

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100719\
 Data File : VX012878.D
 Acq On : 08 Oct 2019 07:56
 Operator : JC/SP
 Sample : K5122-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MSD

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 2:07:30 PM

Quant Time: Oct 08 13:26:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	155112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	274300	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	114924	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	108081	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
35) Dibromofluoromethane	5.49	113	84995	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
50) Toluene-d8	8.71	98	321117	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	11.14	95	126603	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	65345	37.448	ug/l	99
3) Chloromethane	1.31	50	77932	38.893	ug/l	100
4) Vinyl Chloride	1.40	62	84944	42.650	ug/l	98
5) Bromomethane	1.62	94	30012	38.327	ug/l	99
6) Chloroethane	1.70	64	56788	42.296	ug/l	99
7) Trichlorofluoromethane	1.92	101	122397	43.771	ug/l	100
8) Diethyl Ether	2.18	74	52908	46.170	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	77222	45.341	ug/l	98
10) Methyl Iodide	2.50	142	76466	43.349	ug/l	93
11) Tert butyl alcohol	3.04	59	136254	241.480	ug/l	99
12) 1,1-Dichloroethene	2.36	96	79381	47.598	ug/l	94
13) Acrolein	2.28	56	75088	239.345	ug/l	98
14) Allyl chloride	2.72	41	145046	43.837	ug/l	95
15) Acrylonitrile	3.13	53	280544	245.073	ug/l	98
16) Acetone	2.44	43	245924	205.552	ug/l	98
17) Carbon Disulfide	2.56	76	198421	42.439	ug/l	99
18) Methyl Acetate	2.77	43	121924	43.279	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	311648	49.370	ug/l	98
20) Methylene Chloride	2.84	84	96591	47.733	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	88501	47.900	ug/l	96
22) Diisopropyl ether	3.84	45	304557	47.636	ug/l	93
23) Vinyl Acetate	3.80	43	1136566	202.714	ug/l	97
24) 1,1-Dichloroethane	3.69	63	168787	48.567	ug/l	99
25) 2-Butanone	4.66	43	383597	223.611	ug/l	96
26) 2,2-Dichloropropane	4.57	77	83356	26.968	ug/l	91
27) cis-1,2-Dichloroethene	4.58	96	105644	49.279	ug/l	88
28) Bromochloromethane	5.01	49	63582	50.386	ug/l	96
29) Tetrahydrofuran	5.12	42	248700	237.857	ug/l	95
30) Chloroform	5.20	83	170798	48.037	ug/l	98
31) Cyclohexane	5.57	56	138824	44.155	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	147083	46.675	ug/l	99
36) 1,1-Dichloropropene	5.79	75	121973	46.133	ug/l	97
37) Ethyl Acetate	4.82	43	129810	41.995	ug/l	96
38) Carbon Tetrachloride	5.77	117	123203	45.872	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	138063	43.375	ug/l	94
40) Benzene	6.13	78	375152	48.224	ug/l	96
41) Methacrylonitrile	5.03	41	81100	46.762	ug/l	95
42) 1,2-Dichloroethane	6.19	62	139183	47.115	ug/l	98
43) Isopropyl Acetate	6.44	43	223513	43.239	ug/l	96
44) Trichloroethene	7.21	130	97479	49.016	ug/l	98
45) 1,2-Dichloropropane	7.51	63	100182	50.300	ug/l	99
46) Dibromomethane	7.65	93	65840	48.553	ug/l	99
47) Bromodichloromethane	7.89	83	132023	48.713	ug/l	99
48) Methyl methacrylate	7.76	41	116808	47.126	ug/l	91
49) 1,4-Dioxane	7.73	88	54529	969.932	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	759766	238.106	ug/l	95
52) Toluene	8.78	92	238443	48.768	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	135548	45.204	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	147754	45.129	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	99285	51.076	ug/l	98
56) Ethyl methacrylate	9.17	69	163889	50.185	ug/l	91
57) 1,3-Dichloropropane	9.37	76	170286	50.054	ug/l	99
59) 2-Hexanone	9.49	43	588752	241.053	ug/l	93
60) Dibromochloromethane	9.58	129	102627	52.155	ug/l	99
61) 1,2-Dibromoethane	9.67	107	103879	51.348	ug/l	99
64) Tetrachloroethene	9.33	164	78449	45.740	ug/l	95
65) Chlorobenzene	10.14	112	252331	48.711	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	97089	51.729	ug/l	99
67) Ethyl Benzene	10.25	91	463151	49.296	ug/l	100
68) m/p-Xylenes	10.36	106	345597	98.195	ug/l	99
69) o-Xylene	10.70	106	169739	49.842	ug/l	100
70) Stvrene	10.71	104	296159	51.875	ug/l	98
71) Bromoform	10.86	173	71686	54.853	ug/l #	98
73) Isopropylbenzene	11.01	105	446823	47.737	ug/l	100
74) N-amyl acetate	10.89	43	186972	41.871	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.26	83	158994	51.289	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	144870m	47.654	ug/l	
77) Bromobenzene	11.25	156	105779	49.932	ug/l	100
78) n-propylbenzene	11.35	91	499261	47.378	ug/l	99
79) 2-Chlorotoluene	11.42	91	313095	47.628	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	380089	48.423	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	40640	38.311	ug/l	97
82) 4-Chlorotoluene	11.51	91	361300	48.213	ug/l	99
83) tert-Butylbenzene	11.76	119	371031	49.002	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	388354	49.046	ug/l	97
85) sec-Butylbenzene	11.94	105	429308	48.748	ug/l	100
86) p-Isopropyltoluene	12.06	119	393367	49.502	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	193204	50.678	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	194350	50.449	ug/l	99
89) n-Butylbenzene	12.39	91	318392	45.469	ug/l	99
90) Hexachloroethane	12.59	117	68680	48.479	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	194850	51.051	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	39449	50.873	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	118498	50.908	ug/l	99

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QLast Update : Mon Sep 23 12:27:01 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	49654	49.586	ug/l	98
95) Naphthalene	13.83	128	424388	50.393	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	121051	51.915	ug/l	99

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

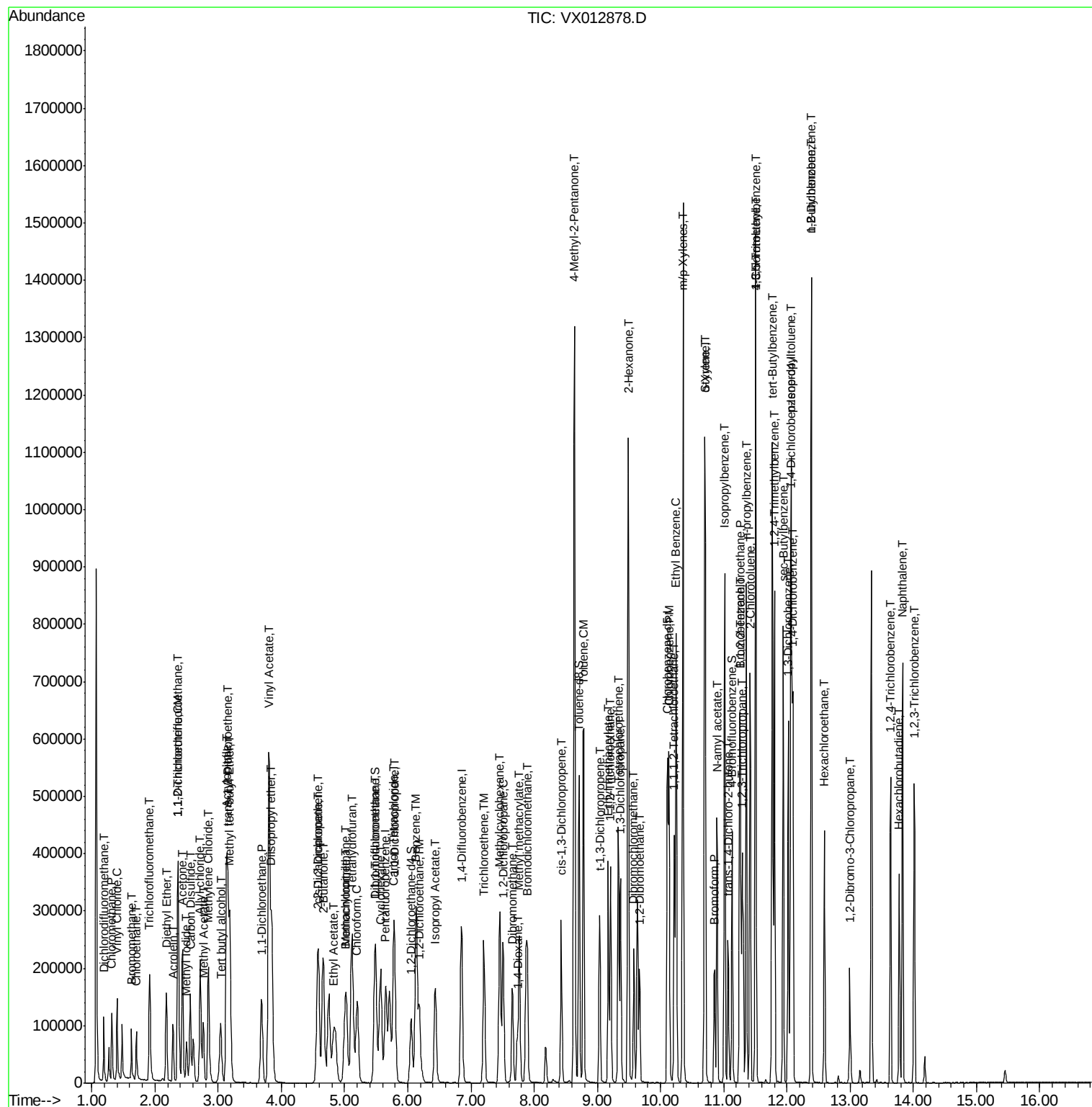
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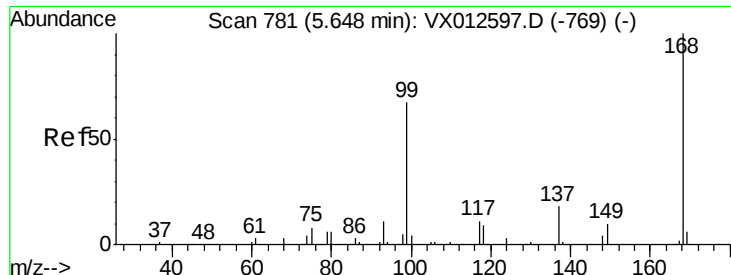
Instrument :
 MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion:168 Resp: 155112

Ion Ratio Lower Upper

168 100

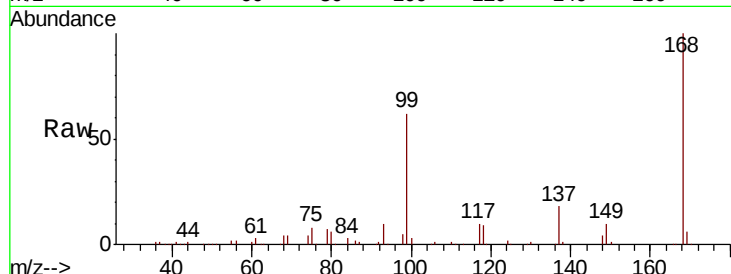
99 62.1 51.4 77.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

50000

40000

30000

20000

10000

0

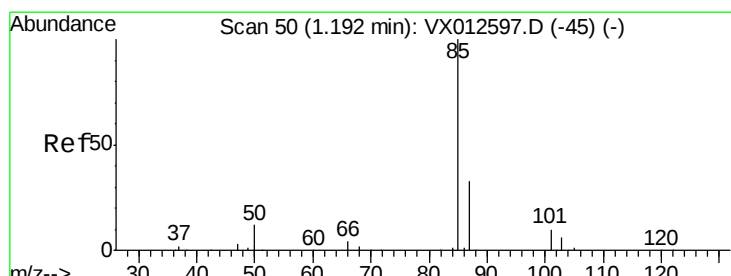
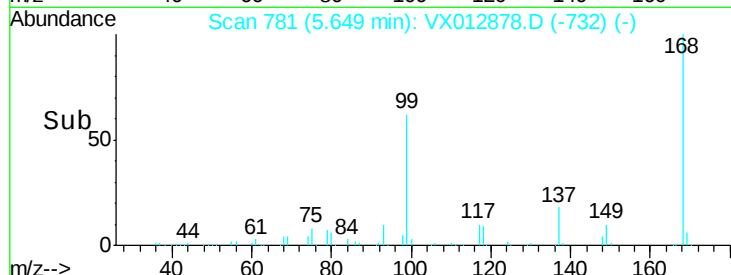
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 37.448 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012878.D

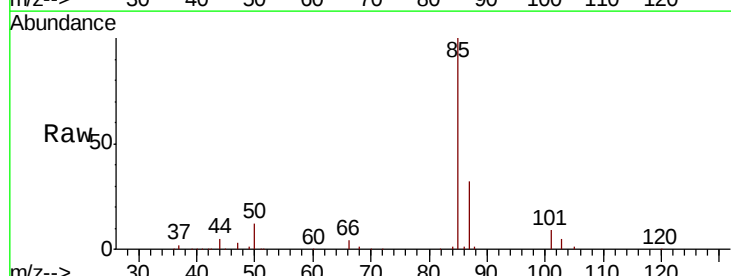
Acq: 08 Oct 2019 07:56

Tgt Ion: 85 Resp: 65345

Ion Ratio Lower Upper

85 100

87 31.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

40000

20000

0

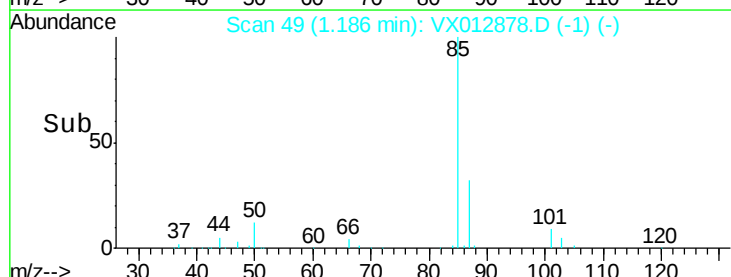
1.15

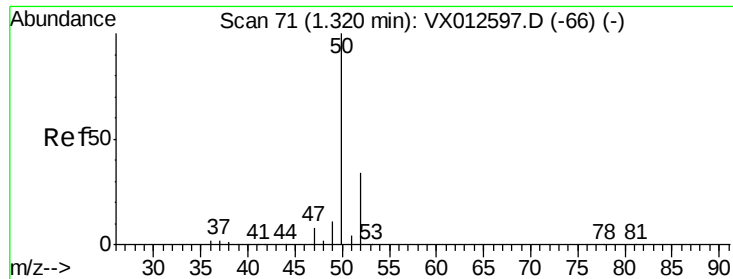
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 38.893 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 50 Resp: 77932

Ion Ratio Lower Upper

50 100

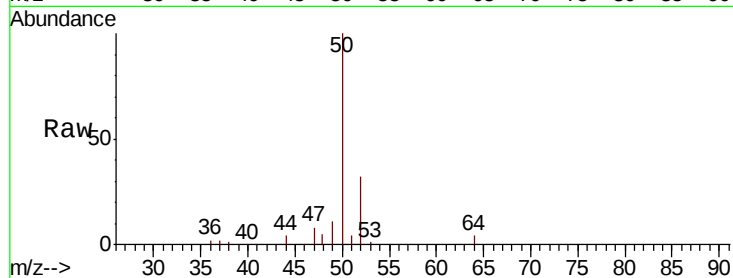
52 31.9 25.7 38.5

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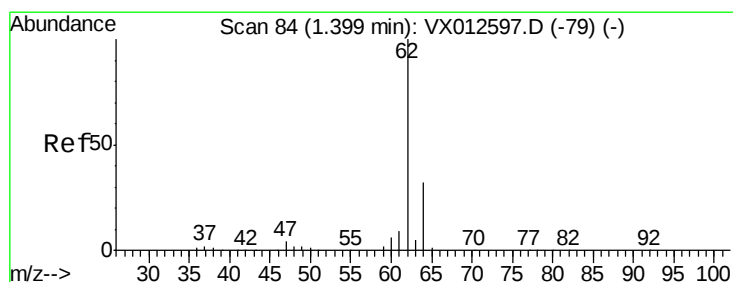
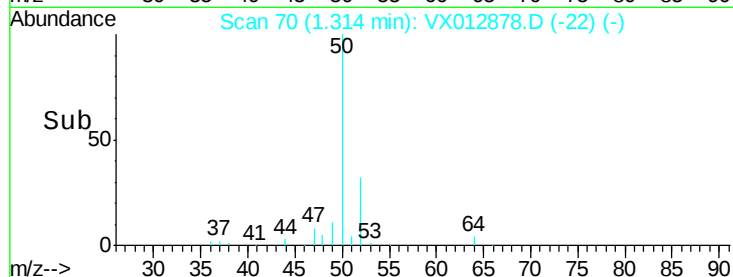
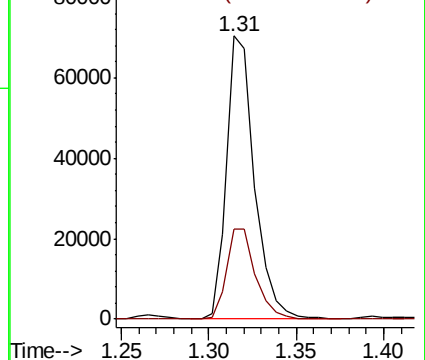
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 42.650 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012878.D

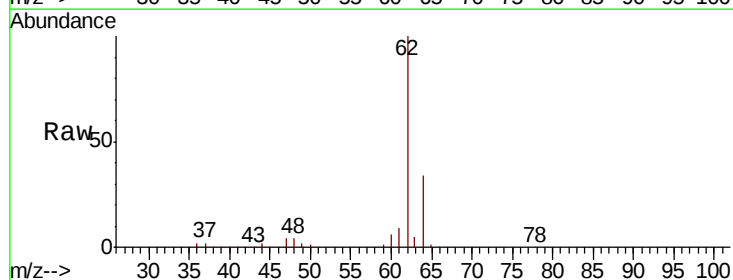
Acq: 08 Oct 2019 07:56

Tgt Ion: 62 Resp: 84944

Ion Ratio Lower Upper

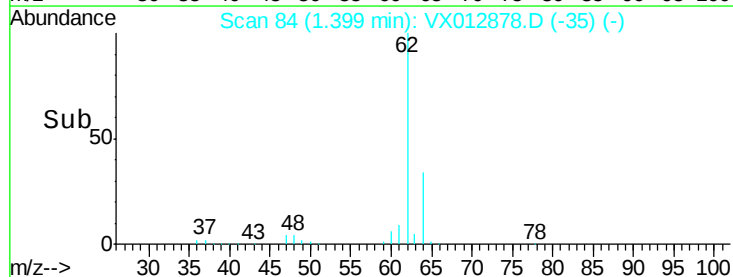
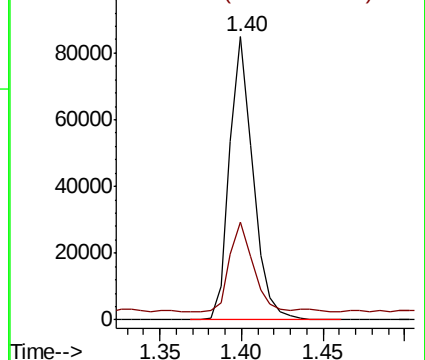
62 100

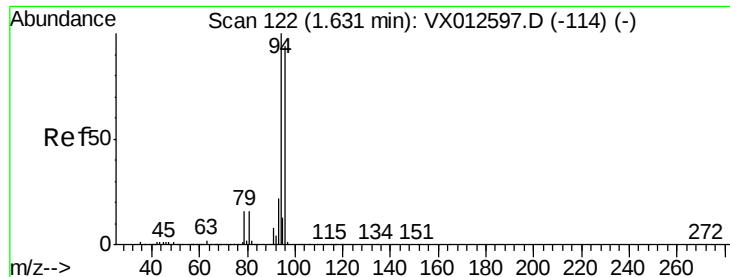
64 31.5 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 38.327 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012878.D

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ClientSampleId :

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Tot Ion: 94 Resp: 30012

Ion Ratio Lower Upper

94 100

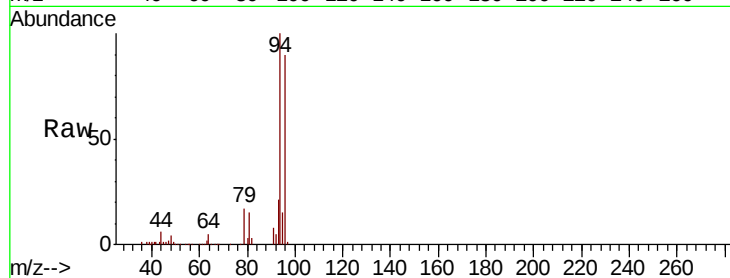
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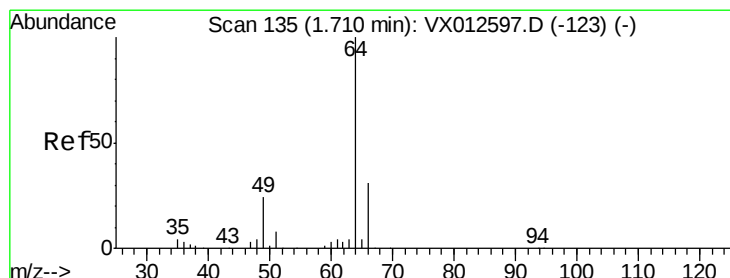
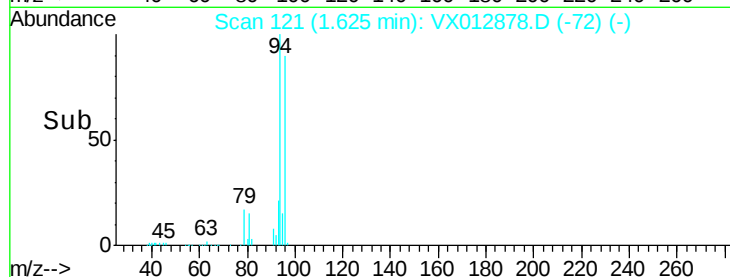
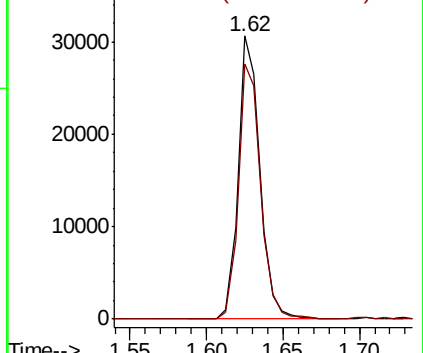
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 42.296 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012878.D

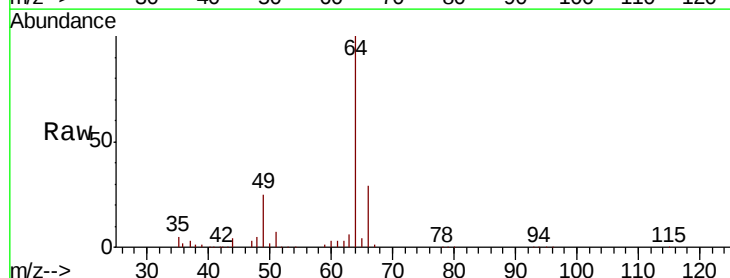
Acq: 08 Oct 2019 07:56

Tgt Ion: 64 Resp: 56788

Ion Ratio Lower Upper

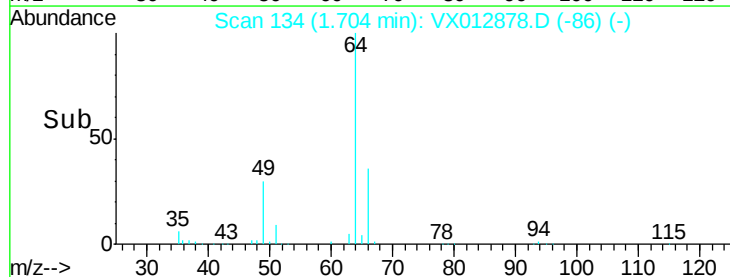
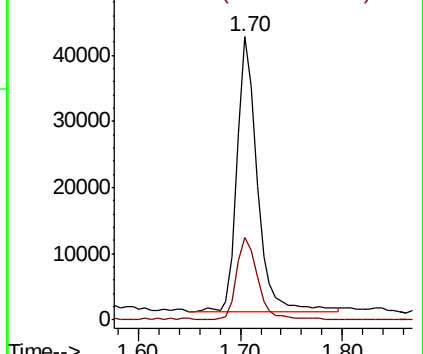
64 100

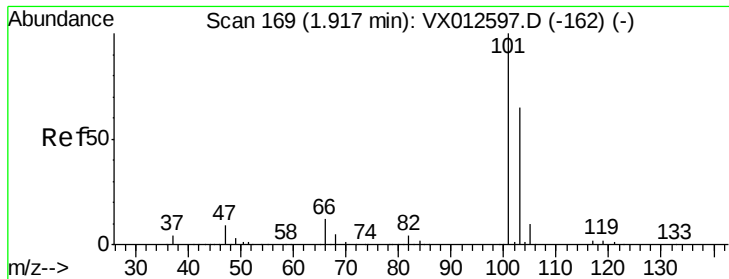
66 29.5 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

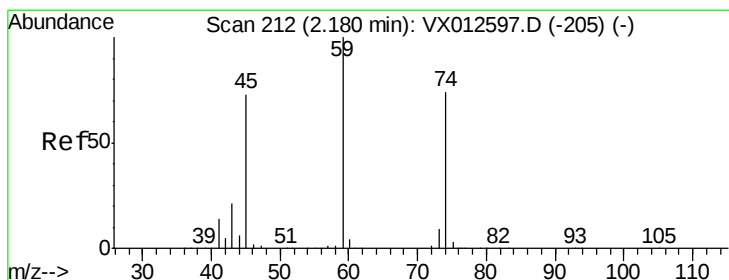
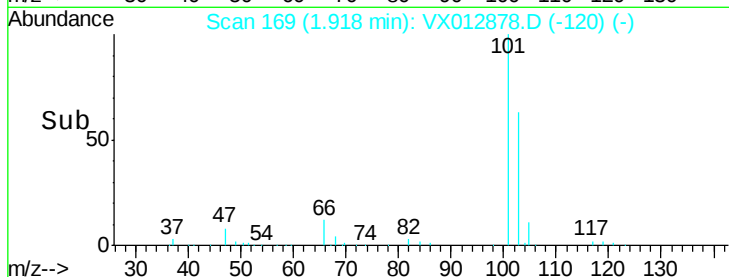
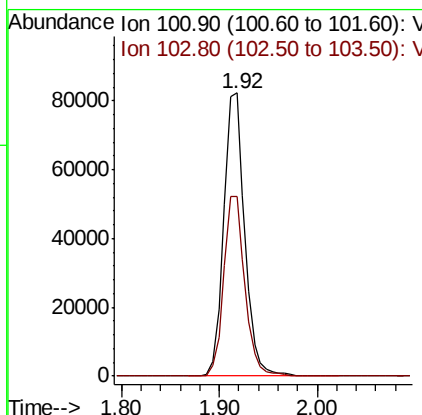
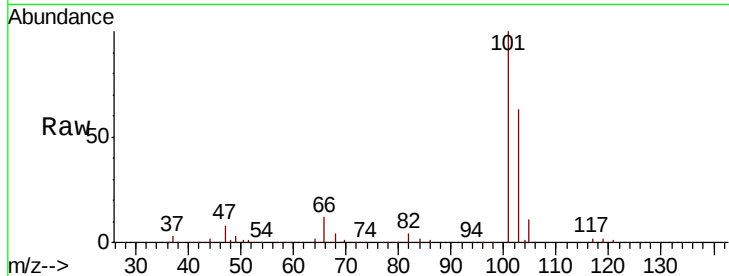
Trichlorofluoromethane
 Concen: 43.771 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.0	76.4

Manual Integrations
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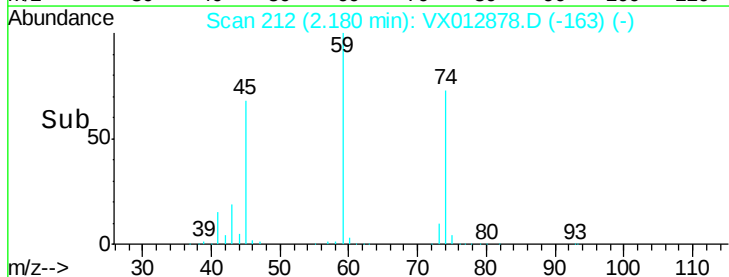
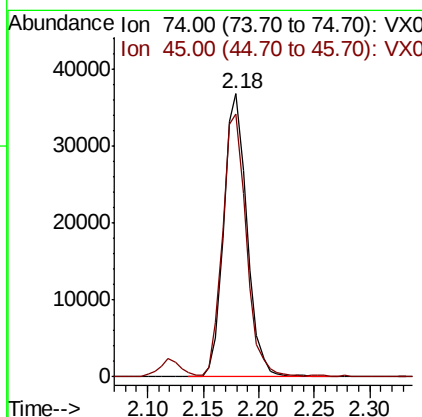
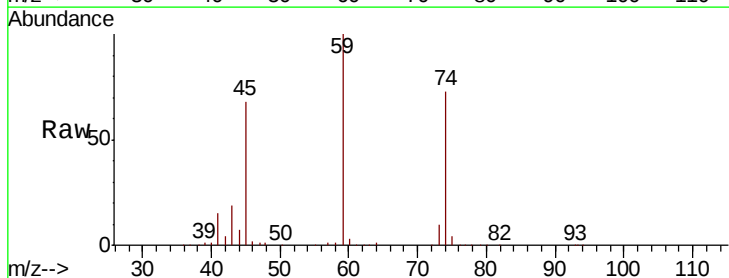
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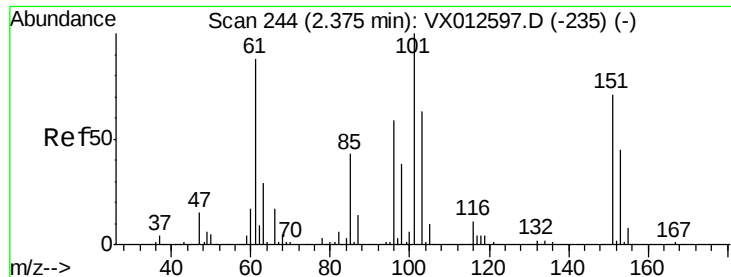


#8

Diethyl Ether
 Concen: 46.170 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.341 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

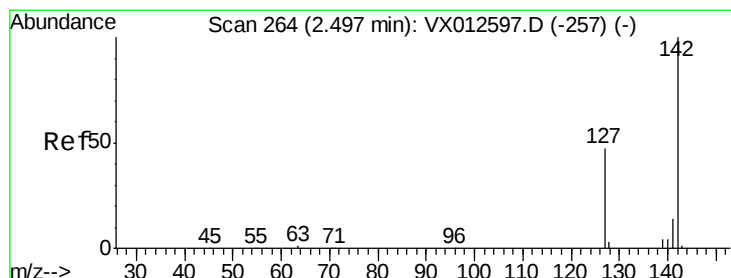
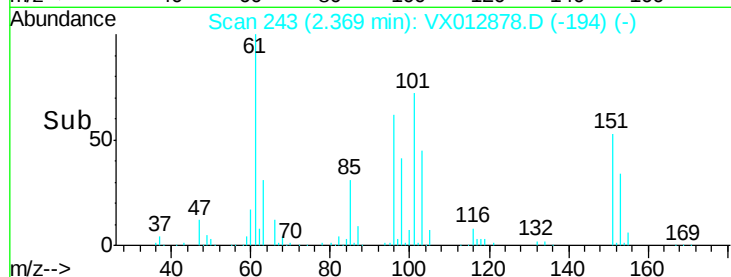
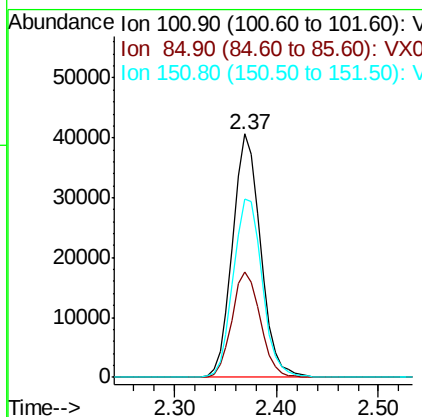
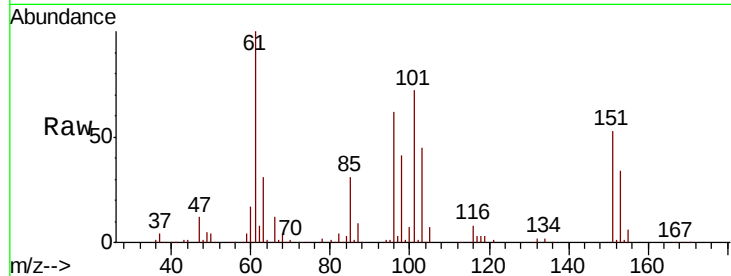
ClientSampleId :

