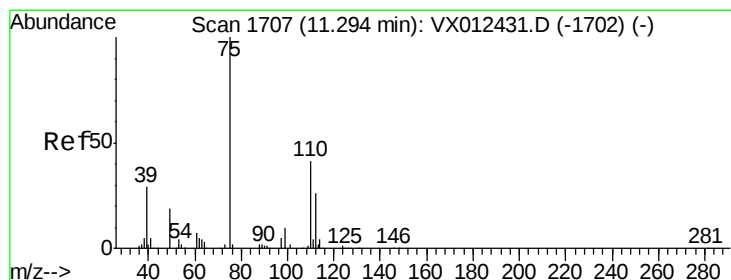
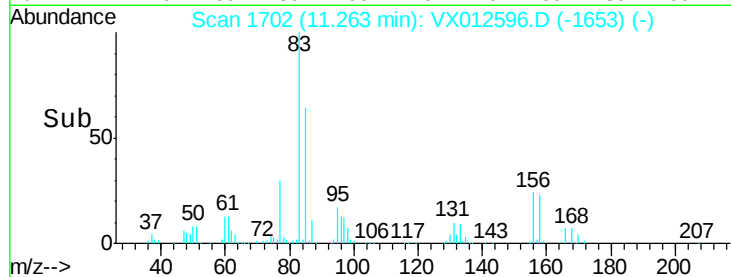
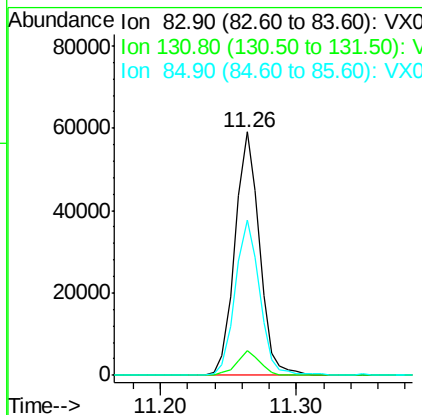
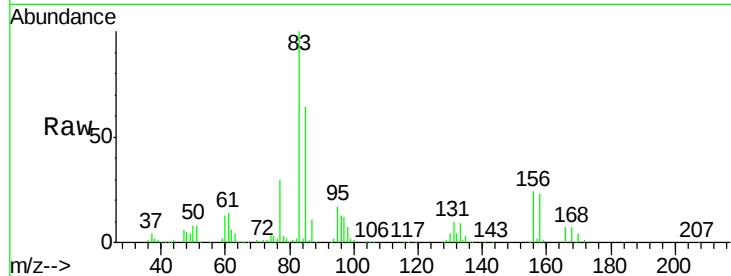
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	74094
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.1	15.4
85	64.5	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 23.059 ug/l m

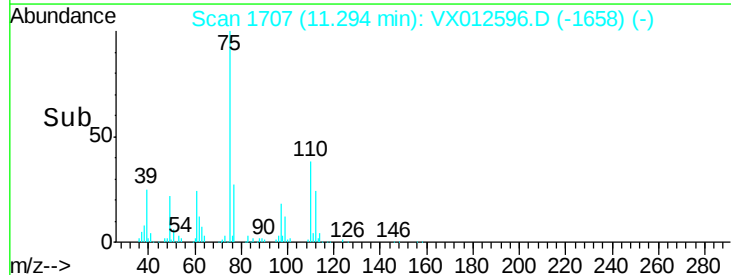
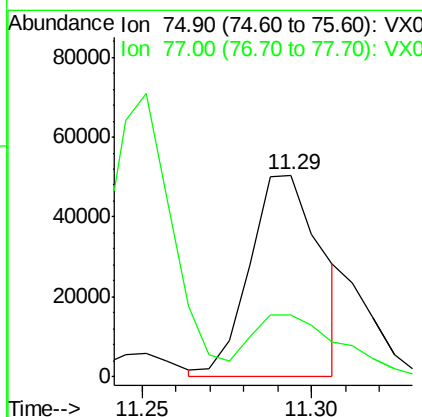
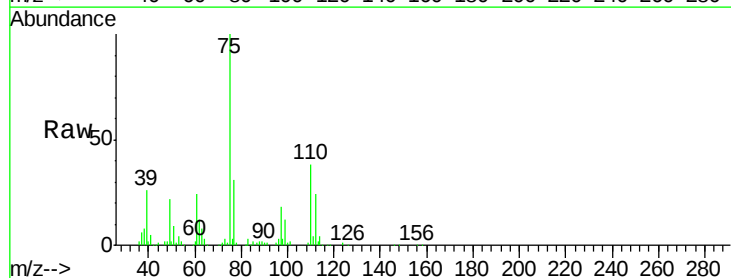
RT: 11.29 min Scan# 1707

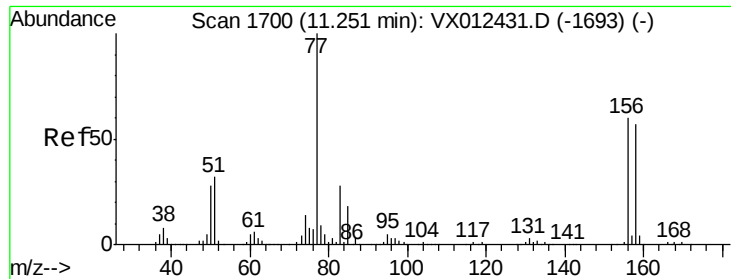
Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Tgt Ion:	75	Resp:	74413
Ion Ratio	Lower	Upper	
75	100		
77	38.3	19.3	57.8





#77

Bromobenzene

Concen: 23.476 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

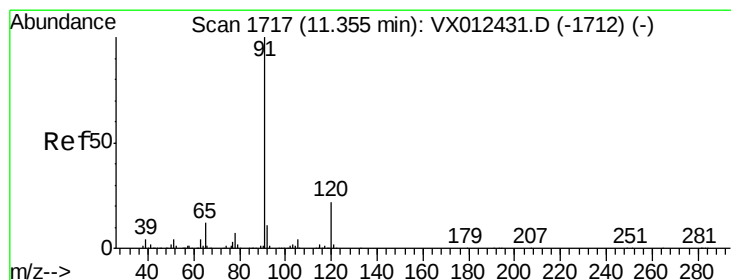
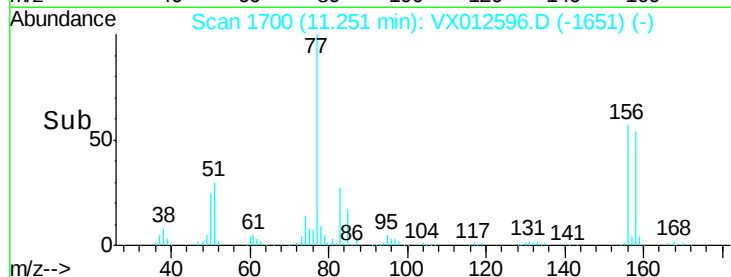
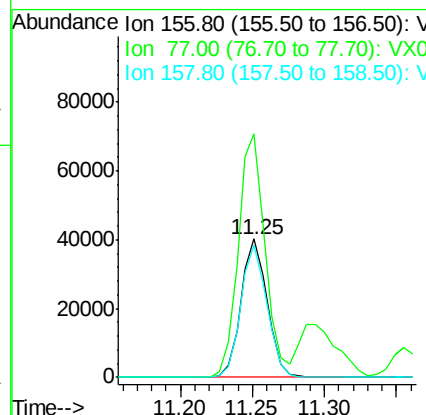
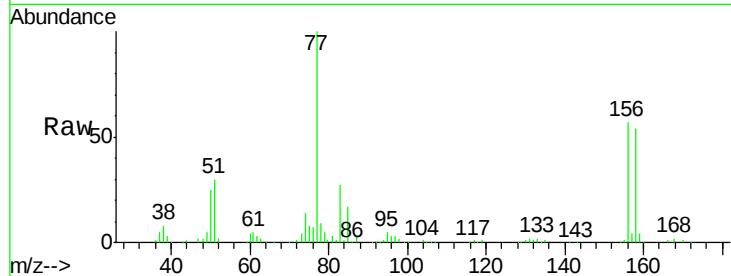
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.2	91.2	273.6
158	95.6	48.0	144.2

