

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021220\
 Data File : VX014918.D
 Acq On : 12 Feb 2020 12:13
 Operator : JC/SP
 Sample : VX0212WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 11:15:53 AM

Quant Time: Feb 13 03:48:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	461777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	679660	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	629525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	325504	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	249908	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	5.48	113	202884	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	8.71	98	785099	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.13	95	277084	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	88996	20.351	ug/l	98
3) Chloromethane	1.32	50	96006	19.364	ug/l	99
4) Vinyl Chloride	1.40	62	101560	19.015	ug/l	99
5) Bromomethane	1.64	94	66220	19.154	ug/l	99
6) Chloroethane	1.72	64	66525	19.466	ug/l	98
7) Trichlorofluoromethane	1.92	101	142067	19.038	ug/l	97
8) Diethyl Ether	2.18	74	60298	19.486	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	84420	19.490	ug/l	96
10) Methyl Iodide	2.50	142	84634	20.364	ug/l	99
11) Tert butyl alcohol	3.02	59	90603	98.464	ug/l	100
12) 1,1-Dichloroethene	2.37	96	80745	19.077	ug/l	94
13) Acrolein	2.28	56	54429	77.610	ug/l	99
14) Allyl chloride	2.72	41	137486	18.321	ug/l	99
15) Acrylonitrile	3.12	53	220042	94.330	ug/l	99
16) Acetone	2.43	43	262104	86.478	ug/l	98
17) Carbon Disulfide	2.56	76	213770	18.076	ug/l	99
18) Methyl Acetate	2.76	43	100577	19.162	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	266082	19.316	ug/l	97
20) Methylene Chloride	2.84	84	90160	17.984	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	86437	18.507	ug/l	97
22) Diisopropyl ether	3.84	45	277119	19.335	ug/l	99
23) Vinyl Acetate	3.80	43	1168854	98.929	ug/l	99
24) 1,1-Dichloroethane	3.69	63	151127	18.683	ug/l	100
25) 2-Butanone	4.65	43	332812	93.803	ug/l	100
26) 2,2-Dichloropropane	4.57	77	126863	18.198	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	98498	18.867	ug/l	99
28) Bromochloromethane	5.00	49	68028	21.697	ug/l	96
29) Tetrahydrofuran	5.11	42	192626	95.505	ug/l	99
30) Chloroform	5.20	83	154741	19.281	ug/l	98
31) Cyclohexane	5.56	56	137032	18.599	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	133673	19.041	ug/l	99
36) 1,1-Dichloropropene	5.79	75	118007	19.410	ug/l	99
37) Ethyl Acetate	4.81	43	121423	19.149	ug/l	99
38) Carbon Tetrachloride	5.77	117	112461	18.981	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VX0212WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 11:15:53 AM

Quant Time: Feb 13 03:48:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	143419	18.862	ug/l	96
40) Benzene	6.13	78	345535	19.022	ug/l	99
41) Methacrylonitrile	5.03	41	66028	19.329	ug/l	97
42) 1,2-Dichloroethane	6.18	62	122615	18.676	ug/l	98
43) Isopropyl Acetate	6.43	43	199873	19.108	ug/l	99
44) Trichloroethene	7.20	130	98821	18.740	ug/l	97
45) 1,2-Dichloropropane	7.50	63	90667	19.571	ug/l	97
46) Dibromomethane	7.65	93	58613	18.509	ug/l	98
47) Bromodichloromethane	7.89	83	116785	18.600	ug/l	98
48) Methyl methacrylate	7.76	41	98308	19.097	ug/l	99
49) 1,4-Dioxane	7.73	88	41651	432.736	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	610475	96.651	ug/l	100
52) Toluene	8.78	92	221025	19.157	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	129280	18.787	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	142853	18.792	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	88312	18.919	ug/l	98
56) Ethyl methacrylate	9.17	69	134218	19.130	ug/l	99
57) 1,3-Dichloropropane	9.36	76	148229	18.865	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	341948	93.191	ug/l	100
59) 2-Hexanone	9.48	43	484359	97.561	ug/l	100
60) Dibromochloromethane	9.57	129	95581	19.027	ug/l	98
61) 1,2-Dibromoethane	9.67	107	95359	18.934	ug/l	99
64) Tetrachloroethene	9.33	164	103748	17.627	ug/l	98
65) Chlorobenzene	10.13	112	241247	18.894	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	89495	19.306	ug/l	99
67) Ethyl Benzene	10.25	91	416964	19.202	ug/l	98
68) m/p-Xylenes	10.36	106	321520	38.435	ug/l	99
69) o-Xylene	10.69	106	152888	19.013	ug/l	99
70) Styrene	10.71	104	258100	18.972	ug/l	100
71) Bromoform	10.85	173	70062	18.107	ug/l	99
73) Isopropylbenzene	11.01	105	416554	20.407	ug/l	99
74) N-amyl acetate	10.89	43	168566	19.874	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	130035	19.488	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	112219m	19.065	ug/l	
77) Bromobenzene	11.25	156	110718	19.433	ug/l	97
78) n-propylbenzene	11.35	91	470003	19.908	ug/l	100
79) 2-Chlorotoluene	11.42	91	274177	19.754	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	344195	20.180	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	40684	17.692	ug/l	93
82) 4-Chlorotoluene	11.51	91	320032	19.471	ug/l	99
83) tert-Butylbenzene	11.76	119	330361	20.454	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	347932	20.242	ug/l	100
85) sec-Butylbenzene	11.94	105	403143	20.092	ug/l	99
86) p-Isopropyltoluene	12.06	119	369749	19.693	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	193042	18.887	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	196587	18.834	ug/l	100
89) n-Butylbenzene	12.39	91	318822	18.960	ug/l	99
90) Hexachloroethane	12.59	117	63385	19.331	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	191096	19.065	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	28030	17.905	ug/l	95

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

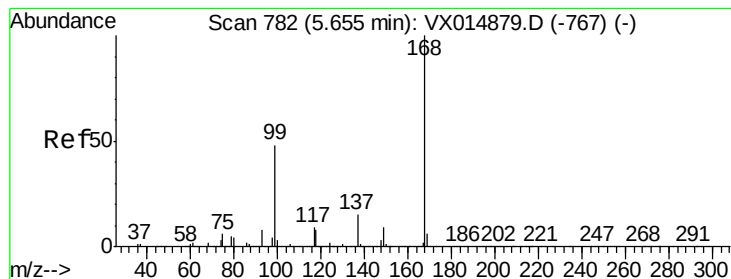
Manual Integrations
APPROVED

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2/13/2020 11:15:53 AM

Quant Time: Feb 13 03:48:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	133798	18.085	ug/l	100
94) Hexachlorobutadiene	13.78	225	69527	19.429	ug/l	99
95) Naphthalene	13.83	128	386551	19.651	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	135771	18.995	ug/l	99

(#) = 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: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion:168 Resp: 461777

