

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX013007.D
 Acq On : 10 Oct 2019 19:36
 Operator : JC/SP
 Sample : K5290-08MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1964MSD

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 1:06:00 PM

Quant Time: Oct 11 08:16:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	160775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	278477	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	113768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	96742	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
35) Dibromofluoromethane	5.48	113	77462	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
50) Toluene-d8	8.71	98	291842	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
62) 4-Bromofluorobenzene	11.14	95	111834	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	83633	51.033	ug/l	96
3) Chloromethane	1.31	50	88561	49.655	ug/l	99
4) Vinyl Chloride	1.40	62	92968	50.502	ug/l	98
5) Bromomethane	1.62	94	38410	50.194	ug/l	96
6) Chloroethane	1.71	64	56799	50.508	ug/l	98
7) Trichlorofluoromethane	1.92	101	131385	52.878	ug/l	97
8) Diethyl Ether	2.18	74	50719	50.572	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	82729	51.447	ug/l	99
10) Methyl Iodide	2.50	142	96198	52.520	ug/l	99
11) Tert butyl alcohol	3.03	59	128575	241.367	ug/l	100
12) 1,1-Dichloroethene	2.36	96	83509	51.399	ug/l	96
13) Acrolein	2.28	56	93366	246.632	ug/l	99
14) Allyl chloride	2.72	41	149503	51.671	ug/l	99
15) Acrylonitrile	3.13	53	268863	266.334	ug/l	99
16) Acetone	2.43	43	231612	218.668	ug/l	99
17) Carbon Disulfide	2.56	76	222324	47.990	ug/l	100
18) Methyl Acetate	2.76	43	126948	50.565	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	301171	53.678	ug/l	98
20) Methylene Chloride	2.84	84	96658	49.655	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	91801	52.717	ug/l	98
22) Diisopropyl ether	3.84	45	297365	53.635	ug/l	93
23) Vinyl Acetate	3.80	43	1306637	273.000	ug/l	100
24) 1,1-Dichloroethane	3.69	63	166866	53.499	ug/l	99
25) 2-Butanone	4.66	43	370305	251.996	ug/l	98
26) 2,2-Dichloropropane	4.57	77	118016	44.995	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	105053	52.336	ug/l	98
28) Bromochloromethane	5.00	49	51517	55.315	ug/l	100
29) Tetrahydrofuran	5.12	42	239401	264.744	ug/l	99
30) Chloroform	5.20	83	168456	52.635	ug/l	99
31) Cyclohexane	5.57	56	147319	50.511	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	146756	54.119	ug/l	99
36) 1,1-Dichloropropene	5.79	75	122713	50.120	ug/l	98
37) Ethyl Acetate	4.82	43	143159	52.290	ug/l	99
38) Carbon Tetrachloride	5.78	117	126445	53.059	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	150953	50.839	ug/l	99
40) Benzene	6.14	78	380328	52.594	ug/l	97
41) Methacrylonitrile	5.03	41	77251	51.351	ug/l	100
42) 1,2-Dichloroethane	6.19	62	137513	52.995	ug/l	99
43) Isopropyl Acetate	6.44	43	230048	52.353	ug/l	100
44) Trichloroethene	7.21	130	102176	50.954	ug/l	97
45) 1,2-Dichloropropane	7.51	63	97099	52.684	ug/l	99
46) Dibromomethane	7.65	93	65311	53.188	ug/l	100
47) Bromodichloromethane	7.89	83	129685	54.118	ug/l	98
48) Methyl methacrylate	7.76	41	114063	53.267	ug/l	99
49) 1,4-Dioxane	7.73	88	56906	990.628	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	727739	265.629	ug/l	100
52) Toluene	8.78	92	242483	52.414	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	139588	46.821	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	152814	51.849	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	98551	53.829	ug/l	99
56) Ethyl methacrylate	9.17	69	158959	48.542	ug/l	99
57) 1,3-Dichloropropane	9.37	76	165893	52.382	ug/l	100
59) 2-Hexanone	9.48	43	562879	263.932	ug/l	100
60) Dibromochloromethane	9.58	129	99634	48.943	ug/l	98
61) 1,2-Dibromoethane	9.67	107	102830	53.392	ug/l	98
64) Tetrachloroethene	9.33	164	128993	74.446	ug/l	96
65) Chlorobenzene	10.14	112	252372	50.872	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	94672	55.040	ug/l	100
67) Ethyl Benzene	10.25	91	463729	52.625	ug/l	97
68) m/p-Xylenes	10.36	106	346281	105.188	ug/l	99
69) o-Xylene	10.70	106	169231	52.715	ug/l	98
70) Stvrene	10.71	104	293634	53.803	ug/l	99
71) Bromoform	10.85	173	67457	46.284	ug/l #	100
73) Isopropylbenzene	11.01	105	444520	53.144	ug/l	100
74) N-amyl acetate	10.89	43	198812	55.189	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	149788	53.841	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	121356m	48.093	ug/l	
77) Bromobenzene	11.25	156	103577	52.549	ug/l	96
78) n-propylbenzene	11.35	91	485125	52.708	ug/l	100
79) 2-Chlorotoluene	11.42	91	294861	50.975	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	375064	53.701	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	45120	46.309	ug/l	99
82) 4-Chlorotoluene	11.51	91	347058	52.346	ug/l	99
83) tert-Butylbenzene	11.77	119	356828	52.374	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	382716	54.105	ug/l	98
85) sec-Butylbenzene	11.94	105	415253	52.608	ug/l	99
86) p-Isopropyltoluene	12.06	119	382802	52.291	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	188831	51.589	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	189222	51.044	ug/l	99
89) n-Butylbenzene	12.39	91	320300	52.059	ug/l	99
90) Hexachloroethane	12.59	117	66171	48.854	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	187036	52.123	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	37057	56.831	ug/l	95
93) 1,2,4-Trichlorobenzene	13.64	180	113986	50.709	ug/l	99

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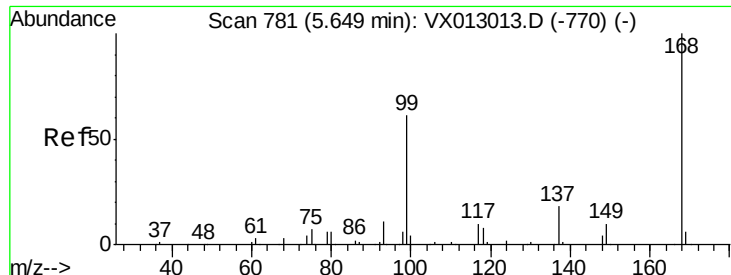
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	50026	48.223	ug/l	98
95) Naphthalene	13.83	128	400688	51.422	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	115786	49.845	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW1964MSD

Tot Ion:168 Resp: 160775

Ion Ratio Lower Upper

168 100

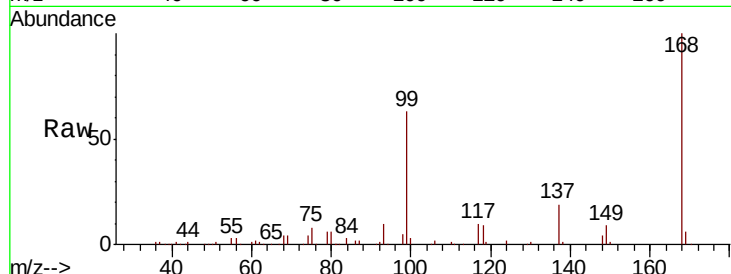
99 62.8 49.4 74.0

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

5.65

60000

40000

20000

0

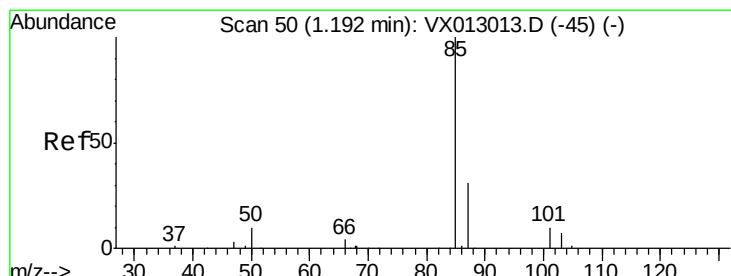
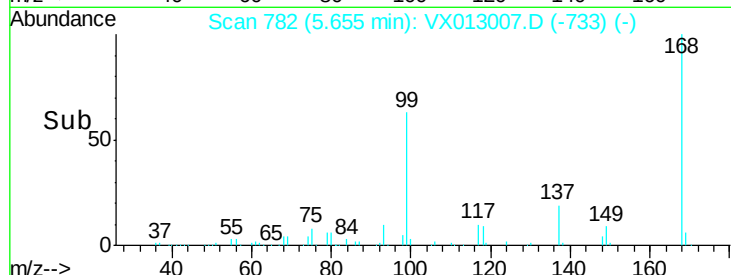
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 51.033 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX013007.D

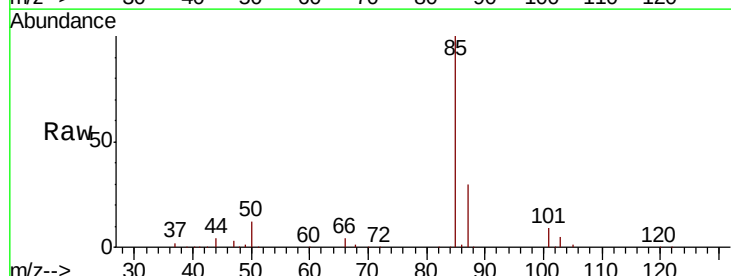
Acq: 10 Oct 2019 19:36

Tgt Ion: 85 Resp: 83633

Ion Ratio Lower Upper

85 100

87 30.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

60000

40000

20000

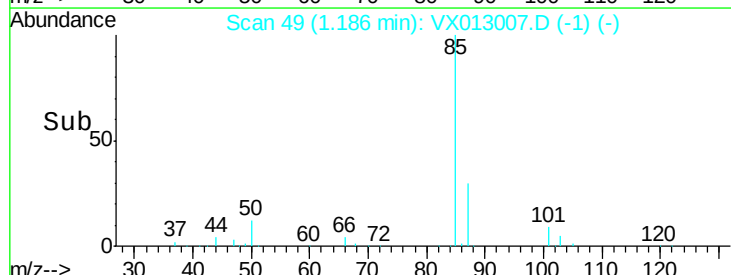
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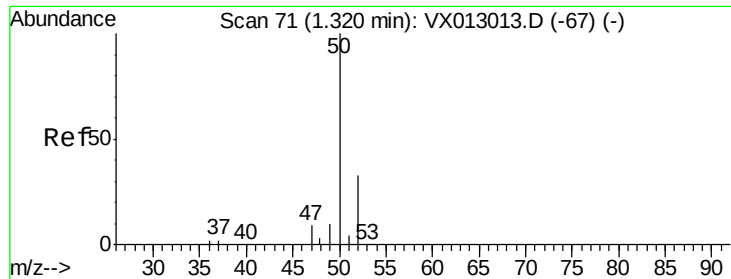
Time-->

1.15

1.20

1.25





#3

Chloromethane

Concen: 49.655 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW1964MSD

Tot Ion: 50 Resp: 88561

Ion Ratio Lower Upper

50 100

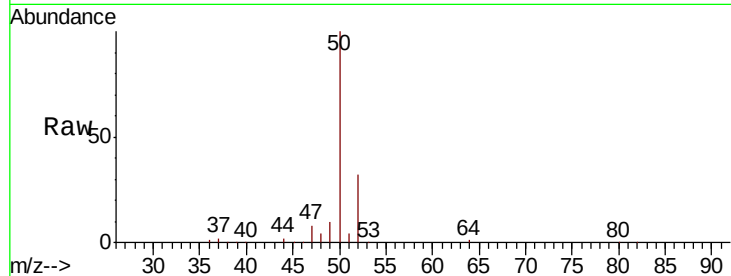
52 32.3 25.2 37.8

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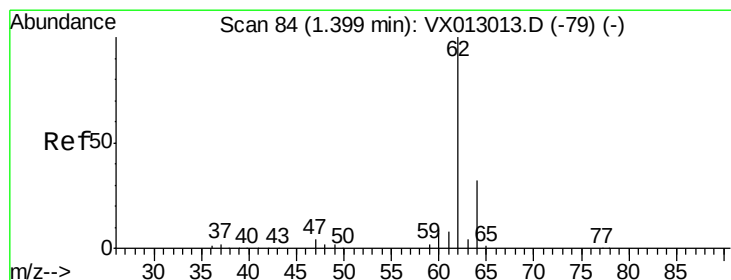
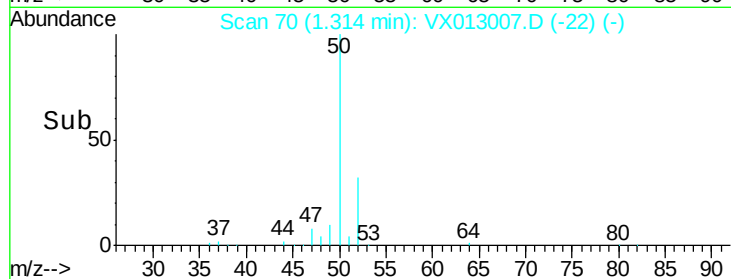
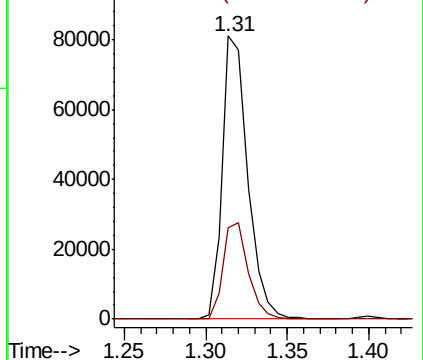
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 50.502 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013007.D

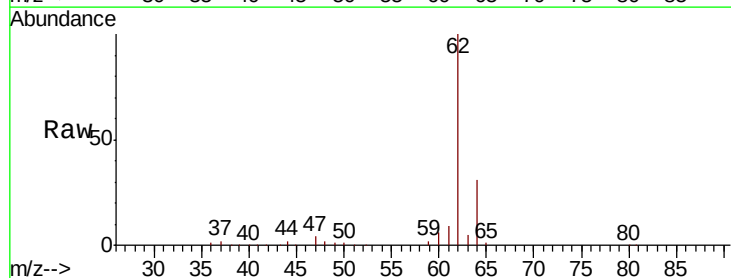
Acq: 10 Oct 2019 19:36

Tgt Ion: 62 Resp: 92968

Ion Ratio Lower Upper

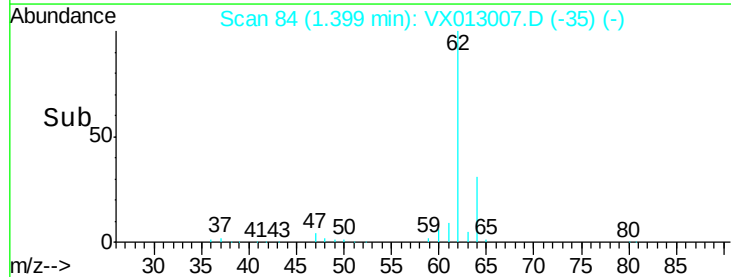
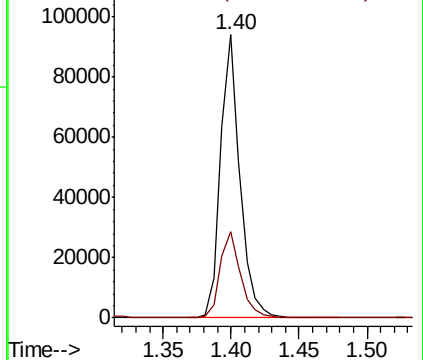
62 100

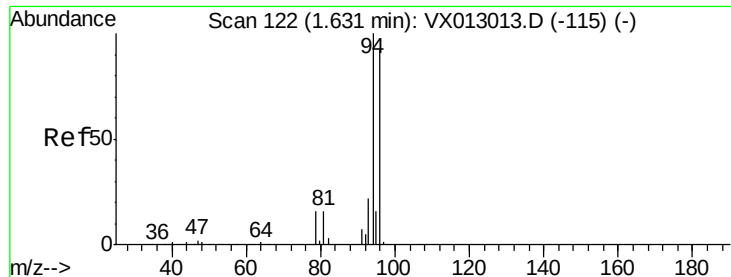
64 30.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 50.194 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX013007.D

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Tot Ion: 94 Resp: 38410

Ion Ratio Lower Upper

94 100

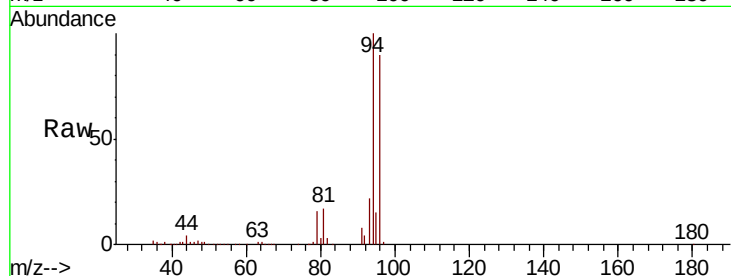
96 89.6 74.7 112.1

Manual Integrations

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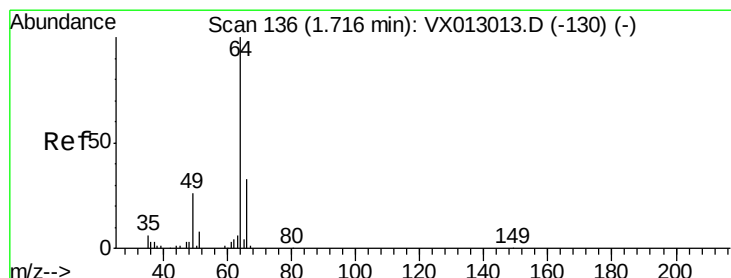
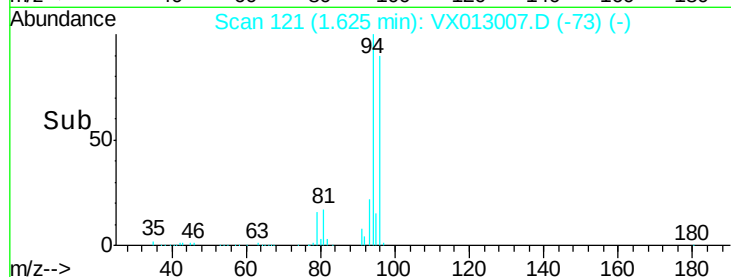
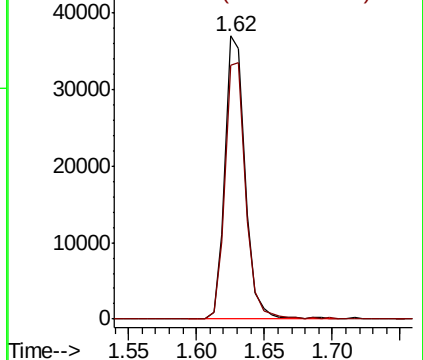
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.508 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013007.D

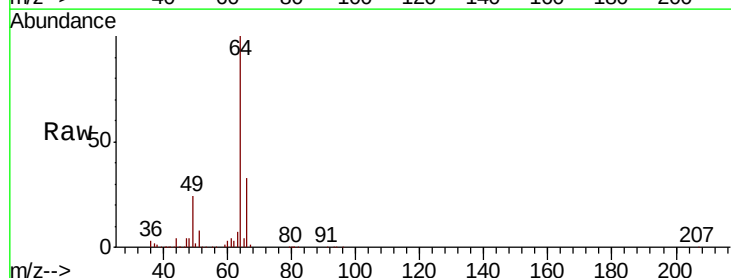
Acq: 10 Oct 2019 19:36

Tgt Ion: 64 Resp: 56799

Ion Ratio Lower Upper

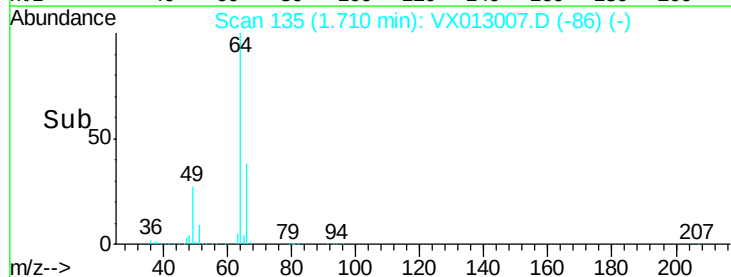
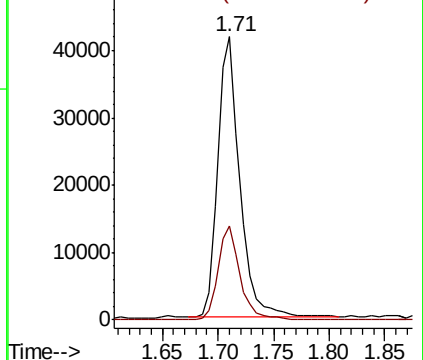
64 100

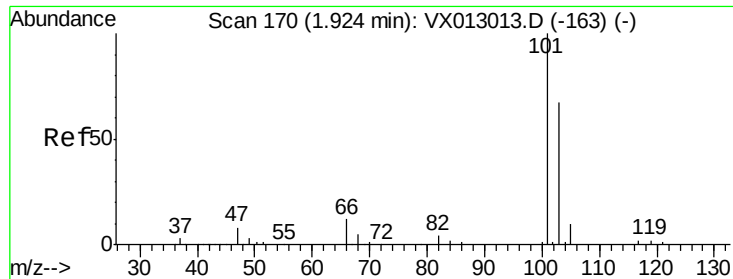
66 33.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

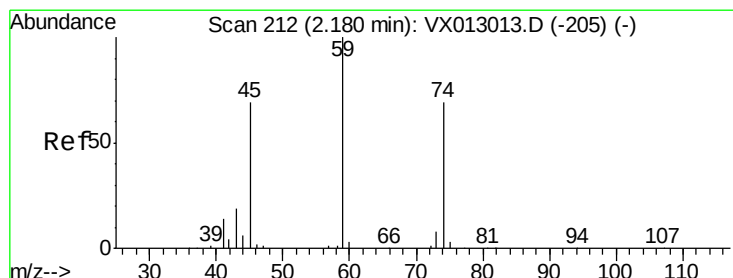
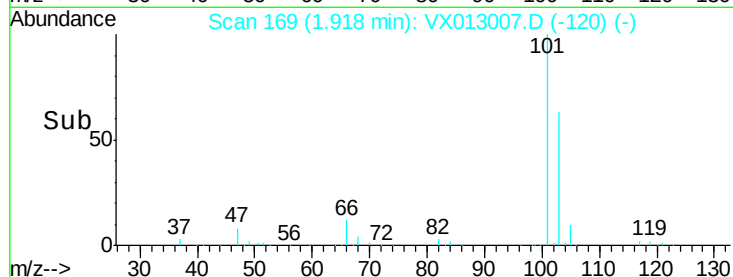
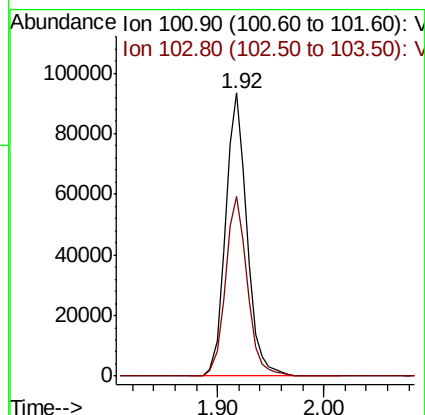
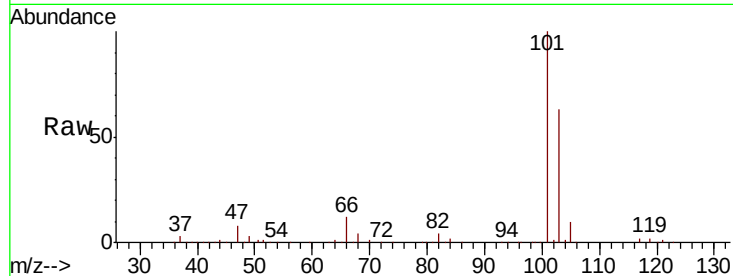
Trichlorofluoromethane
Concen: 52.878 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

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FA19-JMW1964MSD

Tot Ion:101 Resp: 131385
Ion Ratio Lower Upper
101 100
103 63.4 52.5 78.7

Manual Integrations
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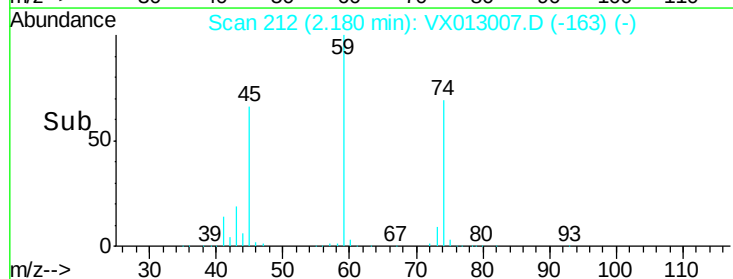
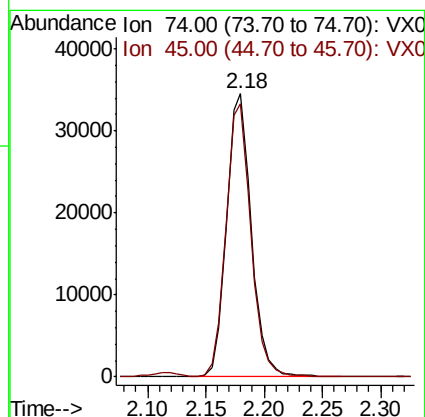
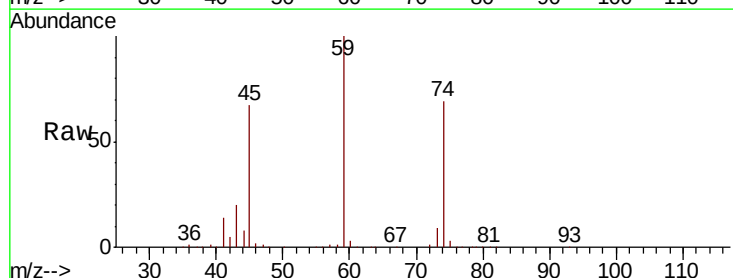
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10/14/2019 1:06:00 PM

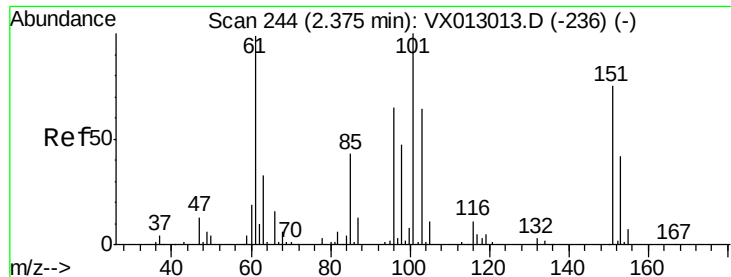


#8

Diethyl Ether
Concen: 50.572 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion: 74 Resp: 50719
Ion Ratio Lower Upper
74 100
45 96.7 47.8 143.4





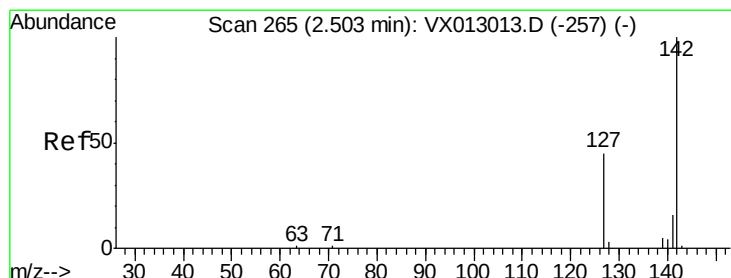
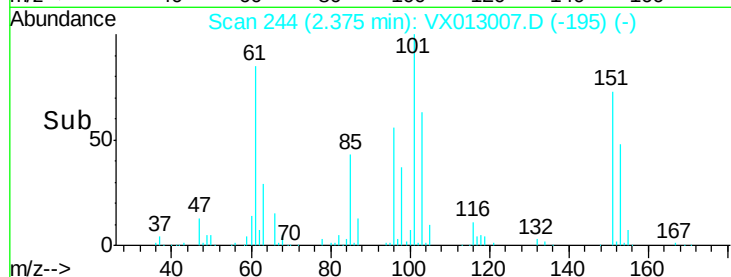
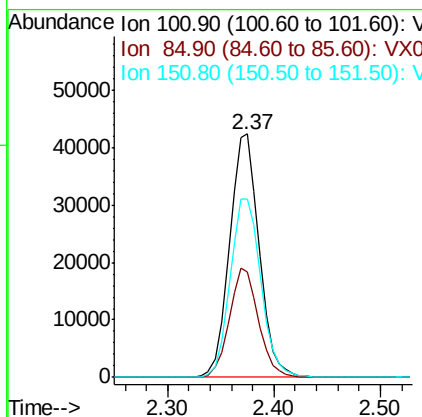
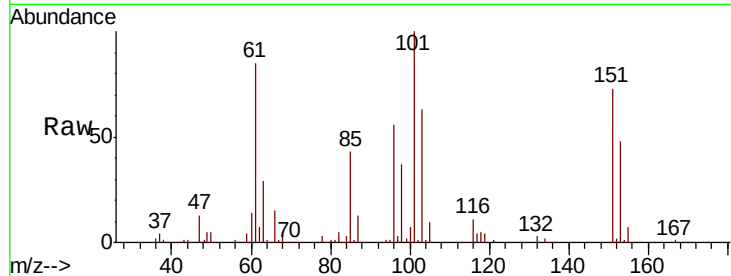
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.447 ug/l
 RT: 2.37 min Scan# 244
 Delta R.T. 0.00 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1964MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	82729		
85	44.2		35.2	52.8
151	76.3		60.3	90.5

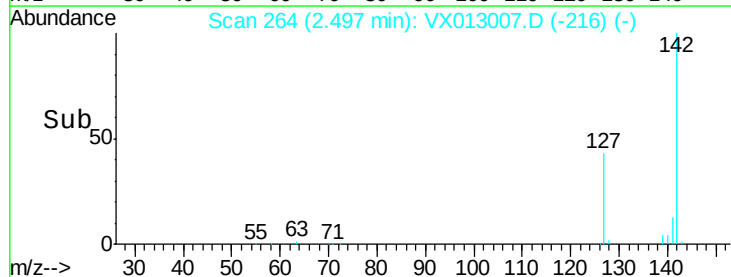
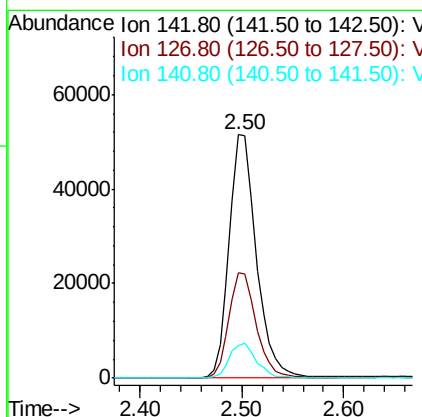
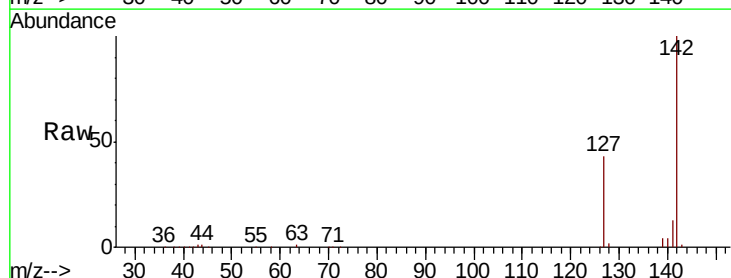
Manual Integrations
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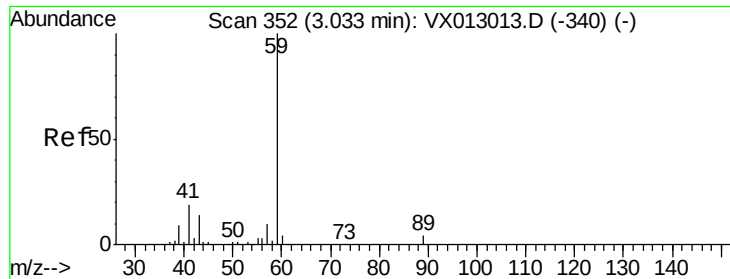
MMDadoda
 10/14/2019 1:06:00 PM



#10
 Methyl Iodide
 Concen: 52.520 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. -0.01 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	96198		
127	43.0		34.9	52.3
141	14.3		11.6	17.4