FA19-MMW3414MSD

Tot Ion:	101	Resp:	77222
Ion Ratio	Lower	Upper	
101	100		
85	43.7	37.3	55.9
151	76.0	61.0	91.4

Manual Integrations
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#10

Methyl Iodide

Concen: 43.349 ug/l

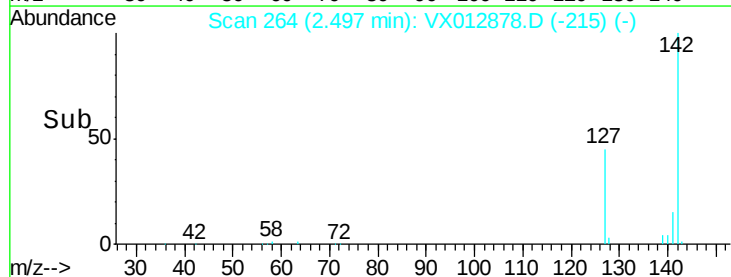
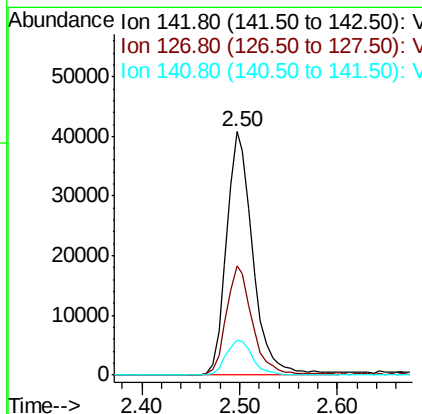
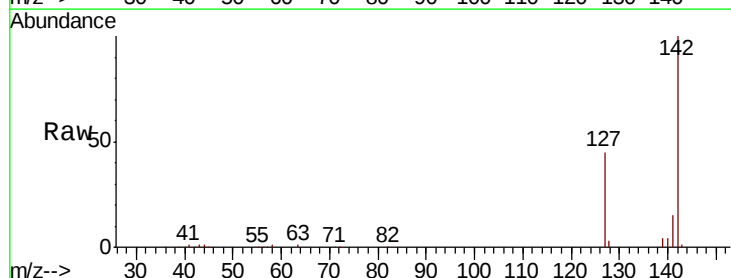
RT: 2.50 min Scan# 264

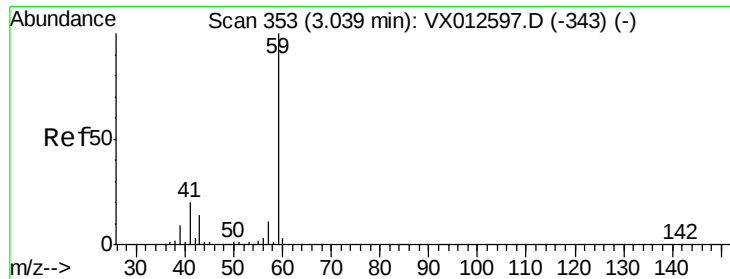
Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Tgt Ion:	142	Resp:	76466
Ion Ratio	Lower	Upper	
142	100		
127	44.7	40.8	61.2
141	14.6	12.1	18.1





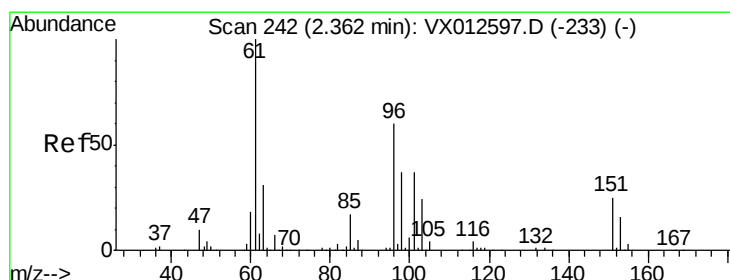
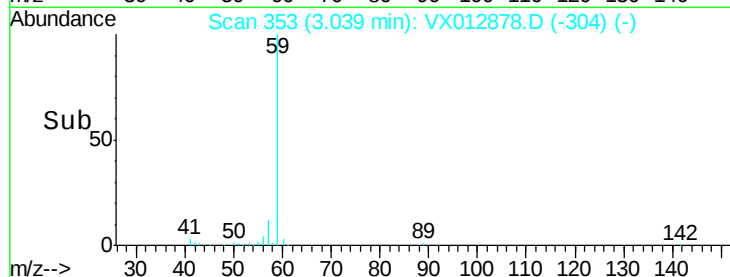
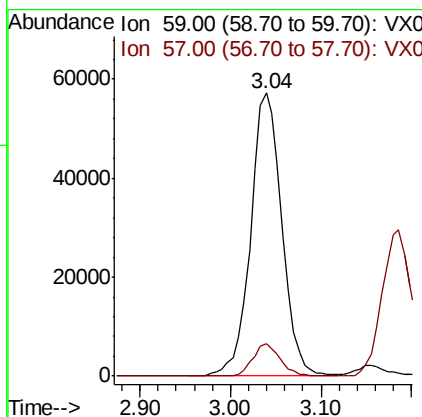
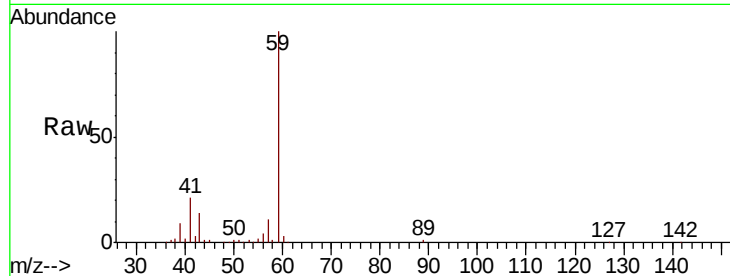
#11
Tert butyl alcohol
Concen: 241.480 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MSD

Tot Ion: 59 Resp: 136254
Ion Ratio Lower Upper
59 100
57 10.0 8.3 12.5

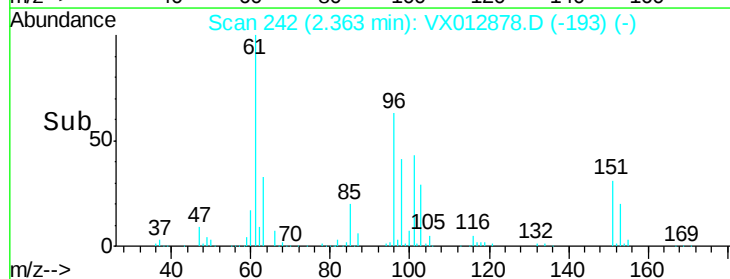
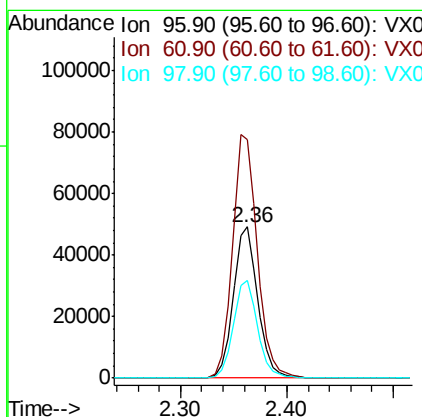
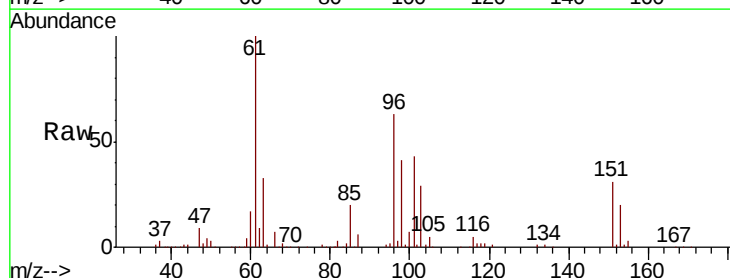
Manual Integrations
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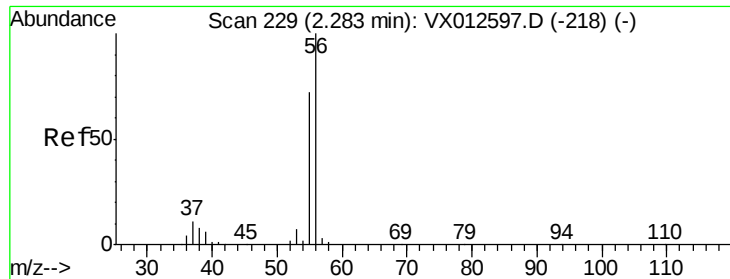
MMDadoda
10/8/2019 2:07:30 PM



#12
1,1-Dichloroethene
Concen: 47.598 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Tgt Ion: 96 Resp: 79381
Ion Ratio Lower Upper
96 100
61 157.5 133.8 200.6
98 64.6 49.9 74.9





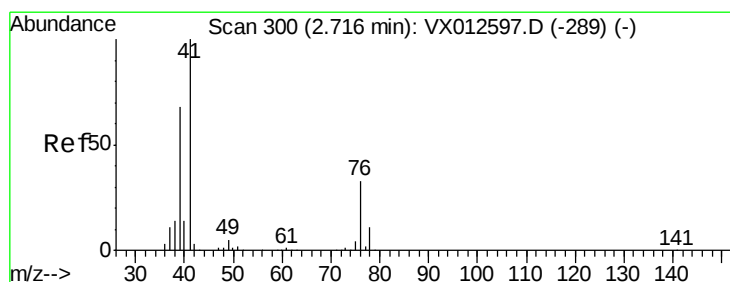
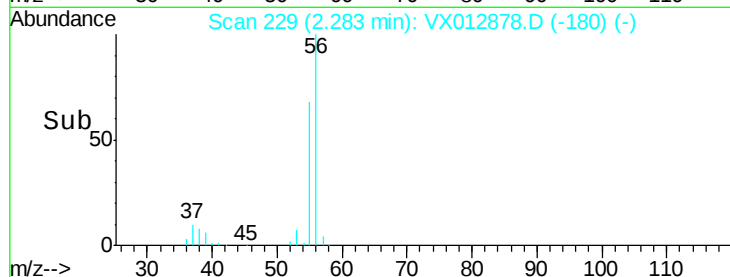
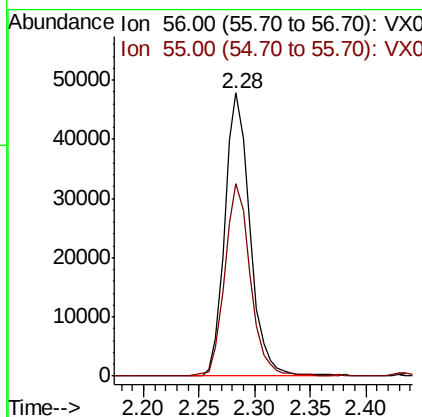
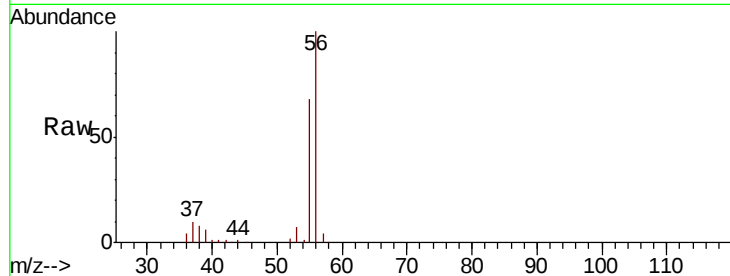
#13
Acrolein
Concen: 239.345 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.3	55.8	83.8

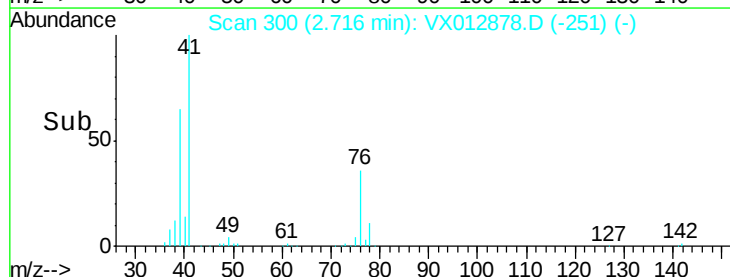
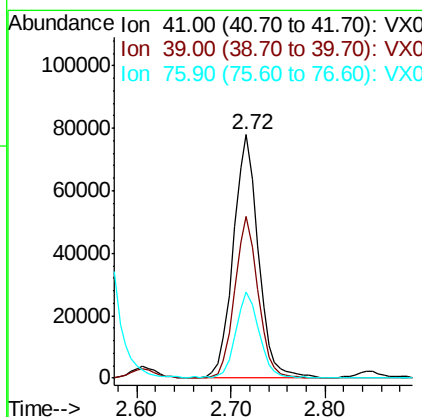
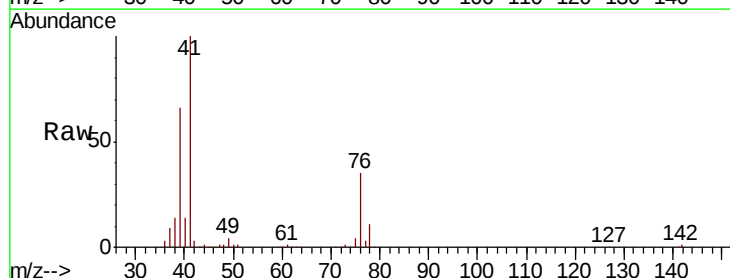
Manual Integrations
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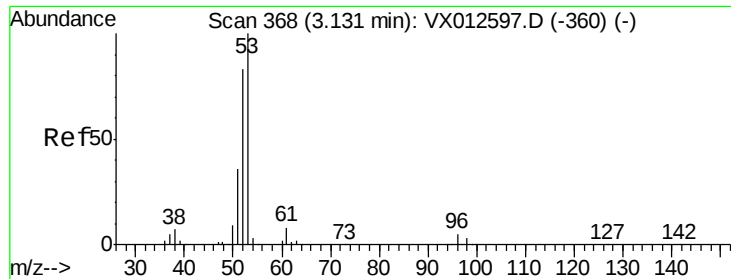
MMDadoda
10/8/2019 2:07:30 PM



#14
Allyl chloride
Concen: 43.837 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.7	51.3	76.9
76	32.5	22.6	33.8





#15

Acrylonitrile

Concen: 245.073 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

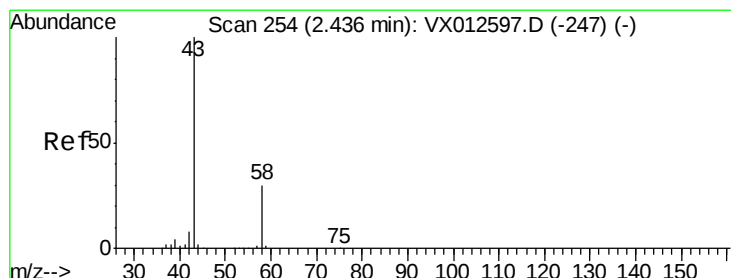
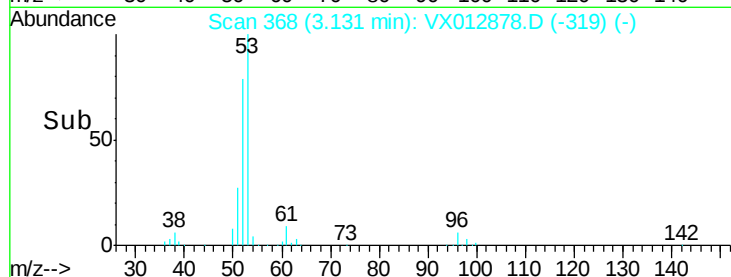
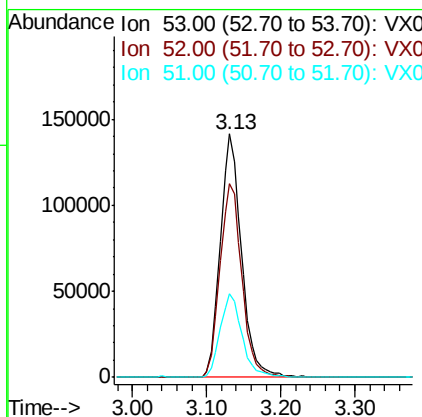
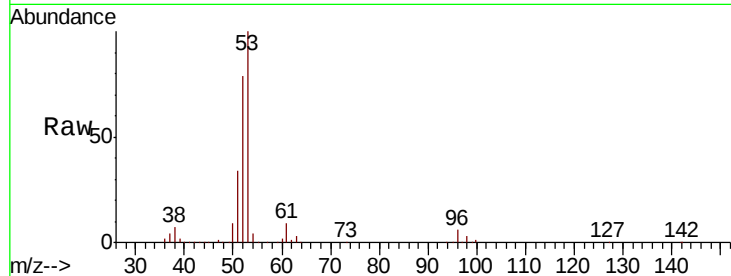
ClientSampleId :

FA19-MMW3414MSD

Tot Ion:	53	Resp:	280544
Ion Ratio	Lower	Upper	
53	100		
52	82.1	67.0	100.4
51	35.6	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 205.552 ug/l

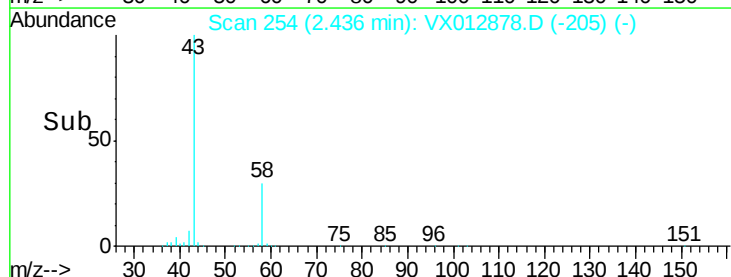
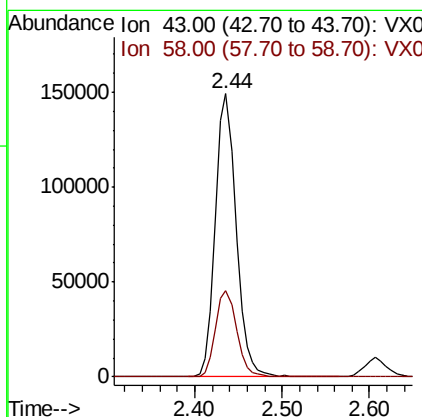
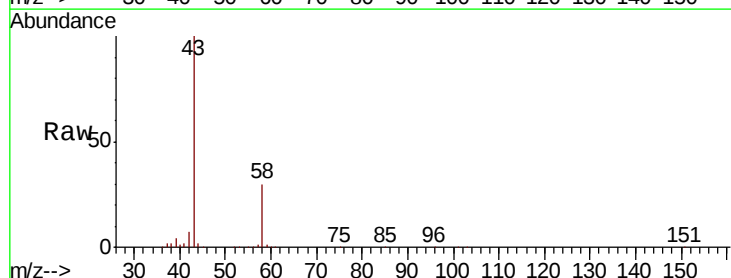
RT: 2.44 min Scan# 254

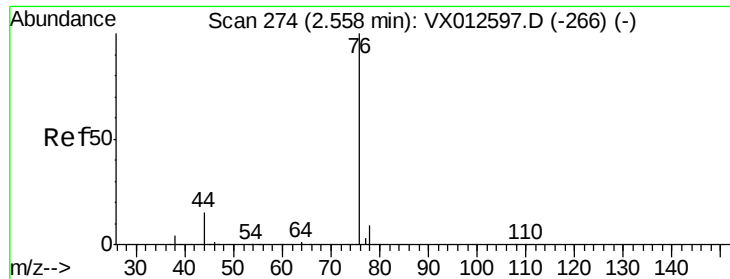
Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Tgt Ion:	43	Resp:	245924
Ion Ratio	Lower	Upper	
43	100		
58	30.4	23.3	34.9





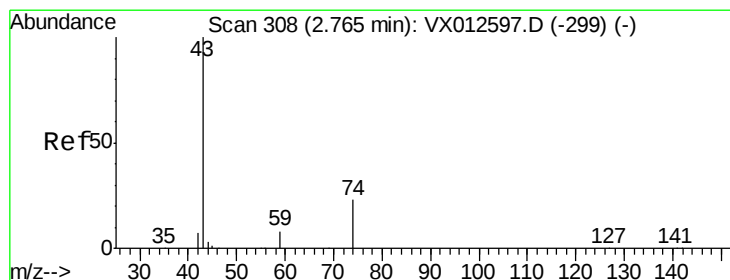
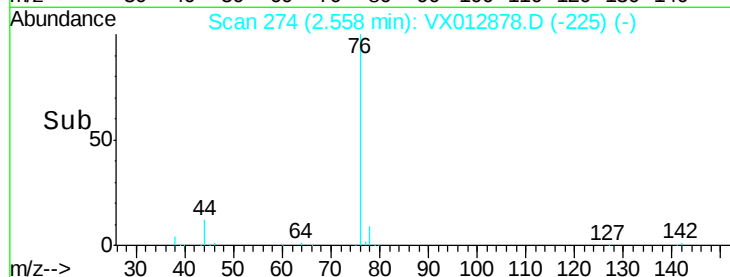
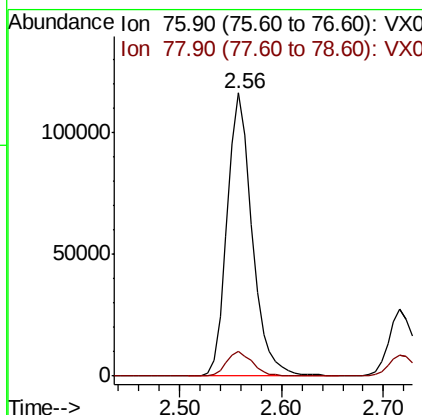
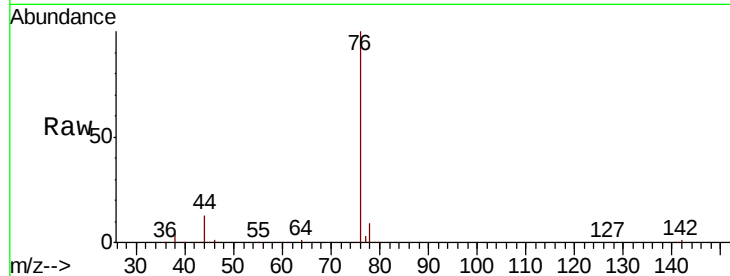
#17
Carbon Disulfide
Concen: 42.439 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

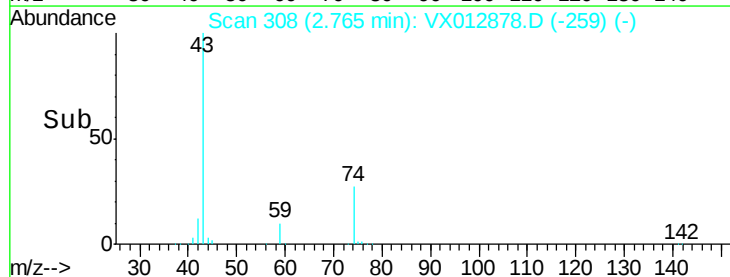
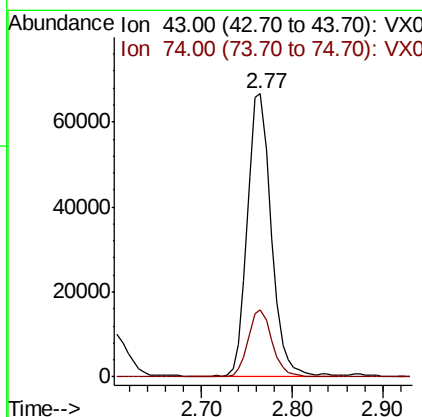
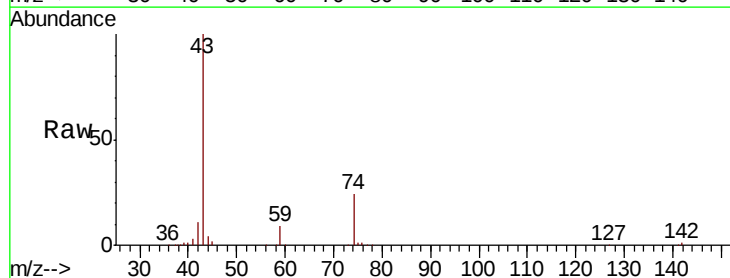
Manual Integrations
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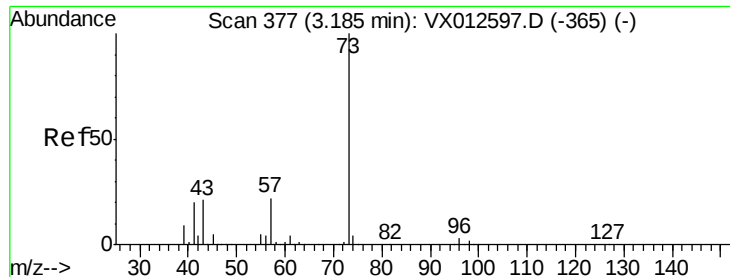
MMDadoda
10/8/2019 2:07:30 PM



#18
Methyl Acetate
Concen: 43.279 ug/l
RT: 2.77 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	17.7	26.5





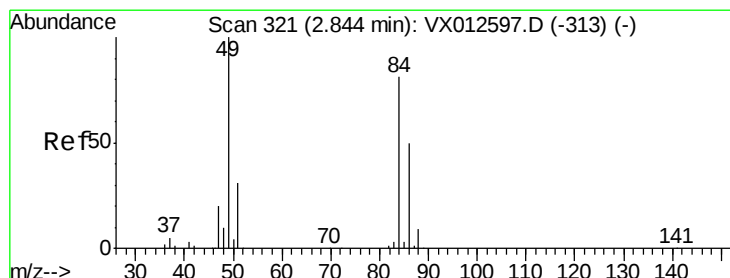
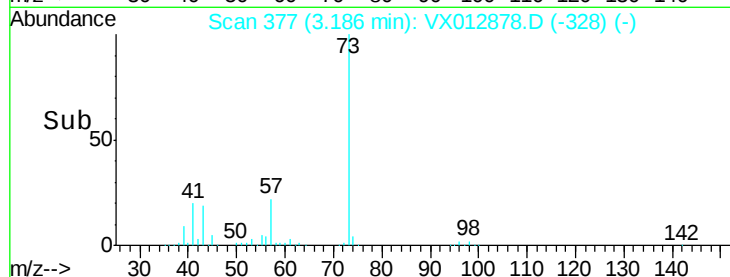
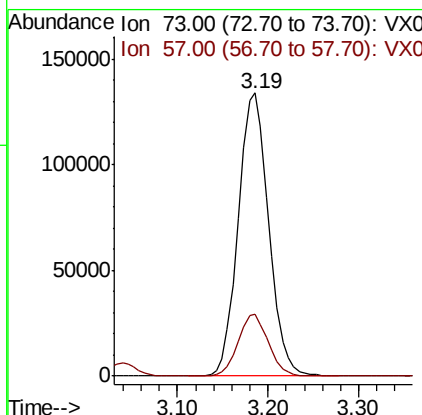
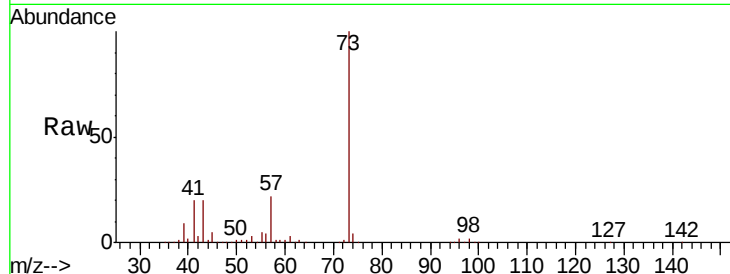
#19
Methyl tert-butyl Ether
Concen: 49.370 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	16.8	25.2

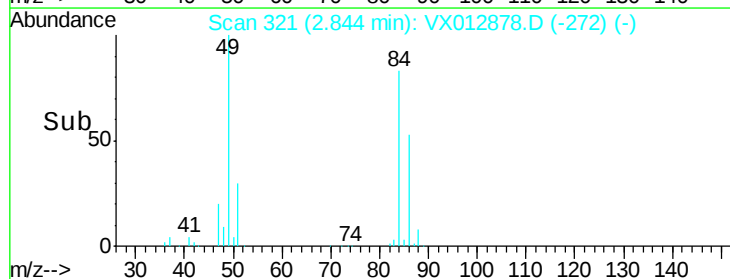
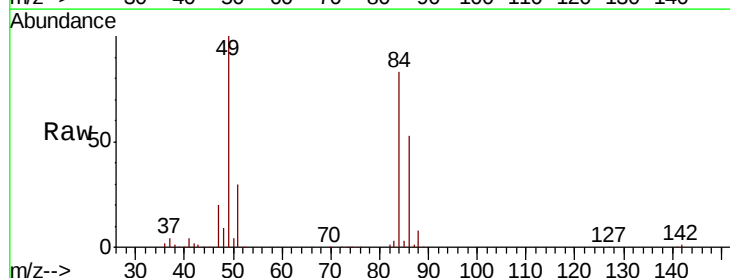
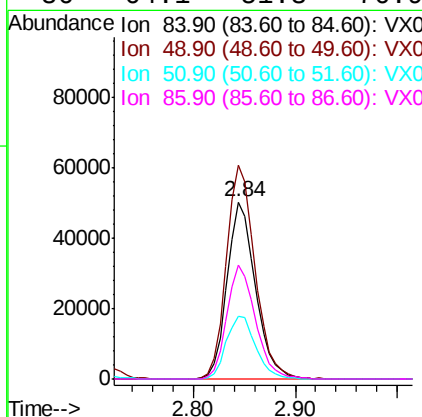
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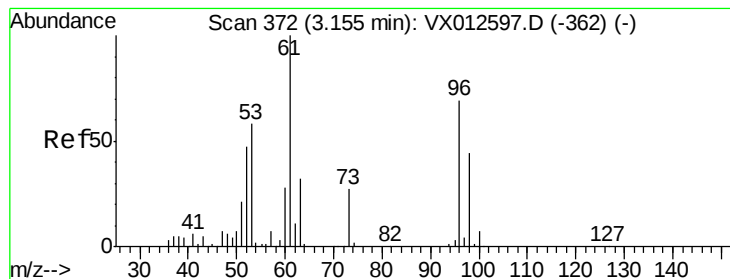
MMDadoda
10/8/2019 2:07:30 PM



#20
Methylene Chloride
Concen: 47.733 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.6	106.8	160.2
51	35.7	32.3	48.5
86	64.1	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 47.900 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

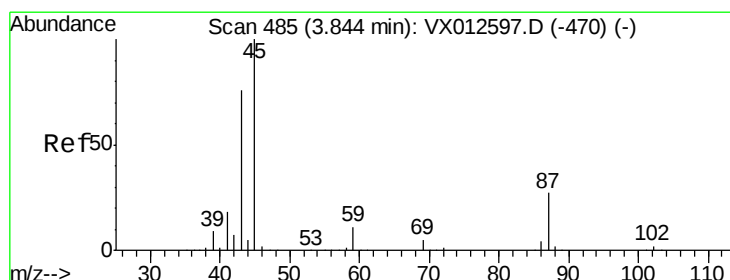
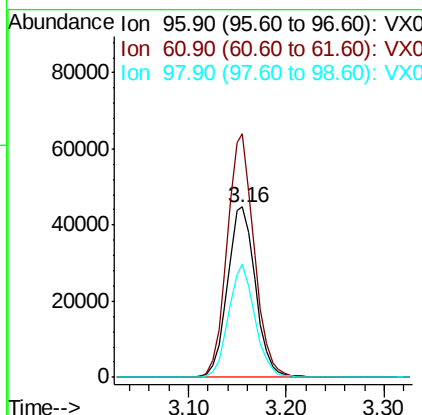
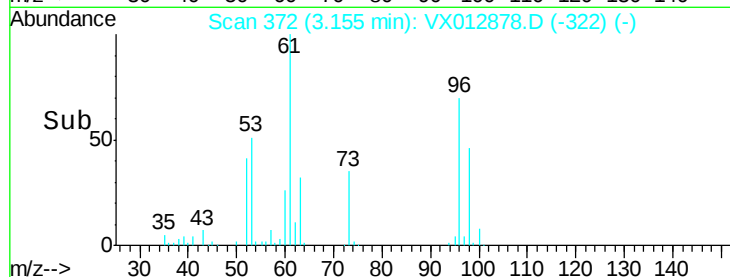
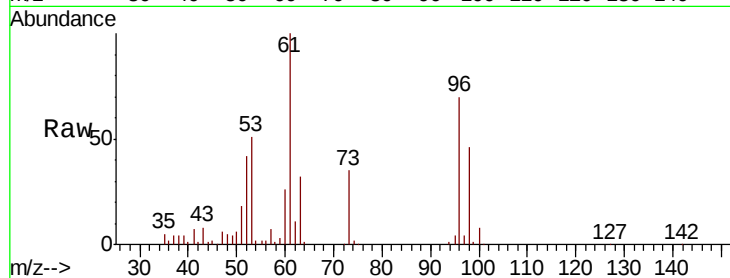
ClientSampleId :

