

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101119\
 Data File : VX013030.D
 Acq On : 11 Oct 2019 20:36
 Operator : JC/SP
 Sample : K5313-09MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW3202MS

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 10:39:40 AM

Quant Time: Oct 12 05:47:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	160530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	273686	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	117879	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	105719	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
35) Dibromofluoromethane	5.49	113	84630	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
50) Toluene-d8	8.71	98	317227	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	11.13	95	124982	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	71806	43.883	ug/l	99
3) Chloromethane	1.32	50	90457	50.795	ug/l	98
4) Vinyl Chloride	1.40	62	118784	64.624	ug/l	98
5) Bromomethane	1.63	94	34347	44.953	ug/l	95
6) Chloroethane	1.71	64	57183	50.924	ug/l	99
7) Trichlorofluoromethane	1.92	101	122604	49.420	ug/l	100
8) Diethyl Ether	2.18	74	52608	52.536	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	72451	45.124	ug/l	99
10) Methyl Iodide	2.50	142	95450	52.223	ug/l	99
11) Tert butyl alcohol	3.03	59	115354	216.878	ug/l	100
12) 1,1-Dichloroethene	2.36	96	82147	50.638	ug/l	97
13) Acrolein	2.28	56	98845	261.504	ug/l	99
14) Allyl chloride	2.72	41	146182	50.600	ug/l	98
15) Acrylonitrile	3.13	53	276686	274.501	ug/l	98
16) Acetone	2.44	43	227183	214.813	ug/l	100
17) Carbon Disulfide	2.56	76	213900	46.242	ug/l	100
18) Methyl Acetate	2.76	43	122008	48.672	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	304076	54.278	ug/l #	54
20) Methylene Chloride	2.84	84	98050	50.447	ug/l #	88
21) trans-1,2-Dichloroethene	3.16	96	91721	52.751	ug/l	97
22) Diisopropyl ether	3.84	45	298095	53.848	ug/l	91
23) Vinyl Acetate	3.80	43	1255369	262.689	ug/l	100
24) 1,1-Dichloroethane	3.69	63	165407	53.112	ug/l	99
25) 2-Butanone	4.66	43	368547	251.182	ug/l	100
26) 2,2-Dichloropropane	4.58	77	117129	44.725	ug/l	95
27) cis-1,2-Dichloroethene	4.58	96	171819	85.729	ug/l	95
28) Bromochloromethane	5.00	49	48959	52.627	ug/l	98
29) Tetrahydrofuran	5.12	42	238673	264.342	ug/l	98
30) Chloroform	5.20	83	169092	52.915	ug/l	98
31) Cyclohexane	5.57	56	482209	165.587	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	144727	53.452	ug/l	98
36) 1,1-Dichloropropene	5.79	75	122681	50.984	ug/l	98
37) Ethyl Acetate	4.82	43	142317	52.893	ug/l	99
38) Carbon Tetrachloride	5.78	117	120709	51.538	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	432028	148.049	ug/l	98
40) Benzene	6.14	78	630997	88.786	ug/l	98
41) Methacrylonitrile	5.03	41	78655	53.200	ug/l	99
42) 1,2-Dichloroethane	6.18	62	139169	54.572	ug/l	99
43) Isopropyl Acetate	6.43	43	232625	53.866	ug/l	100
44) Trichloroethene	7.21	130	100209	50.848	ug/l	95
45) 1,2-Dichloropropane	7.51	63	100300	55.374	ug/l	99
46) Dibromomethane	7.65	93	66255	54.901	ug/l	99
47) Bromodichloromethane	7.89	83	128828	54.702	ug/l	99
48) Methyl methacrylate	7.76	41	125161	59.473	ug/l	90
49) 1,4-Dioxane	7.73	88	48647	866.246	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	730890	271.449	ug/l	100
52) Toluene	8.78	92	331195	72.843	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	140083	47.764	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	150369	51.913	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	96870	53.837	ug/l	98
56) Ethyl methacrylate	9.17	69	166691	51.671	ug/l	97
57) 1,3-Dichloropropane	9.37	76	165403	53.141	ug/l	99
59) 2-Hexanone	9.49	43	548931	261.897	ug/l	99
60) Dibromochloromethane	9.58	129	98502	49.223	ug/l	100
61) 1,2-Dibromoethane	9.67	107	103440	54.649	ug/l	99
64) Tetrachloroethene	9.33	164	81160	46.938	ug/l	96
65) Chlorobenzene	10.14	112	256081	51.728	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	92617	53.958	ug/l	99
67) Ethyl Benzene	10.25	91	868414	98.756	ug/l	99
68) m/p-Xylenes	10.35	106	728261	221.686	ug/l	99
69) o-Xylene	10.70	106	189772	59.238	ug/l	98
70) Stvrene	10.71	104	296300	54.406	ug/l	99
71) Bromoform	10.85	173	67904	46.661	ug/l #	99
73) Isopropylbenzene	11.01	105	583066	67.277	ug/l	100
74) N-amyl acetate	10.89	43	196210	52.567	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	154494	53.596	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	143548m	54.904	ug/l	
77) Bromobenzene	11.25	156	105045	51.435	ug/l	98
78) n-propylbenzene	11.35	91	682719	71.590	ug/l	100
79) 2-Chlorotoluene	11.42	91	359573	59.995	ug/l	92
80) 1,3,5-Trimethylbenzene	11.50	105	604487	83.531	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	43363	43.249	ug/l	98
82) 4-Chlorotoluene	11.51	91	379325	55.218	ug/l	95
83) tert-Butylbenzene	11.77	119	375811	53.236	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	920000	125.526	ug/l	98
85) sec-Butylbenzene	11.94	105	481444	58.867	ug/l	99
86) p-Isopropyltoluene	12.06	119	419887	55.356	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	190923	50.342	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	191071	49.746	ug/l	100
89) n-Butylbenzene	12.39	91	384127	60.255	ug/l	95
90) Hexachloroethane	12.59	117	72333	51.425	ug/l	91
91) 1,2-Dichlorobenzene	12.39	146	190770	51.309	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	37429	55.399	ug/l	97
93) 1,2,4-Trichlorobenzene	13.64	180	123655	53.092	ug/l	98

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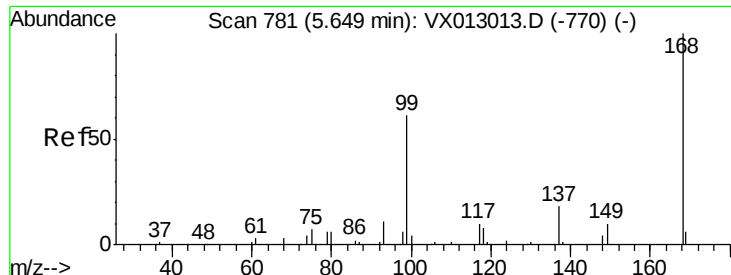
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	52653	48.985	ug/l	99
95) Naphthalene	13.83	128	499496	61.867	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	125836	52.283	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion:168 Resp: 160530

Ion Ratio Lower Upper

168 100

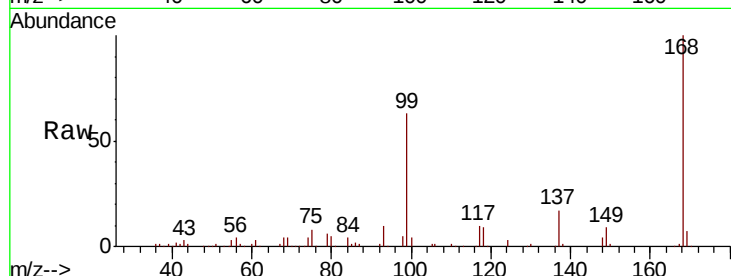
99 63.0 49.4 74.0

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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

50000

40000

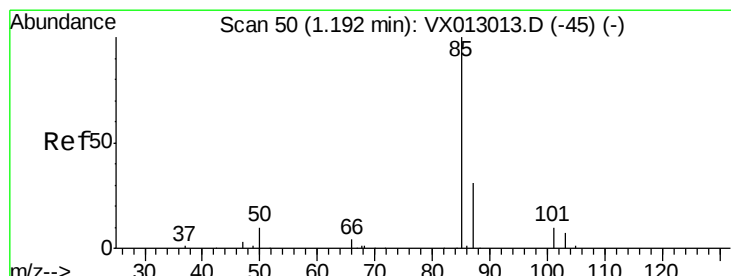
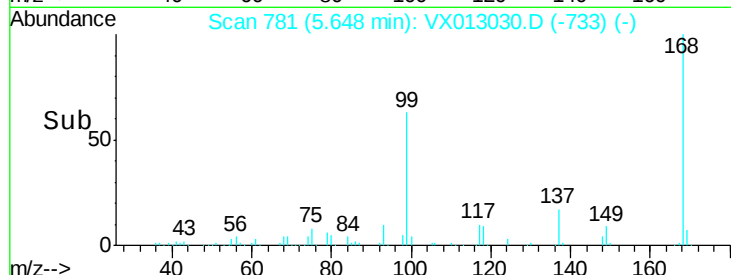
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.883 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX013030.D

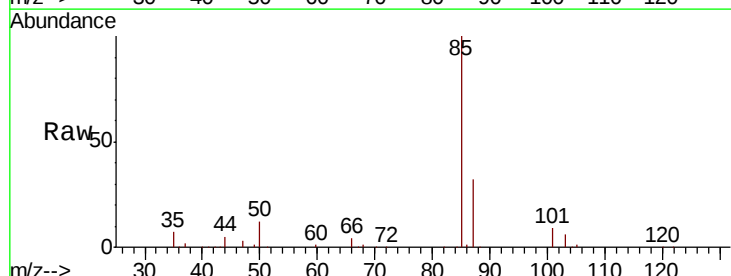
Acq: 11 Oct 2019 20:36

Tgt Ion: 85 Resp: 71806

Ion Ratio Lower Upper

85 100

87 32.2 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

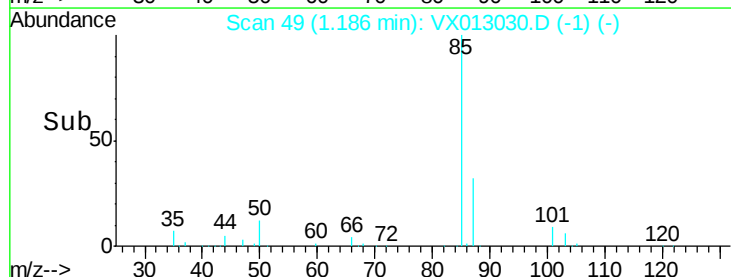
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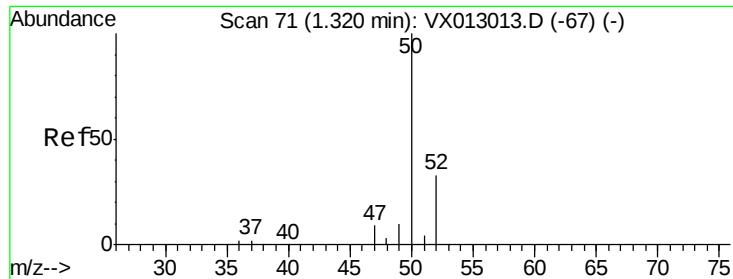
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Time-->





#3

Chloromethane

Concen: 50.795 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion: 50 Resp: 90457

Ion Ratio Lower Upper

50 100

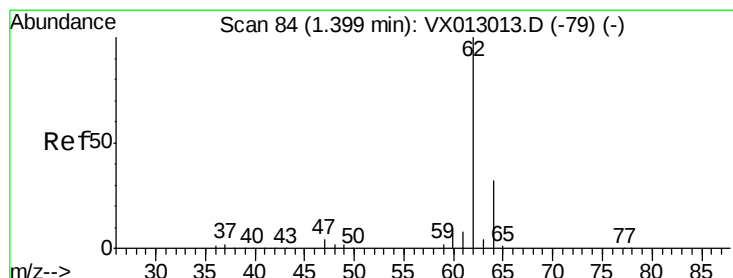
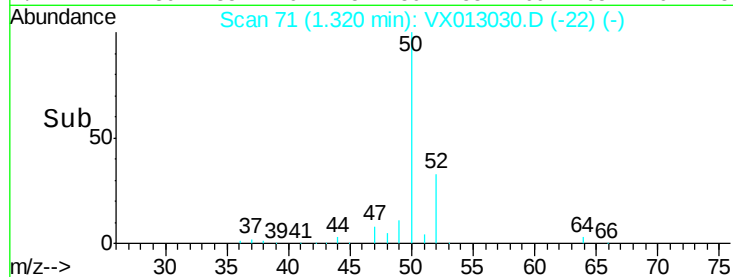
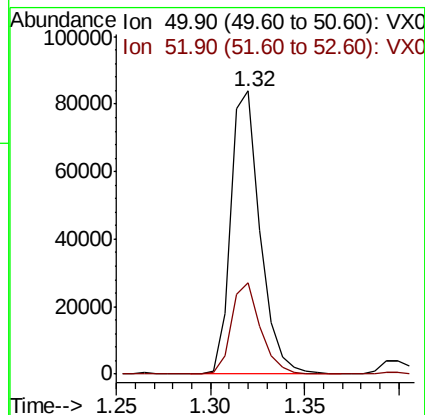
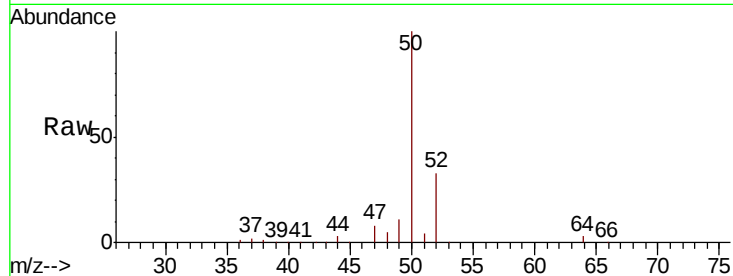
52 32.5 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 64.624 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013030.D

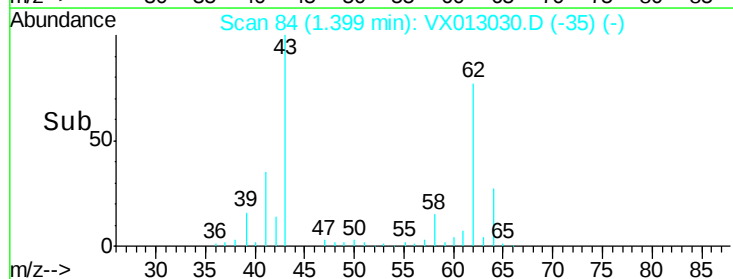
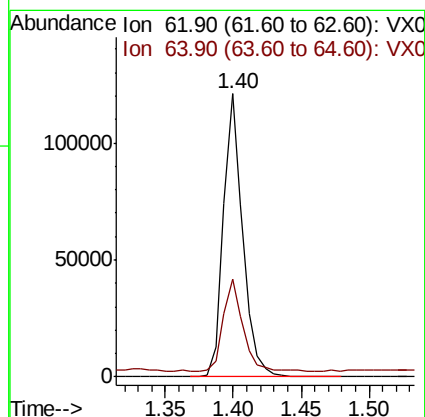
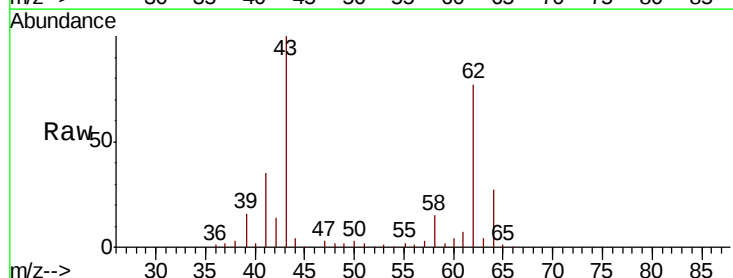
Acq: 11 Oct 2019 20:36

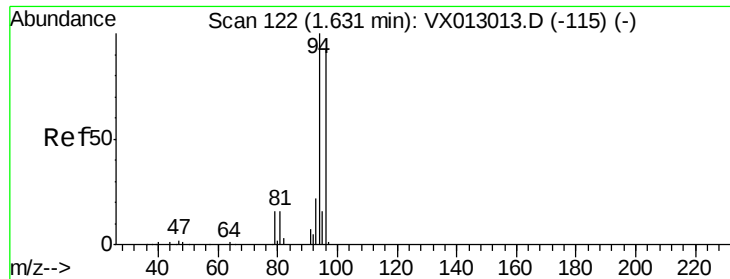
Tgt Ion: 62 Resp: 118784

Ion Ratio Lower Upper

62 100

64 32.5 25.3 37.9





#5

Bromomethane

Concen: 44.953 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion: 94 Resp: 34347

Ion Ratio Lower Upper

94 100

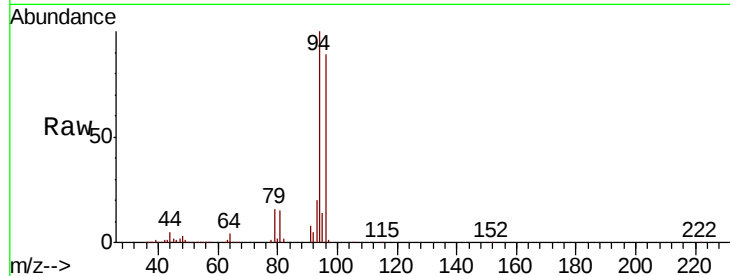
96 88.6 74.7 112.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

40000

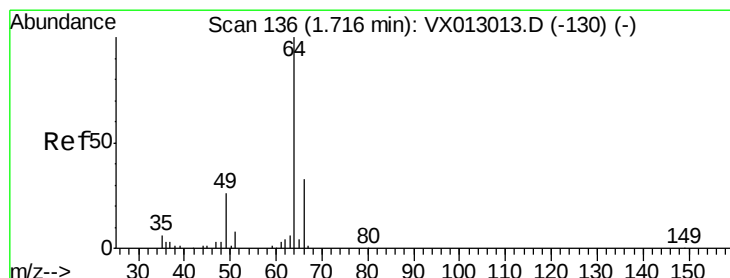
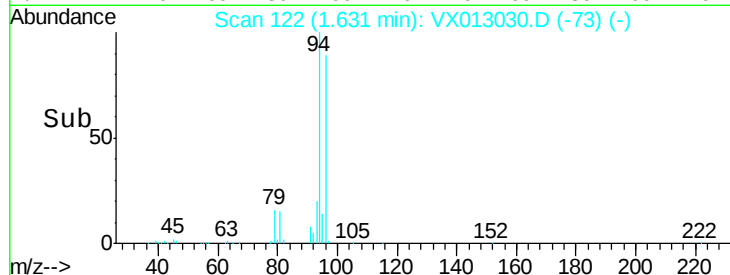
30000

20000

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Time-->



#6

Chloroethane

Concen: 50.924 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013030.D

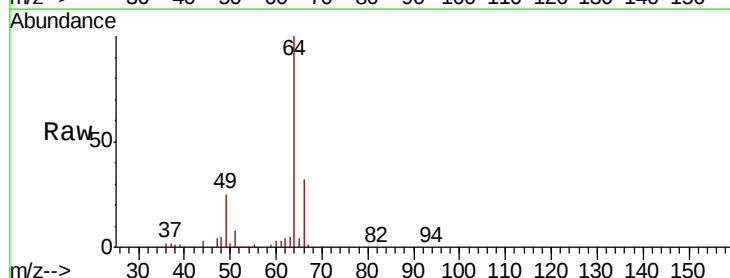
Acq: 11 Oct 2019 20:36

Tgt Ion: 64 Resp: 57183

Ion Ratio Lower Upper

64 100

66 32.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

50000

40000

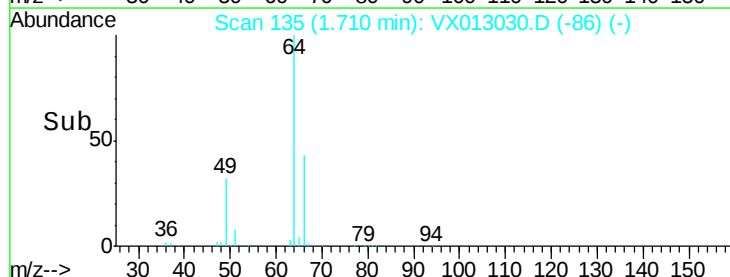
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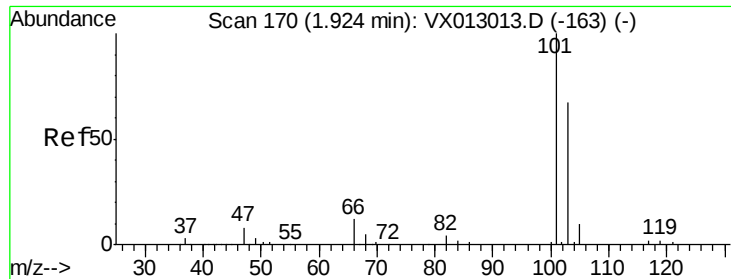
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Time-->





#7

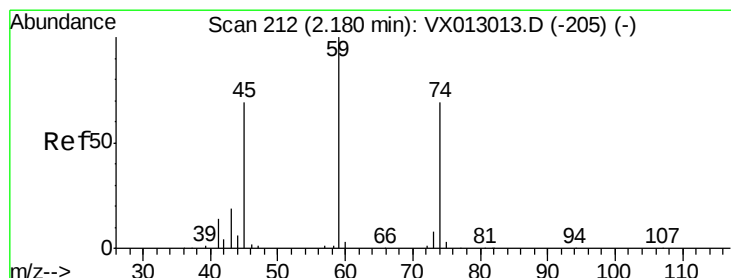
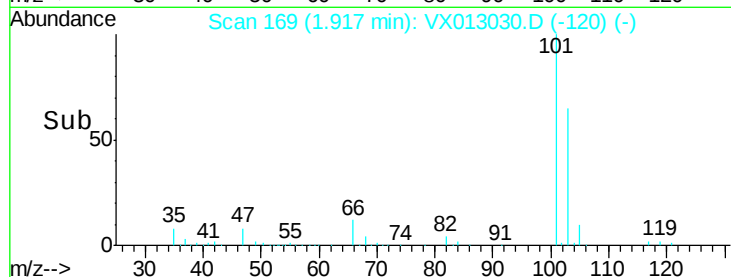
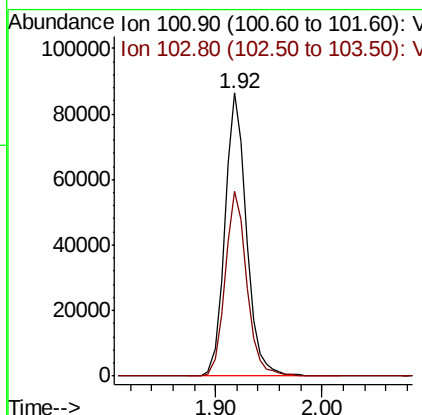
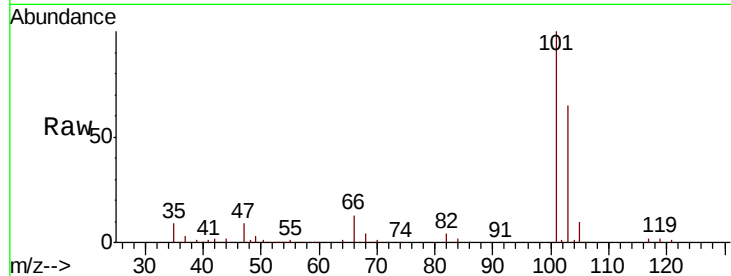
Trichlorofluoromethane
Concen: 49.420 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013030.D
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.5	78.7

Manual Integrations
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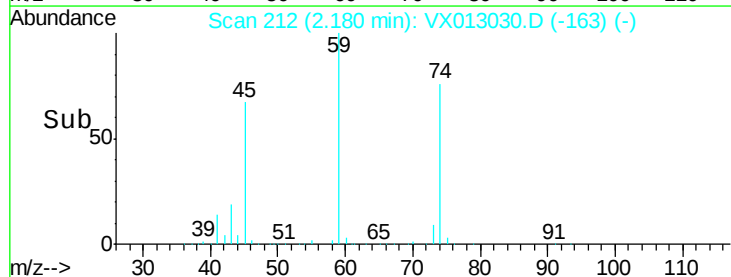
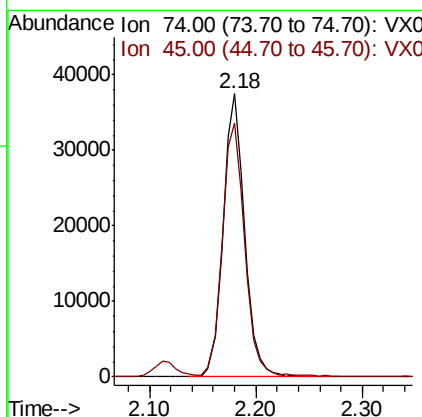
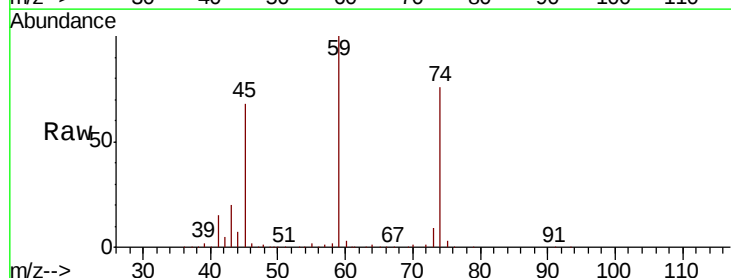
MMDadoda
10/14/2019 10:39:40 AM

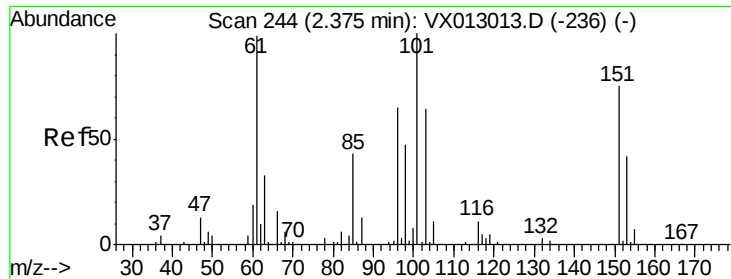


#8

Diethyl Ether
Concen: 52.536 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.0	47.8	143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.124 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

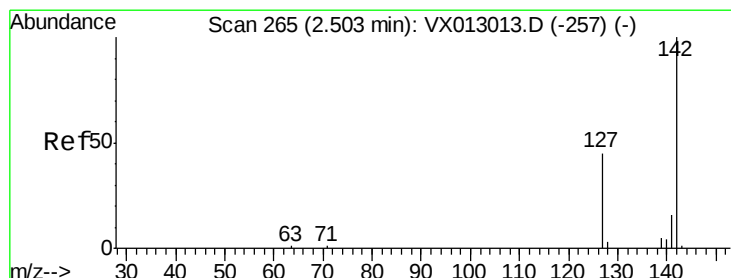
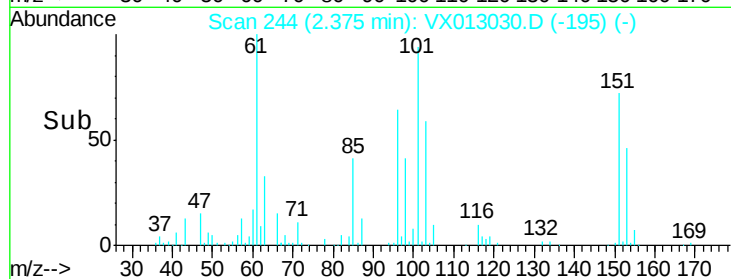
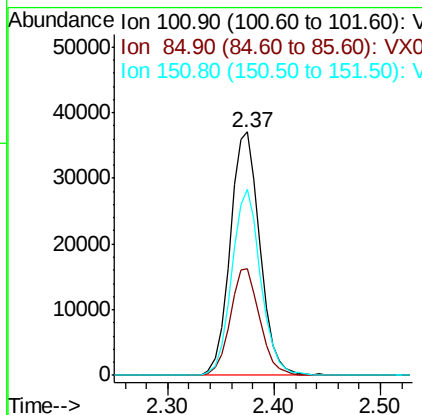
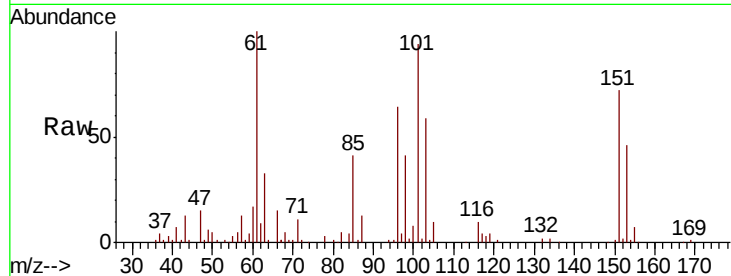
ClientSampleId :

FA19-JMW3202MS

Tot Ion:	101	Resp:	72451
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.2	52.8
151	74.5	60.3	90.5

Manual Integrations
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10/14/2019 10:39:40 AM



#10

Methyl Iodide

Concen: 52.223 ug/l

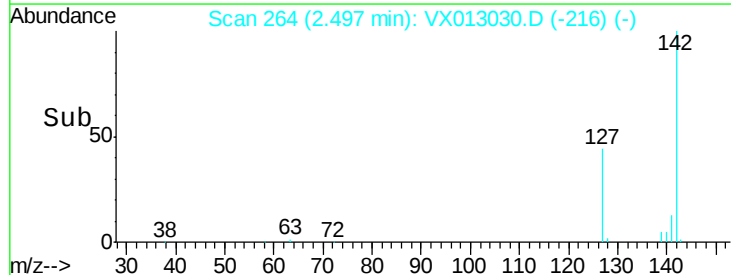
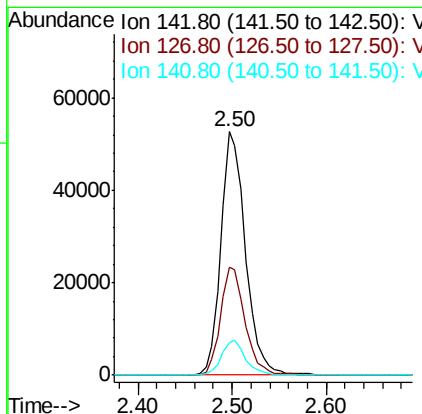
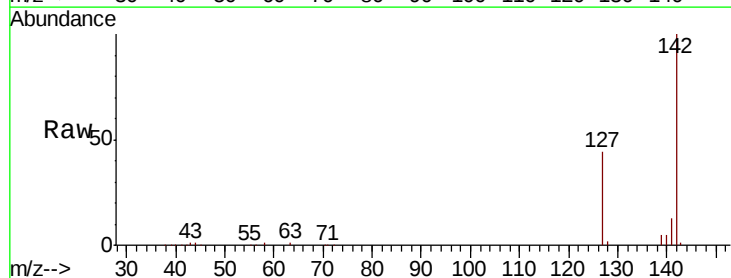
RT: 2.50 min Scan# 264

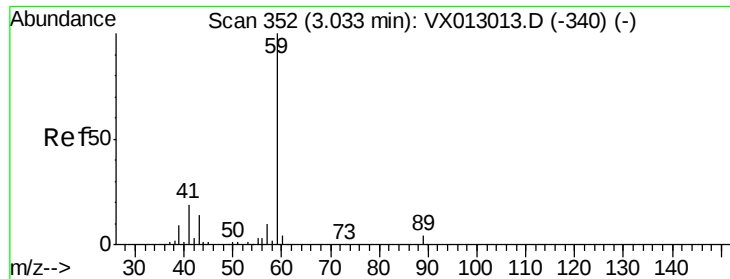
Delta R.T. -0.01 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Tgt Ion:	142	Resp:	95450
Ion Ratio	Lower	Upper	
142	100		
127	44.0	34.9	52.3
141	13.8	11.6	17.4