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#78

n-propylbenzene

Concen: 25.392 ug/l

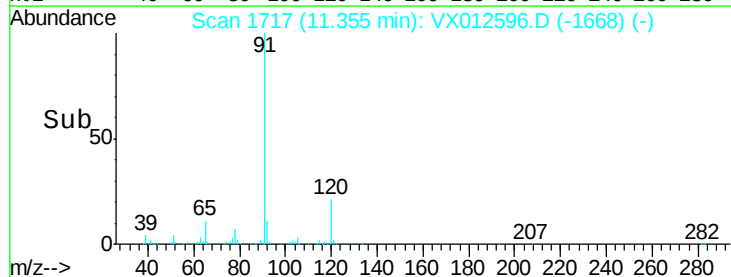
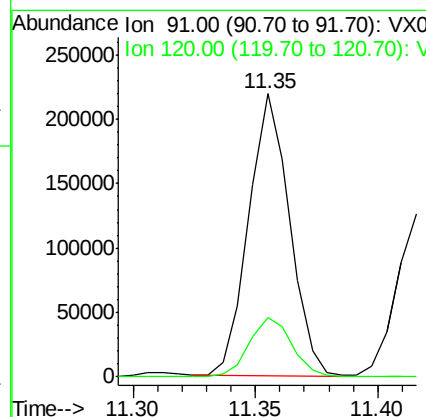
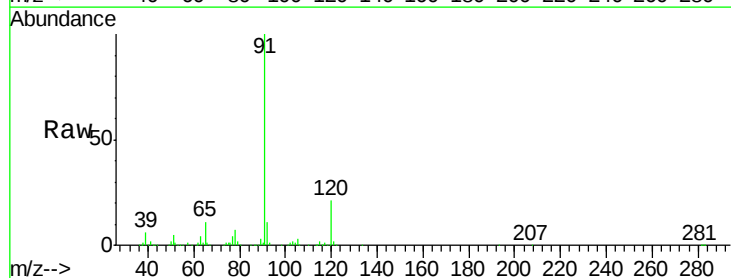
RT: 11.35 min Scan# 1717

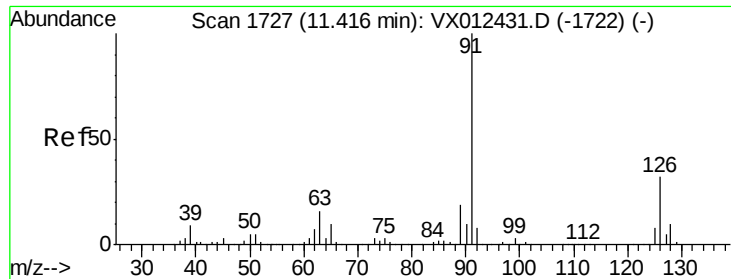
Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.3	33.8





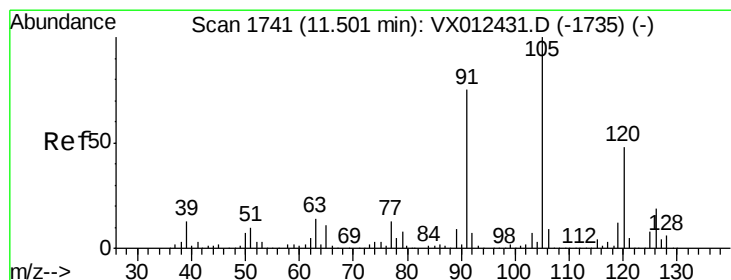
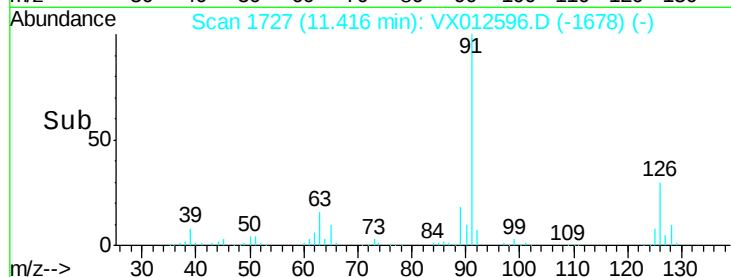
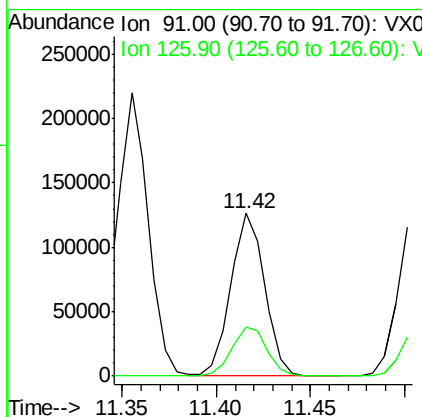
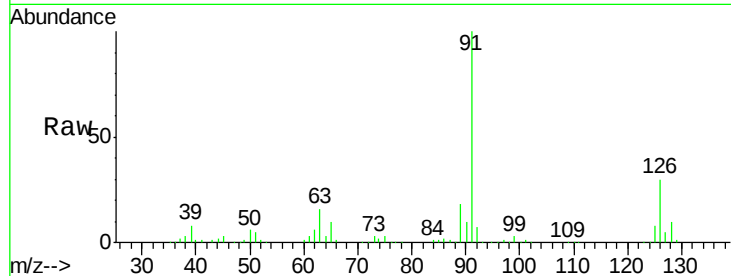
#79
 2-Chlorotoluene
 Concen: 24.063 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 156583
 Ion Ratio Lower Upper
 91 100
 126 31.3 16.1 48.3