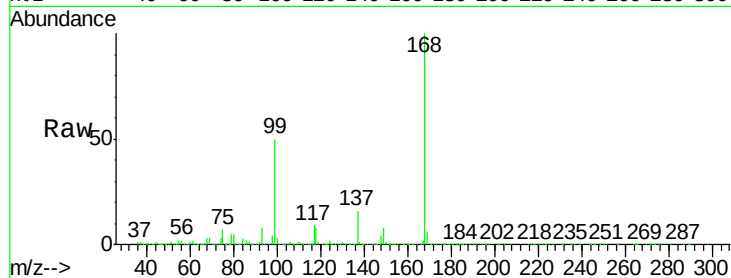
Ion Ratio Lower Upper

168 100

99 49.9 38.7 58.1

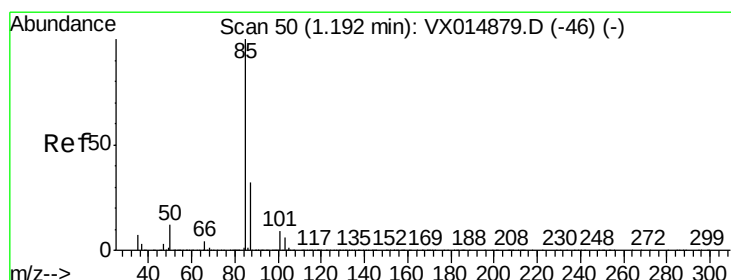
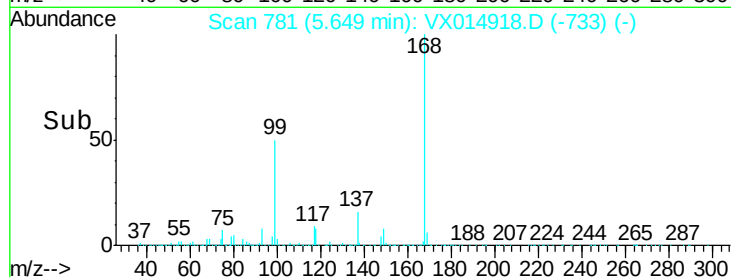
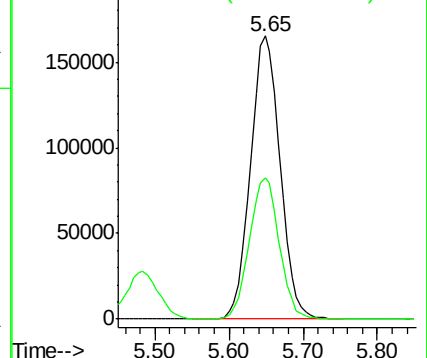
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.351 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014918.D

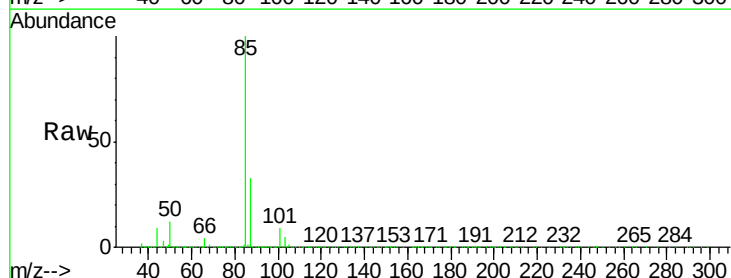
Acq: 12 Feb 2020 12:13

Tgt Ion: 85 Resp: 88996

Ion Ratio Lower Upper

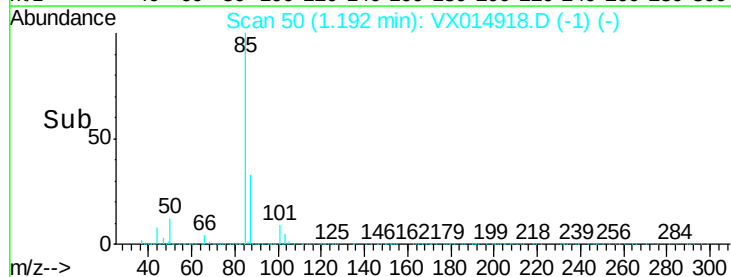
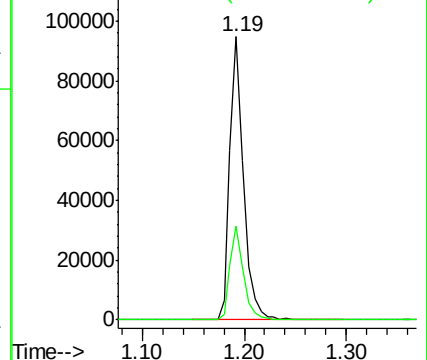
85 100

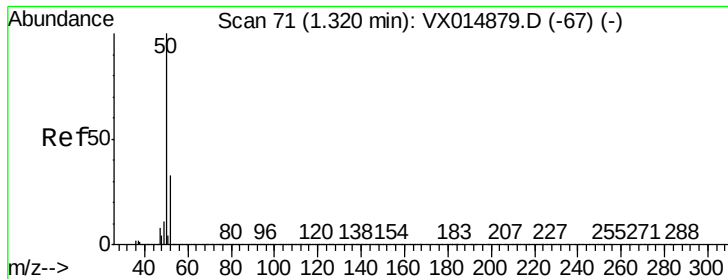
87 33.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





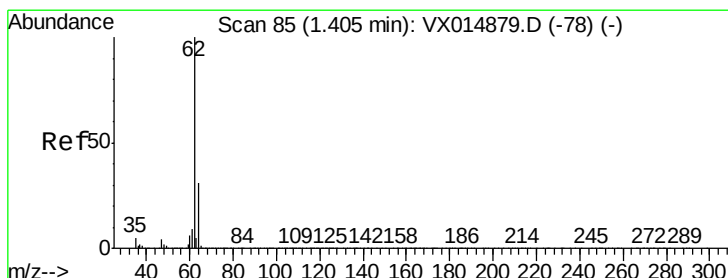
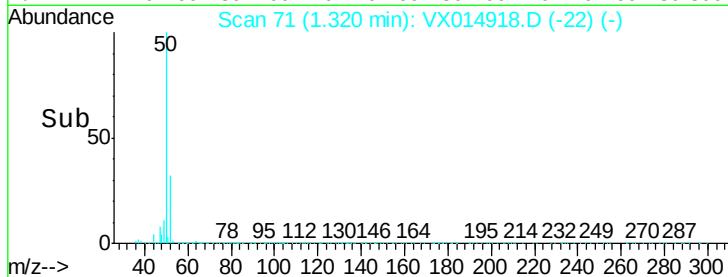
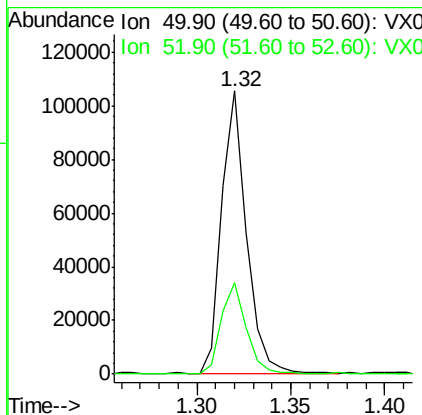
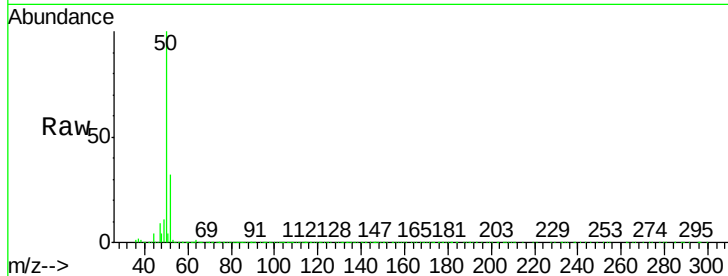
#3
Chloromethane
Concen: 19.364 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.2	39.2