#11

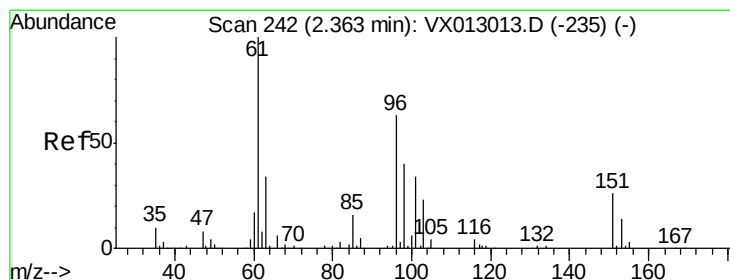
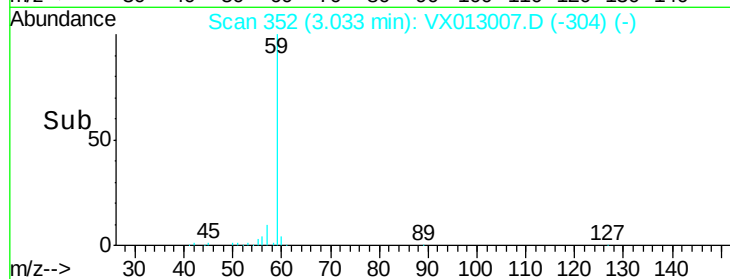
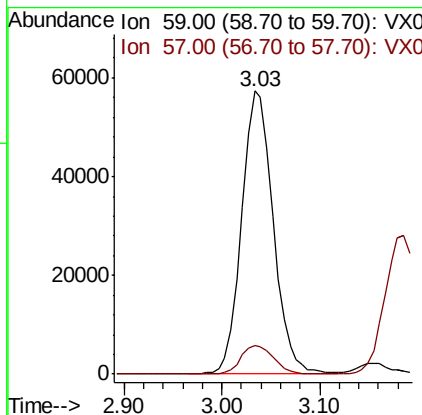
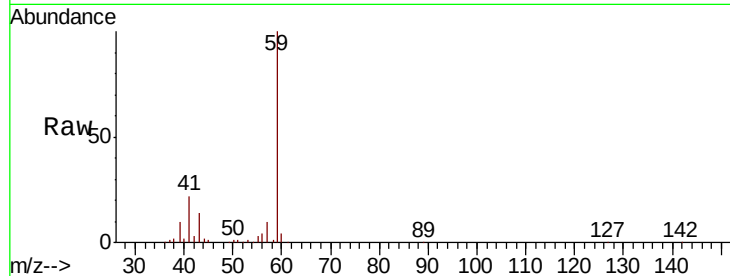
Tert butyl alcohol
Concen: 241.367 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

Manual Integrations
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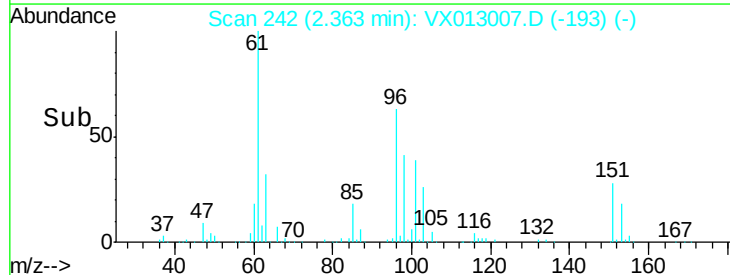
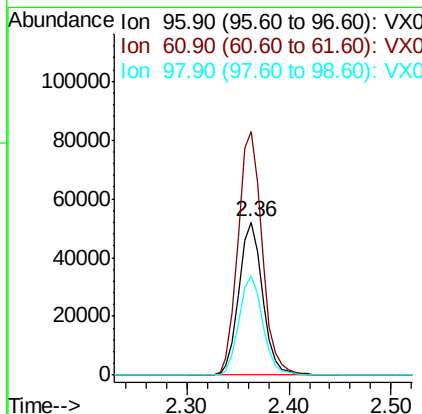
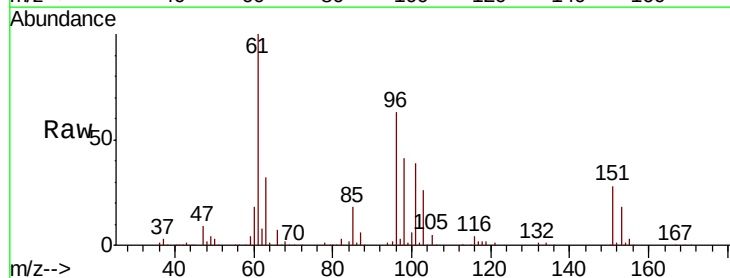
MMDadoda
10/14/2019 1:06:00 PM

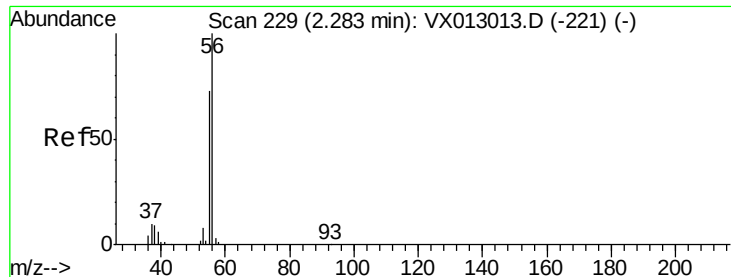


#12

1,1-Dichloroethene
Concen: 51.399 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	132.2	198.4
98	64.8	50.5	75.7





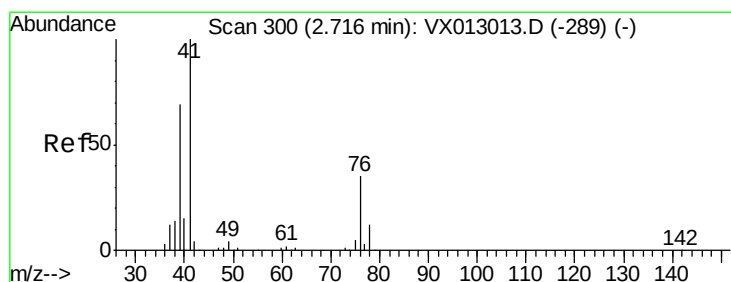
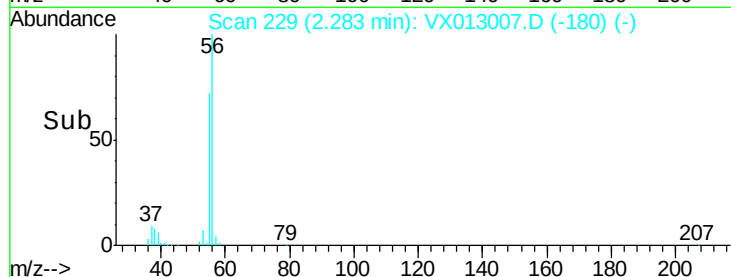
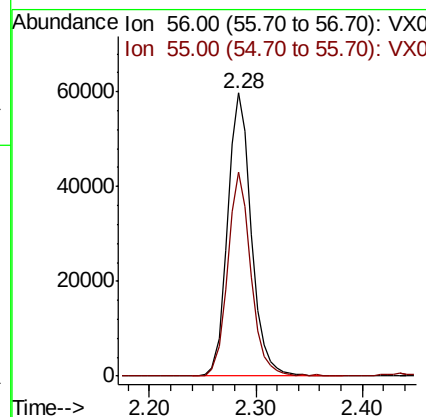
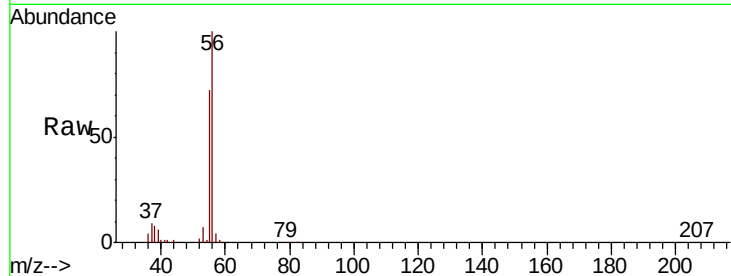
#13
Acrolein
Concen: 246.632 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964MSD

Tot Ion	56	Resp	93366
Ion Ratio	100	Lower	Upper
55	70.4	56.6	85.0

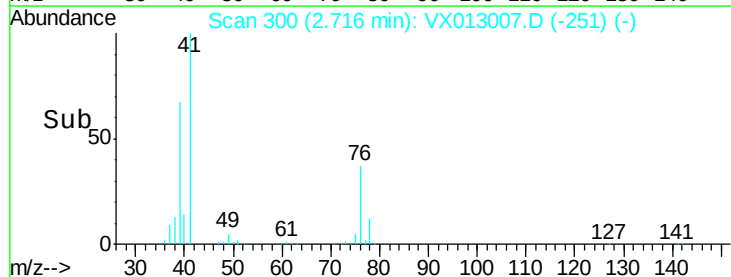
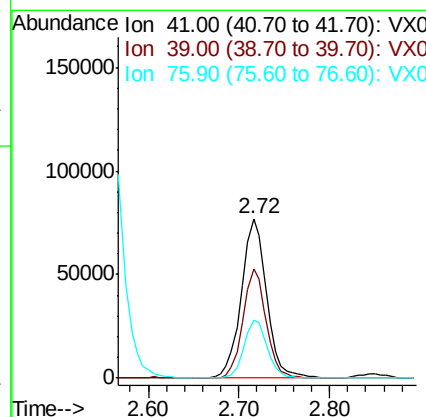
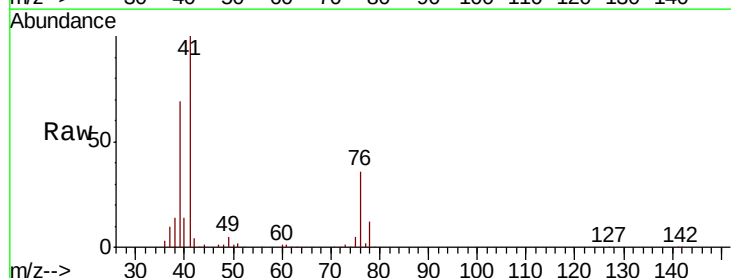
Manual Integrations
APPROVED

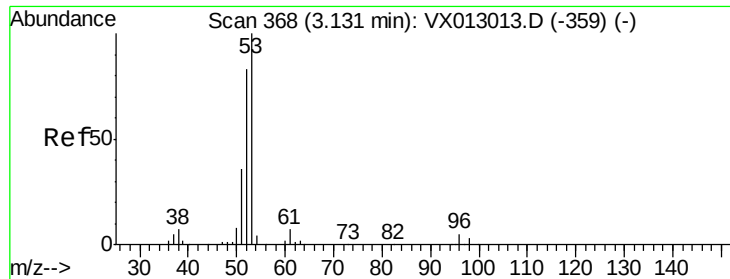
MMDadoda
10/14/2019 1:06:00 PM



#14
Allyl chloride
Concen: 51.671 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion	41	Resp	149503
Ion Ratio	100	Lower	Upper
39	62.9	51.0	76.6
76	33.4	26.2	39.4





#15

Acrylonitrile

Concen: 266.334 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

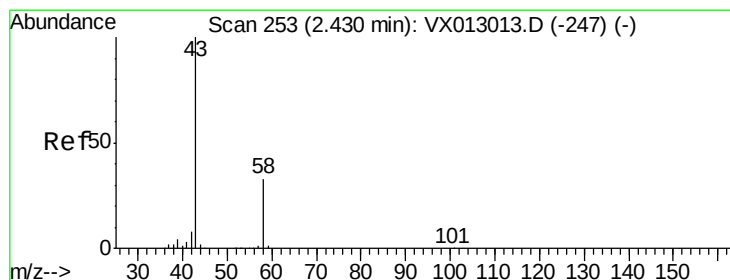
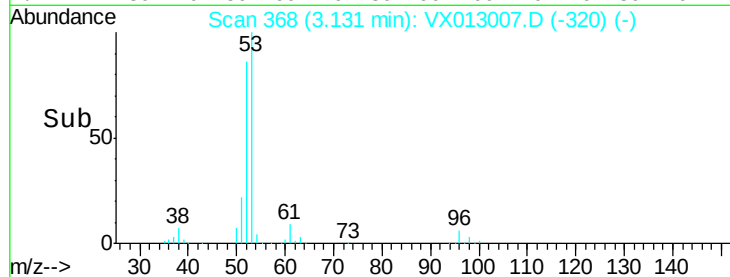
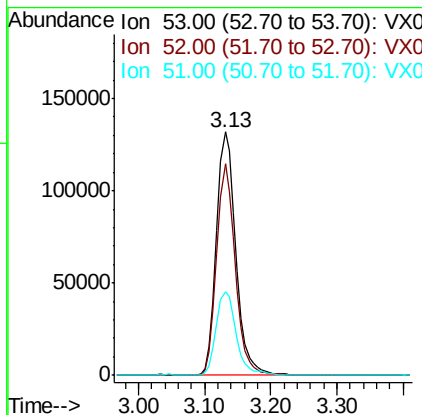
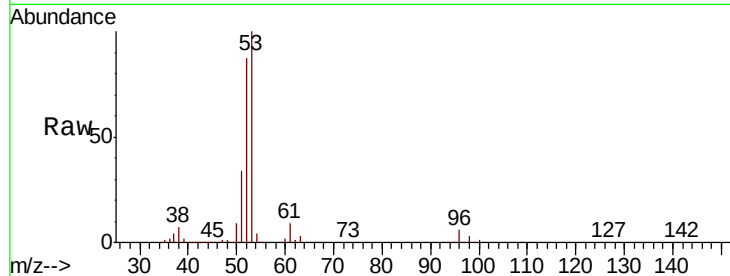
ClientSampleId :

FA19-JMW1964MSD

Tot Ion:	53	Resp:	268863
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.2	99.2
51	35.8	28.2	42.4

Manual Integrations
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10/14/2019 1:06:00 PM



#16

Acetone

Concen: 218.668 ug/l

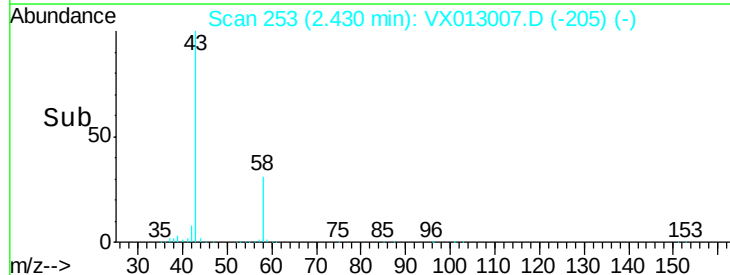
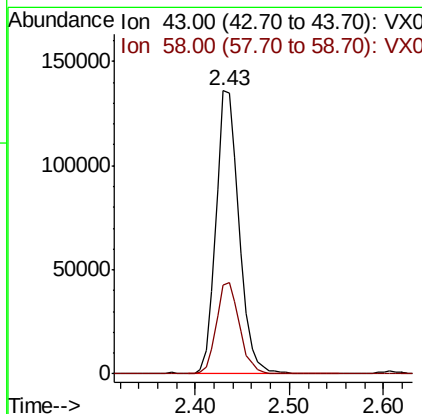
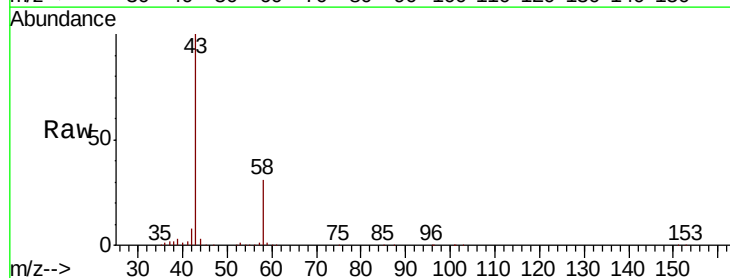
RT: 2.43 min Scan# 253

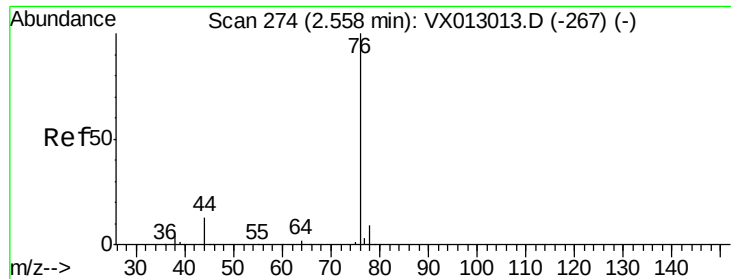
Delta R.T. -0.01 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Tgt Ion:	43	Resp:	231612
Ion Ratio	Lower	Upper	
43	100		
58	31.2	25.4	38.2





#17

Carbon Disulfide

Concen: 47.990 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW1964MSD

Tot Ion: 76 Resp: 222324

Ion Ratio Lower Upper

76 100

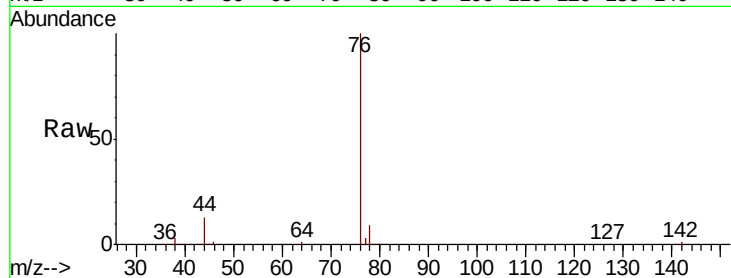
78 8.8 7.1 10.7

Manual Integrations

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10/14/2019 1:06:00 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

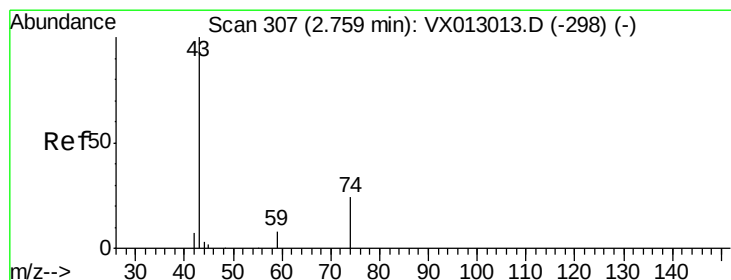
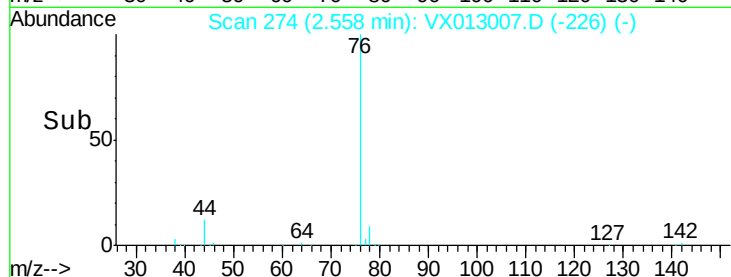
2.56

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.565 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX013007.D

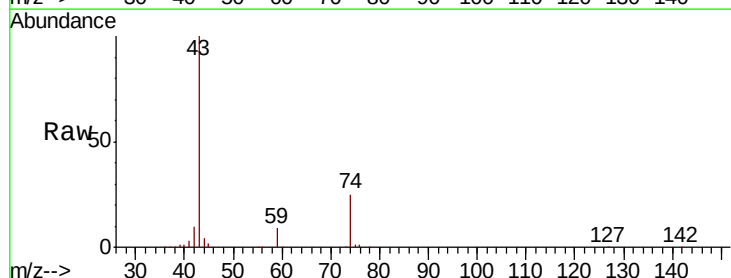
Acq: 10 Oct 2019 19:36

Tgt Ion: 43 Resp: 126948

Ion Ratio Lower Upper

43 100

74 24.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

80000

2.76

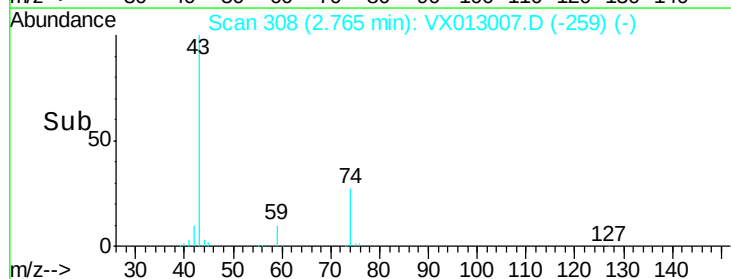
60000

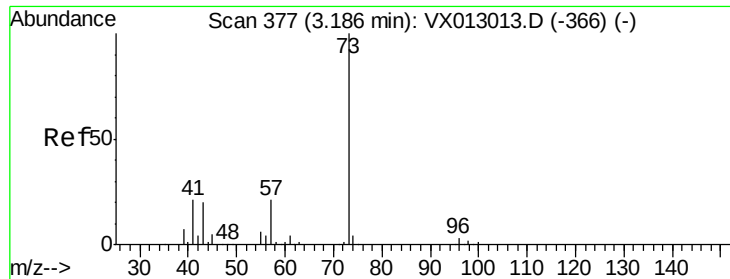
40000

20000

0

Time-->





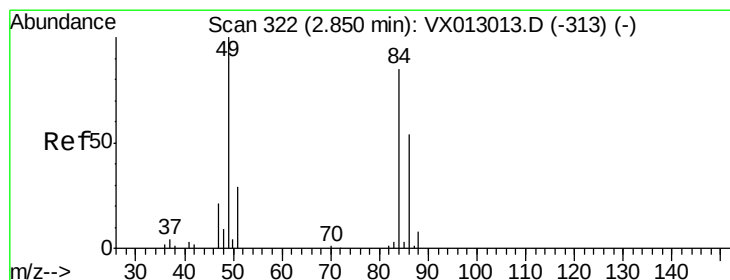
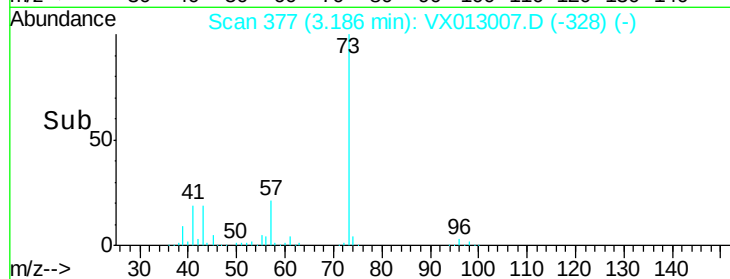
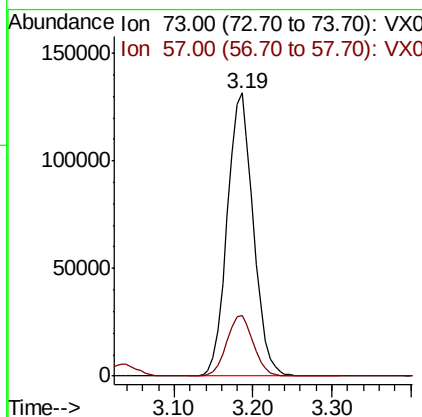
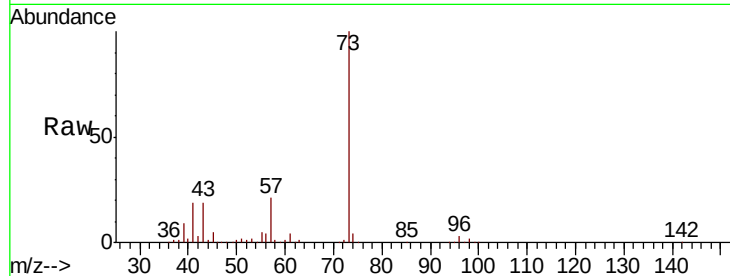
#19
Methvl tert-butvl Ether
Concen: 53.678 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.8	26.6

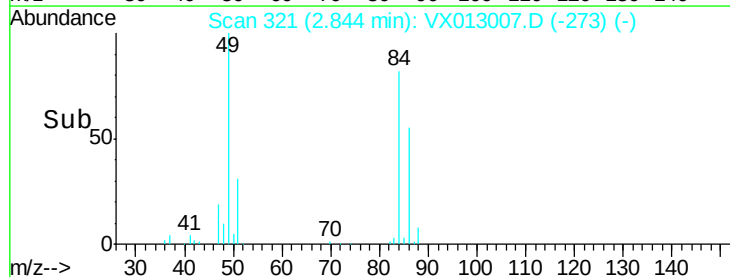
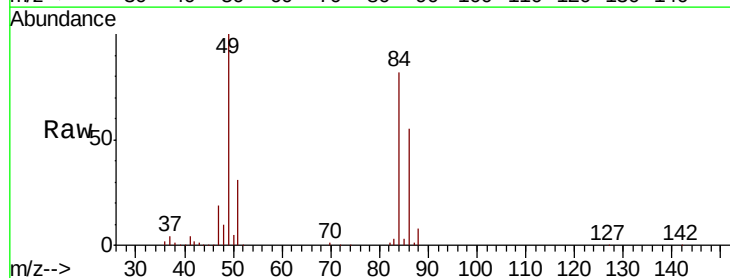
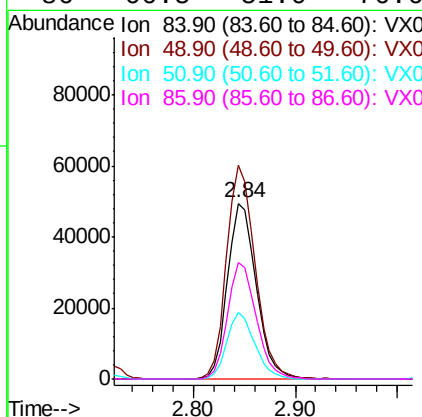
Manual Integrations
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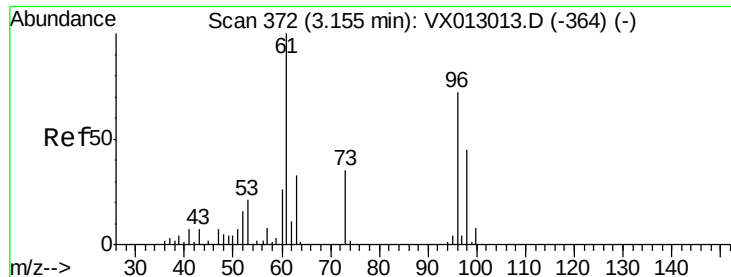
MMDadoda
10/14/2019 1:06:00 PM



#20
Methylene Chloride
Concen: 49.655 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.5	96.6	144.8
51	37.6	30.7	46.1
86	66.5	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 52.717 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

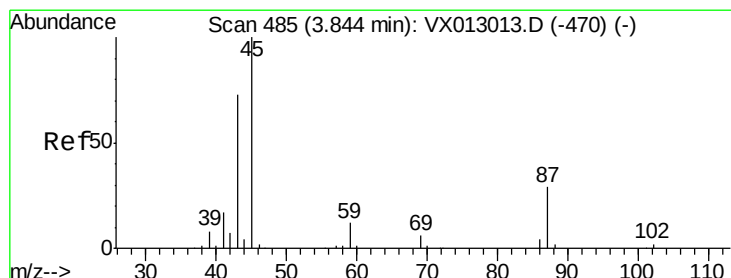
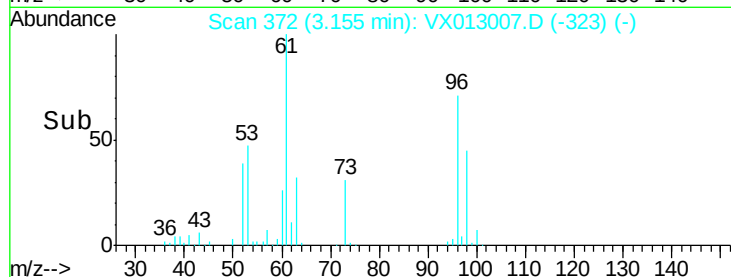
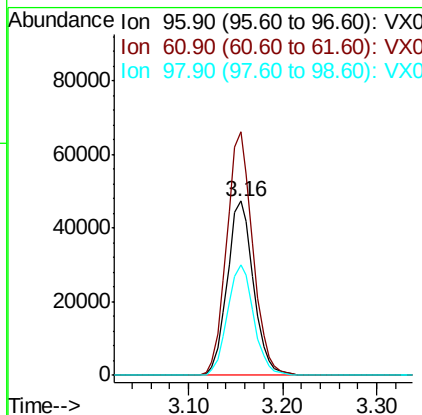
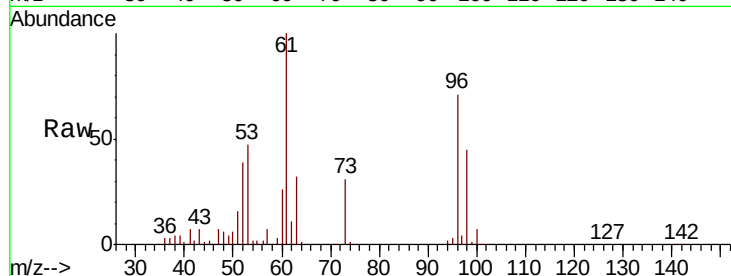
ClientSampleId :

FA19-JMW1964MSD

Tot Ion:	96	Resp:	91801
Ion	Ratio	Lower	Upper
96	100		
61	139.9	110.4	165.6
98	63.4	51.5	77.3

Manual Integrations
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10/14/2019 1:06:00 PM



#22

Diisopropyl ether

Concen: 53.635 ug/l

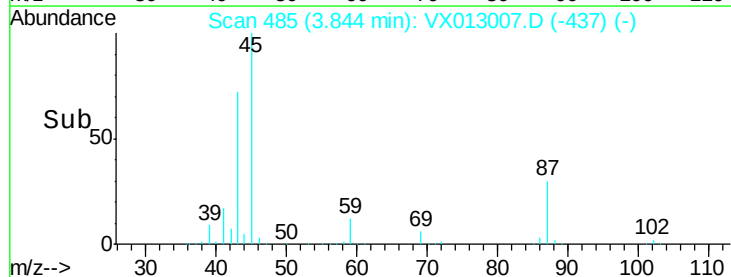
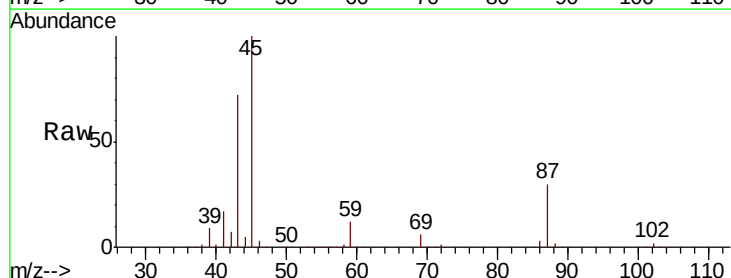
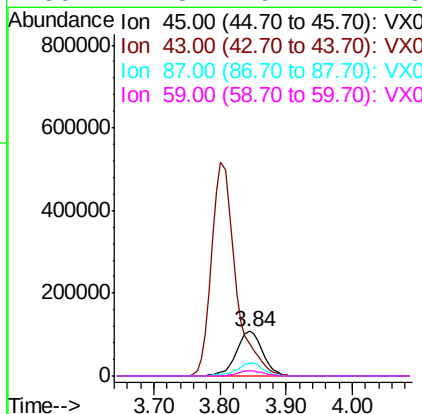
RT: 3.84 min Scan# 485

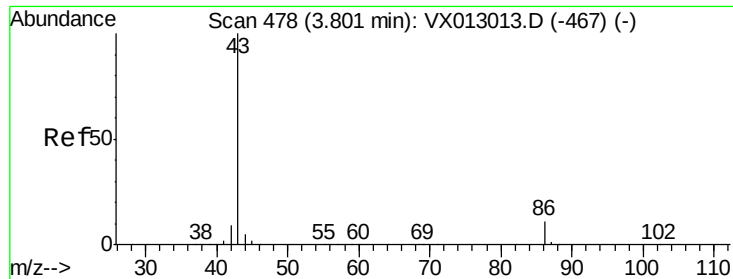
Delta R.T. -0.01 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Tgt Ion:	45	Resp:	297365
Ion	Ratio	Lower	Upper
45	100		
43	71.4	51.4	77.0
87	30.2	22.5	33.7
59	12.3	9.7	14.5