#11

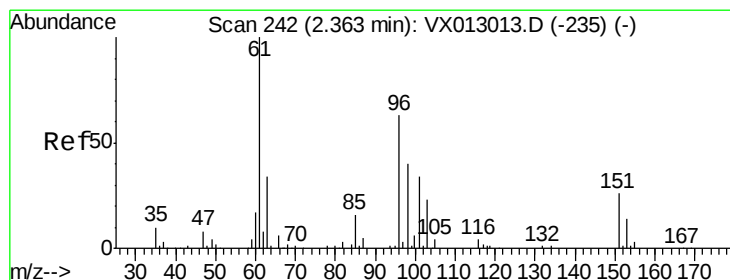
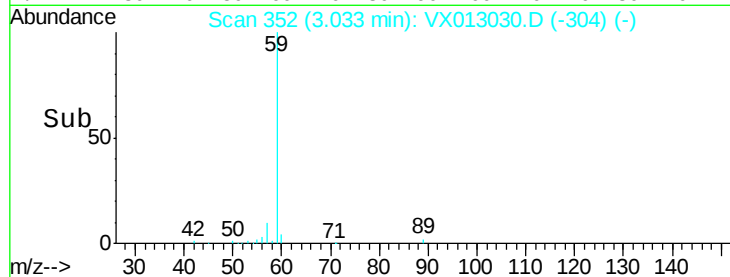
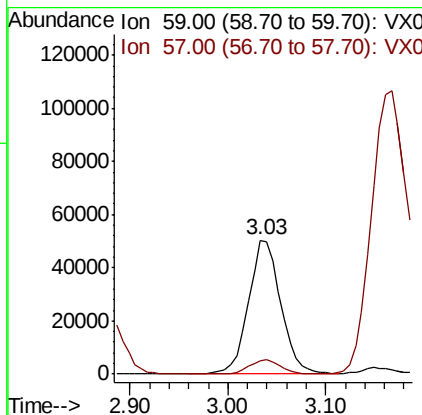
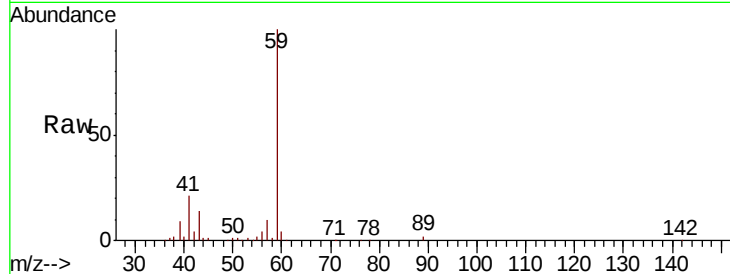
Tert butyl alcohol
Concen: 216.878 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3202MS

Tot Ion	59.00 (58.70 to 59.70): VX0	Resp	115354
Ion Ratio	Lower	Upper	
59	100		
57	10.5	8.3	12.5

Manual Integrations
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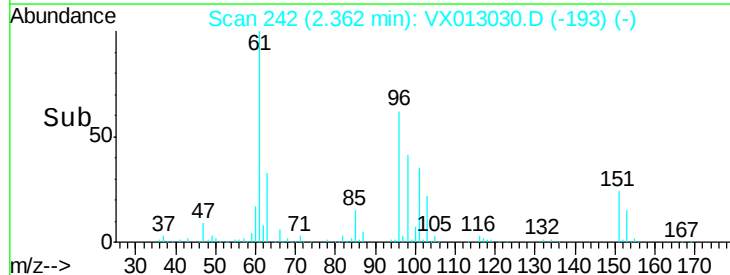
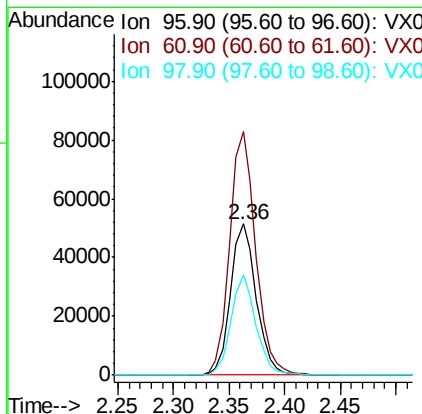
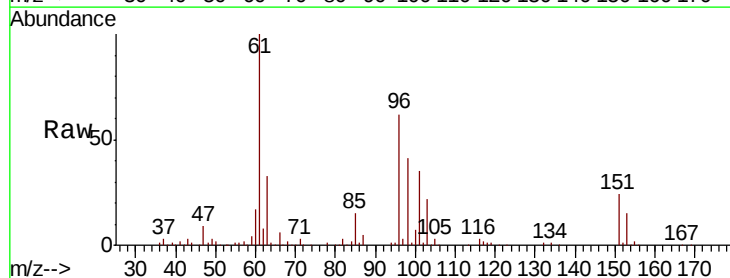
MMDadoda
10/14/2019 10:39:40 AM

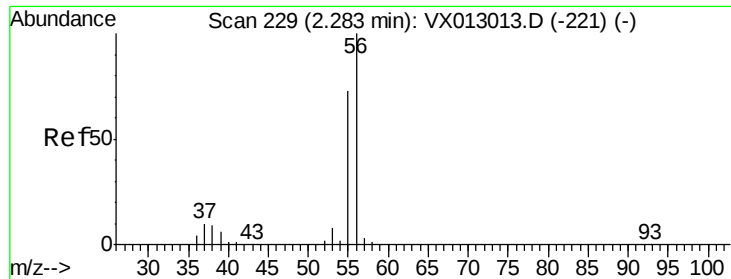


#12

1,1-Dichloroethene
Concen: 50.638 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Tgt Ion	96	Resp	82147
Ion Ratio	Lower	Upper	
96	100		
61	161.1	132.2	198.4
98	66.2	50.5	75.7





#13

Acrolein

Concen: 261.504 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion: 56 Resp: 98845

Ion Ratio Lower Upper

56 100

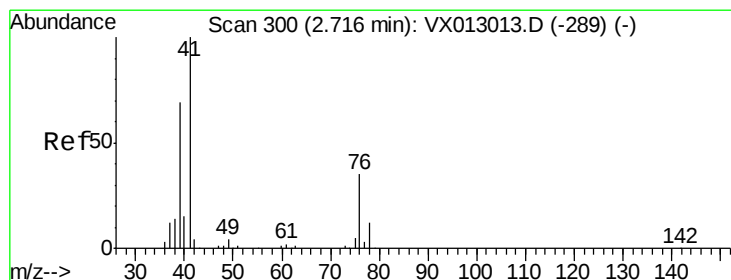
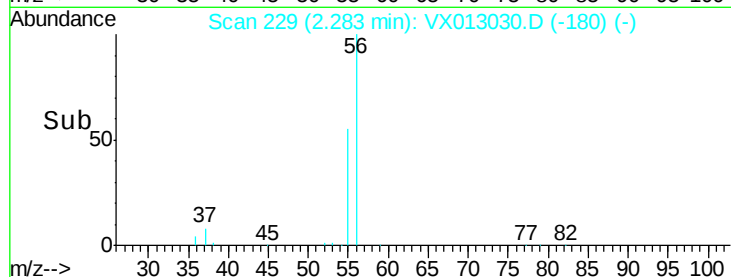
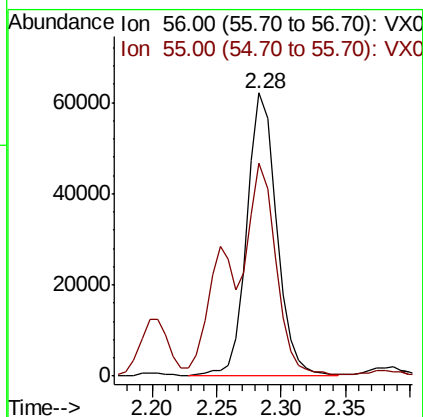
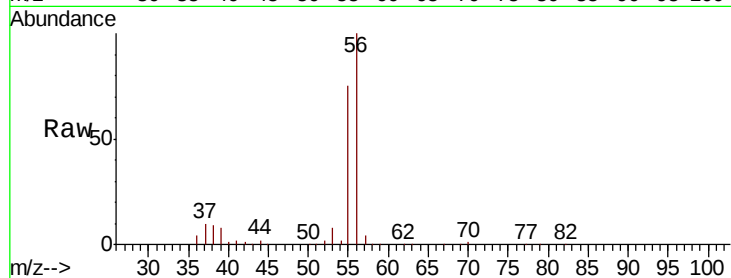
55 71.7 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 50.600 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

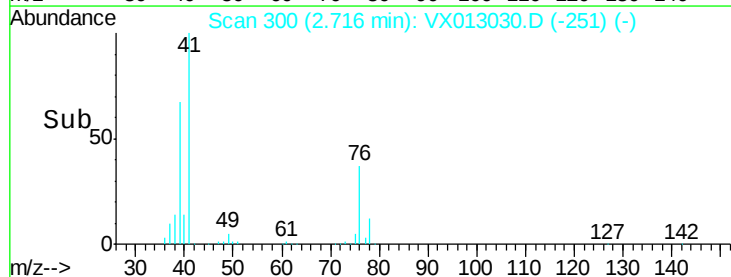
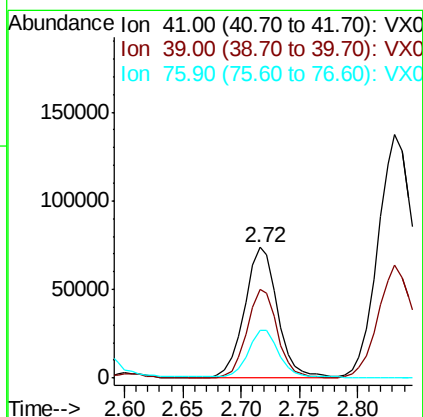
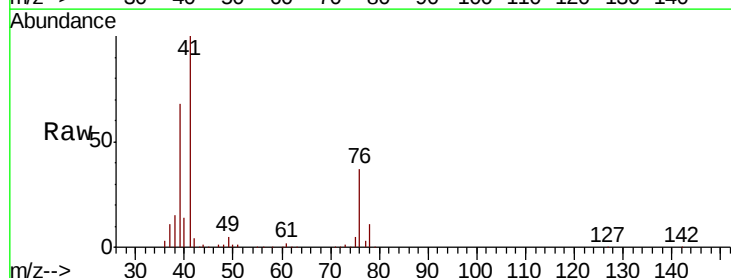
Tgt Ion: 41 Resp: 146182

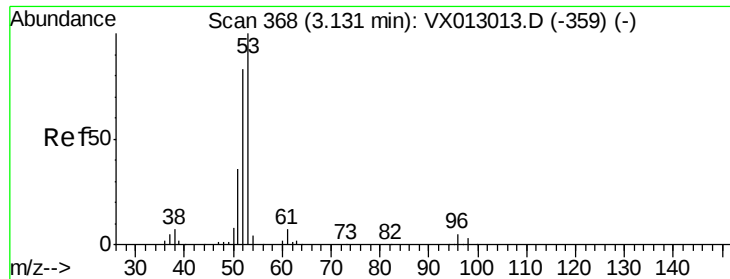
Ion Ratio Lower Upper

41 100

39 62.8 51.0 76.6

76 34.2 26.2 39.4





#15

Acrylonitrile

Concen: 274.501 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

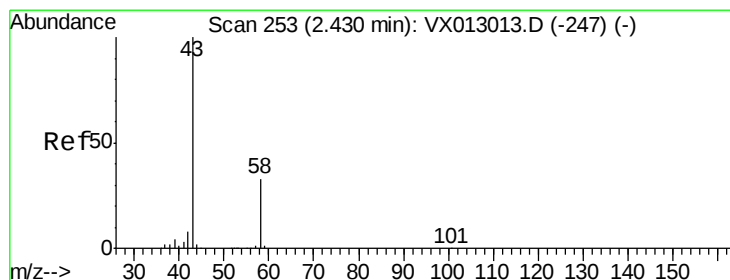
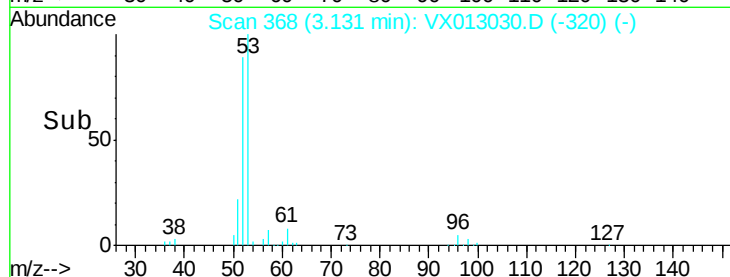
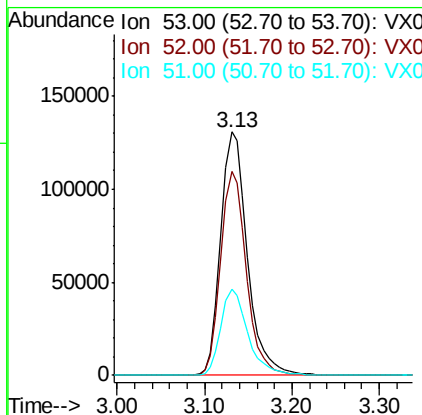
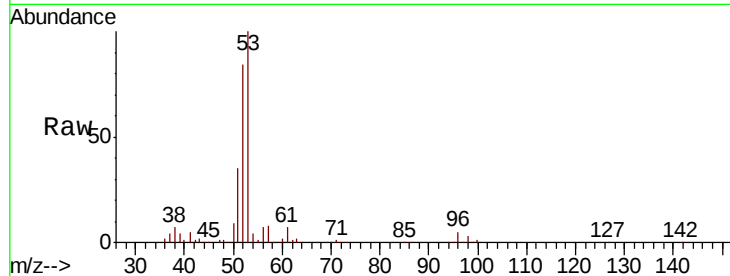
ClientSampleId :

FA19-JMW3202MS

Tot Ion:	53	Resp:	276686
Ion Ratio	Lower	Upper	
53	100		
52	81.0	66.2	99.2
51	36.3	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 214.813 ug/l

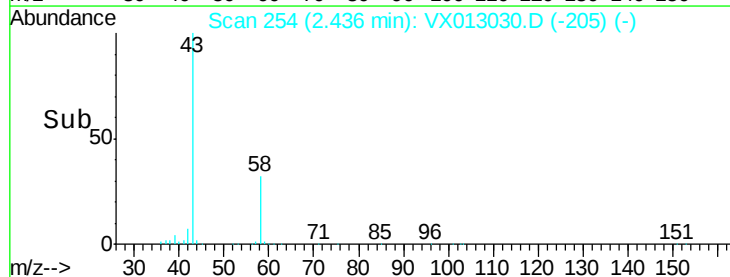
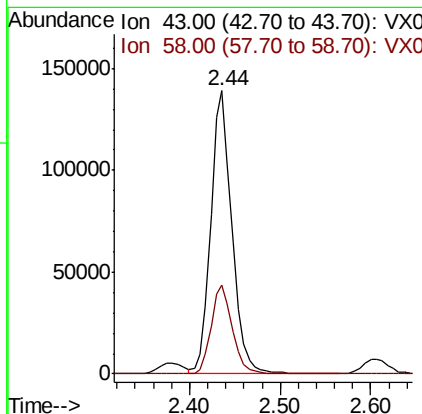
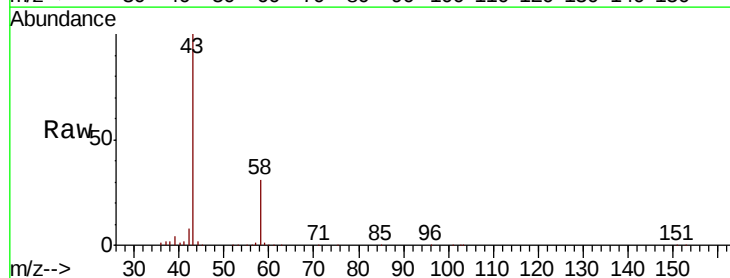
RT: 2.44 min Scan# 254

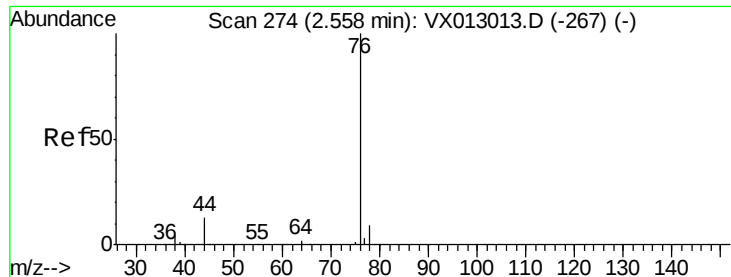
Delta R.T. -0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Tgt Ion:	43	Resp:	227183
Ion Ratio	Lower	Upper	
43	100		
58	31.5	25.4	38.2





#17

Carbon Disulfide

Concen: 46.242 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion: 76 Resp: 213900

Ion Ratio Lower Upper

76 100

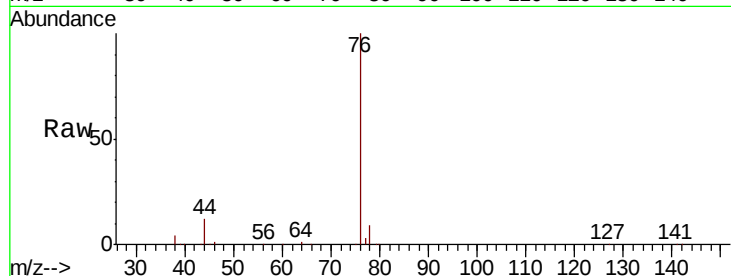
78 8.8 7.1 10.7

Manual Integrations

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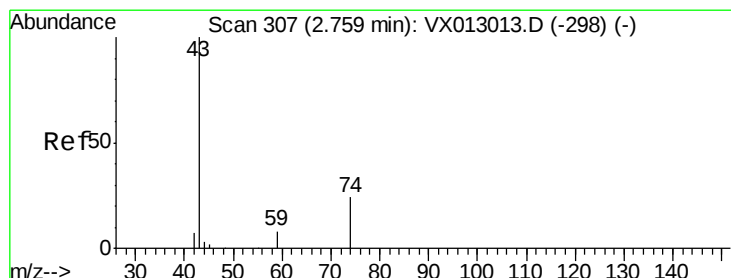
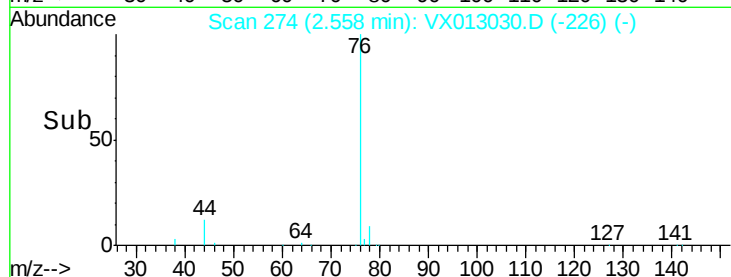
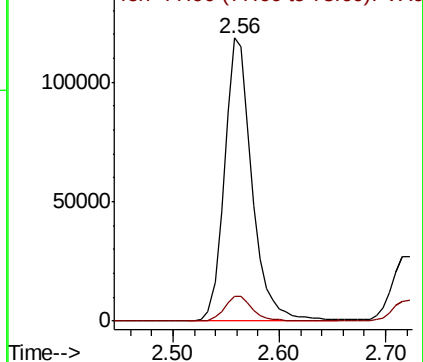
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 48.672 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX013030.D

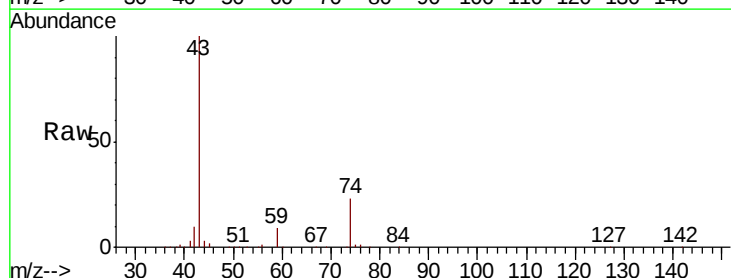
Acq: 11 Oct 2019 20:36

Tgt Ion: 43 Resp: 122008

Ion Ratio Lower Upper

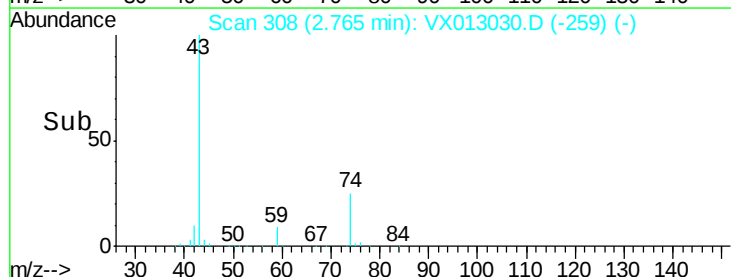
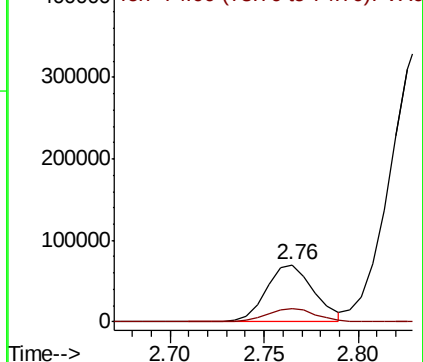
43 100

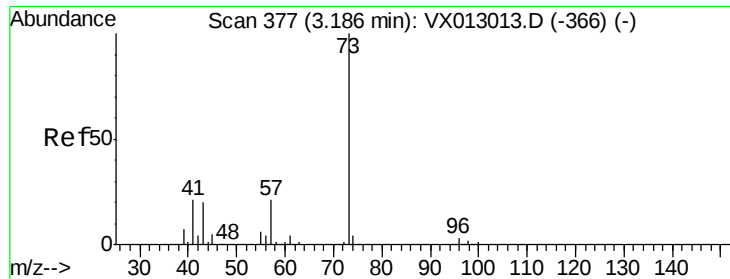
74 25.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





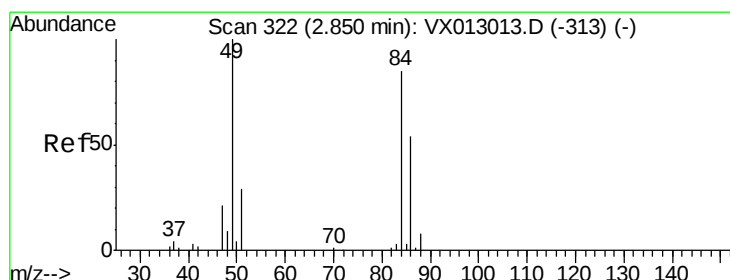
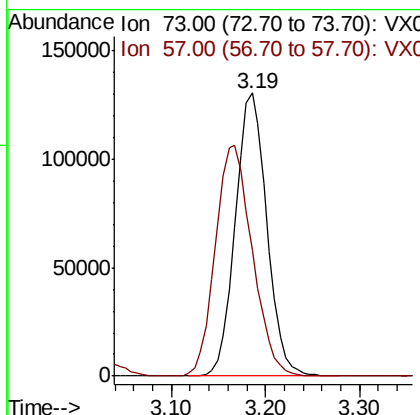
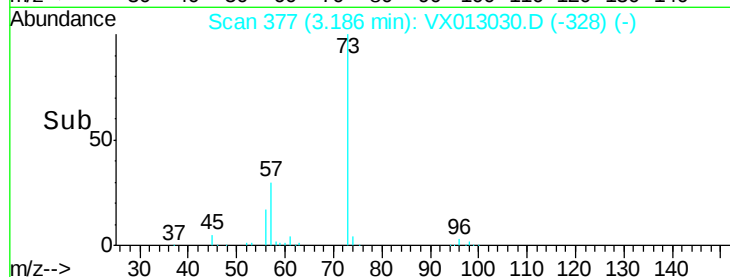
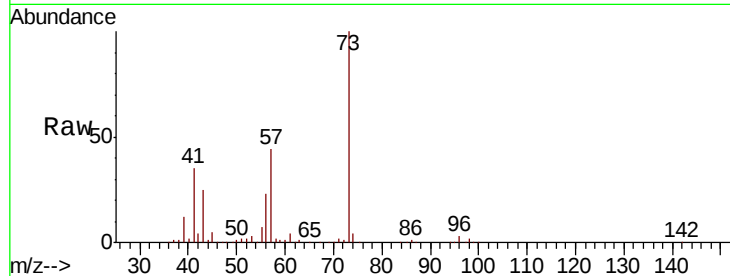
#19
Methvl tert-butvl Ether
Concen: 54.278 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3202MS

Tot Ion: 73 Resp: 304076
Ion Ratio Lower Upper
73 100
57 44.2 17.8 26.6#

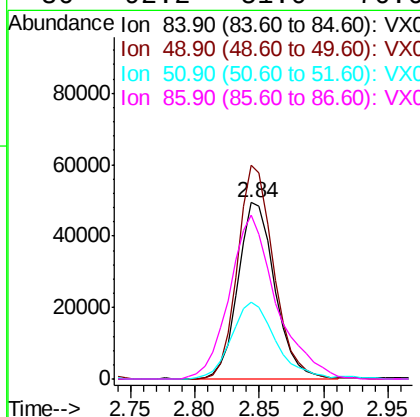
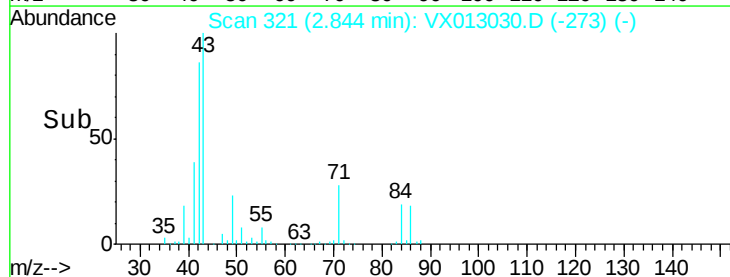
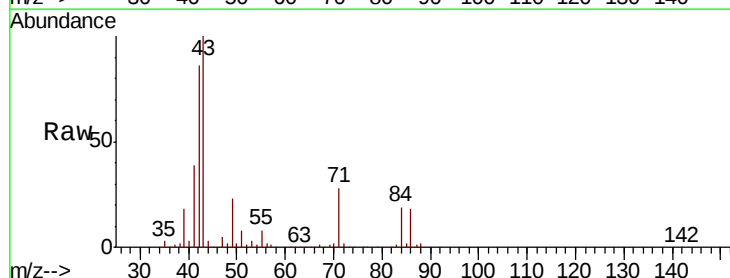
Manual Integrations
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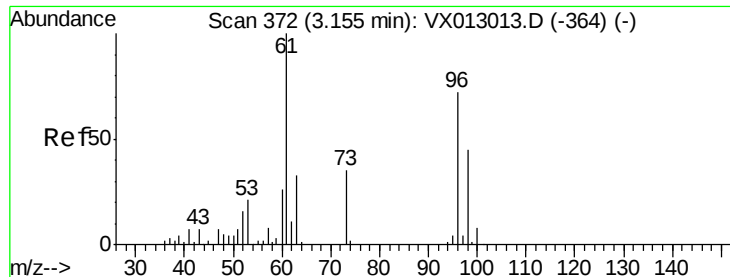
MMDadoda
10/14/2019 10:39:40 AM



#20
Methylene Chloride
Concen: 50.447 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Tgt Ion: 84 Resp: 98050
Ion Ratio Lower Upper
84 100
49 121.3 96.6 144.8
51 43.6 30.7 46.1
86 92.2 51.0 76.6#





#21

trans-1,2-Dichloroethene

Concen: 52.751 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

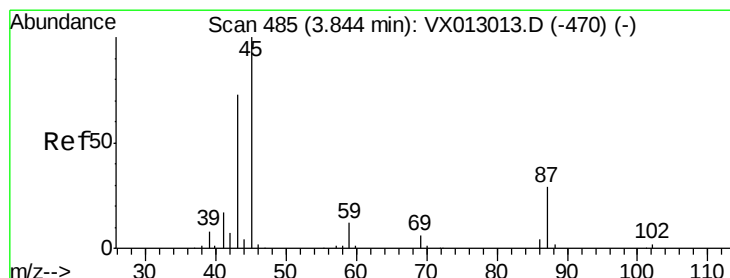
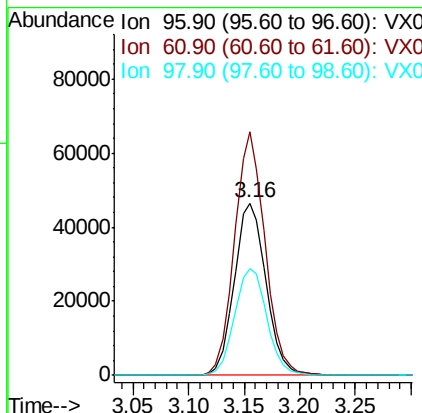
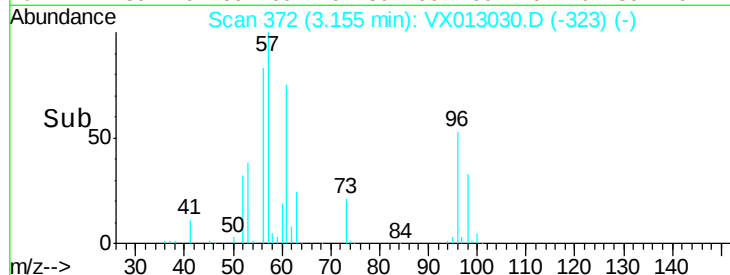
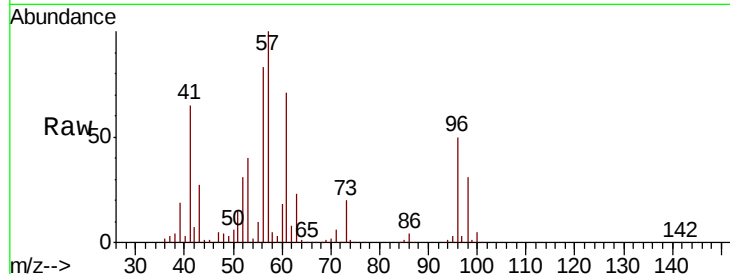
ClientSampleId :

FA19-JMW3202MS

Tot Ion:	96	Resp:	91721
Ion Ratio	Lower	Upper	
96	100		
61	141.1	110.4	165.6
98	61.7	51.5	77.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.848 ug/l

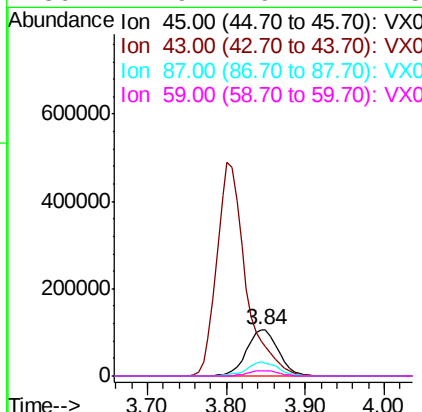
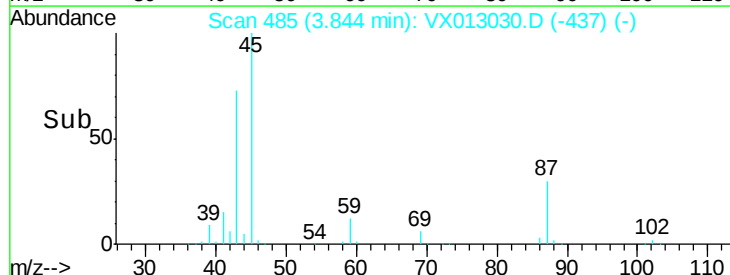
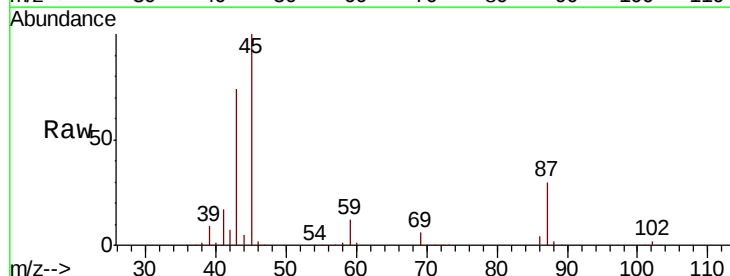
RT: 3.84 min Scan# 485

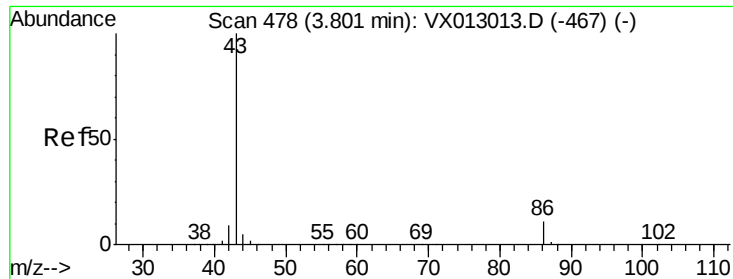
Delta R.T. -0.01 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Tgt Ion:	45	Resp:	298095
Ion Ratio	Lower	Upper	
45	100		
43	73.9	51.4	77.0
87	29.9	22.5	33.7
59	11.9	9.7	14.5





#23

Vinyl Acetate

Concen: 262.689 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion: 43 Resp: 1255369