FA19-MMW3414MSD

Tot Ion:	96	Resp:	88501
Ion	Ratio	Lower	Upper
96	100		
61	143.1	112.0	168.0
98	66.4	47.8	71.8

Manual Integrations
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10/8/2019 2:07:30 PM



#22

Diisopropyl ether

Concen: 47.636 ug/l

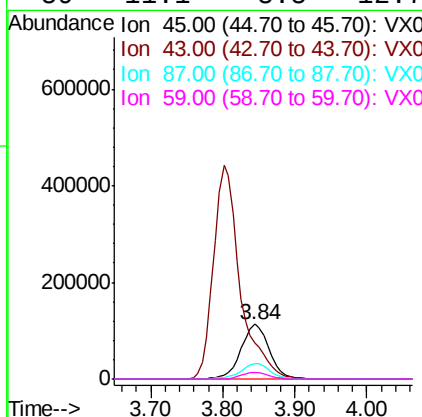
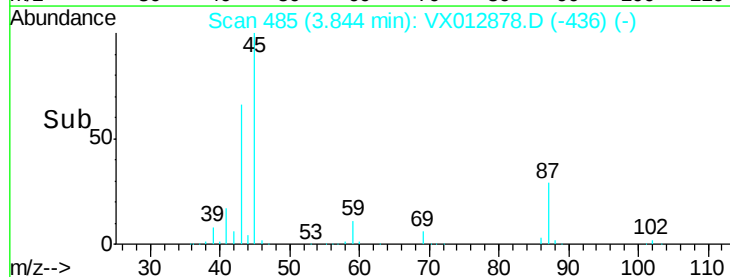
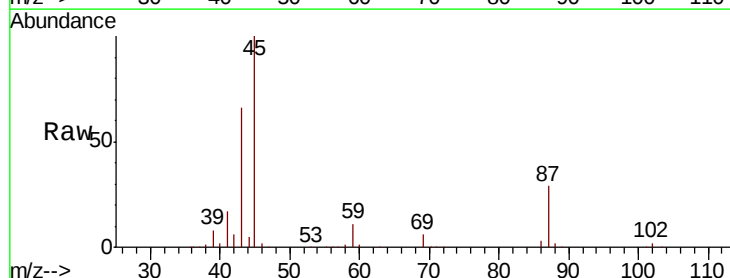
RT: 3.84 min Scan# 485

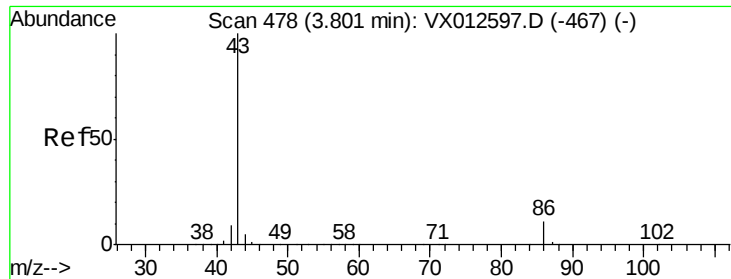
Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Tgt Ion:	45	Resp:	304557
Ion	Ratio	Lower	Upper
45	100		
43	65.5	57.8	86.8
87	29.3	21.3	31.9
59	11.1	8.5	12.7





#23

Vinyl Acetate

Concen: 202.714 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 43 Resp: 1136566

Ion Ratio Lower Upper

43 100

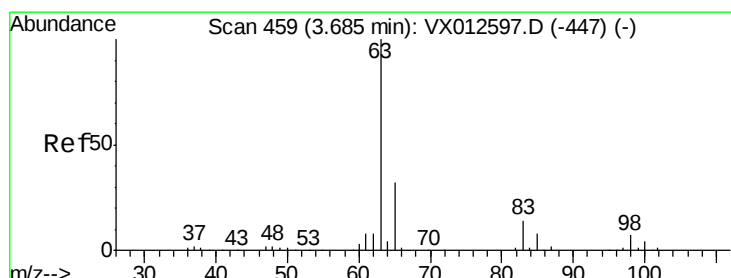
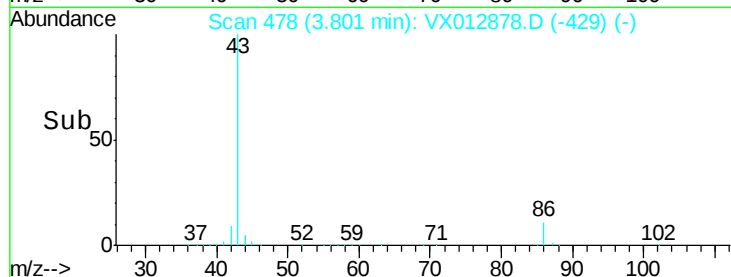
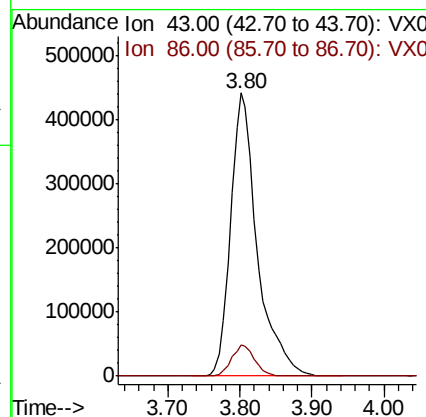
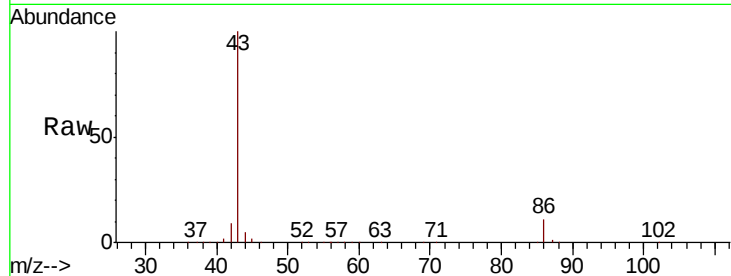
86 11.1 7.8 11.8

Manual Integrations

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MMDadoda

10/8/2019 2:07:30 PM



#24

1,1-Dichloroethane

Concen: 48.567 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

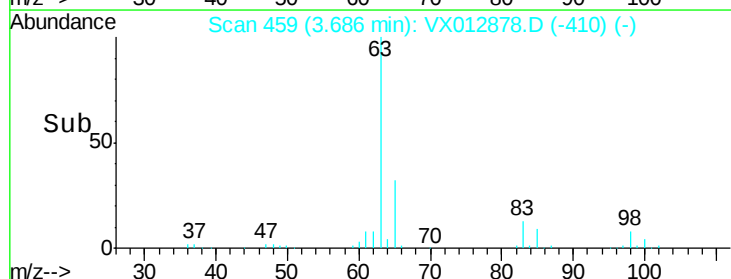
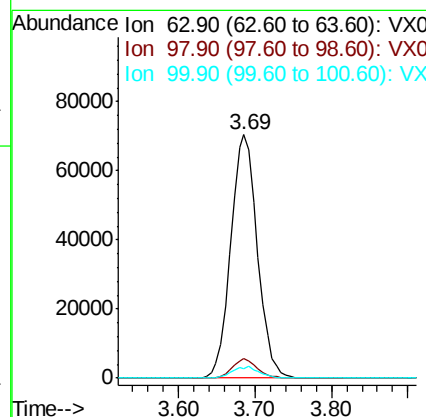
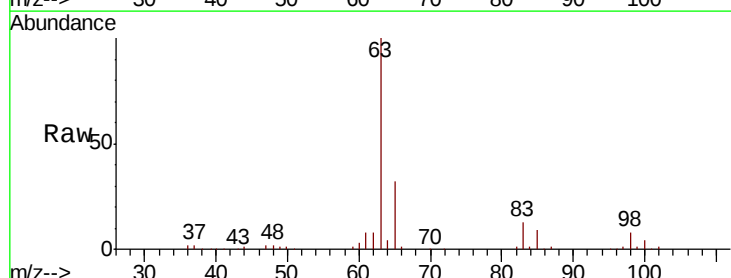
Tgt Ion: 63 Resp: 168787

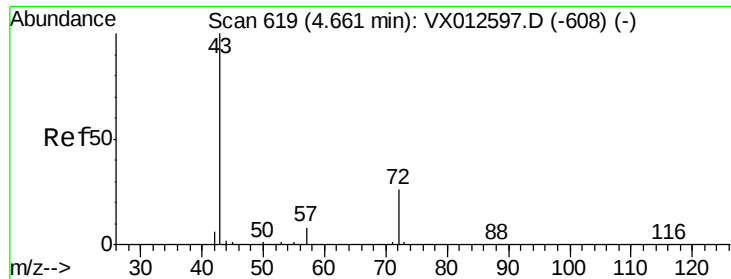
Ion Ratio Lower Upper

63 100

98 8.1 3.9 11.7

100 4.1 2.3 6.9





#25

2-Butanone

Concen: 223.611 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 43 Resp: 383597

Ion Ratio Lower Upper

43 100

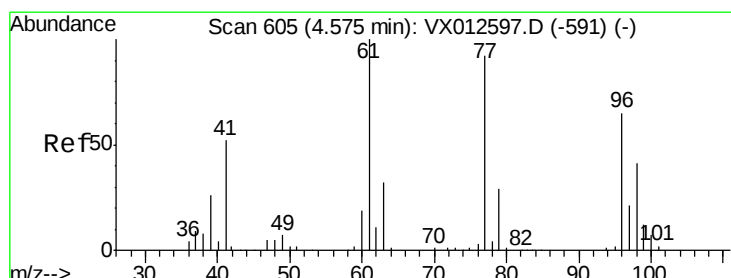
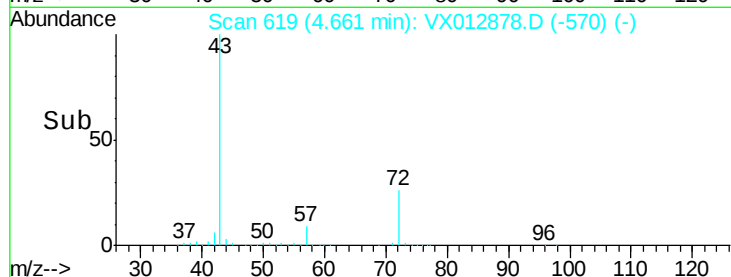
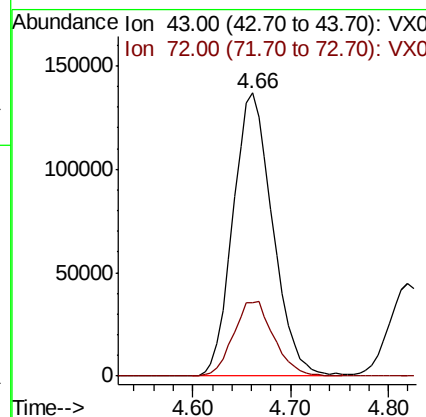
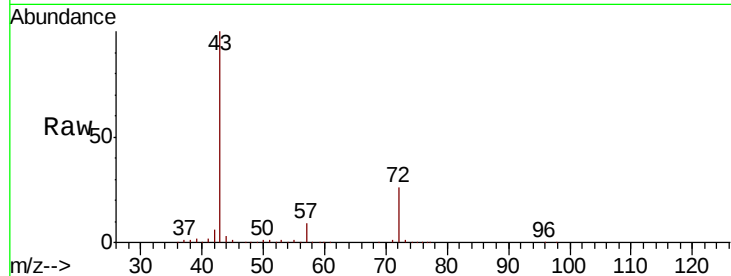
72 26.1 19.2 28.8

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#26

2,2-Dichloropropane

Concen: 26.968 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012878.D

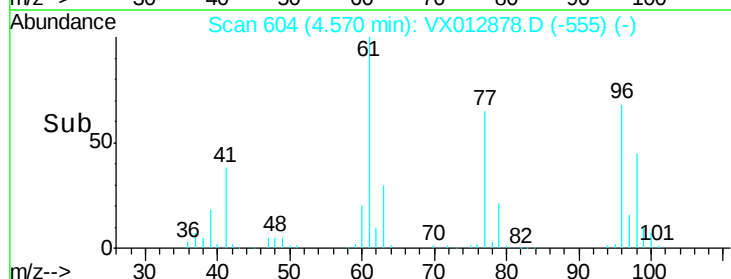
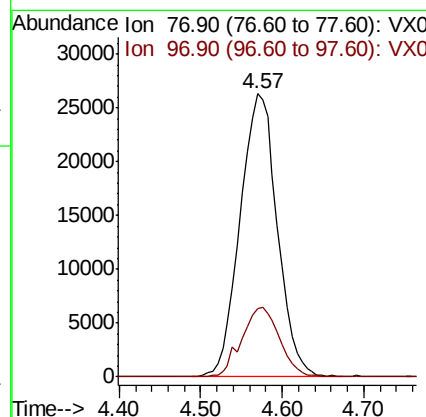
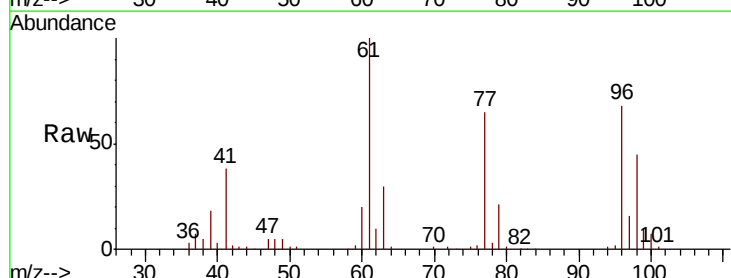
Acq: 08 Oct 2019 07:56

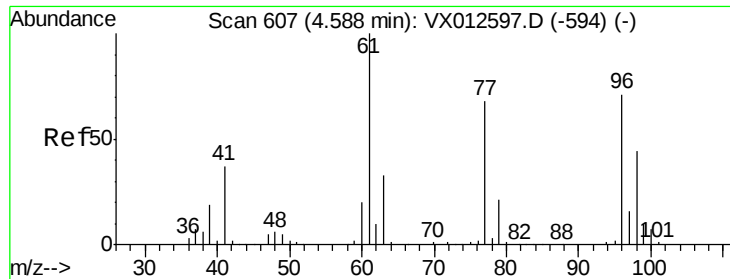
Tgt Ion: 77 Resp: 83356

Ion Ratio Lower Upper

77 100

97 25.1 10.5 31.6





#27

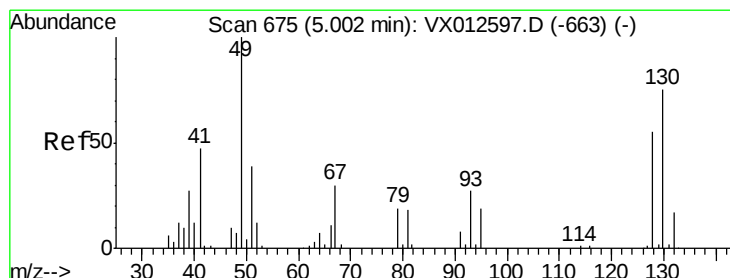
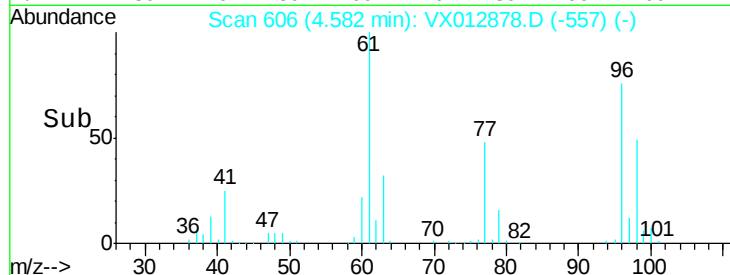
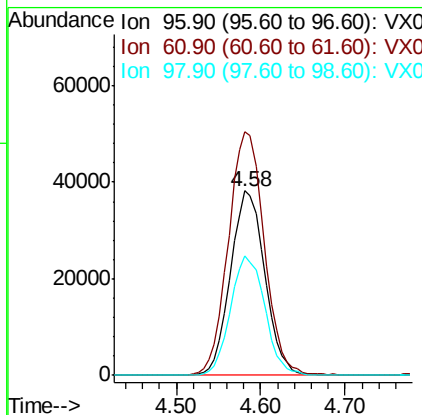
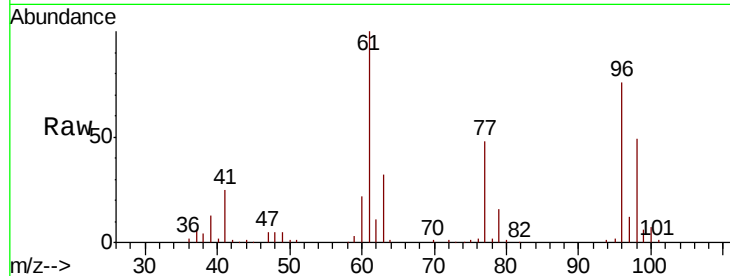
cis-1,2-Dichloroethene
Concen: 49.279 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	105644		
61	138.2	0.0	319.4	
98	64.9	0.0	130.6	

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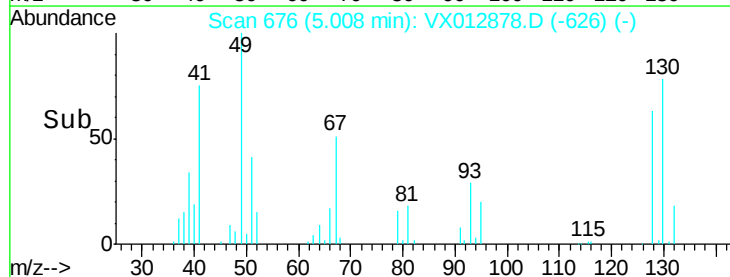
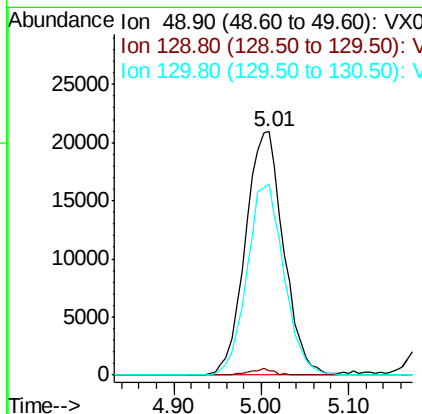
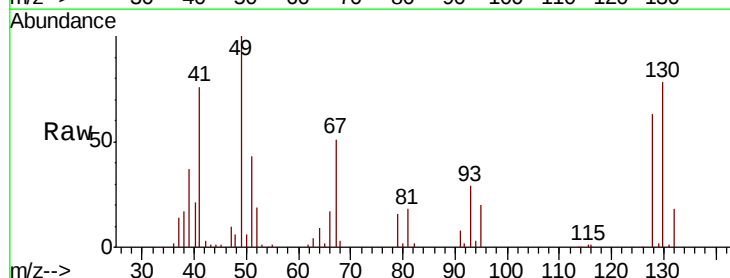
MMDadoda
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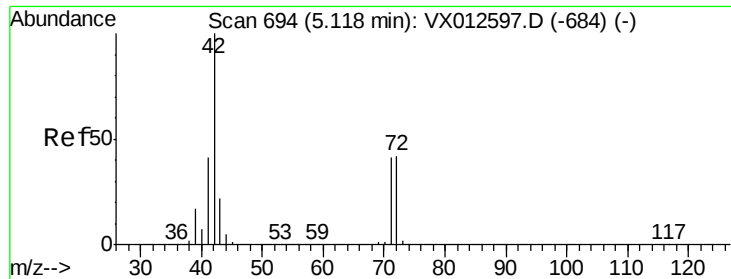


#28

Bromochloromethane
Concen: 50.386 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	63582		
129	1.7	0.0	3.8	
130	76.1	58.2	87.4	





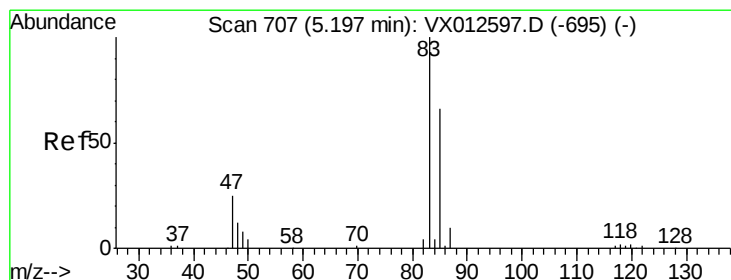
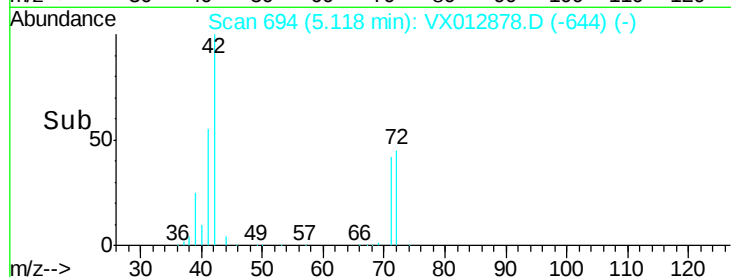
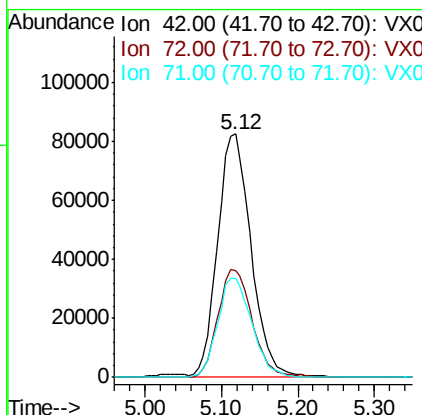
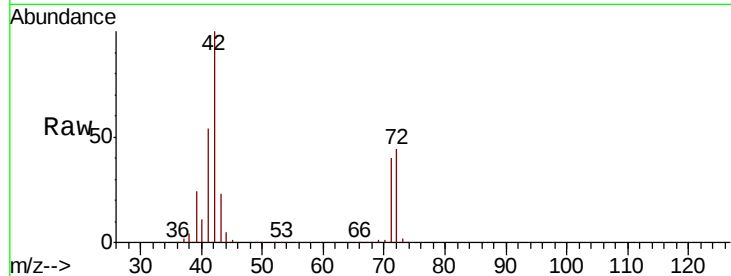
#29
Tetrahydrofuran
Concen: 237.857 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	34.0	51.0
71	41.9	31.5	47.3

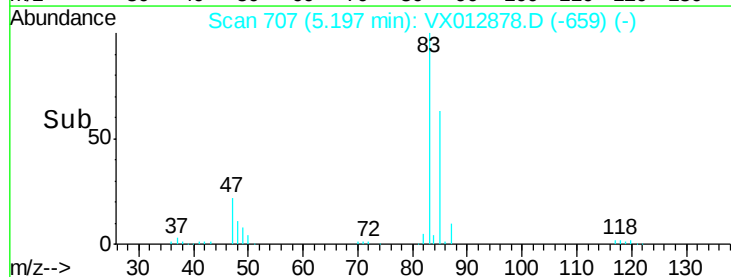
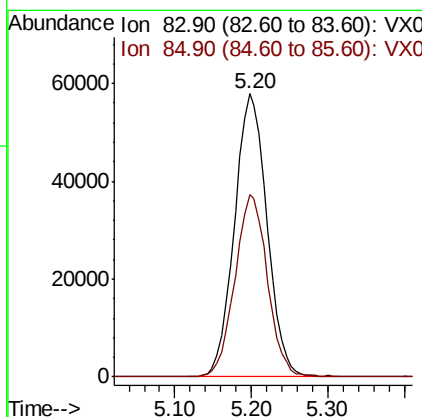
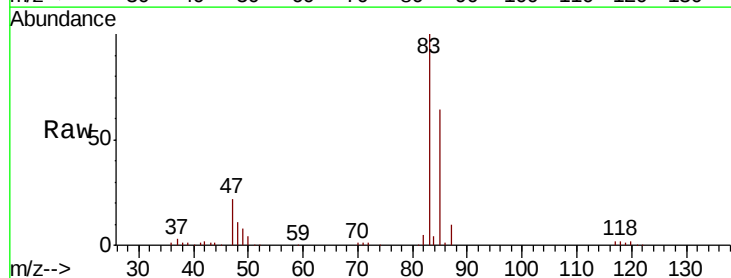
Manual Integrations
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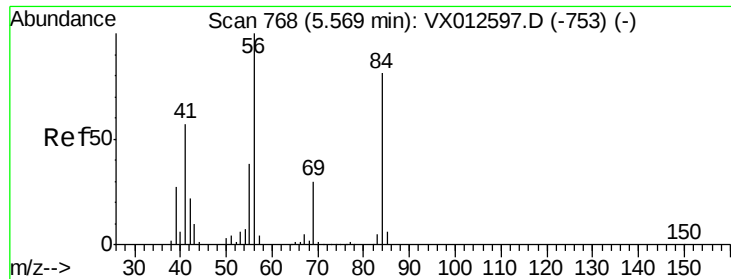
MMDadoda
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#30
Chloroform
Concen: 48.037 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.0	79.4





#31

Cyclohexane

Concen: 44.155 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

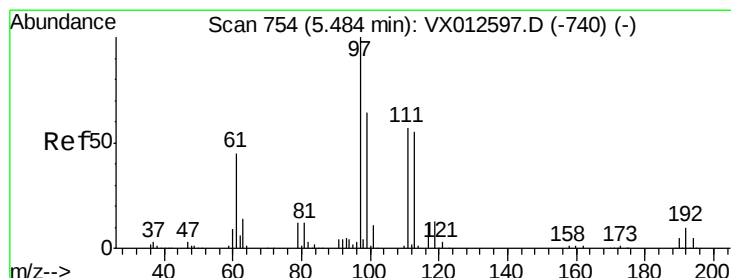
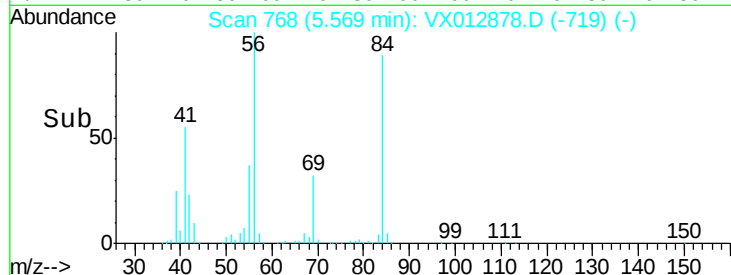
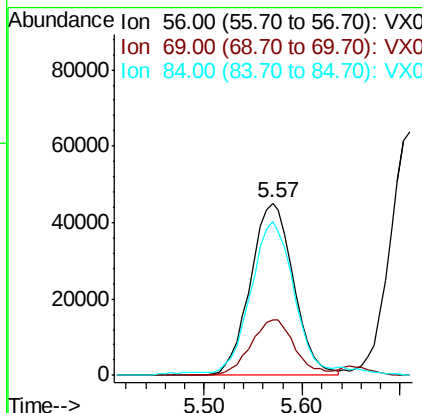
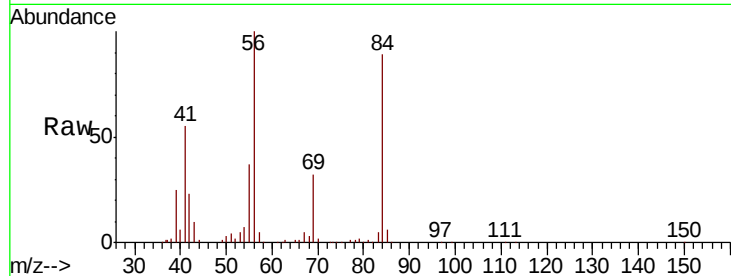
ClientSampleId :

FA19-MMW3414MSD

Tot Ion:	56	Resp:	138824
Ion Ratio	Lower	Upper	
56	100		
69	32.3	25.0	37.6
84	87.6	66.4	99.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.675 ug/l

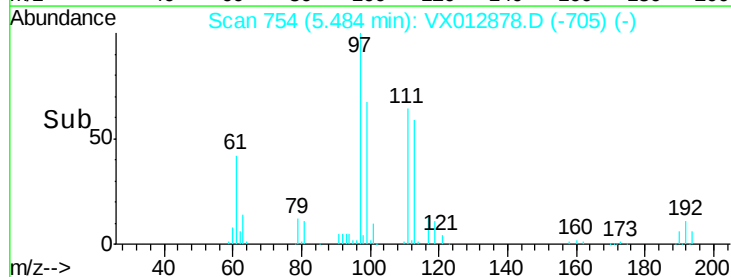
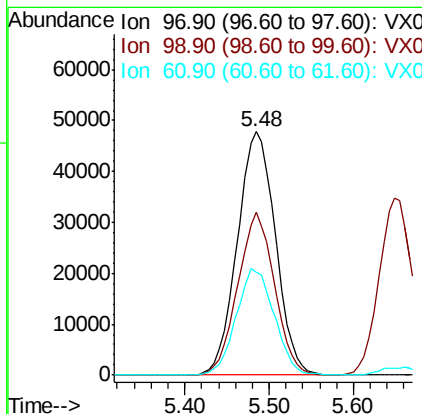
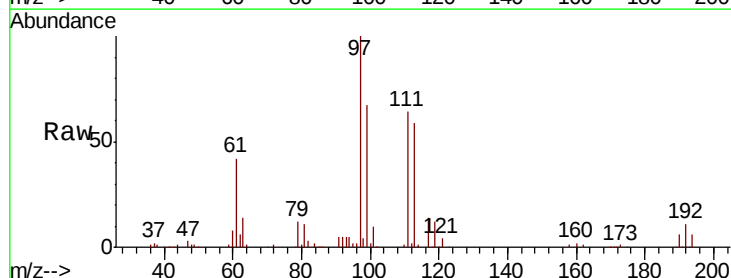
RT: 5.48 min Scan# 754

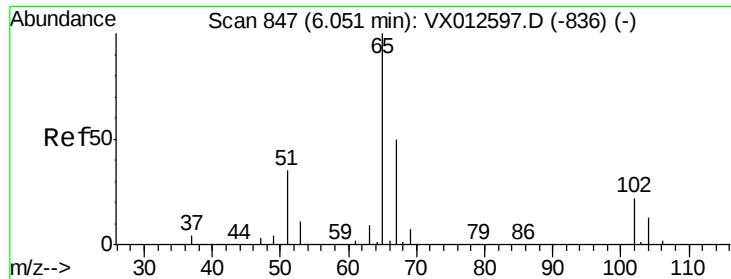
Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Tgt Ion:	97	Resp:	147083
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.3	76.9
61	43.6	36.1	54.1





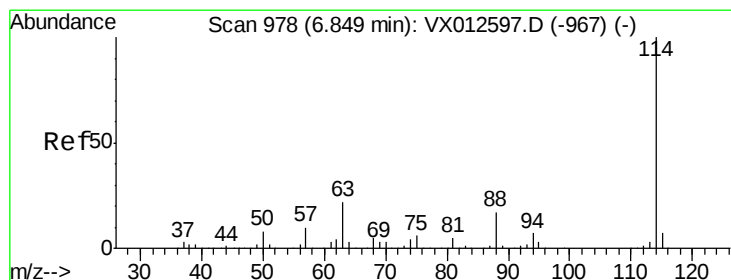
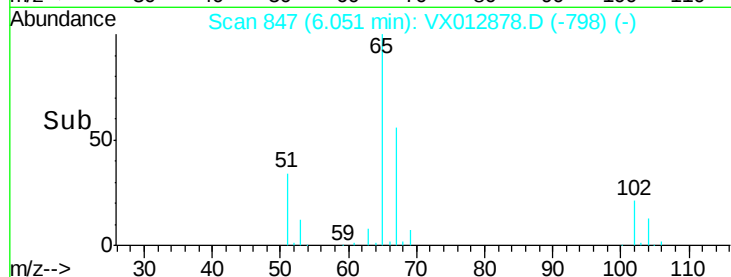
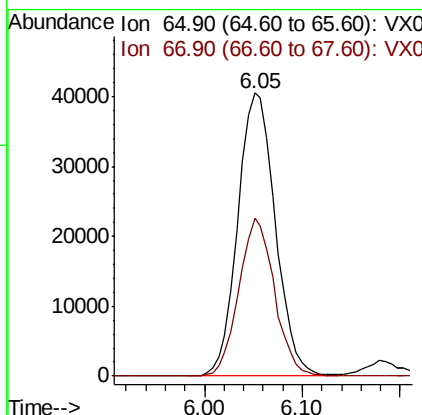
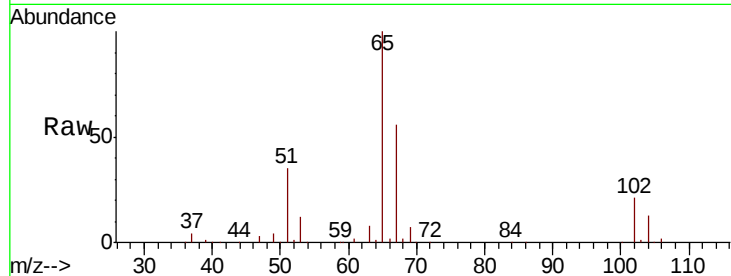
#33
 1,2-Dichloroethane-d4
 Concen: 47.850 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	101.2	