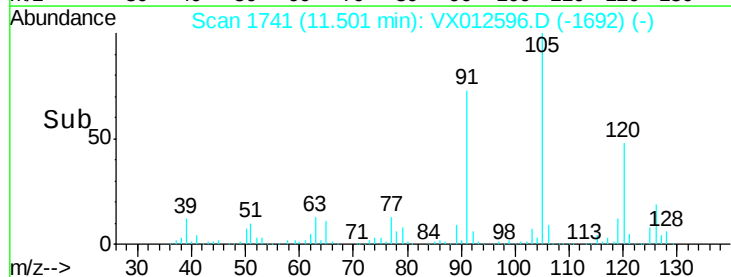
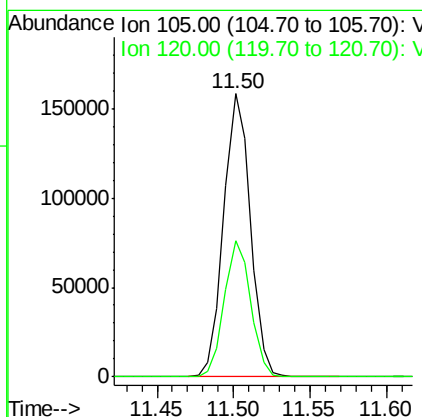
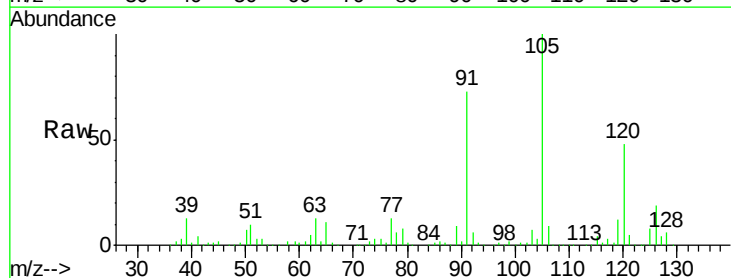
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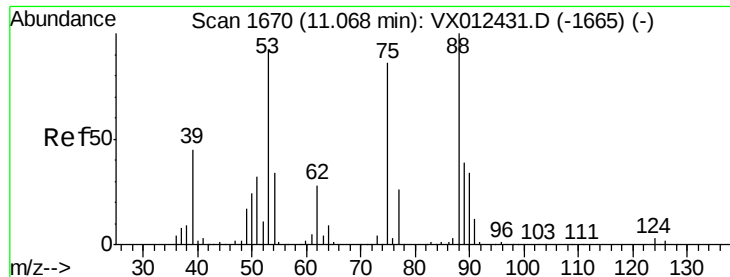
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#80
 1,3,5-Trimethylbenzene
 Concen: 25.029 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Tgt Ion: 105 Resp: 191659
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.1 72.2





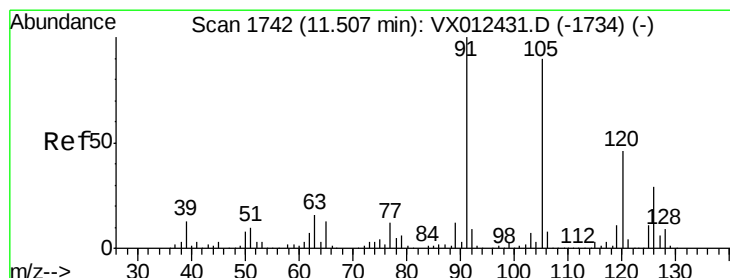
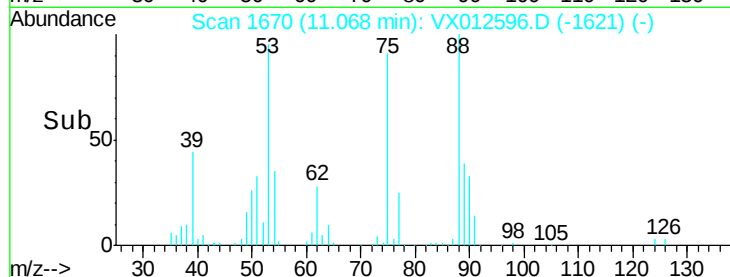
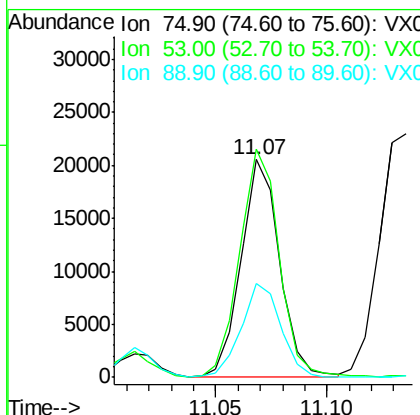
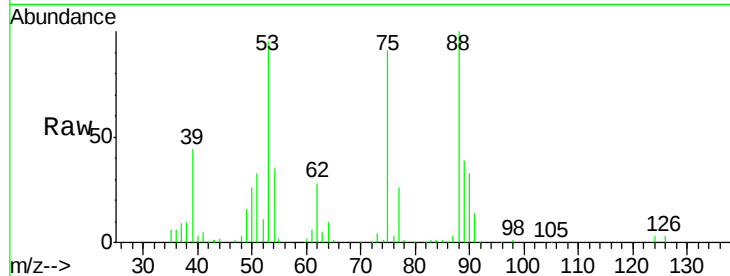
#81
trans-1,4-Dichloro-2-butene
Concen: 22.664 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.0	79.5	119.3
89	44.3	36.8	55.2

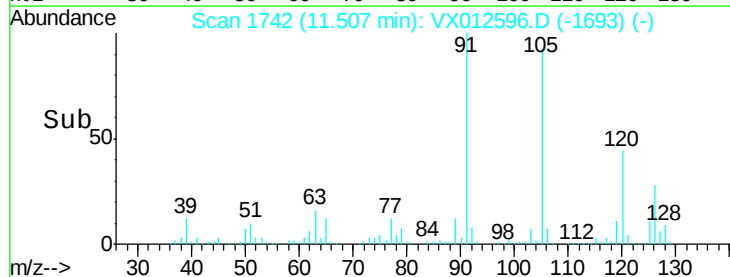
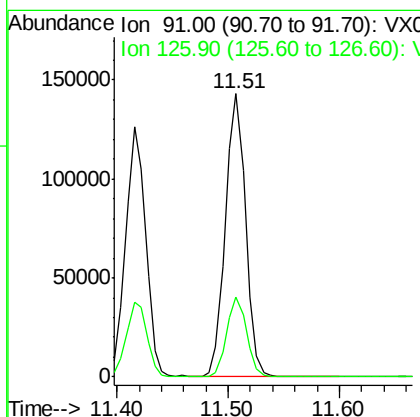
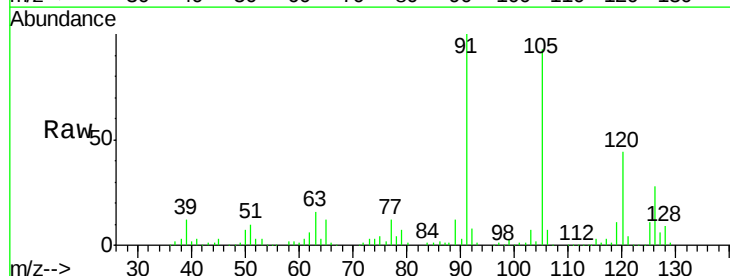
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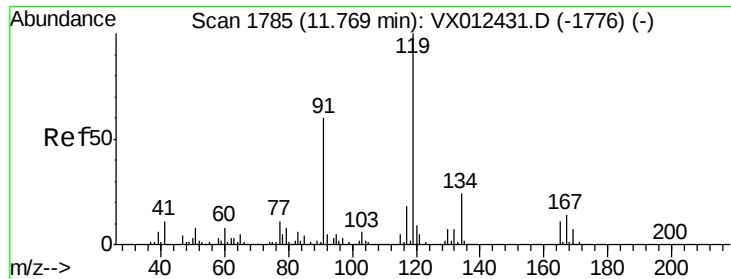
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#82
4-Chlorotoluene
Concen: 24.118 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	13.9	41.7