Ion Ratio Lower Upper

43 100

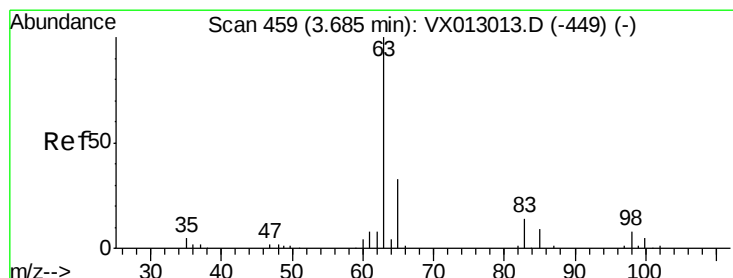
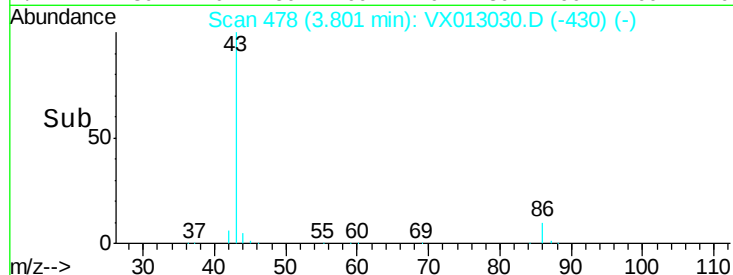
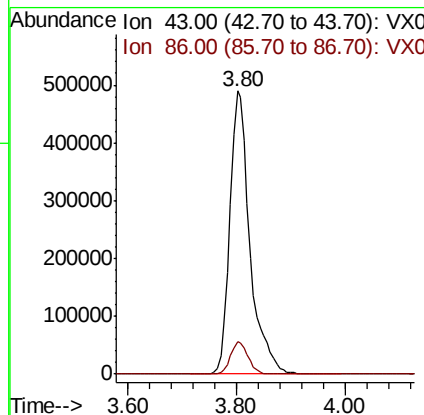
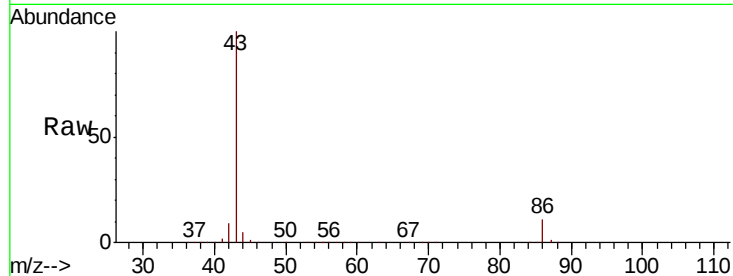
86 11.3 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 53.112 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

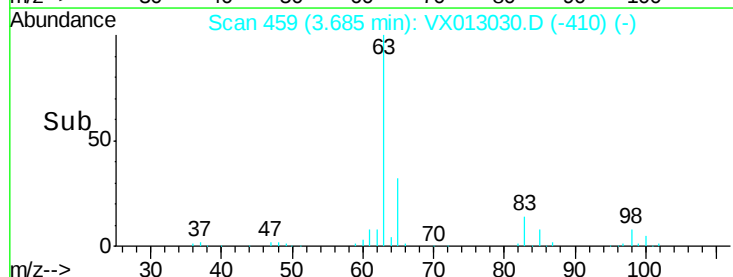
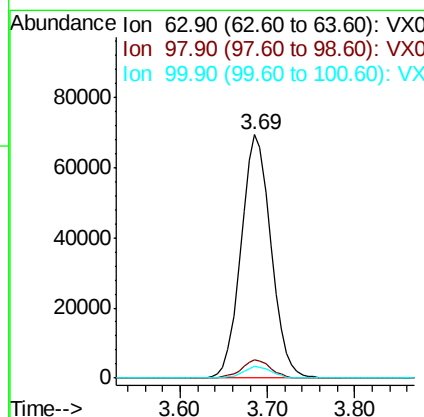
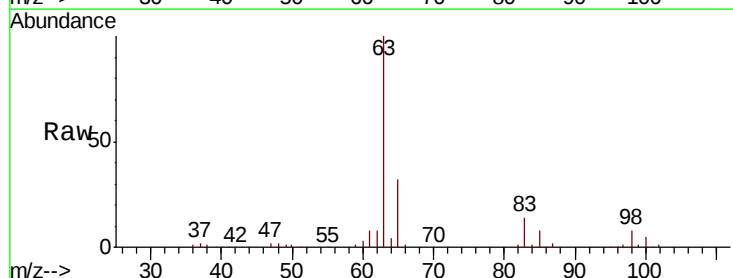
Tgt Ion: 63 Resp: 165407

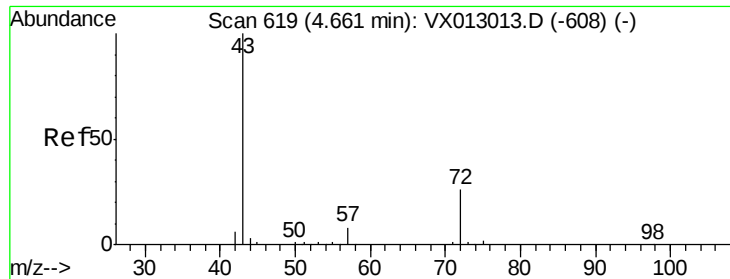
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 4.8 2.3 6.9





#25

2-Butanone

Concen: 251.182 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion: 43 Resp: 368547

Ion Ratio Lower Upper

43 100

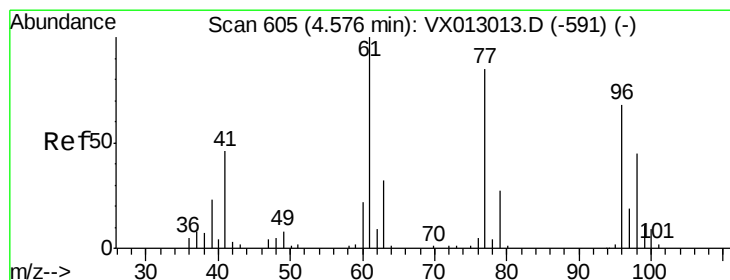
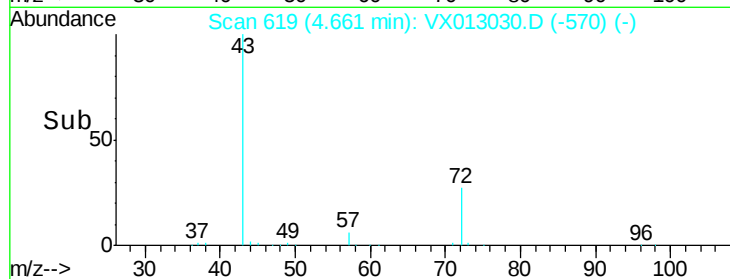
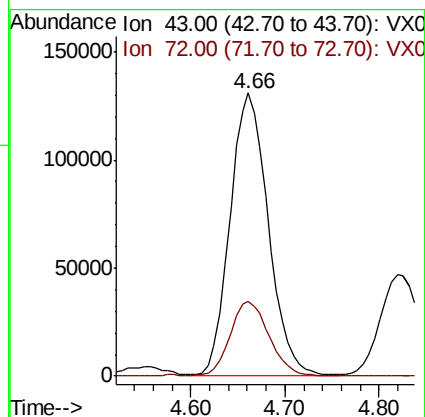
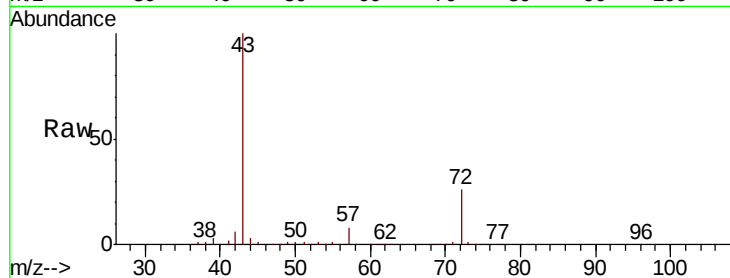
72 26.5 21.0 31.6

Manual Integrations

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MMDadoda

10/14/2019 10:39:40 AM



#26

2,2-Dichloropropane

Concen: 44.725 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX013030.D

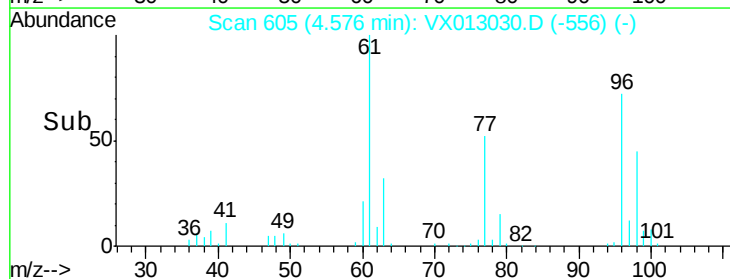
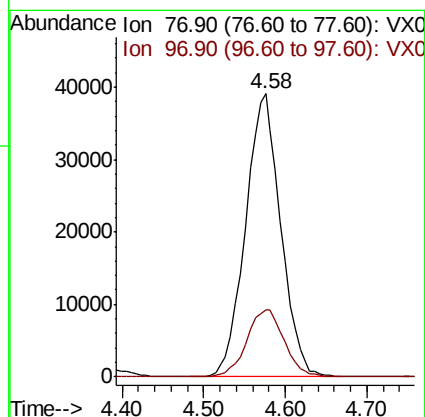
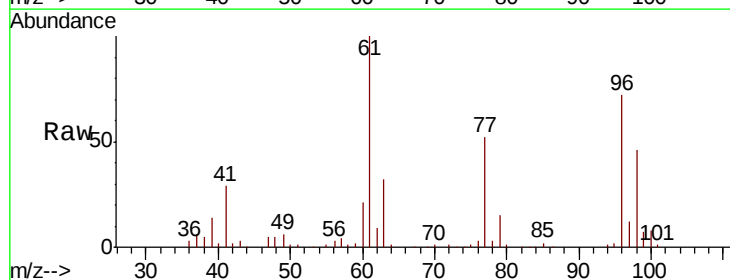
Acq: 11 Oct 2019 20:36

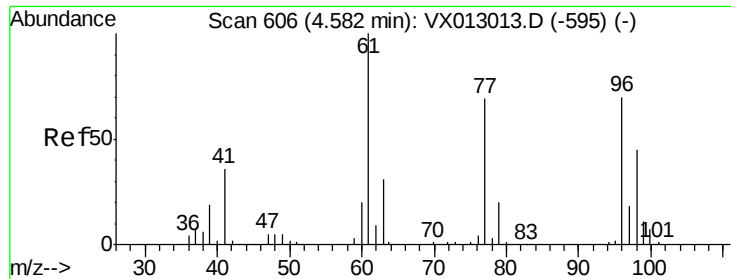
Tgt Ion: 77 Resp: 117129

Ion Ratio Lower Upper

77 100

97 25.1 11.3 33.9





#27

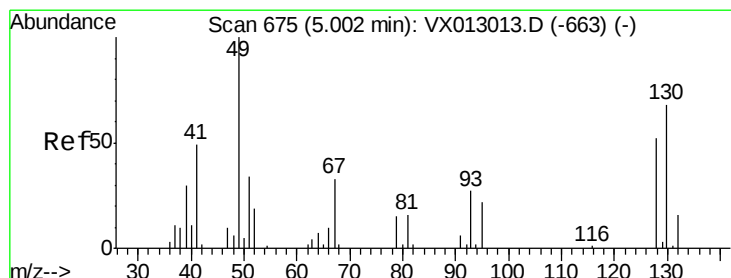
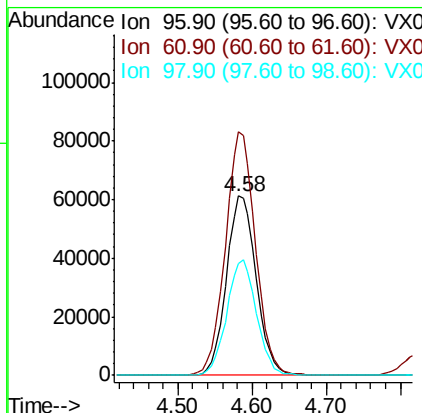
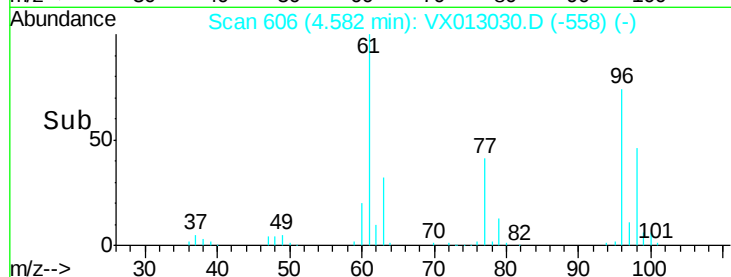
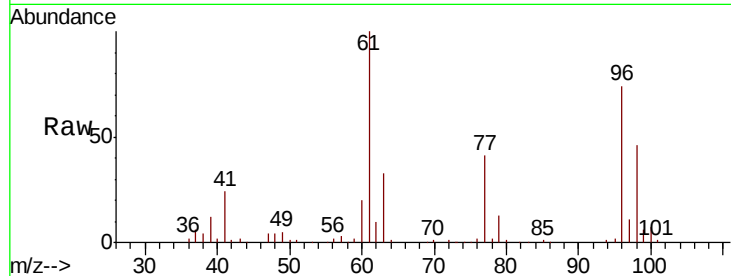
cis-1,2-Dichloroethene
Concen: 85.729 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3202MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	171819		
61	136.4	0.0	290.6	
98	64.2	0.0	128.8	

Manual Integrations
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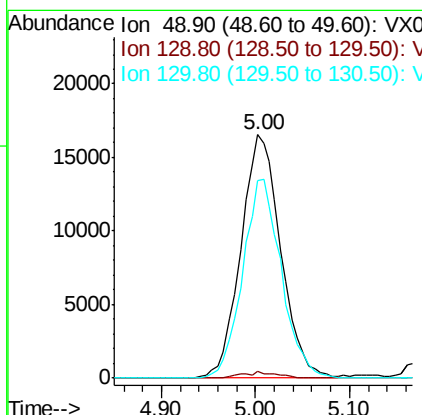
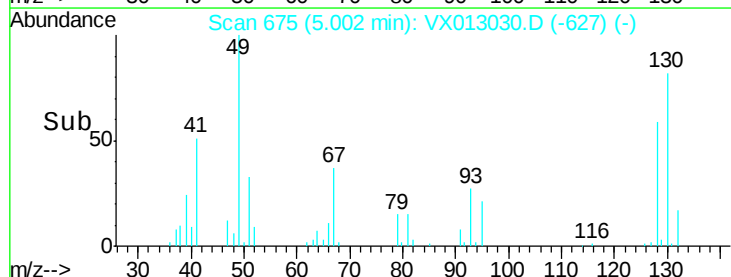
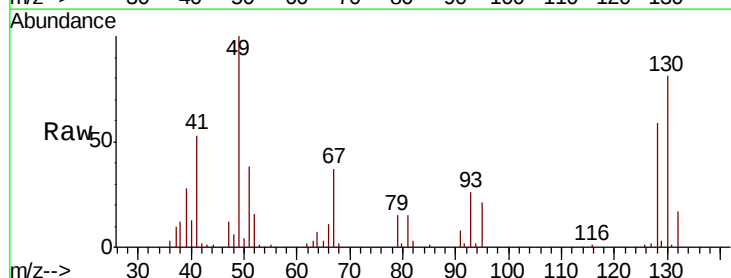
MMDadoda
10/14/2019 10:39:40 AM

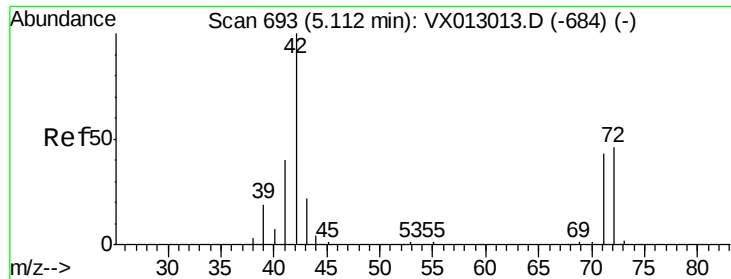


#28

Bromochloromethane
Concen: 52.627 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	48959		
129	2.1	0.0	4.2	
130	79.2	62.1	93.1	





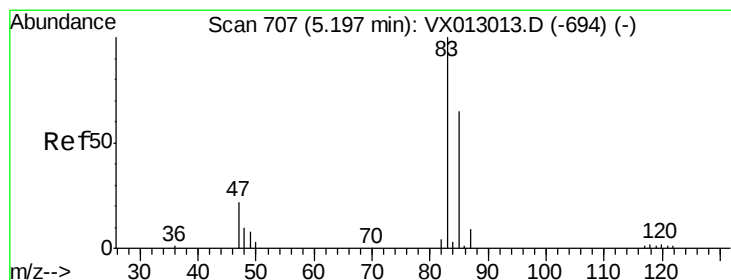
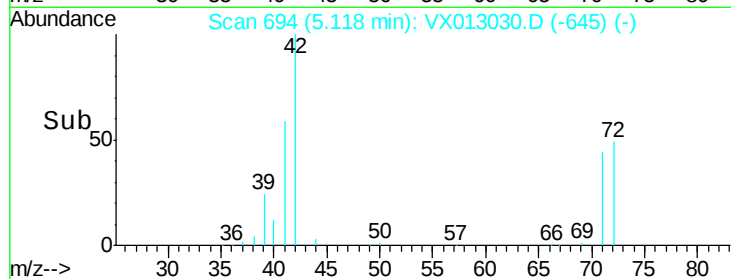
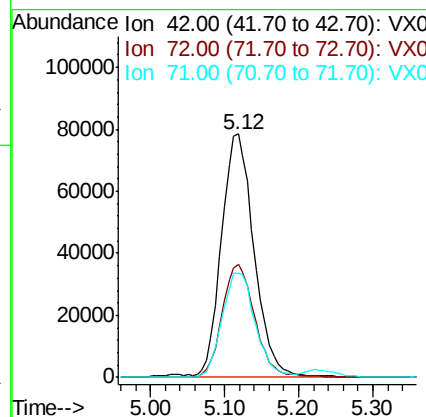
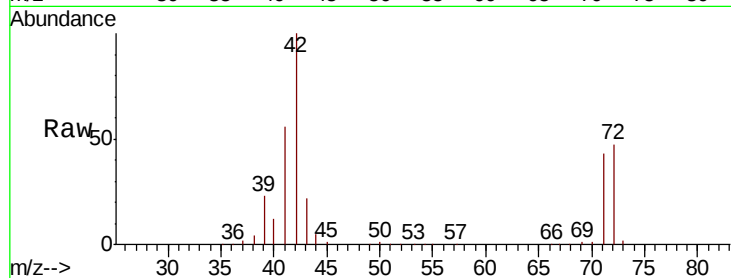
#29
Tetrahydrofuran
Concen: 264.342 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3202MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	36.9	55.3
71	43.5	33.5	50.3

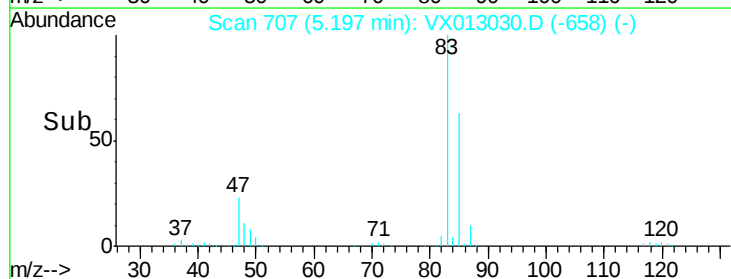
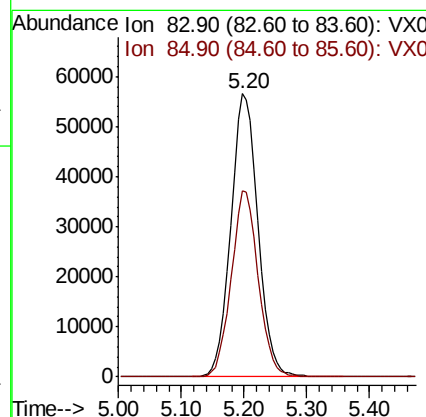
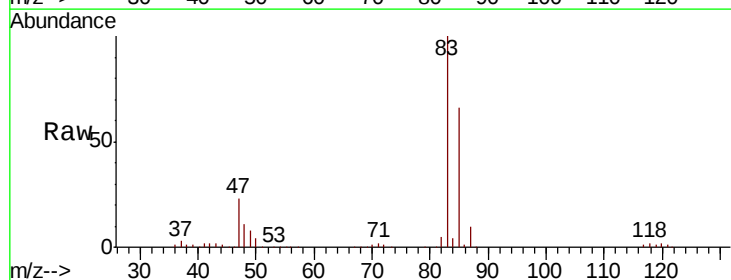
Manual Integrations
APPROVED

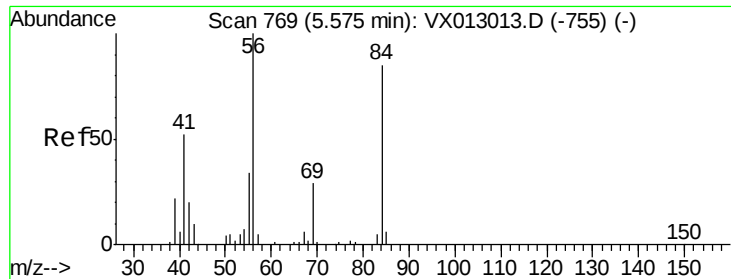
MMDadoda
10/14/2019 10:39:40 AM



#30
Chloroform
Concen: 52.915 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3





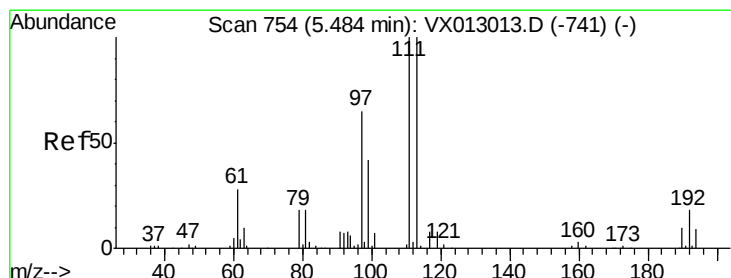
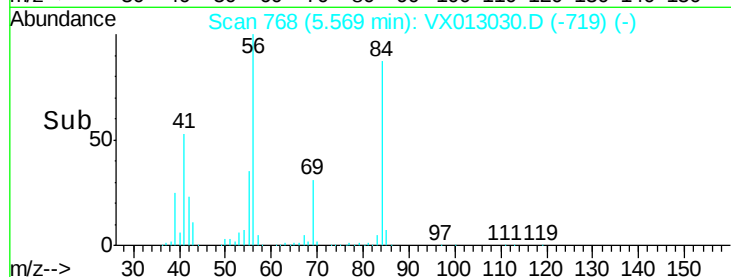
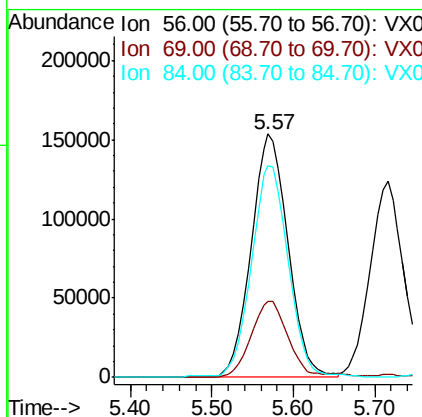
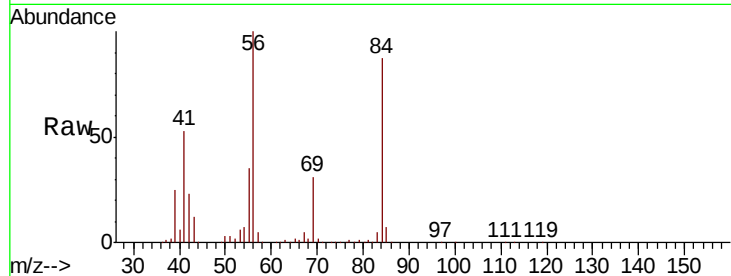
#31
Cyclohexane
Concen: 165.587 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3202MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.2	37.8
84	86.5	71.3	106.9

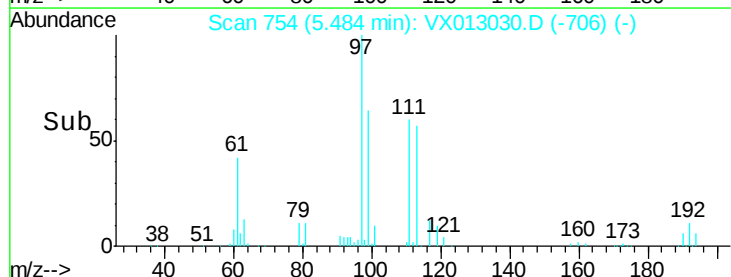
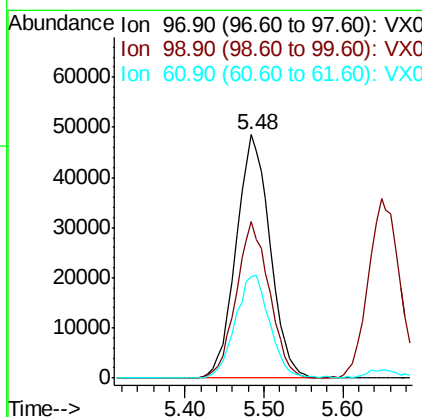
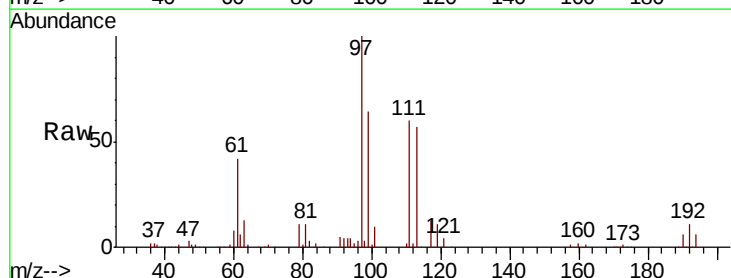
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 53.452 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	52.3	78.5
61	43.2	35.0	52.4





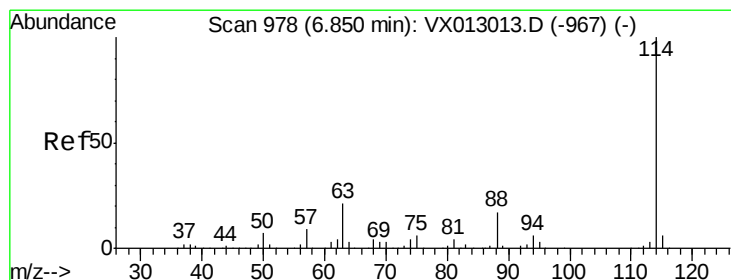
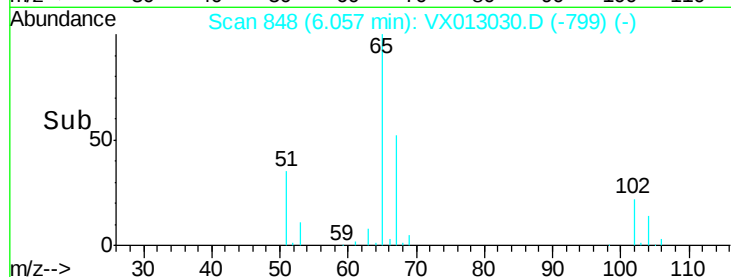
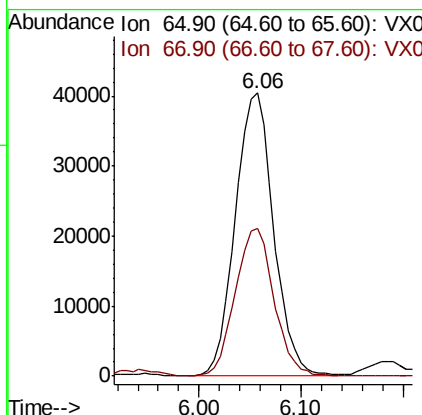
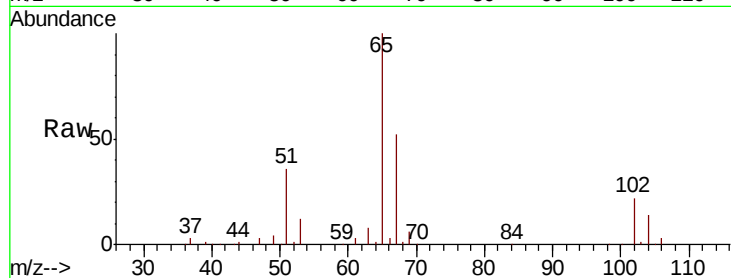
#33
 1,2-Dichloroethane-d4
 Concen: 52.690 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VX013030.D
 Acq: 11 Oct 2019 20:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW3202MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	105719		
67	52.7	0.0	104.4	

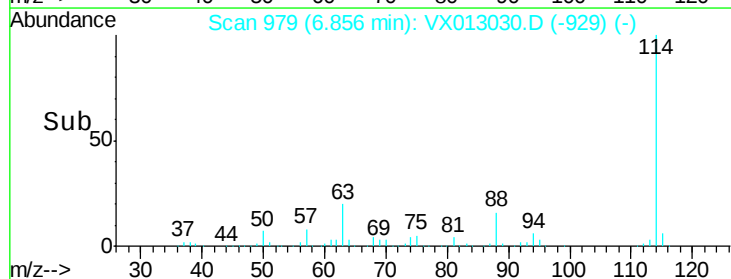
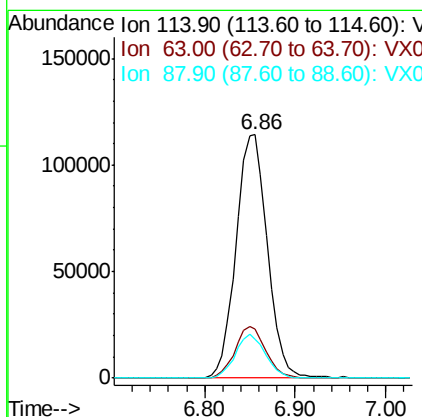
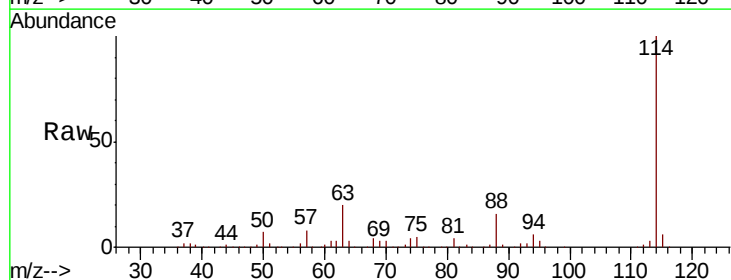
Manual Integrations
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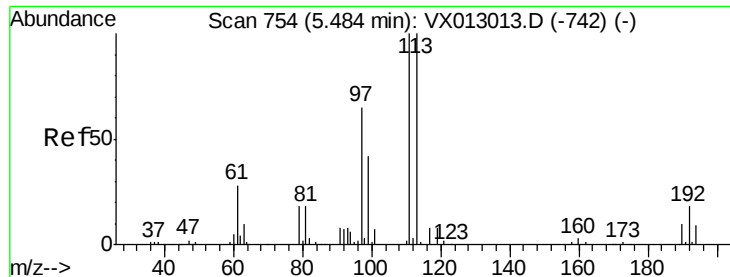
MMDadoda
 10/14/2019 10:39:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX013030.D
 Acq: 11 Oct 2019 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	273686		
63	20.2	0.0	40.8	
88	16.1	0.0	33.8	