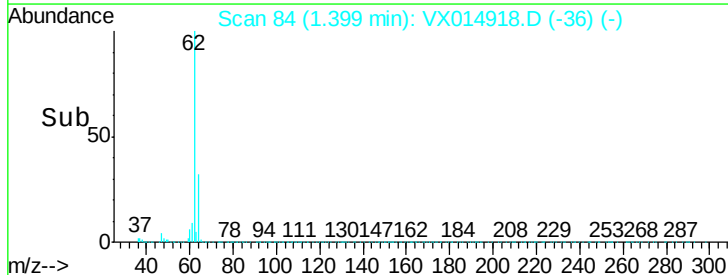
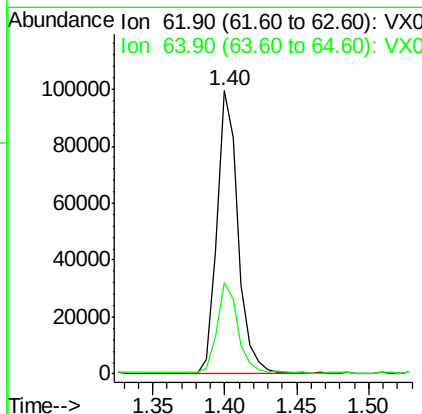
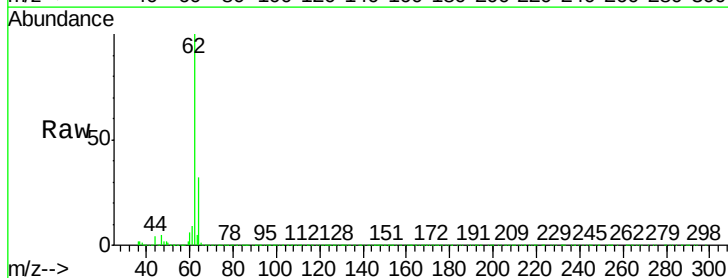
Manual Integrations
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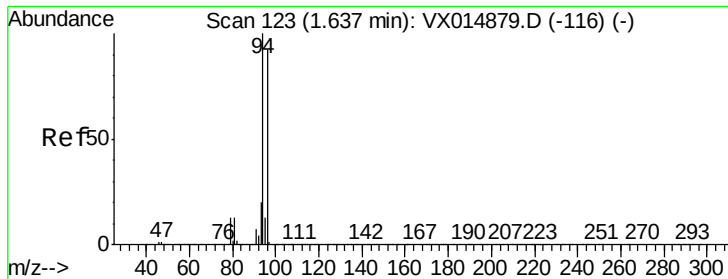
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#4
Vinyl Chloride
Concen: 19.015 ug/l
RT: 1.40 min Scan# 84
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.8	37.2





#5

Bromomethane

Concen: 19.154 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.00 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion: 94 Resp: 66220

Ion Ratio Lower Upper

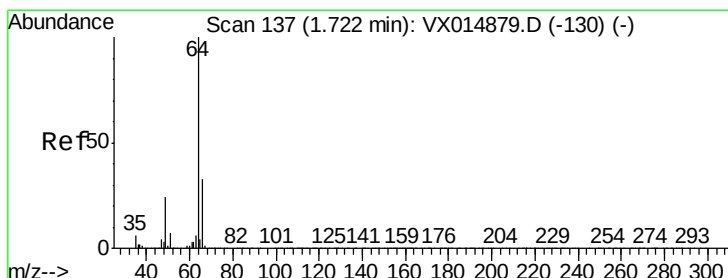
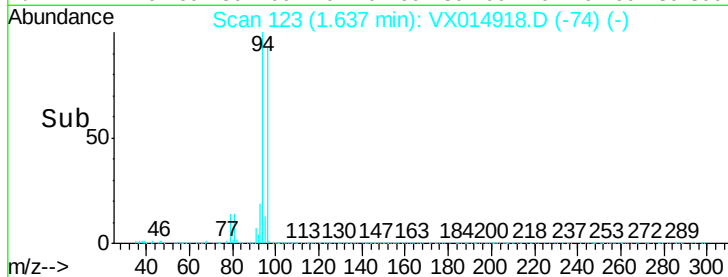
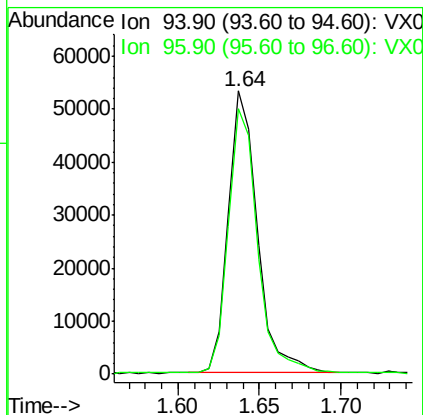
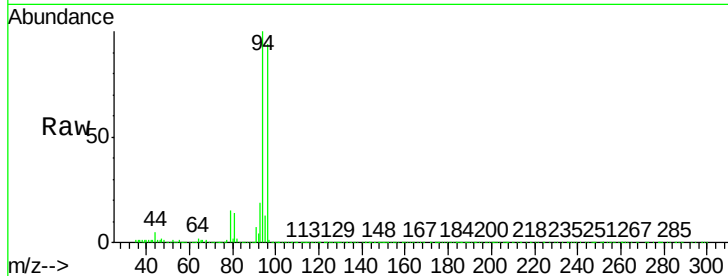
94 100

96 93.4 73.7 110.5

Manual Integrations
APPROVED

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2/13/2020 11:15:53 AM



#6

Chloroethane

Concen: 19.466 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.00 min

Lab File: VX014918.D

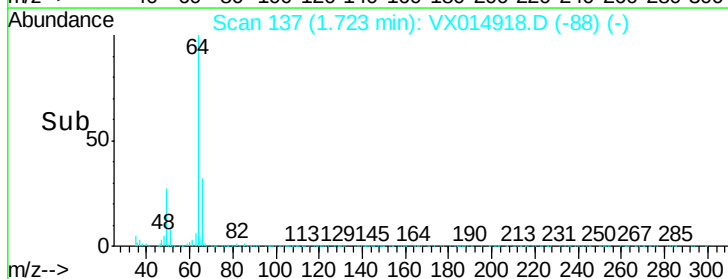
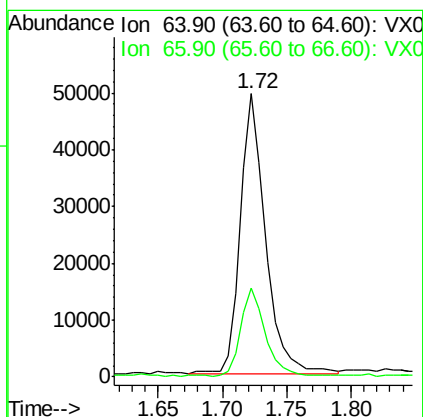
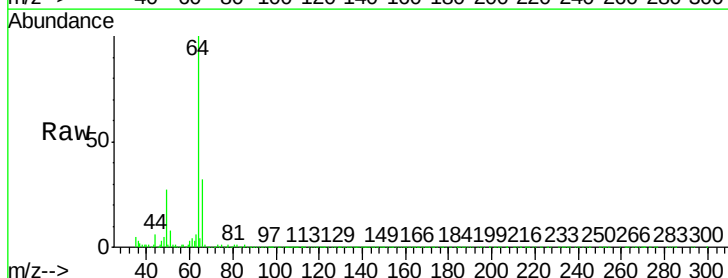
Acq: 12 Feb 2020 12:13