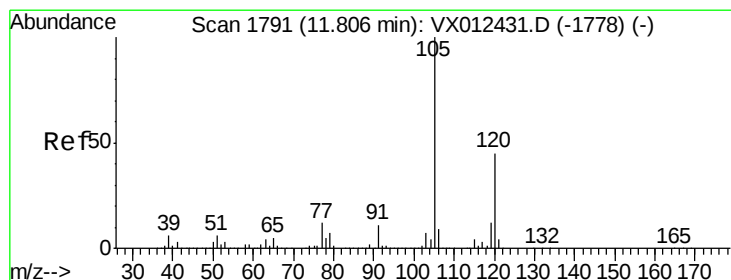
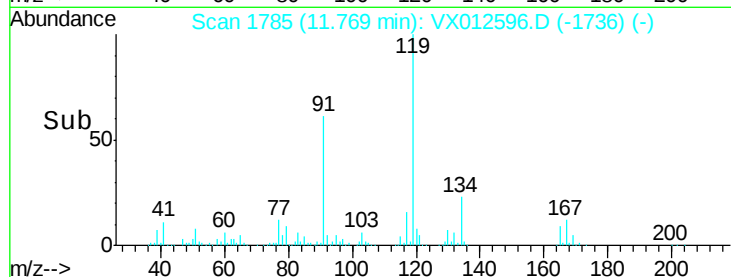
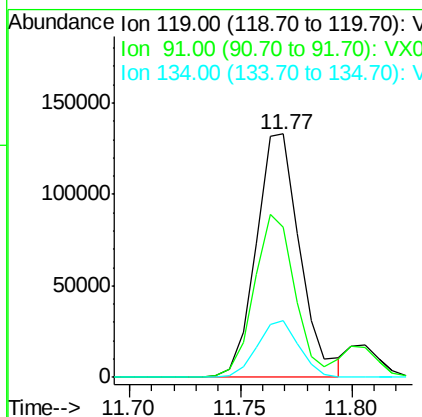
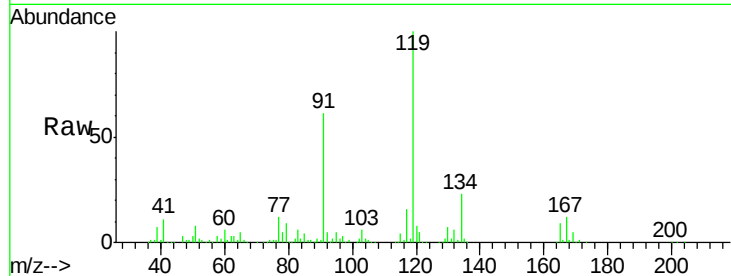
#83
tert-Butylbenzene
Concen: 22.626 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	182282		
91	62.3		31.1	93.5
134	22.4		11.5	34.5

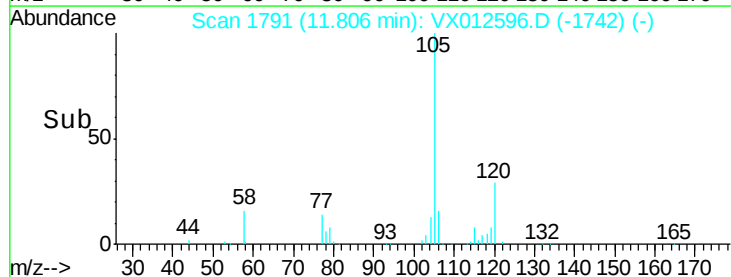
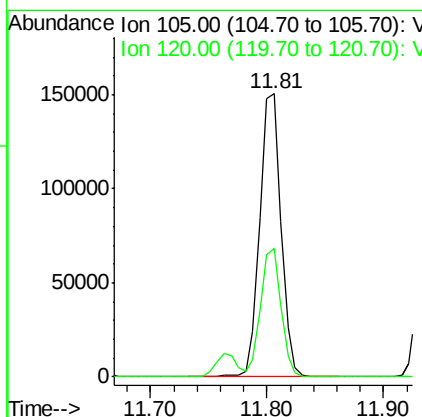
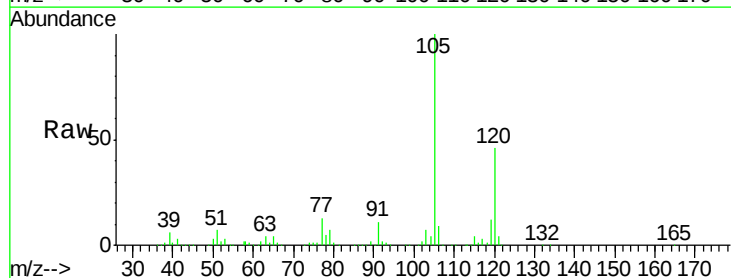
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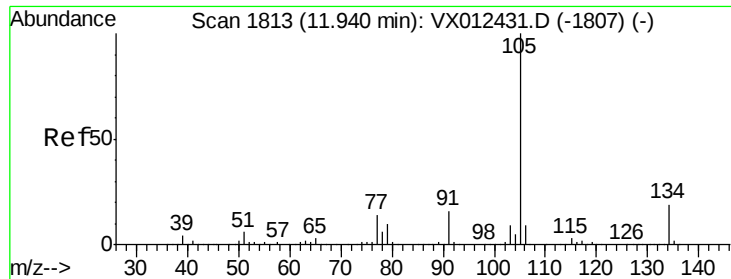
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#84
1,2,4-Trimethylbenzene
Concen: 24.685 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	193748		
120	43.7		22.3	66.8