#23

Vinyl Acetate

Concen: 273.000 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW1964MSD

Tot Ion: 43 Resp: 1306637

Ion Ratio Lower Upper

43 100

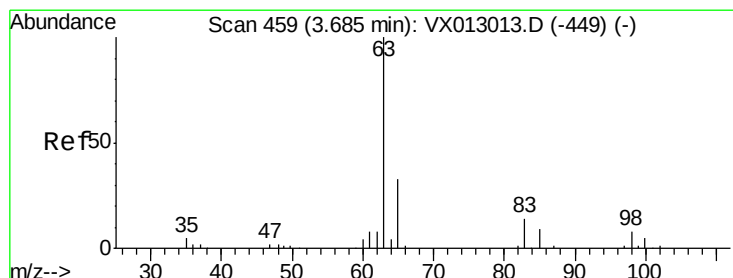
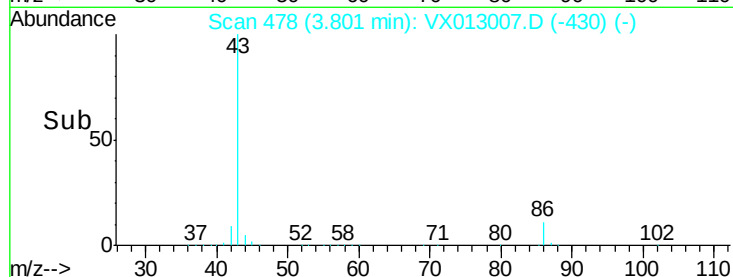
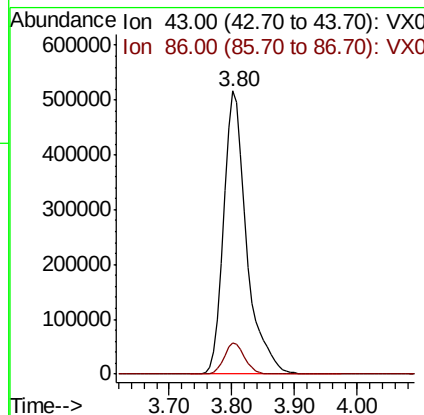
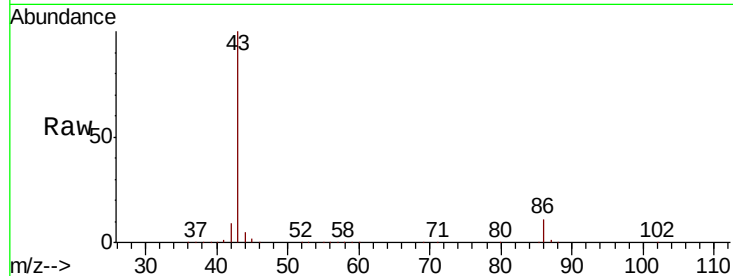
86 11.2 9.0 13.6

Manual Integrations

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MMDadoda

10/14/2019 1:06:00 PM



#24

1,1-Dichloroethane

Concen: 53.499 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

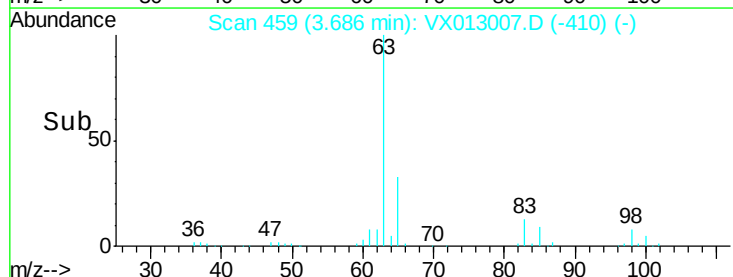
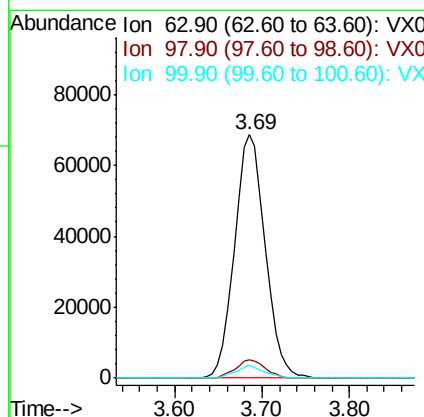
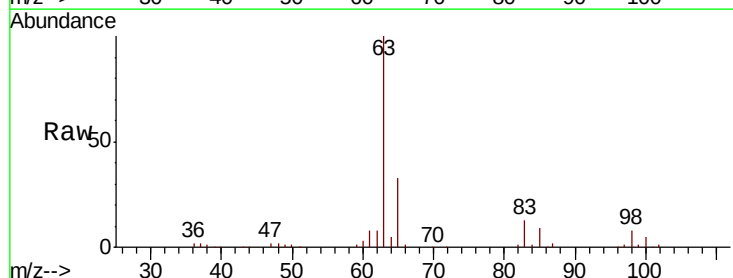
Tgt Ion: 63 Resp: 166866

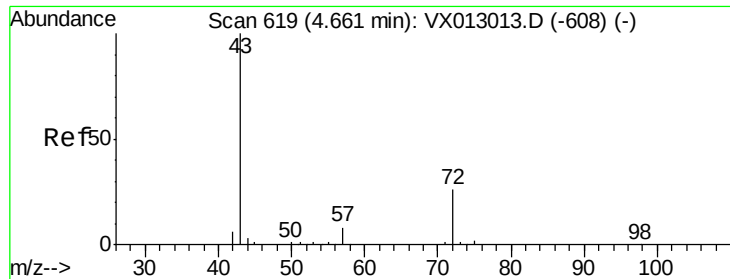
Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

100 5.2 2.3 6.9





#25

2-Butanone

Concen: 251.996 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW1964MSD

Tot Ion: 43 Resp: 370305

Ion Ratio Lower Upper

43 100

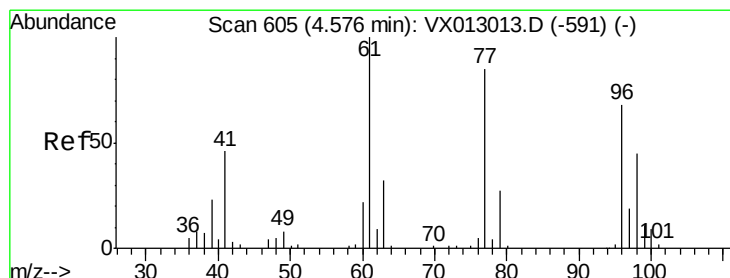
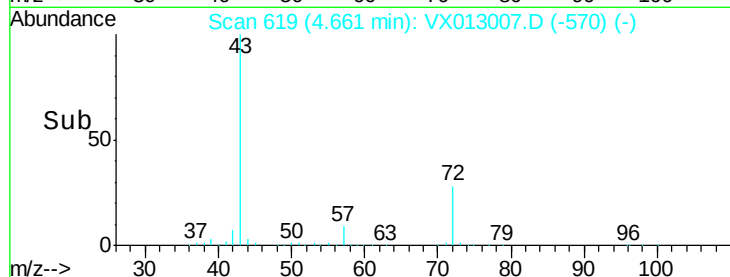
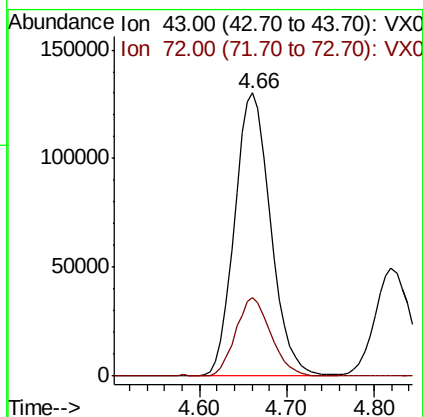
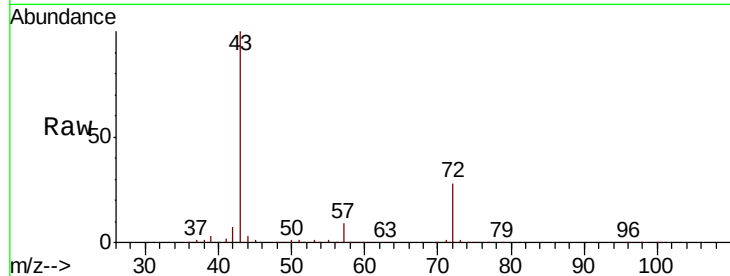
72 27.5 21.0 31.6

Manual Integrations

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MMDadoda

10/14/2019 1:06:00 PM



#26

2,2-Dichloropropane

Concen: 44.995 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013007.D

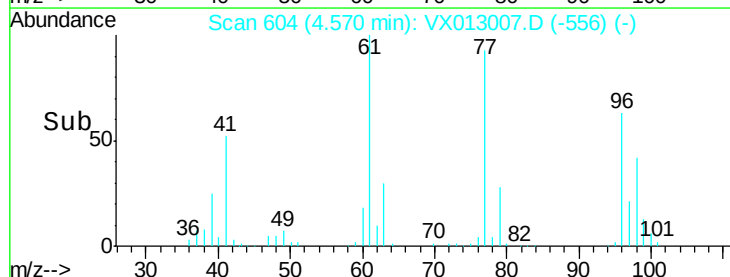
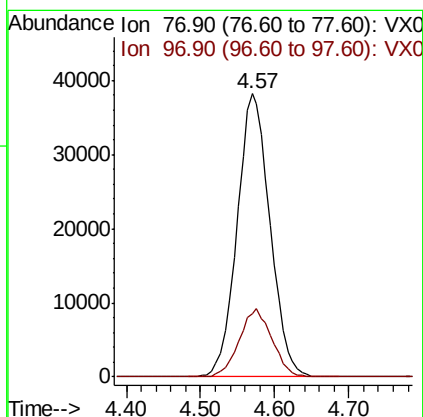
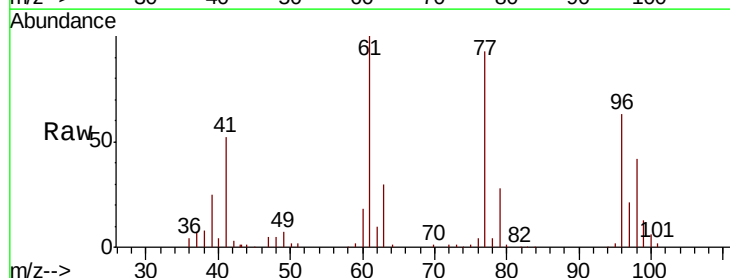
Acq: 10 Oct 2019 19:36

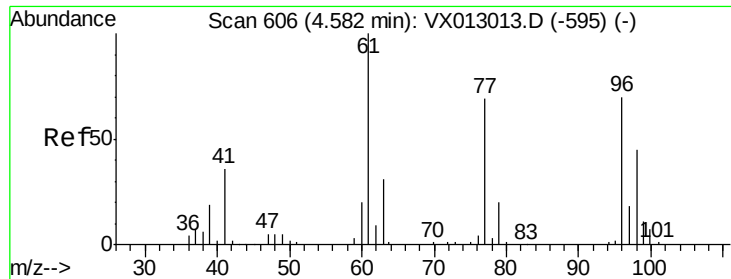
Tgt Ion: 77 Resp: 118016

Ion Ratio Lower Upper

77 100

97 24.1 11.3 33.9





#27

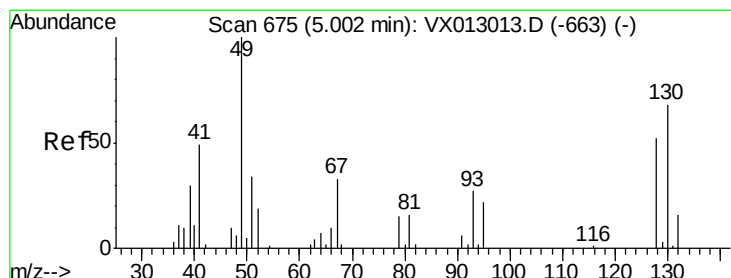
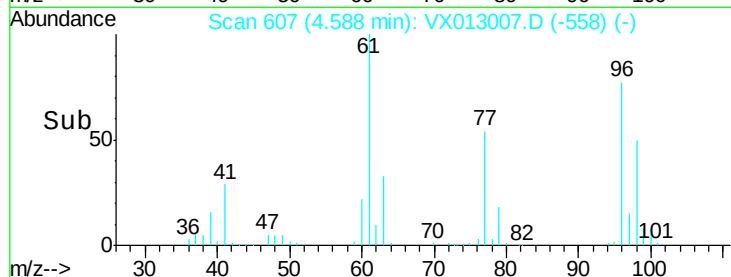
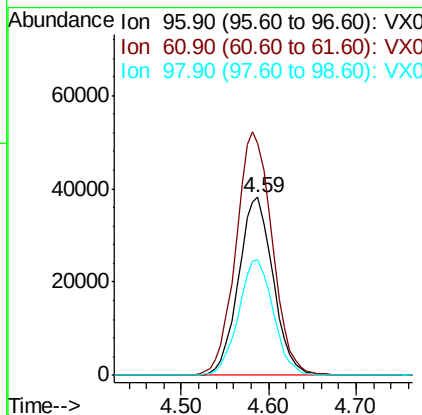
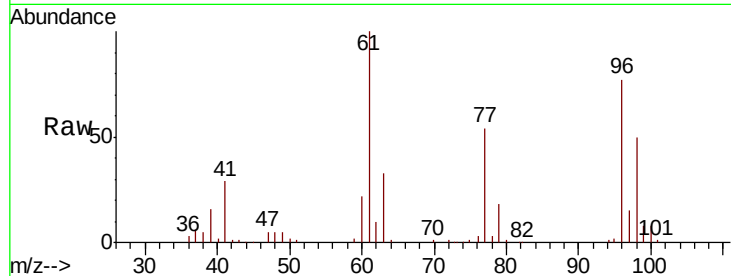
cis-1,2-Dichloroethene
Concen: 52.336 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	105053		
61	143.3	0.0	290.6	
98	65.5	0.0	128.8	

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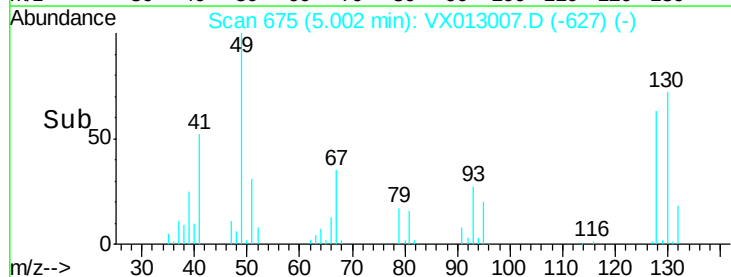
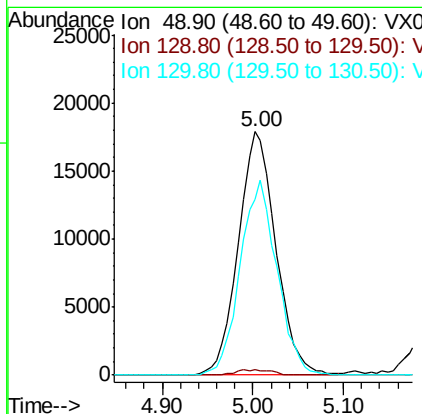
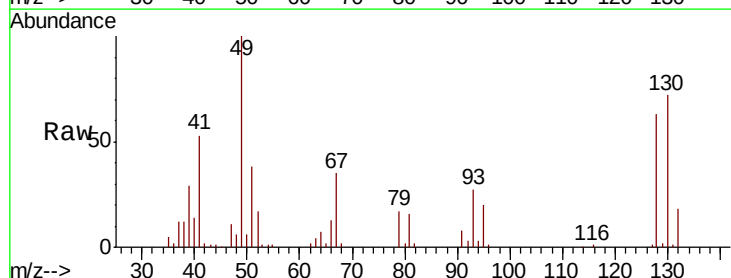
MMDadoda
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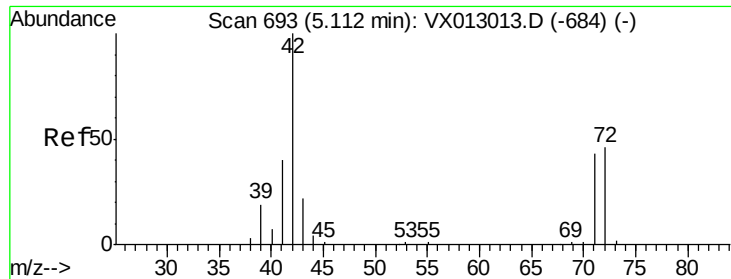


#28

Bromochloromethane
Concen: 55.315 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	51517		
129	2.0	0.0	4.2	
130	77.8	62.1	93.1	





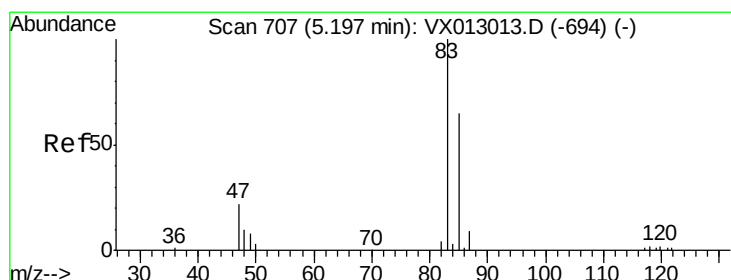
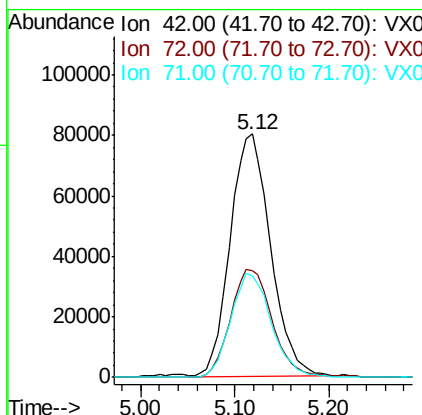
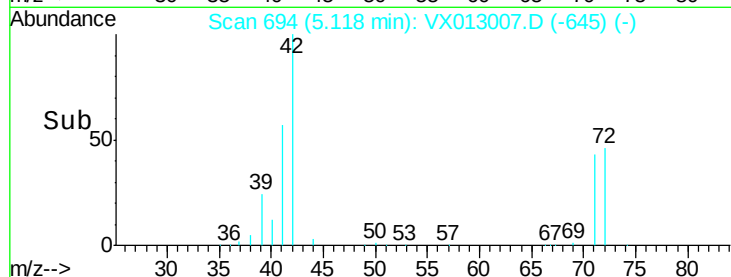
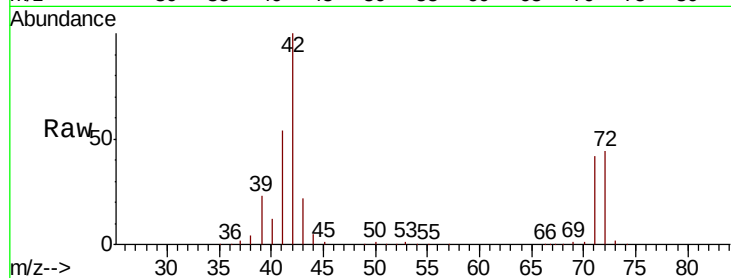
#29
Tetrahydrofuran
Concen: 264.744 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	36.9	55.3
71	43.3	33.5	50.3

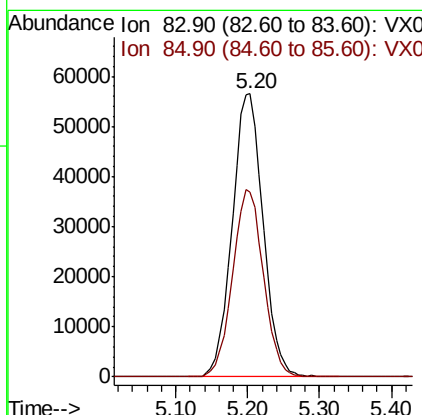
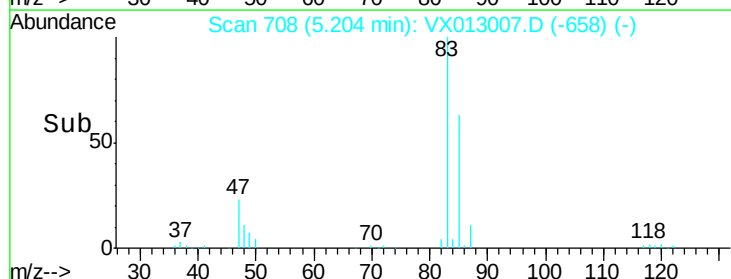
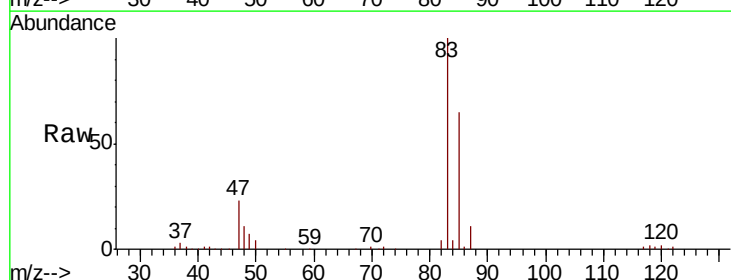
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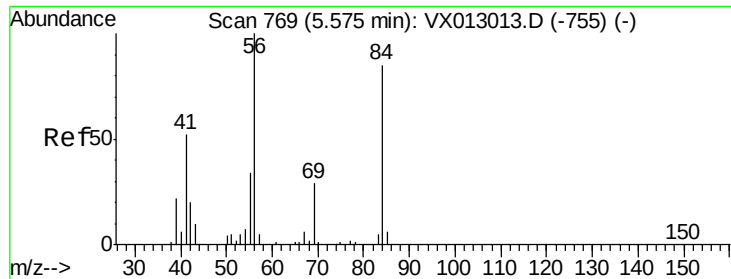
MMDadoda
10/14/2019 1:06:00 PM



#30
Chloroform
Concen: 52.635 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.5	77.3





#31

Cyclohexane

Concen: 50.511 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

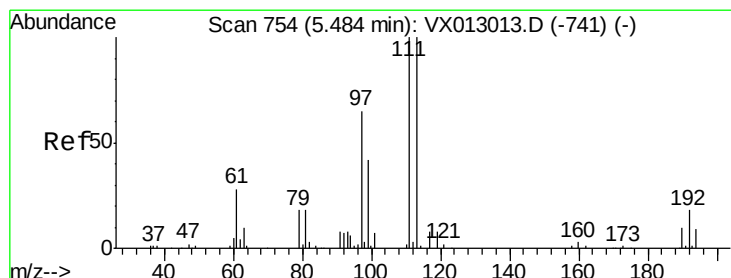
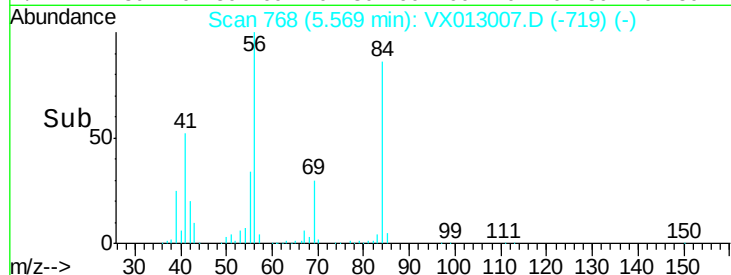
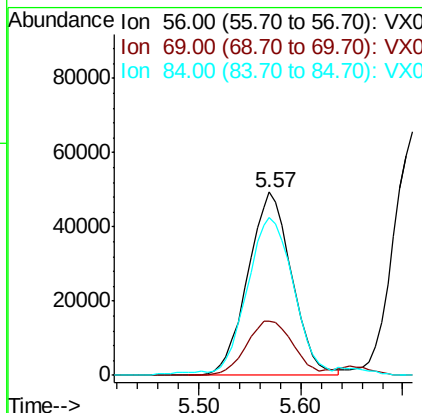
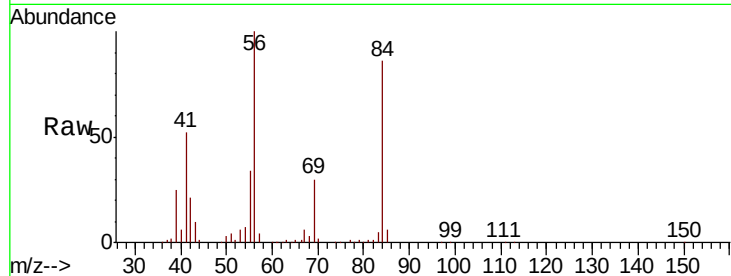
ClientSampleId :

FA19-JMW1964MSD

Tot Ion:	56	Resp:	147319
Ion Ratio	Lower	Upper	
56	100		
69	29.7	25.2	37.8
84	84.4	71.3	106.9

Manual Integrations
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10/14/2019 1:06:00 PM



#32

1,1,1-Trichloroethane

Concen: 54.119 ug/l

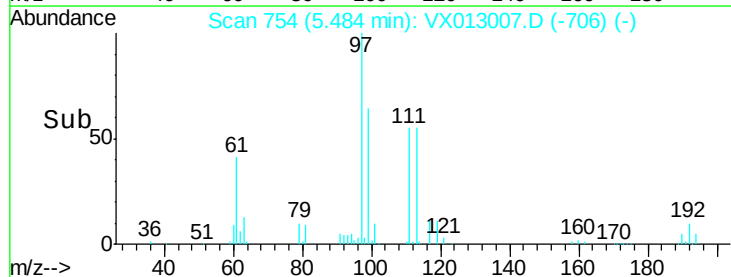
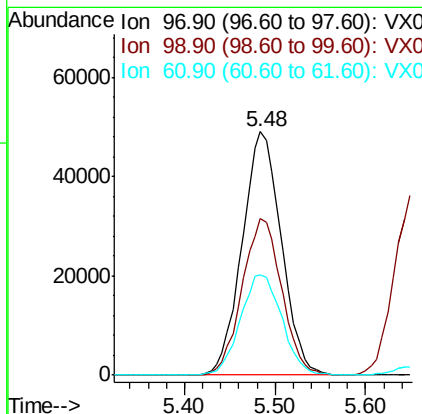
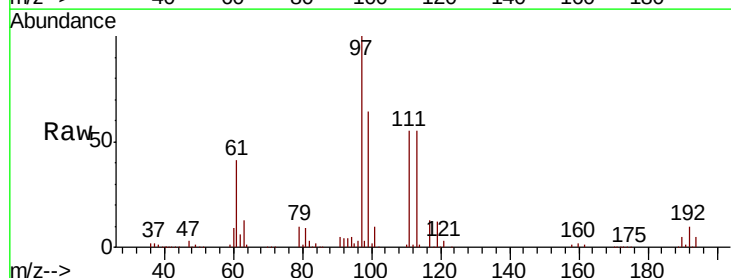
RT: 5.48 min Scan# 754

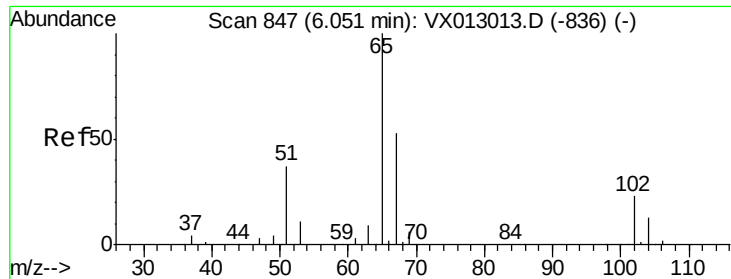
Delta R.T. -0.01 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Tgt Ion:	97	Resp:	146756
Ion Ratio	Lower	Upper	
97	100		
99	64.8	52.3	78.5
61	43.5	35.0	52.4





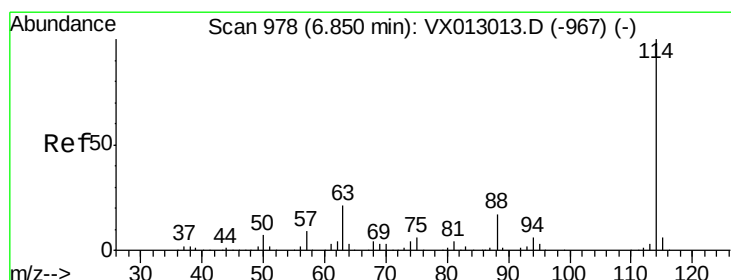
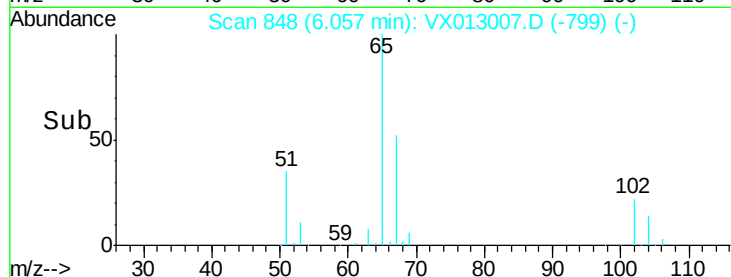
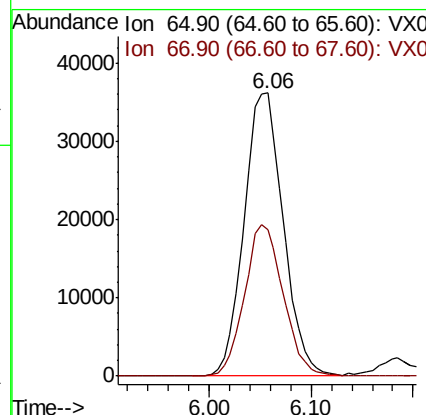
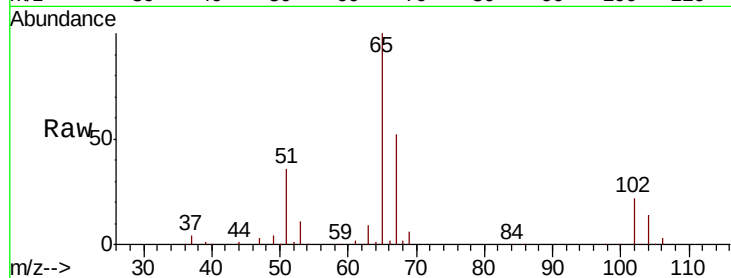
#33
 1,2-Dichloroethane-d4
 Concen: 48.143 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1964MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.4

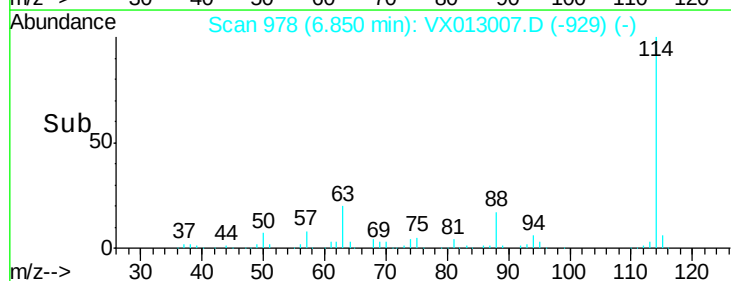
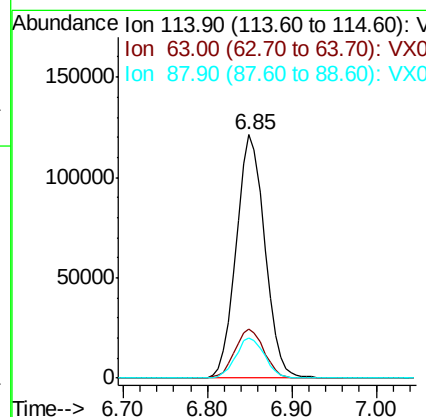
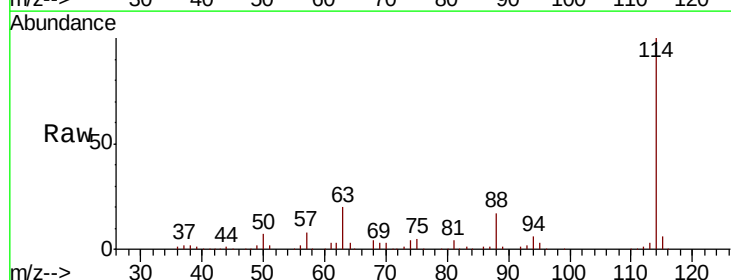
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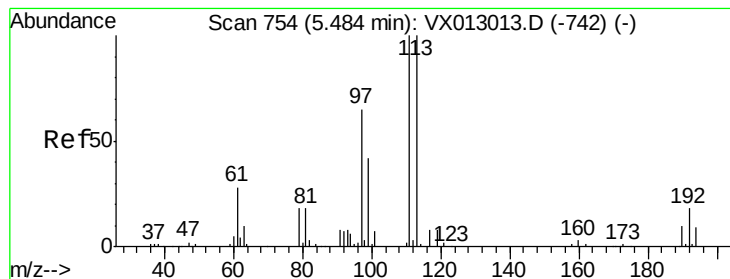
MMDadoda
 10/14/2019 1:06:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.8
88	16.7	0.0	33.8