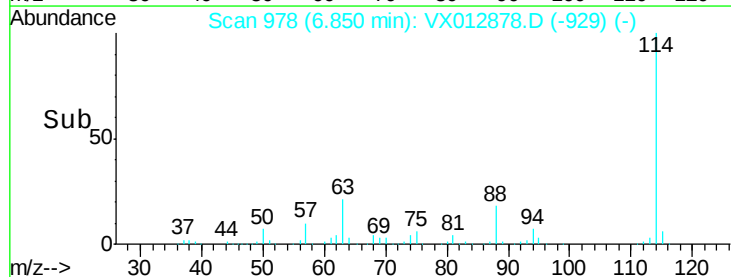
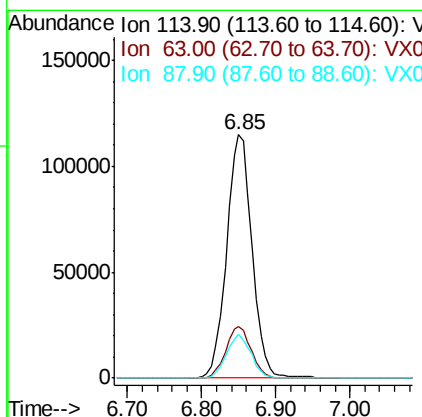
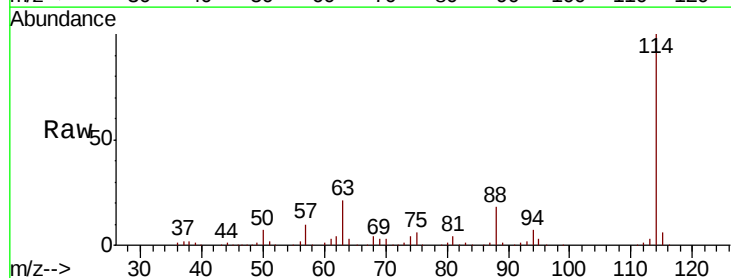
Manual Integrations
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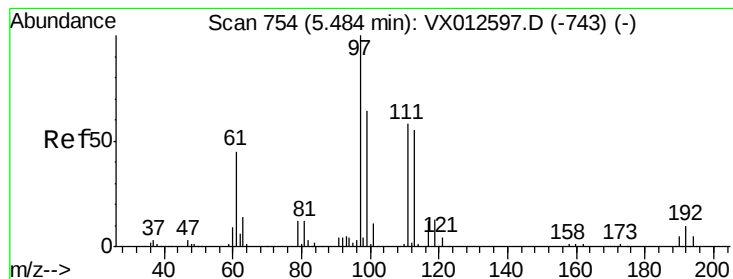
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.0	0.0	43.2	
88	17.8	0.0	33.2	





#35

Dibromofluoromethane

Concen: 52.030 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

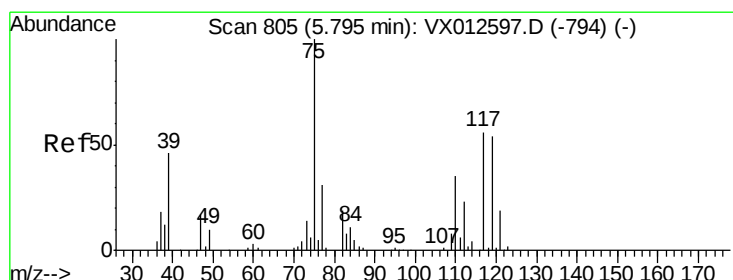
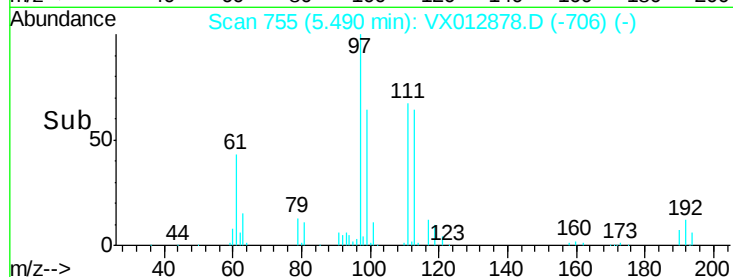
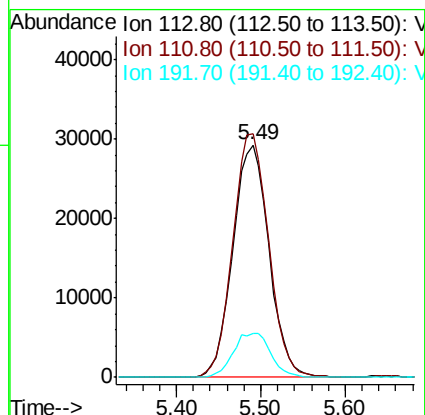
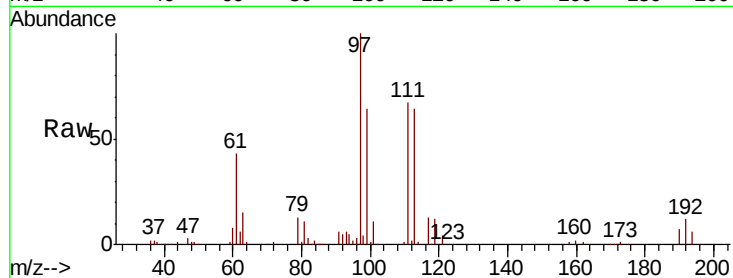
ClientSampleId :

FA19-MMW3414MSD

Tot Ion:	113	Resp:	84995
Ion	Ratio	Lower	Upper
113	100		
111	104.2	83.4	125.2
192	19.7	14.4	21.6

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#36

1,1-Dichloropropene

Concen: 46.133 ug/l

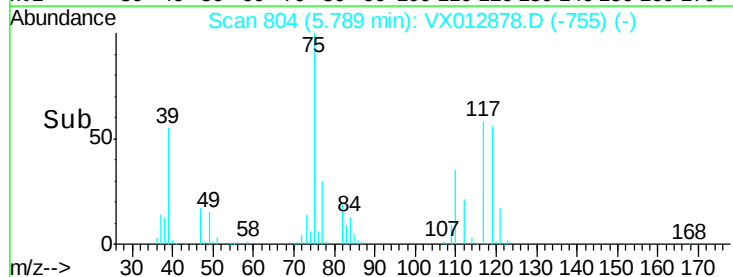
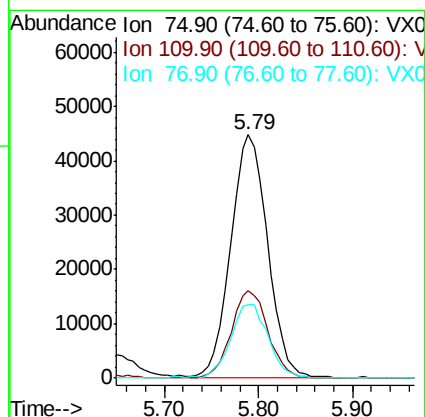
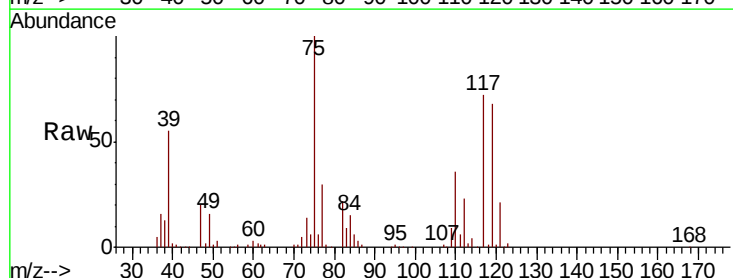
RT: 5.79 min Scan# 804

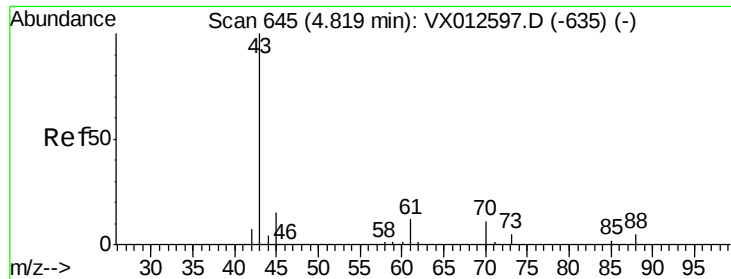
Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Tgt Ion:	75	Resp:	121973
Ion	Ratio	Lower	Upper
75	100		
110	35.8	16.7	50.0
77	31.1	24.2	36.2





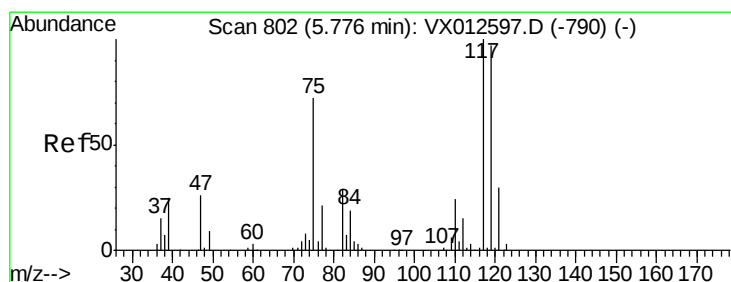
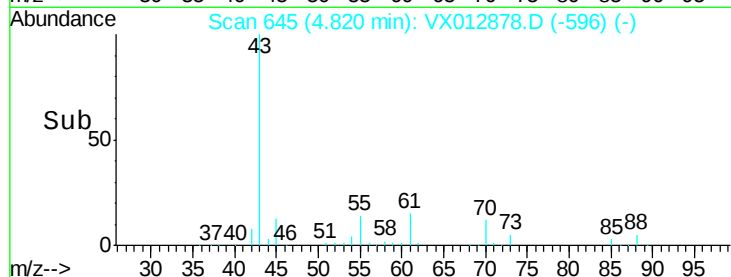
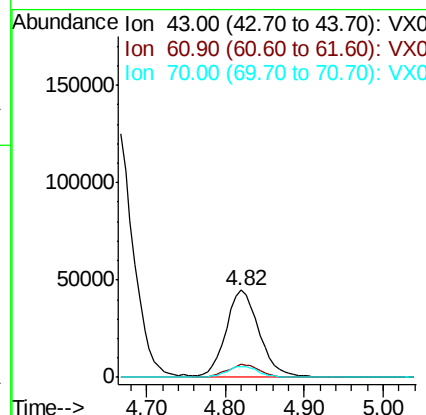
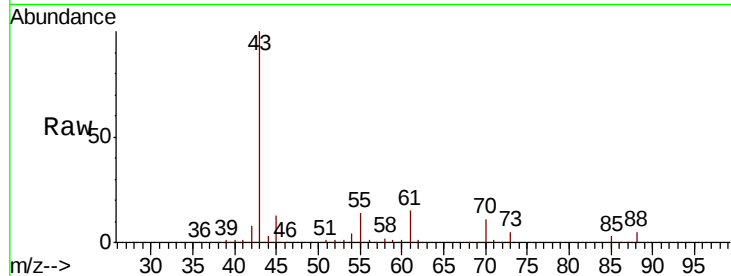
#37
Ethyl Acetate
Concen: 41.995 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.2	15.4
70	12.1	8.7	13.1

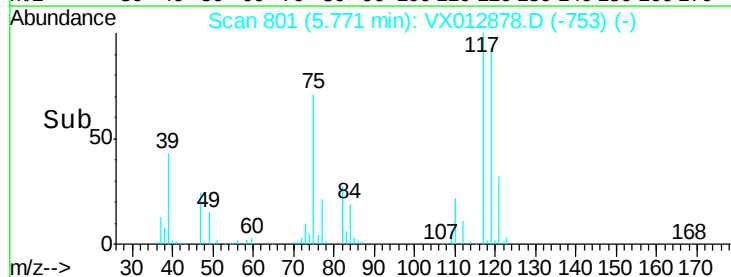
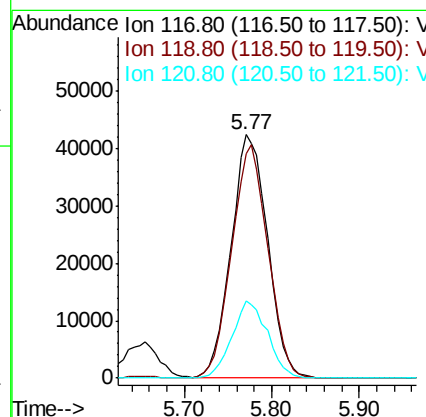
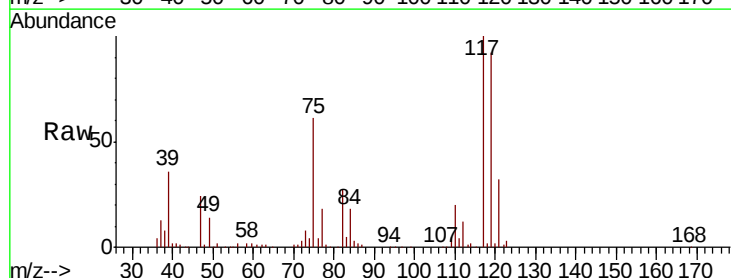
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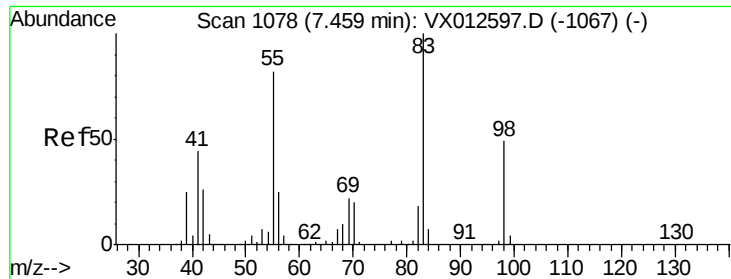
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#38
Carbon Tetrachloride
Concen: 45.872 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	75.7	113.5
121	31.9	24.2	36.4





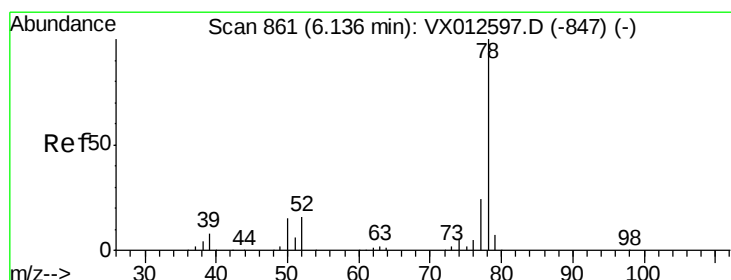
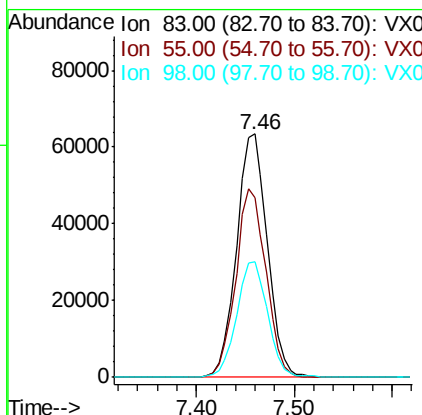
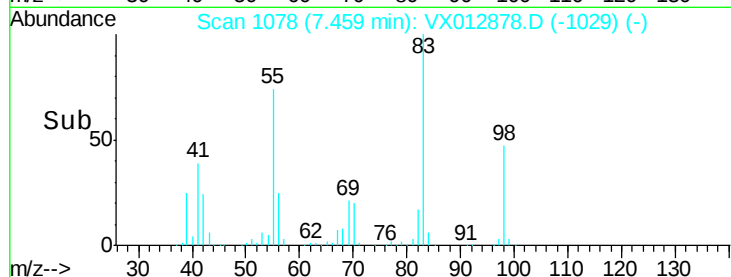
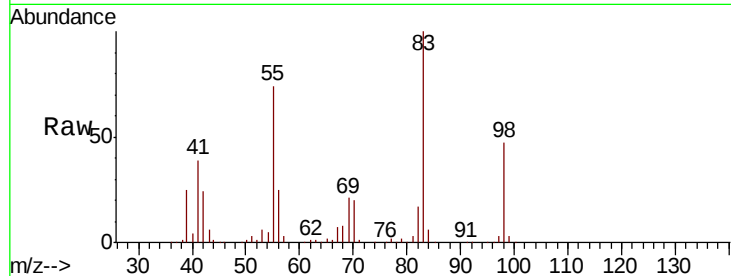
#39
Methvlcvclohexane
Concen: 43.375 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	64.4	96.6
98	47.4	40.1	60.1

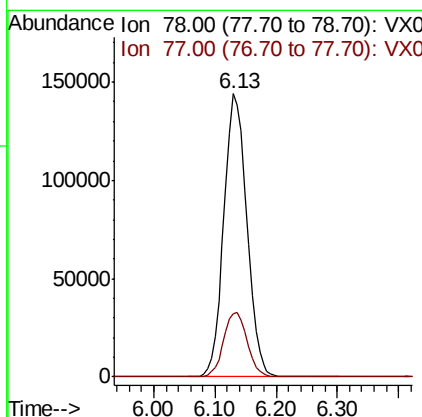
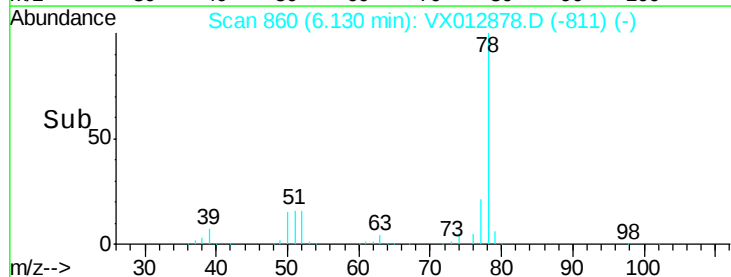
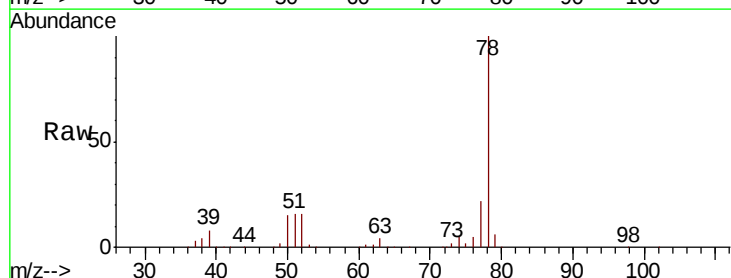
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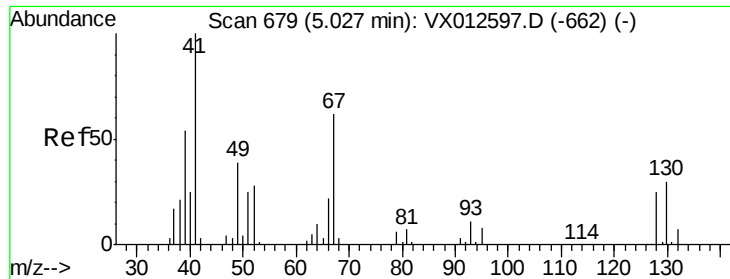
MMDadoda
10/8/2019 2:07:30 PM



#40
Benzene
Concen: 48.224 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.2	28.8





#41

Methacrylonitrile

Concen: 46.762 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 41 Resp: 81100

Ion Ratio Lower Upper

41 100

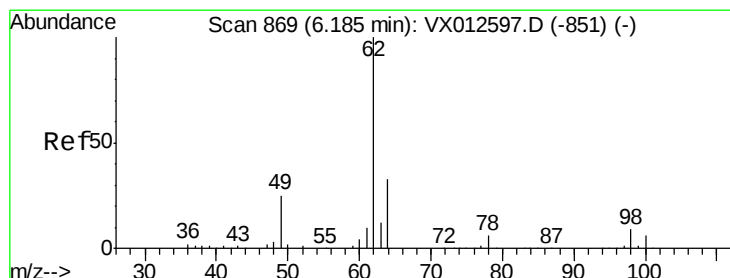
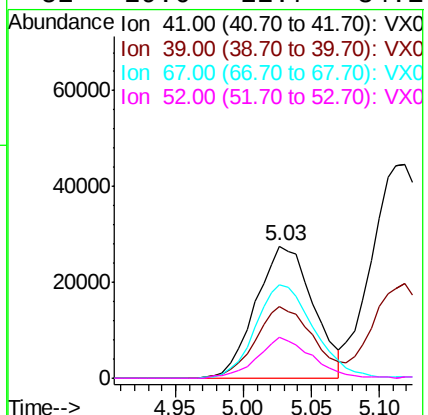
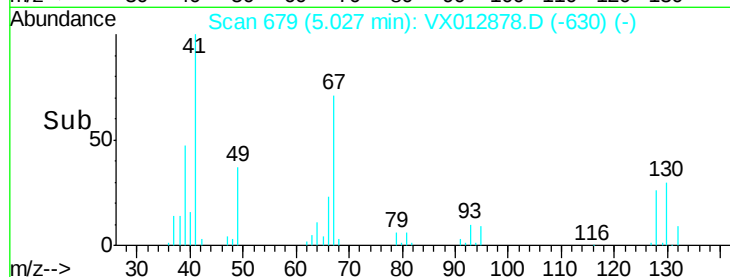
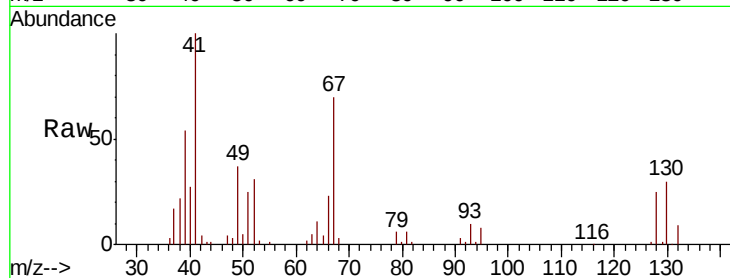
39 55.8 46.0 69.0

67 72.5 52.2 78.2

52 29.6 22.7 34.1

Manual Integrations
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10/8/2019 2:07:30 PM



#42

1,2-Dichloroethane

Concen: 47.115 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012878.D

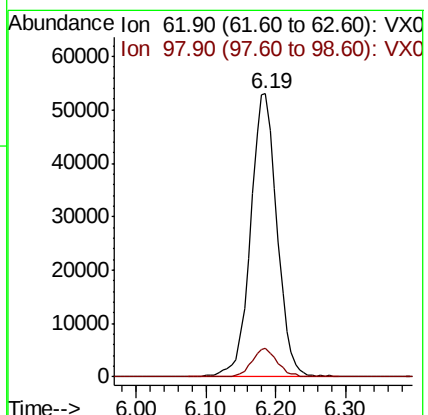
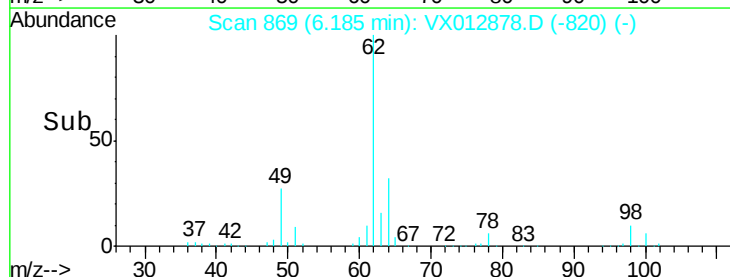
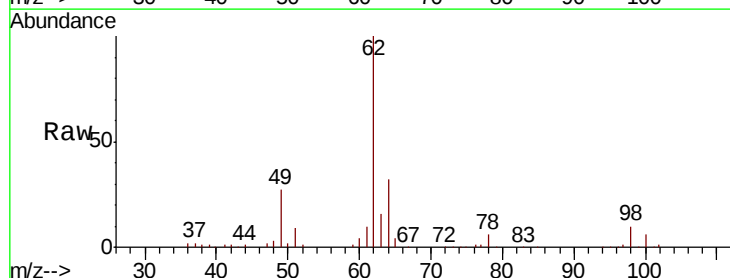
Acq: 08 Oct 2019 07:56

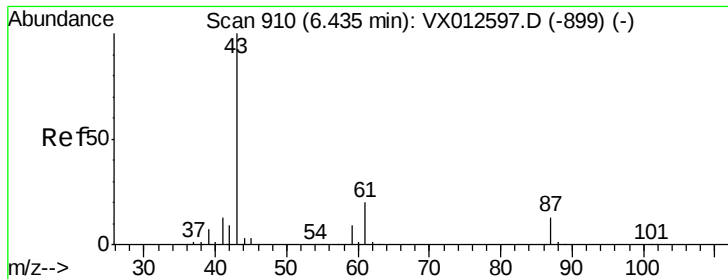
Tgt Ion: 62 Resp: 139183

Ion Ratio Lower Upper

62 100

98 9.6 0.0 17.8





#43

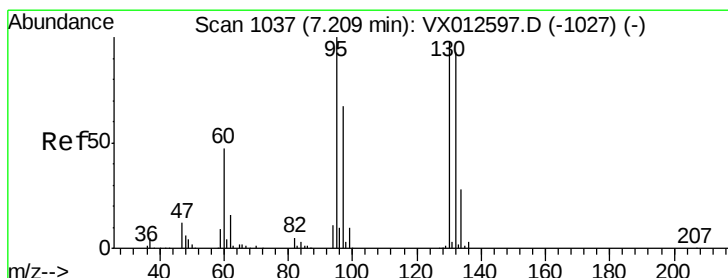
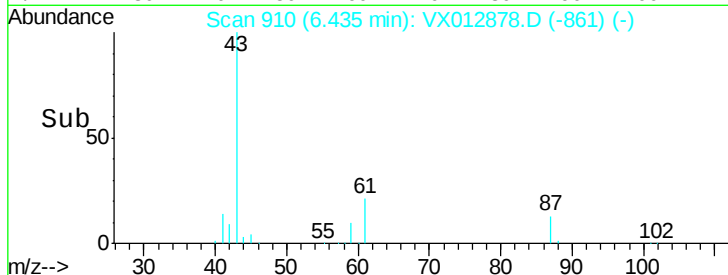
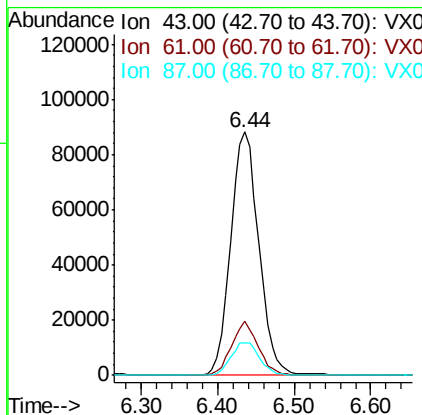
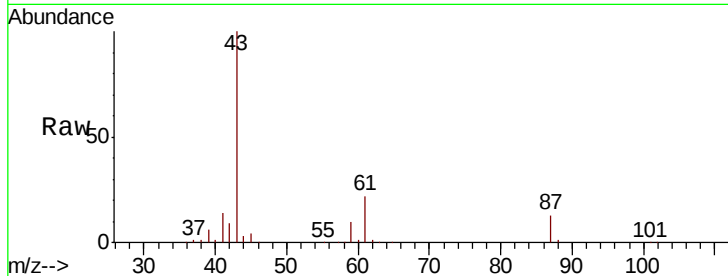
Isopropyl Acetate
 Concen: 43.239 ug/l
 RT: 6.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	15.4	23.0
87	13.8	9.8	14.8

Manual Integrations
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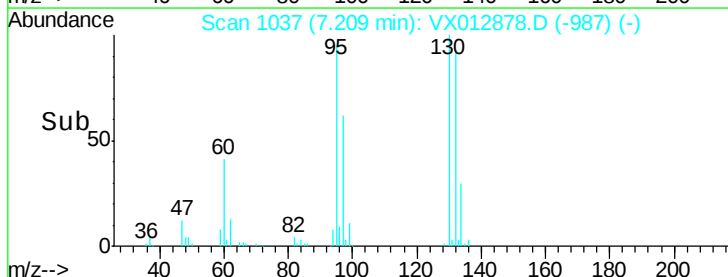
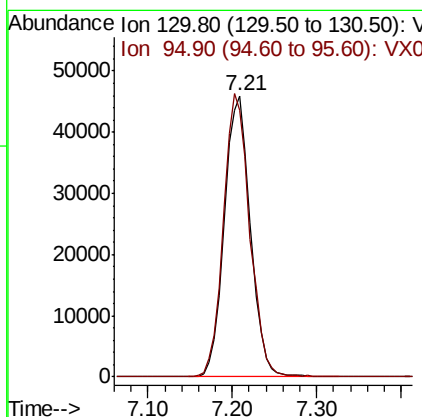
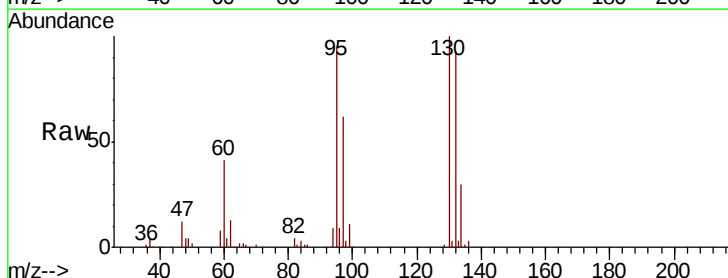
MMDadoda
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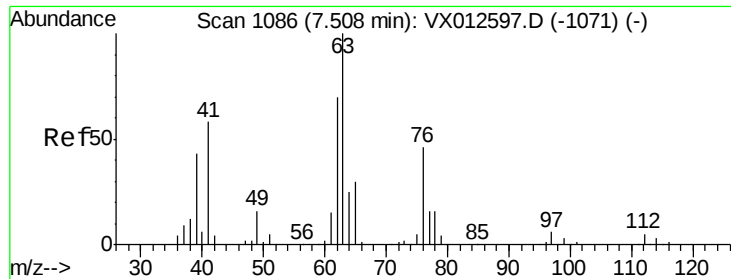


#44

Trichloroethene
 Concen: 49.016 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	193.0





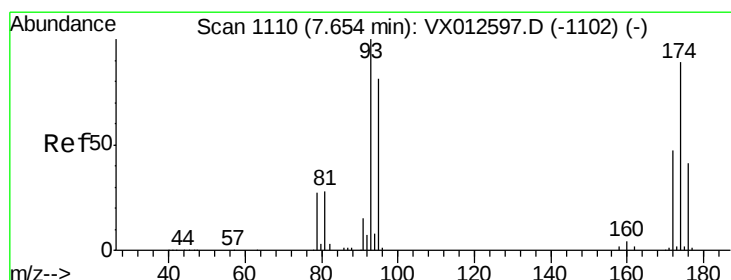
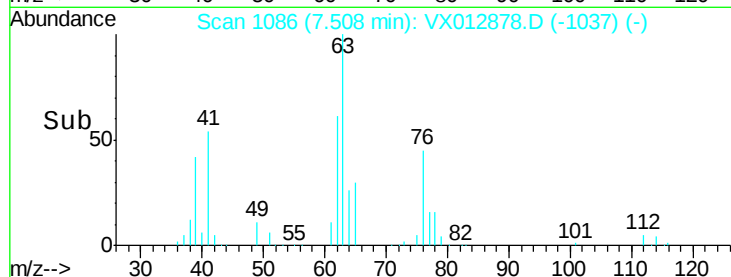
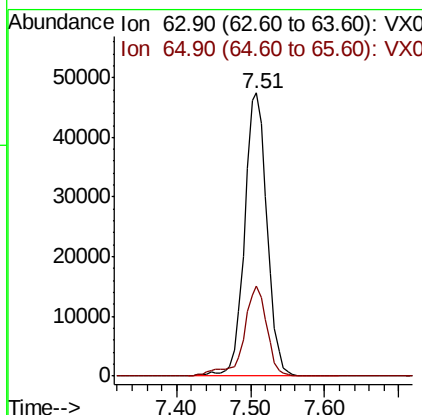
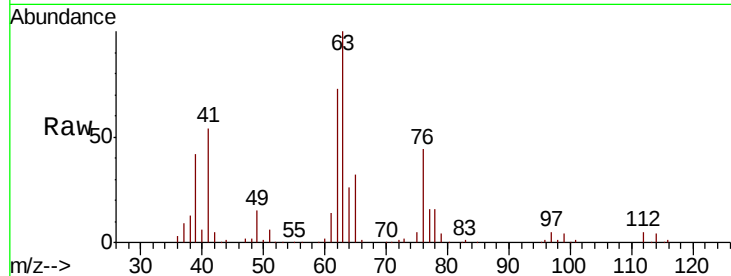
#45
 1,2-Dichloropropane
 Concen: 50.300 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MSD

Tot Ion: 63 Resp: 100182
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.0 37.6