#85

sec-Butylbenzene

Concen: 23.929 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 214410

Ion Ratio Lower Upper

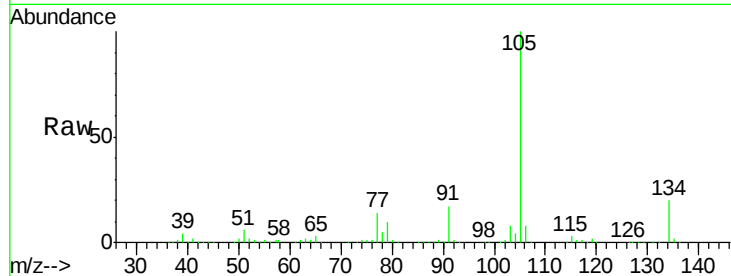
105 100

134 19.7 9.7 29.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

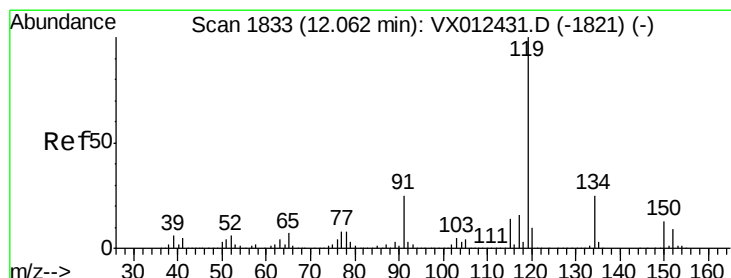
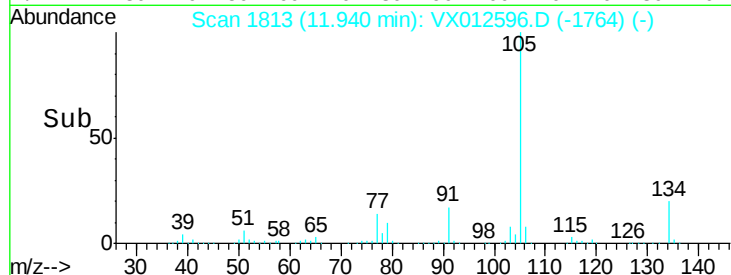
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 23.698 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

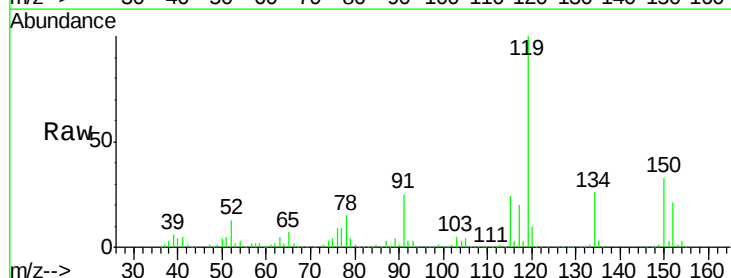
Tgt Ion:119 Resp: 194717

Ion Ratio Lower Upper

119 100

134 25.7 12.4 37.4

91 26.4 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

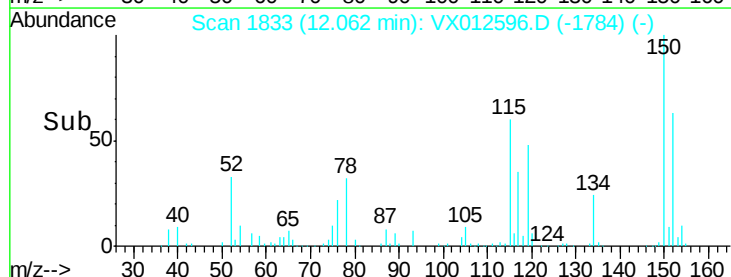
150000

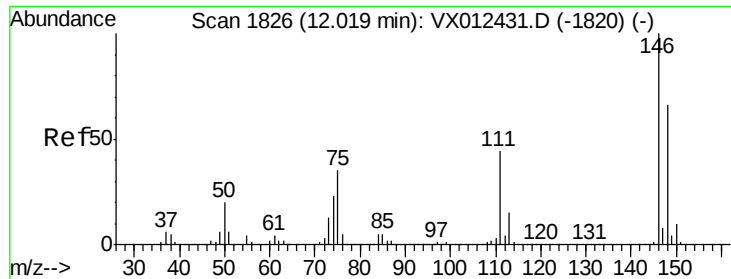
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 22.823 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

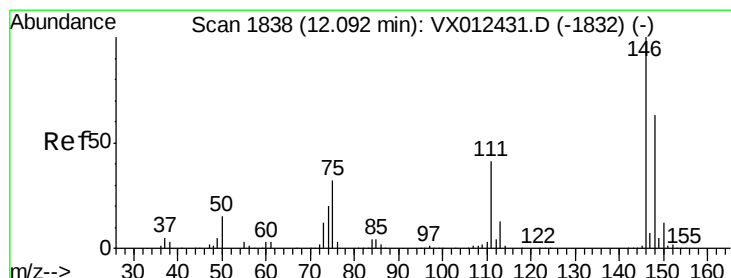
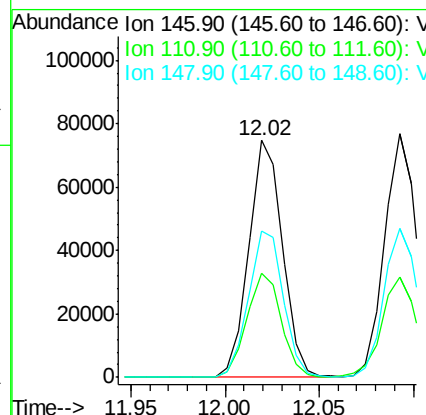
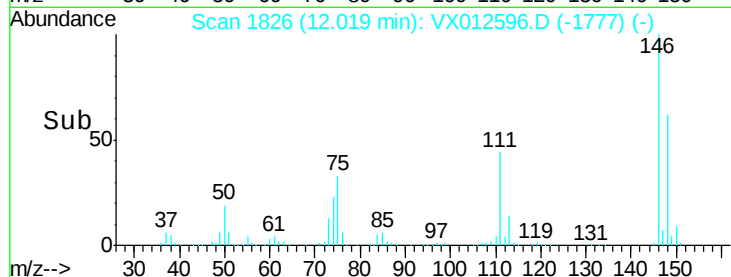
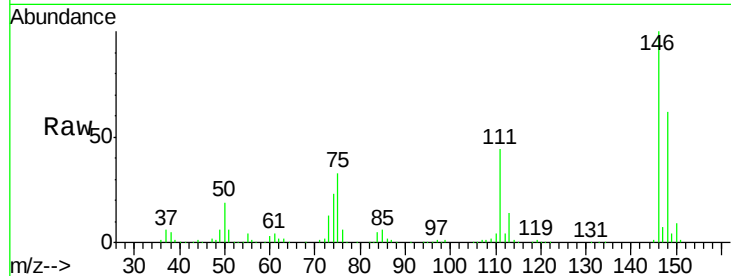
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	92584
Ion Ratio	Lower	Upper	
146	100		
111	44.9	22.3	66.9
148	63.9	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 22.507 ug/l