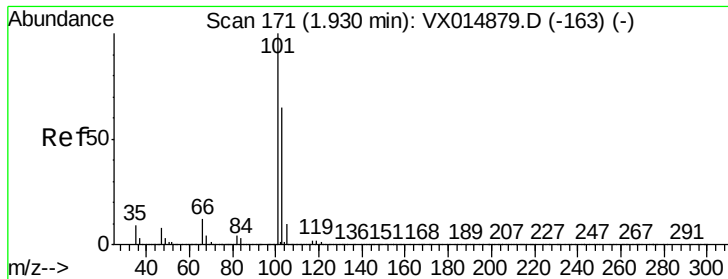
Tgt Ion: 64 Resp: 66525

Ion Ratio Lower Upper

64 100

66 31.5 26.2 39.4





#7

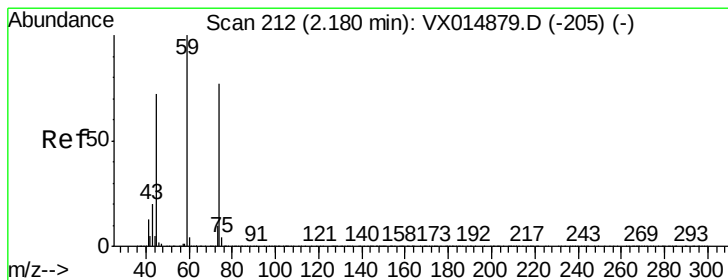
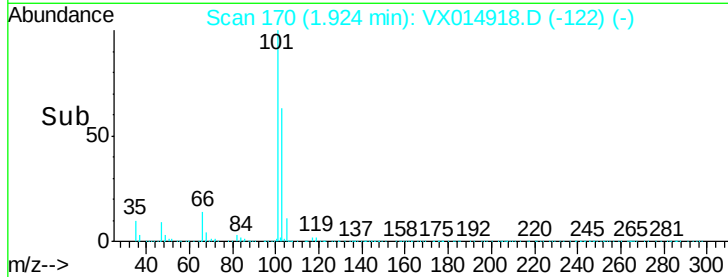
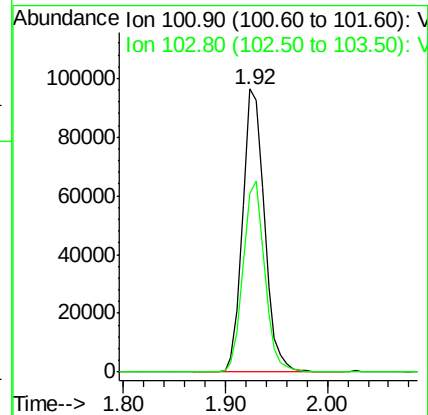
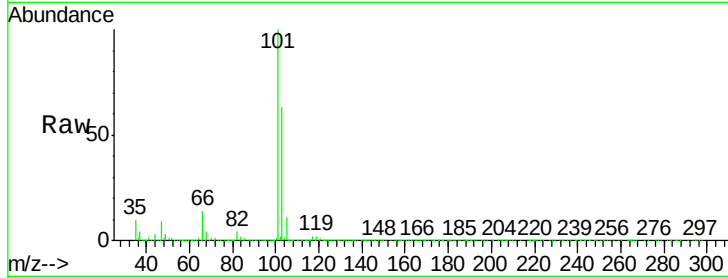
Trichlorofluoromethane
Concen: 19.038 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	52.2	78.4

Manual Integrations
APPROVED

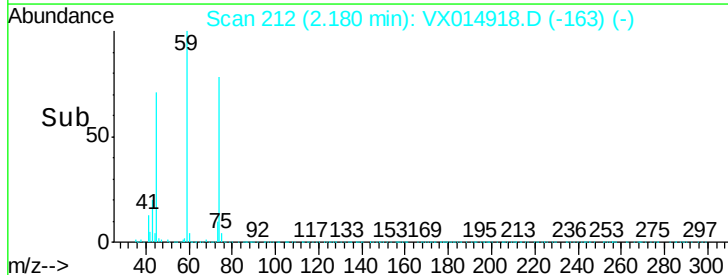
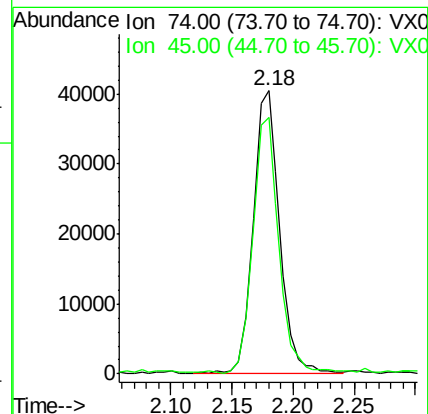
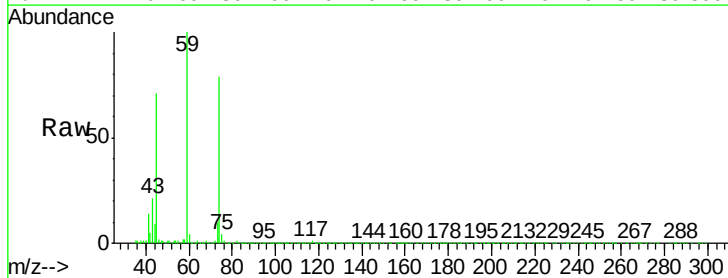
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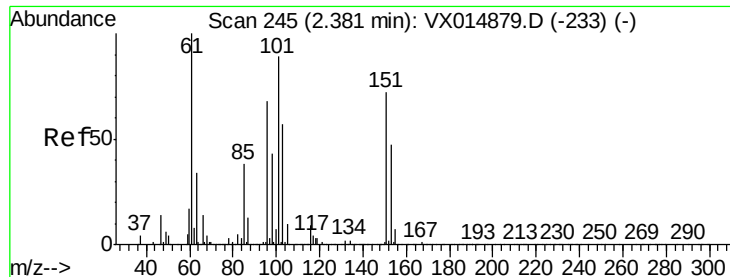


#8

Diethyl Ether
Concen: 19.486 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	46.6	139.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.490 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