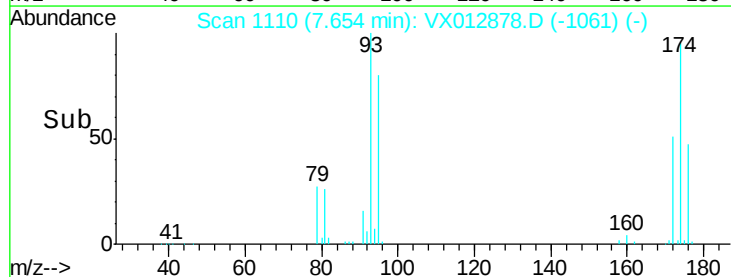
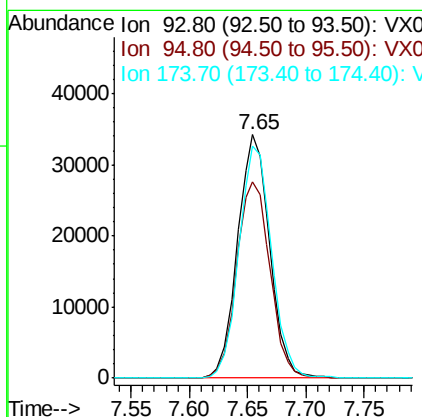
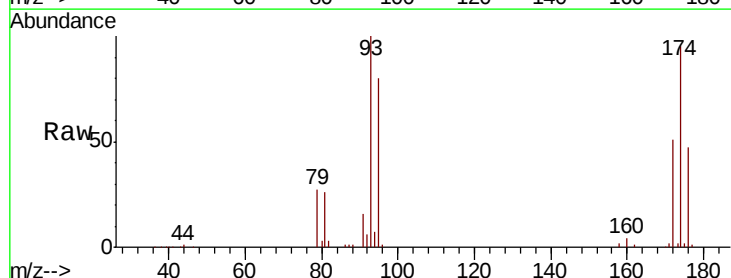
Manual Integrations
 APPROVED

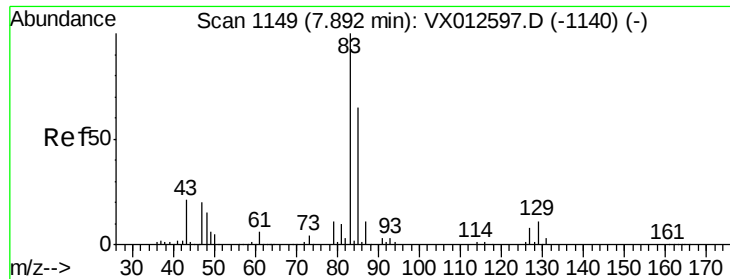
MMDadoda
 10/8/2019 2:07:30 PM



#46
 Dibromomethane
 Concen: 48.553 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Tgt Ion: 93 Resp: 65840
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.6 100.0
 174 97.5 77.4 116.0





#47

Bromodichloromethane

Concen: 48.713 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

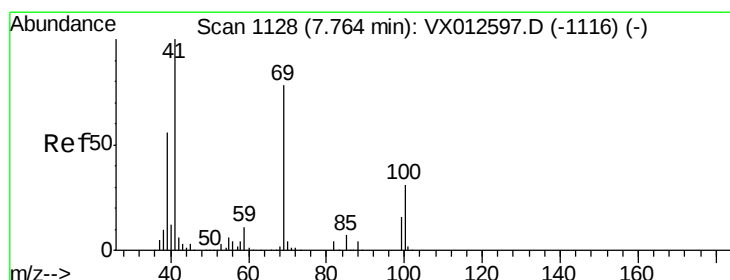
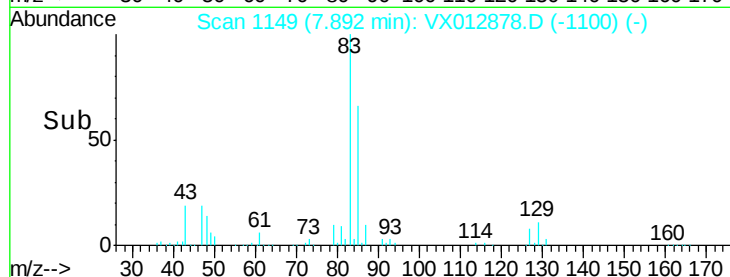
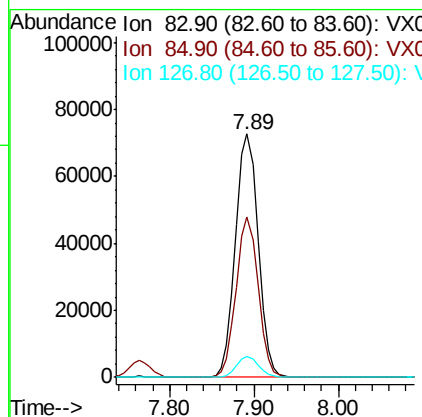
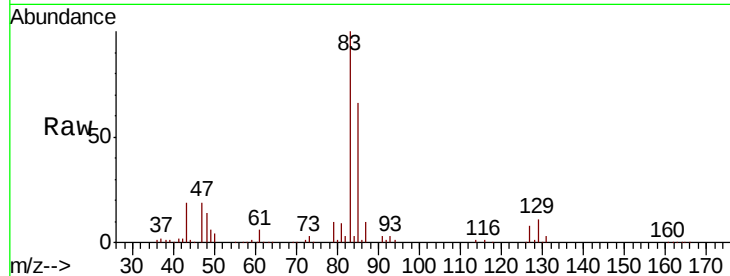
ClientSampleId :

FA19-MMW3414MSD

Tot Ion:	83	Resp:	132023
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.6
127	8.3	7.3	10.9

Manual Integrations
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10/8/2019 2:07:30 PM



#48

Methyl methacrylate

Concen: 47.126 ug/l

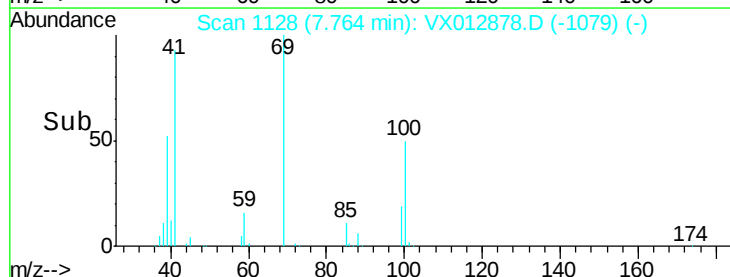
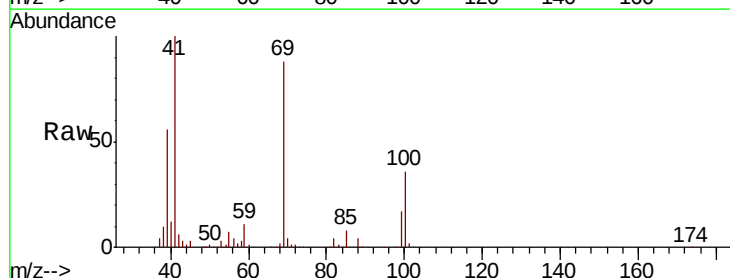
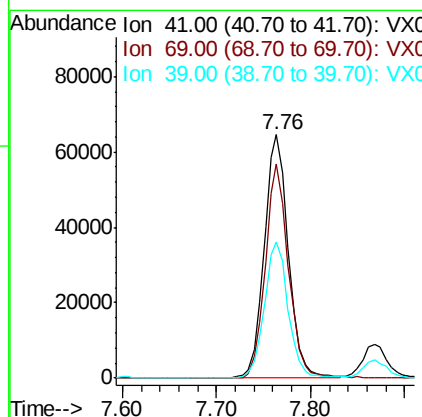
RT: 7.76 min Scan# 1128

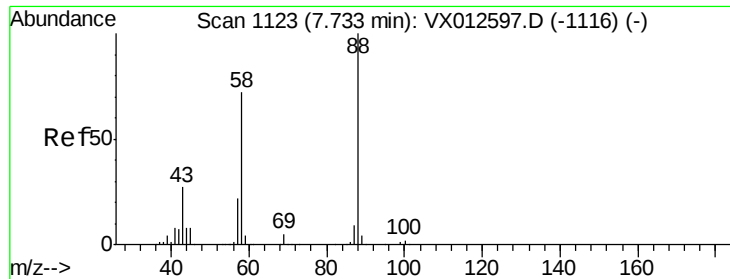
Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Tgt Ion:	41	Resp:	116808
Ion	Ratio	Lower	Upper
41	100		
69	84.4	59.9	89.9
39	55.2	47.8	71.6





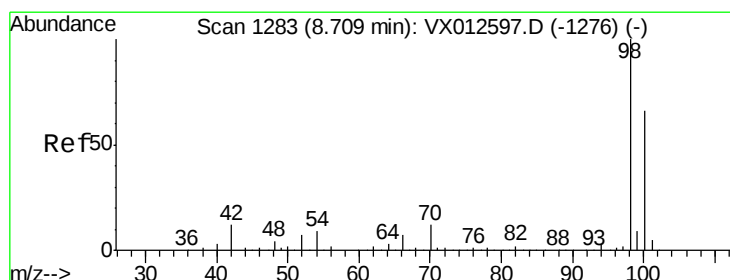
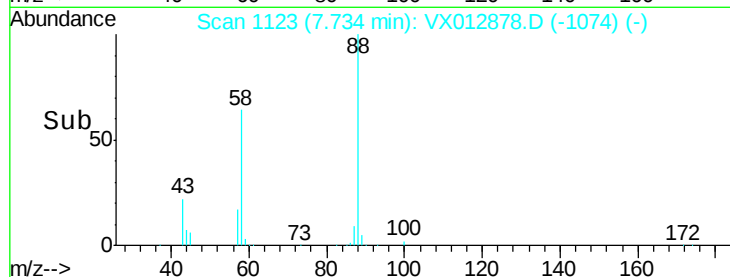
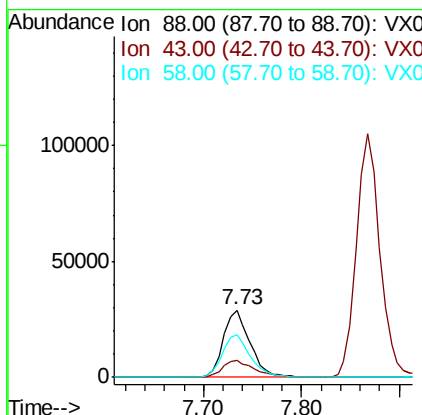
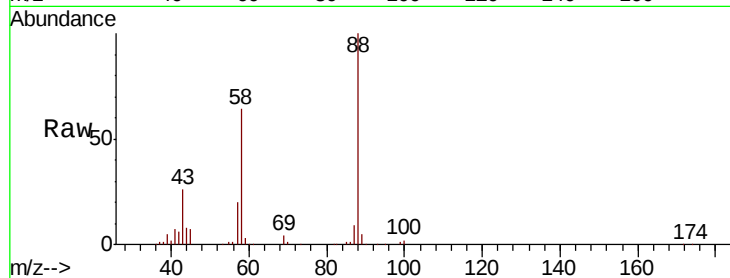
#49
1,4-Dioxane
Concen: 969.932 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	29.4	44.0
58	67.5	57.5	86.3

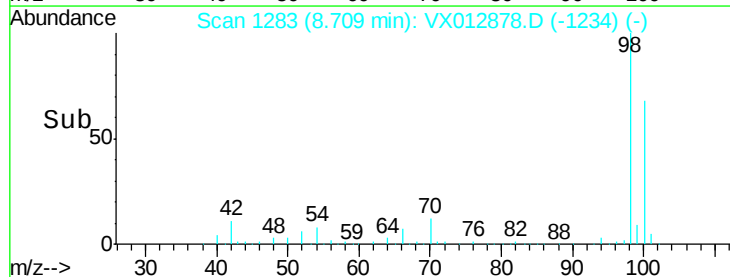
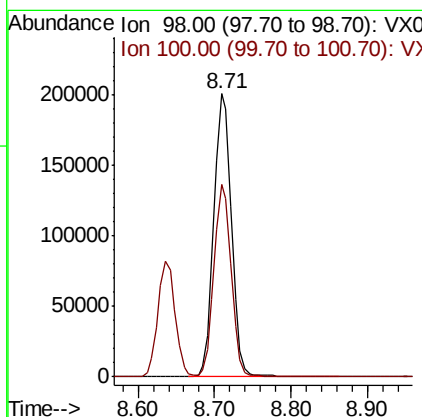
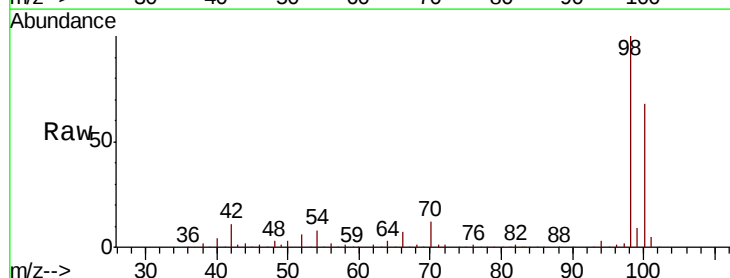
Manual Integrations
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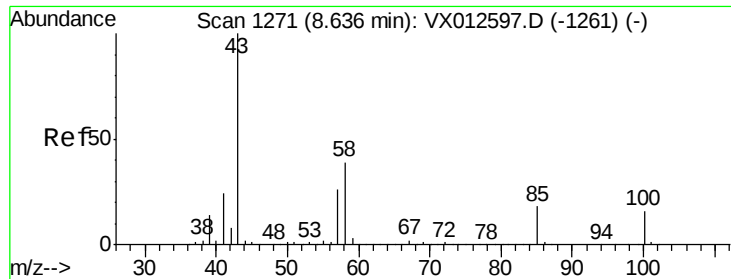
MMDadoda
10/8/2019 2:07:30 PM



#50
Toluene-d8
Concen: 51.044 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 238.106 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 43 Resp: 759766

Ion Ratio Lower Upper

43 100

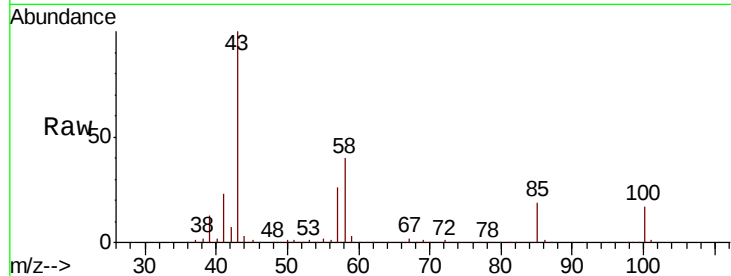
58 40.2 29.8 44.6

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

500000

400000

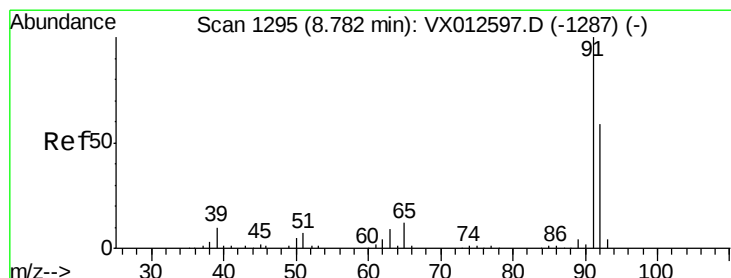
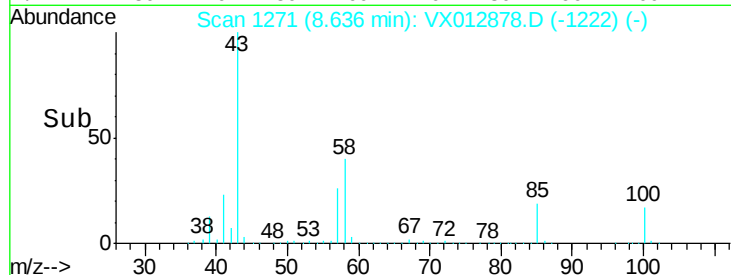
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.768 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012878.D

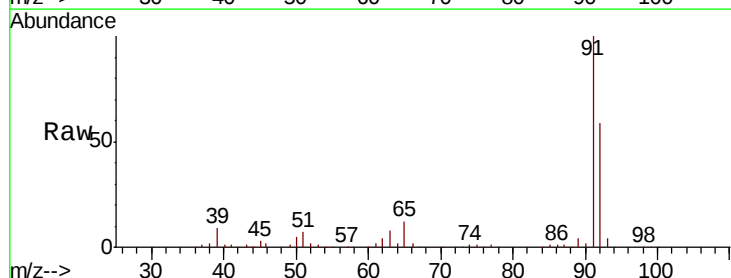
Acq: 08 Oct 2019 07:56

Tgt Ion: 92 Resp: 238443

Ion Ratio Lower Upper

92 100

91 169.1 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

300000

250000

200000

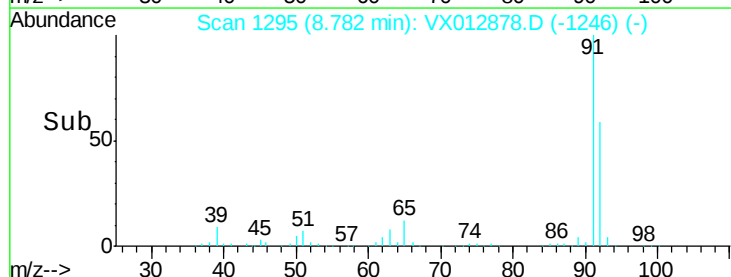
150000

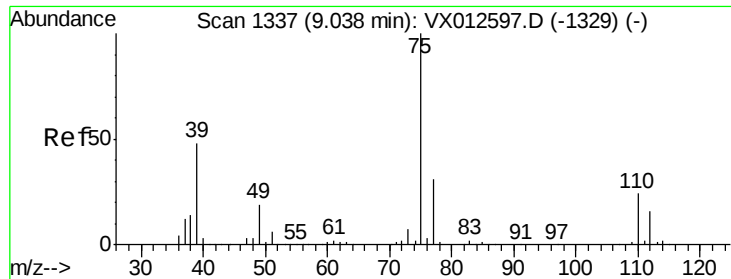
100000

50000

0

Time-->





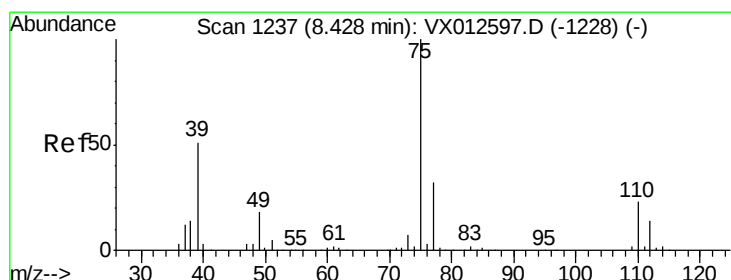
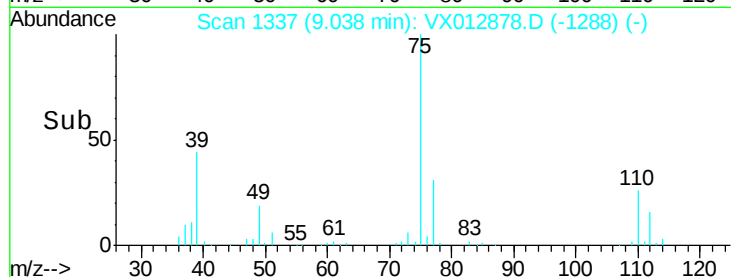
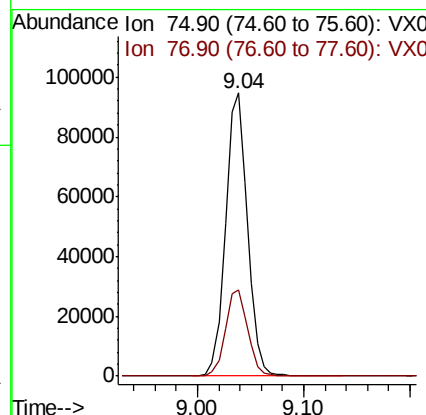
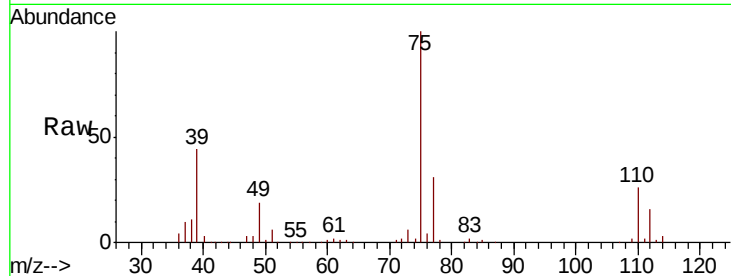
#53
t-1,3-Dichloropropene
Concen: 45.204 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MSD

Tot Ion: 75 Resp: 135548
Ion Ratio Lower Upper
75 100
77 30.6 25.2 37.8

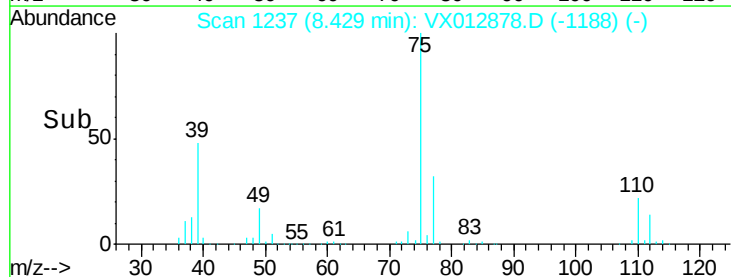
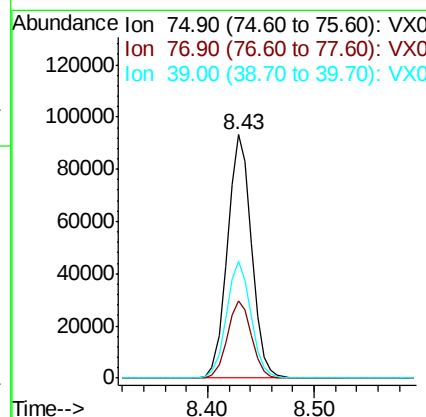
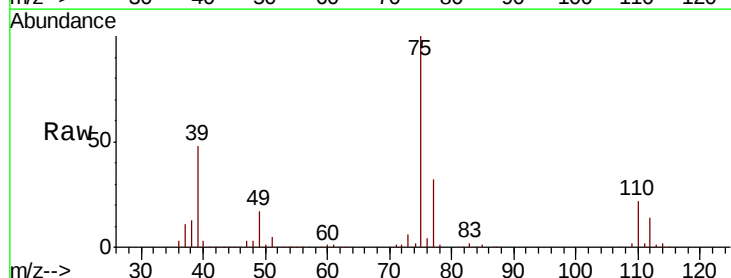
Manual Integrations
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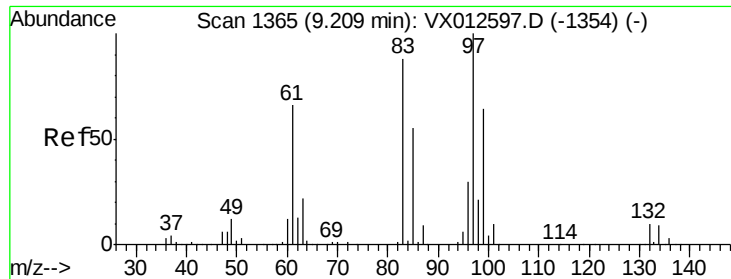
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 45.129 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Tgt Ion: 75 Resp: 147754
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.8
39 47.8 45.5 68.3





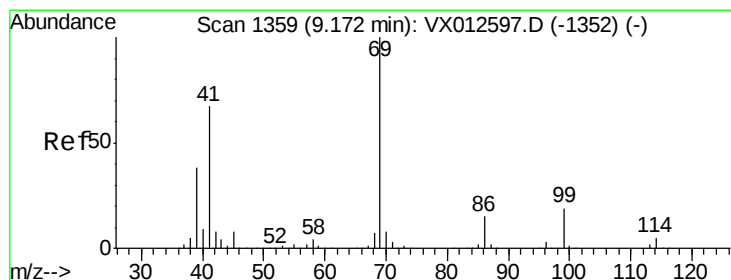
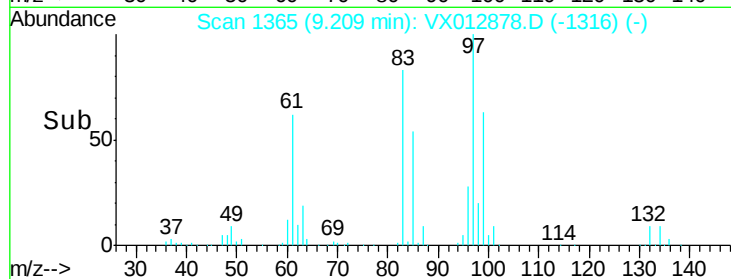
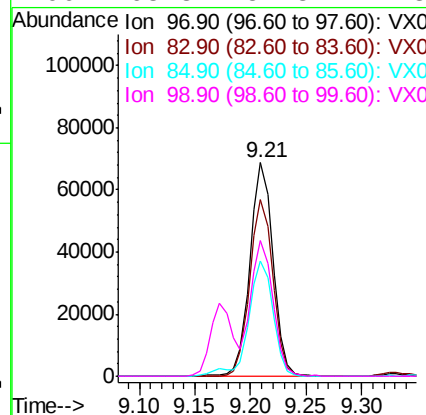
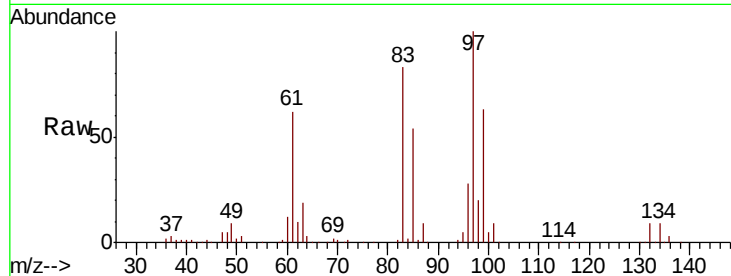
#55
 1,1,2-Trichloroethane
 Concen: 51.076 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MSD

Tot Ion	97	Resp	99285
Ion Ratio	Lower	Upper	
97	100		
83	82.5	67.4	101.2
85	53.9	43.5	65.3
99	63.3	51.8	77.8

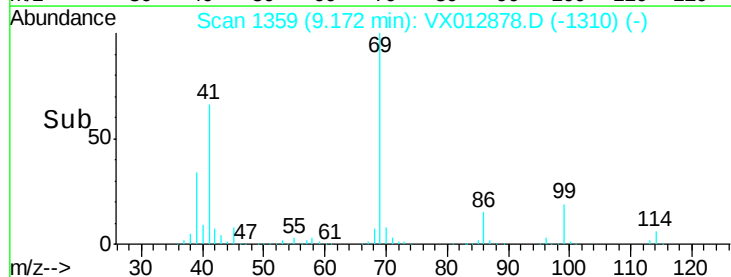
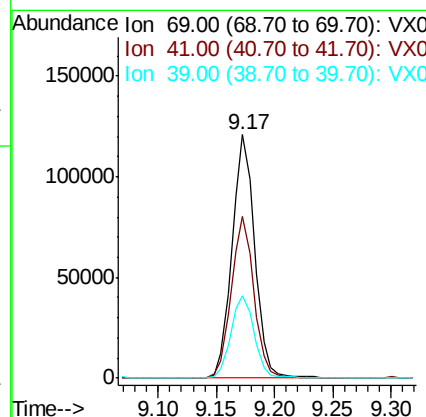
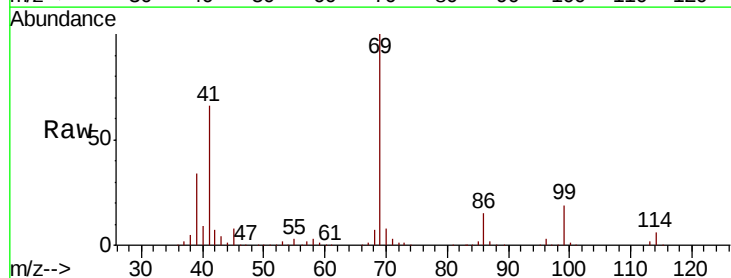
Manual Integrations
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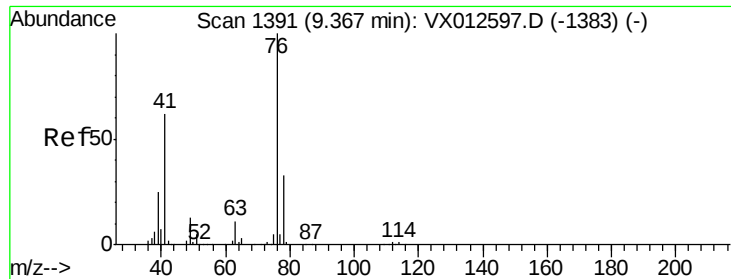
MMDadoda
 10/8/2019 2:07:30 PM



#56
 Ethyl methacrylate
 Concen: 50.185 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Tgt Ion	69	Resp	163889
Ion Ratio	Lower	Upper	
69	100		
41	66.5	58.4	87.6
39	35.0	33.4	50.0





#57

1,3-Dichloropropane

Concen: 50.054 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 76 Resp: 170286

Ion Ratio Lower Upper

76 100

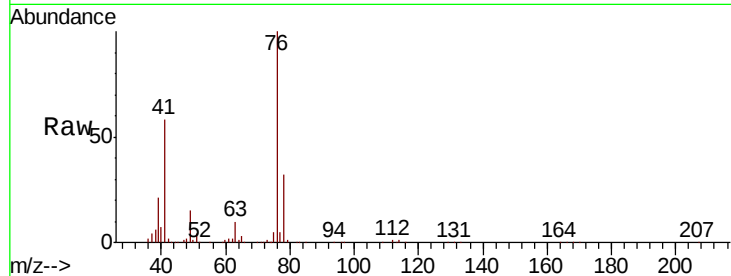
78 32.1 26.2 39.2

Manual Integrations

APPROVED

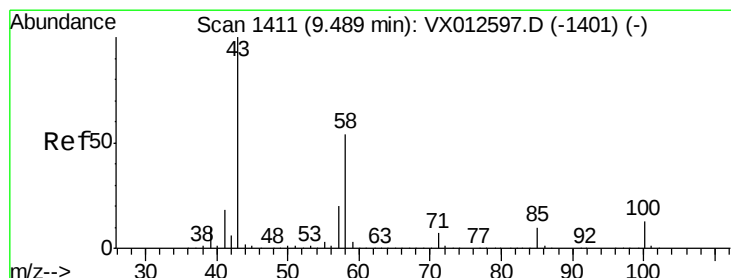
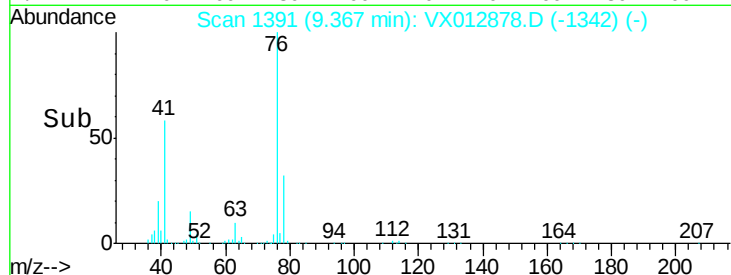
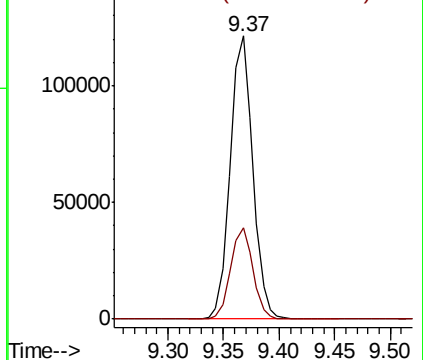
MMDadoda

10/8/2019 2:07:30 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 241.053 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX012878.D

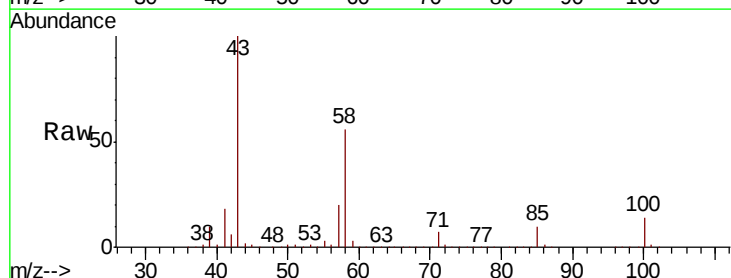
Acq: 08 Oct 2019 07:56

Tgt Ion: 43 Resp: 588752

Ion Ratio Lower Upper

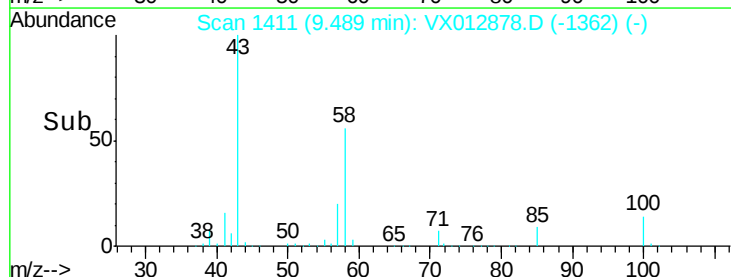
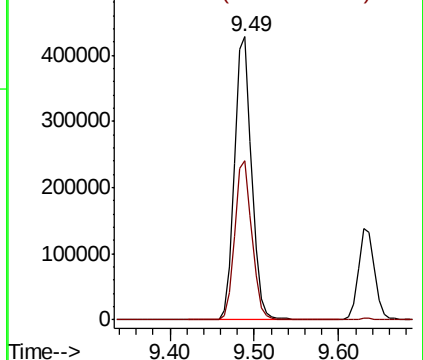
43 100