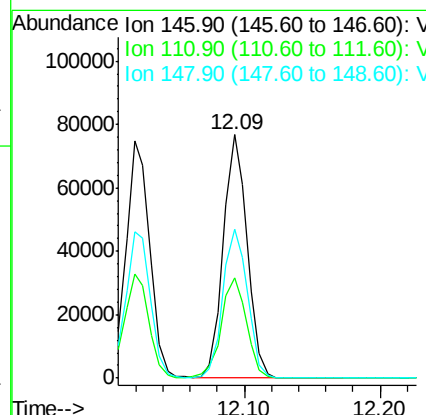
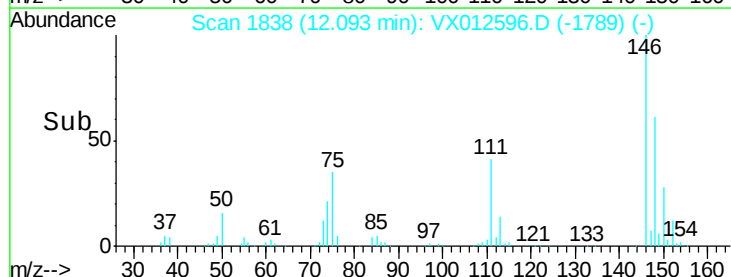
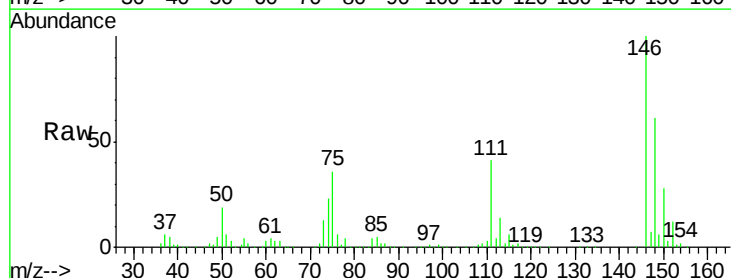
RT: 12.09 min Scan# 1838

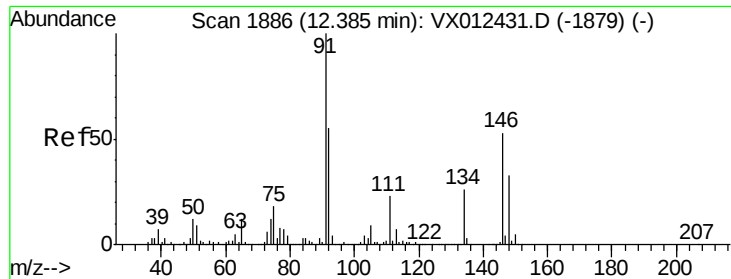
Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Tgt Ion:	146	Resp:	93580
Ion Ratio	Lower	Upper	
146	100		
111	43.5	21.7	65.1
148	63.2	31.8	95.3





#89

n-Butylbenzene

Concen: 22.697 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

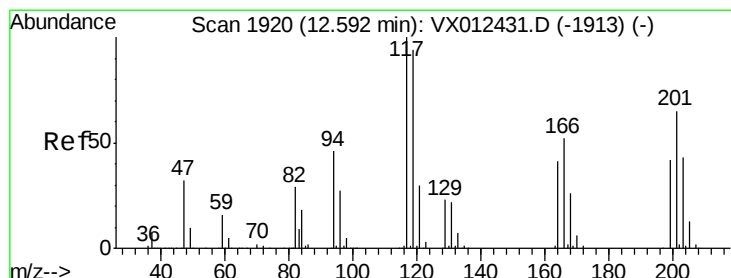
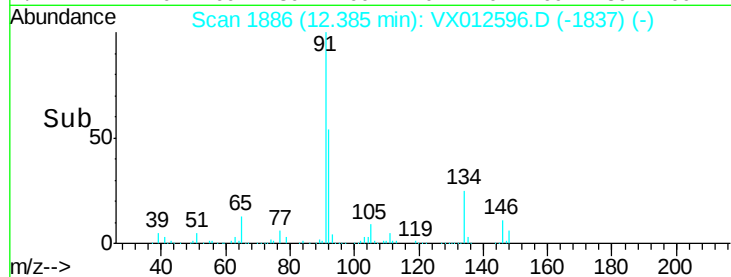
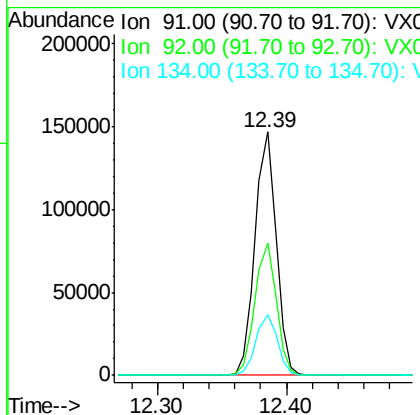
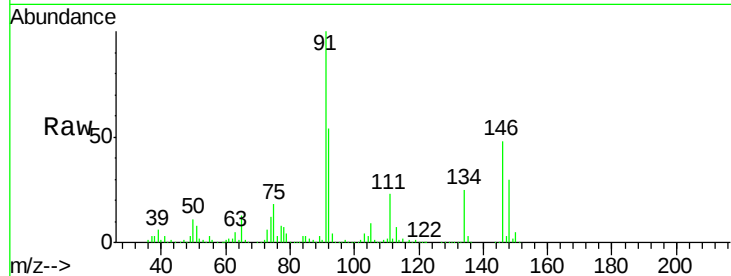
ClientSampleId :

VSTDIC020

Tot Ion:	91	Resp:	166017
Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.2	81.6
134	25.2	12.4	37.2

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#90

Hexachloroethane

Concen: 22.086 ug/l

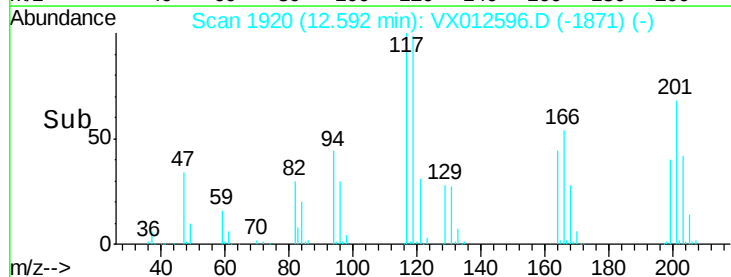
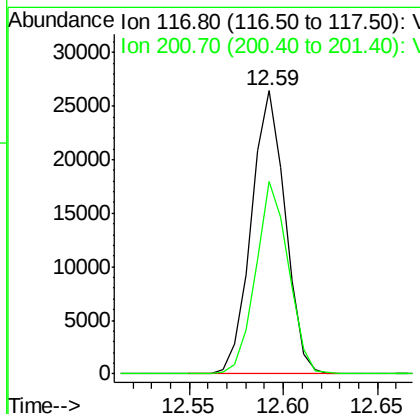
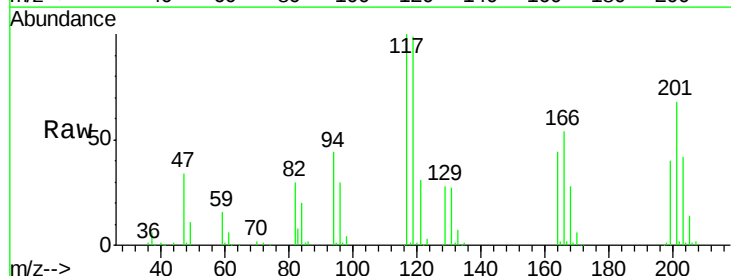
RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Tgt Ion:	117	Resp:	32919
Ion	Ratio	Lower	Upper
117	100		
201	65.7	34.0	101.8