#35

Dibromofluoromethane

Concen: 53.877 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

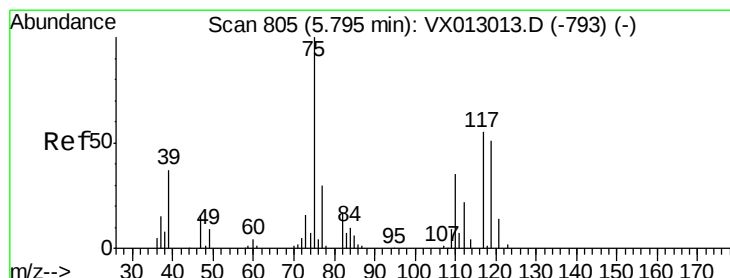
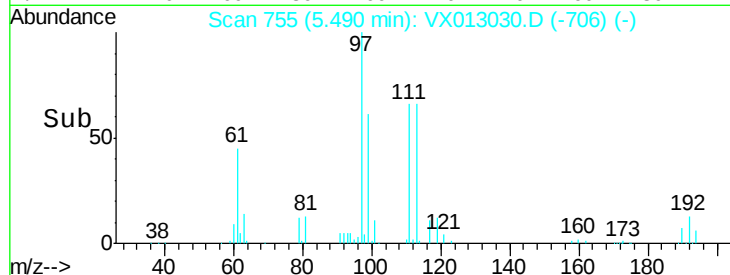
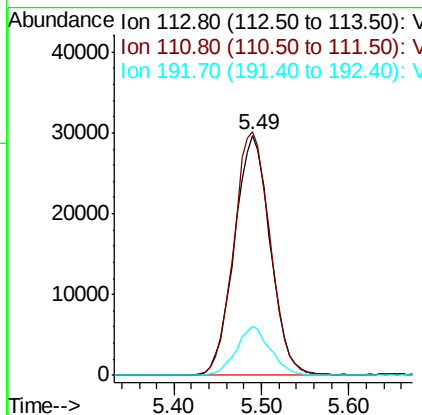
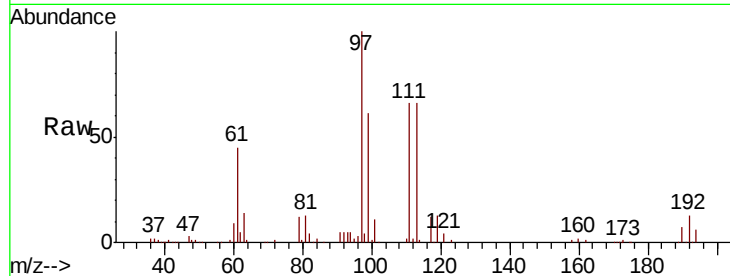
ClientSampleId :

FA19-JMW3202MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.2	124.8
192	19.3	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 50.984 ug/l

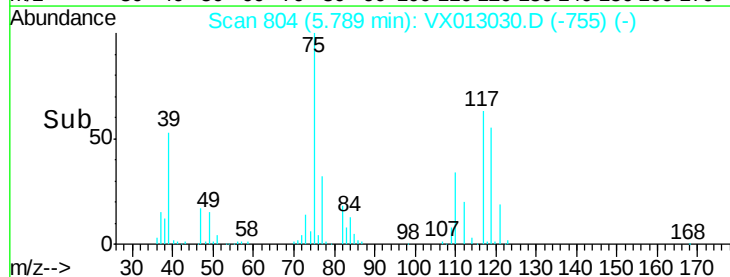
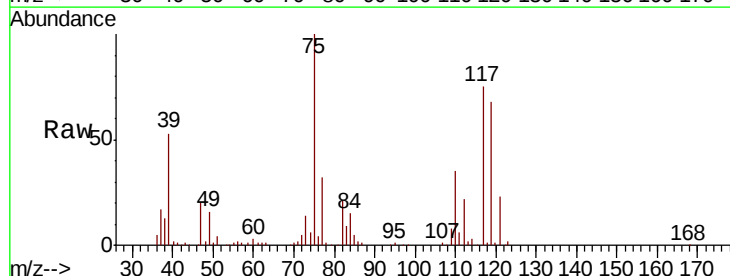
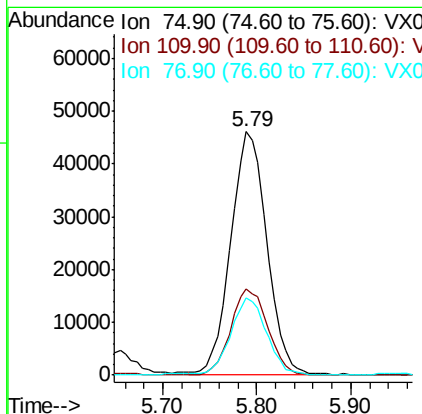
RT: 5.79 min Scan# 804

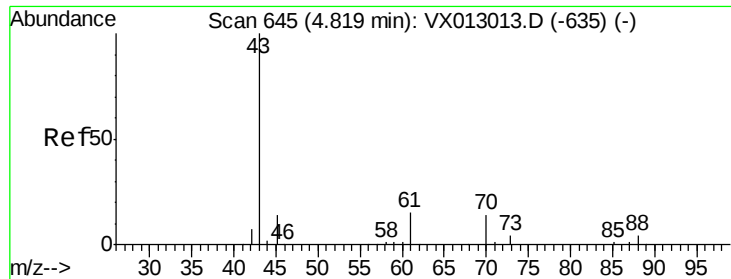
Delta R.T. -0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.6	52.9
77	31.8	24.4	36.6





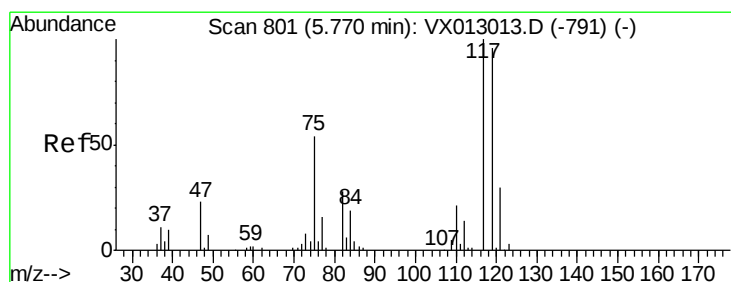
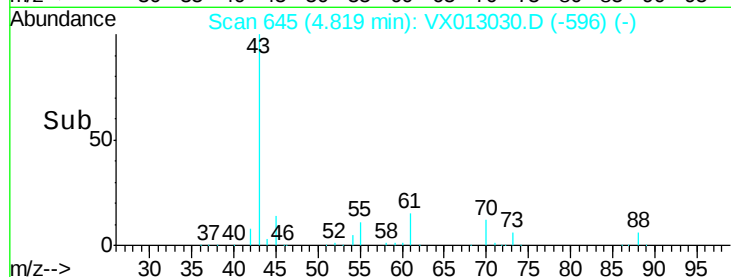
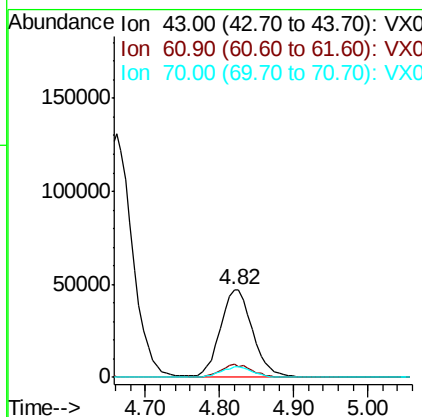
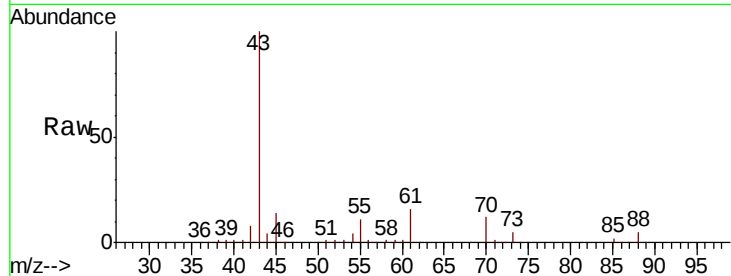
#37
Ethyl Acetate
Concen: 52.893 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3202MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.0
70	11.6	9.8	14.6

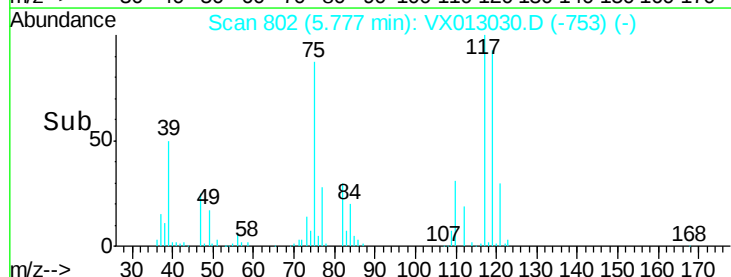
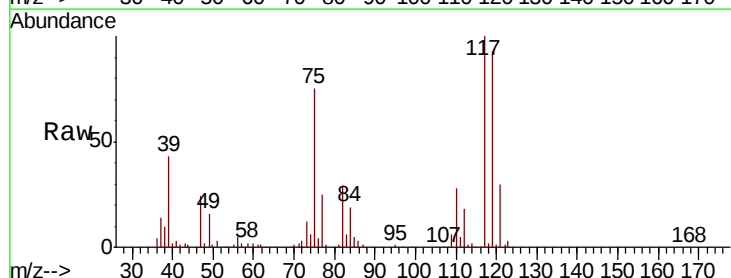
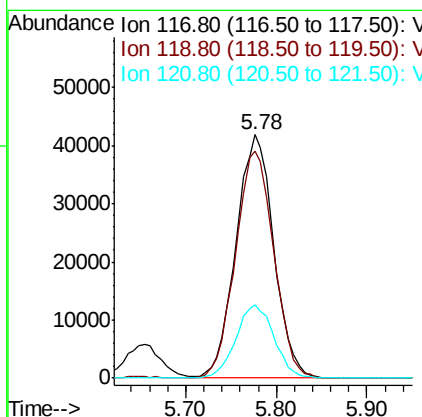
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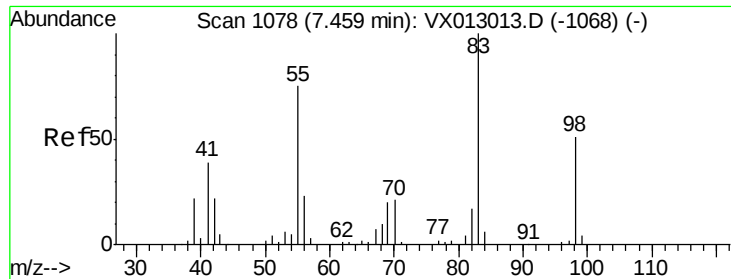
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#38
Carbon Tetrachloride
Concen: 51.538 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	74.5	111.7
121	29.9	24.2	36.4





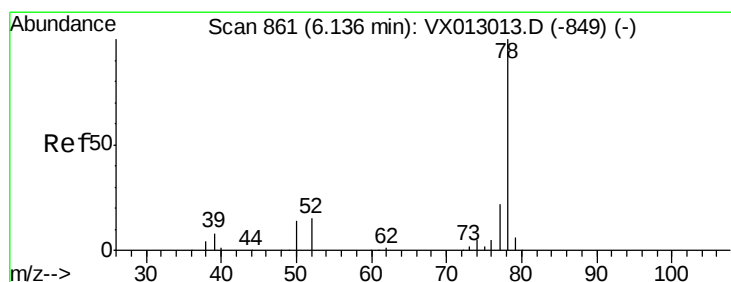
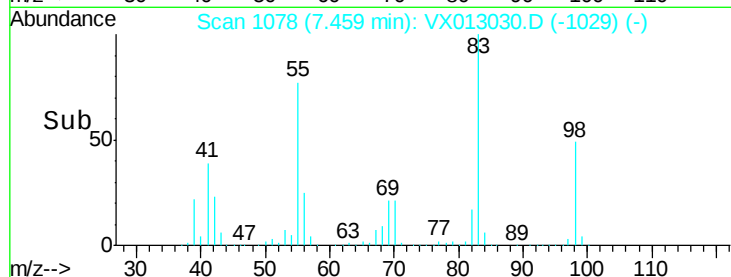
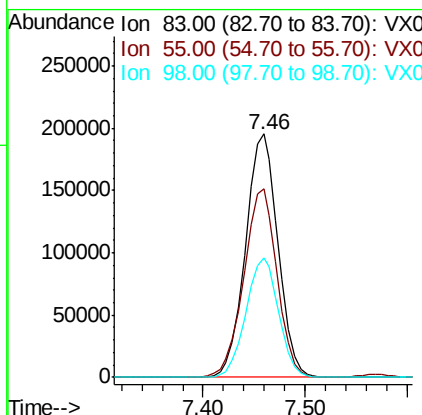
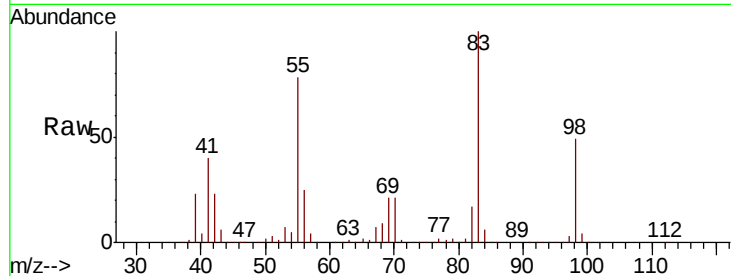
#39
Methvlcvclohexane
Concen: 148.049 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3202MS

Tot Ion	83	Resp	432028
Ion Ratio	100	Lower	Upper
83	100		
55	77.4	60.2	90.4
98	49.0	38.5	57.7

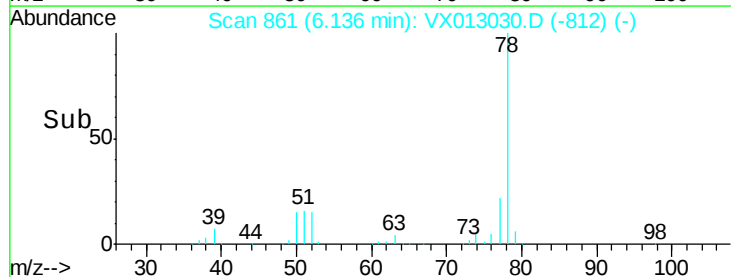
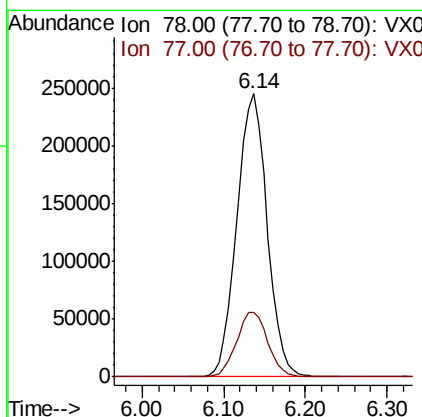
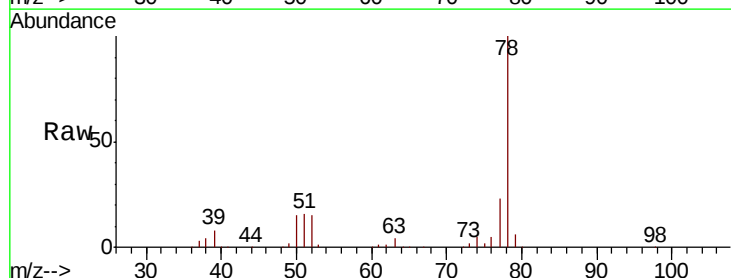
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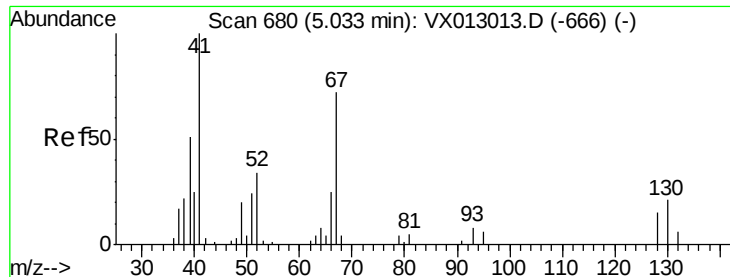
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#40
Benzene
Concen: 88.786 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Tgt Ion	78	Resp	630997
Ion Ratio	100	Lower	Upper
78	100		
77	22.7	19.0	28.4





#41

Methacrylonitrile

Concen: 53.200 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion: 41 Resp: 78655

Ion Ratio Lower Upper

41 100

39 53.5 44.0 66.0

67 72.0 58.5 87.7

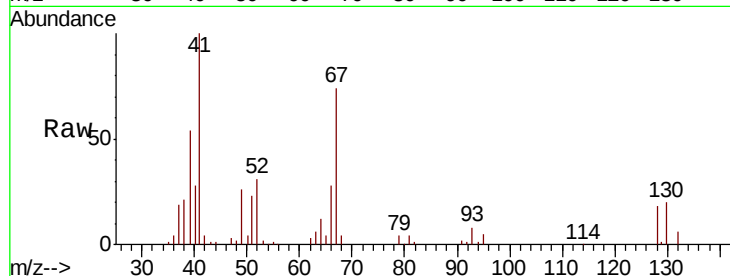
52 30.1 23.8 35.8

Manual Integrations

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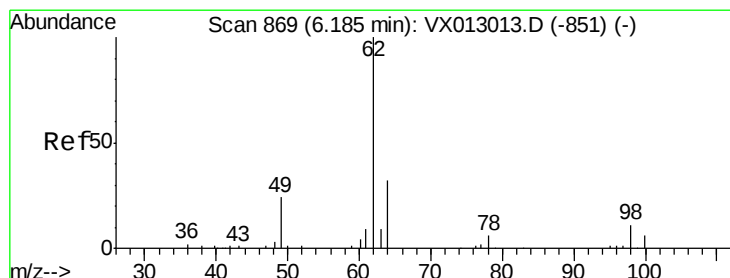
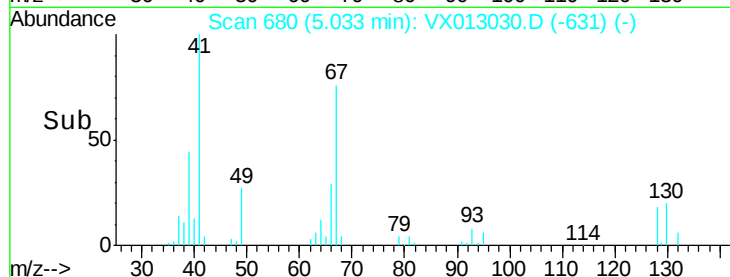
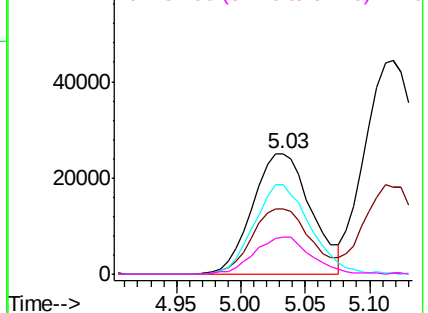


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 54.572 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX013030.D

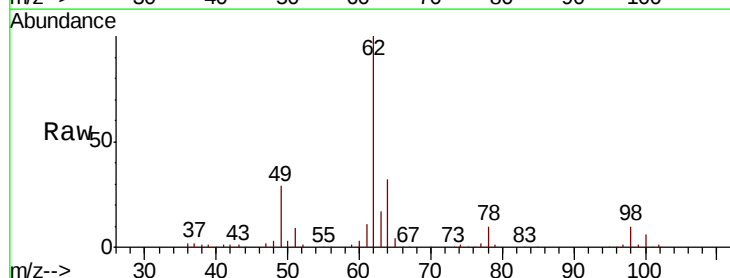
Acq: 11 Oct 2019 20:36

Tgt Ion: 62 Resp: 139169

Ion Ratio Lower Upper

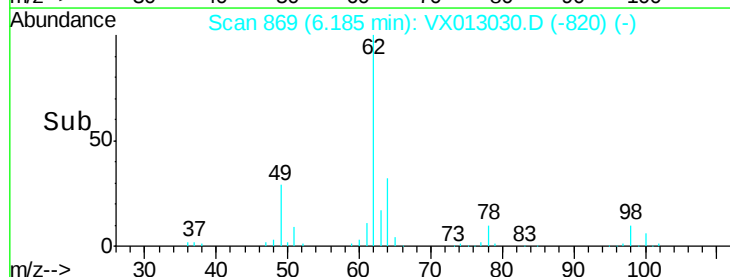
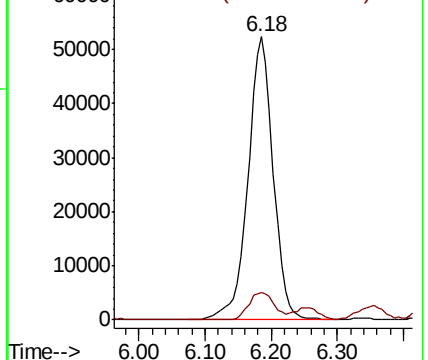
62 100

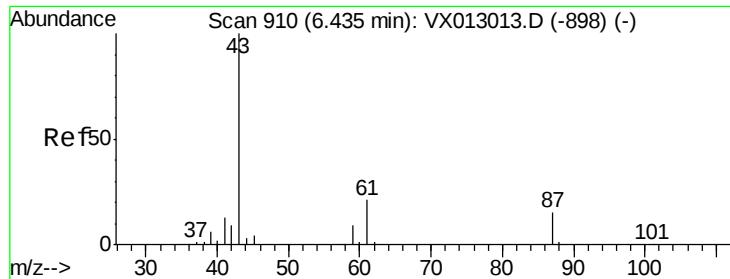
98 10.0 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





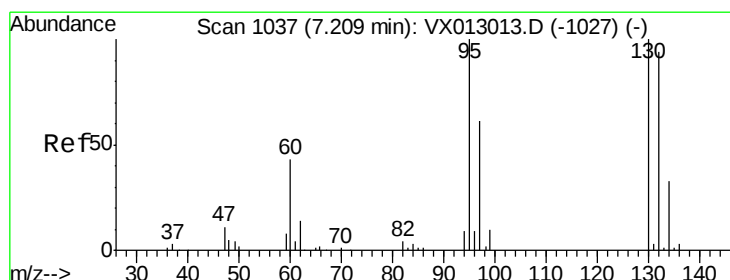
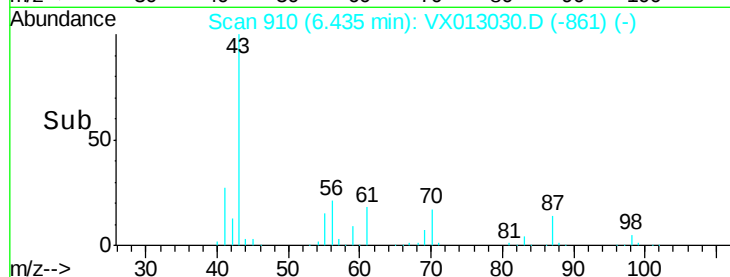
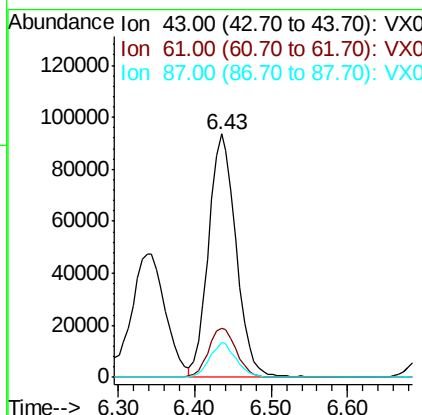
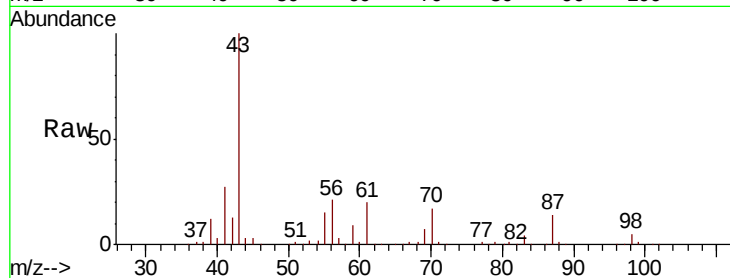
#43
Isopropyl Acetate
Concen: 53.866 ug/l
RT: 6.43 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3202MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.6	24.8
87	13.7	11.0	16.6

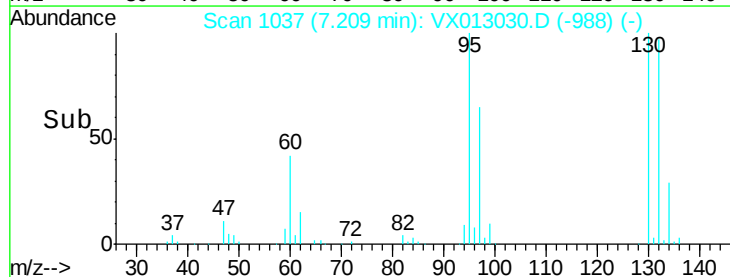
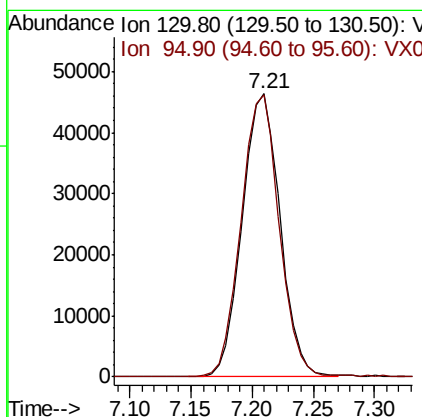
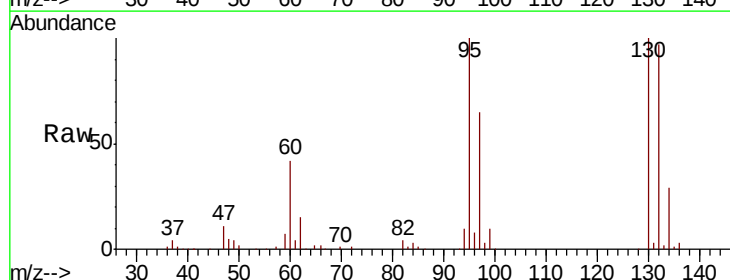
Manual Integrations
APPROVED

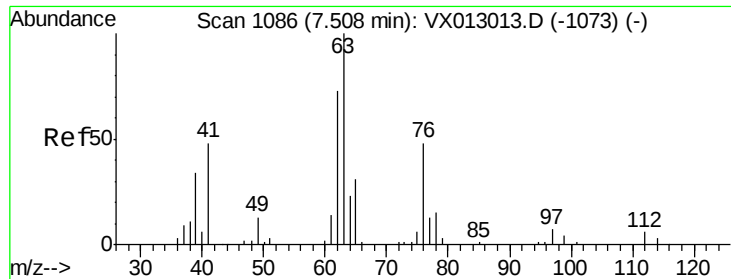
MMDadoda
10/14/2019 10:39:40 AM



#44
Trichloroethene
Concen: 50.848 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	189.2





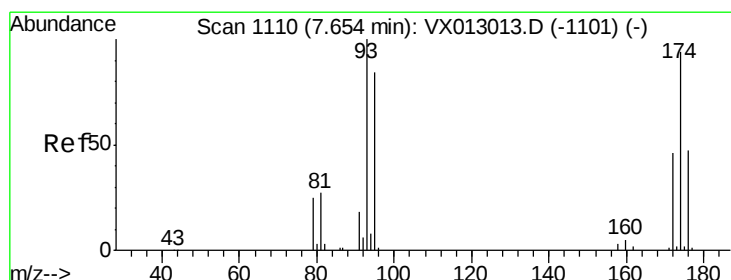
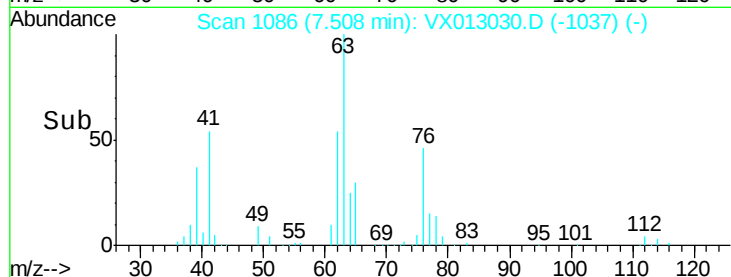
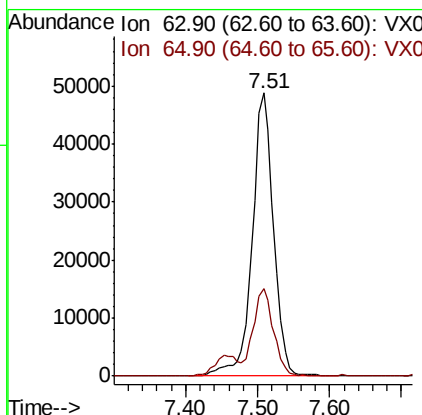
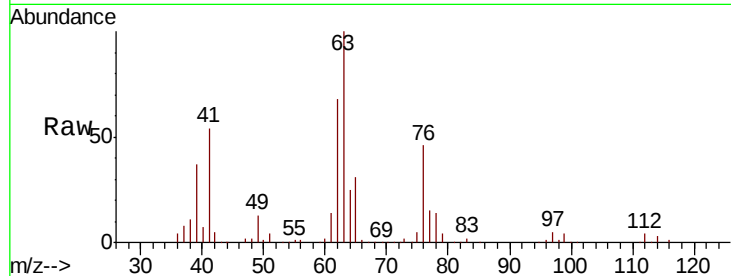
#45
 1,2-Dichloropropane
 Concen: 55.374 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX013030.D
 Acq: 11 Oct 2019 20:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW3202MS

Tot Ion: 63 Resp: 100300
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 37.0

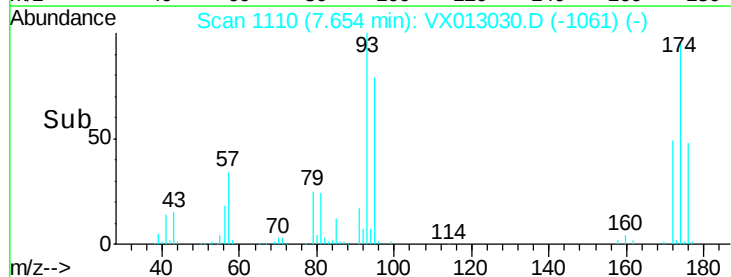
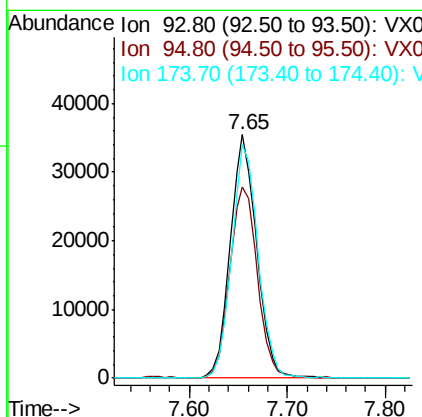
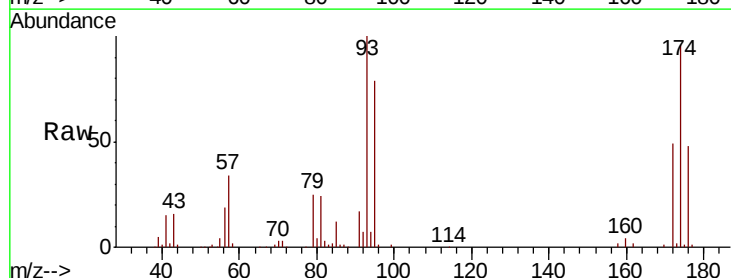
Manual Integrations
 APPROVED

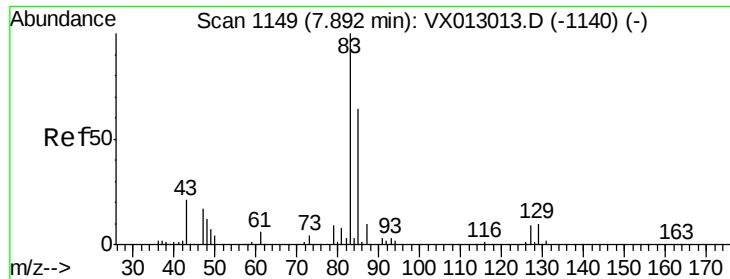
MMDadoda
 10/14/2019 10:39:40 AM



#46
 Dibromomethane
 Concen: 54.901 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013030.D
 Acq: 11 Oct 2019 20:36

Tgt Ion: 93 Resp: 66255
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.3 99.5
 174 95.9 77.8 116.6





#47

Bromodichloromethane

Concen: 54.702 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion: 83 Resp: 128828