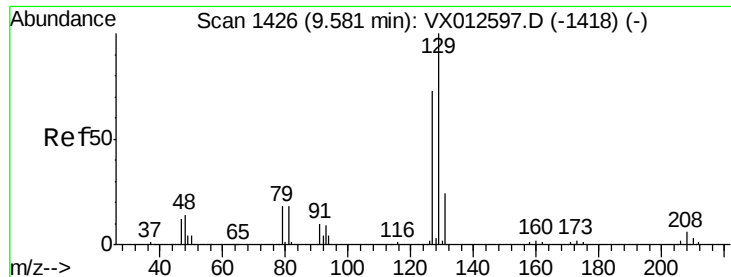
58 56.2 25.7 77.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 52.155 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion:129 Resp: 102627

Ion Ratio Lower Upper

129 100

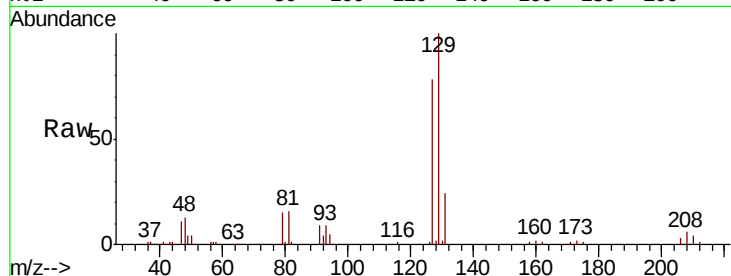
127 78.2 38.9 116.6

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

80000

60000

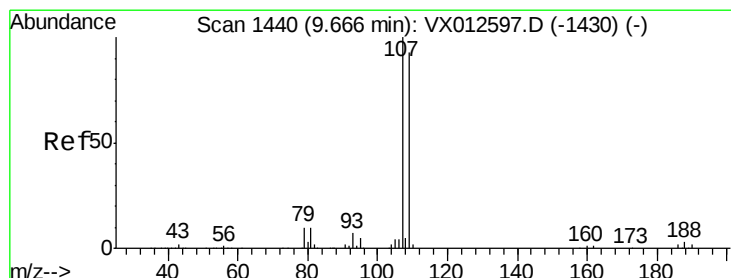
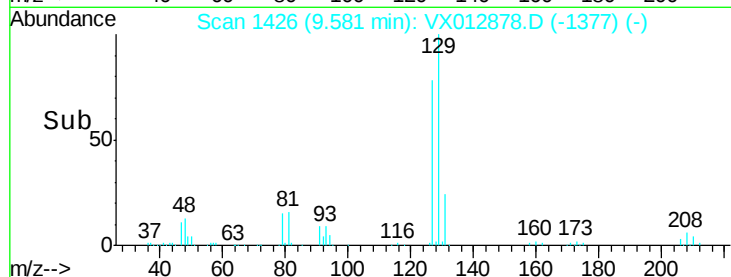
40000

20000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#61

1,2-Dibromoethane

Concen: 51.348 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012878.D

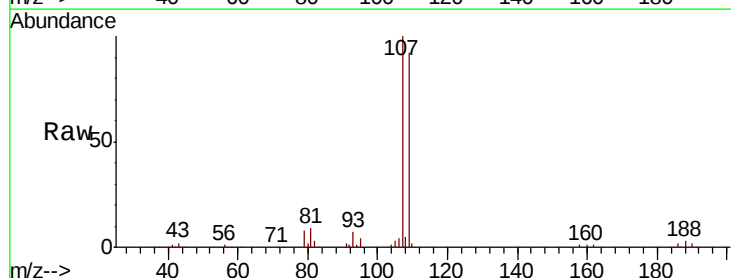
Acq: 08 Oct 2019 07:56

Tgt Ion:107 Resp: 103879

Ion Ratio Lower Upper

107 100

109 92.4 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

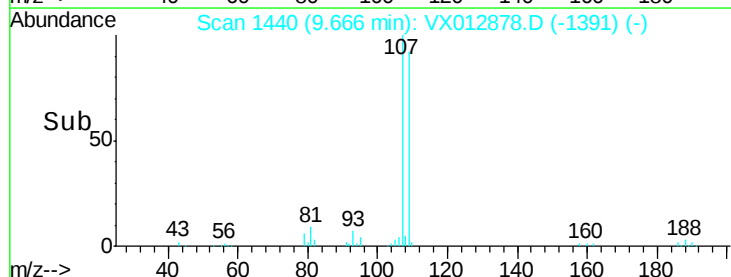
40000

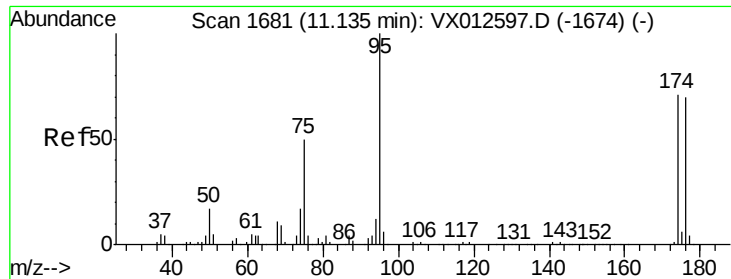
20000

0

9.60 9.65 9.70 9.75

Time-->





#62

4-Bromofluorobenzene

Concen: 51.181 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

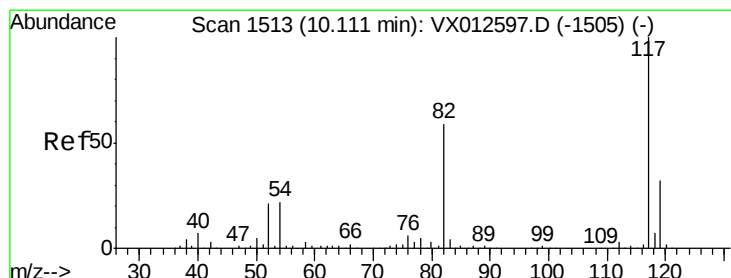
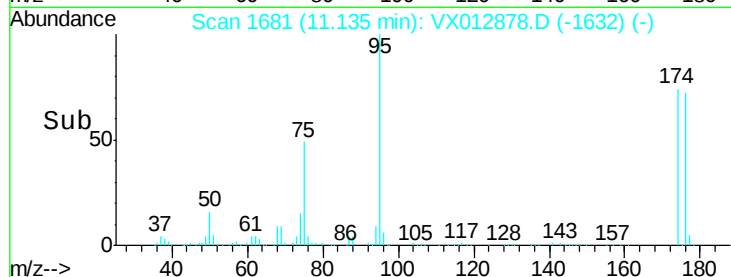
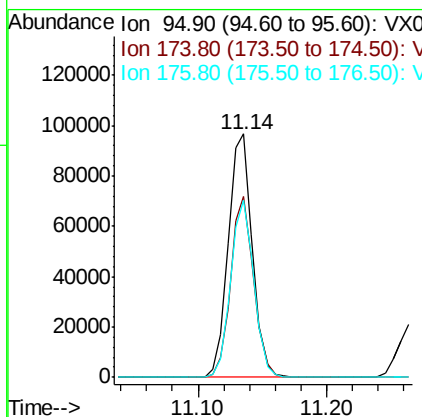
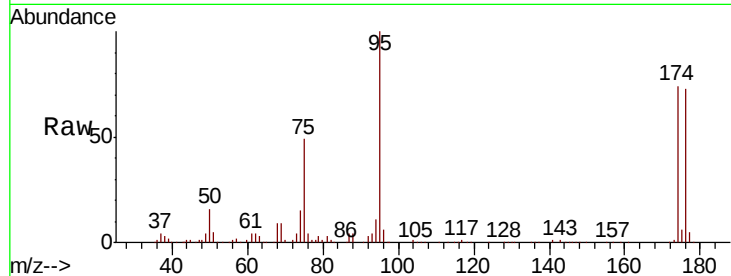
ClientSampleId :

FA19-MMW3414MSD

Tot Ion:	95	Resp:	126603
Ion Ratio	Lower	Upper	
95	100		
174	71.1	0.0	140.0
176	70.1	0.0	135.4

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

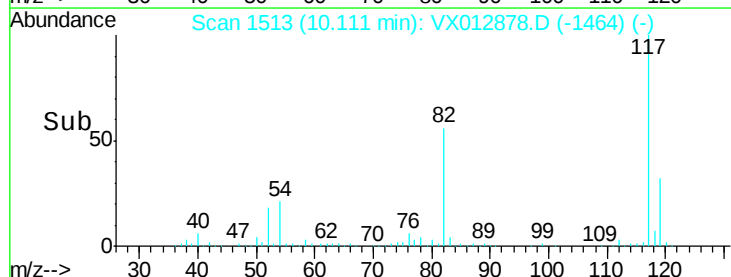
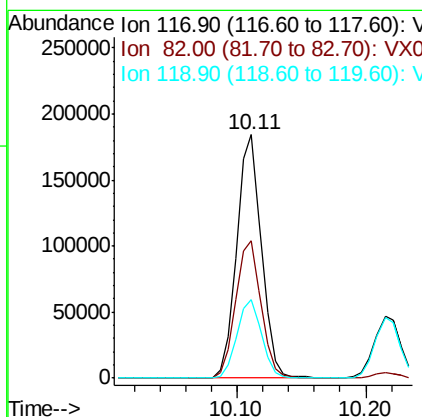
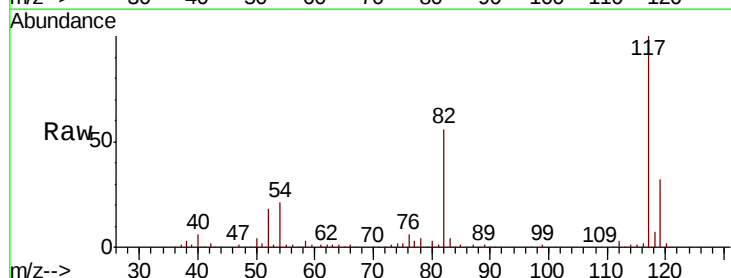
RT: 10.11 min Scan# 1513

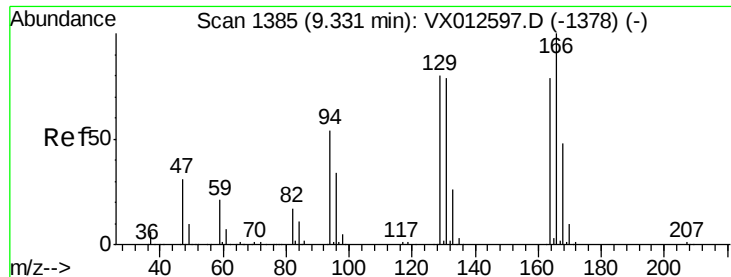
Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Tgt Ion:	117	Resp:	245993
Ion Ratio	Lower	Upper	
117	100		
82	56.3	45.9	68.9
119	32.3	25.3	37.9





#64

Tetrachloroethene

Concen: 45.740 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion:164 Resp: 78449

Ion Ratio Lower Upper

164 100

166 128.7 107.8 161.6

129 101.1 86.2 129.2

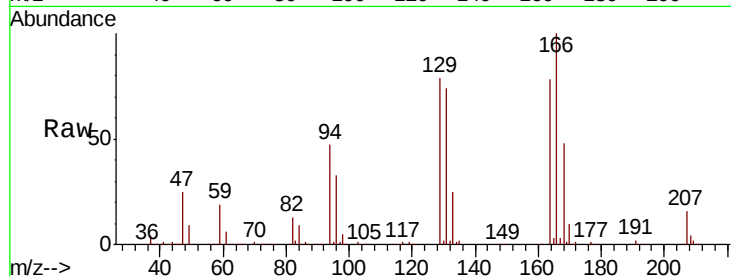
131 95.5 80.4 120.6

Manual Integrations

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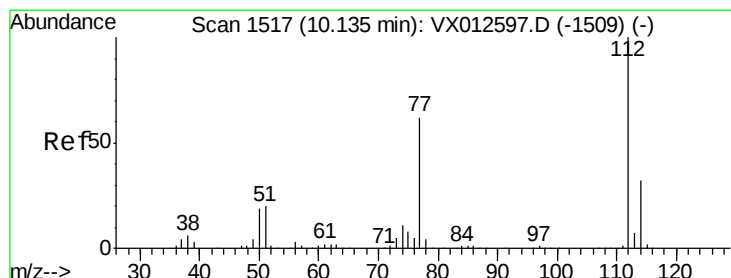
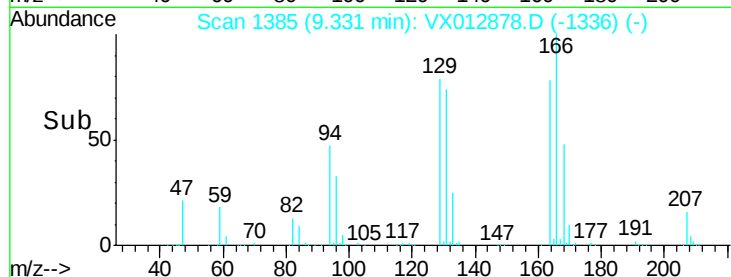
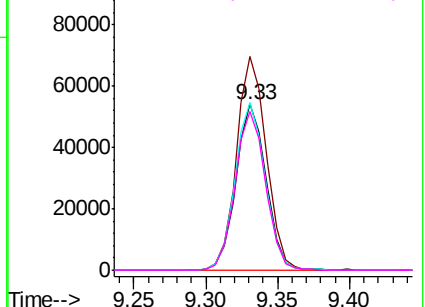
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 48.711 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012878.D

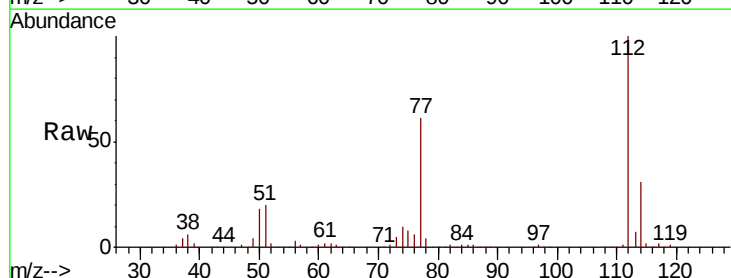
Acq: 08 Oct 2019 07:56

Tgt Ion:112 Resp: 252331

Ion Ratio Lower Upper

112 100

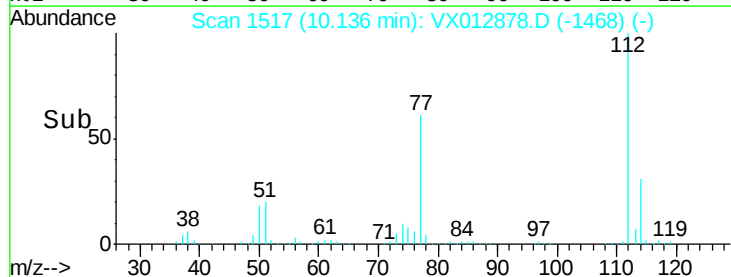
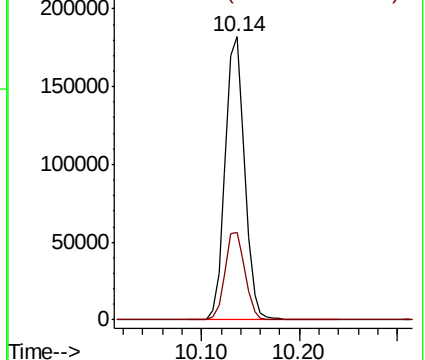
114 31.1 25.4 38.0

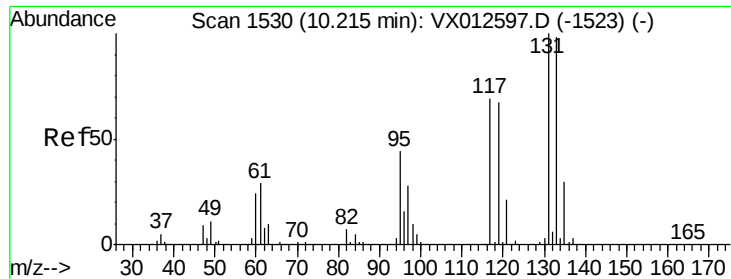


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





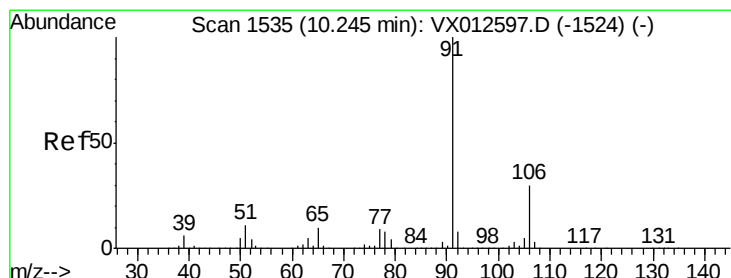
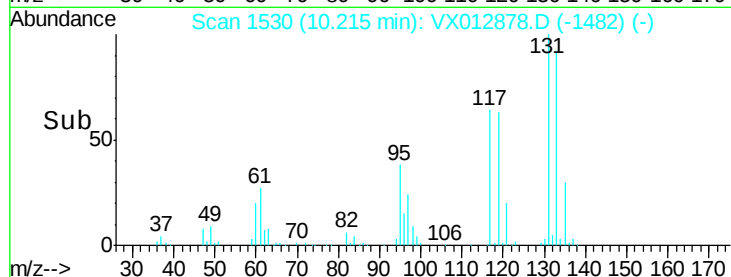
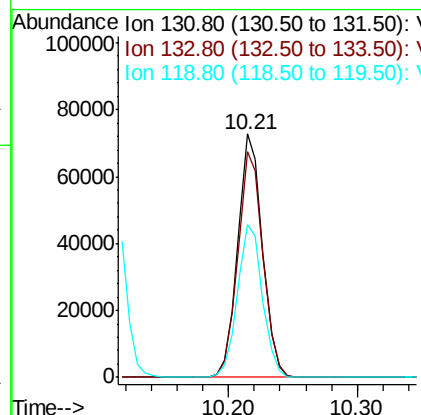
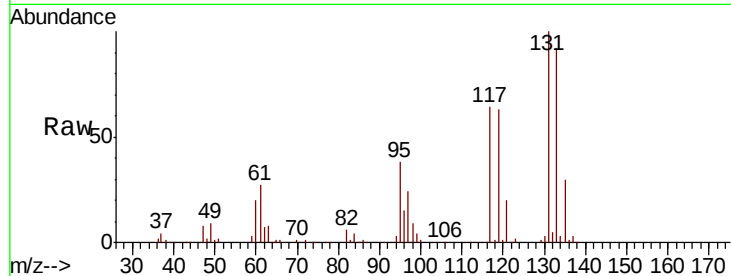
#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.729 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.6	142.9
119	63.8	31.3	93.8

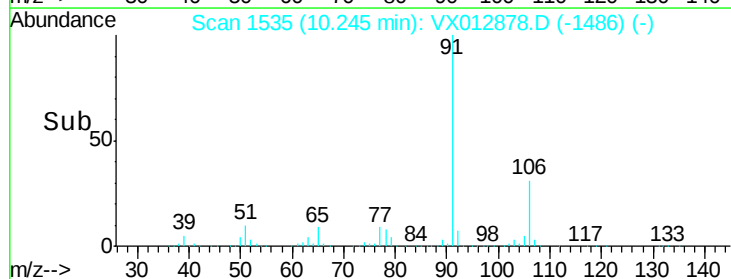
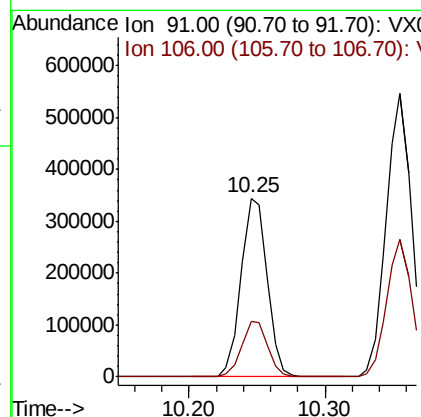
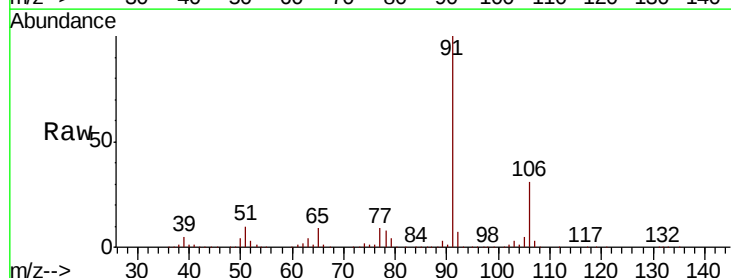
Manual Integrations
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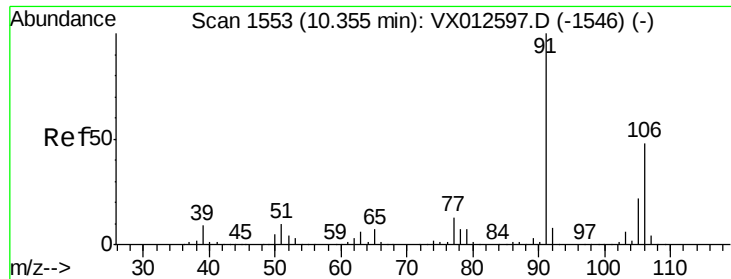
MMDadoda
 10/8/2019 2:07:30 PM



#67
 Ethyl Benzene
 Concen: 49.296 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.6	37.0





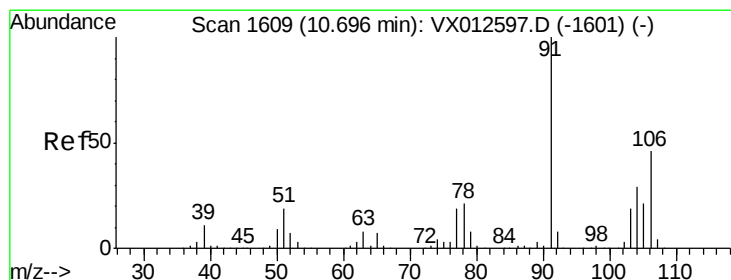
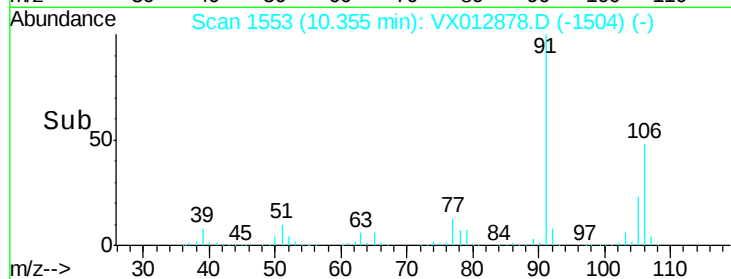
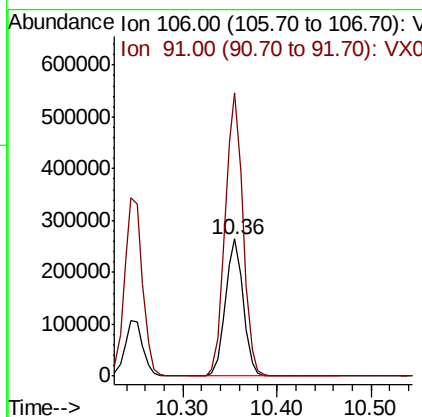
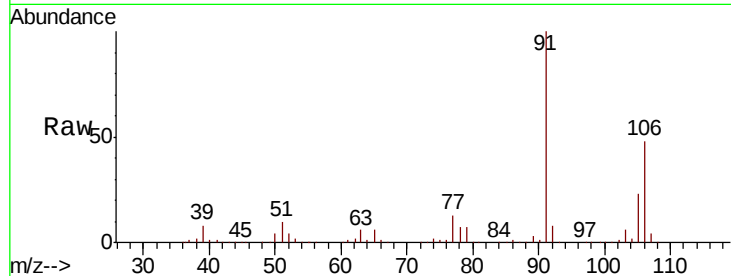
#68
m/p-Xylenes
Concen: 98.195 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MSD

Tot Ion:106 Resp: 345597
Ion Ratio Lower Upper
106 100
91 206.6 166.6 250.0

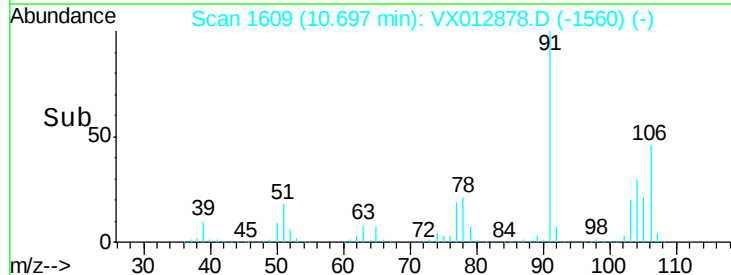
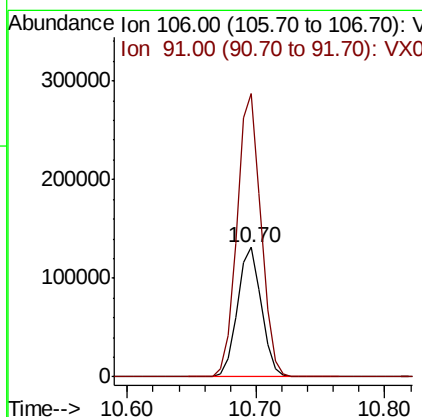
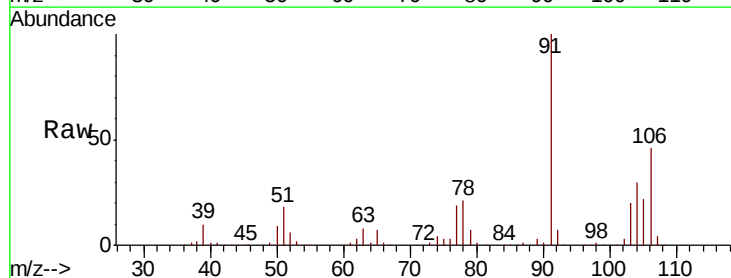
Manual Integrations
APPROVED

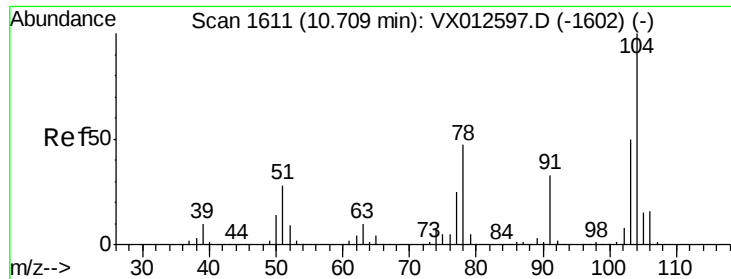
MMDadoda
10/8/2019 2:07:30 PM



#69
o-Xylene
Concen: 49.842 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Tgt Ion:106 Resp: 169739
Ion Ratio Lower Upper
106 100
91 218.1 109.4 328.2





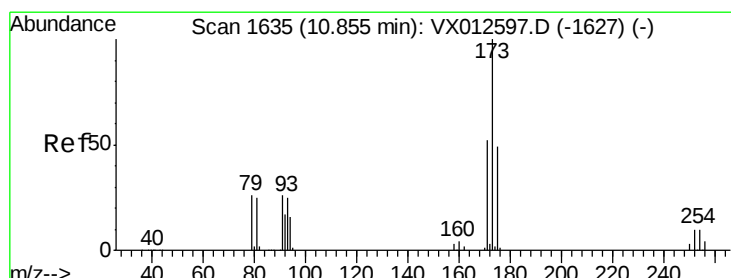
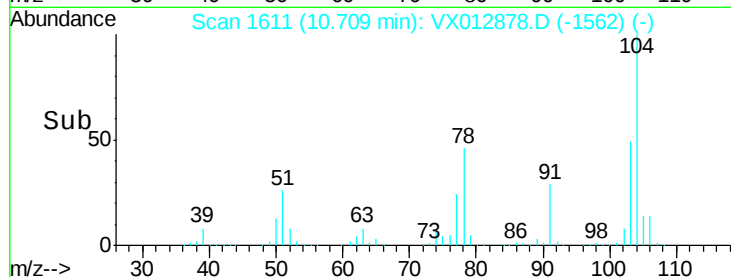
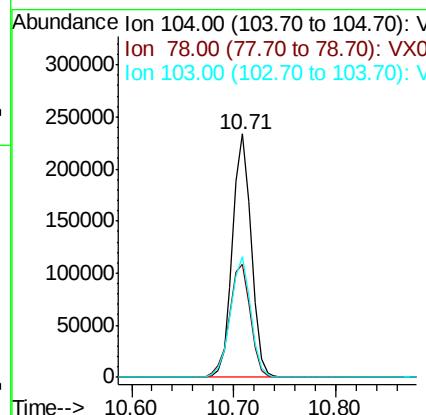
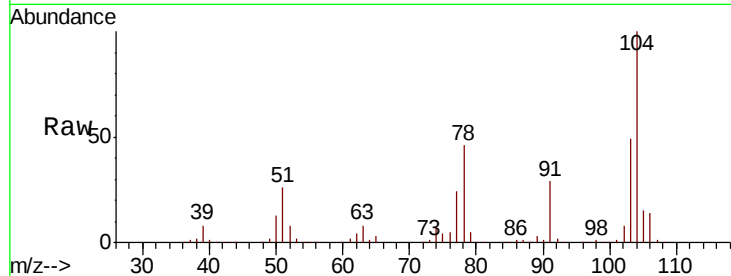
#70
Stvrene
Concen: 51.875 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.6	43.4	65.2
103	53.5	43.3	64.9

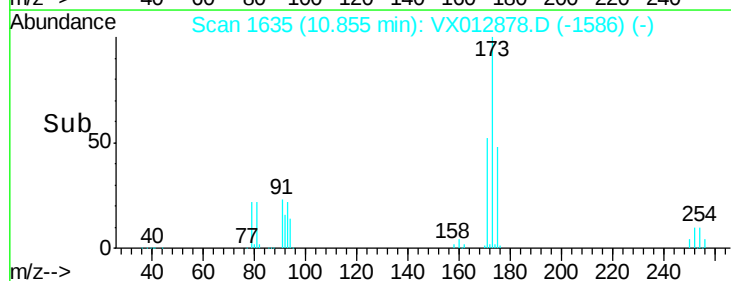
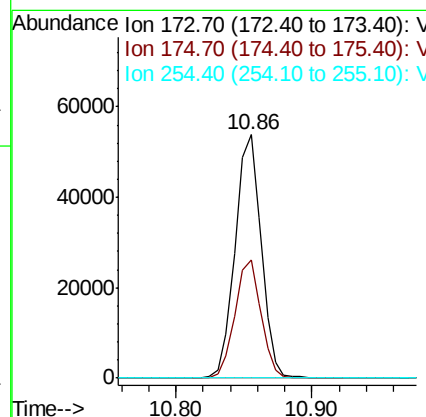
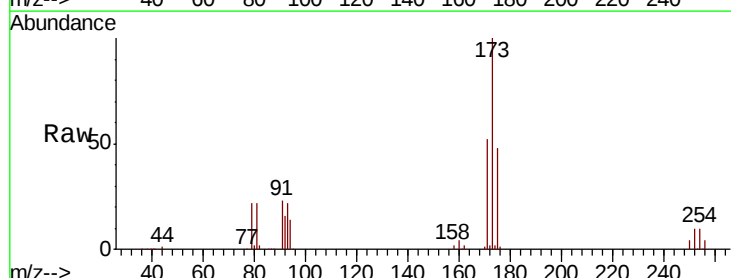
Manual Integrations
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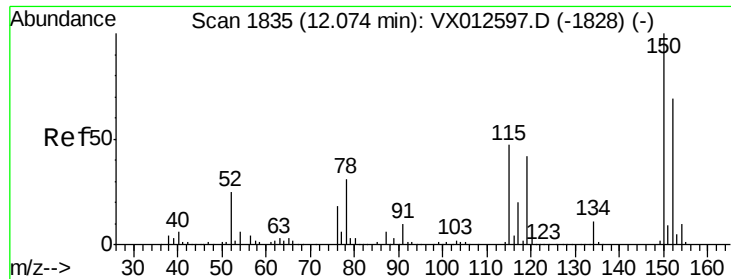
MMDadoda
10/8/2019 2:07:30 PM



#71
Bromoform
Concen: 54.853 ug/l
RT: 10.86 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.7	71.1
254	0.1	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion:152 Resp: 114924