#35

Dibromofluoromethane

Concen: 48.465 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

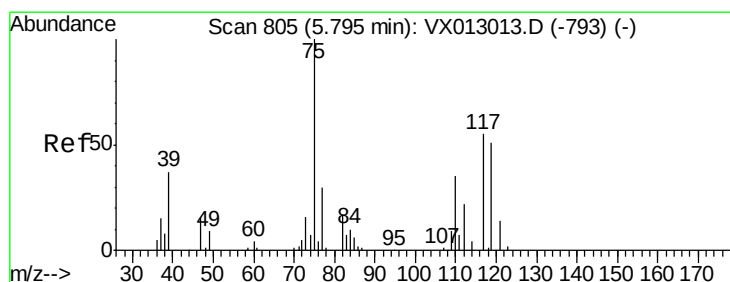
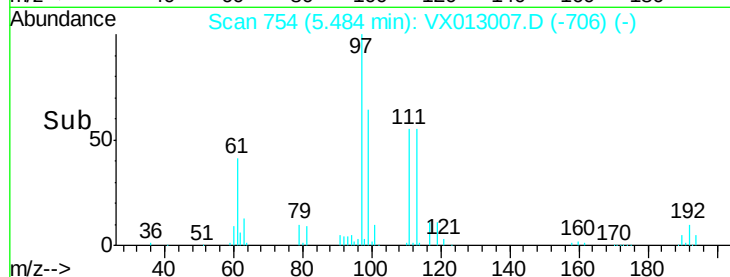
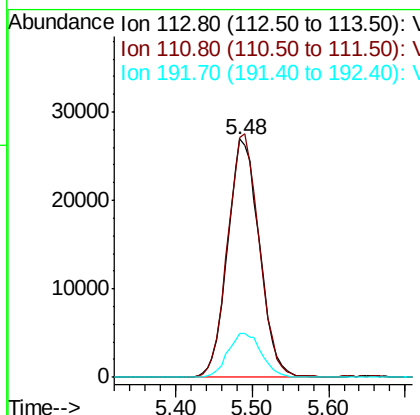
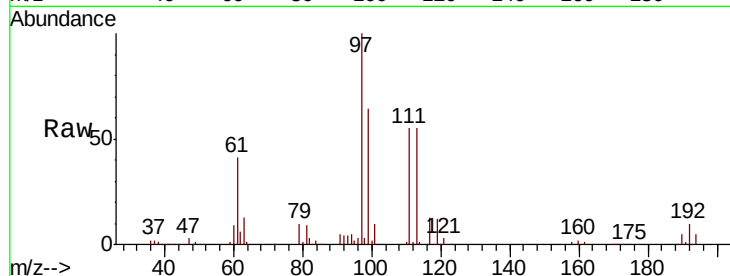
ClientSampleId :

FA19-JMW1964MSD

Tot Ion:	113	Resp:	77462
Ion Ratio	Lower	Upper	
113	100		
111	101.3	83.2	124.8
192	19.3	15.4	23.2

Manual Integrations
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10/14/2019 1:06:00 PM



#36

1,1-Dichloropropene

Concen: 50.120 ug/l

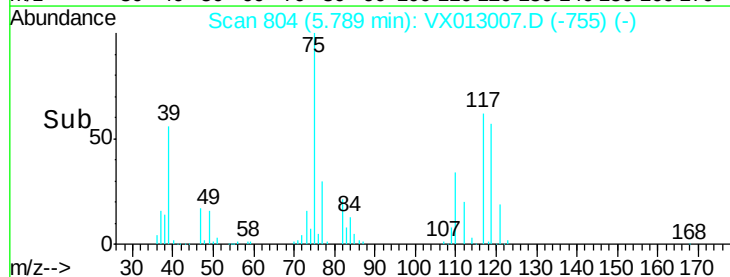
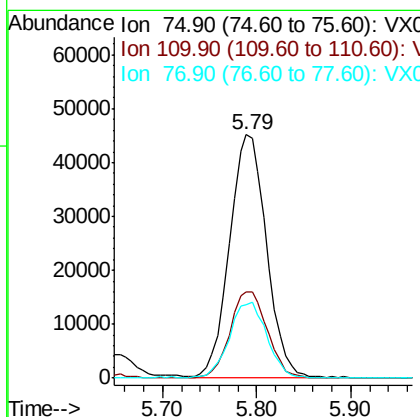
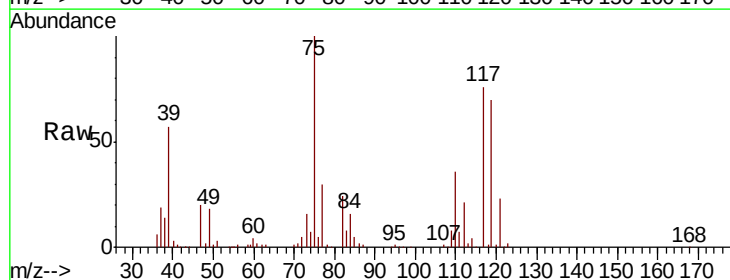
RT: 5.79 min Scan# 804

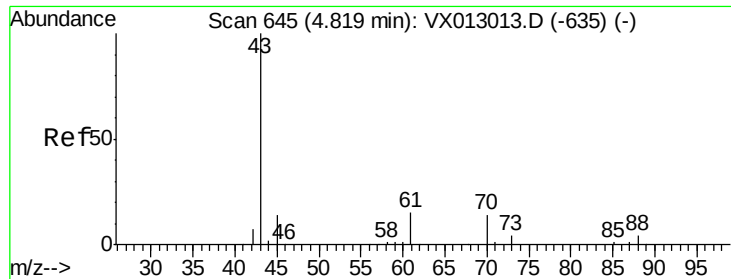
Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Tgt Ion:	75	Resp:	122713
Ion Ratio	Lower	Upper	
75	100		
110	36.2	17.6	52.9
77	32.0	24.4	36.6





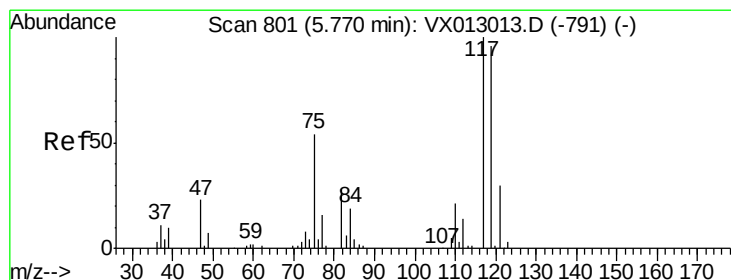
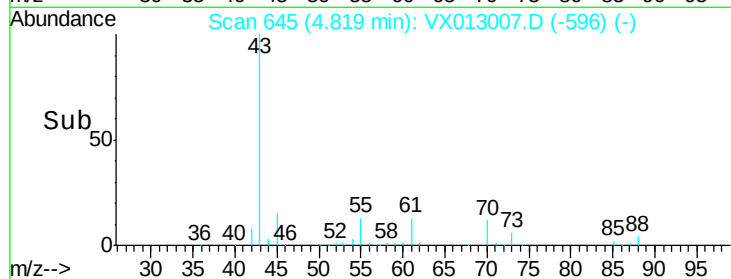
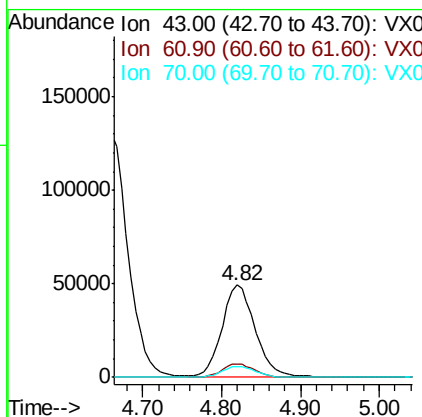
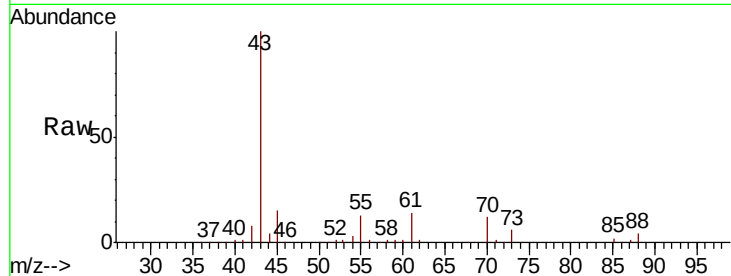
#37
Ethyl Acetate
Concen: 52.290 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.0
70	12.3	9.8	14.6

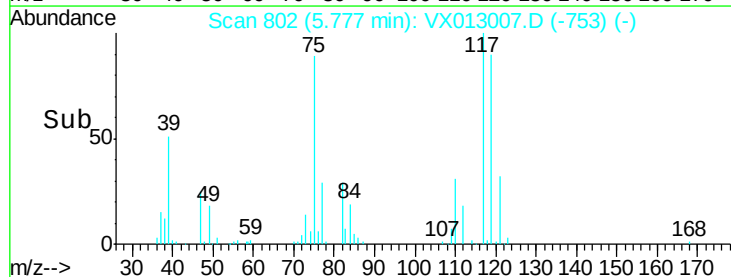
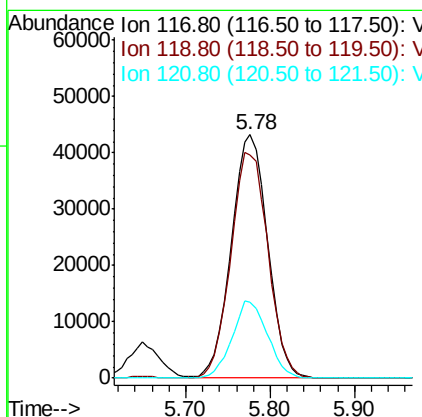
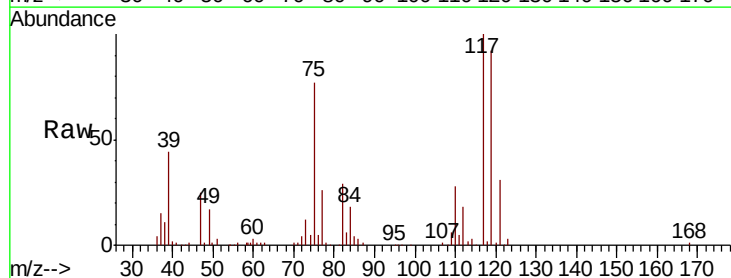
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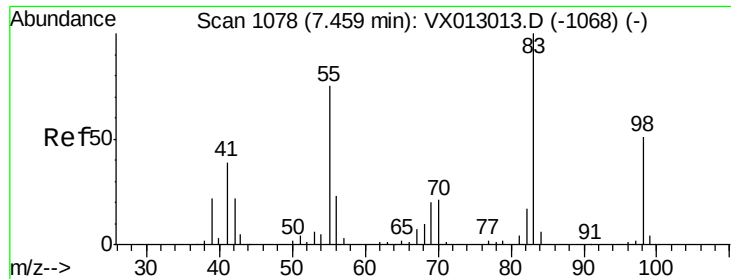
MMDadoda
10/14/2019 1:06:00 PM



#38
Carbon Tetrachloride
Concen: 53.059 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	74.5	111.7
121	31.2	24.2	36.4





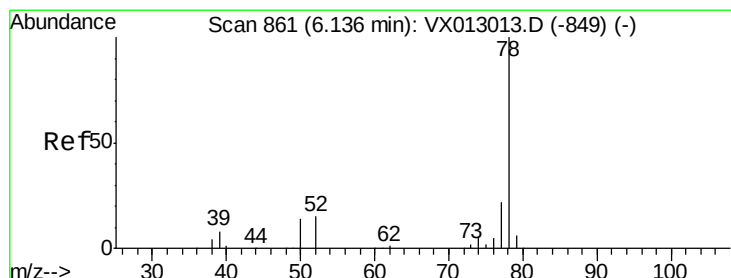
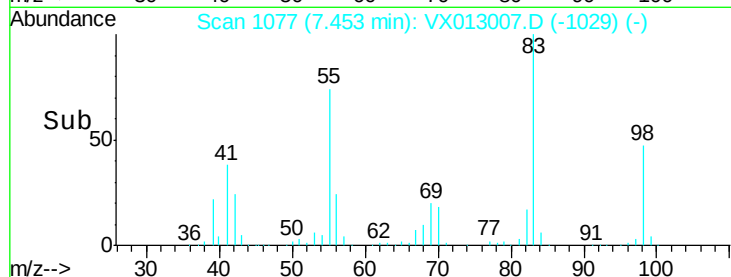
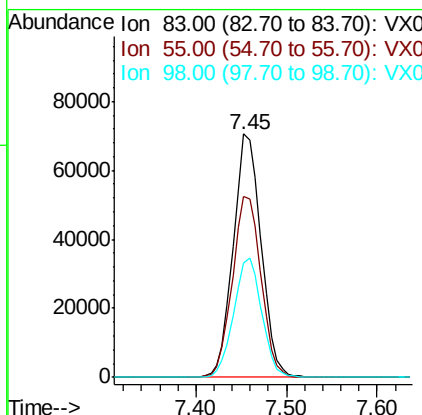
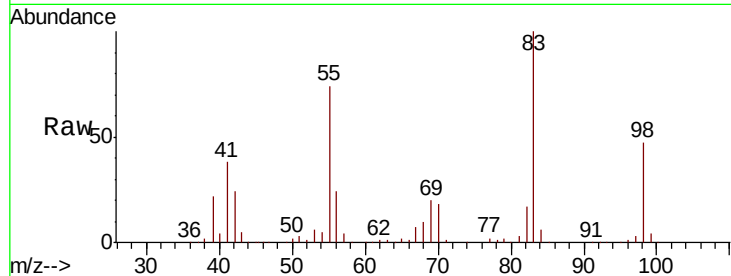
#39
Methylvlcyclohexane
Concen: 50.839 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964MSD

Tot Ion	83	Resp	150953
Ion	Ratio	Lower	Upper
83	100		
55	74.4	60.2	90.4
98	47.1	38.5	57.7

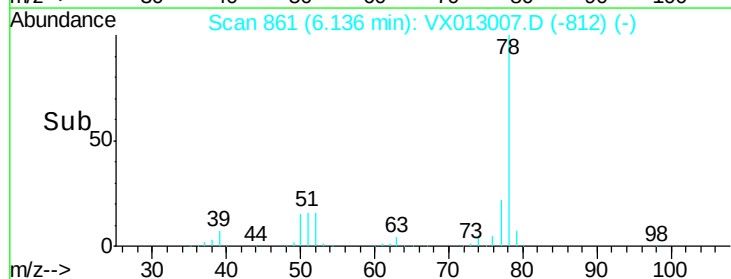
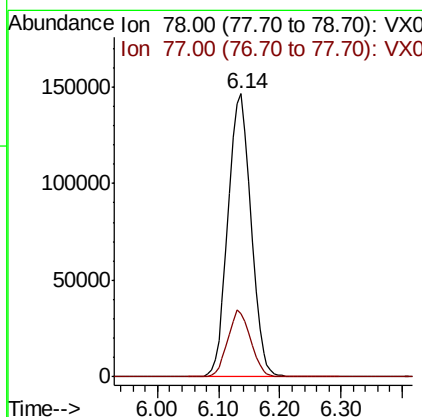
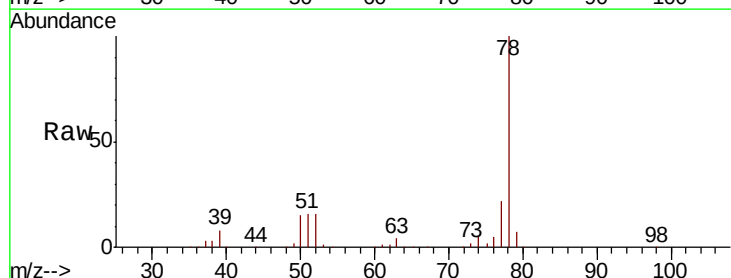
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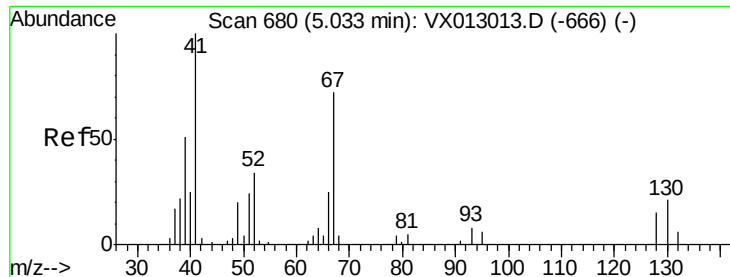
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#40
Benzene
Concen: 52.594 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion	78	Resp	380328
Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.0	28.4





#41

Methacrylonitrile

Concen: 51.351 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW1964MSD

Tot Ion: 41 Resp: 77251
Ion Ratio Lower Upper

41 100

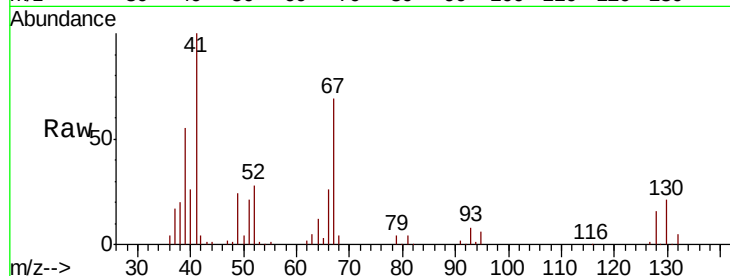
39 55.5 44.0 66.0

67 73.3 58.5 87.7

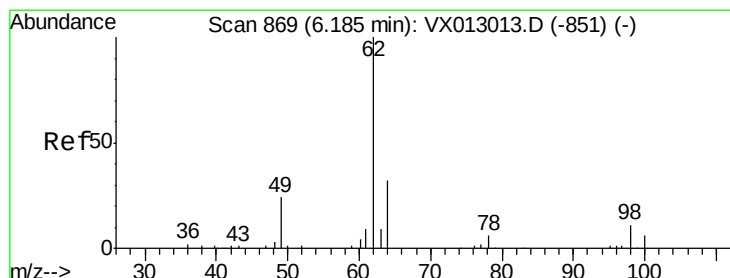
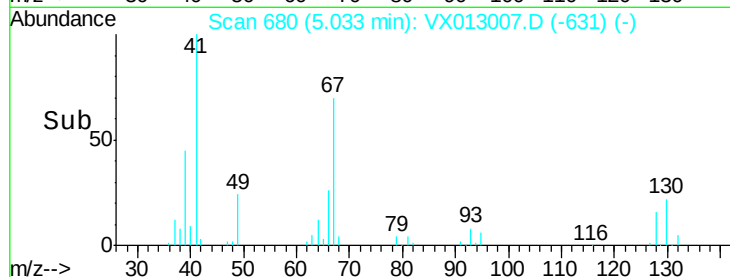
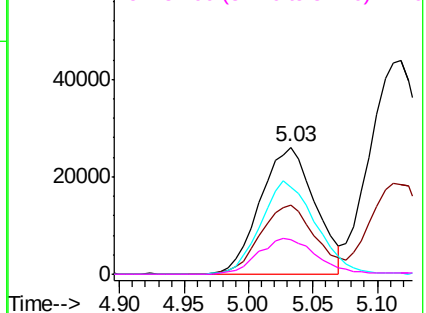
52 29.9 23.8 35.8

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 52.995 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

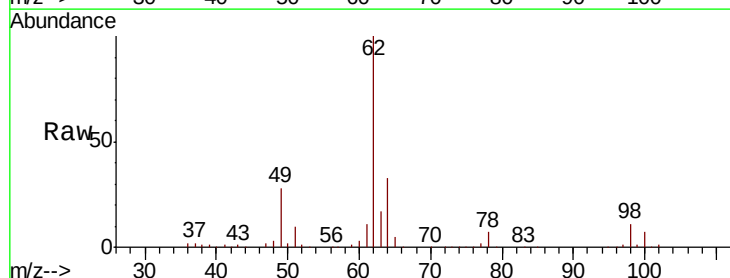
Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

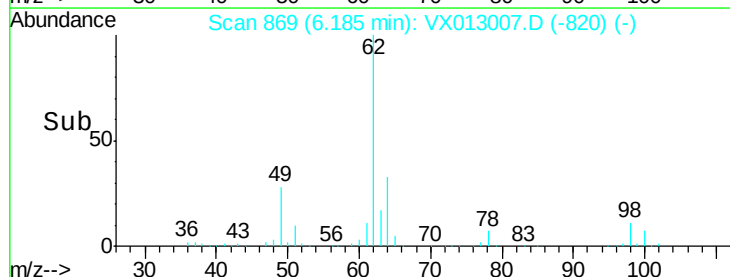
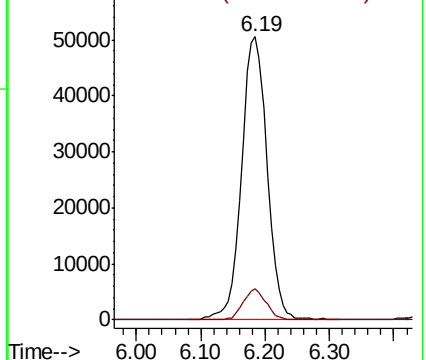
Tgt Ion: 62 Resp: 137513
Ion Ratio Lower Upper

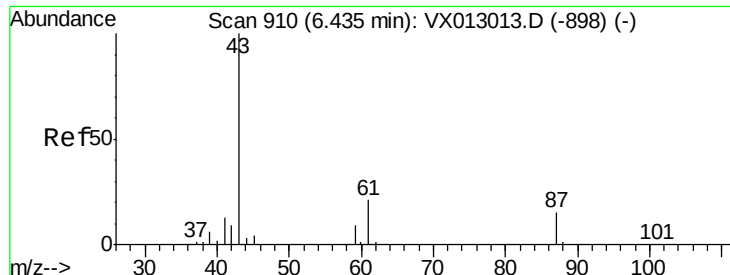
62 100

98 9.9 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 52.353 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

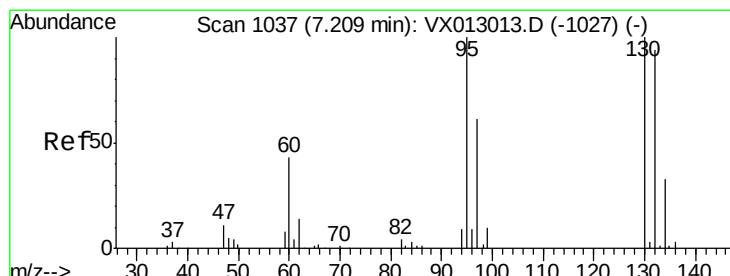
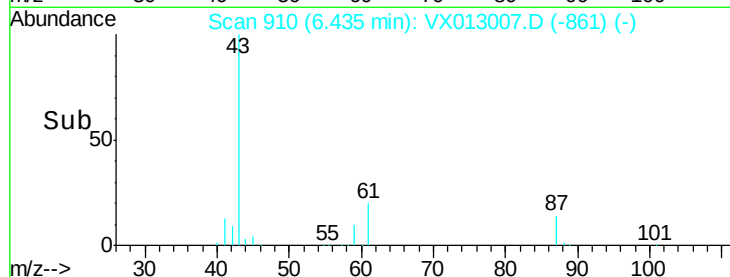
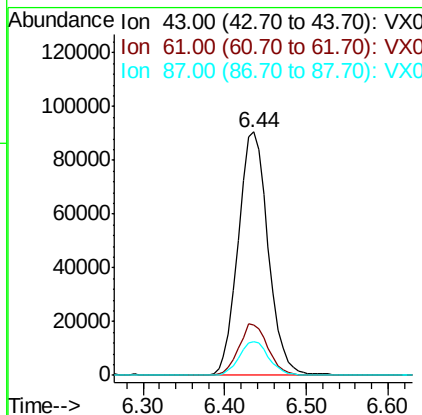
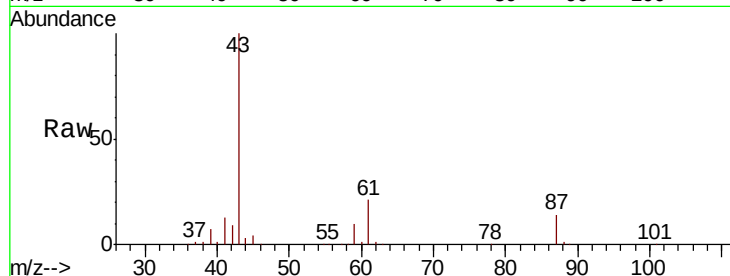
ClientSampleId :

FA19-JMW1964MSD

Tot Ion:	43	Resp:	230048
Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.6	24.8
87	13.7	11.0	16.6

Manual Integrations
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#44

Trichloroethene

Concen: 50.954 ug/l

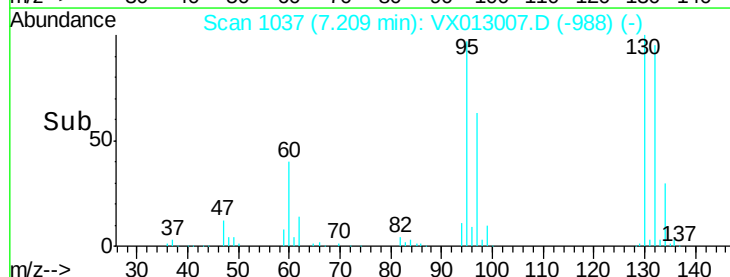
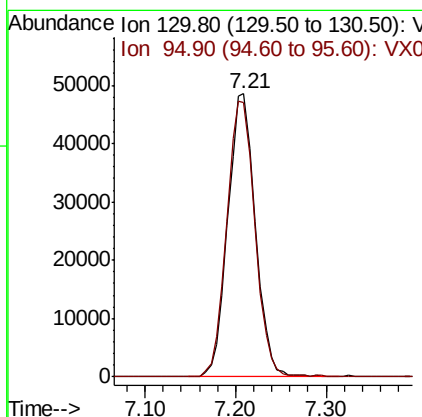
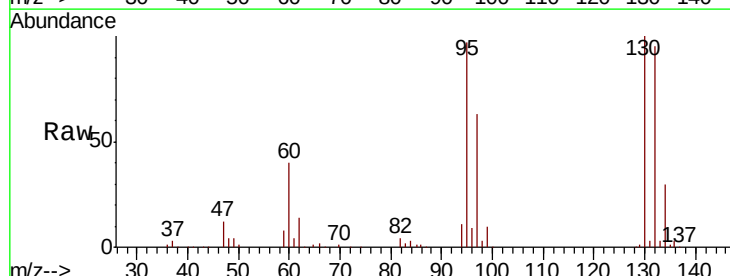
RT: 7.21 min Scan# 1037

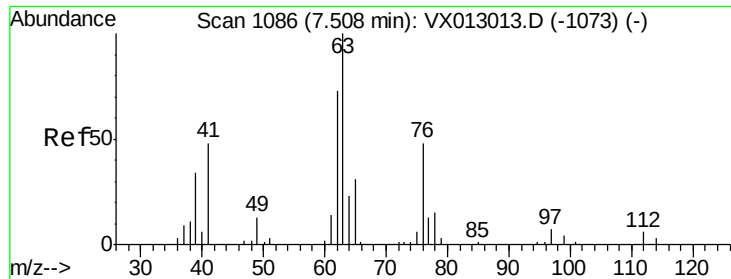
Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Tgt Ion:	130	Resp:	102176
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	189.2





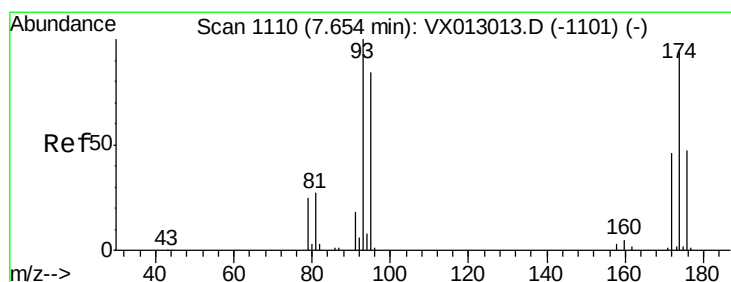
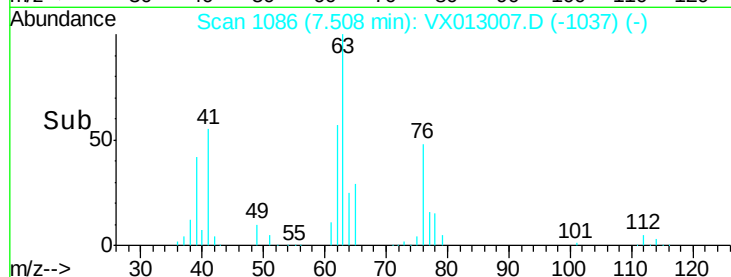
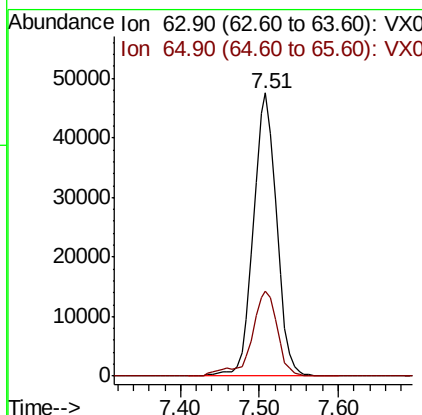
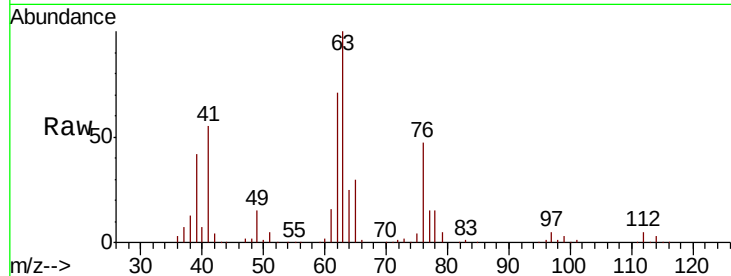
#45
 1,2-Dichloropropane
 Concen: 52.684 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1964MSD

Tot Ion: 63 Resp: 97099
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 37.0

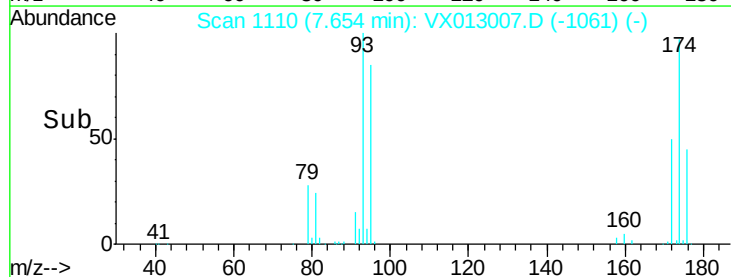
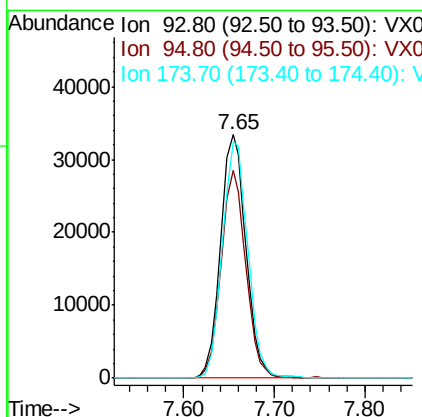
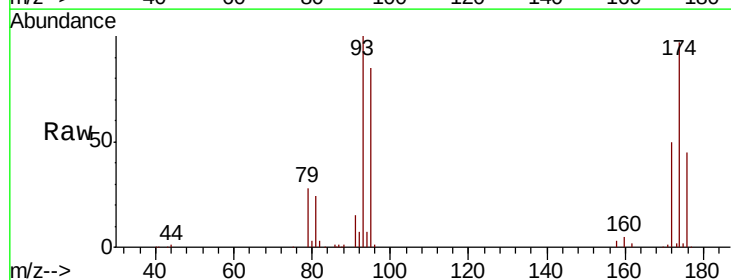
Manual Integrations
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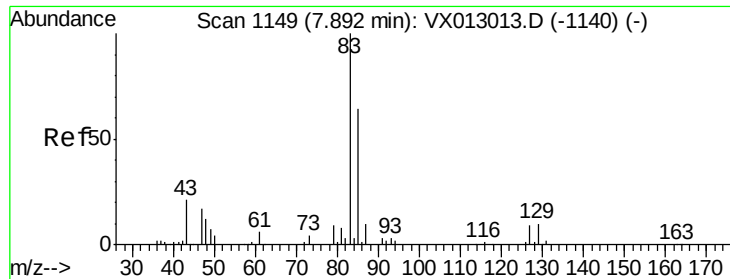
MMDadoda
 10/14/2019 1:06:00 PM



#46
 Dibromomethane
 Concen: 53.188 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Tgt Ion: 93 Resp: 65311
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.3 99.5
 174 97.3 77.8 116.6