Ion Ratio Lower Upper

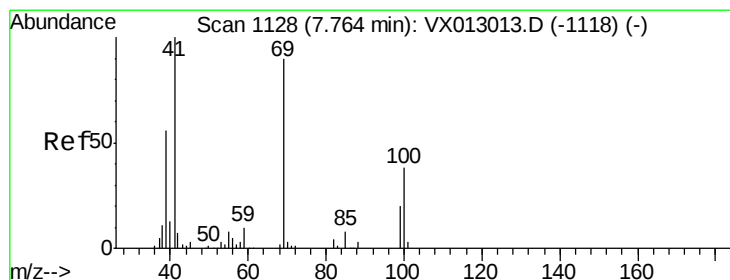
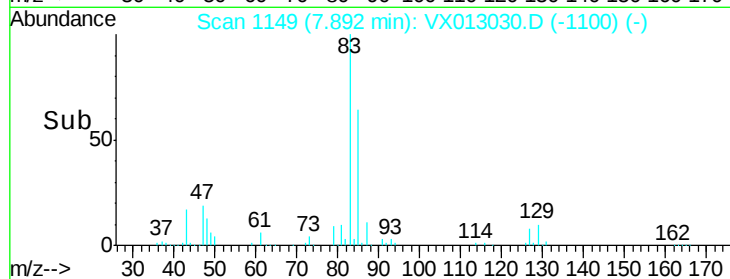
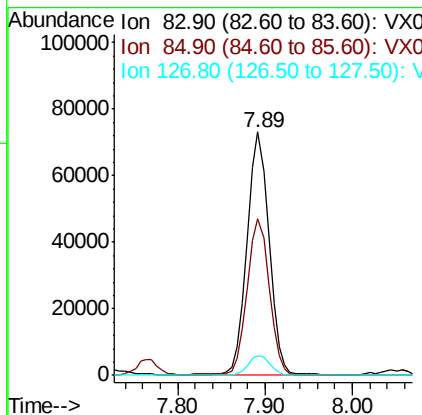
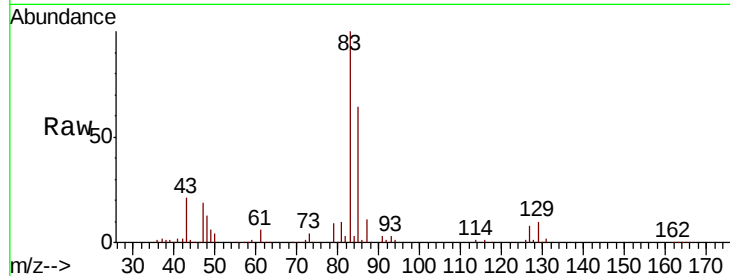
83 100

85 64.2 52.4 78.6

127 8.2 6.6 10.0

Manual Integrations
APPROVED

MMDadoda
10/14/2019 10:39:40 AM



#48

Methyl methacrylate

Concen: 59.473 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

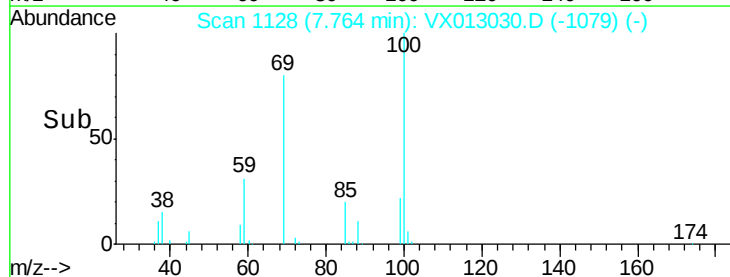
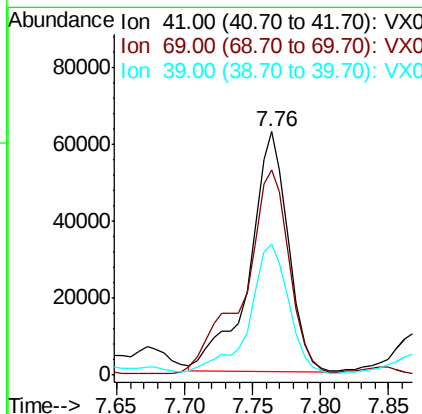
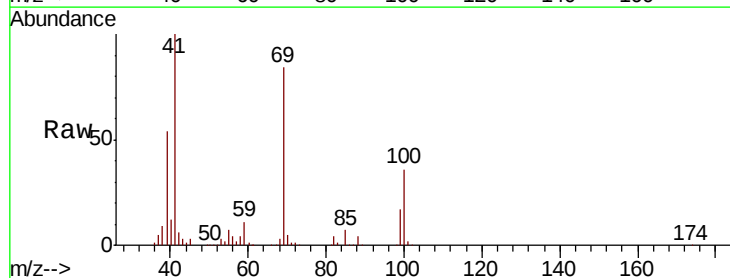
Tgt Ion: 41 Resp: 125161

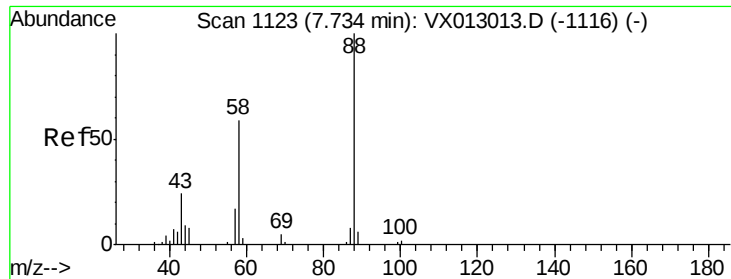
Ion Ratio Lower Upper

41 100

69 99.8 68.7 103.1

39 53.9 44.3 66.5





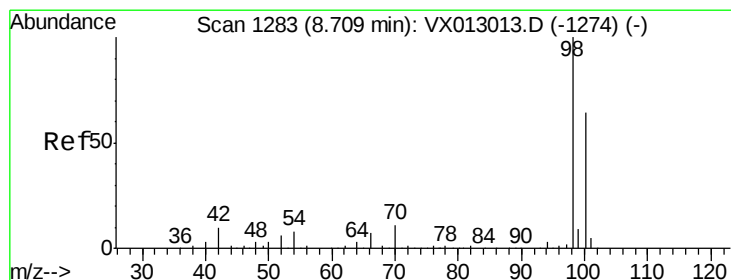
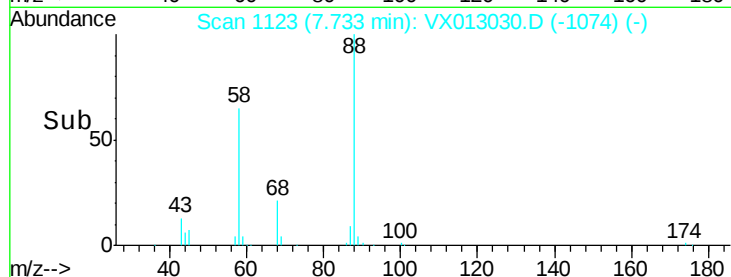
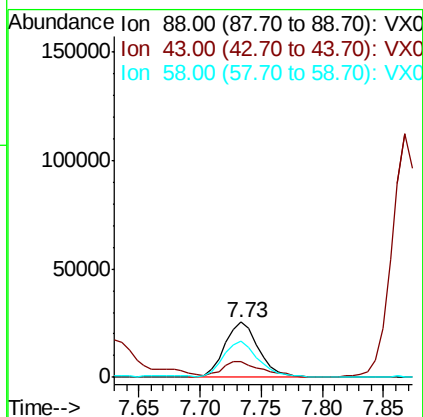
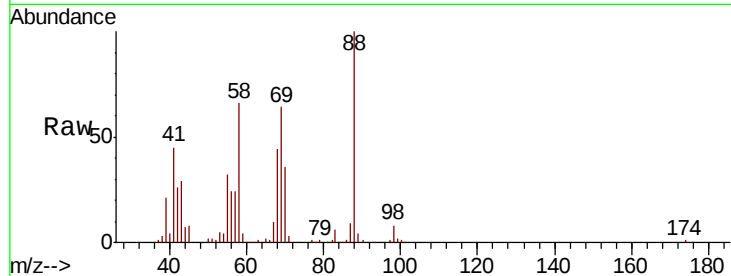
#49
1,4-Dioxane
Concen: 866.246 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3202MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	25.0	37.6
58	69.1	55.4	83.2

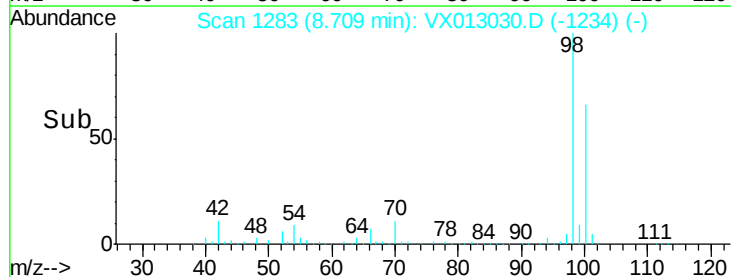
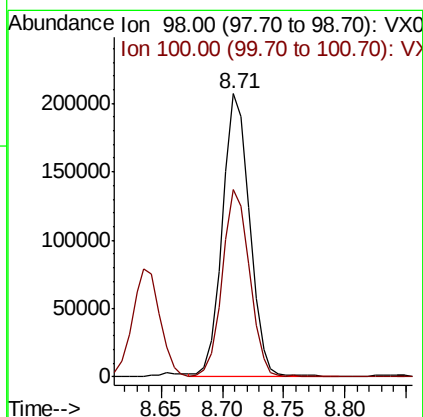
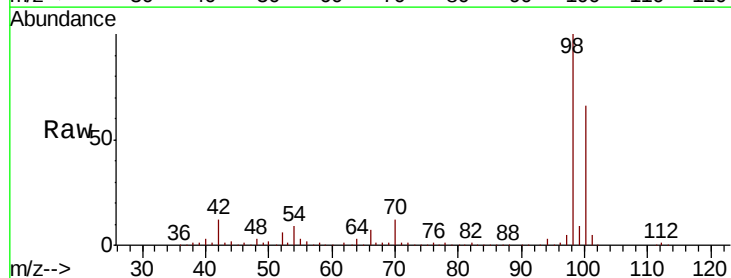
Manual Integrations
APPROVED

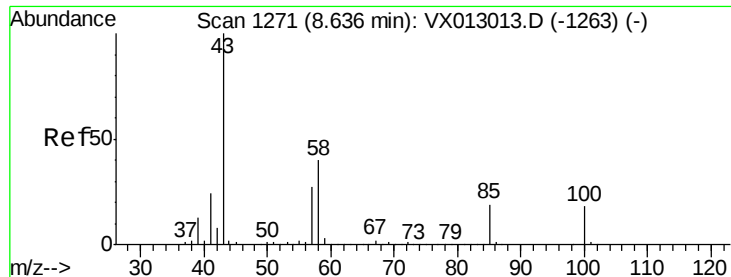
MMDadoda
10/14/2019 10:39:40 AM



#50
Toluene-d8
Concen: 51.779 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 271.449 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion: 43 Resp: 730890

Ion Ratio Lower Upper

43 100

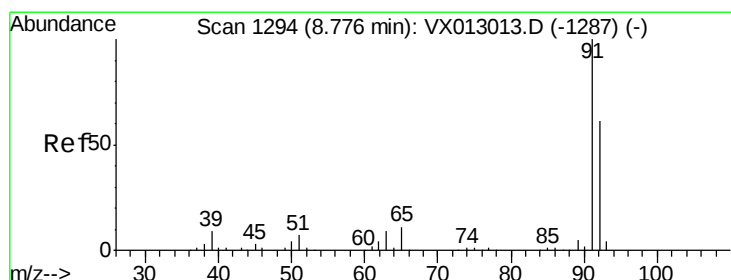
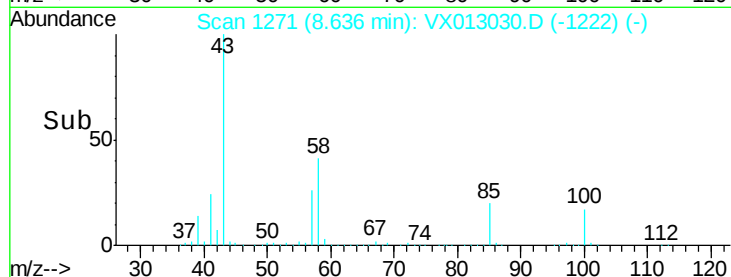
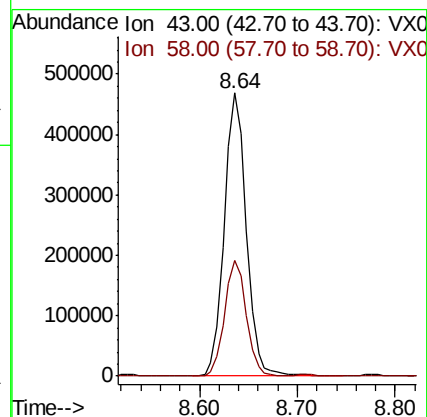
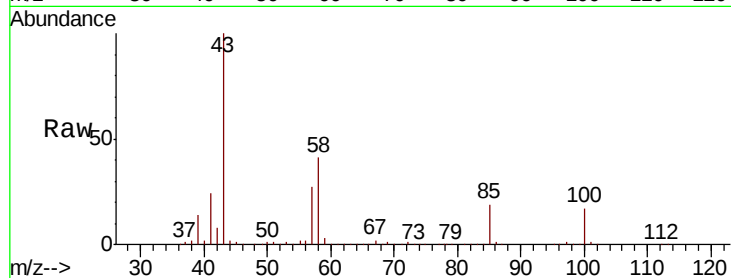
58 40.4 32.4 48.6

Manual Integrations

APPROVED

MMDadoda

10/14/2019 10:39:40 AM



#52

Toluene

Concen: 72.843 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013030.D

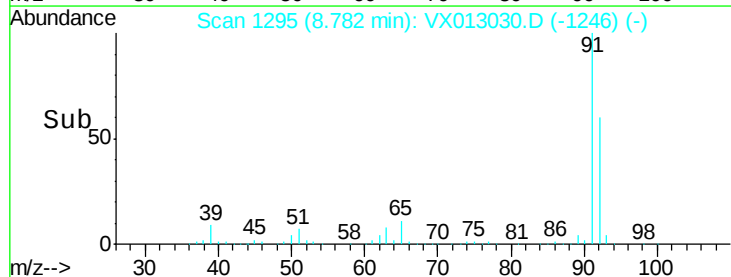
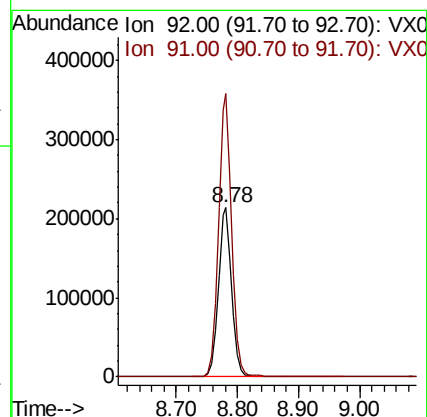
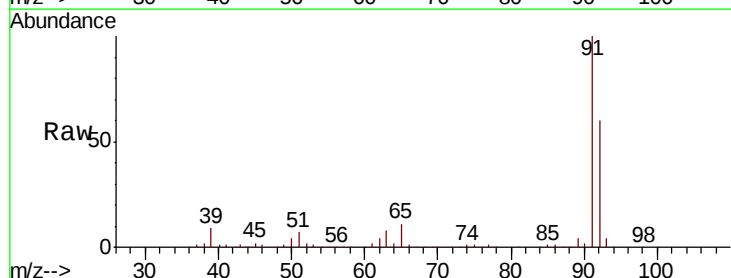
Acq: 11 Oct 2019 20:36

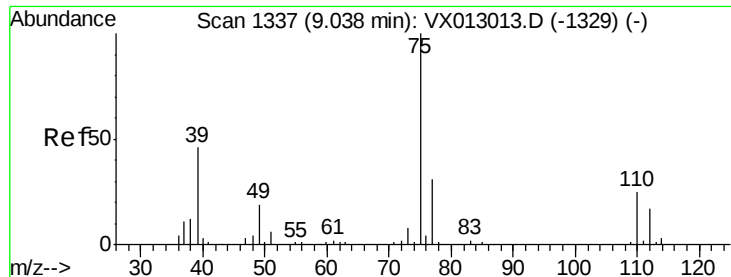
Tgt Ion: 92 Resp: 331195

Ion Ratio Lower Upper

92 100

91 166.7 135.9 203.9





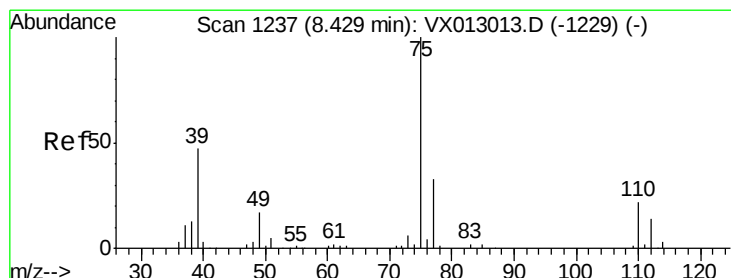
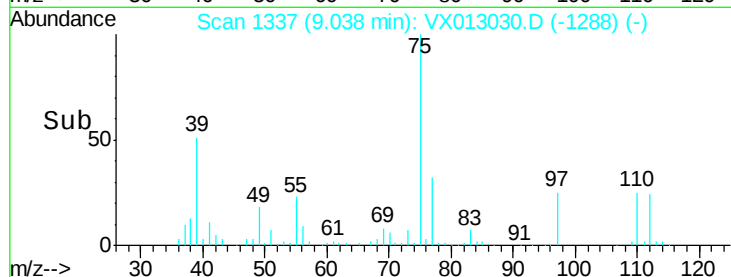
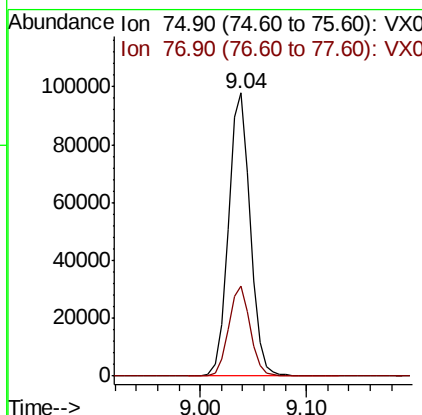
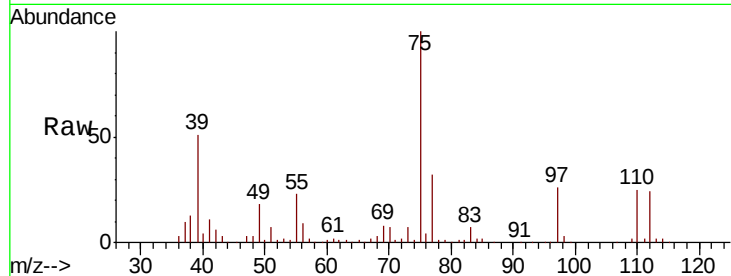
#53
t-1,3-Dichloropropene
Concen: 47.764 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3202MS

Tot Ion: 75 Resp: 140083
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6

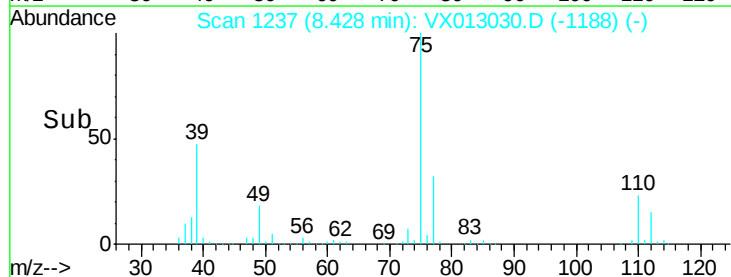
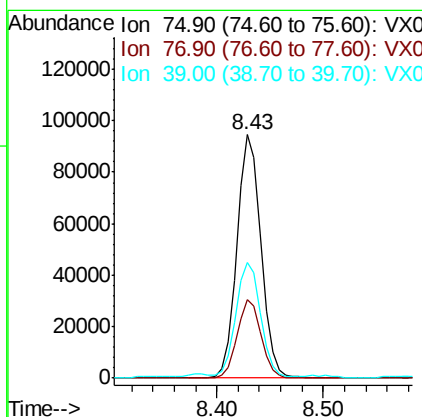
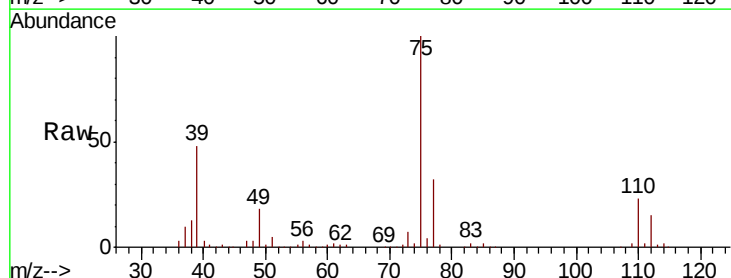
Manual Integrations
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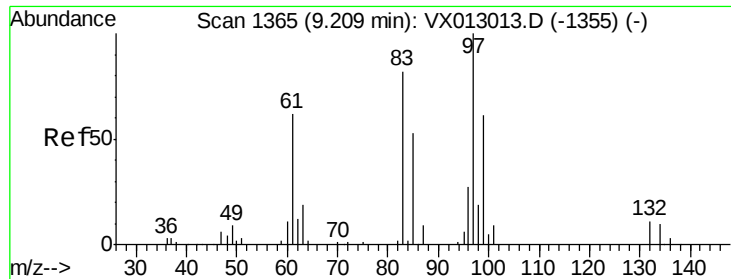
MMDadoda
10/14/2019 10:39:40 AM



#54
cis-1,3-Dichloropropene
Concen: 51.913 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Tgt Ion: 75 Resp: 150369
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.8
39 47.1 38.2 57.2





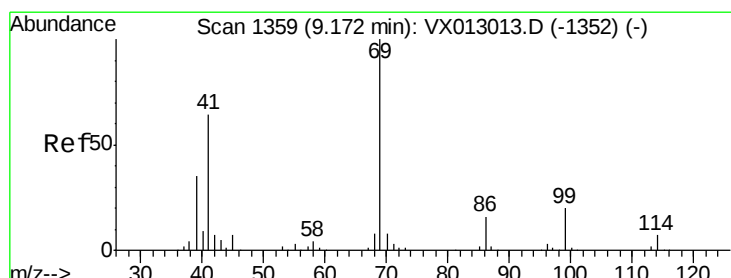
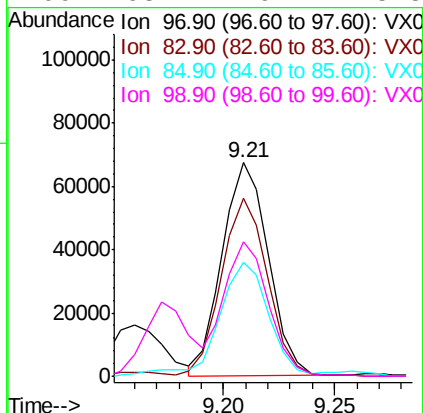
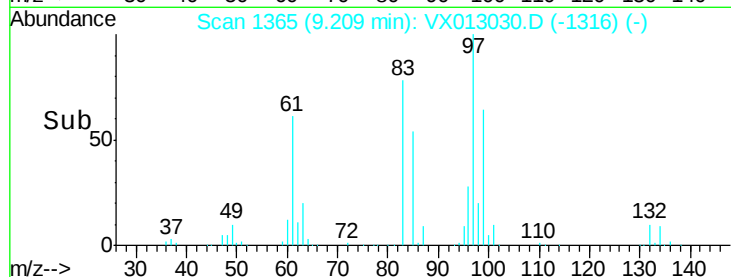
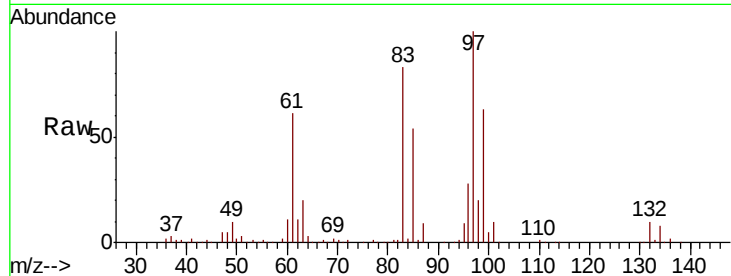
#55
 1,1,2-Trichloroethane
 Concen: 53.837 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013030.D
 Acq: 11 Oct 2019 20:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW3202MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		96870		
83	83.4	66.5	99.7		
85	51.7	43.1	64.7		
99	63.1	49.2	73.8		

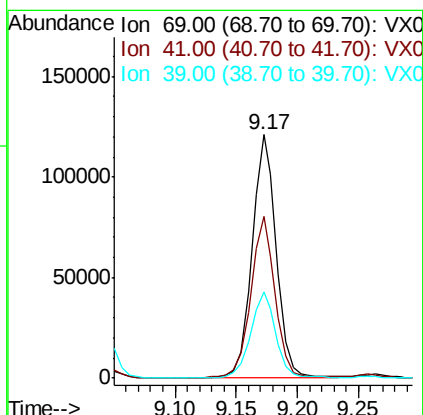
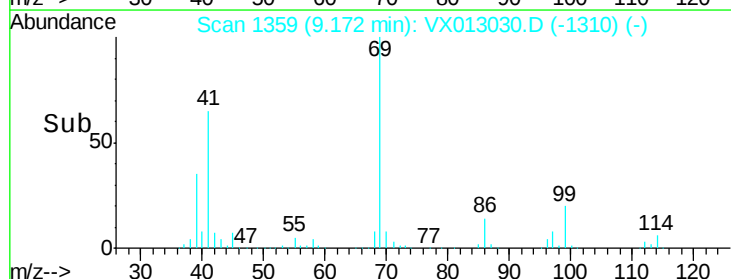
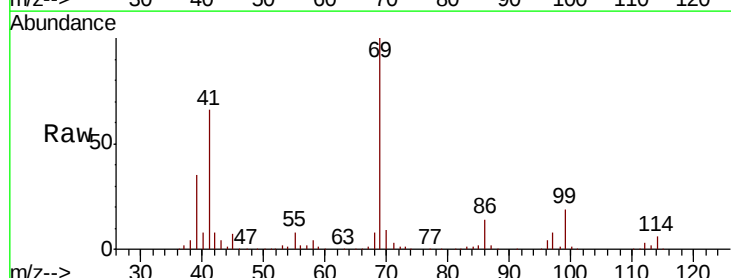
Manual Integrations
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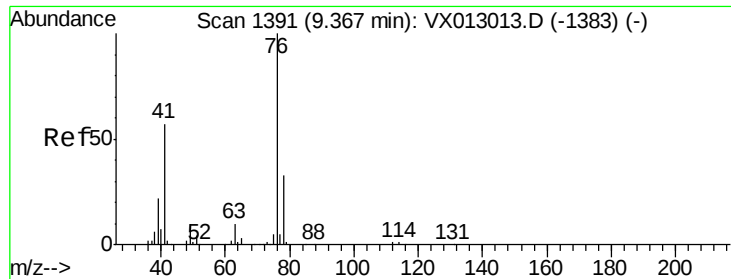
MMDadoda
 10/14/2019 10:39:40 AM



#56
 Ethyl methacrylate
 Concen: 51.671 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013030.D
 Acq: 11 Oct 2019 20:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		166691		
41	67.1	52.1	78.1		
39	36.4	27.8	41.8		





#57

1,3-Dichloropropane

Concen: 53.141 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion: 76 Resp: 165403

Ion Ratio Lower Upper

76 100

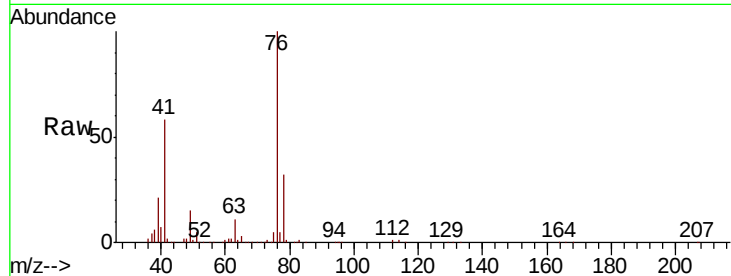
78 33.0 26.1 39.1

Manual Integrations

APPROVED

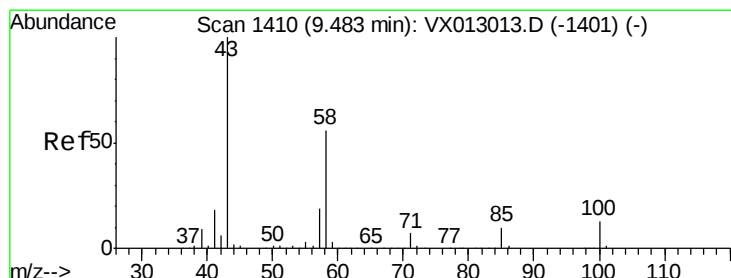
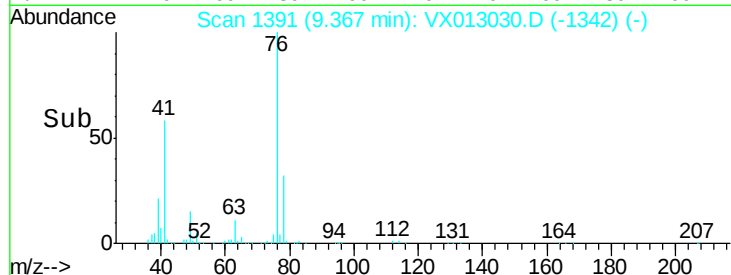
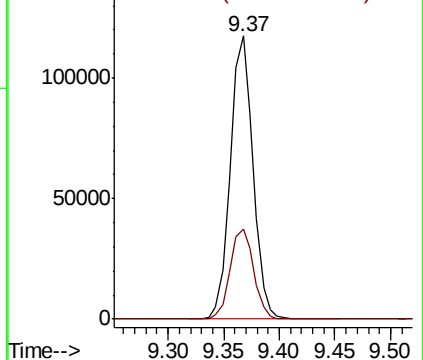
MMDadoda

10/14/2019 10:39:40 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 261.897 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX013030.D

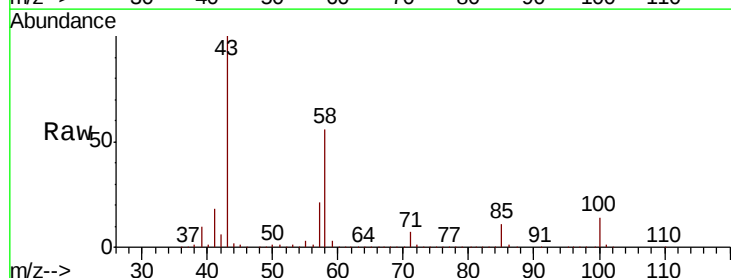
Acq: 11 Oct 2019 20:36

Tgt Ion: 43 Resp: 548931

Ion Ratio Lower Upper

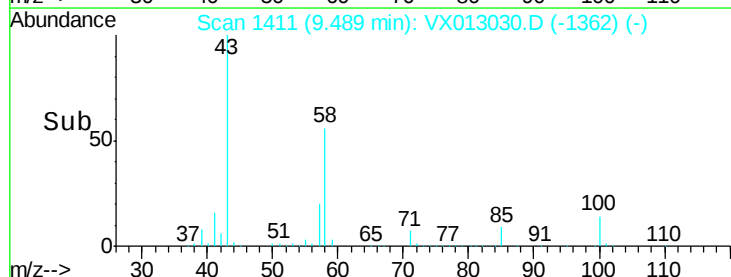
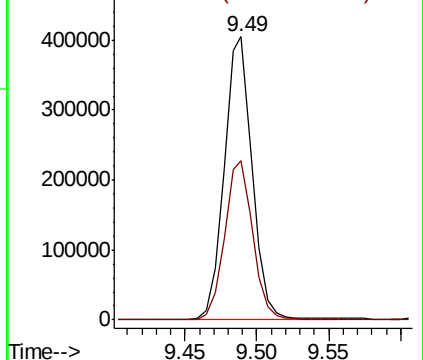
43 100

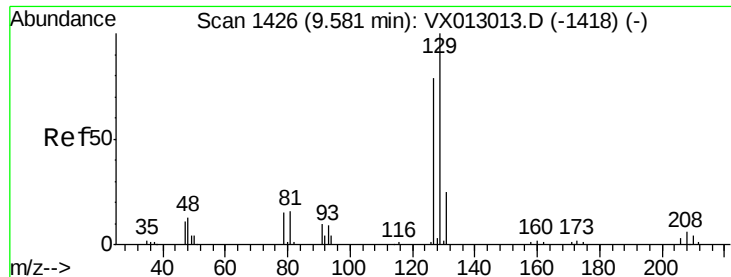
58 57.2 28.1 84.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 49.223 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion:129 Resp: 98502