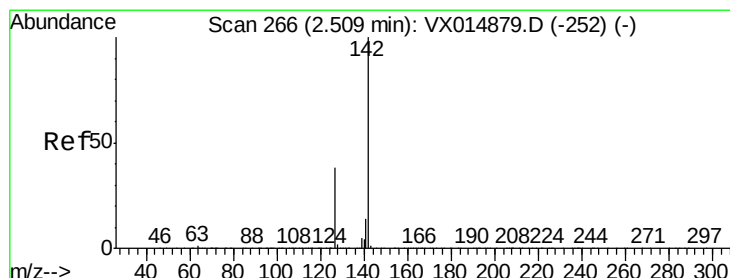
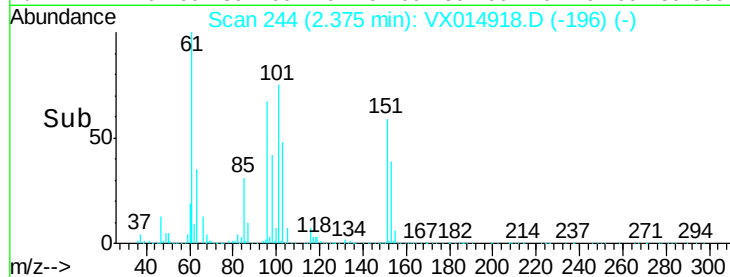
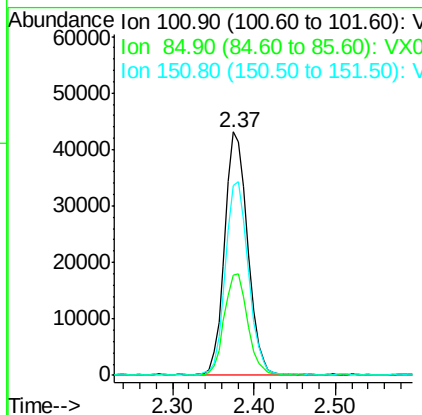
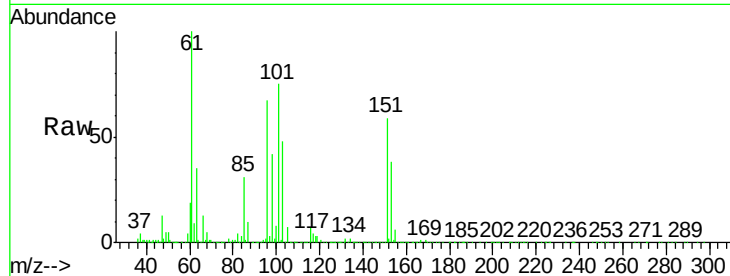
ClientSampleId :

VX0212WBS01

Tot Ion:	101	Resp:	84420
Ion Ratio	Lower	Upper	
101	100		
85	41.3	34.1	51.1
151	79.8	67.3	100.9

Manual Integrations
APPROVED

MMDadoda
2/13/2020 11:15:53 AM



#10

Methyl Iodide

Concen: 20.364 ug/l

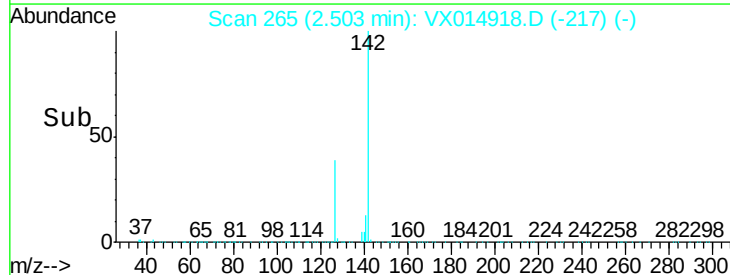
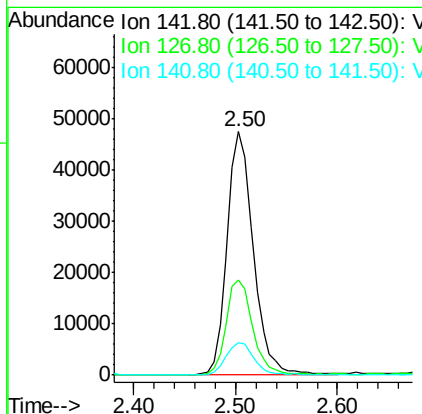
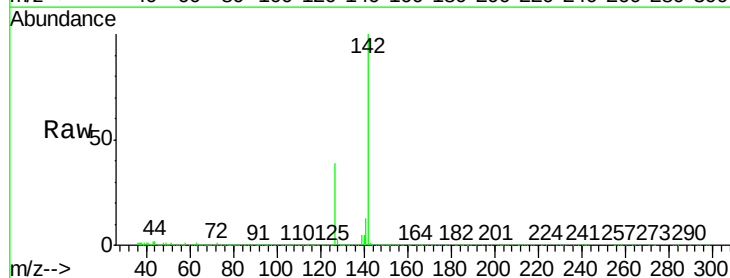
RT: 2.50 min Scan# 265

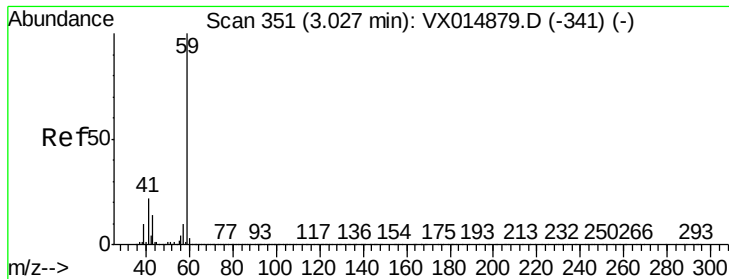
Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Tgt Ion:	142	Resp:	84634
Ion Ratio	Lower	Upper	
142	100		
127	39.6	31.1	46.7
141	14.0	11.3	16.9





#11

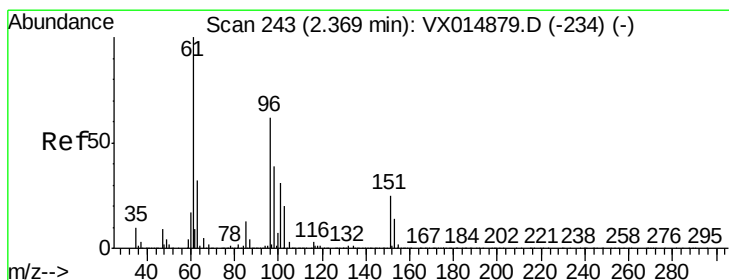
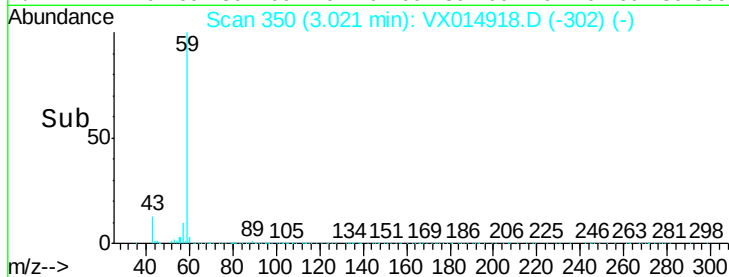
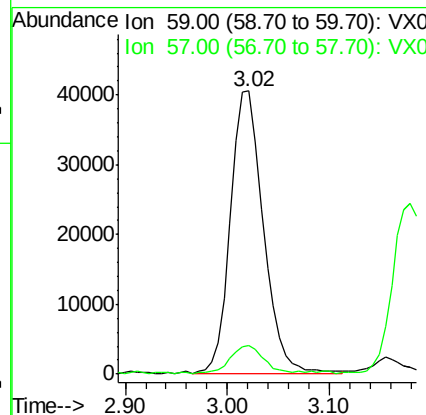
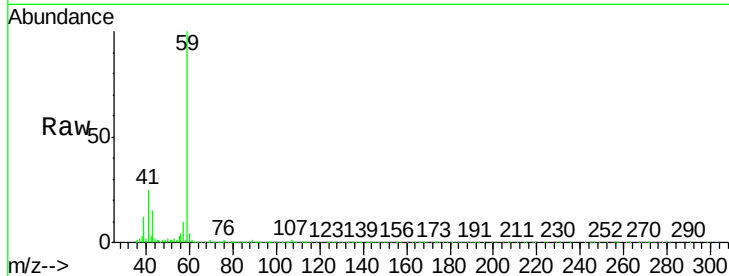
Tert butyl alcohol
Concen: 98.464 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