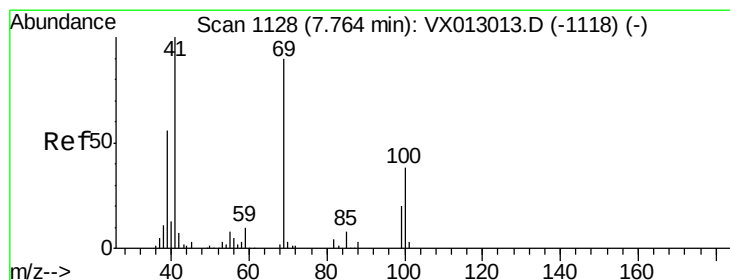
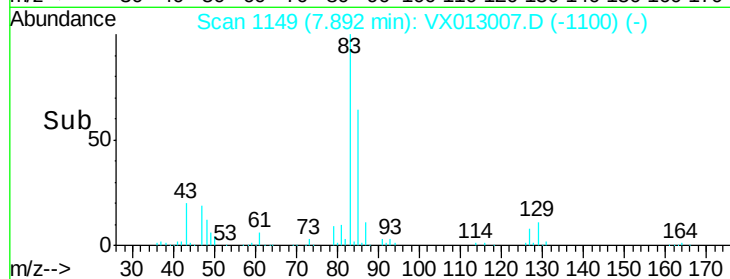
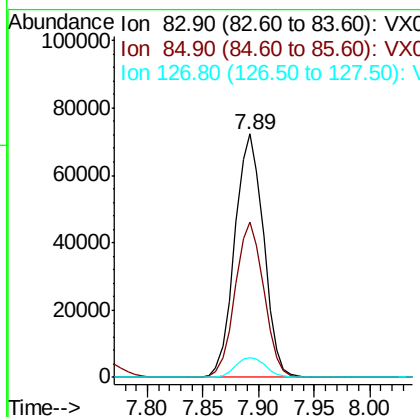
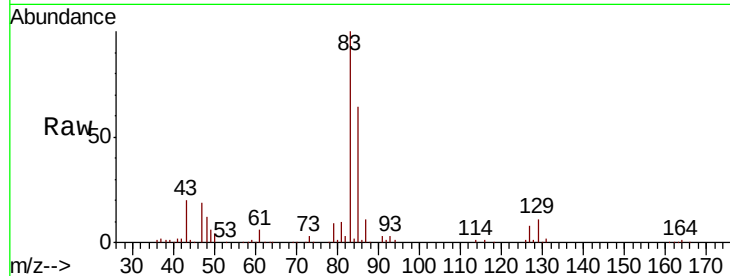
#47
Bromodichloromethane
Concen: 54.118 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964MSD

Tot Ion	83	Resp	129685
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	52.4	78.6
127	8.3	6.6	10.0

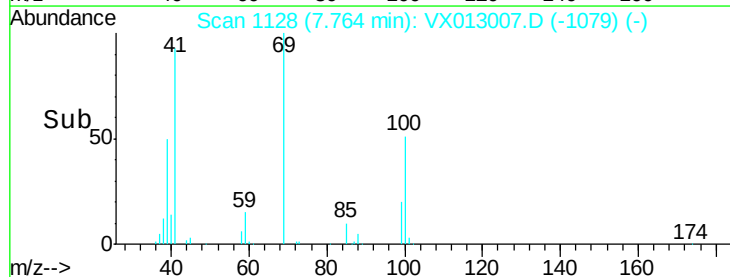
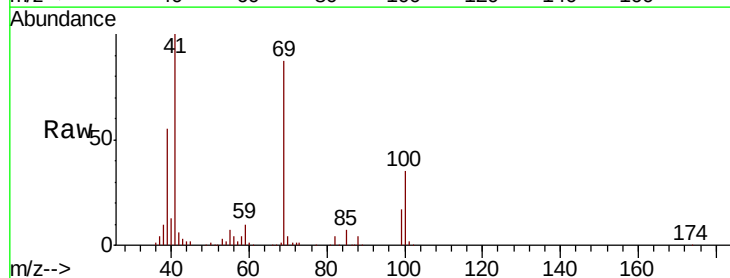
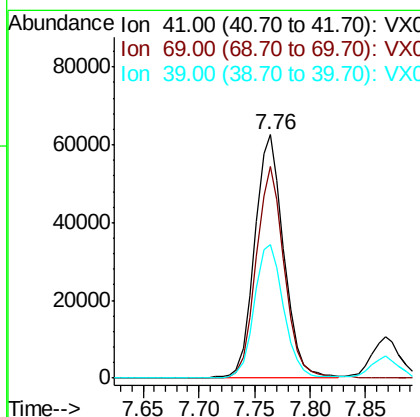
Manual Integrations
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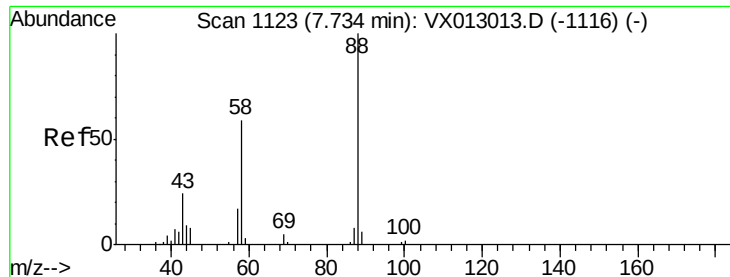
MMDadoda
10/14/2019 1:06:00 PM



#48
Methyl methacrylate
Concen: 53.267 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion	41	Resp	114063
Ion Ratio	100	Lower	Upper
41	100		
69	84.7	68.7	103.1
39	55.4	44.3	66.5





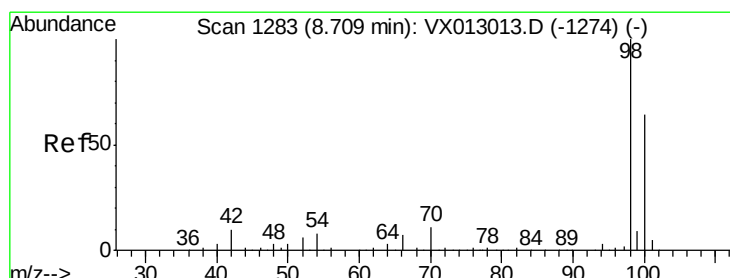
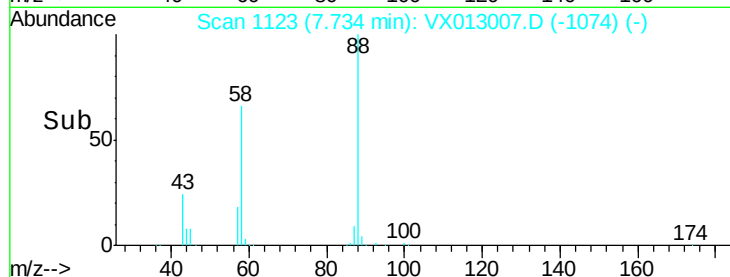
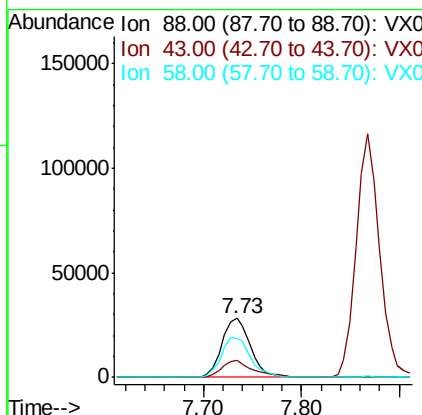
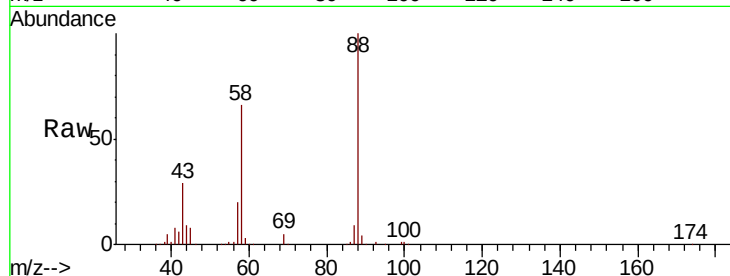
#49
1,4-Dioxane
Concen: 990.628 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	25.0	37.6
58	70.2	55.4	83.2

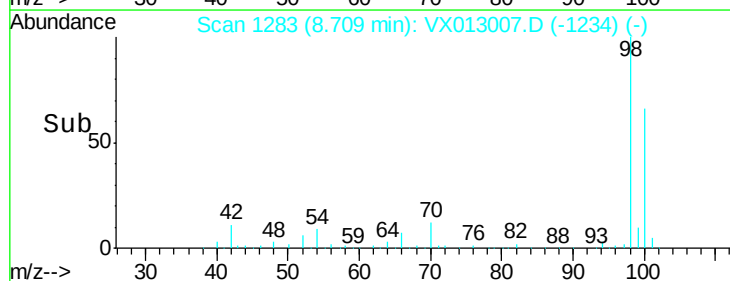
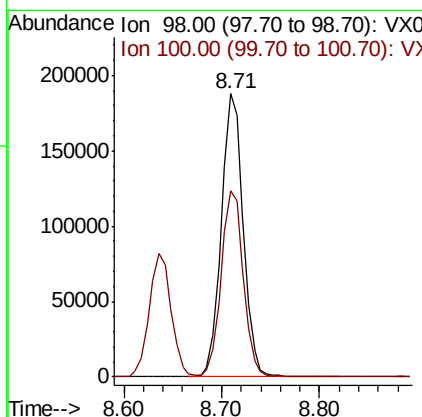
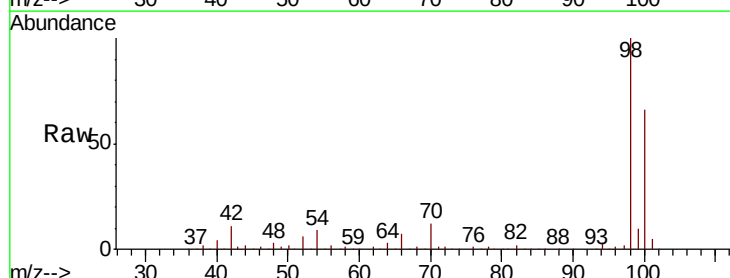
Manual Integrations
APPROVED

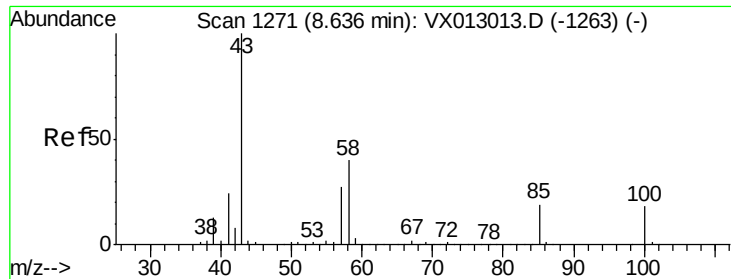
MMDadoda
10/14/2019 1:06:00 PM



#50
Toluene-d8
Concen: 46.816 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 265.629 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW1964MSD

Tot Ion: 43 Resp: 727739

Ion Ratio Lower Upper

43 100

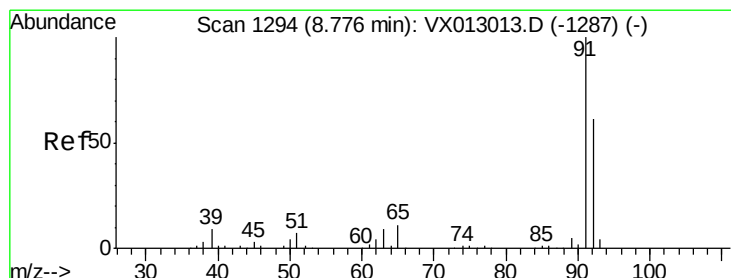
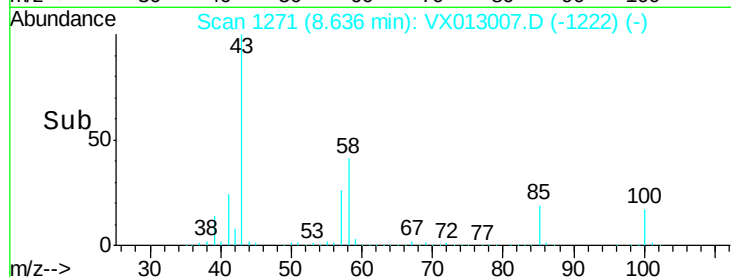
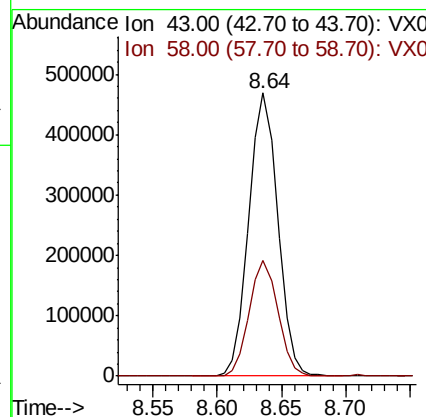
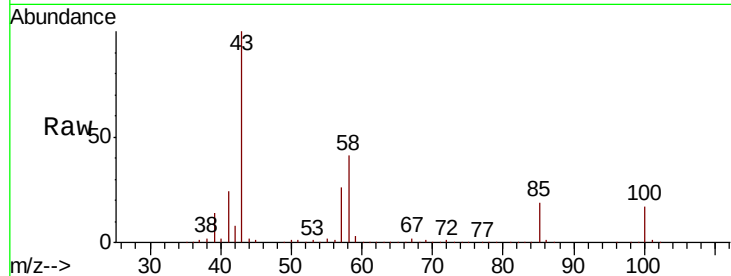
58 40.6 32.4 48.6

Manual Integrations

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#52

Toluene

Concen: 52.414 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013007.D

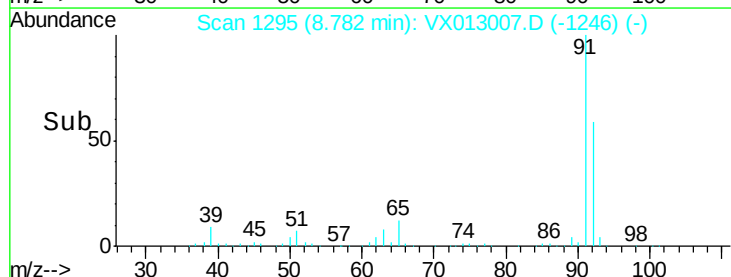
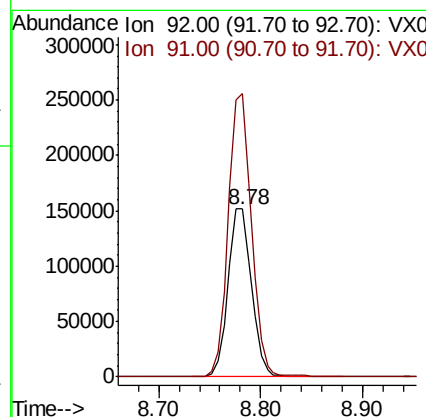
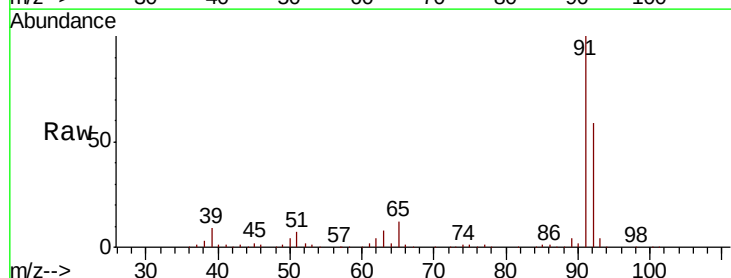
Acq: 10 Oct 2019 19:36

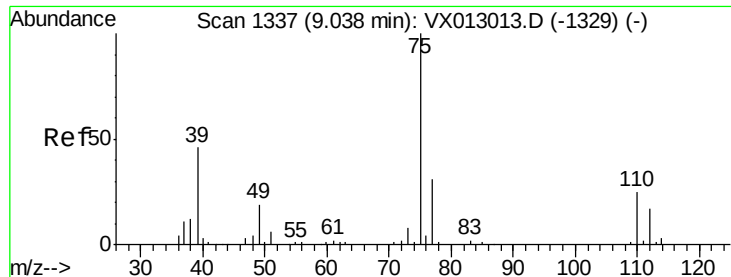
Tgt Ion: 92 Resp: 242483

Ion Ratio Lower Upper

92 100

91 166.9 135.9 203.9





#53

t-1,3-Dichloropropene

Concen: 46.821 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW1964MSD

Tot Ion: 75 Resp: 139588

Ion Ratio Lower Upper

75 100

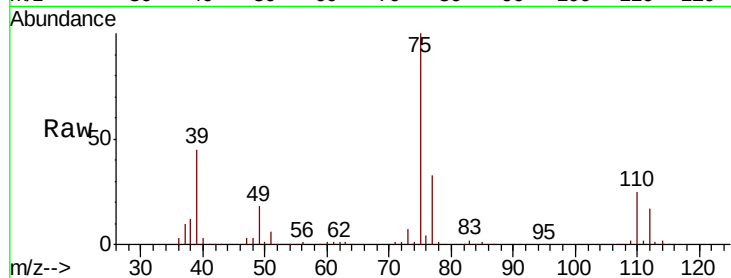
77 33.1 25.8 38.6

Manual Integrations

APPROVED

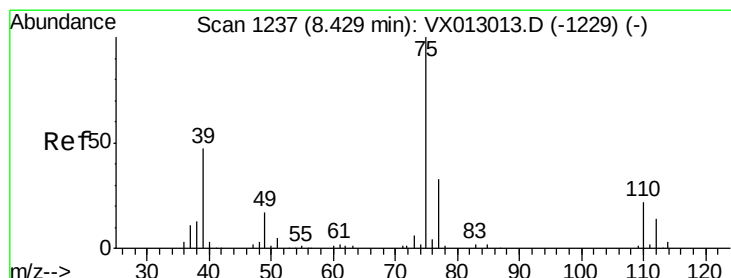
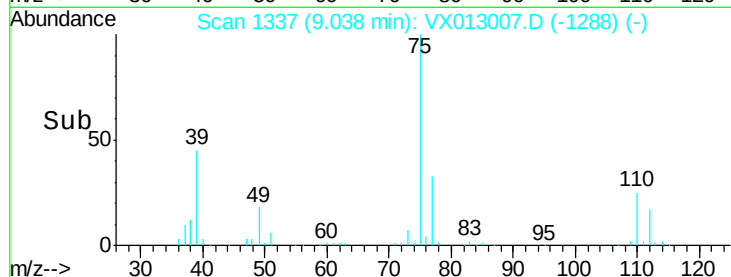
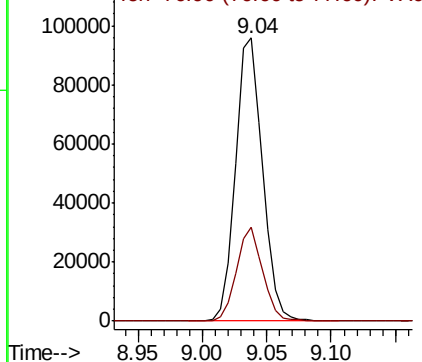
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 51.849 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

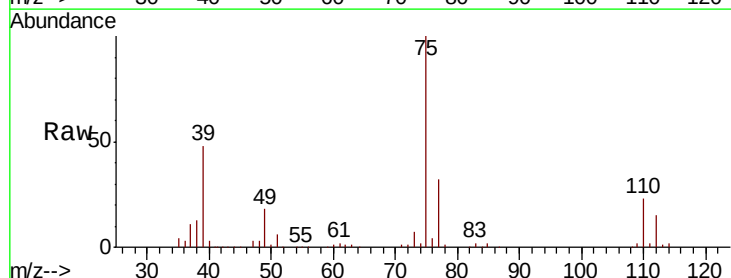
Tgt Ion: 75 Resp: 152814

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8

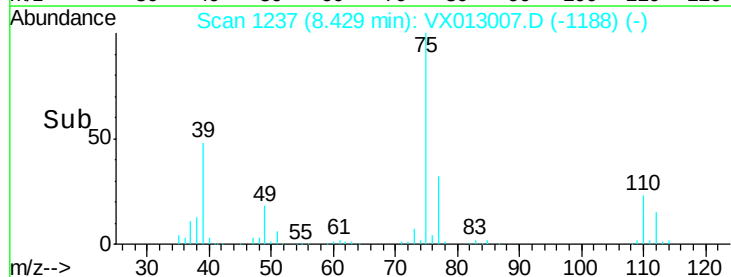
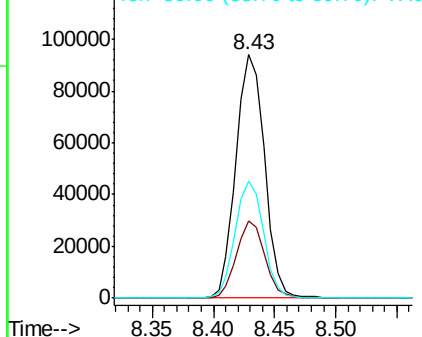
39 48.1 38.2 57.2

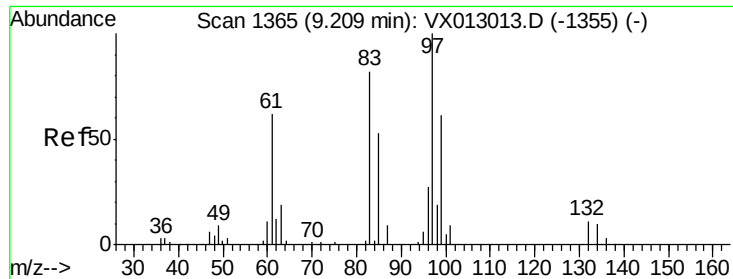


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





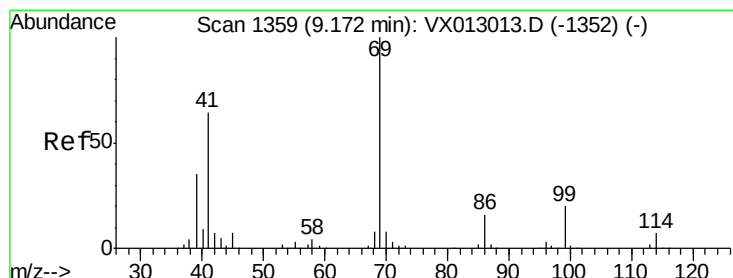
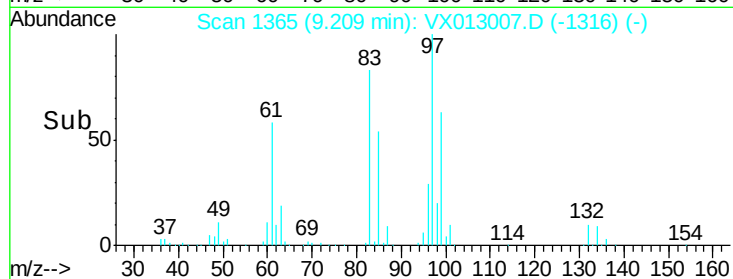
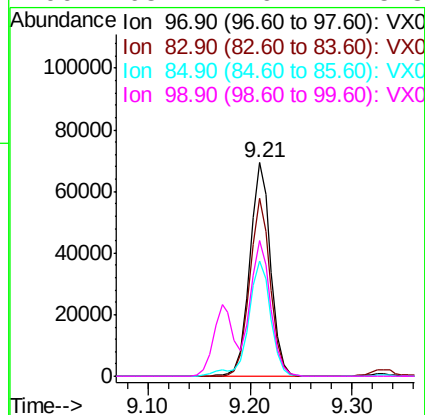
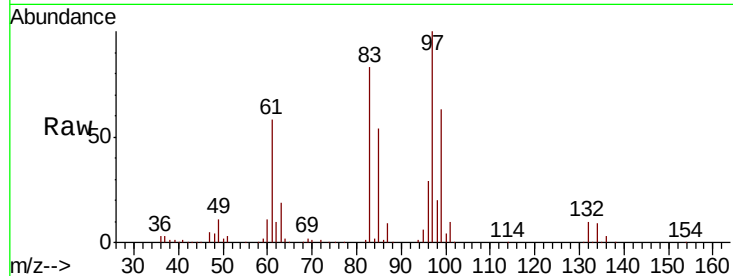
#55
 1,1,2-Trichloroethane
 Concen: 53.829 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1964MSD

Tot Ion:	97	Resp:	98551
Ion	Ratio	Lower	Upper
97	100		
83	83.5	66.5	99.7
85	54.2	43.1	64.7
99	63.4	49.2	73.8

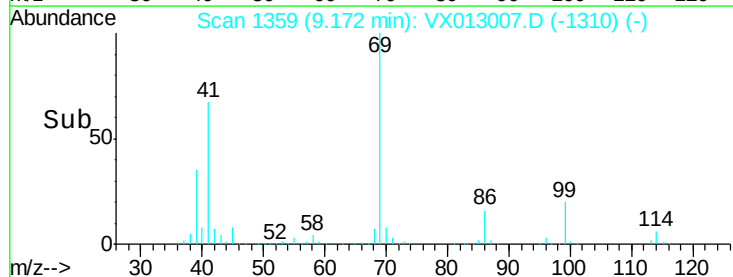
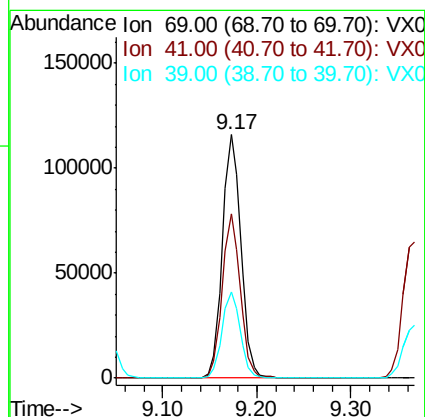
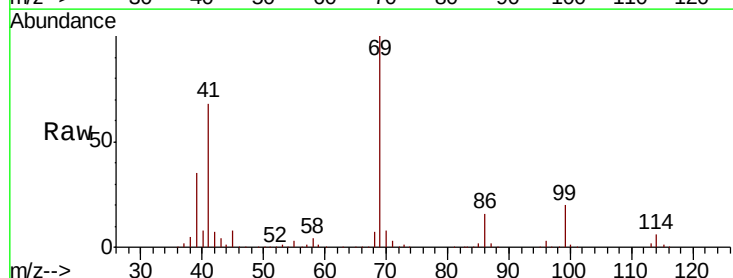
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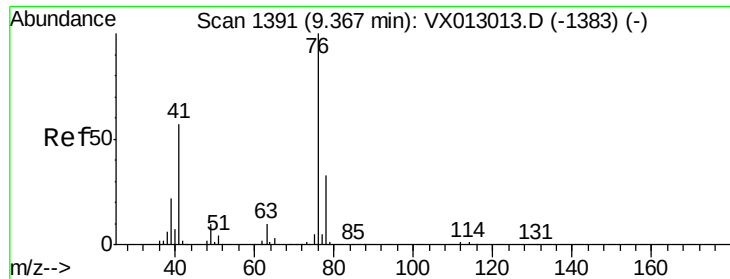
MMDadoda
 10/14/2019 1:06:00 PM



#56
 Ethyl methacrylate
 Concen: 48.542 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Tgt Ion:	69	Resp:	158959
Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.1	78.1
39	34.8	27.8	41.8





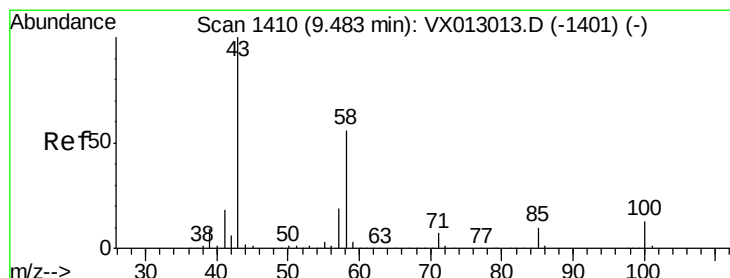
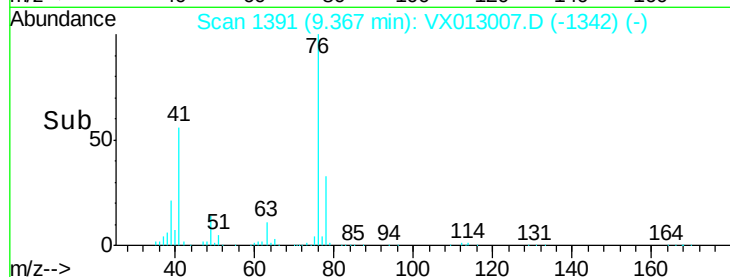
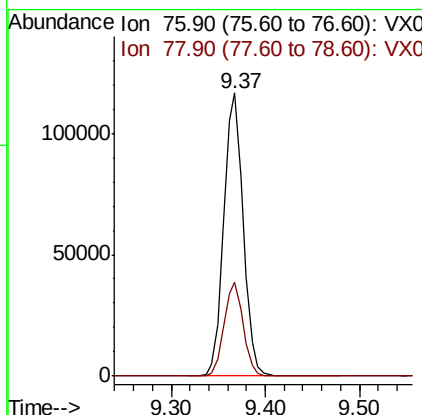
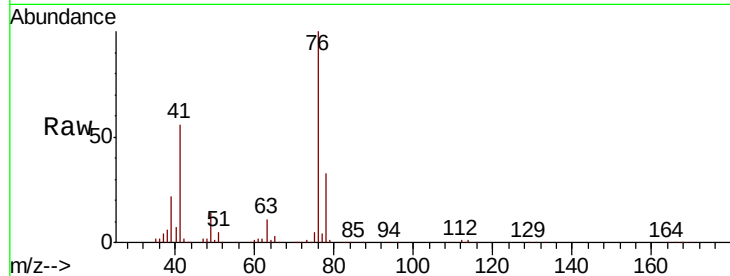
#57
 1,3-Dichloropropane
 Concen: 52.382 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1964MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.1	39.1

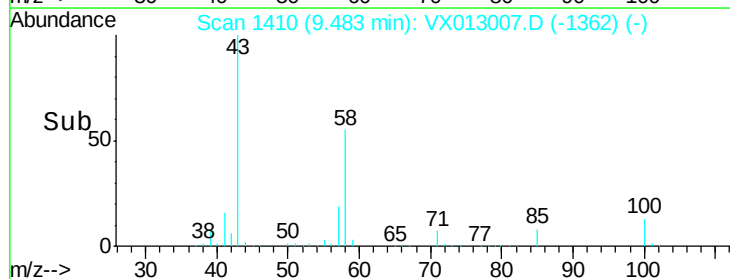
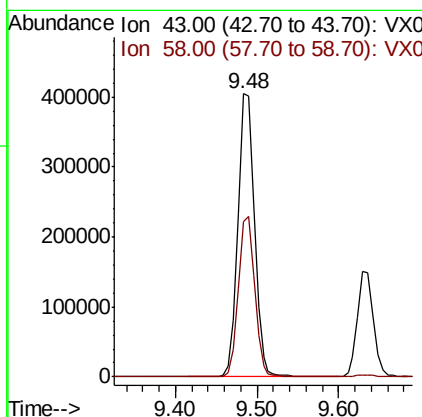
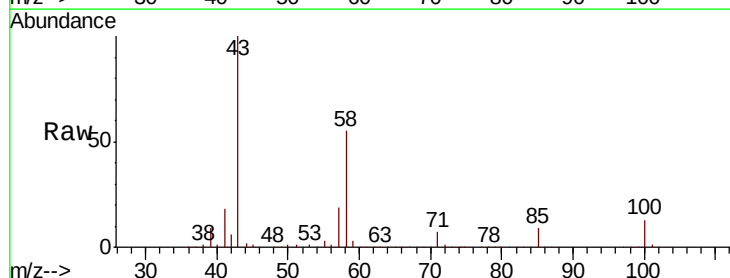
Manual Integrations
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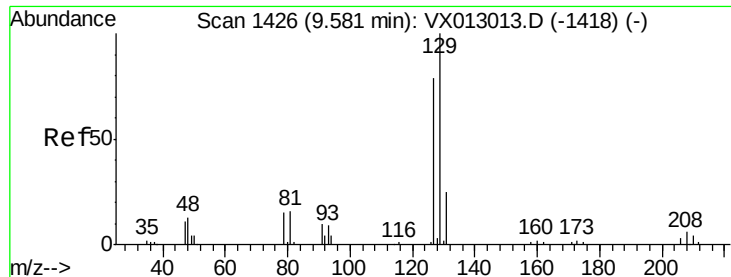
MMDadoda
 10/14/2019 1:06:00 PM



#59
 2-Hexanone
 Concen: 263.932 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.0	28.1	84.3