Ion Ratio Lower Upper

129 100

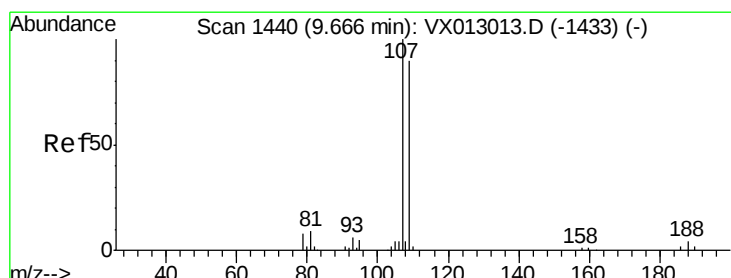
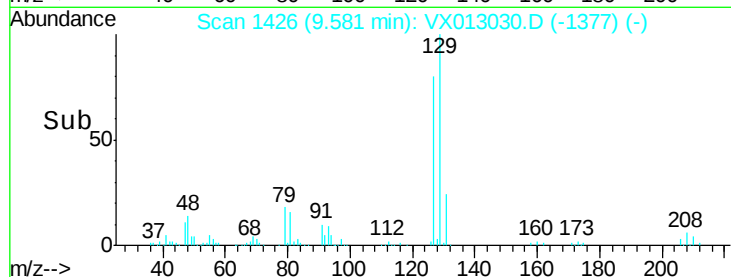
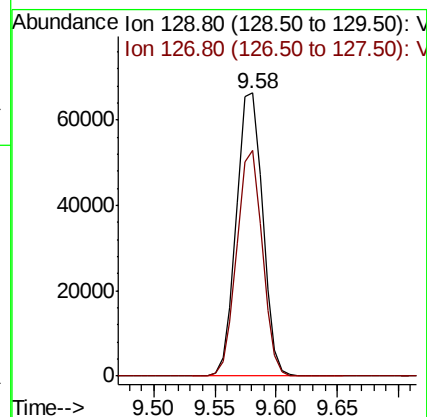
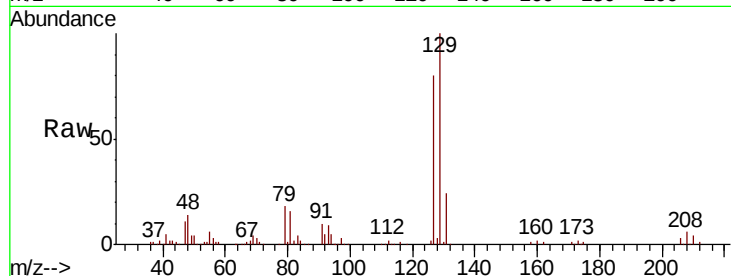
127 77.5 38.9 116.7

Manual Integrations

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10/14/2019 10:39:40 AM



#61

1,2-Dibromoethane

Concen: 54.649 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013030.D

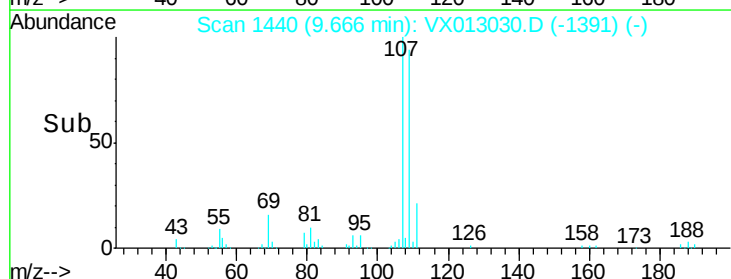
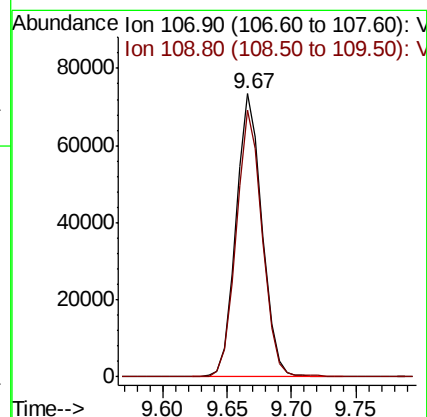
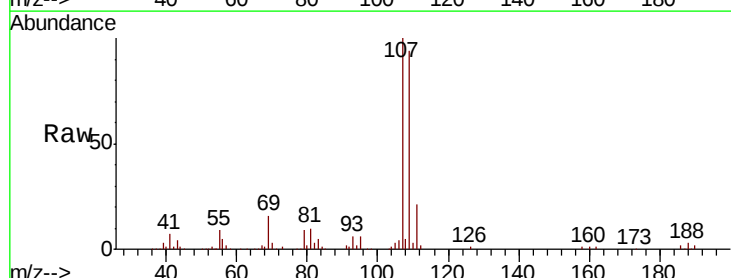
Acq: 11 Oct 2019 20:36

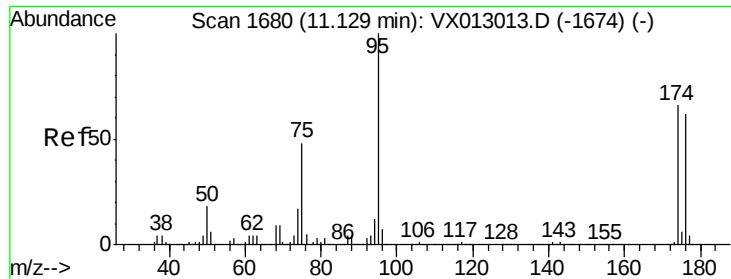
Tgt Ion:107 Resp: 103440

Ion Ratio Lower Upper

107 100

109 94.0 75.8 113.6





#62

4-Bromofluorobenzene

Concen: 52.502 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion: 95 Resp: 124982

Ion Ratio Lower Upper

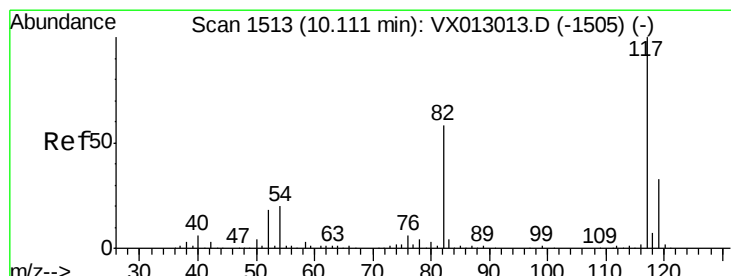
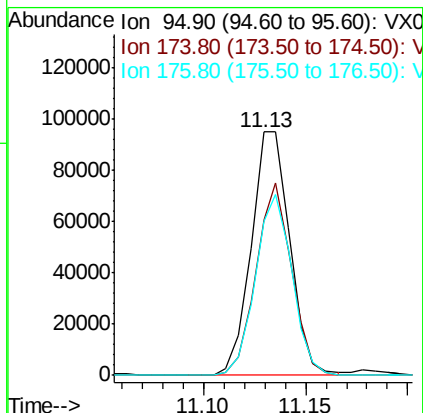
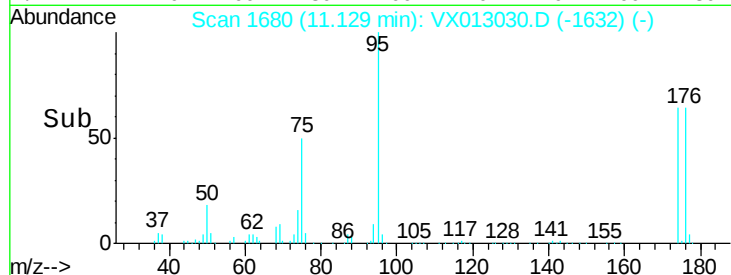
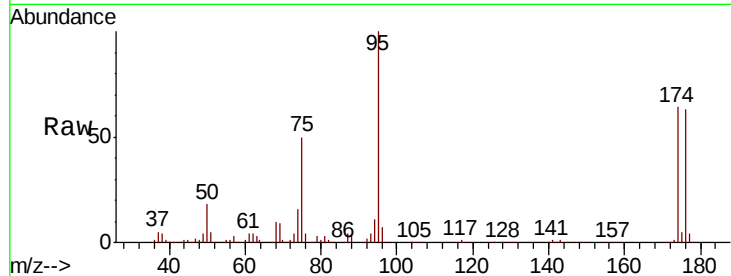
95 100

174 72.7 0.0 143.4

176 70.6 0.0 136.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

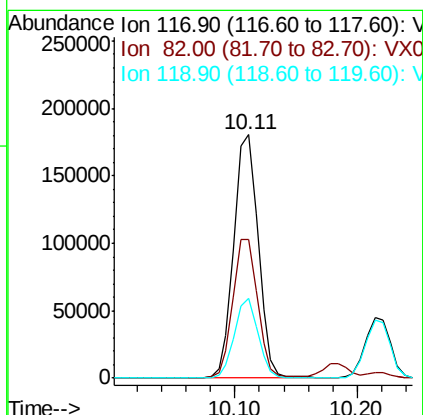
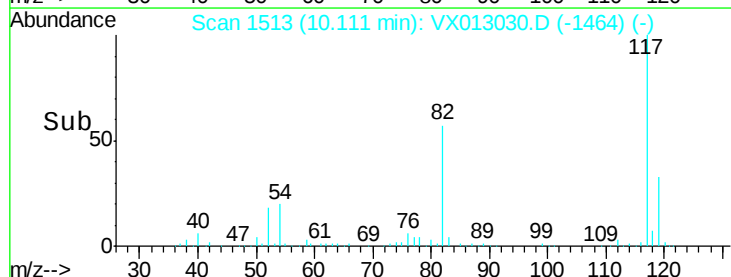
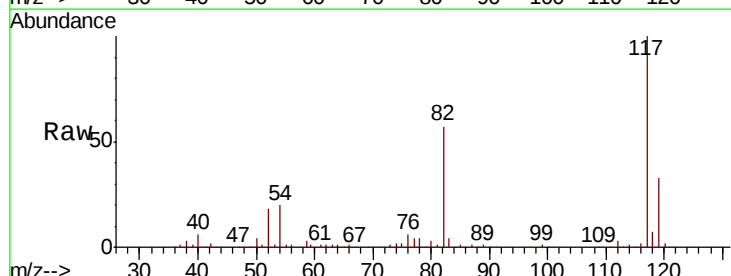
Tgt Ion: 117 Resp: 249290

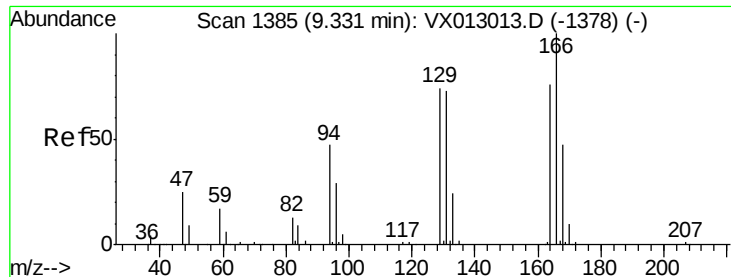
Ion Ratio Lower Upper

117 100

82 57.0 44.1 66.1

119 32.7 25.8 38.8





#64

Tetrachloroethene

Concen: 46.938 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion:164 Resp: 81160

Ion Ratio Lower Upper

164 100

166 126.2 96.9 145.3

129 99.3 77.9 116.9

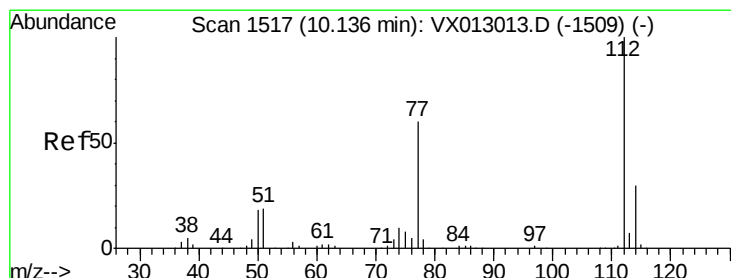
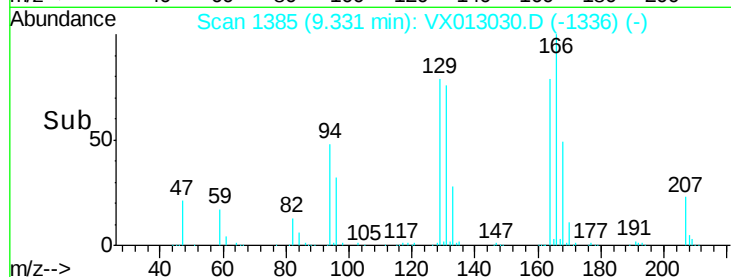
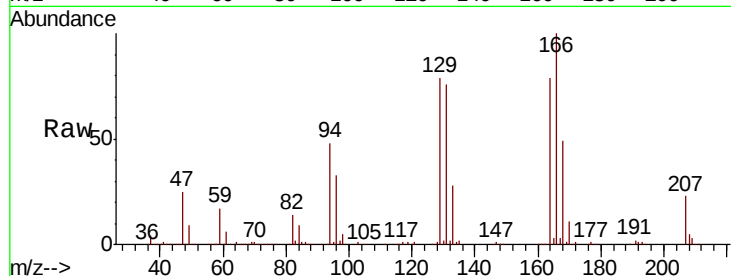
131 95.4 72.7 109.1

Manual Integrations

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#65

Chlorobenzene

Concen: 51.728 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013030.D

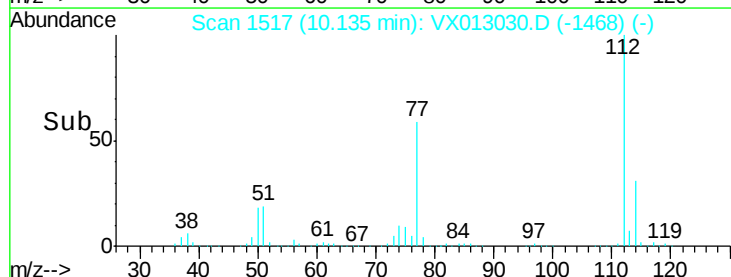
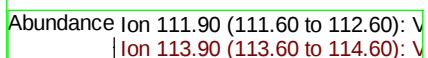
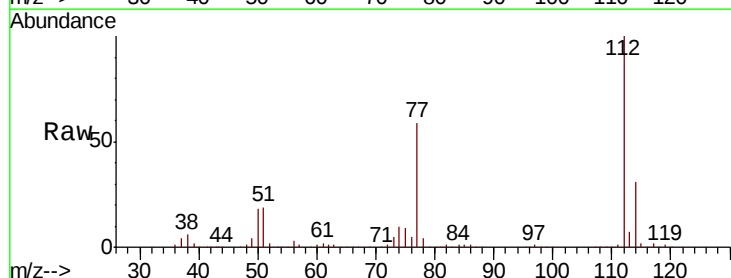
Acq: 11 Oct 2019 20:36

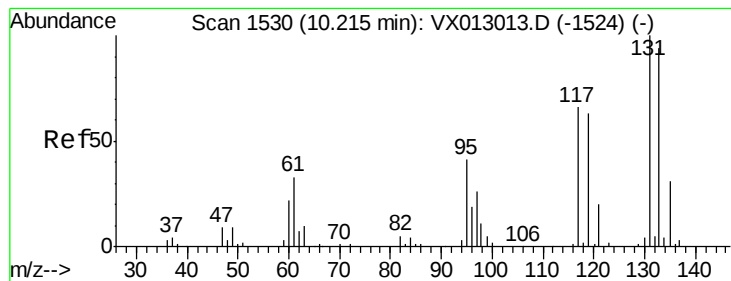
Tgt Ion:112 Resp: 256081

Ion Ratio Lower Upper

112 100

114 31.2 25.7 38.5





#66

1,1,1,2-Tetrachloroethane

Concen: 53.958 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion:131 Resp: 92617

Ion Ratio Lower Upper

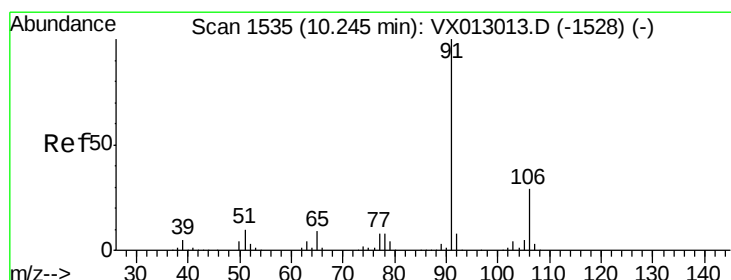
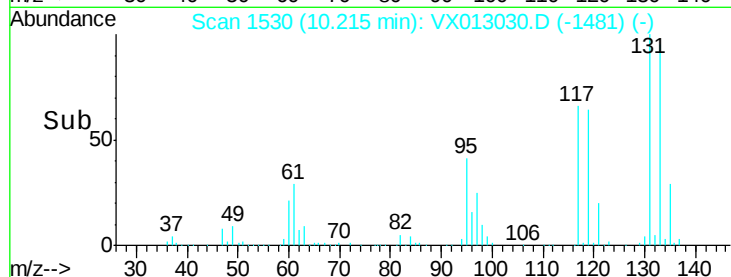
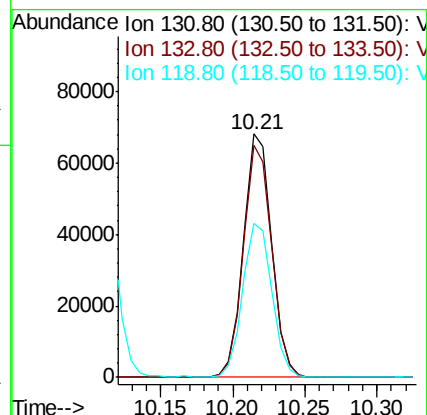
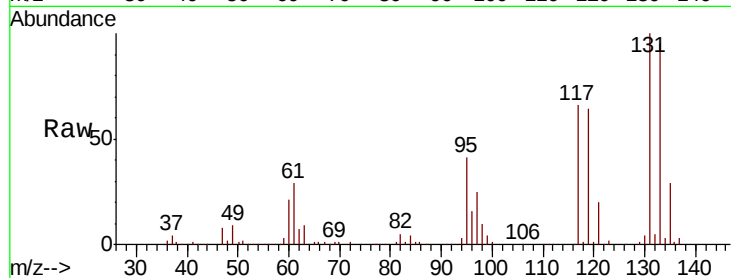
131 100

133 95.7 47.2 141.6

119 65.6 32.6 98.0

Manual Integrations
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#67

Ethyl Benzene

Concen: 98.756 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013030.D

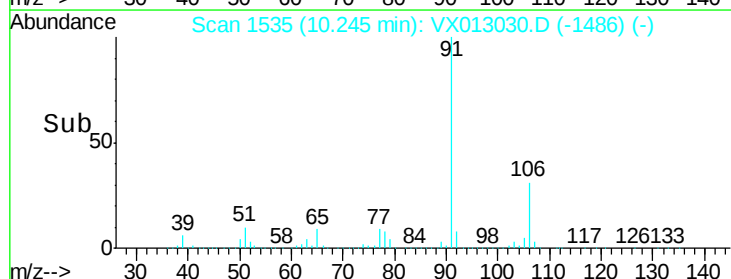
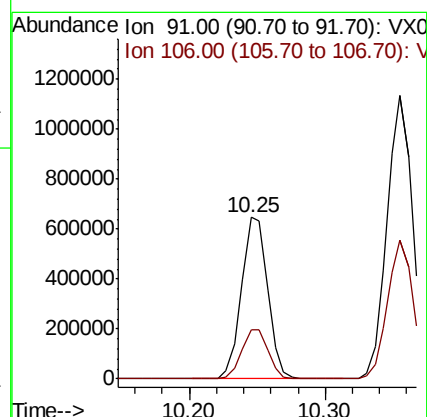
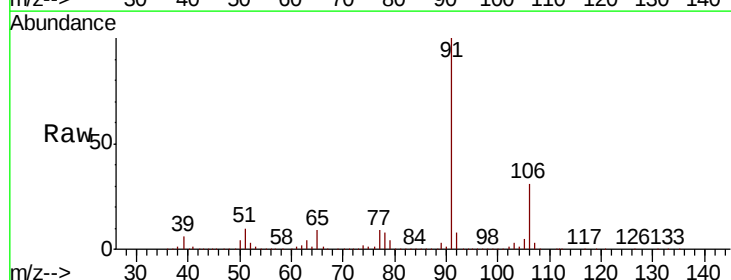
Acq: 11 Oct 2019 20:36

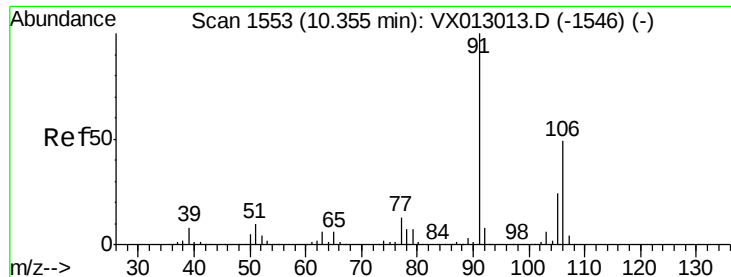
Tgt Ion: 91 Resp: 868414

Ion Ratio Lower Upper

91 100

106 30.6 23.9 35.9





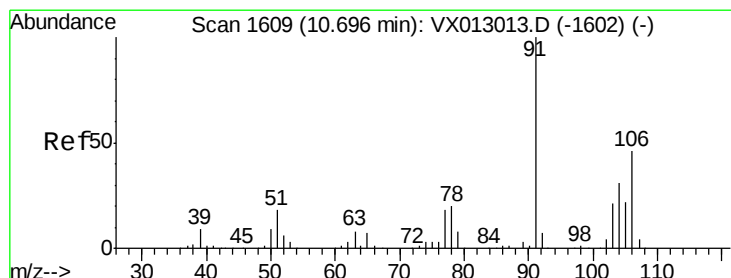
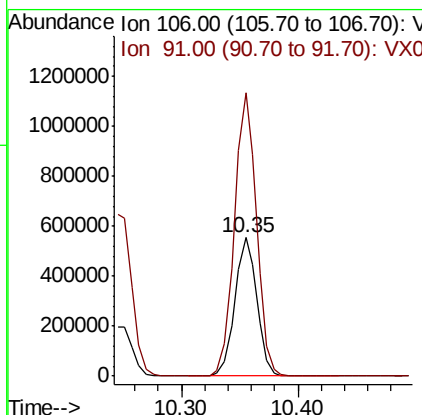
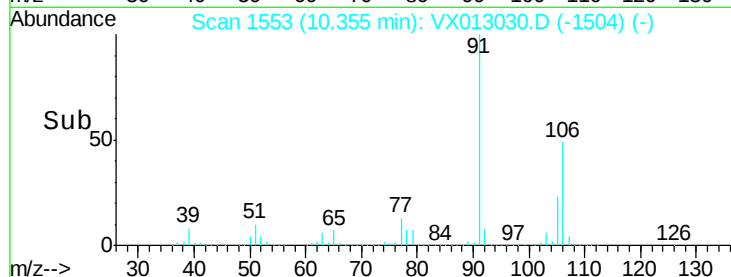
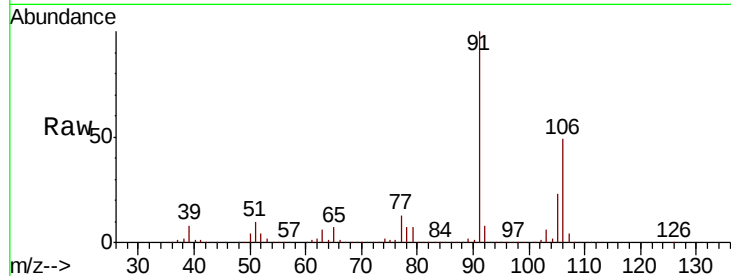
#68
m/p-Xvlenes
Concen: 221.686 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3202MS

Tot Ion:106 Resp: 728261
Ion Ratio Lower Upper
106 100
91 205.5 165.3 247.9

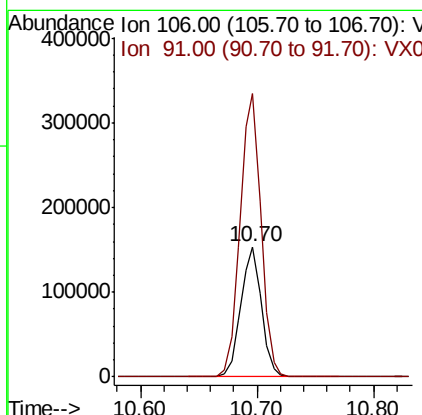
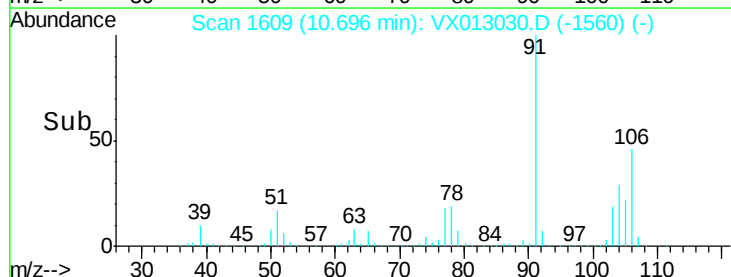
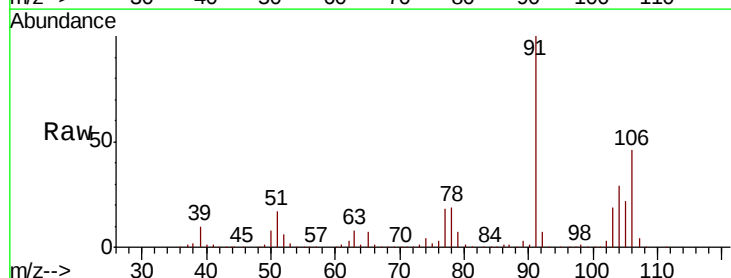
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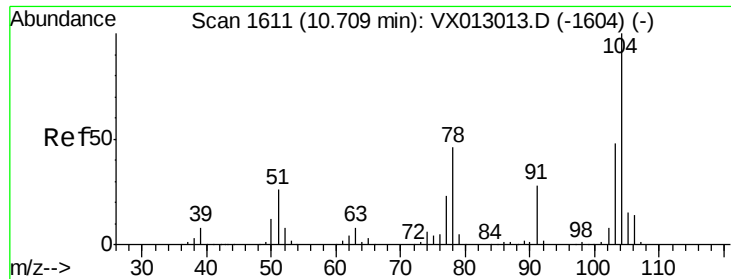
MMDadoda
10/14/2019 10:39:40 AM



#69
o-Xylene
Concen: 59.238 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Tgt Ion:106 Resp: 189772
Ion Ratio Lower Upper
106 100
91 221.3 109.1 327.3





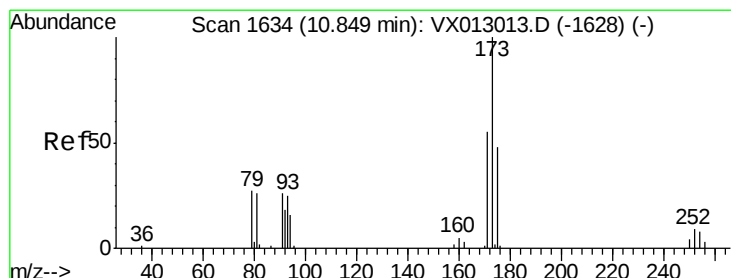
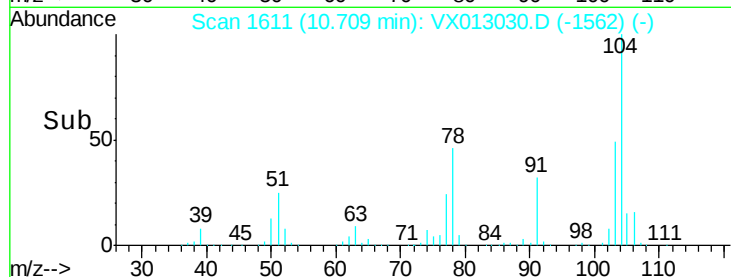
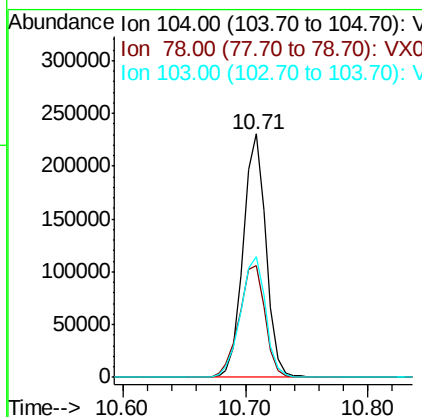
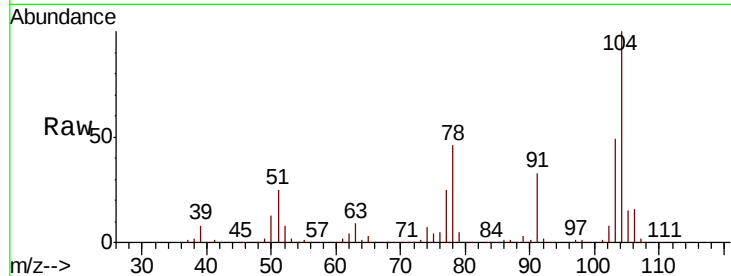
#70
Stvrene
Concen: 54.406 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3202MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.4	41.2	61.8
103	54.5	43.0	64.4

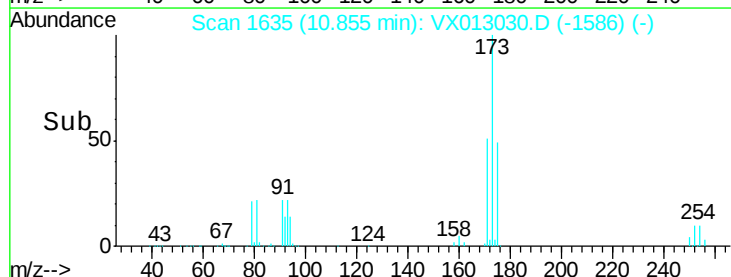
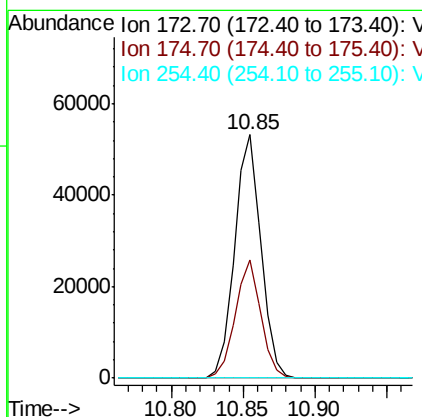
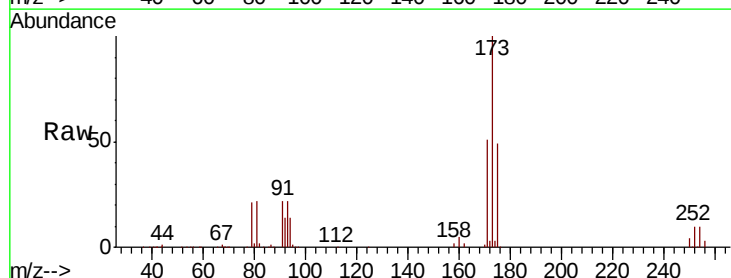
Manual Integrations
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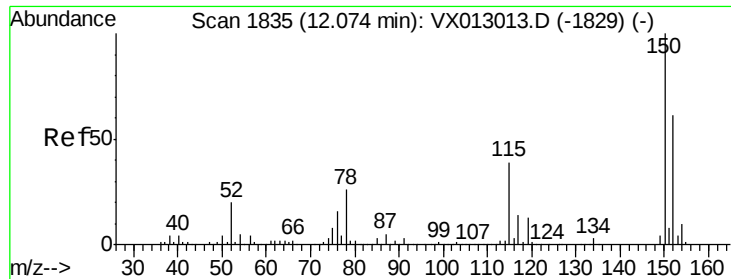
MMDadoda
10/14/2019 10:39:40 AM



#71
Bromoform
Concen: 46.661 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.1	72.3
254	0.0	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: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion:152 Resp: 117879