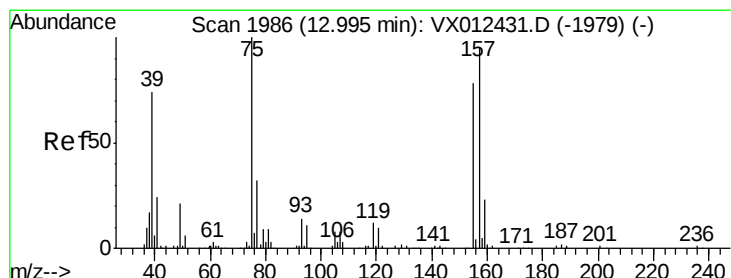
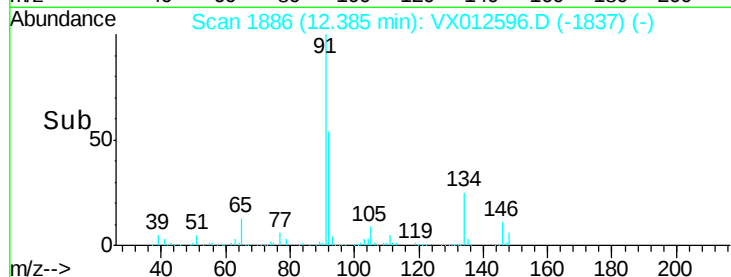
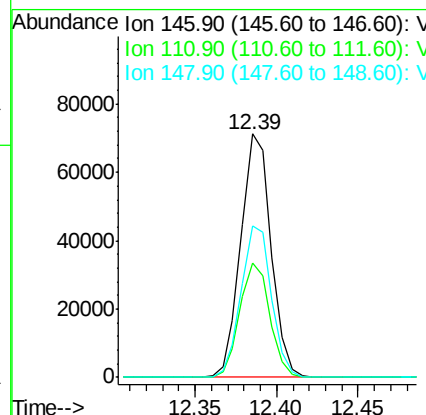
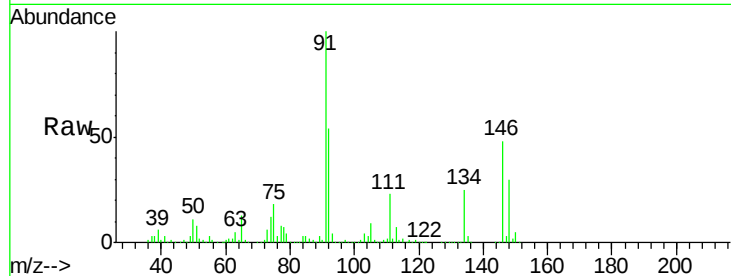
#91
 1,2-Dichlorobenzene
 Concen: 22.022 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.8	68.4
148	62.4	31.7	95.1

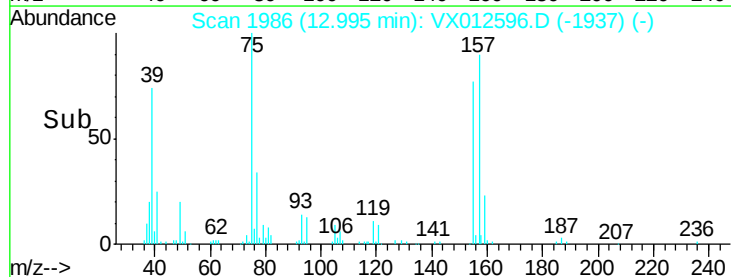
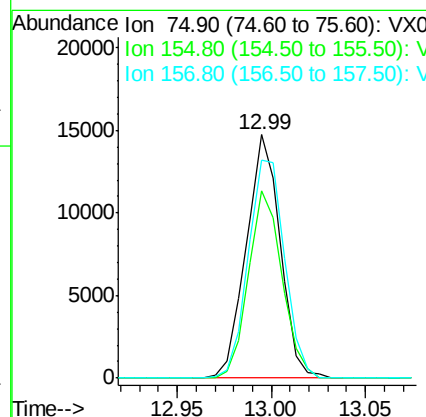
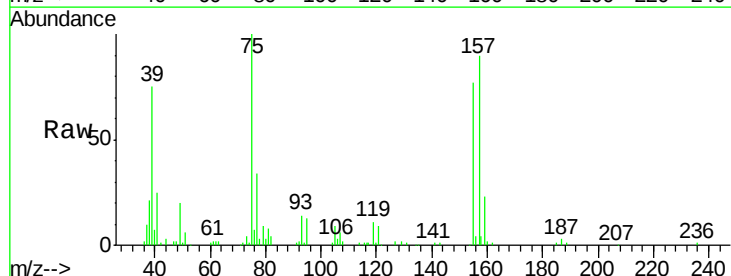
Manual Integrations
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 9/24/2019 10:07:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.677 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.2	38.7	116.1
157	96.4	48.5	145.6





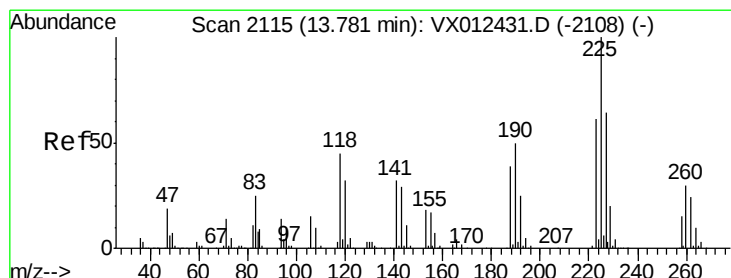
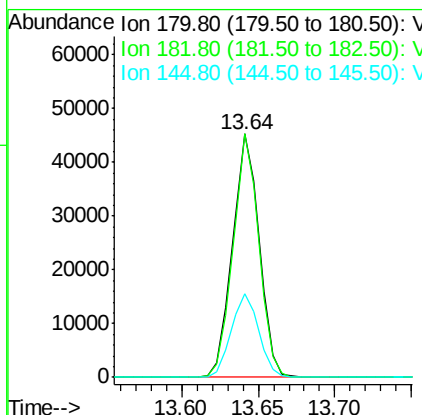
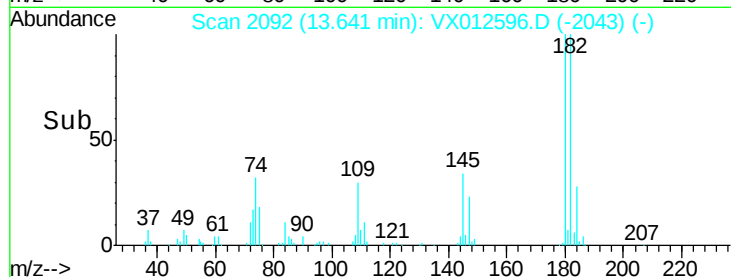
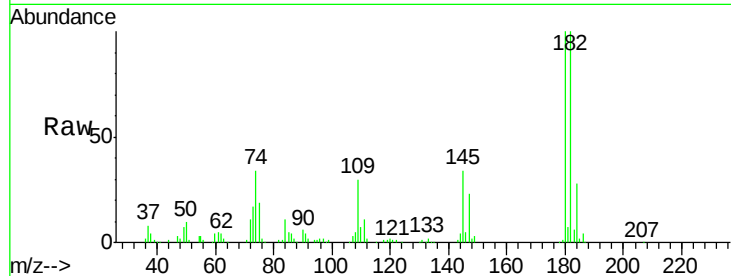
#93
 1,2,4-Trichlorobenzene
 Concen: 20.498 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.3	54703	47.8	143.3
145	35.3		17.1	51.3