#60

Dibromochloromethane

Concen: 48.943 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW1964MSD

Tot Ion:129 Resp: 99634

Ion Ratio Lower Upper

129 100

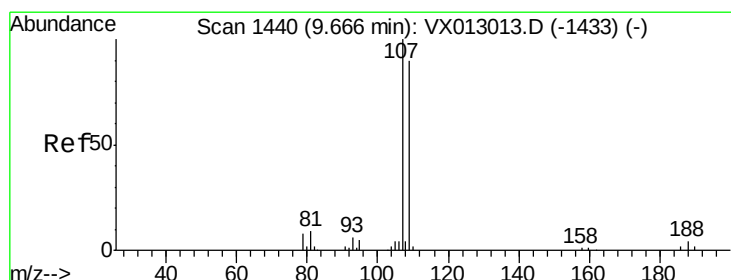
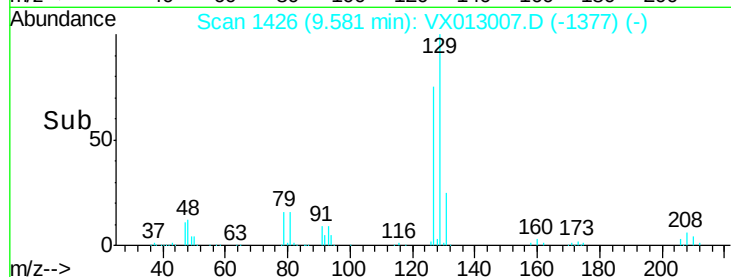
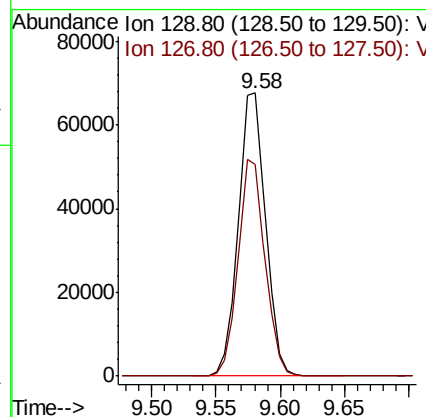
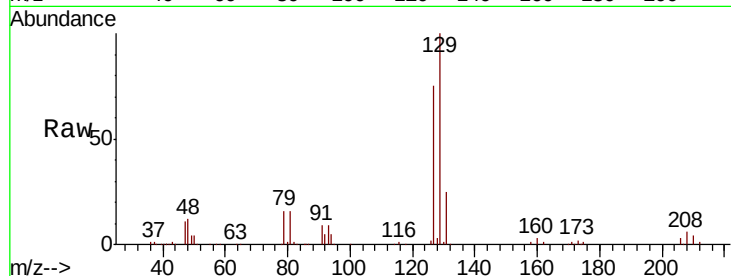
127 75.6 38.9 116.7

Manual Integrations

APPROVED

MMDadoda

10/14/2019 1:06:00 PM



#61

1,2-Dibromoethane

Concen: 53.392 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013007.D

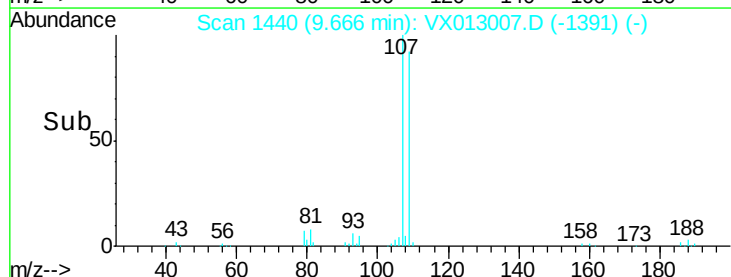
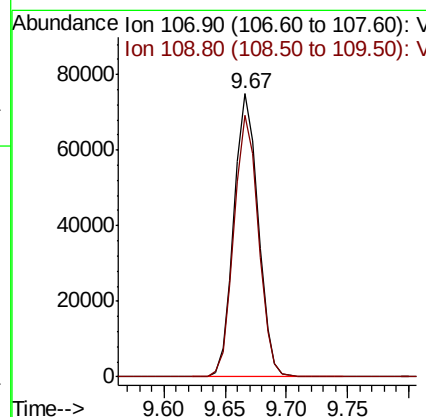
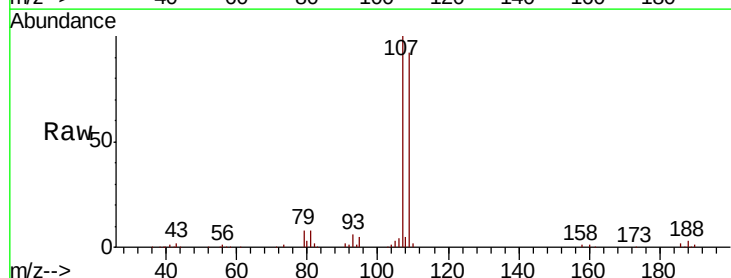
Acq: 10 Oct 2019 19:36

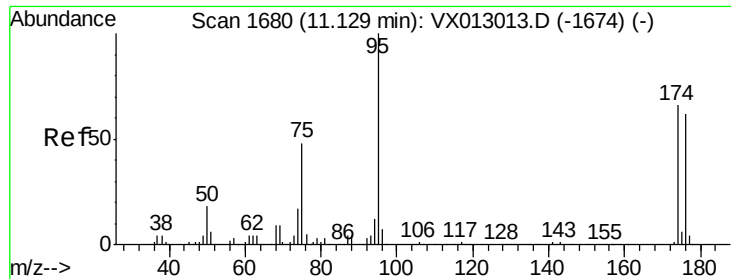
Tgt Ion:107 Resp: 102830

Ion Ratio Lower Upper

107 100

109 93.0 75.8 113.6





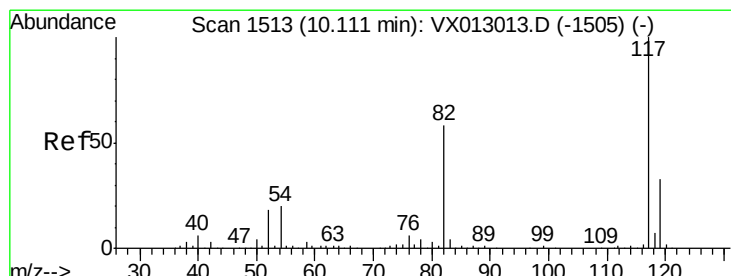
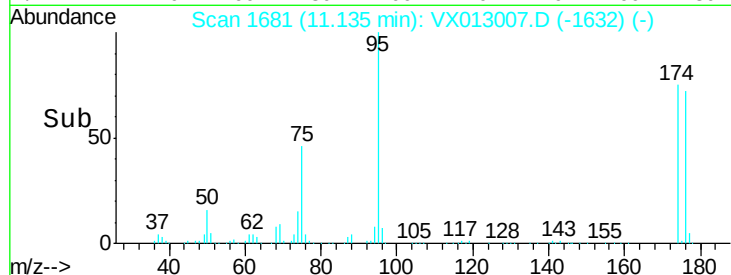
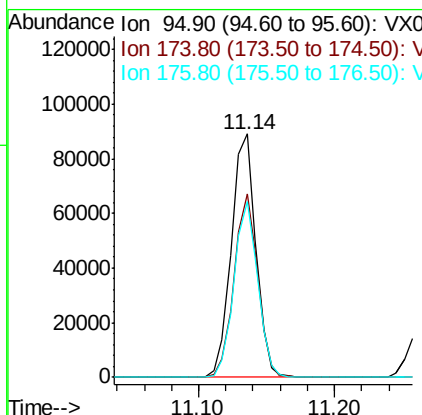
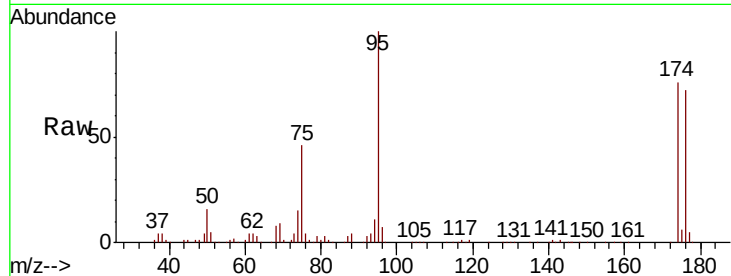
#62
4-Bromofluorobenzene
Concen: 46.171 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	111834		
174	72.7	0.0	143.4	
176	69.8	0.0	136.0	

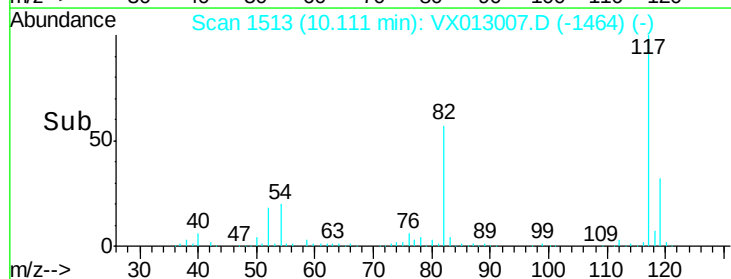
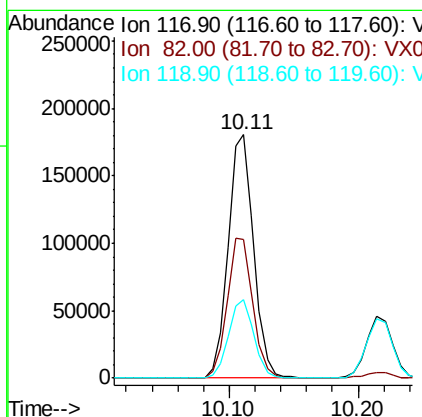
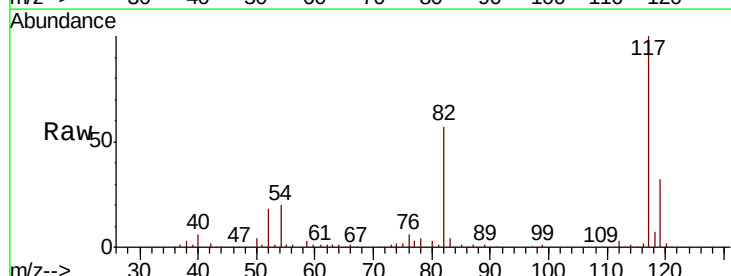
Manual Integrations
APPROVED

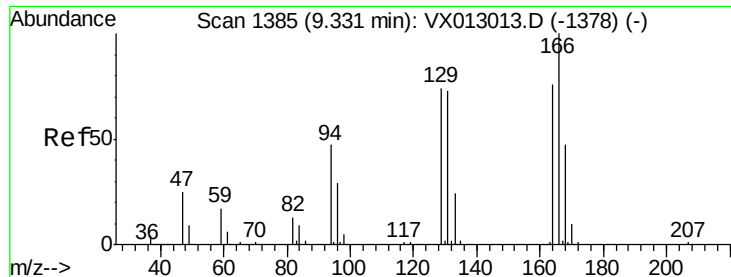
MMDadoda
10/14/2019 1:06:00 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	249814		
82	57.1	44.1	66.1	
119	32.4	25.8	38.8	





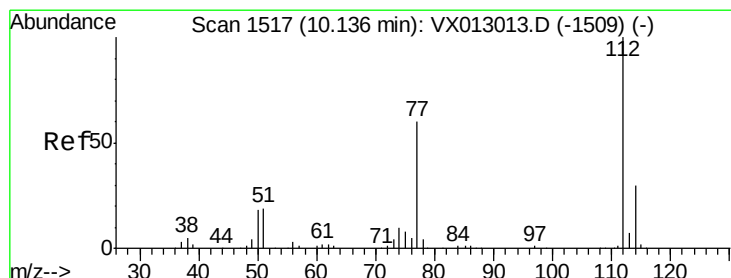
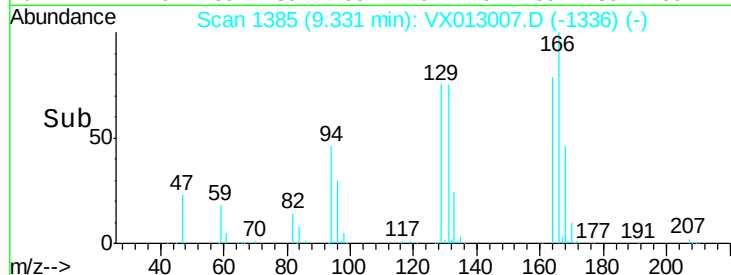
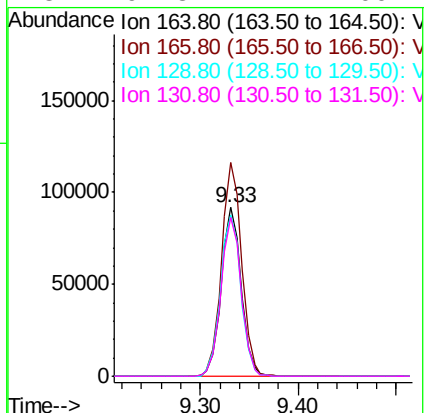
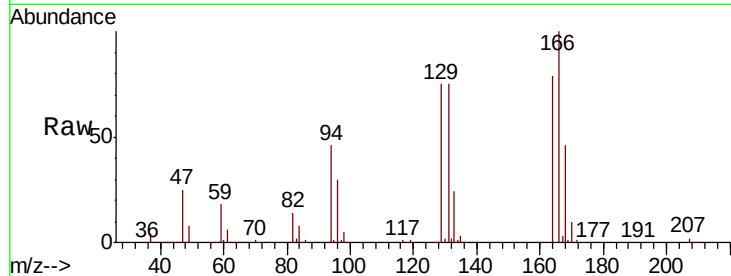
#64
Tetrachloroethene
Concen: 74.446 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	126.5	96.9	145.3	
129	95.5	77.9	116.9	
131	94.3	72.7	109.1	

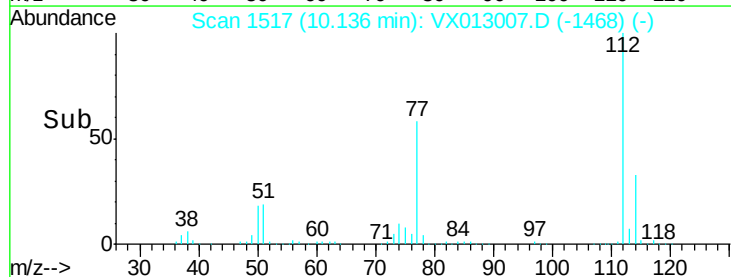
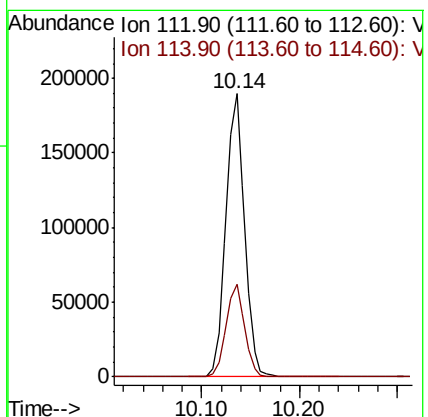
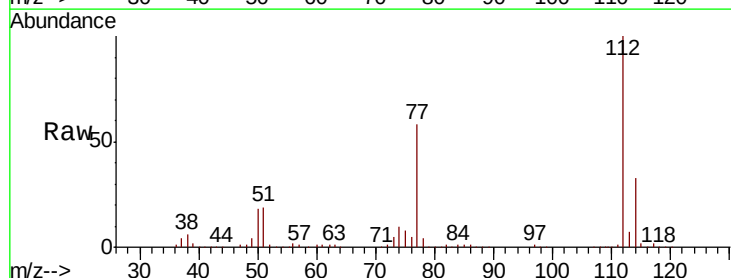
Manual Integrations
APPROVED

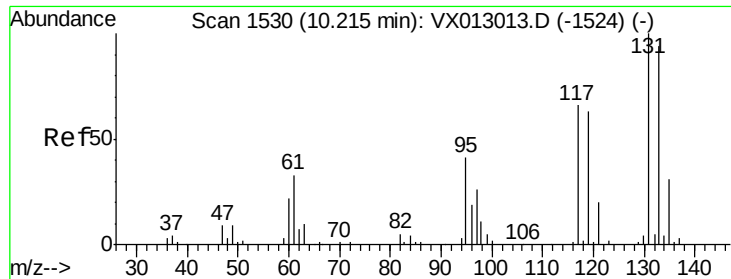
MMDadoda
10/14/2019 1:06:00 PM



#65
Chlorobenzene
Concen: 50.872 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	32.9	25.7	38.5	





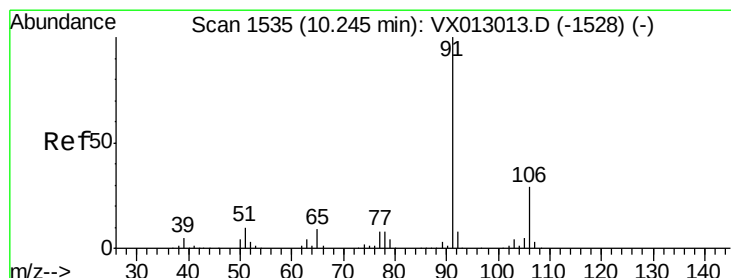
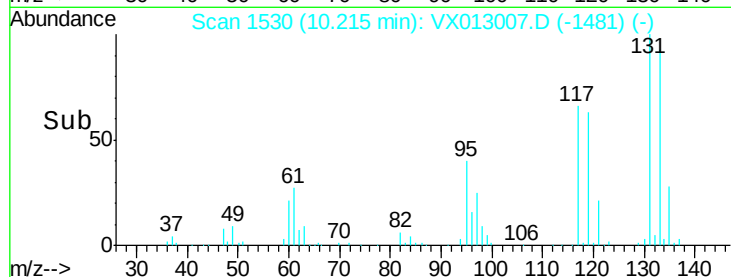
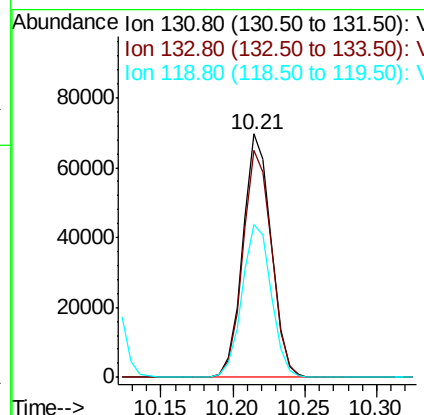
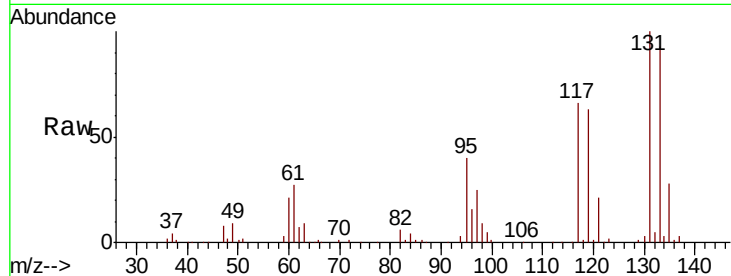
#66
 1,1,1,2-Tetrachloroethane
 Concen: 55.040 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1964MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.2	141.6
119	64.9	32.6	98.0

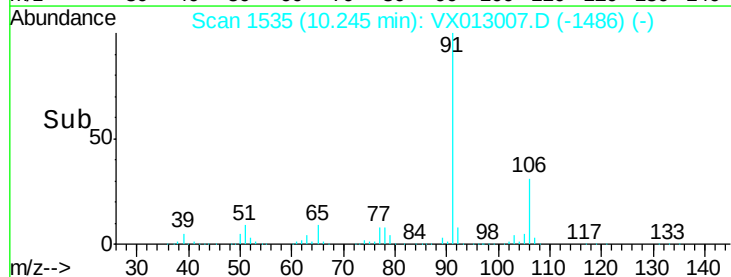
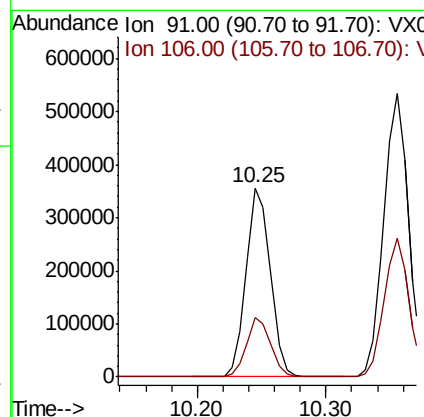
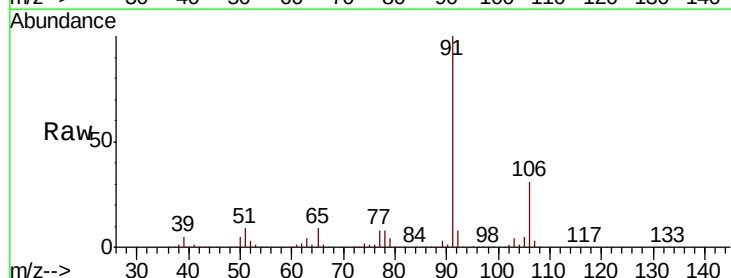
Manual Integrations
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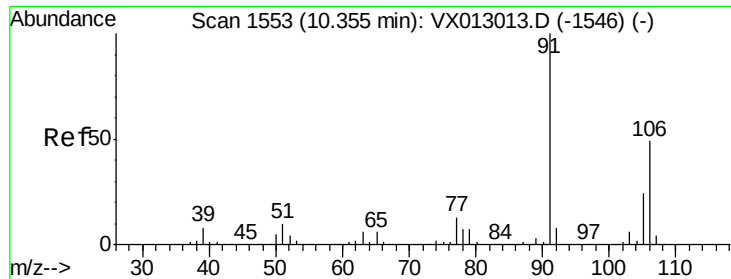
MMDadoda
 10/14/2019 1:06:00 PM



#67
 Ethyl Benzene
 Concen: 52.625 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	23.9	35.9





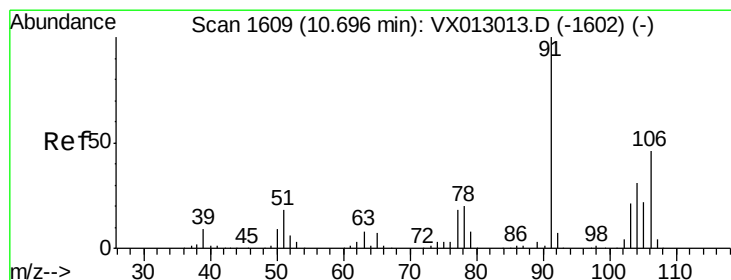
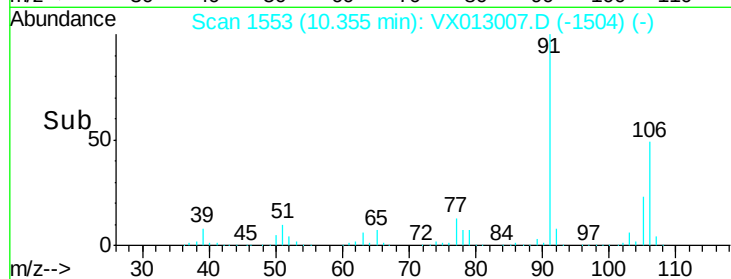
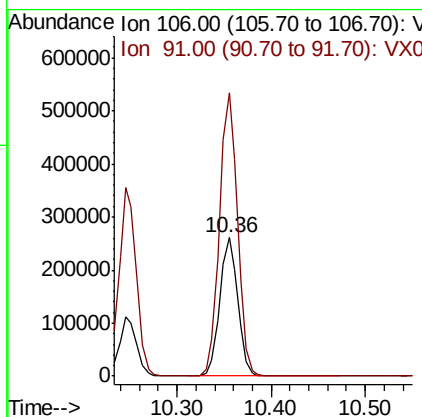
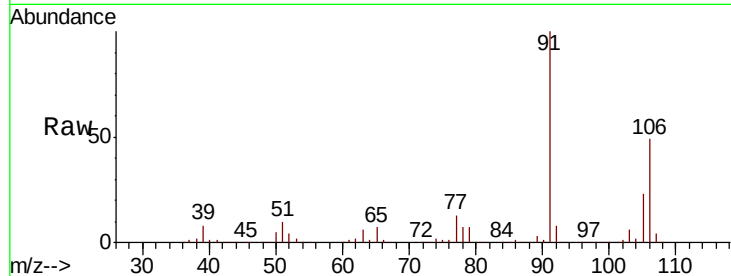
#68
m/p-Xylenes
Concen: 105.188 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964MSD

Tot Ion:106 Resp: 346281
Ion Ratio Lower Upper
106 100
91 205.3 165.3 247.9

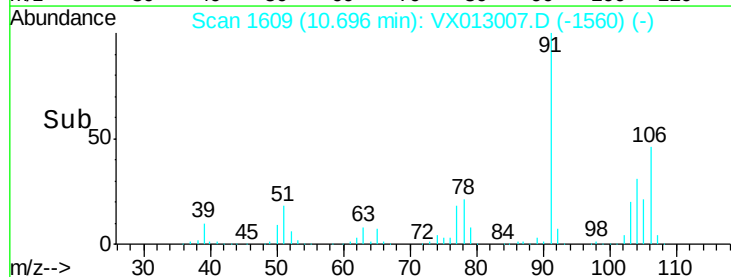
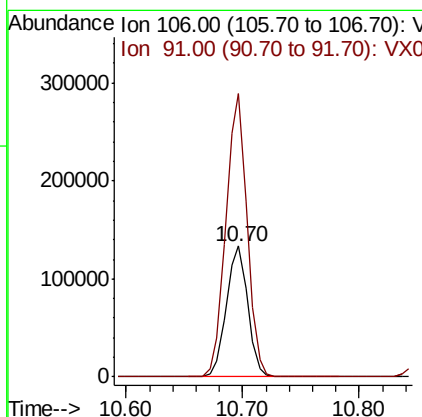
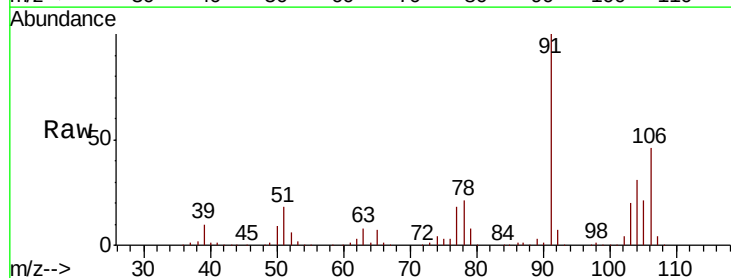
Manual Integrations
APPROVED

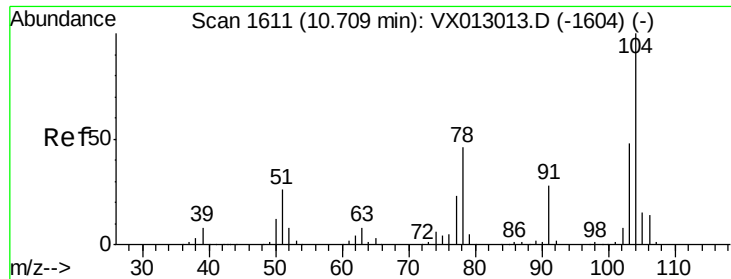
MMDadoda
10/14/2019 1:06:00 PM



#69
o-Xylene
Concen: 52.715 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion:106 Resp: 169231
Ion Ratio Lower Upper
106 100
91 215.0 109.1 327.3





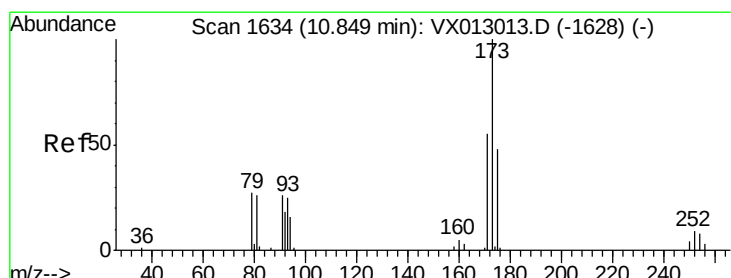
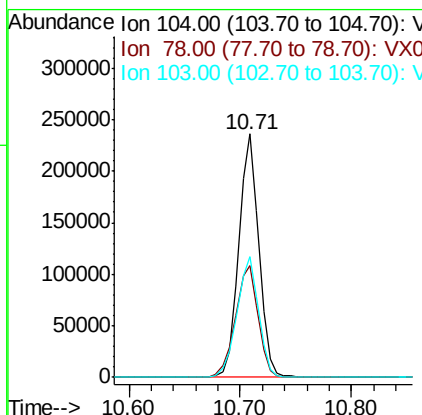
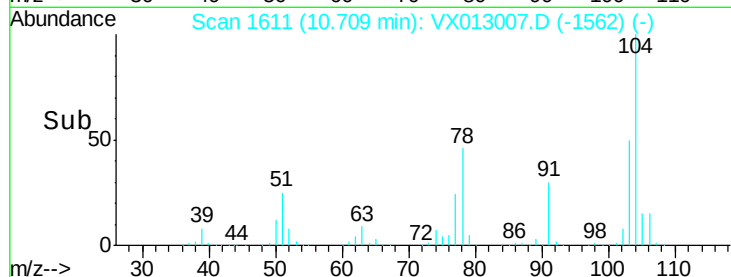
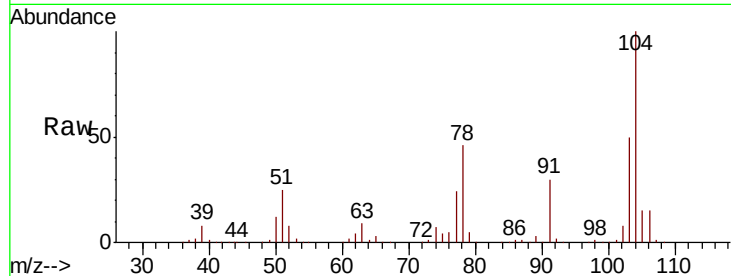
#70
Stvrene
Concen: 53.803 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.2	61.8
103	53.9	43.0	64.4

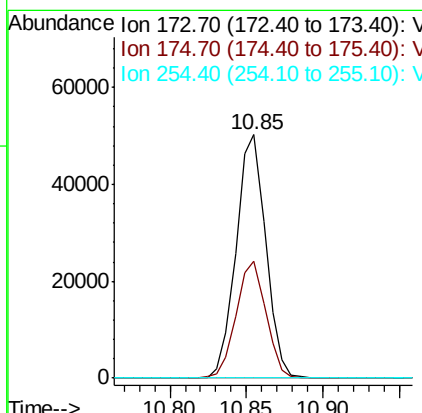
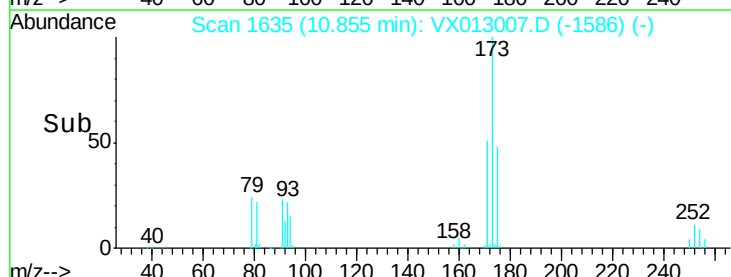
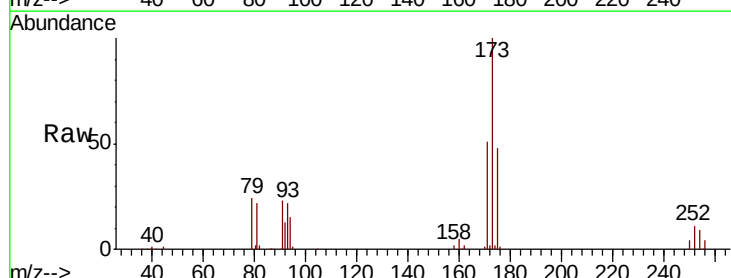
Manual Integrations
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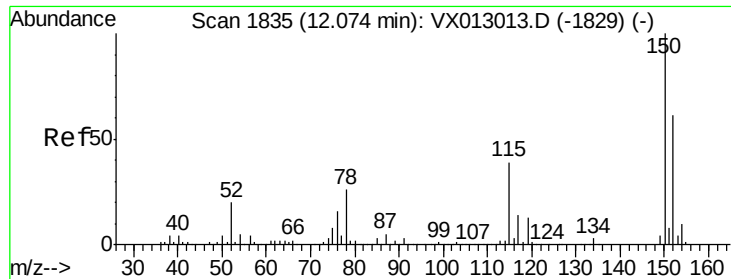
MMDadoda
10/14/2019 1:06:00 PM



#71
Bromoform
Concen: 46.284 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.3
254	0.2	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: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW1964MSD