Ion Ratio Lower Upper

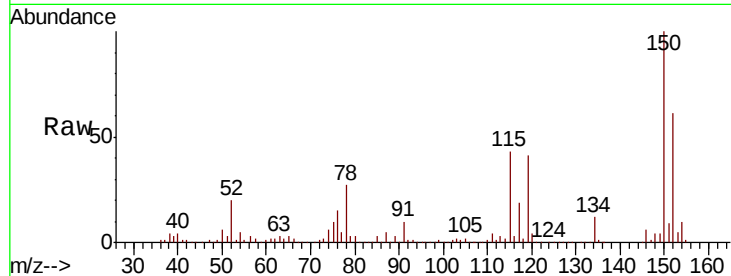
152 100

115 91.4 44.5 133.5

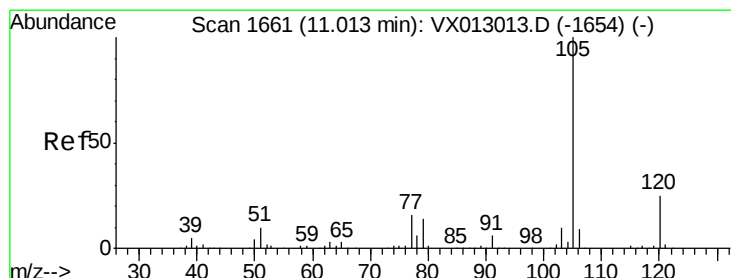
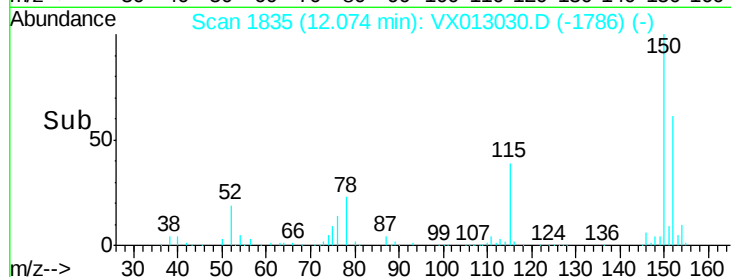
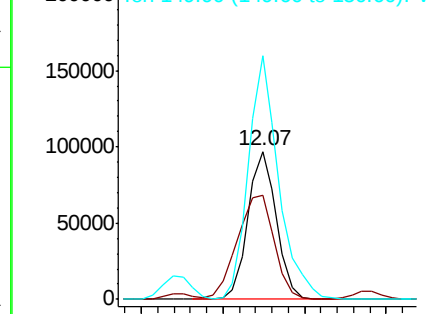
150 175.3 0.0 353.4

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: 67.277 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013030.D

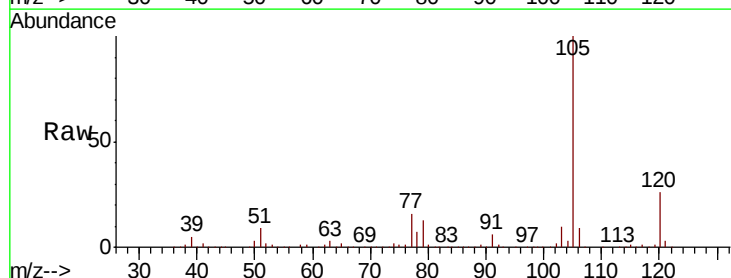
Acq: 11 Oct 2019 20:36

Tgt Ion:105 Resp: 583066

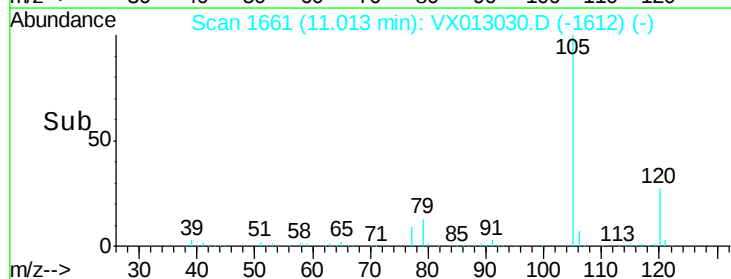
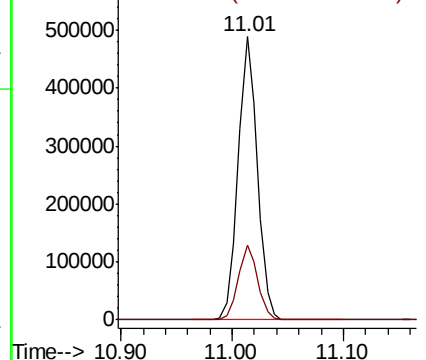
Ion Ratio Lower Upper

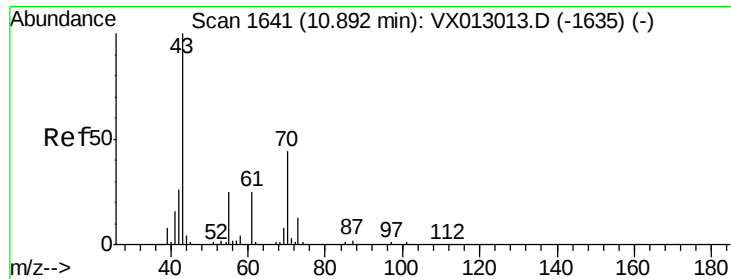
105 100

120 26.2 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: 52.567 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

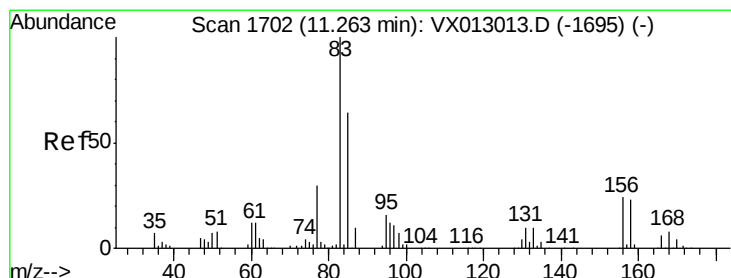
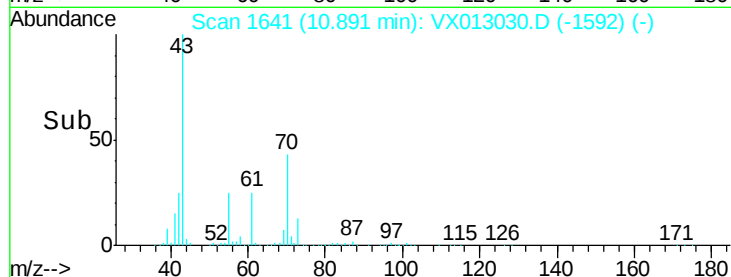
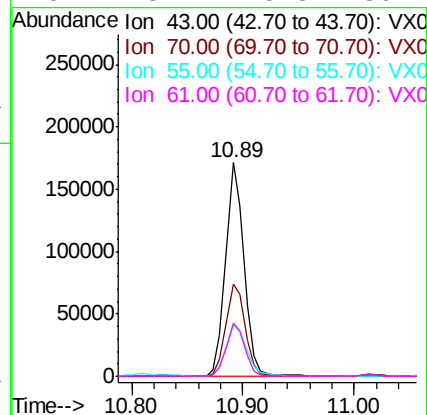
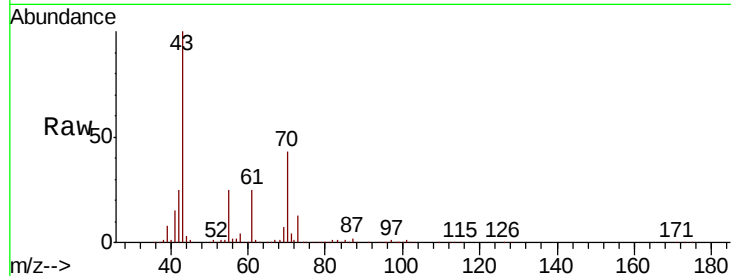
ClientSampleId :

FA19-JMW3202MS

Tot Ion	43	Resp	196210
Ion Ratio	Lower	Upper	
43	100		
70	45.7	36.4	54.6
55	27.5	20.2	30.2
61	25.1	20.5	30.7

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 53.596 ug/l

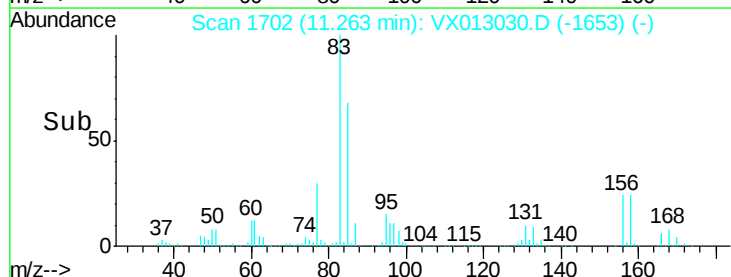
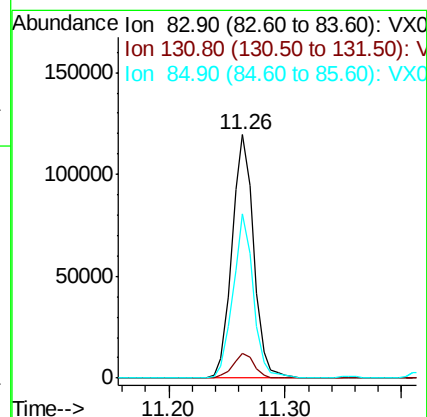
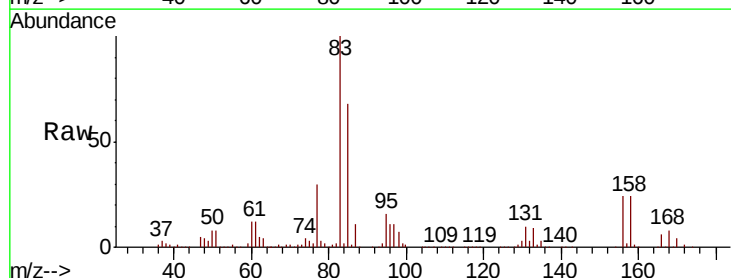
RT: 11.26 min Scan# 1702

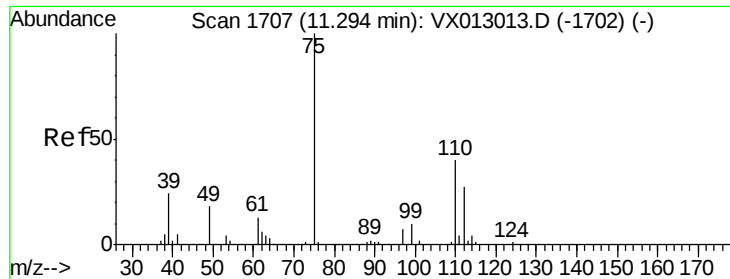
Delta R.T. -0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Tgt Ion	83	Resp	154494
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.3
85	63.6	32.1	96.5





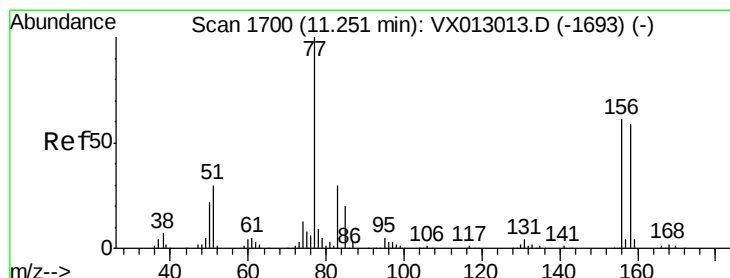
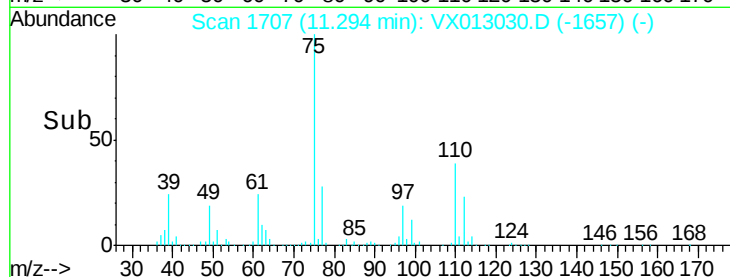
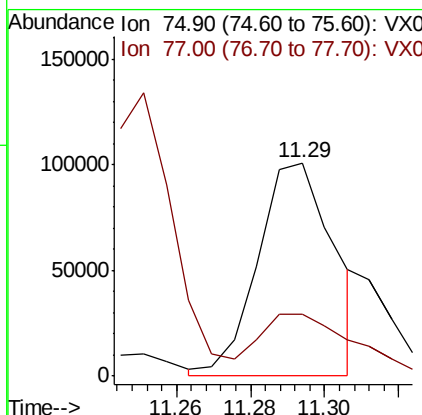
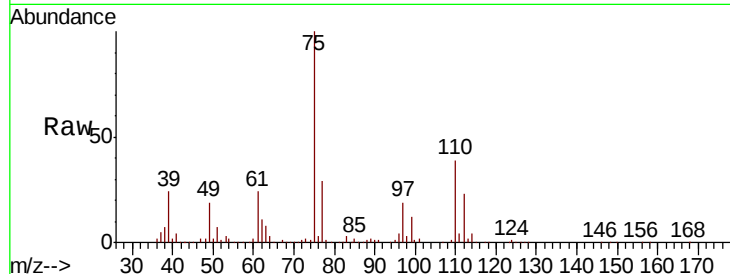
#76
 1,2,3-Trichloropropane
 Concen: 54.904 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX013030.D
 Acq: 11 Oct 2019 20:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW3202MS

Tot Ion: 75 Resp: 143548
 Ion Ratio Lower Upper
 75 100
 77 36.4 22.9 68.8

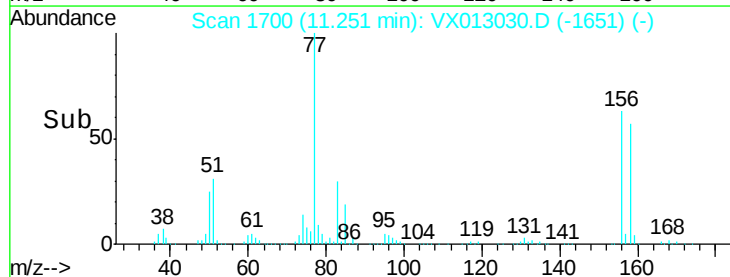
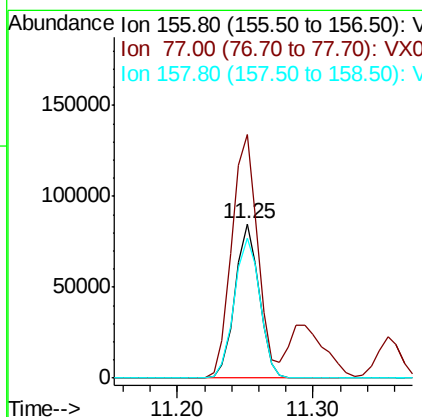
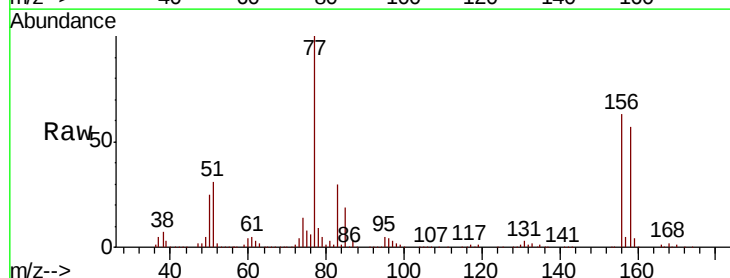
Manual Integrations
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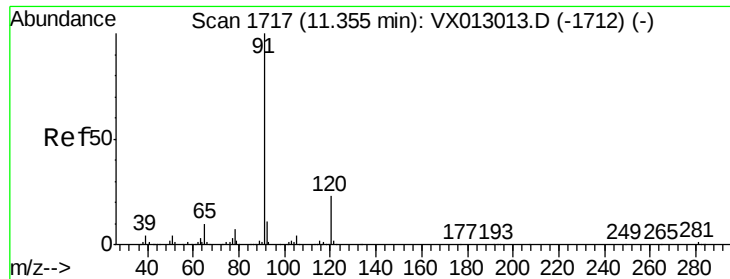
MMDadoda
 10/14/2019 10:39:40 AM



#77
 Bromobenzene
 Concen: 51.435 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VX013030.D
 Acq: 11 Oct 2019 20:36

Tgt Ion: 156 Resp: 105045
 Ion Ratio Lower Upper
 156 100
 77 170.4 83.7 251.0
 158 96.5 48.6 145.9





#78

n-propylbenzene

Concen: 71.590 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion: 91 Resp: 682719

Ion Ratio Lower Upper

91 100

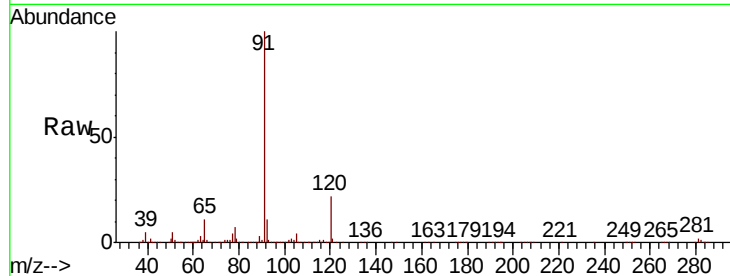
120 23.2 11.7 35.1

Manual Integrations

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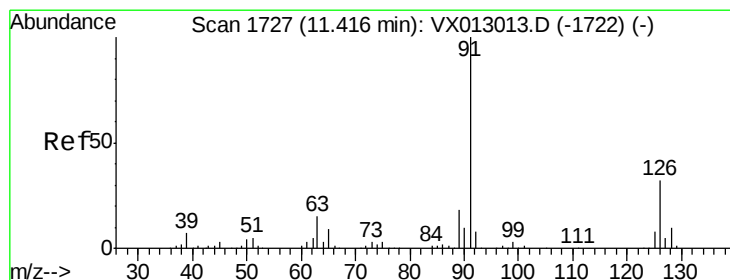
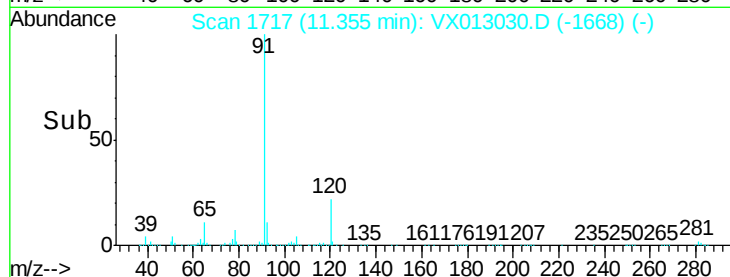
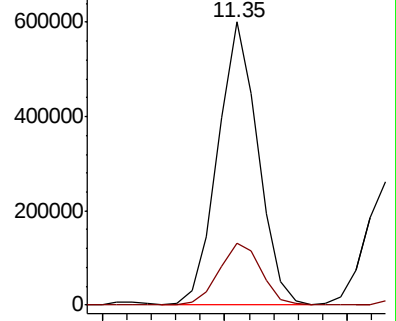
MMDadoda

10/14/2019 10:39:40 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 59.995 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013030.D

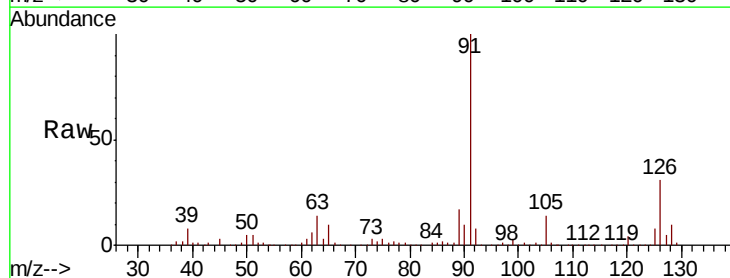
Acq: 11 Oct 2019 20:36

Tgt Ion: 91 Resp: 359573

Ion Ratio Lower Upper

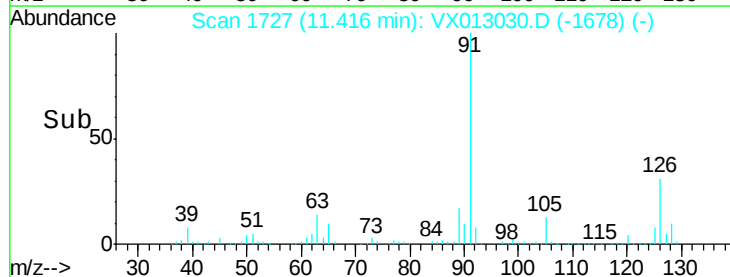
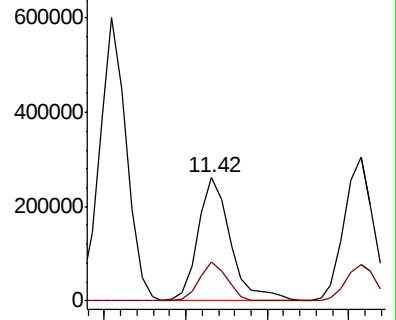
91 100

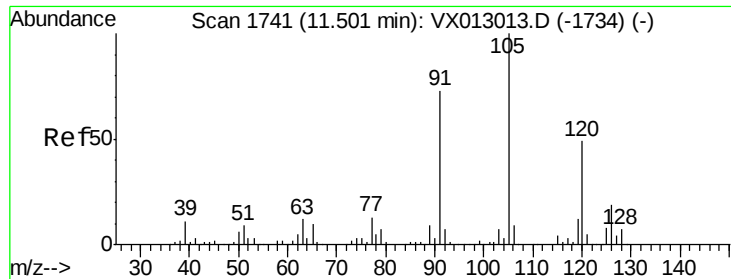
126 27.7 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





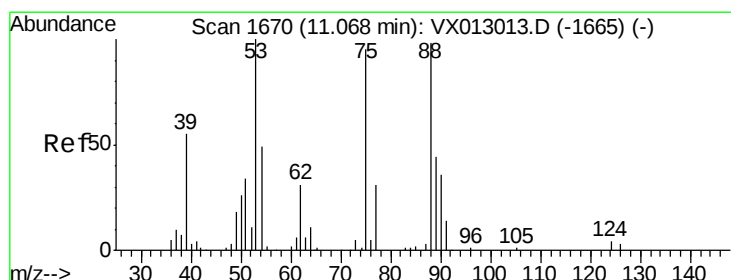
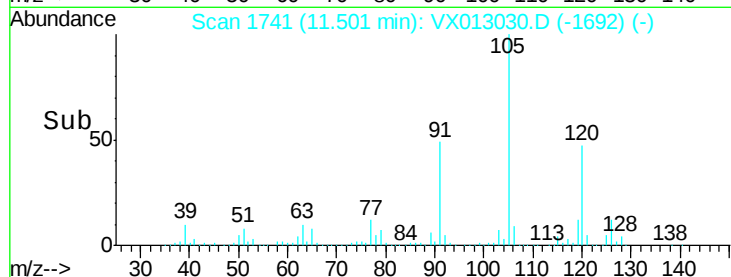
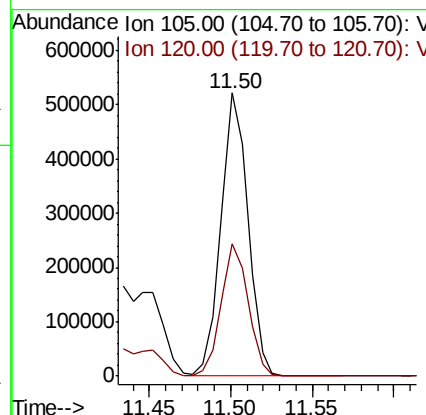
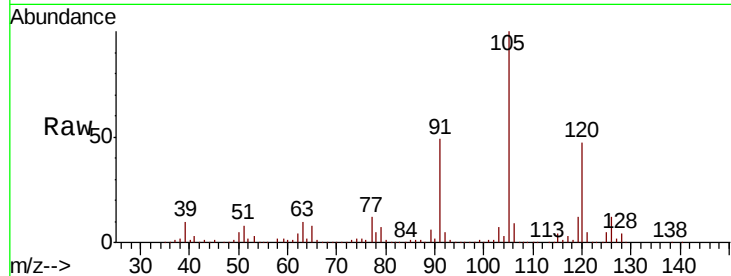
#80
 1,3,5-Trimethylbenzene
 Concen: 83.531 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013030.D
 Acq: 11 Oct 2019 20:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW3202MS

Tot Ion: 105 Resp: 604487
 Ion Ratio Lower Upper
 105 100
 120 46.8 24.8 74.3

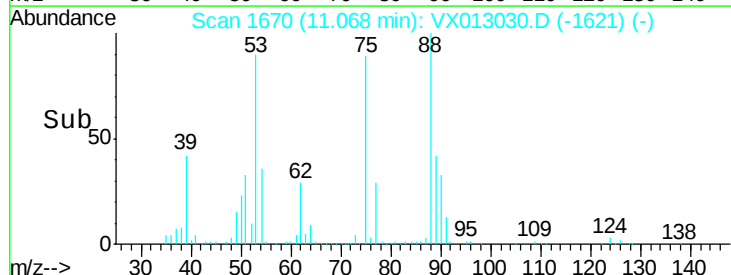
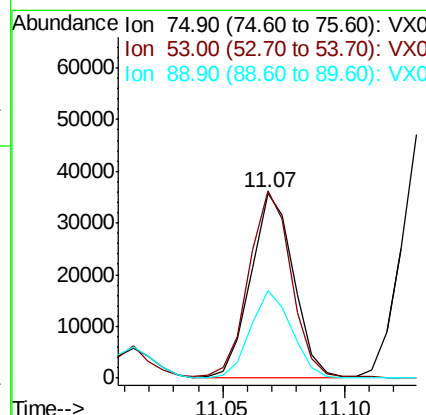
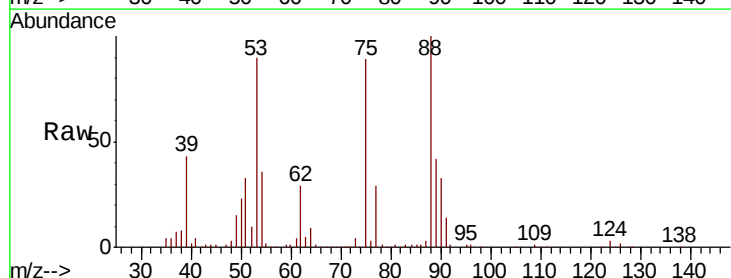
Manual Integrations
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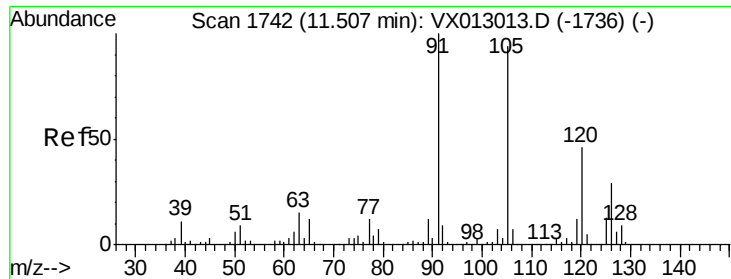
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.249 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX013030.D
 Acq: 11 Oct 2019 20:36

Tgt Ion: 75 Resp: 43363
 Ion Ratio Lower Upper
 75 100
 53 101.4 78.5 117.7
 89 46.7 37.4 56.2





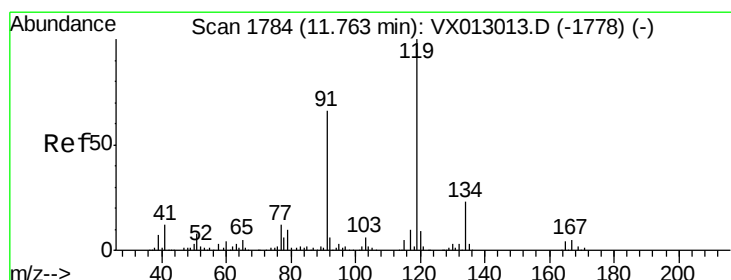
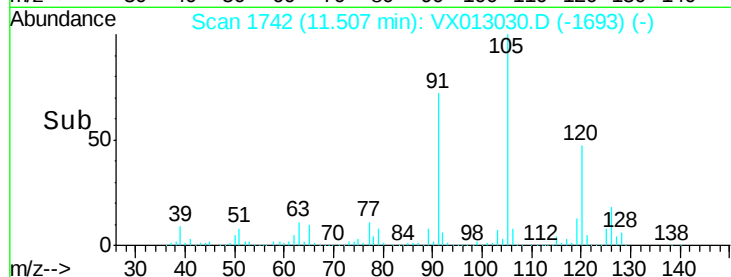
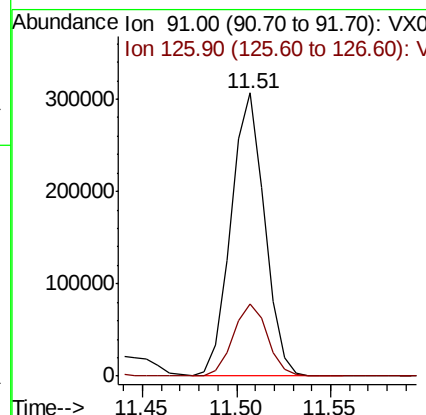
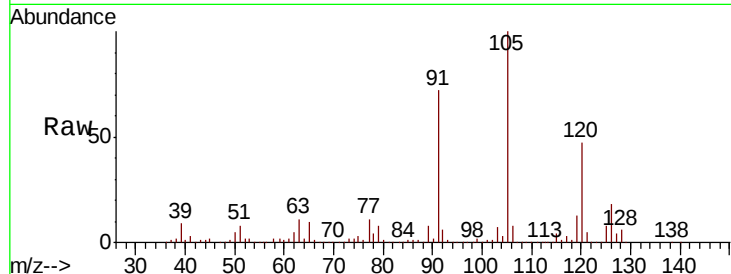
#82
4-Chlorotoluene
Concen: 55.218 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3202MS

Tot Ion: 91 Resp: 379325
Ion Ratio Lower Upper
91 100
126 26.0 14.2 42.6

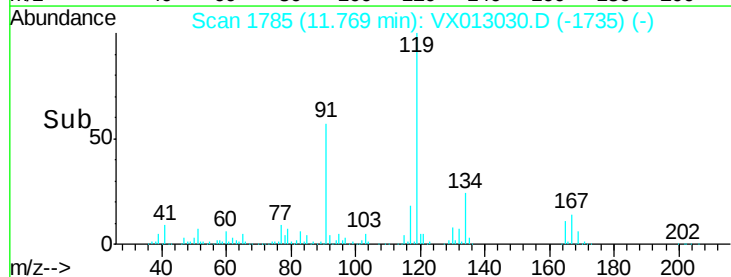
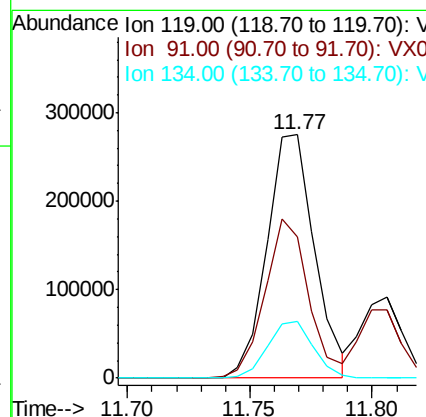
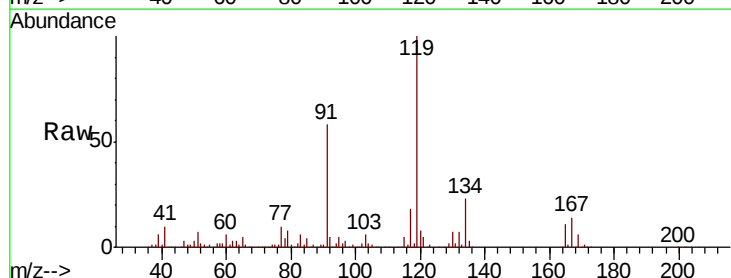
Manual Integrations
APPROVED

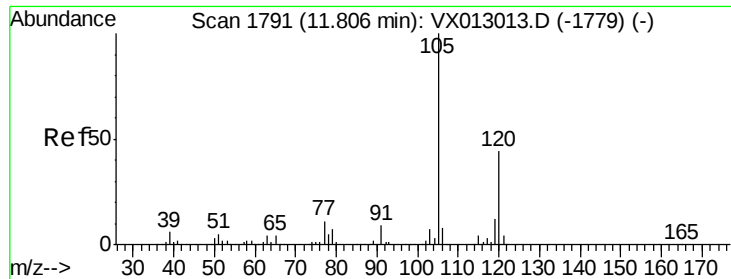
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#83
tert-Butylbenzene
Concen: 53.236 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Tgt Ion: 119 Resp: 375811
Ion Ratio Lower Upper
119 100
91 60.1 29.3 87.9
134 22.6 11.5 34.4