Manual Integrations
APPROVED

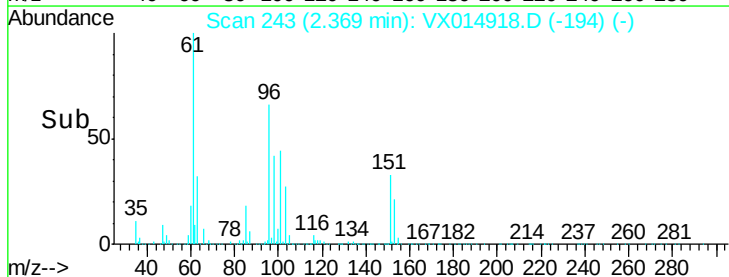
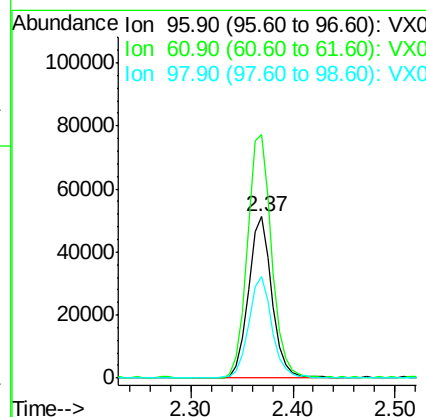
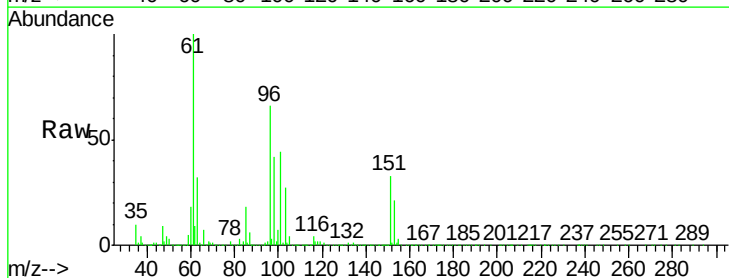
MMDadoda
2/13/2020 11:15:53 AM

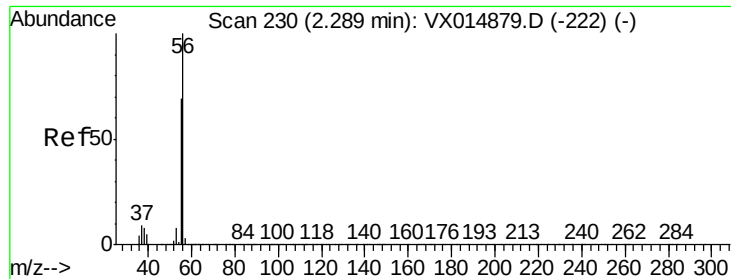


#12

1,1-Dichloroethene
Concen: 19.077 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.2	129.5	194.3
98	62.8	50.6	76.0





#13

Acrolein

Concen: 77.610 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion: 56 Resp: 54429

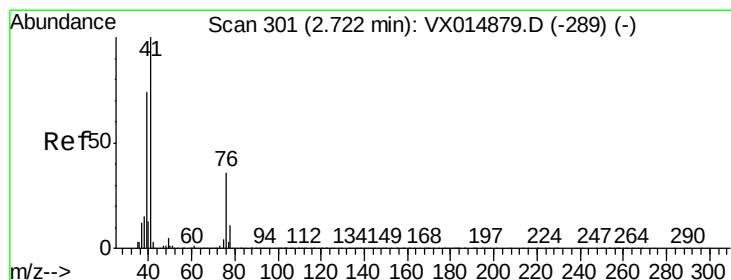
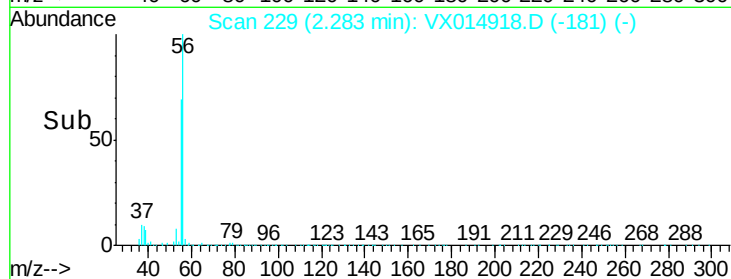
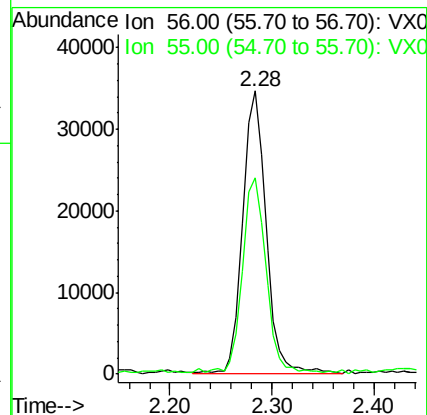
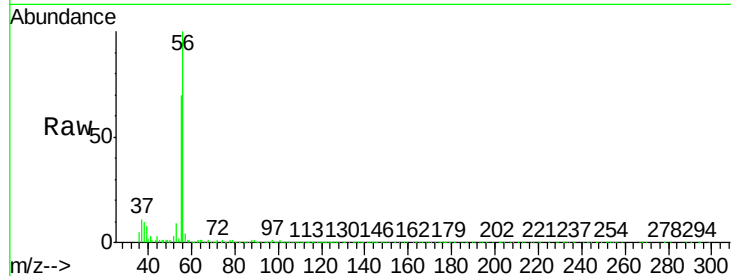
Ion Ratio Lower Upper

56 100

55 69.2 55.0 82.4

Manual Integrations
APPROVED

MMDadoda
2/13/2020 11:15:53 AM



#14

Allyl chloride

Concen: 18.321 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.00 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