Tot Ion:152 Resp: 113768

Ion Ratio Lower Upper

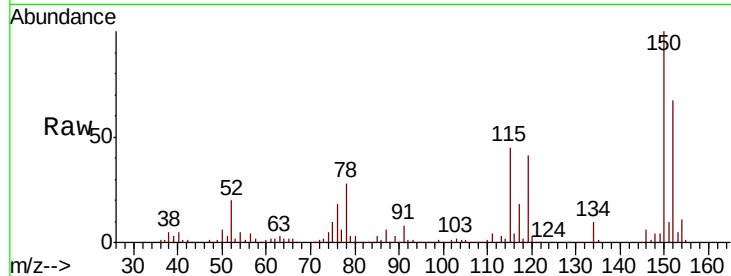
152 100

115 89.7 44.5 133.5

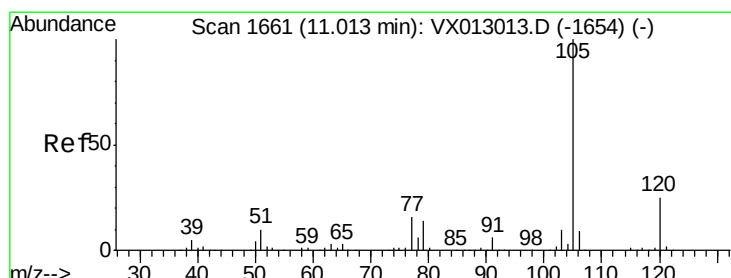
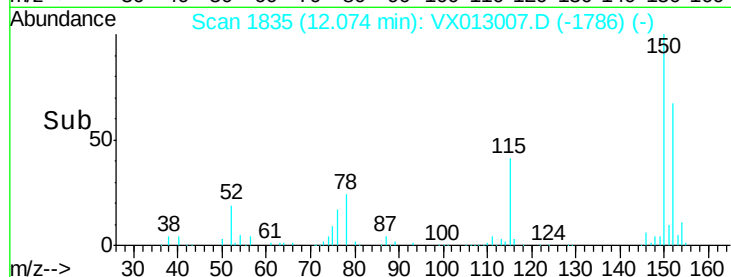
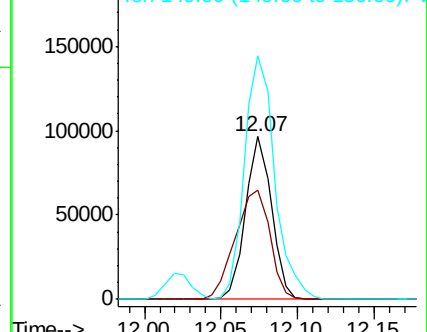
150 175.2 0.0 353.4

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



#73

Isopropylbenzene

Concen: 53.144 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013007.D

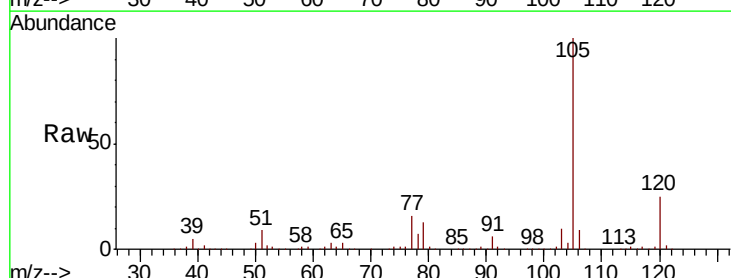
Acq: 10 Oct 2019 19:36

Tgt Ion:105 Resp: 444520

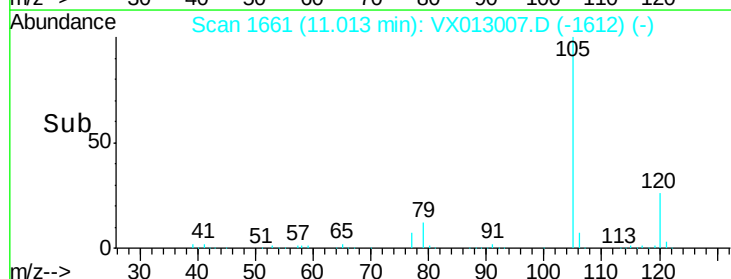
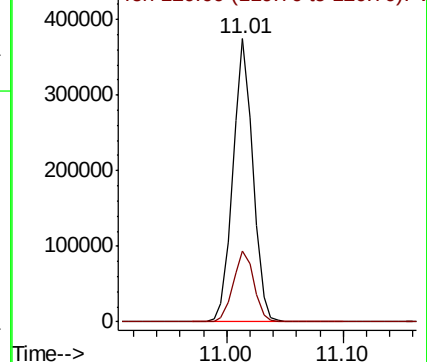
Ion Ratio Lower Upper

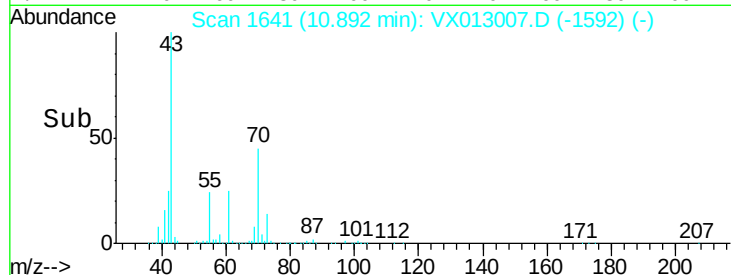
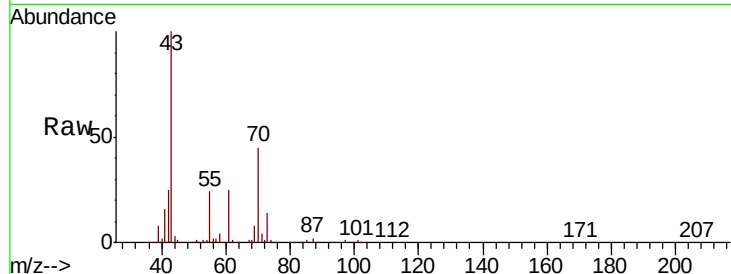
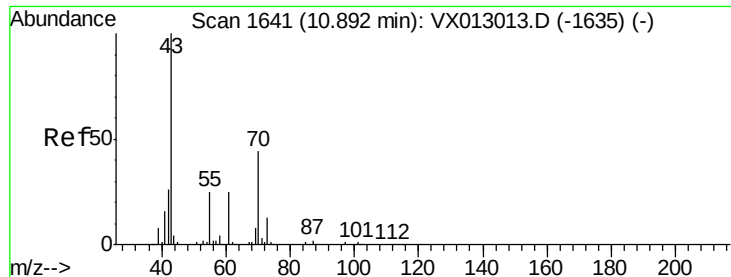
105 100

120 26.0 13.0 39.0



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





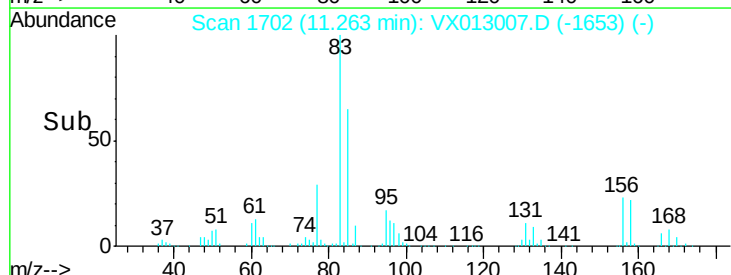
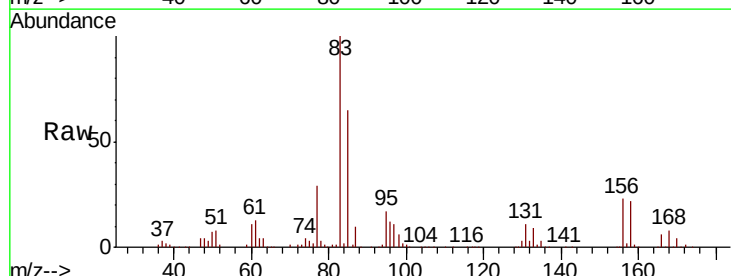
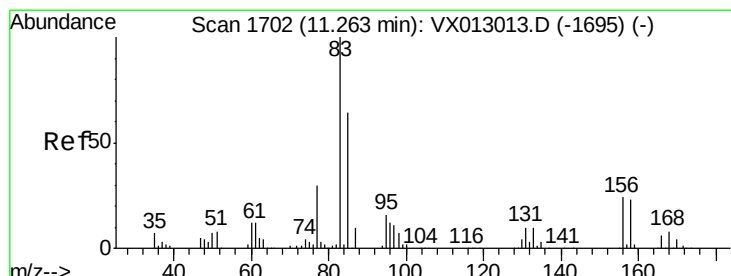
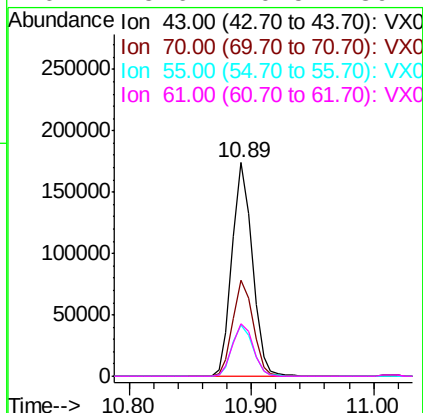
#74
N-amvl acetate
Concen: 55.189 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964MSD

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	45.4	36.4	54.6	
55	25.0	20.2	30.2	
61	25.6	20.5	30.7	

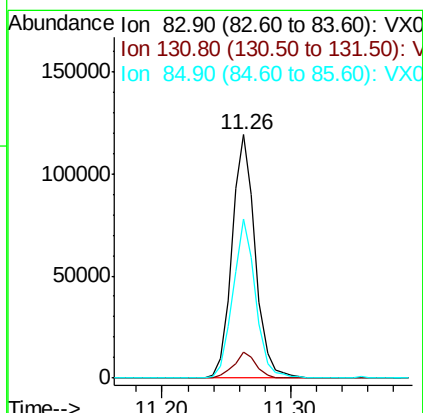
Manual Integrations
APPROVED

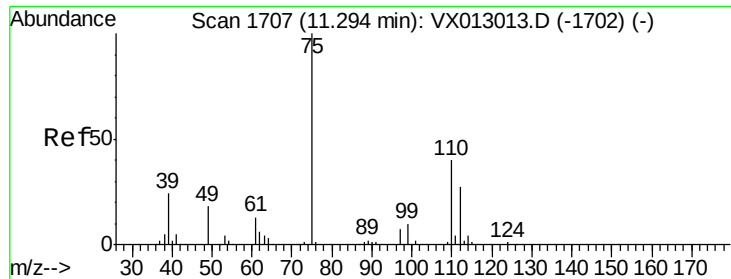
MMDadoda
10/14/2019 1:06:00 PM



#75
1,1,2,2-Tetrachloroethane
Concen: 53.841 ug/l
RT: 11.26 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	10.1	5.1	15.3	
85	64.1	32.1	96.5	





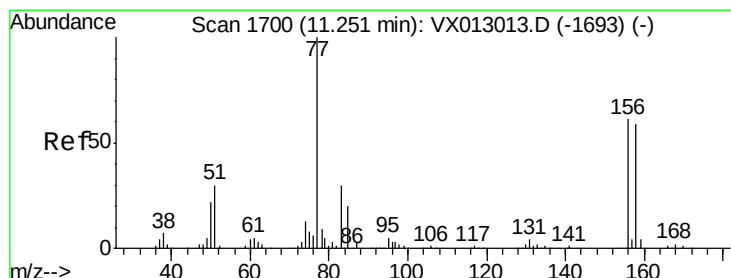
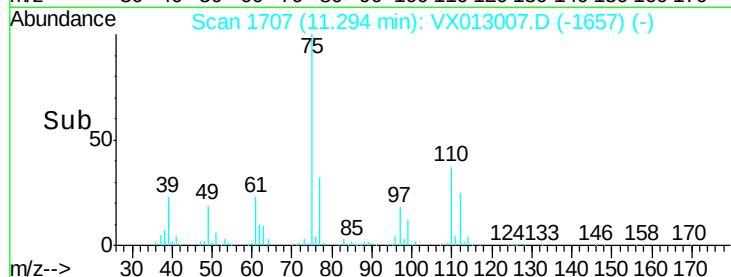
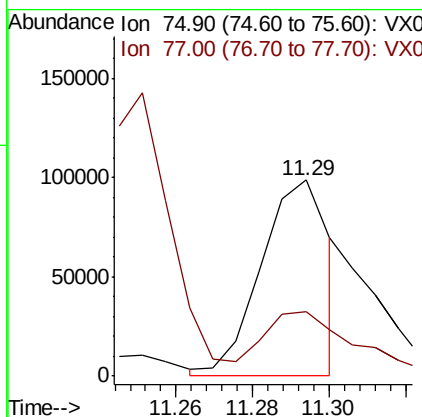
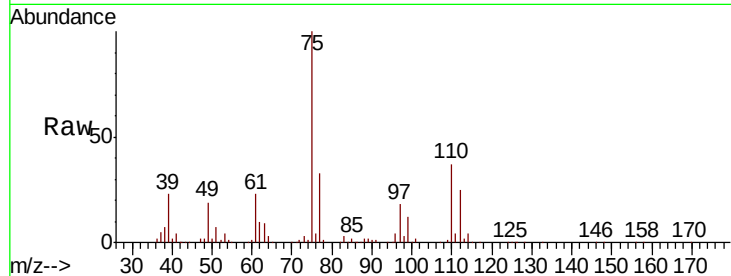
#76
 1,2,3-Trichloropropane
 Concen: 48.093 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1964MSD

Tot Ion: 75 Resp: 121356
 Ion Ratio Lower Upper
 75 100
 77 44.2 22.9 68.8

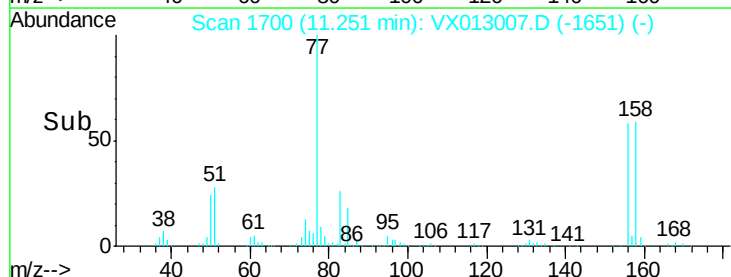
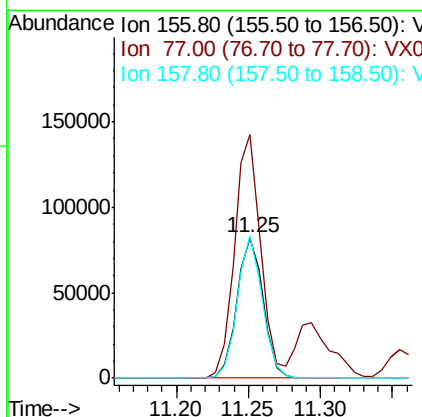
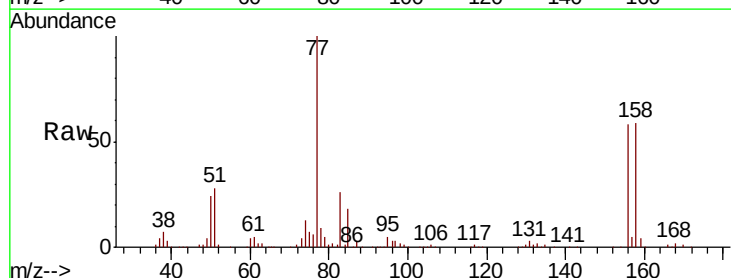
Manual Integrations
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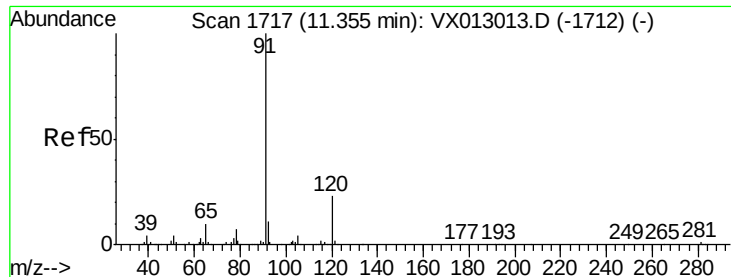
MMDadoda
 10/14/2019 1:06:00 PM



#77
 Bromobenzene
 Concen: 52.549 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Tgt Ion: 156 Resp: 103577
 Ion Ratio Lower Upper
 156 100
 77 175.1 83.7 251.0
 158 97.3 48.6 145.9





#78

n-propylbenzene

Concen: 52.708 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW1964MSD

Tot Ion: 91 Resp: 485125

Ion Ratio Lower Upper

91 100

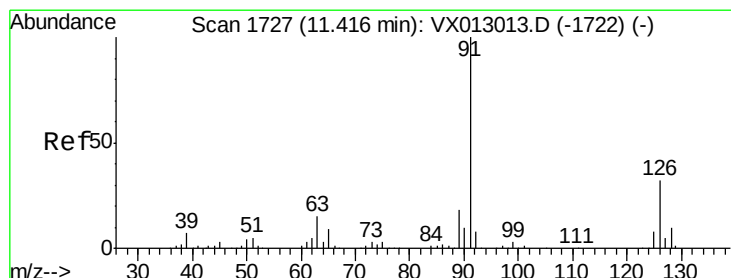
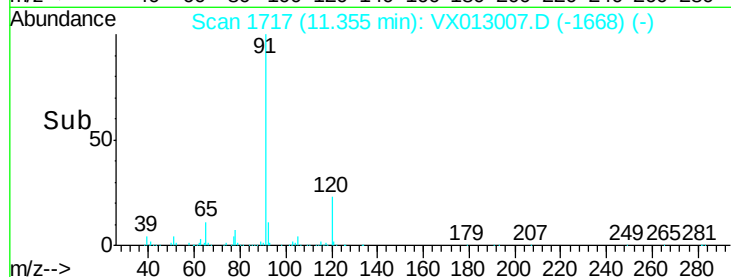
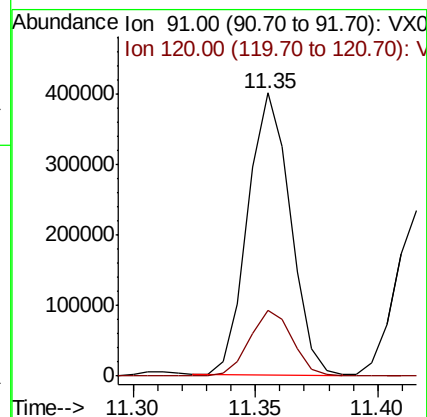
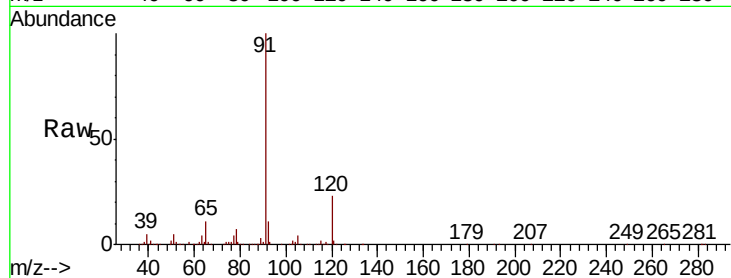
120 23.5 11.7 35.1

Manual Integrations

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#79

2-Chlorotoluene

Concen: 50.975 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013007.D

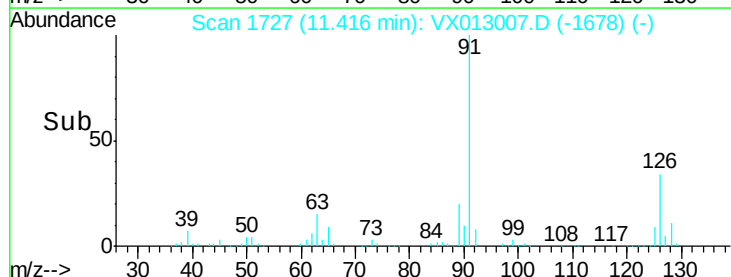
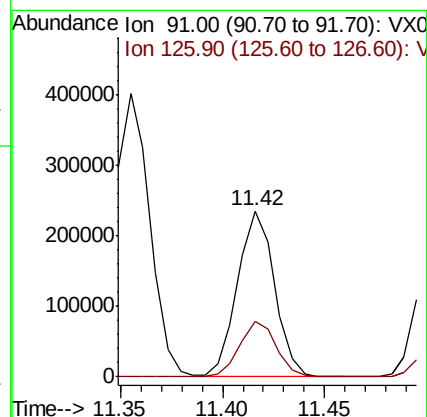
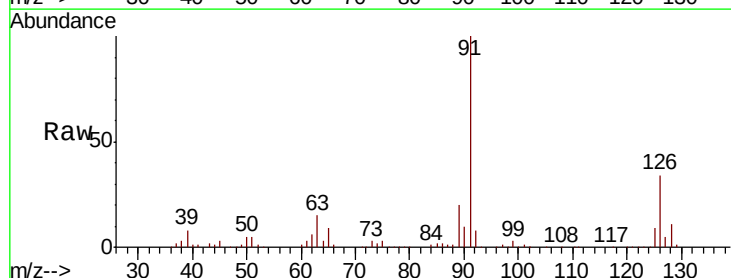
Acq: 10 Oct 2019 19:36

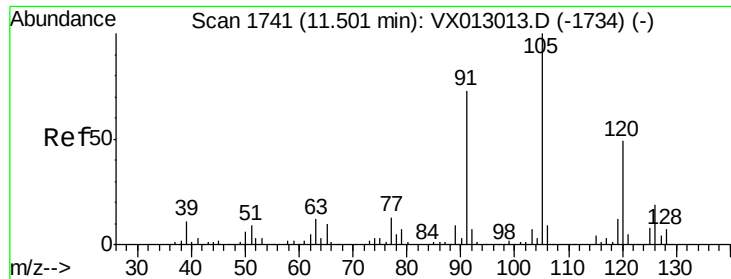
Tgt Ion: 91 Resp: 294861

Ion Ratio Lower Upper

91 100

126 33.3 16.3 48.8





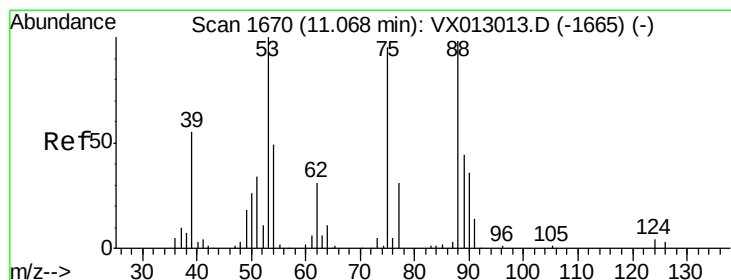
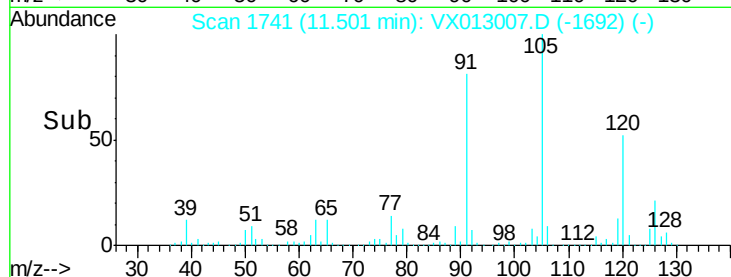
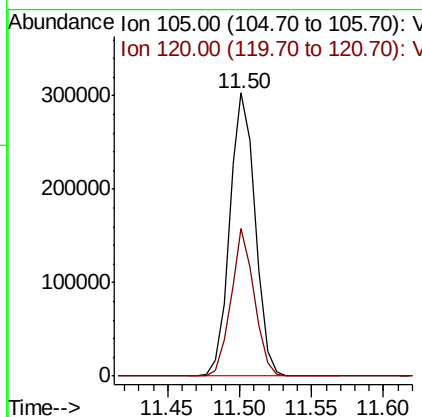
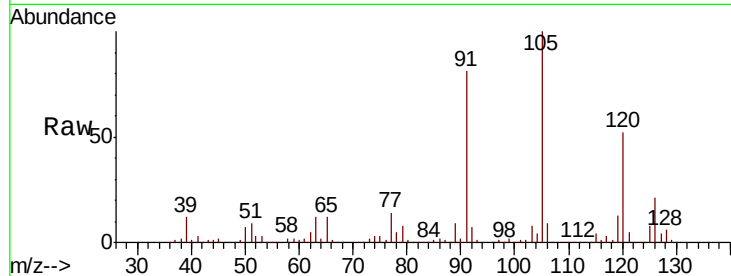
#80
1,3,5-Trimethylbenzene
Concen: 53.701 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.8	74.3

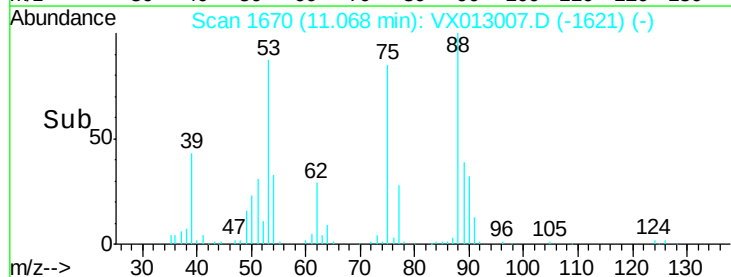
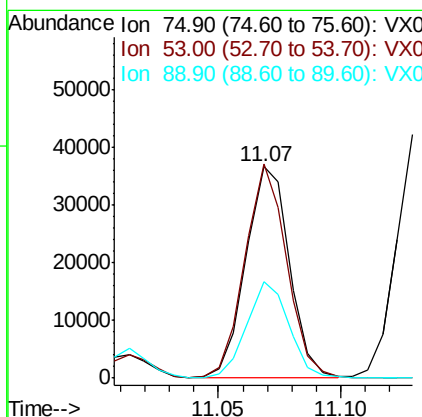
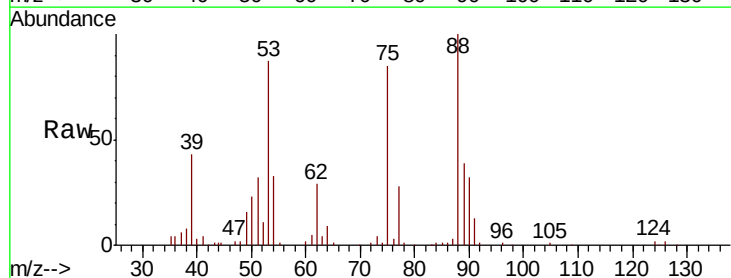
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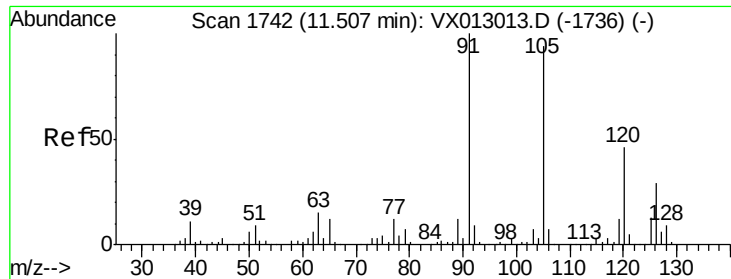
MMDadoda
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#81
trans-1,4-Dichloro-2-butene
Concen: 46.309 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
53	97.7	78.5	117.7
89	44.8	37.4	56.2





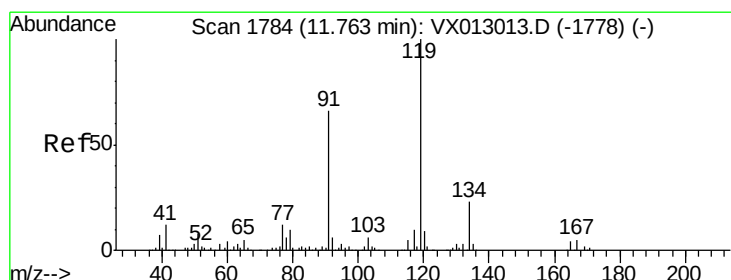
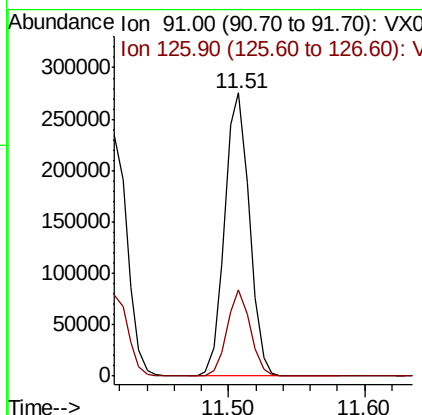
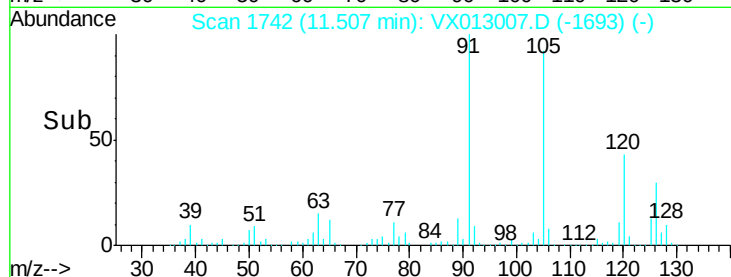
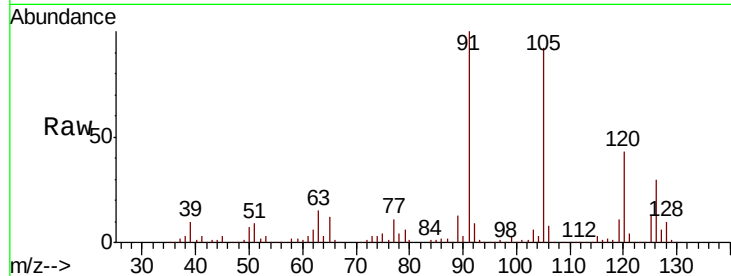
#82
4-Chlorotoluene
Concen: 52.346 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964MSD

Tot Ion: 91 Resp: 347058
Ion Ratio Lower Upper
91 100
126 28.9 14.2 42.6

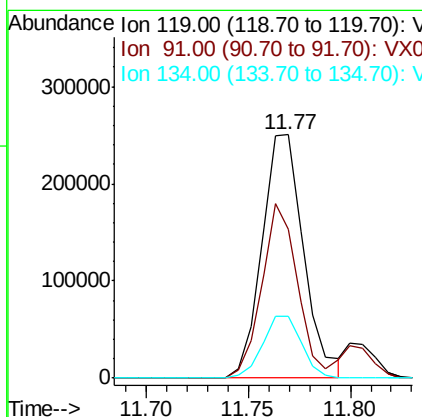
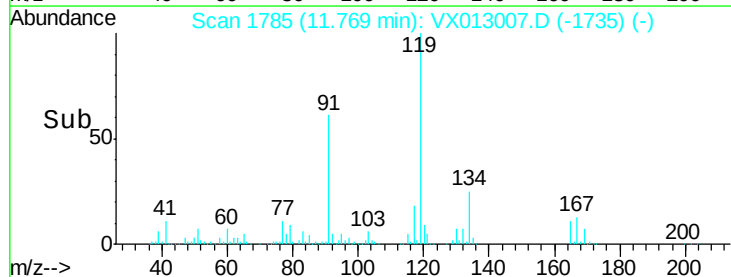
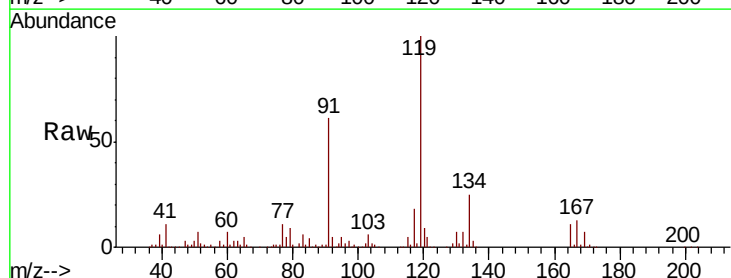
Manual Integrations
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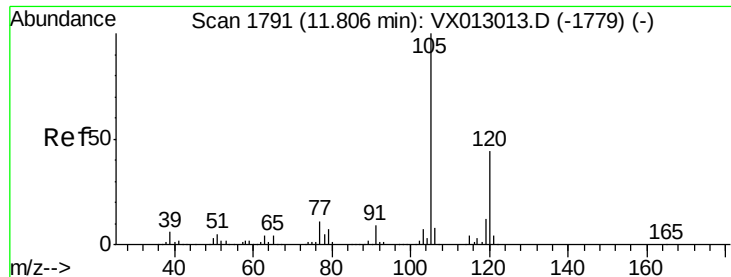
MMDadoda
10/14/2019 1:06:00 PM



#83
tert-Butylbenzene
Concen: 52.374 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion: 119 Resp: 356828
Ion Ratio Lower Upper
119 100
91 61.3 29.3 87.9
134 23.9 11.5 34.4