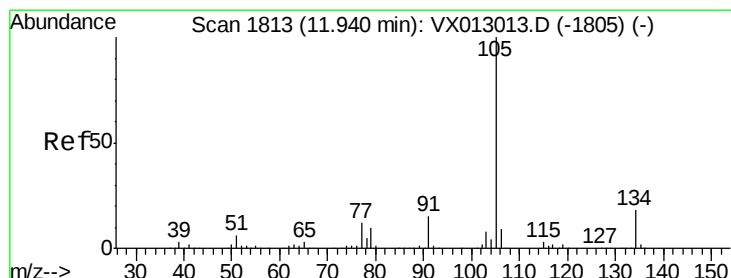
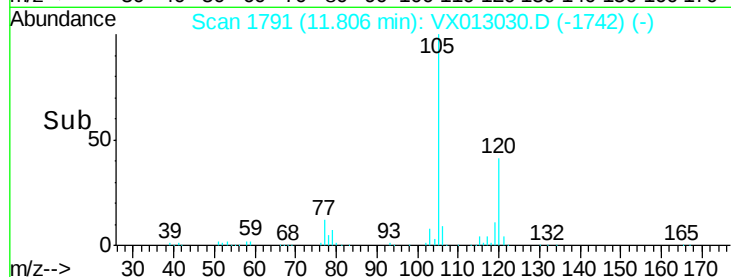
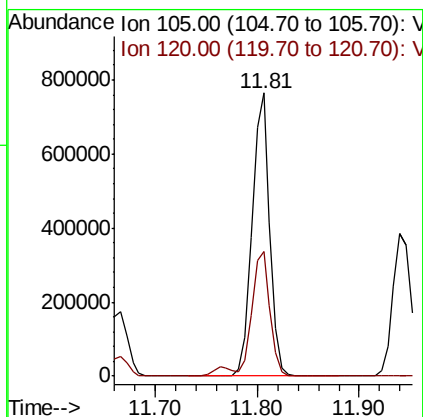
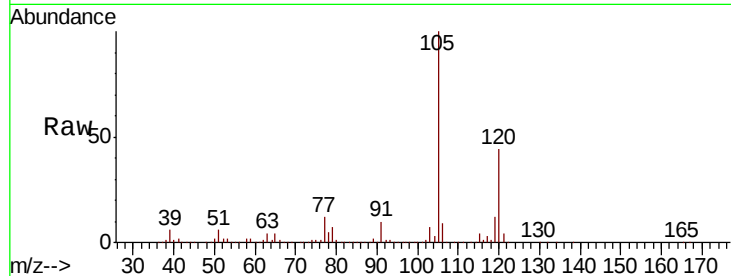
#84
1,2,4-Trimethylbenzene
Concen: 125.526 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3202MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.9	21.8	65.3

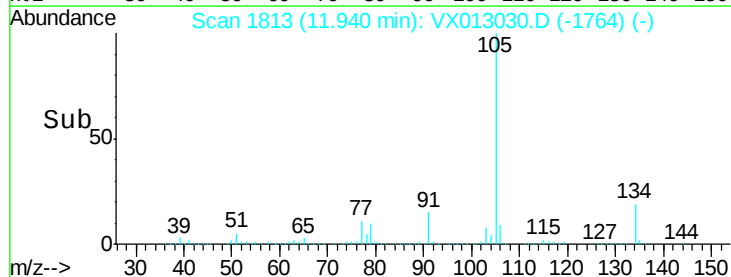
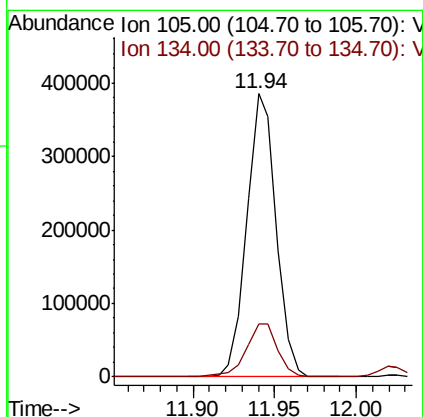
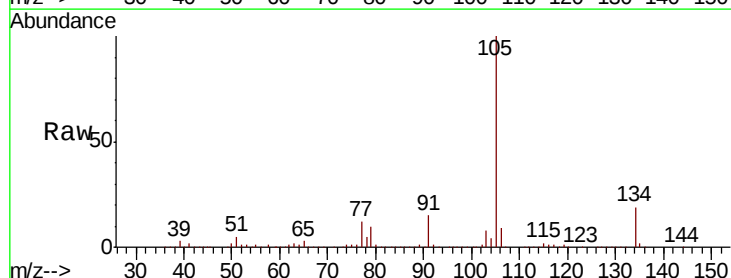
Manual Integrations
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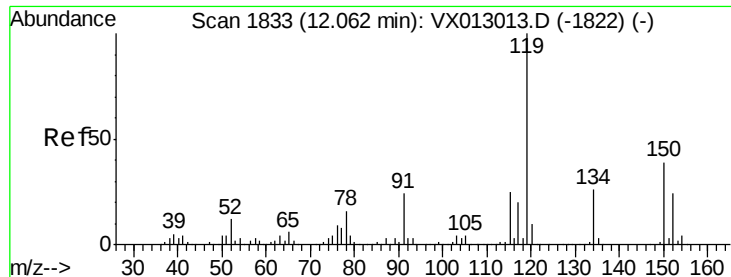
MMDadoda
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#85
sec-Butylbenzene
Concen: 58.867 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.0	30.0





#86

p-Isopropyltoluene

Concen: 55.356 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3202MS

Tot Ion:119 Resp: 419887

Ion Ratio Lower Upper

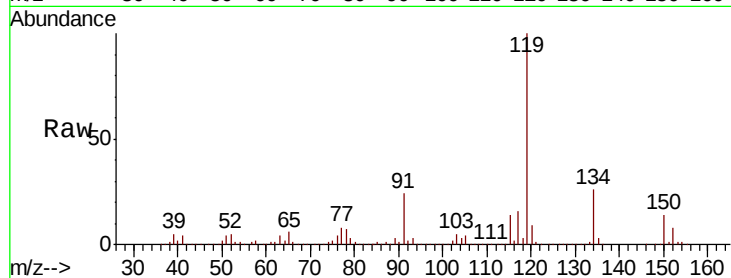
119 100

134 26.2 12.6 37.8

91 25.4 12.4 37.4

Manual Integrations
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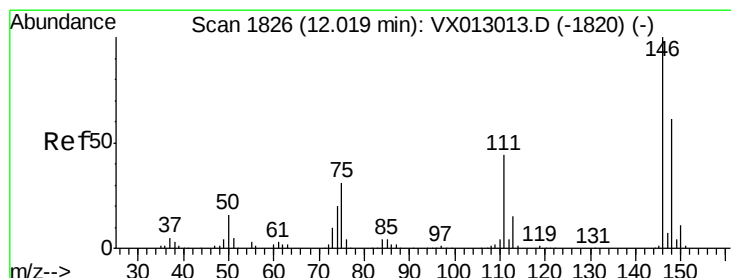
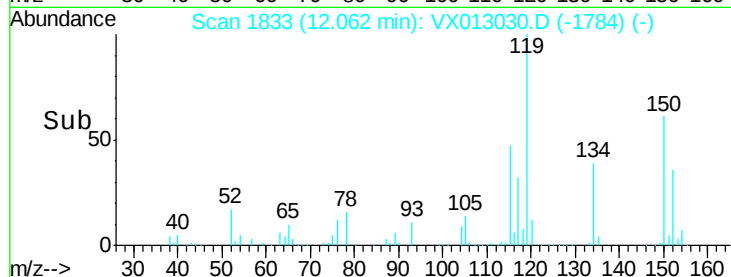
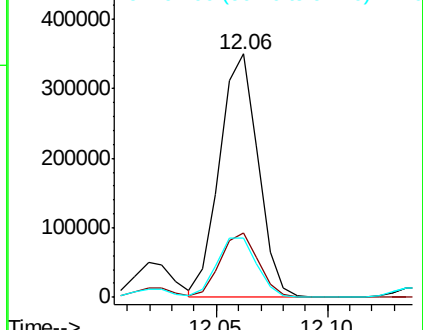
MMDadoda
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 50.342 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

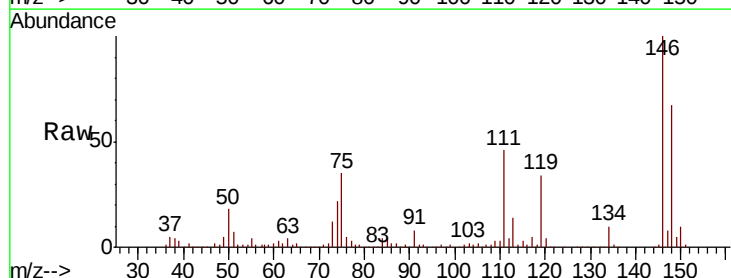
Tgt Ion:146 Resp: 190923

Ion Ratio Lower Upper

146 100

111 44.3 21.1 63.4

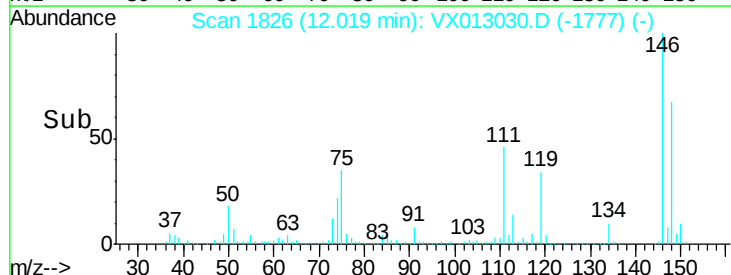
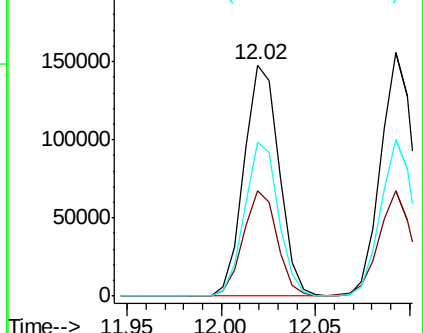
148 64.5 31.6 95.0

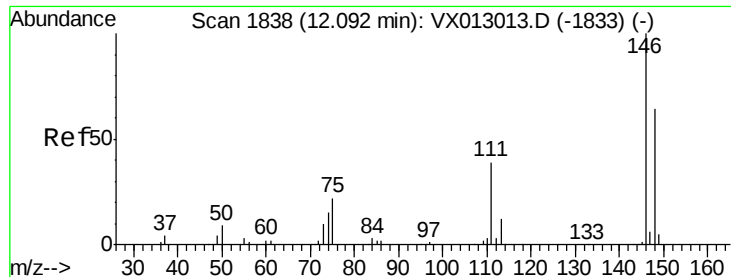


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 49.746 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

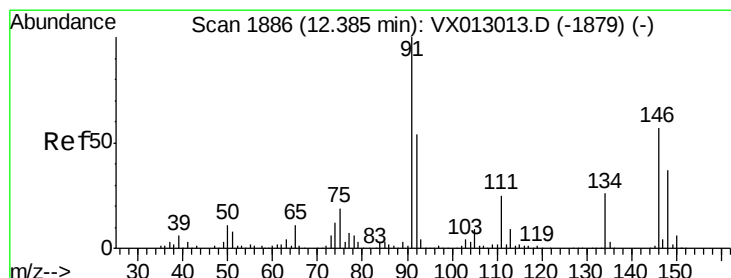
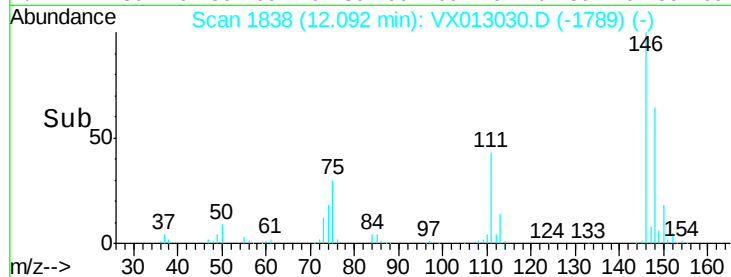
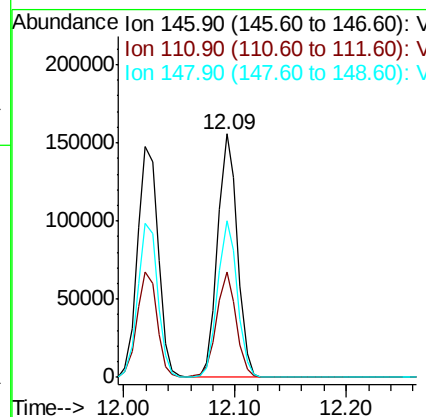
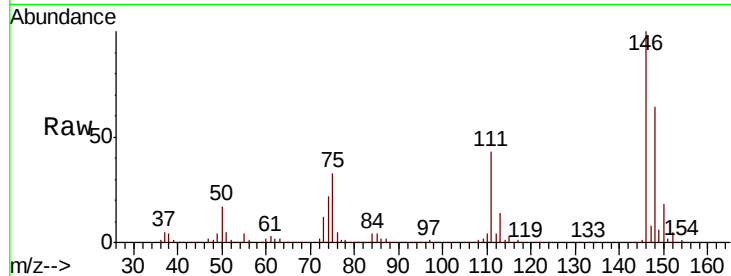
ClientSampleId :

FA19-JMW3202MS

Tot Ion:	146	Resp:	191071
Ion Ratio	Lower	Upper	
146	100		
111	42.9	21.4	64.3
148	64.3	32.1	96.5

Manual Integrations
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#89

n-Butylbenzene

Concen: 60.255 ug/l

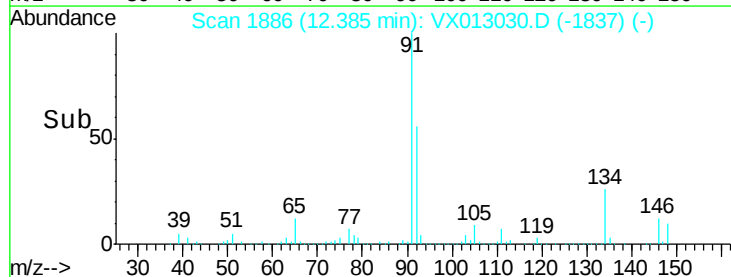
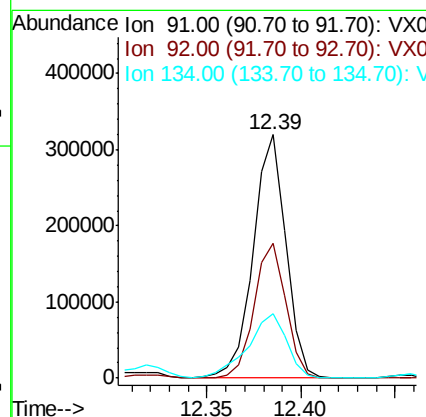
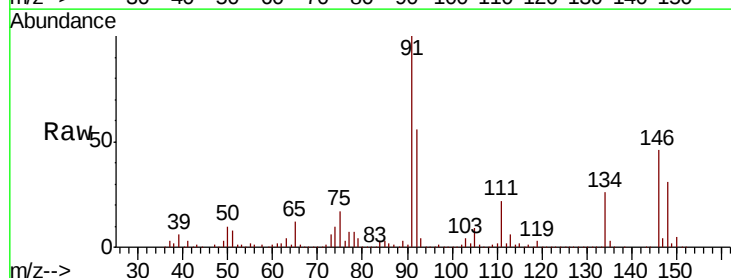
RT: 12.39 min Scan# 1886

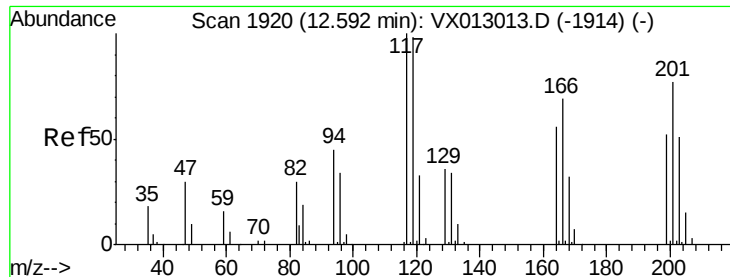
Delta R.T. -0.00 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Tgt Ion:	91	Resp:	384127
Ion Ratio	Lower	Upper	
91	100		
92	54.0	27.5	82.5
134	32.0	12.9	38.7





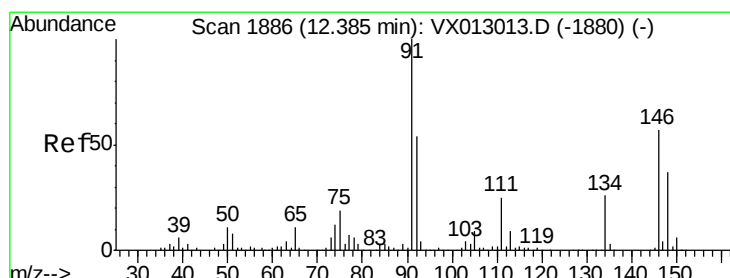
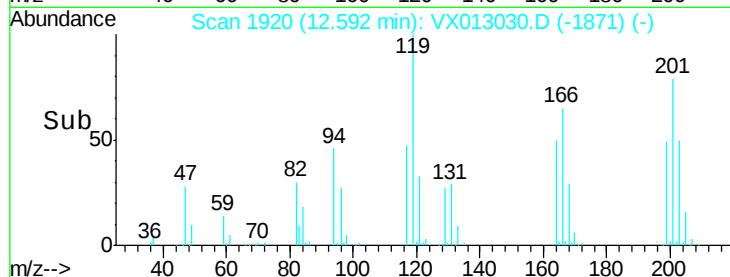
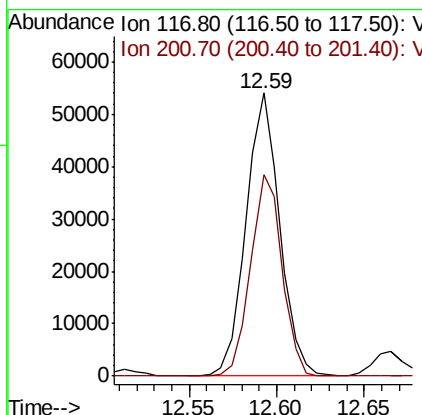
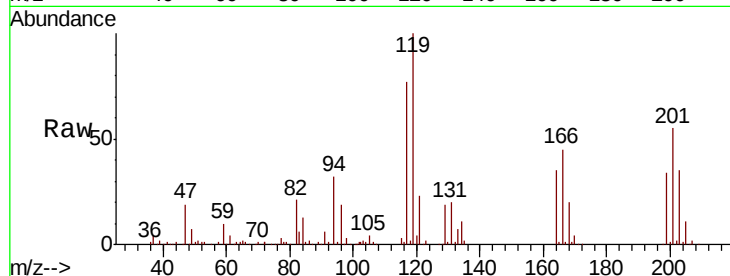
#90
Hexachloroethane
Concen: 51.425 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3202MS

Tot Ion:117 Resp: 72333
Ion Ratio Lower Upper
117 100
201 66.3 36.9 110.7

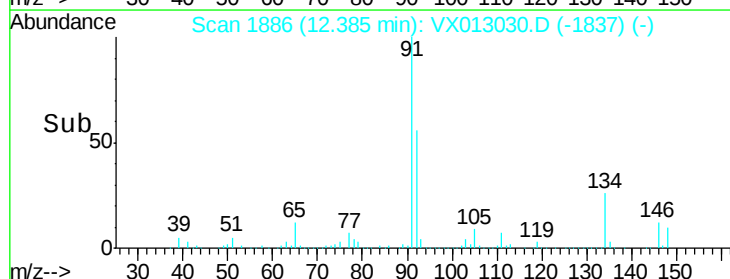
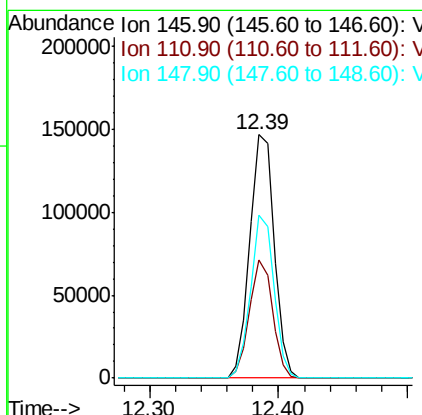
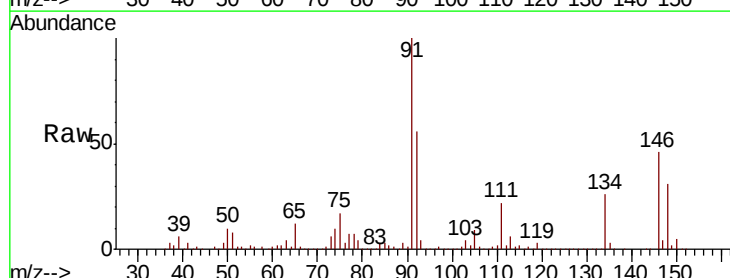
Manual Integrations
APPROVED

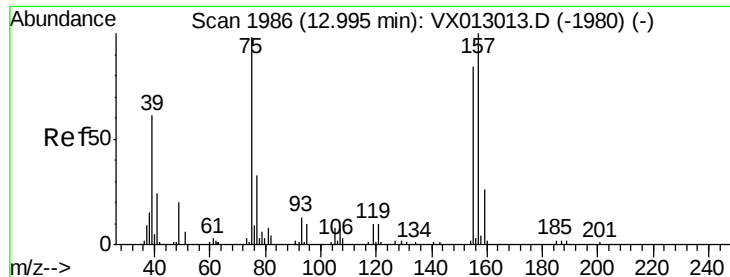
MMDadoda
10/14/2019 10:39:40 AM



#91
1,2-Dichlorobenzene
Concen: 51.309 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013030.D
Acq: 11 Oct 2019 20:36

Tgt Ion:146 Resp: 190770
Ion Ratio Lower Upper
146 100
111 46.4 22.7 68.0
148 64.1 31.6 94.7





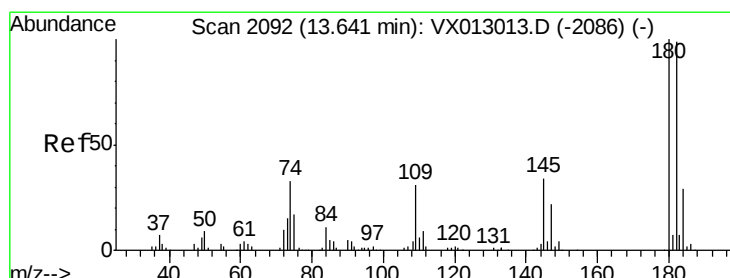
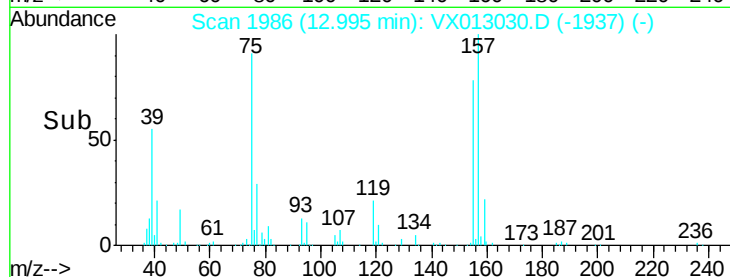
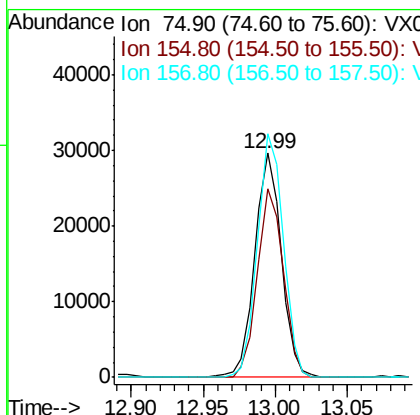
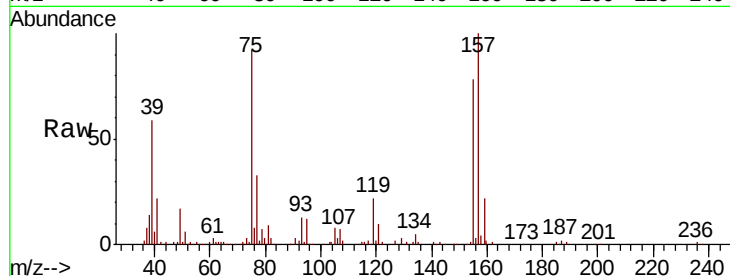
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.399 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013030.D
 Acq: 11 Oct 2019 20:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW3202MS

Tot Ion: 75 Resp: 37429
 Ion Ratio Lower Upper
 75 100
 155 82.5 43.0 128.8
 157 106.3 54.1 162.3

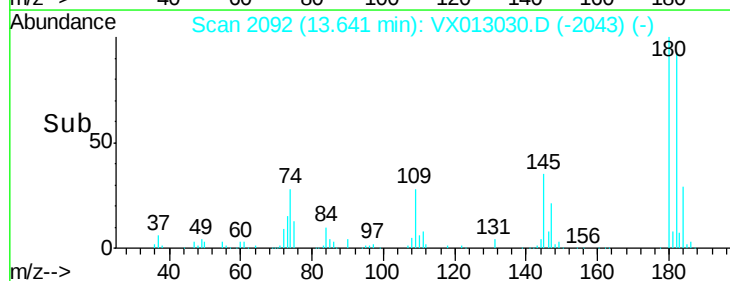
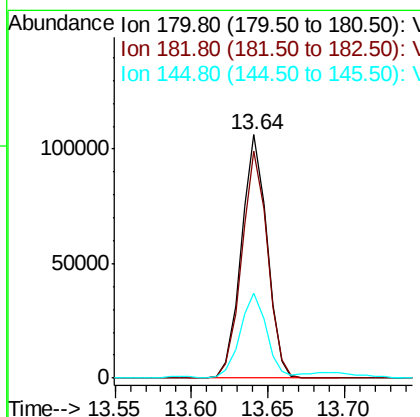
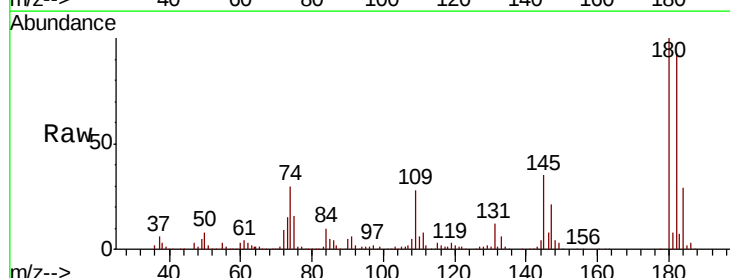
Manual Integrations
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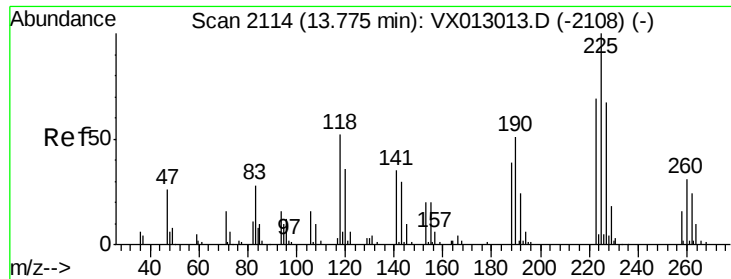
MMDadoda
 10/14/2019 10:39:40 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 53.092 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013030.D
 Acq: 11 Oct 2019 20:36

Tgt Ion: 180 Resp: 123655
 Ion Ratio Lower Upper
 180 100
 182 93.9 46.8 140.4
 145 35.9 16.2 48.6





#94

Hexachlorobutadiene

Concen: 48.985 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.01 min

Lab File: VX013030.D

Acq: 11 Oct 2019 20:36

Instrument :

MSVOA_X

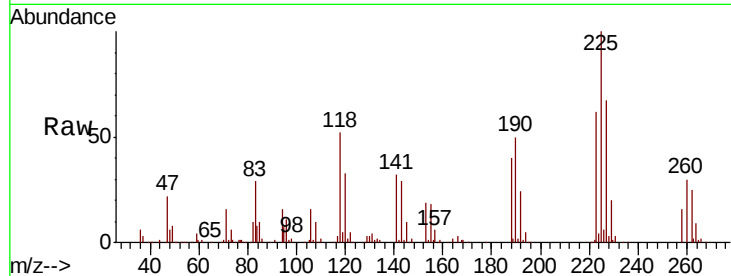
ClientSampleId :

FA19-JMW3202MS

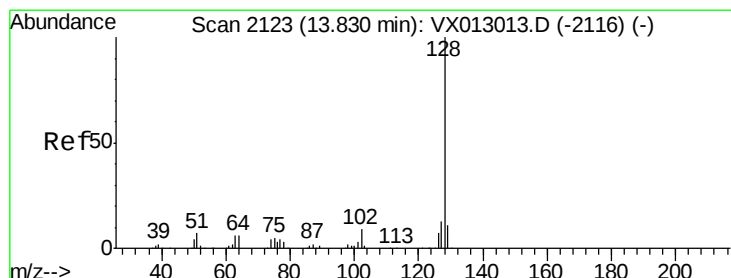
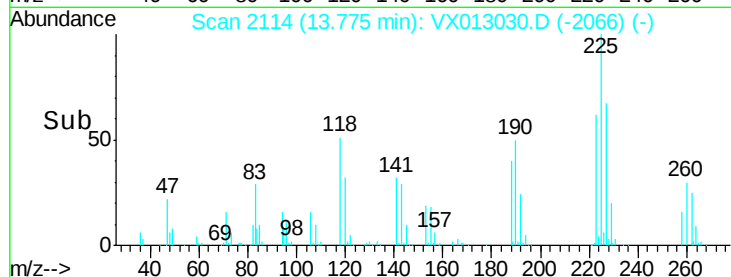
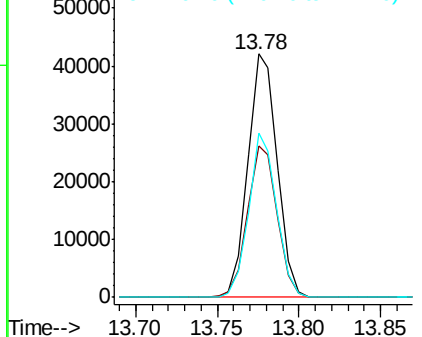
Tot Ion:	225	Resp:	52653
Ion Ratio		Lower	Upper
225	100		
223	62.9	31.1	93.2
227	64.1	32.3	96.9

Manual Integrations
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 61.867 ug/l

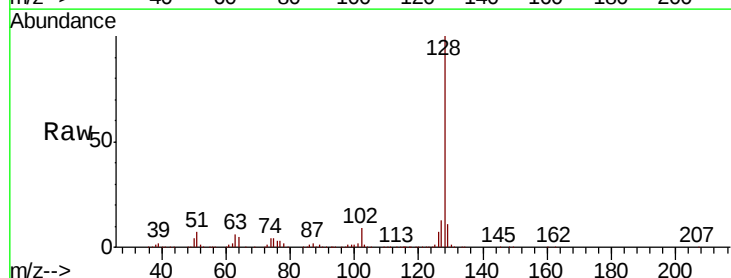
RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

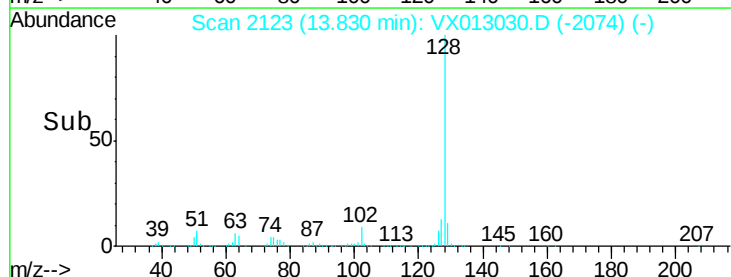
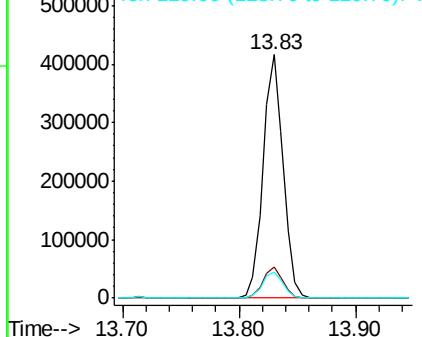
Lab File: VX013030.D

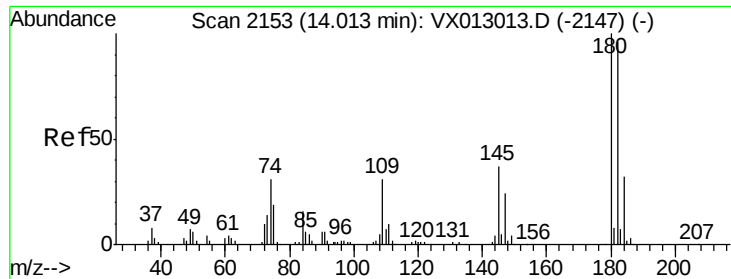
Acq: 11 Oct 2019 20:36

Tgt Ion:	128	Resp:	499496
Ion Ratio		Lower	Upper
128	100		
127	12.7	10.2	15.4
129	11.1	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 52.283 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX013030.D
 Acq: 11 Oct 2019 20:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW3202MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	93.5	47.5	142.5
145	37.2	17.4	52.3

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 10:39:40 AM