Ion Ratio Lower Upper

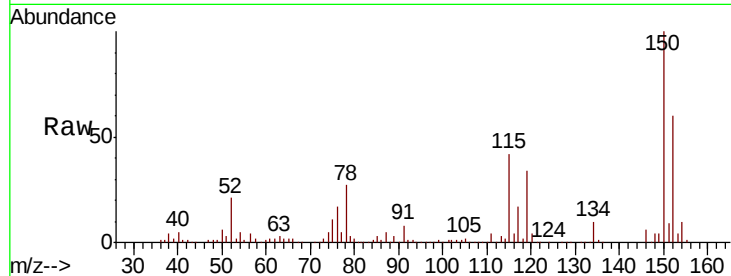
152 100

115 88.5 44.1 132.3

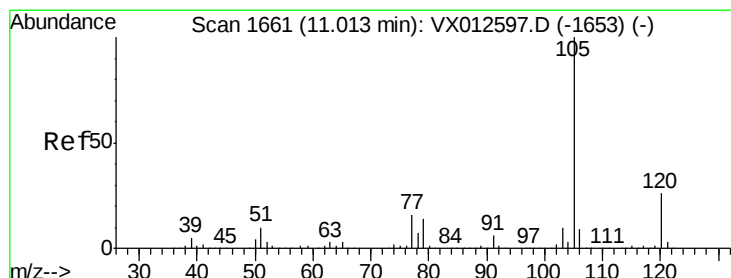
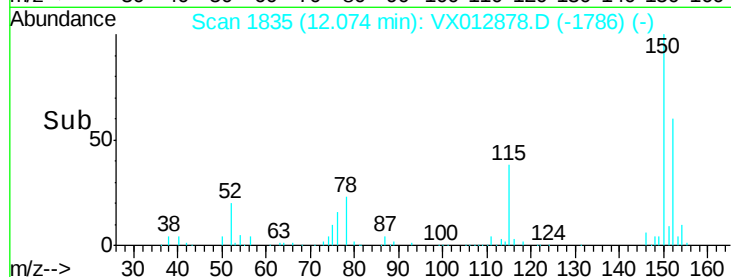
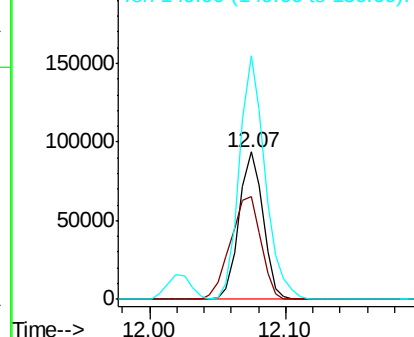
150 178.1 0.0 343.8

Manual Integrations
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10/8/2019 2:07:30 PM



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



#73

Isopropylbenzene

Concen: 47.737 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012878.D

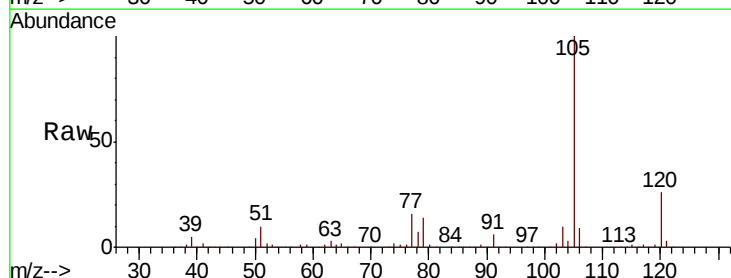
Acq: 08 Oct 2019 07:56

Tgt Ion:105 Resp: 446823

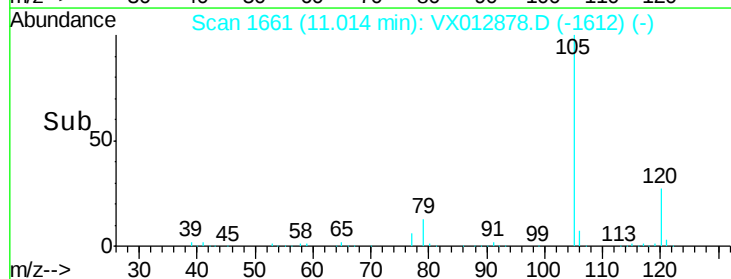
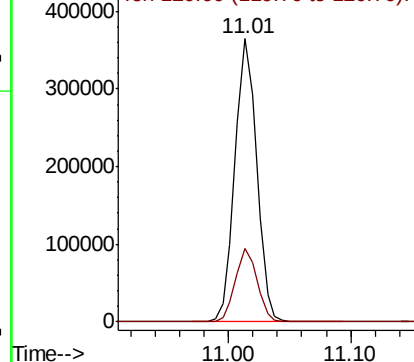
Ion Ratio Lower Upper

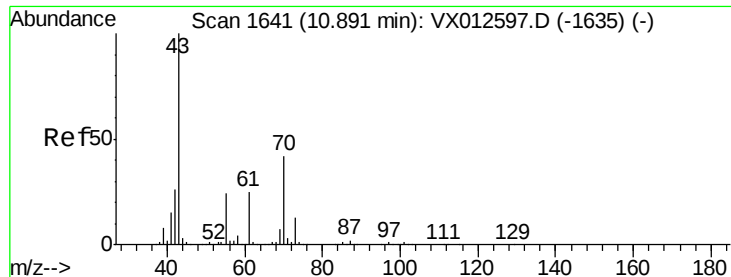
105 100

120 25.9 12.9 38.7



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





#74

N-amvl acetate

Concen: 41.871 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

ClientSampleId :

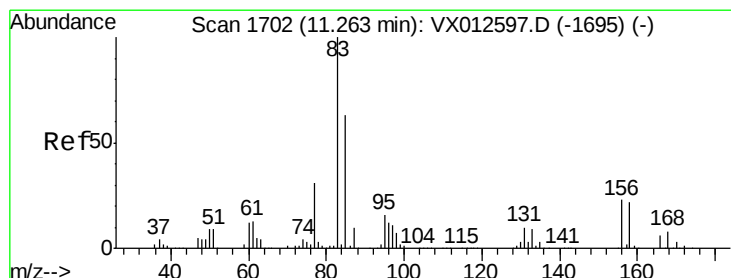
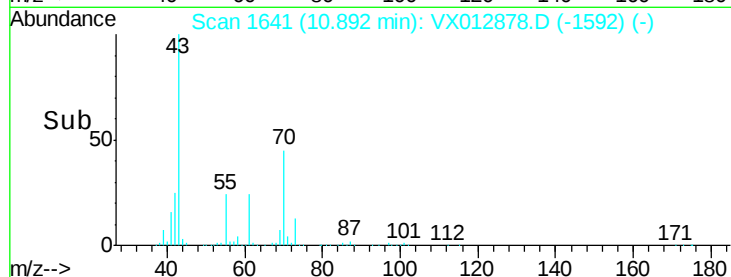
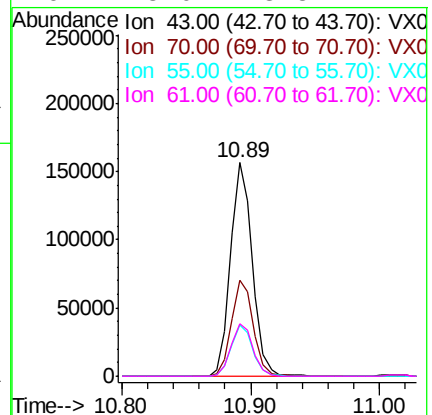
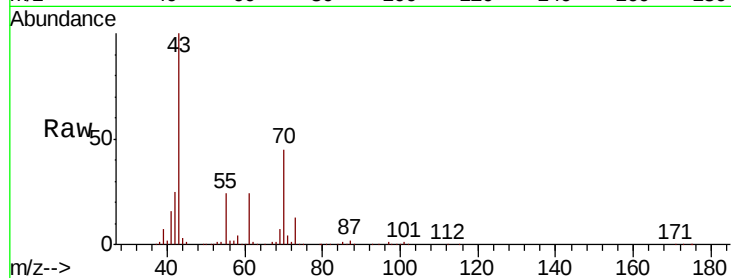
FA19-MMW3414MSD

Tot Ion: 43 Resp: 186972

Ion	Ratio	Lower	Upper
43	100		
70	45.1	32.4	48.6
55	24.2	18.2	27.4
61	25.0	18.5	27.7

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#75

1,1,2,2-Tetrachloroethane

Concen: 51.289 ug/l

RT: 11.26 min Scan# 1702

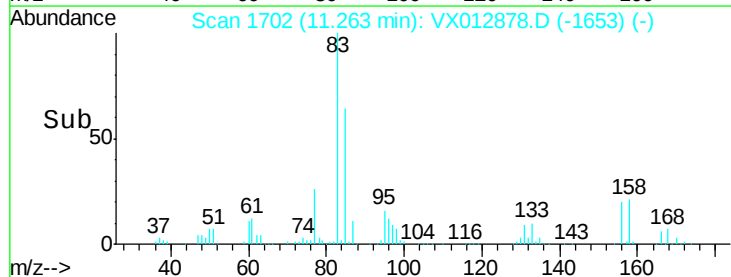
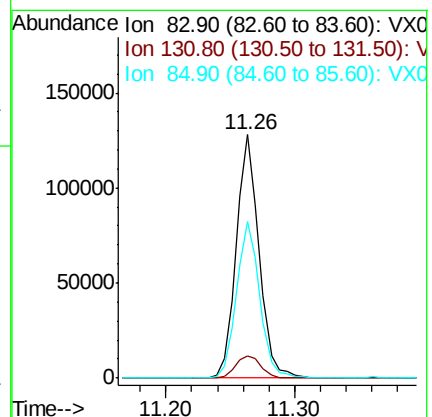
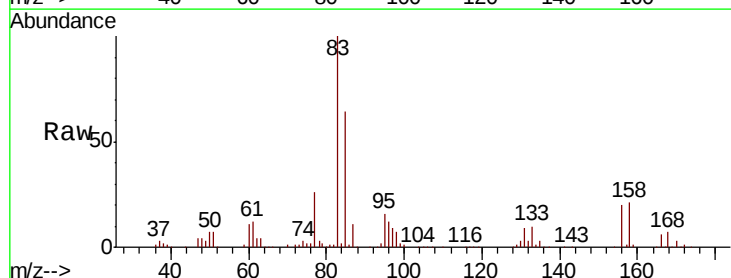
Delta R.T. 0.00 min

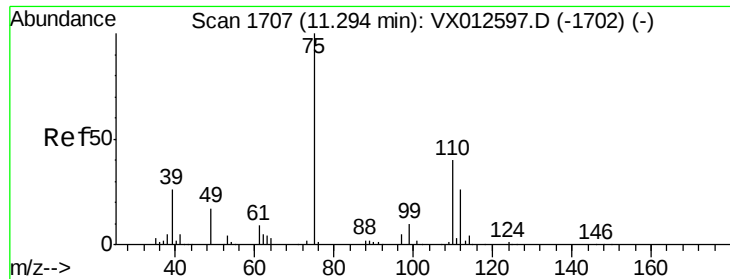
Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Tgt Ion: 83 Resp: 158994

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.2	15.6
85	65.2	32.0	96.0





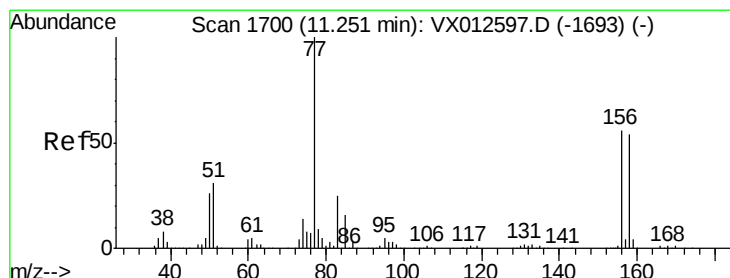
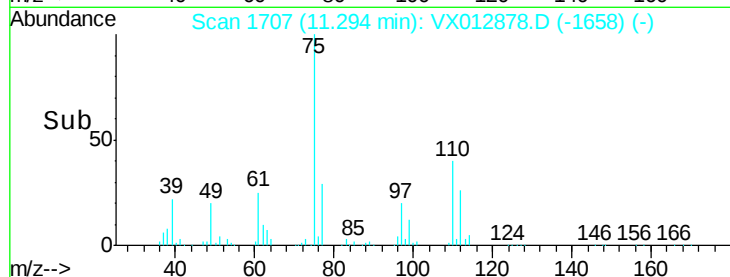
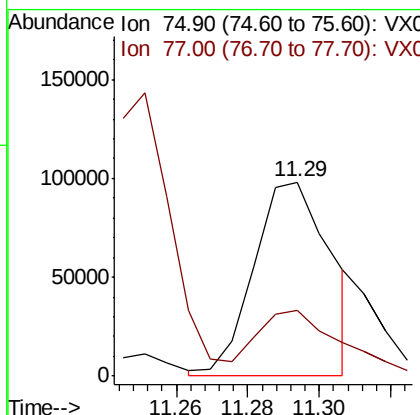
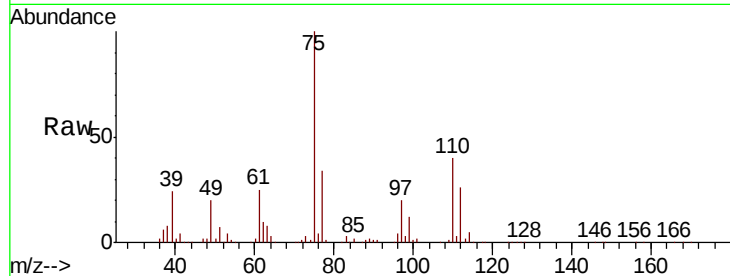
#76
 1,2,3-Trichloropropane
 Concen: 47.654 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MSD

Tot Ion: 75 Resp: 144870
 Ion Ratio Lower Upper
 75 100
 77 37.6 19.7 59.0

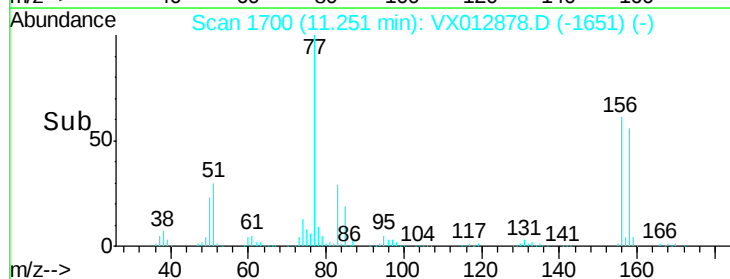
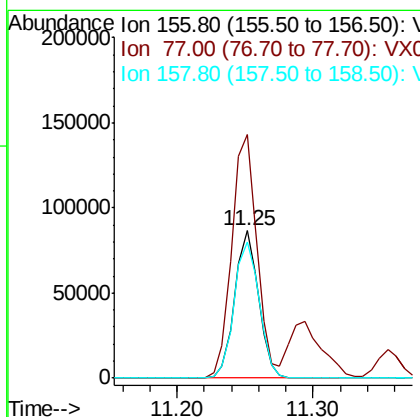
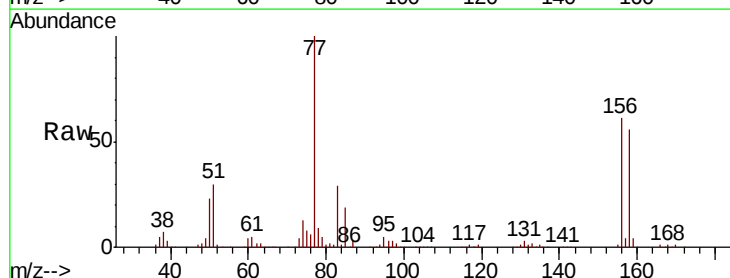
Manual Integrations
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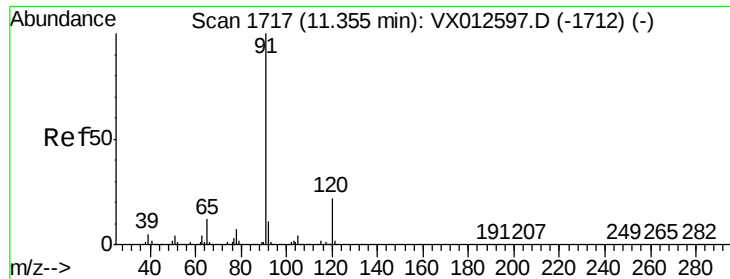
MMDadoda
 10/8/2019 2:07:30 PM



#77
 Bromobenzene
 Concen: 49.932 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Tgt Ion: 156 Resp: 105779
 Ion Ratio Lower Upper
 156 100
 77 174.6 87.3 261.8
 158 97.5 48.5 145.6





#78

n-propylbenzene

Concen: 47.378 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 91 Resp: 499261

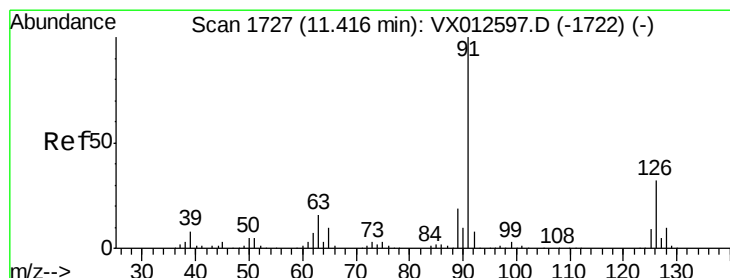
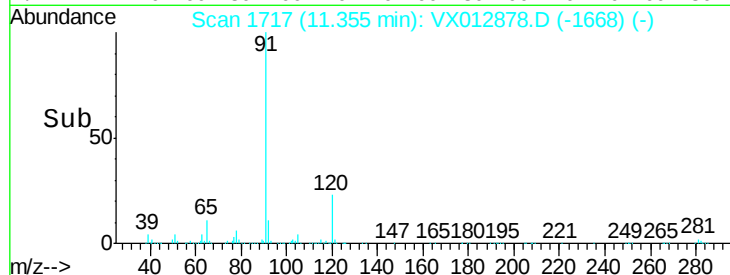
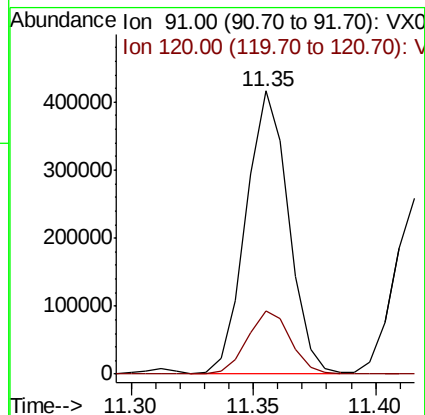
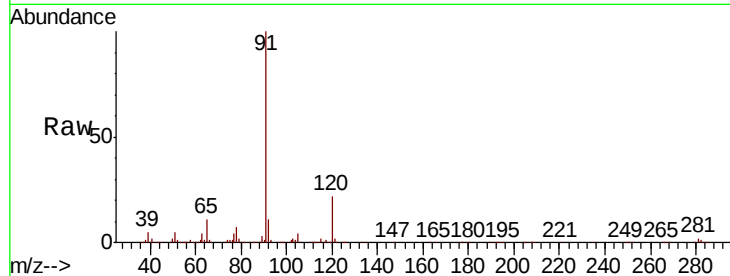
Ion Ratio Lower Upper

91 100

120 22.8 11.3 33.8

Manual Integrations
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#79

2-Chlorotoluene

Concen: 47.628 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012878.D

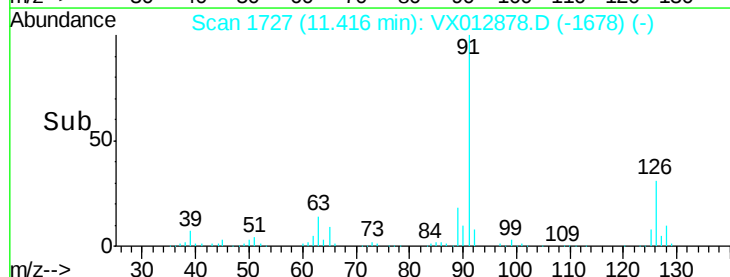
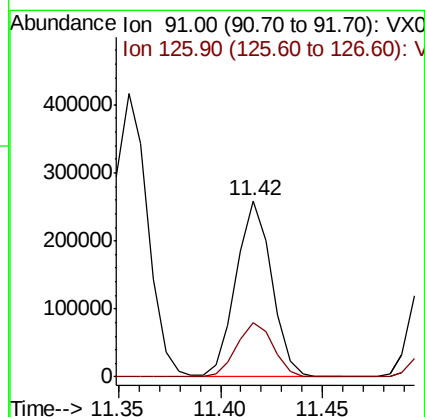
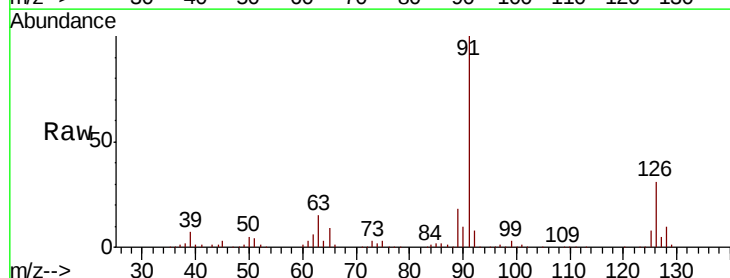
Acq: 08 Oct 2019 07:56

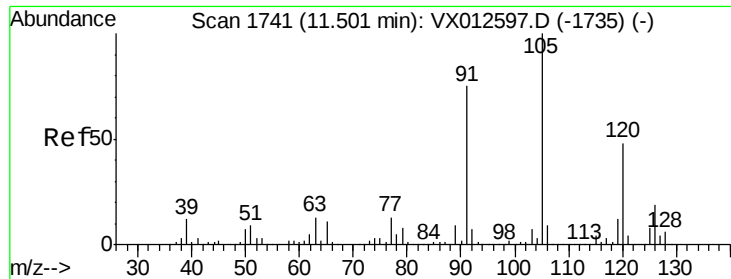
Tgt Ion: 91 Resp: 313095

Ion Ratio Lower Upper

91 100

126 31.9 16.4 49.4





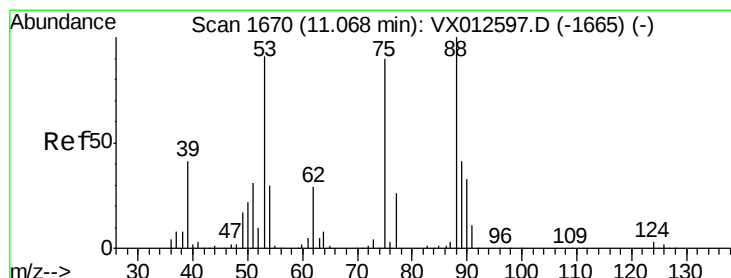
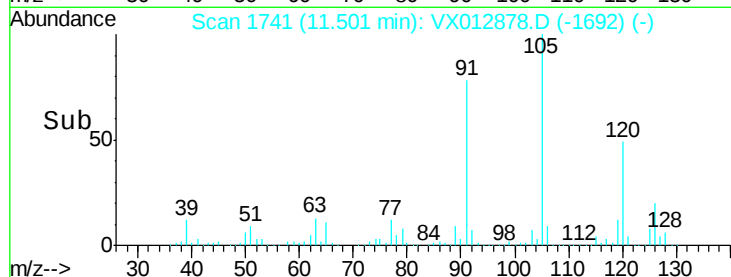
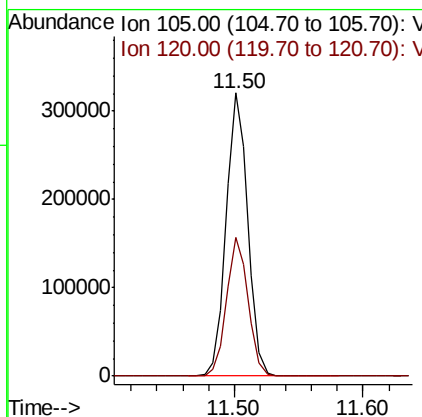
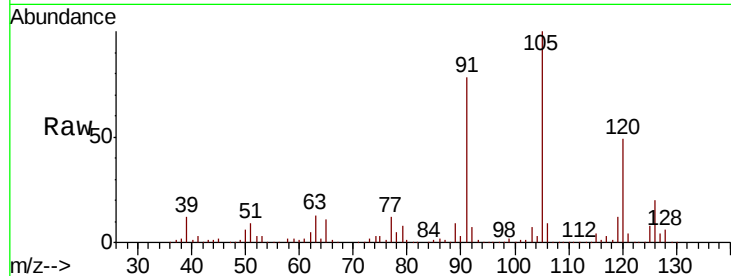
#80
 1,3,5-Trimethylbenzene
 Concen: 48.423 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.3	72.8

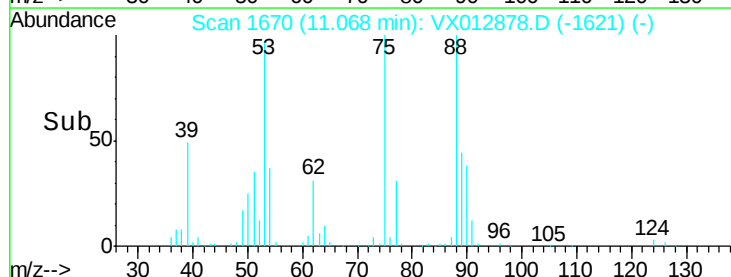
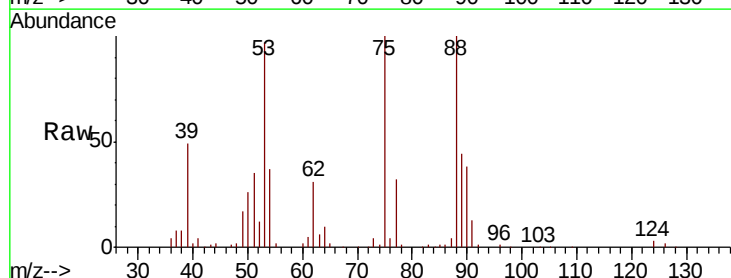
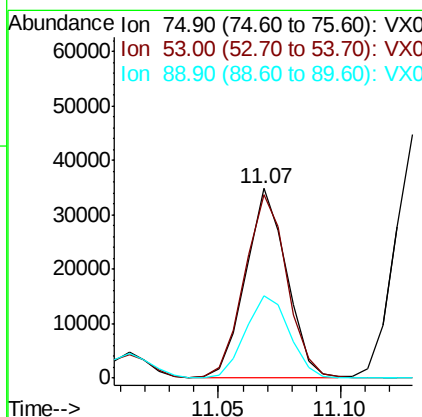
Manual Integrations
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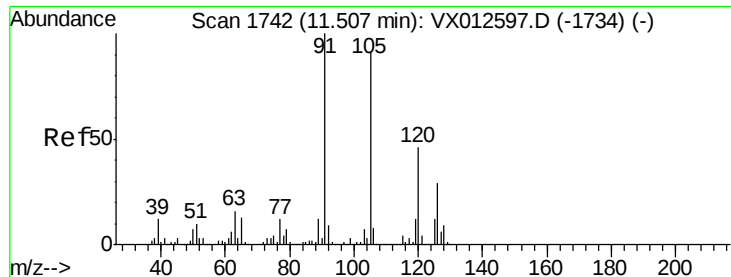
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 38.311 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Tgt Ion	Ratio	Lower	Upper
75	100		
53	100.5	83.6	125.4
89	46.7	36.3	54.5





#82

4-Chlorotoluene

Concen: 48.213 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414MSD

Tot Ion: 91 Resp: 361300

Ion Ratio Lower Upper

91 100

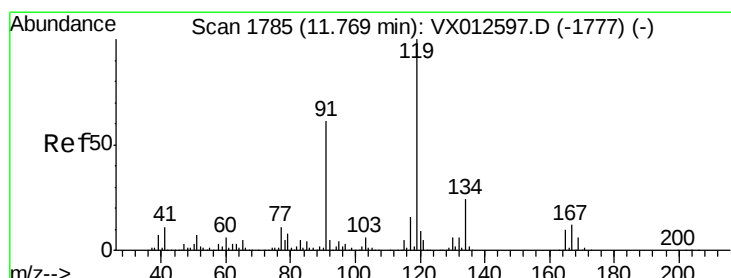
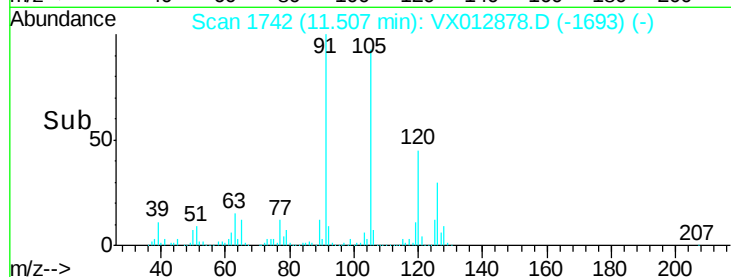
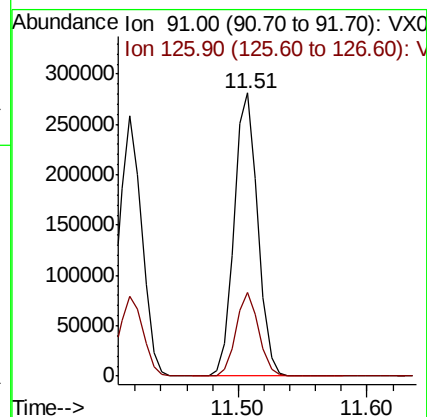
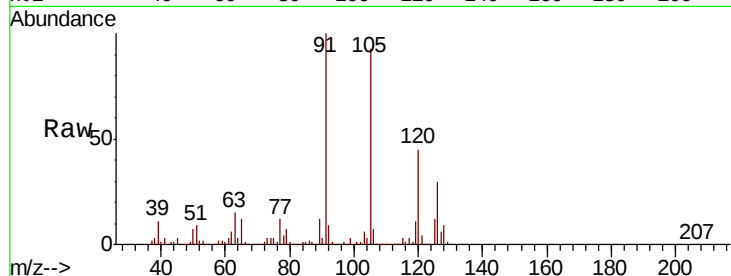
126 28.4 14.4 43.0

Manual Integrations

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#83

tert-Butylbenzene

Concen: 49.002 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

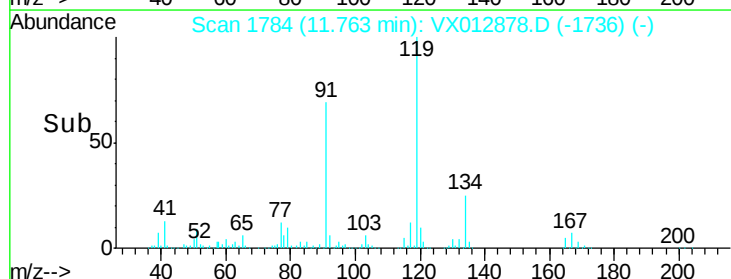
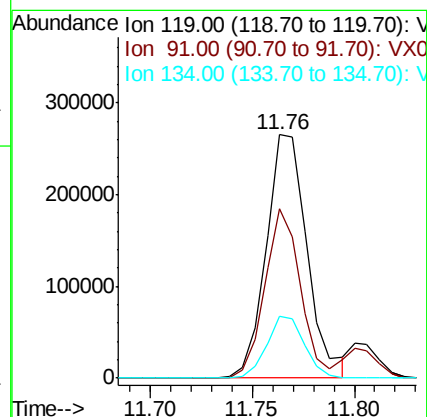
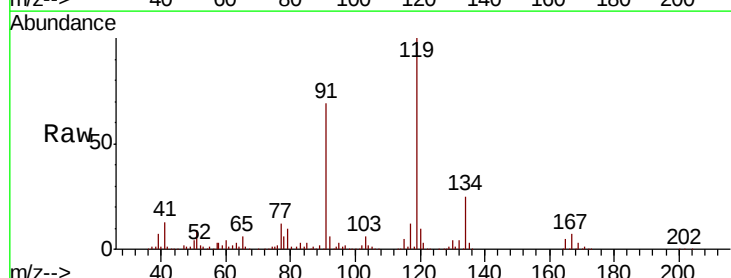
Tgt Ion: 119 Resp: 371031