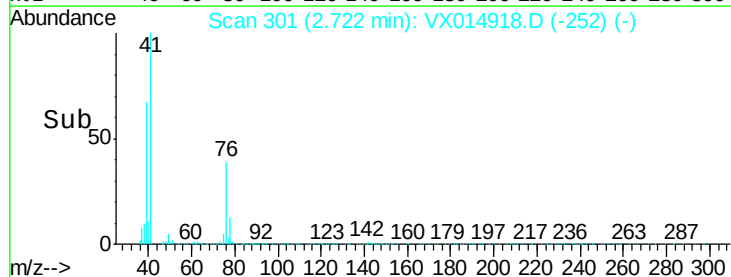
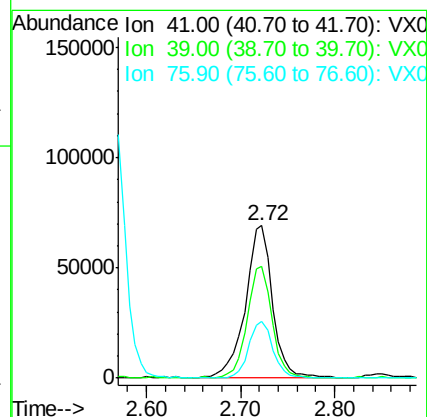
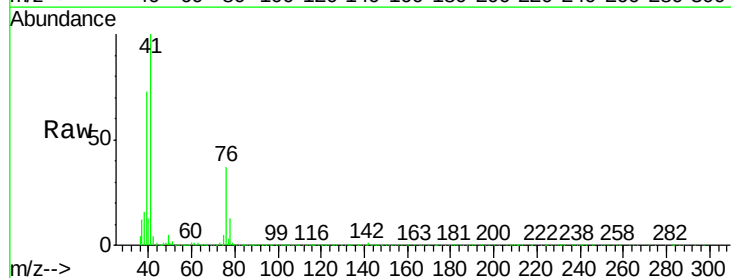
Tgt Ion: 41 Resp: 137486

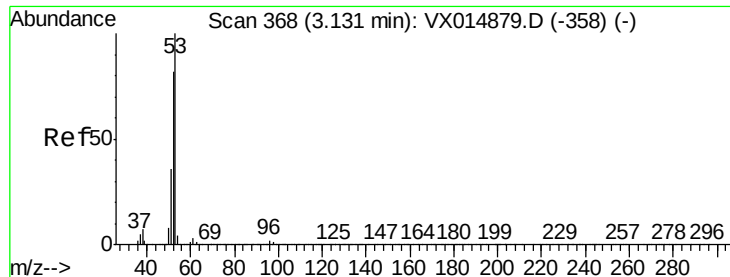
Ion Ratio Lower Upper

41 100

39 67.4 55.2 82.8

76 33.4 26.8 40.2





#15

Acrylonitrile

Concen: 94.330 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

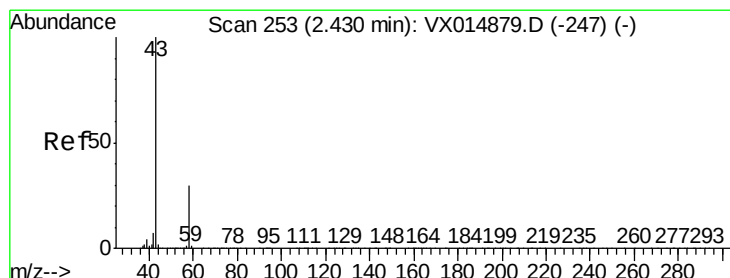
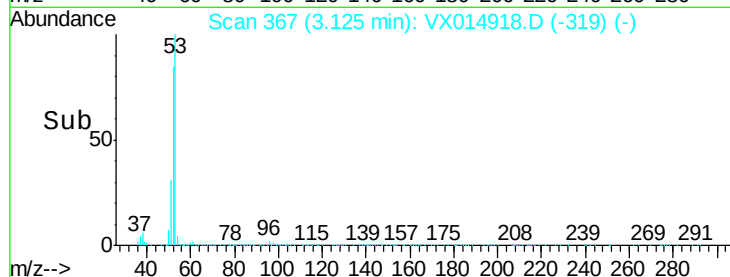
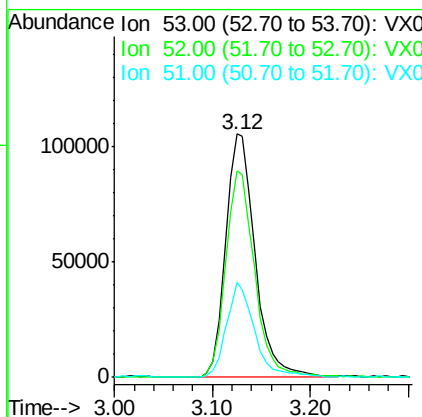
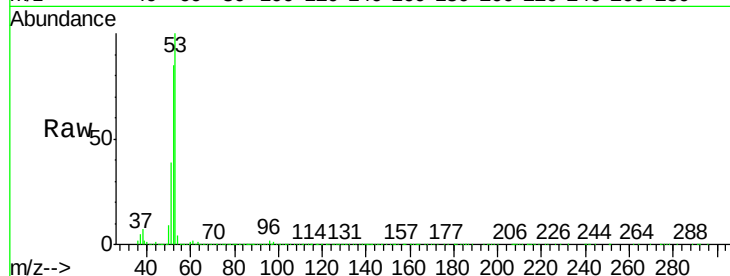
ClientSampleId :

VX0212WBS01

Tot Ion:	53	Resp:	220042
Ion Ratio		Lower	Upper
53	100		
52	82.8	65.8	98.6
51	37.1	29.1	43.7

Manual Integrations
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MMDadoda
2/13/2020 11:15:53 AM



#16

Acetone

Concen: 86.478 ug/l

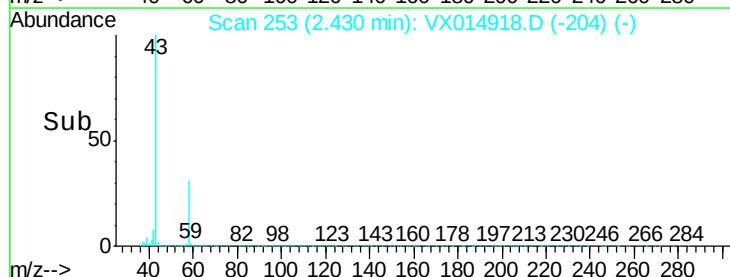
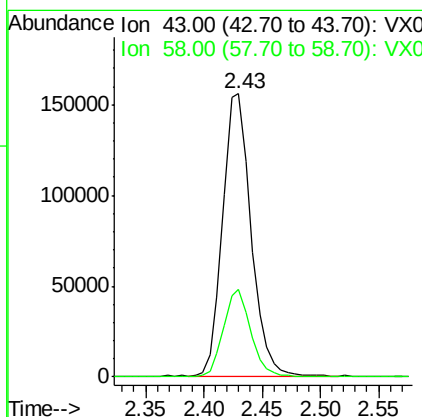
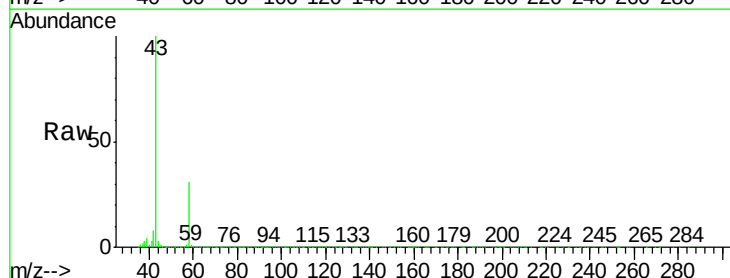
RT: 2.43 min Scan# 253