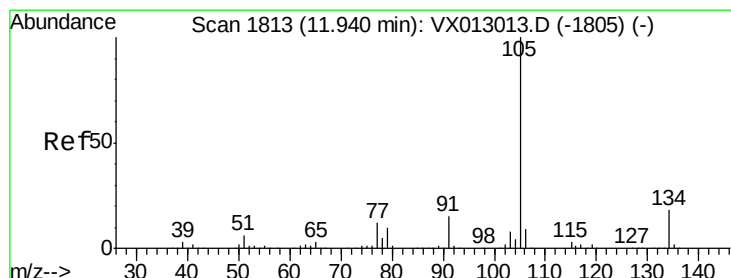
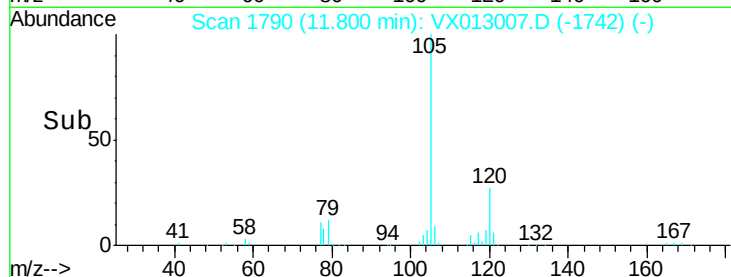
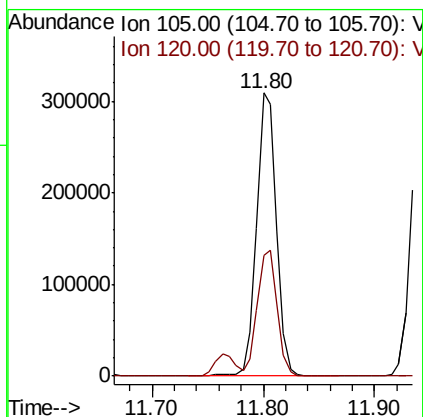
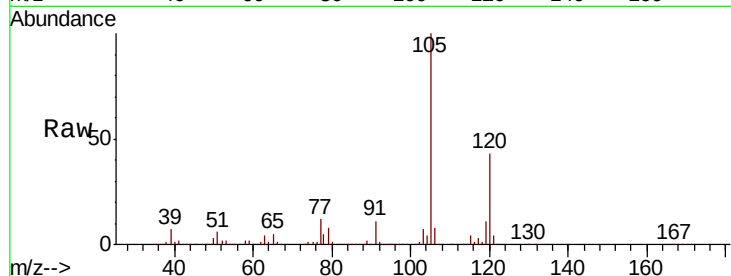
#84
 1,2,4-Trimethylbenzene
 Concen: 54.105 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1964MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.8	65.3

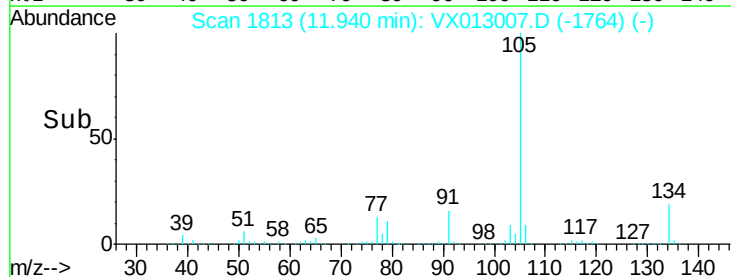
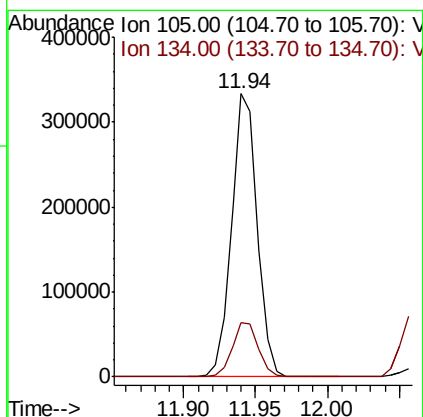
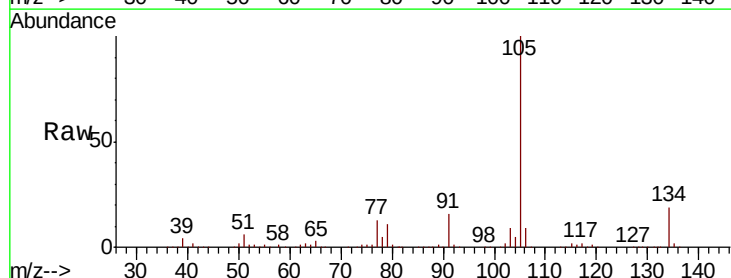
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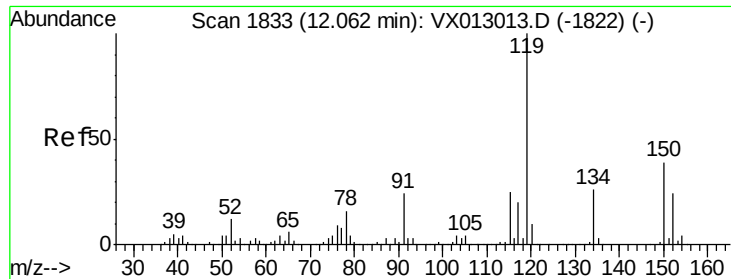
MMDadoda
 10/14/2019 1:06:00 PM



#85
 sec-Butylbenzene
 Concen: 52.608 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.0	30.0





#86

p-Isopropyltoluene

Concen: 52.291 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW1964MSD

Tot Ion:119 Resp: 382802

Ion Ratio Lower Upper

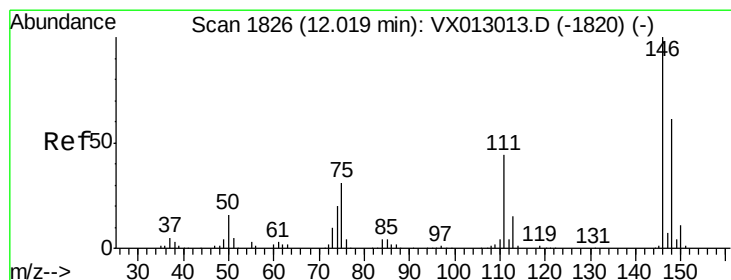
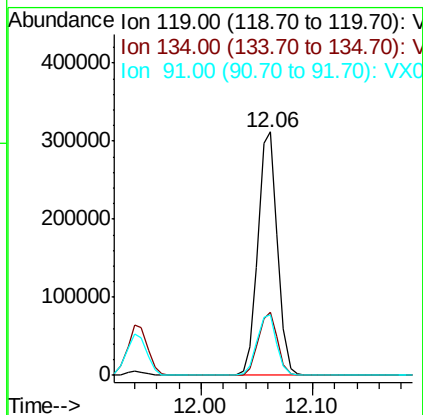
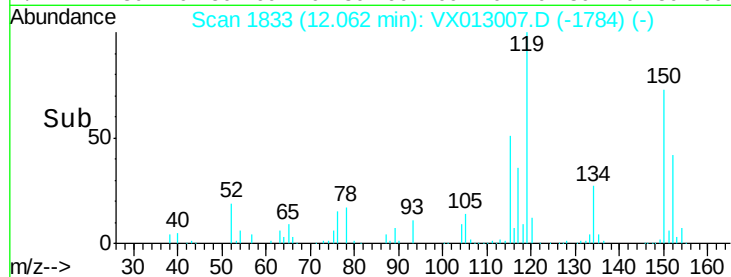
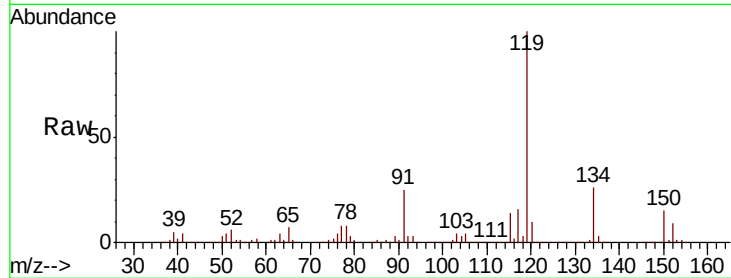
119 100

134 25.5 12.6 37.8

91 25.1 12.4 37.4

Manual Integrations
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#87

1,3-Dichlorobenzene

Concen: 51.589 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

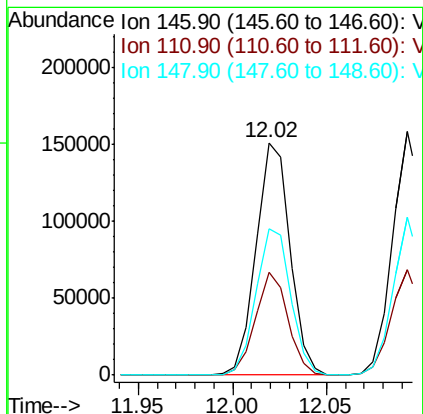
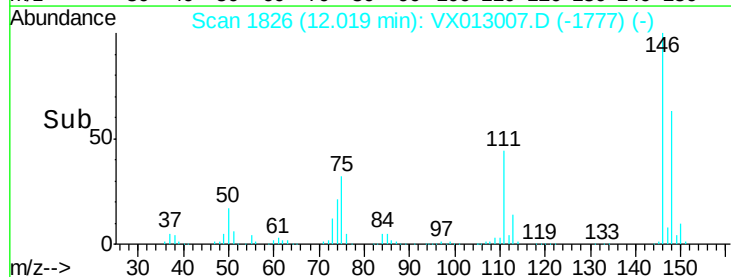
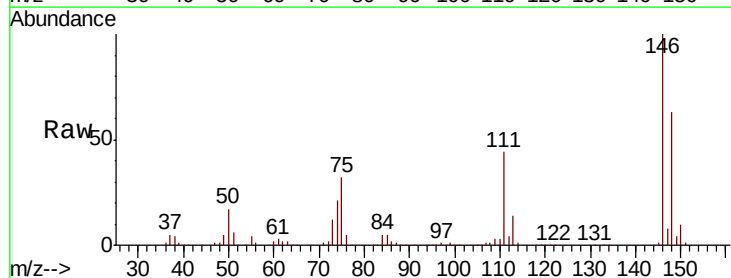
Tgt Ion:146 Resp: 188831

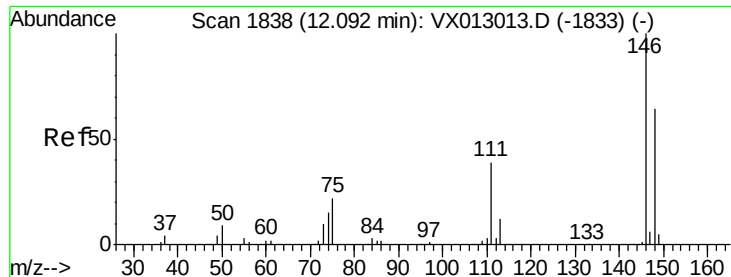
Ion Ratio Lower Upper

146 100

111 42.7 21.1 63.4

148 64.5 31.6 95.0





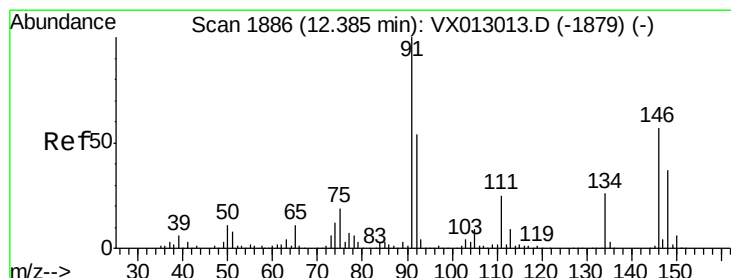
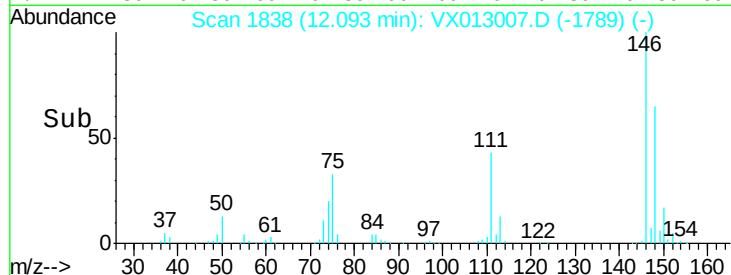
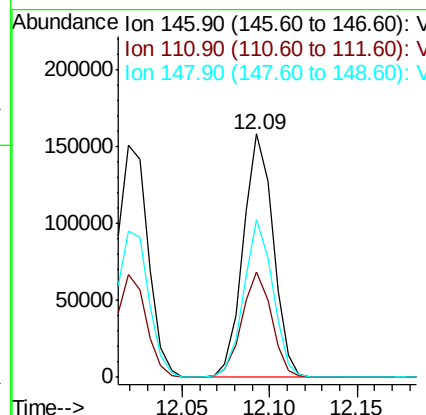
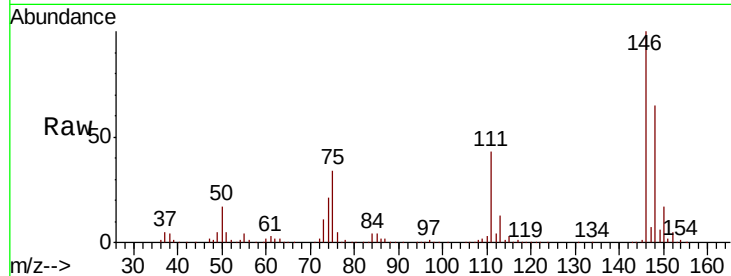
#88
 1,4-Dichlorobenzene
 Concen: 51.044 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1964MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.4	64.3
148	62.7	32.1	96.5

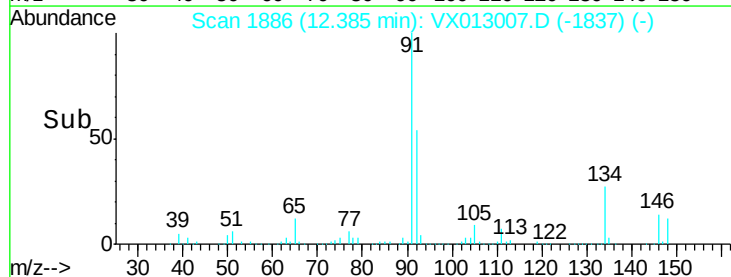
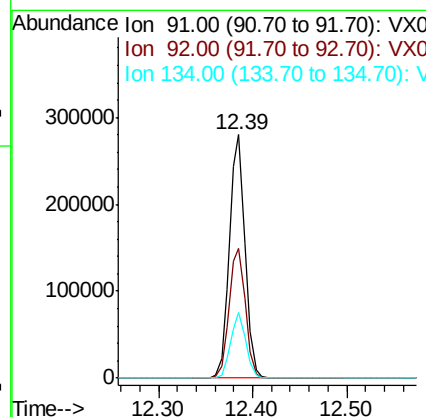
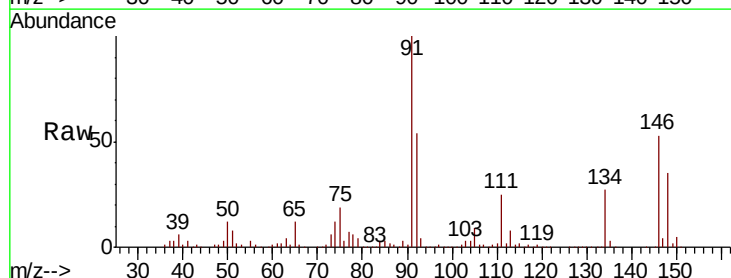
Manual Integrations
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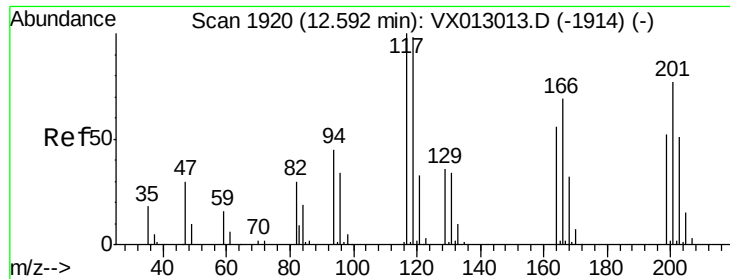
MMDadoda
 10/14/2019 1:06:00 PM



#89
 n-Butylbenzene
 Concen: 52.059 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.7	27.5	82.5
134	26.2	12.9	38.7





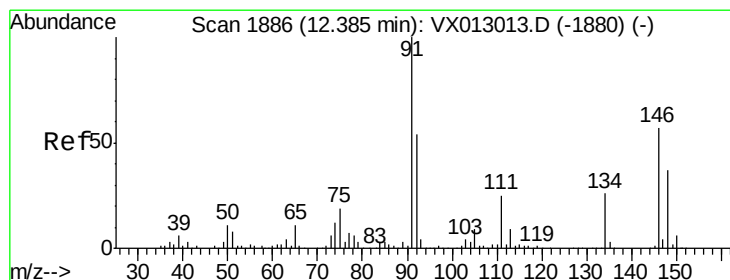
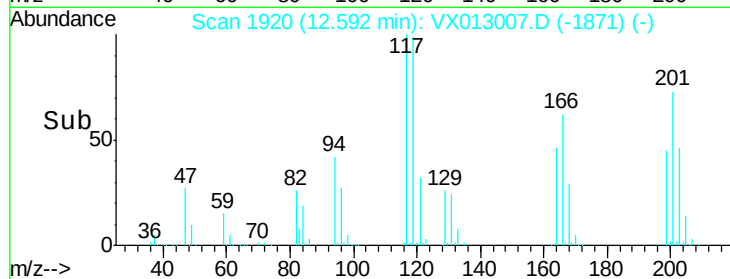
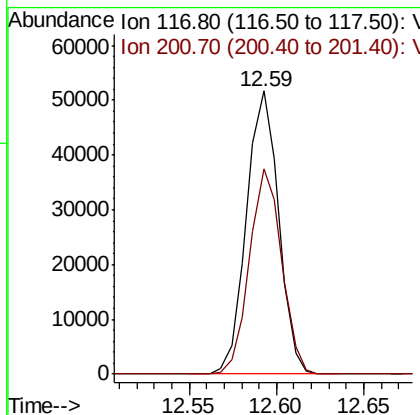
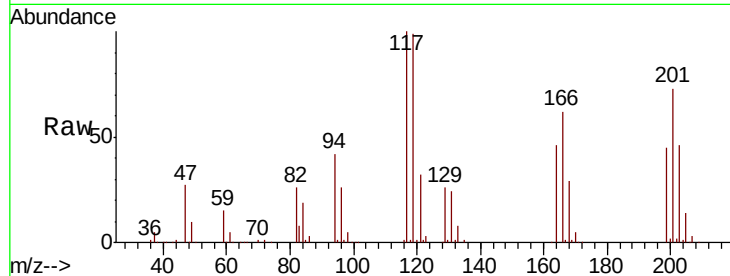
#90
Hexachloroethane
Concen: 48.854 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1964MSD

Tot Ion:117 Resp: 66171
Ion Ratio Lower Upper
117 100
201 72.6 36.9 110.7

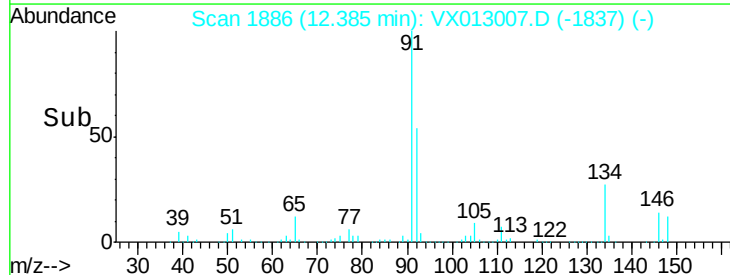
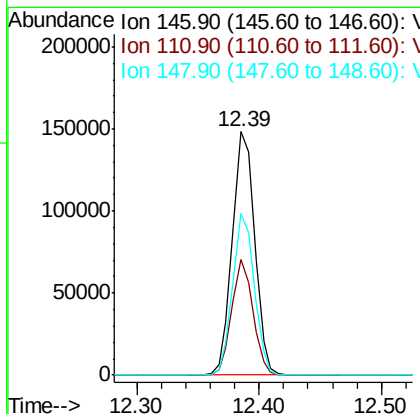
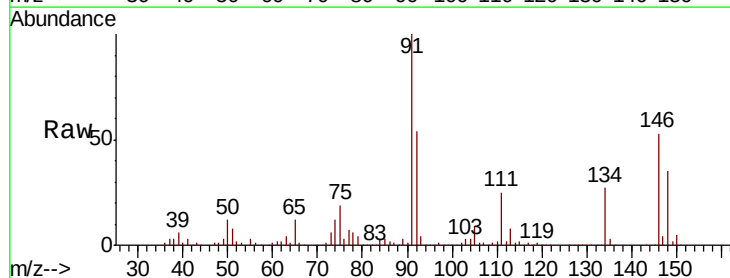
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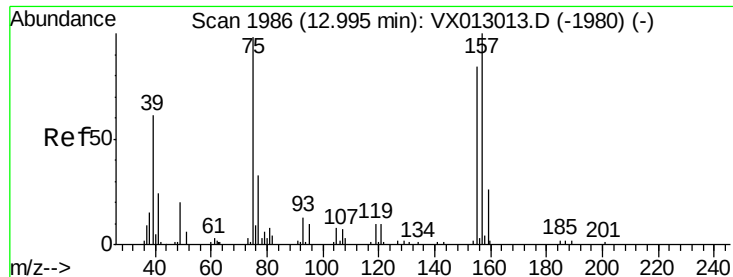
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#91
1,2-Dichlorobenzene
Concen: 52.123 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013007.D
Acq: 10 Oct 2019 19:36

Tgt Ion:146 Resp: 187036
Ion Ratio Lower Upper
146 100
111 45.0 22.7 68.0
148 64.1 31.6 94.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 56.831 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW1964MSD

Tot Ion: 75 Resp: 37057

Ion Ratio Lower Upper

75 100

155 79.9 43.0 128.8

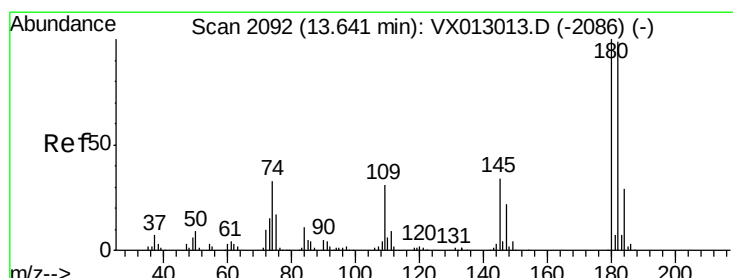
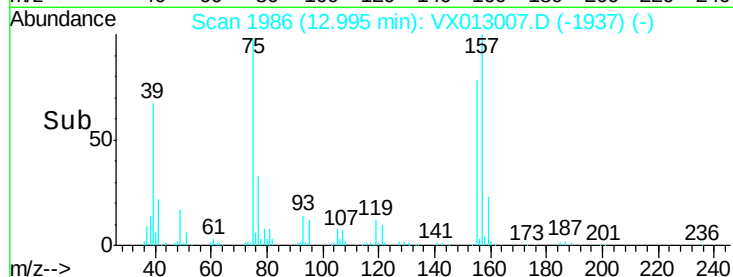
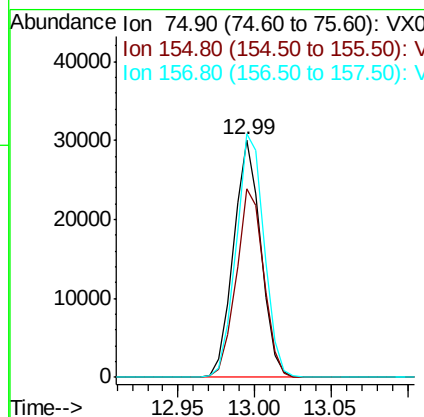
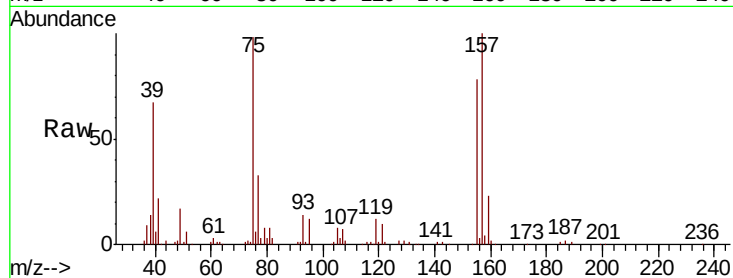
157 105.1 54.1 162.3

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#93

1,2,4-Trichlorobenzene

Concen: 50.709 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

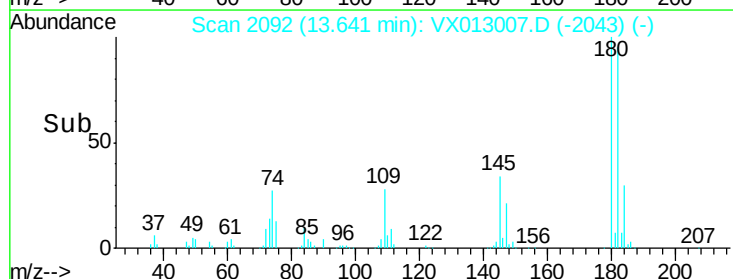
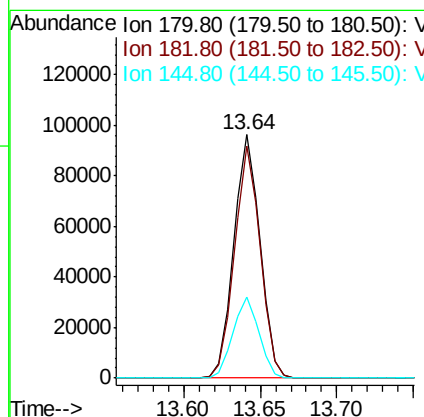
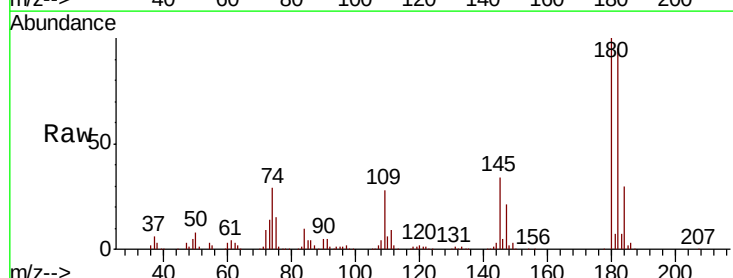
Tgt Ion: 180 Resp: 113986

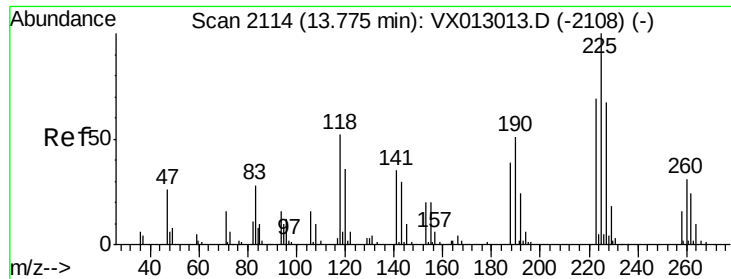
Ion Ratio Lower Upper

180 100

182 93.8 46.8 140.4

145 33.2 16.2 48.6





#94

Hexachlorobutadiene

Concen: 48.223 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.01 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Instrument :

MSVOA_X

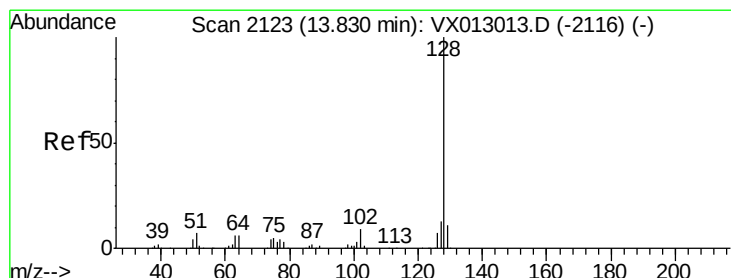
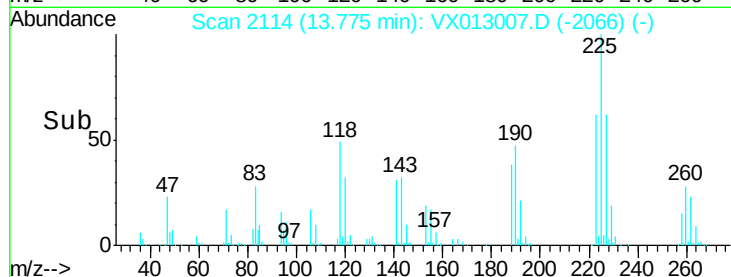
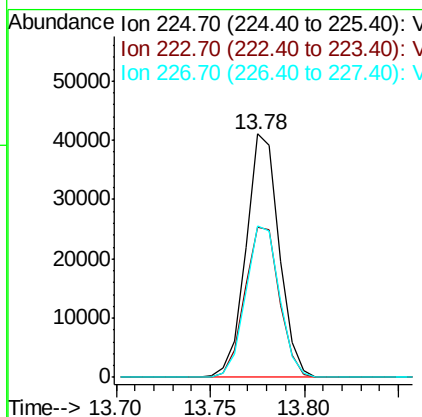
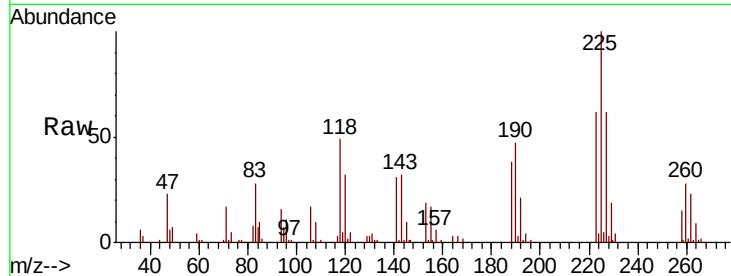
ClientSampleId :

FA19-JMW1964MSD

Tot Ion:	225	Resp:	50026
Ion Ratio	Lower	Upper	
225	100		
223	64.4	31.1	93.2
227	63.6	32.3	96.9

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#95

Naphthalene

Concen: 51.422 ug/l

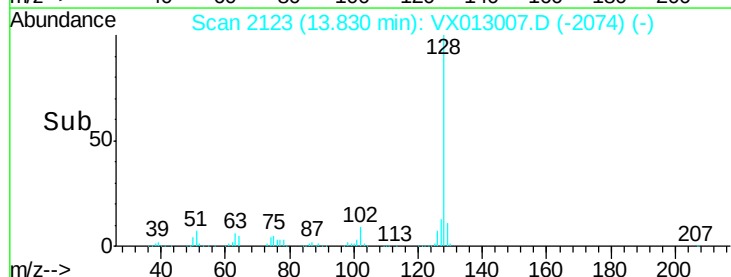
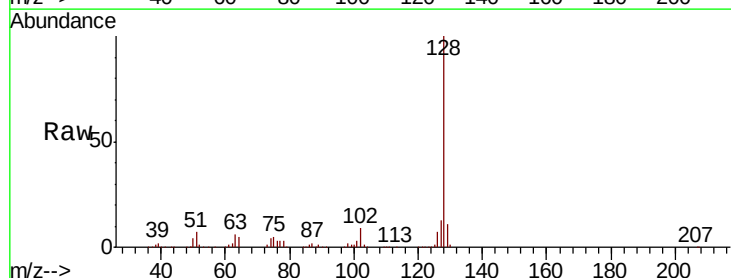
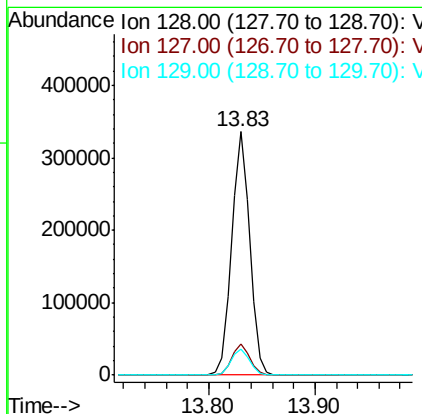
RT: 13.83 min Scan# 2123

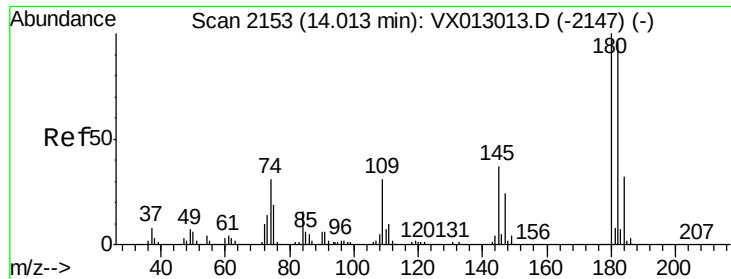
Delta R.T. 0.00 min

Lab File: VX013007.D

Acq: 10 Oct 2019 19:36

Tgt Ion:	128	Resp:	400688
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.9	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 49.845 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX013007.D
 Acq: 10 Oct 2019 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1964MSD

Tot Ion:	180	Resp:	115786
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.5	142.5
145	35.7	17.4	52.3

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 1:06:00 PM