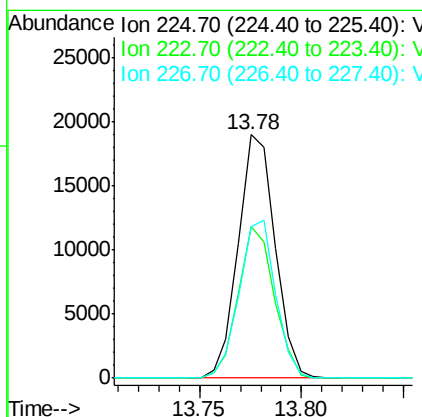
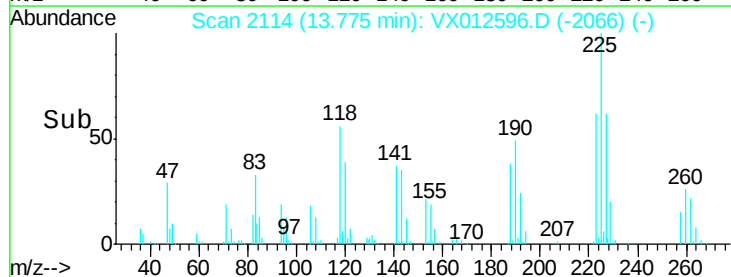
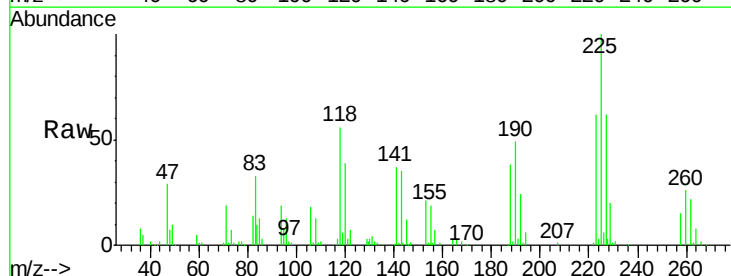
Manual Integrations
 APPROVED

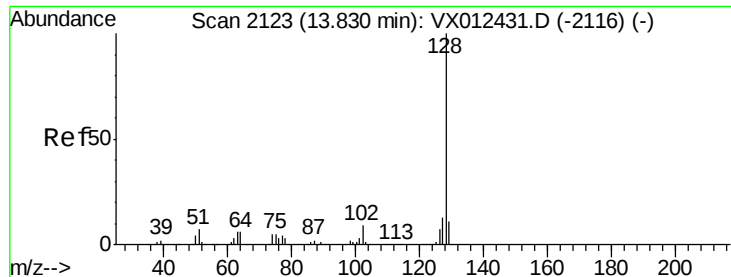
MMDadoda
 9/24/2019 10:07:28 AM



#94
 Hexachlorobutadiene
 Concen: 19.084 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23816		
223	60.6		31.7	95.1
227	64.0		31.1	93.5





#95

Naphthalene

Concen: 21.968 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

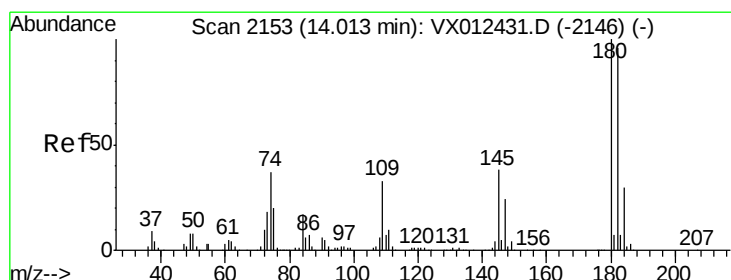
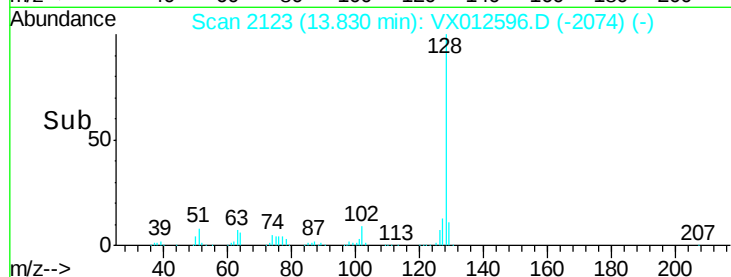
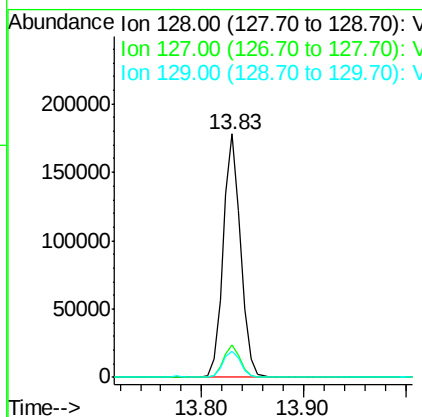
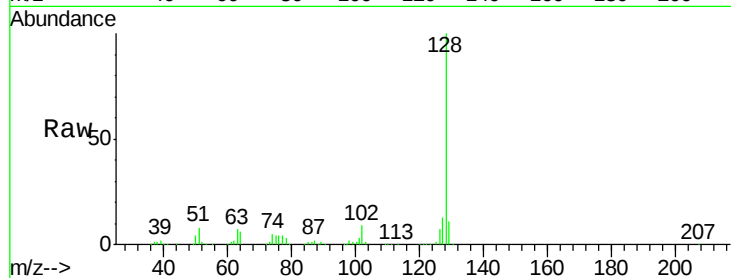
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.3	8.6	12.8

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 20.544 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.8	140.3
145	36.7	18.4	55.0