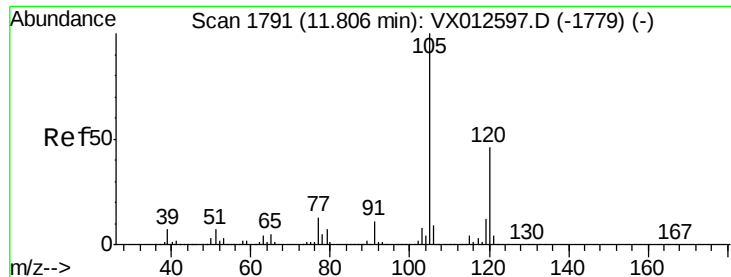
Ion Ratio Lower Upper

119 100

91 60.5 30.0 90.0

134 23.4 11.3 33.9





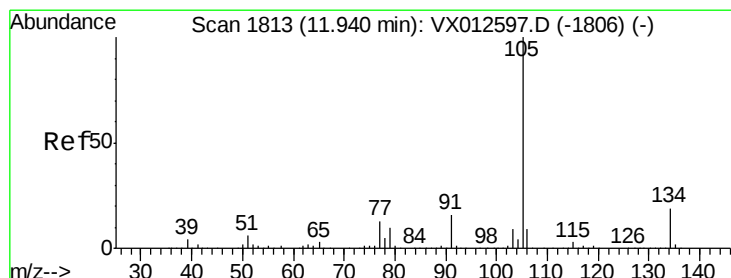
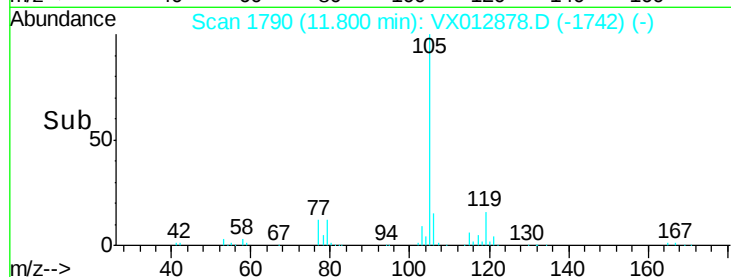
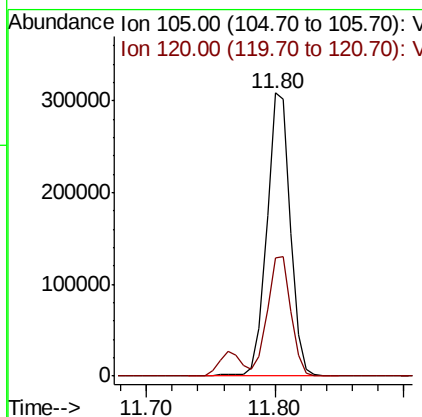
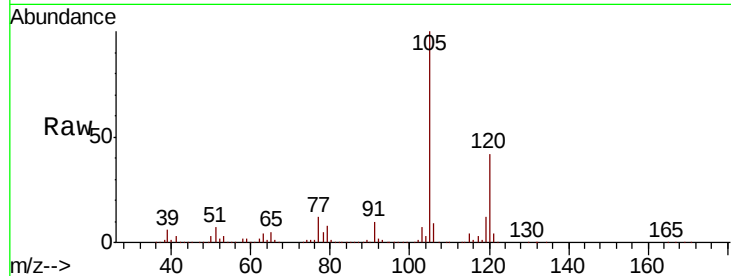
#84
 1,2,4-Trimethylbenzene
 Concen: 49.046 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	42.4	22.2	66.6

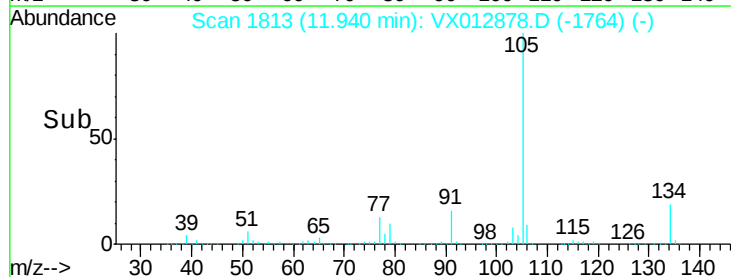
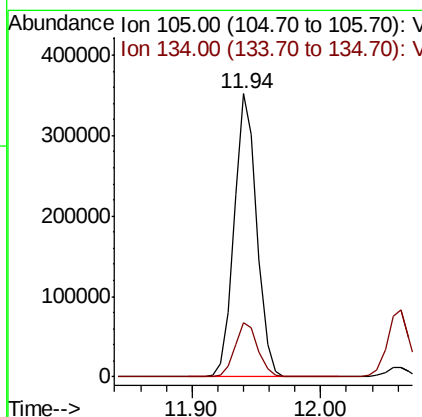
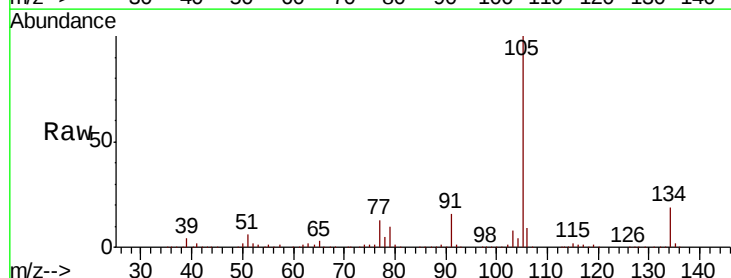
Manual Integrations
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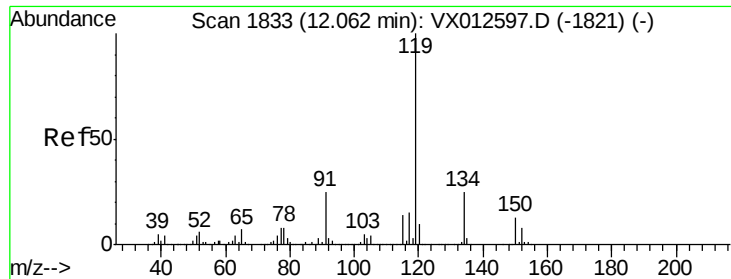
MMDadoda
 10/8/2019 2:07:30 PM



#85
 sec-Butylbenzene
 Concen: 48.748 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4





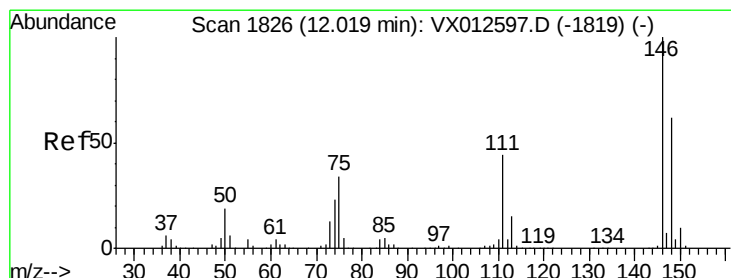
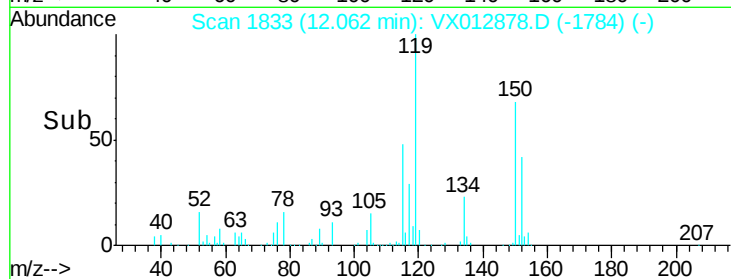
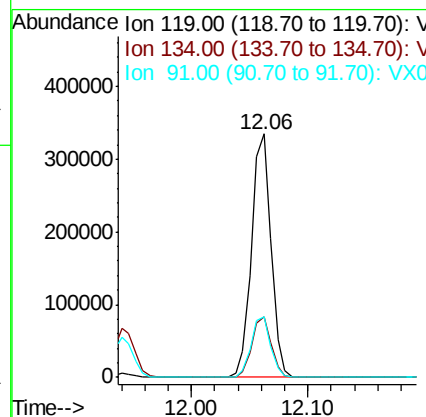
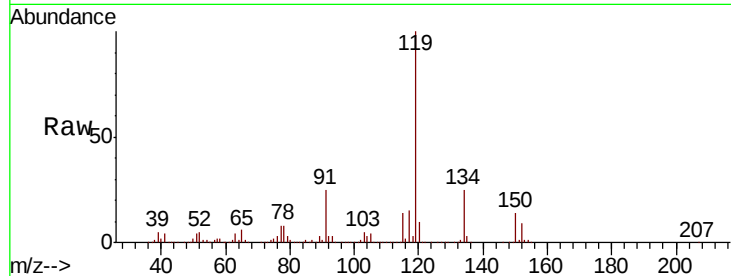
#86
 p-Isopropyltoluene
 Concen: 49.502 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	393367		
134	25.0	12.7	38.1	
91	24.8	12.8	38.4	

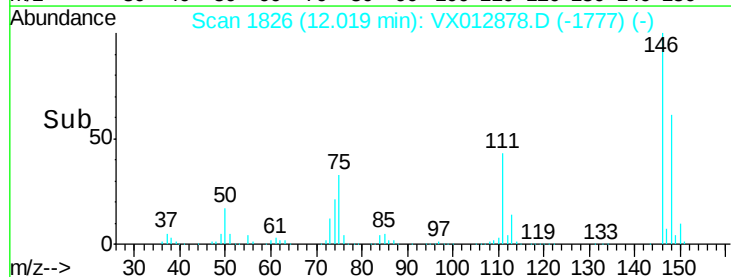
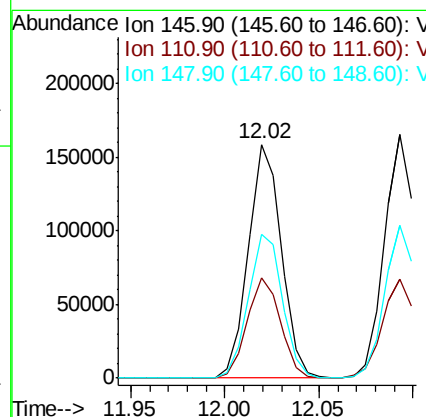
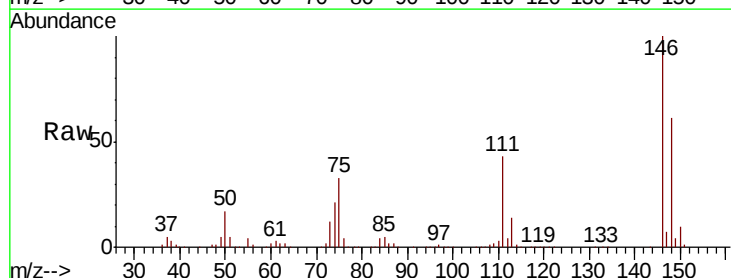
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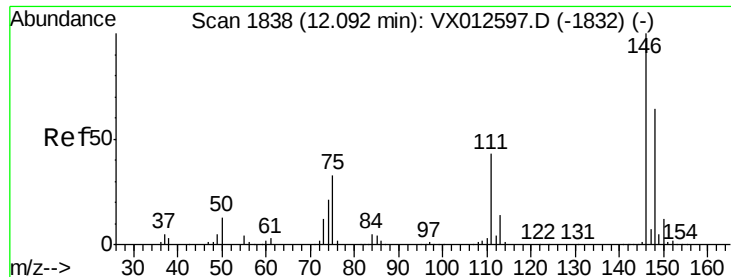
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#87
 1,3-Dichlorobenzene
 Concen: 50.678 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	193204		
111	43.3	21.3	64.0	
148	63.7	32.4	97.2	





#88

1,4-Dichlorobenzene

Concen: 50.449 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

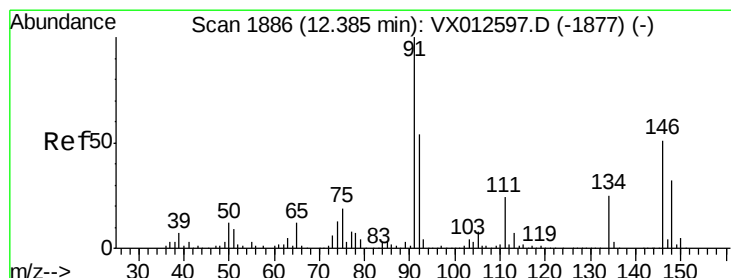
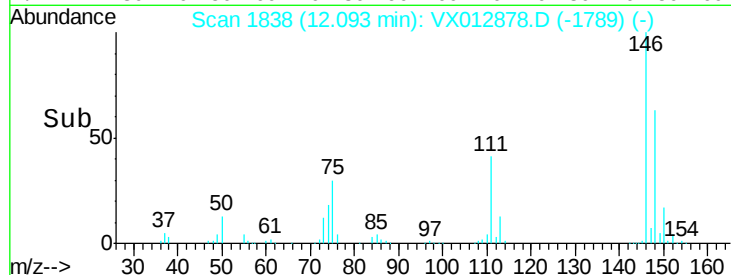
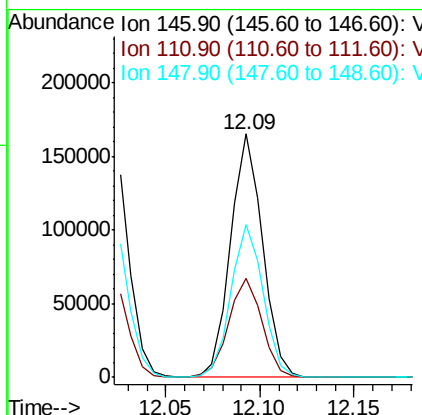
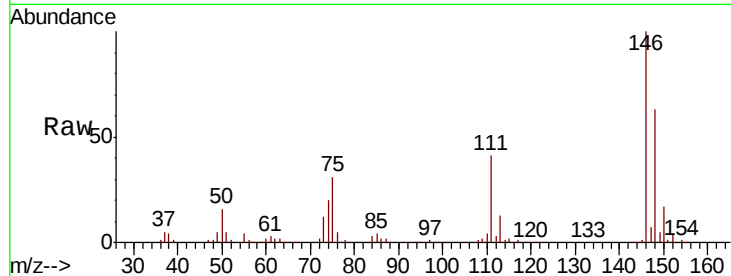
ClientSampleId :

FA19-MMW3414MSD

Tot Ion:	146	Resp:	194350
Ion Ratio	Lower	Upper	
146	100		
111	42.3	21.1	63.3
148	63.3	32.1	96.5

Manual Integrations
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#89

n-Butylbenzene

Concen: 45.469 ug/l

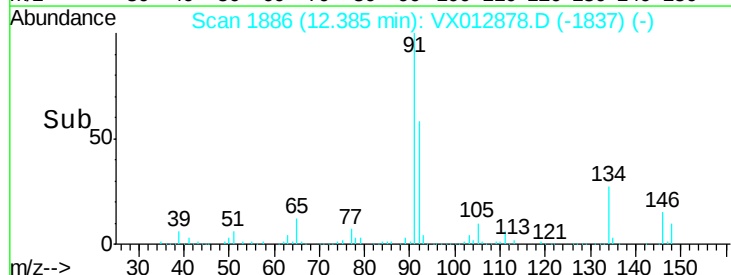
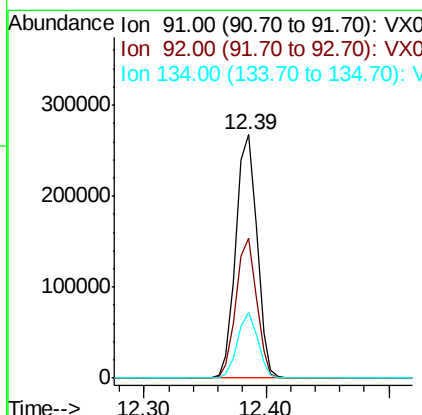
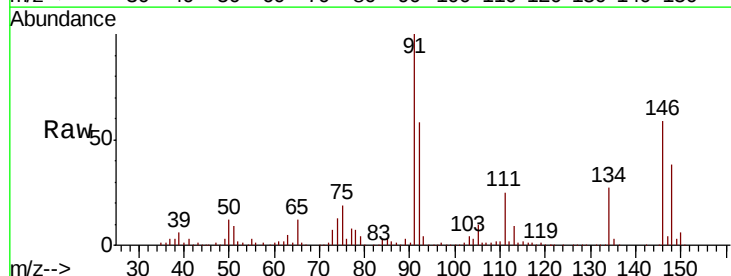
RT: 12.39 min Scan# 1886

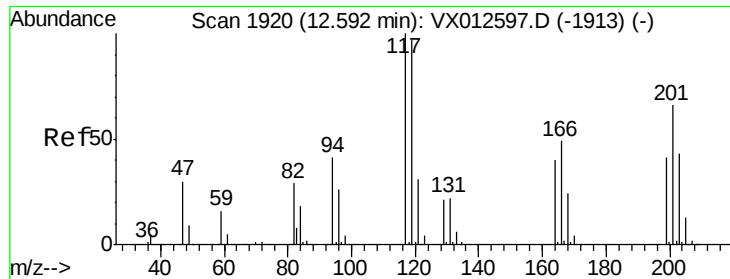
Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Tgt Ion:	91	Resp:	318392
Ion Ratio	Lower	Upper	
91	100		
92	56.1	27.7	83.0
134	26.0	12.9	38.6





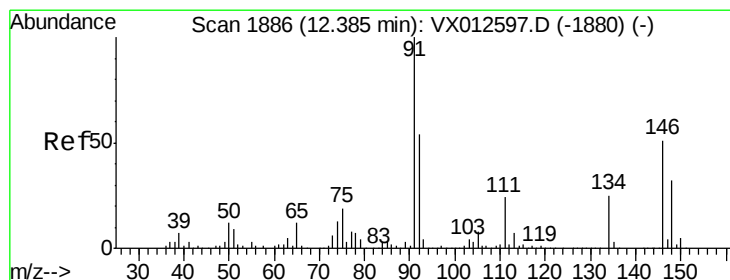
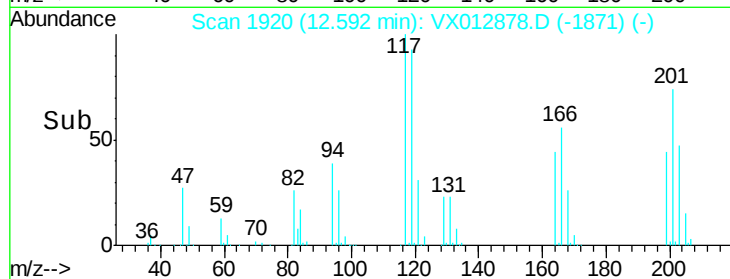
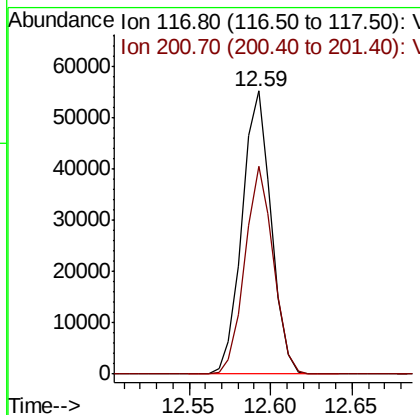
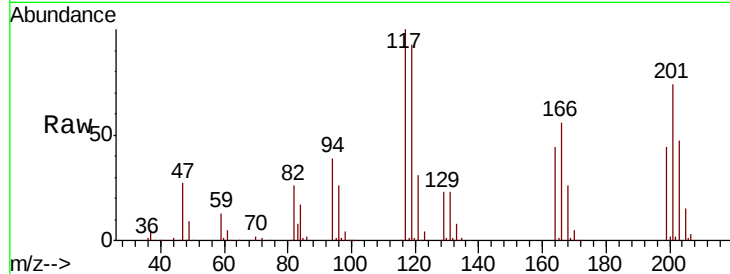
#90
Hexachloroethane
Concen: 48.479 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414MSD

Tot Ion:117 Resp: 68680
Ion Ratio Lower Upper
117 100
201 72.2 33.3 99.8

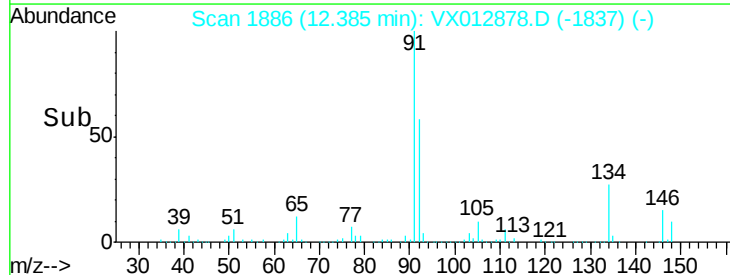
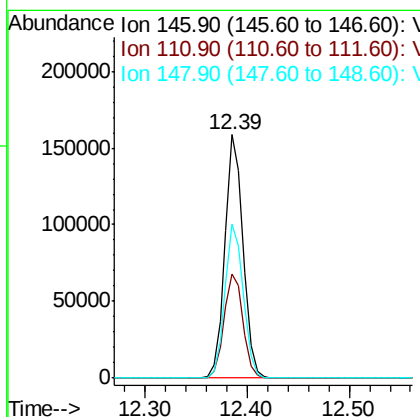
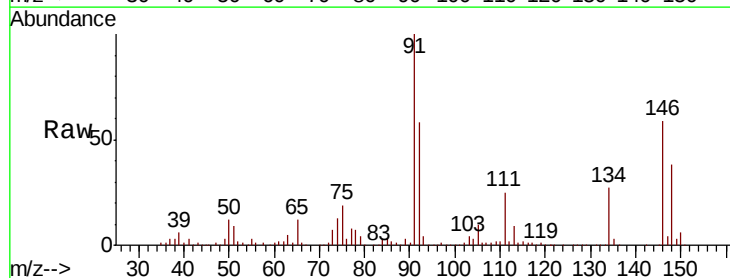
Manual Integrations
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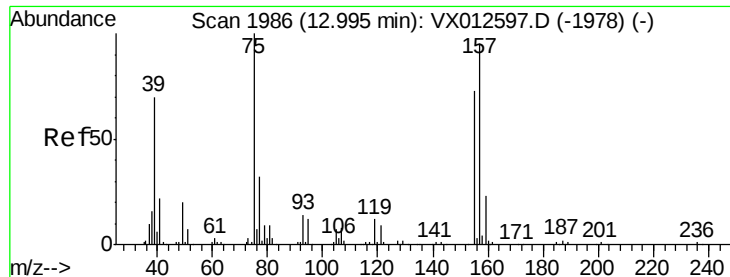
MMDadoda
10/8/2019 2:07:30 PM



#91
1,2-Dichlorobenzene
Concen: 51.051 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012878.D
Acq: 08 Oct 2019 07:56

Tgt Ion:146 Resp: 194850
Ion Ratio Lower Upper
146 100
111 45.0 22.1 66.1
148 64.4 31.3 93.9





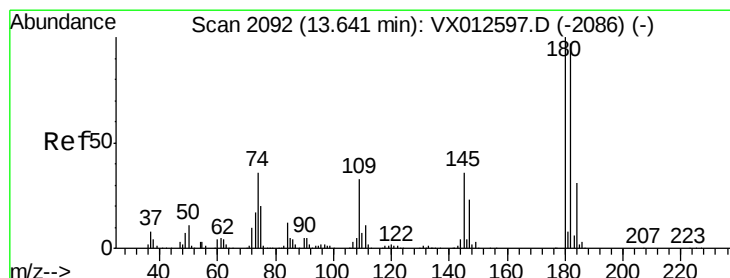
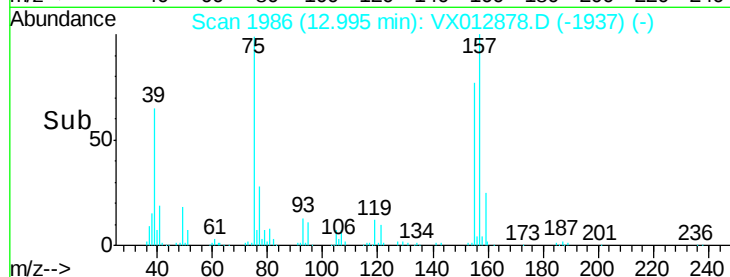
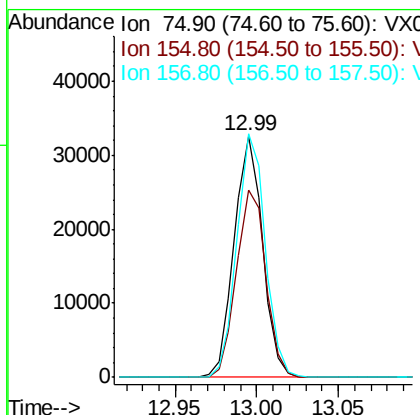
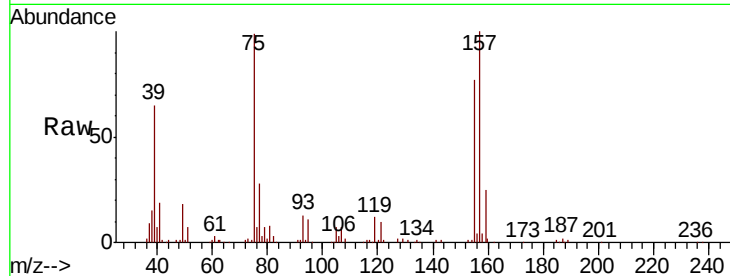
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.873 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	80.6	38.6	115.8
157	101.2	50.6	151.9

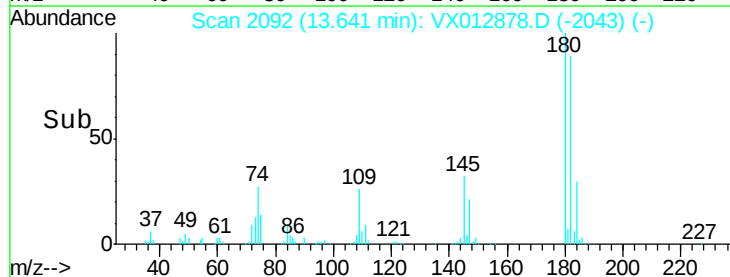
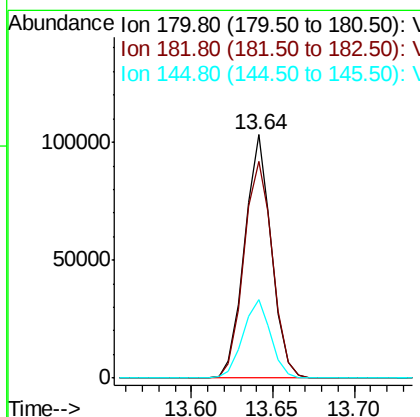
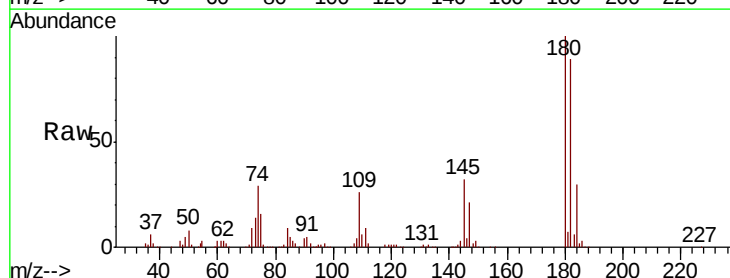
Manual Integrations
 APPROVED

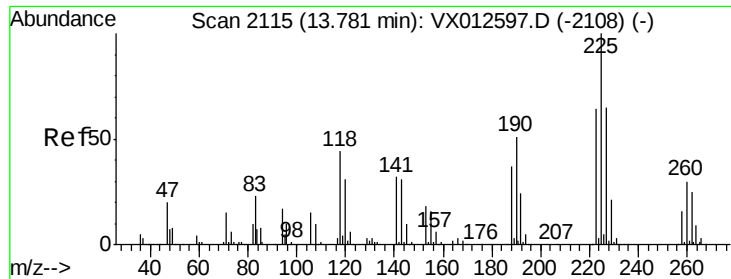
MMDadoda
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#93
 1,2,4-Trichlorobenzene
 Concen: 50.908 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.0	141.0
145	33.2	16.8	50.4





#94

Hexachlorobutadiene

Concen: 49.586 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.01 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Instrument :

MSVOA_X

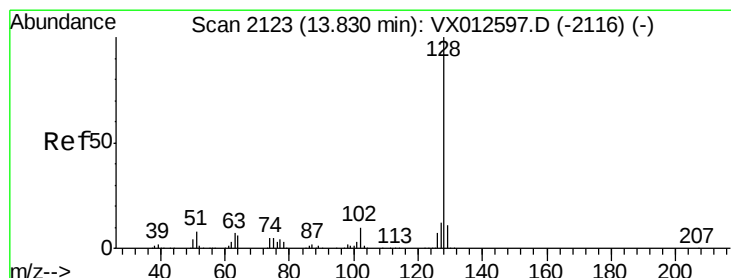
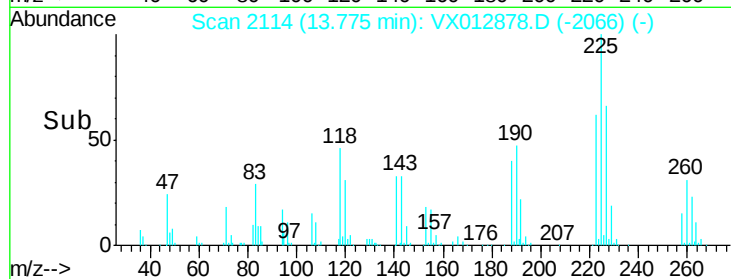
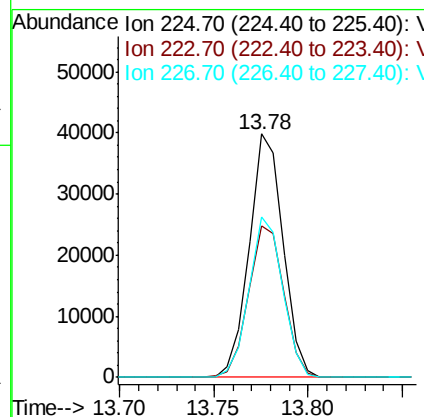
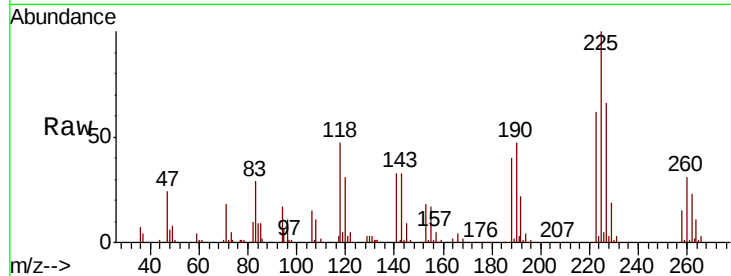
ClientSampleId :

FA19-MMW3414MSD

Tot Ion:	225	Resp:	49654
Ion Ratio	Lower	Upper	
225	100		
223	64.6	32.0	96.2
227	65.8	31.9	95.5

Manual Integrations
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10/8/2019 2:07:30 PM



#95

Naphthalene

Concen: 50.393 ug/l

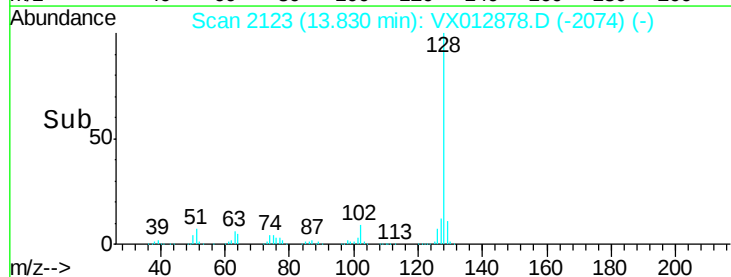
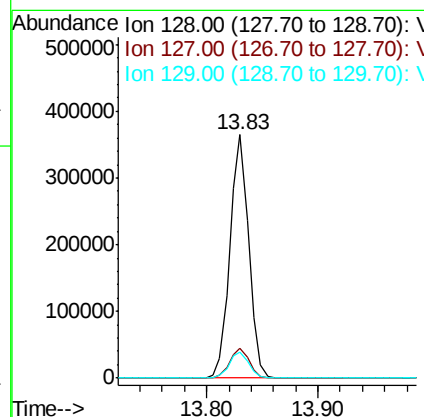
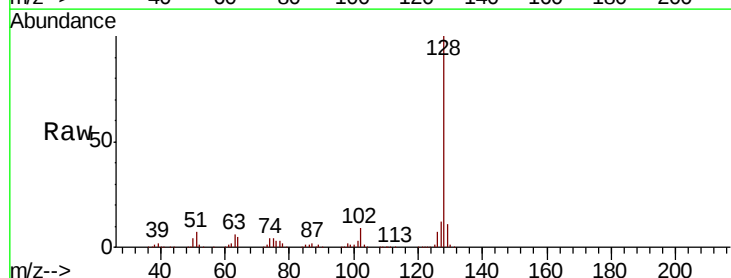
RT: 13.83 min Scan# 2123

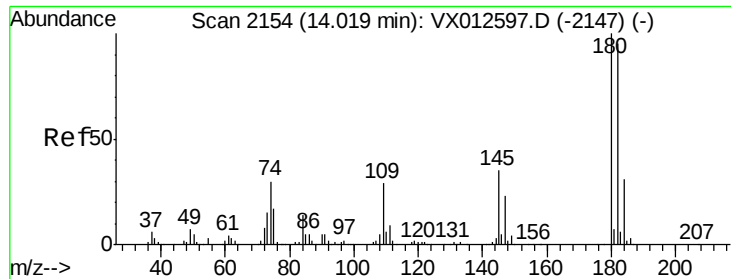
Delta R.T. 0.00 min

Lab File: VX012878.D

Acq: 08 Oct 2019 07:56

Tgt Ion:	128	Resp:	424388
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	11.0	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 51.915 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX012878.D
 Acq: 08 Oct 2019 07:56

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MSD

Tot Ion:	180	Resp:	121051
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.1	141.3
145	35.0	18.0	54.0

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 2:07:30 PM