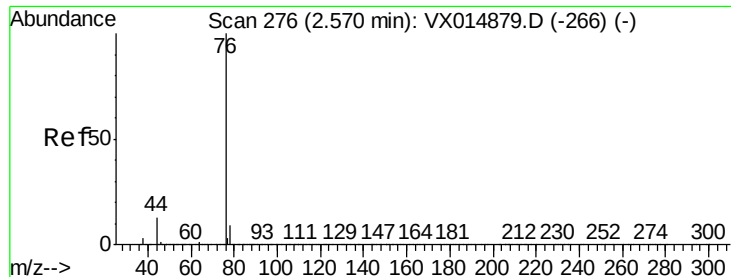
Delta R.T. 0.00 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Tgt Ion:	43	Resp:	262104
Ion Ratio		Lower	Upper
43	100		
58	30.9	24.1	36.1





#17

Carbon Disulfide

Concen: 18.076 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion: 76 Resp: 213770

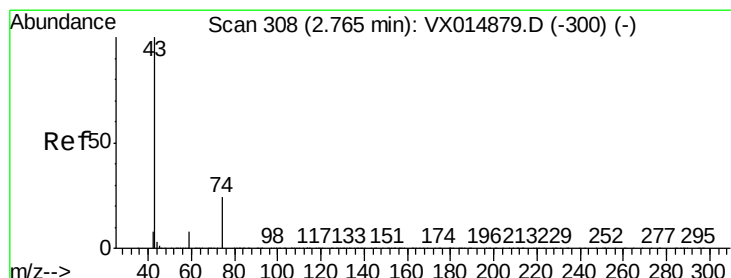
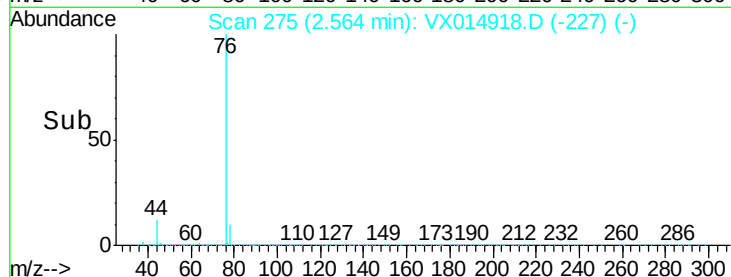
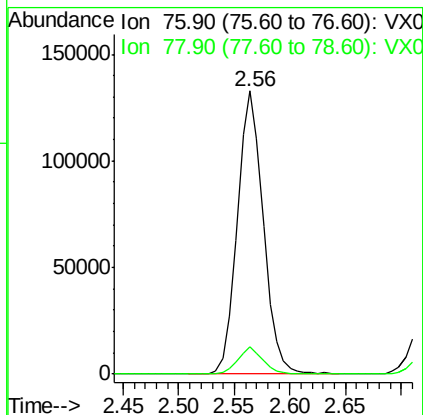
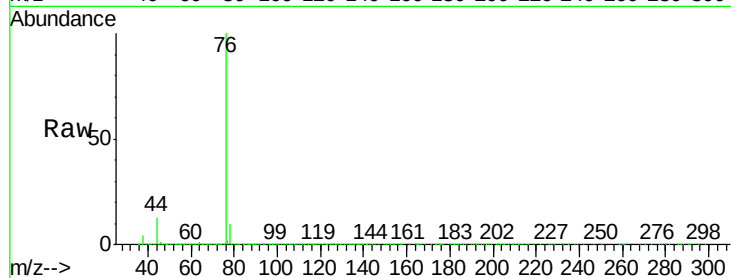
Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0

Manual Integrations
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2/13/2020 11:15:53 AM



#18

Methyl Acetate

Concen: 19.162 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX014918.D

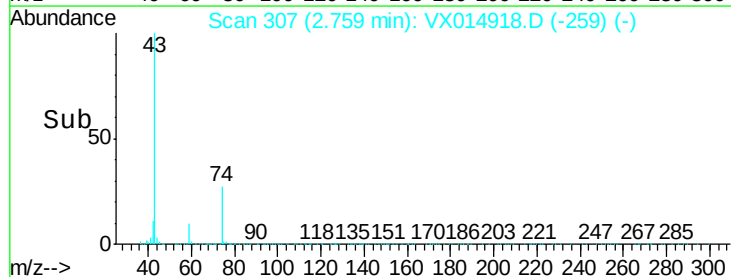
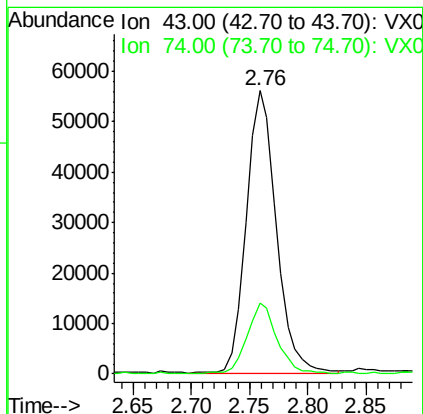
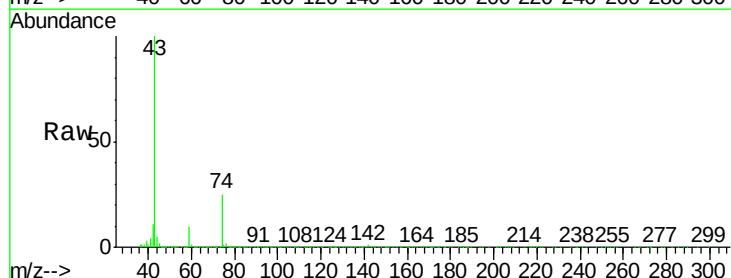
Acq: 12 Feb 2020 12:13

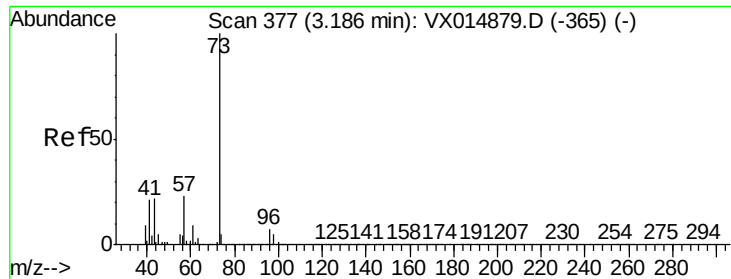
Tgt Ion: 43 Resp: 100577

Ion Ratio Lower Upper

43 100

74 25.5 19.4 29.0





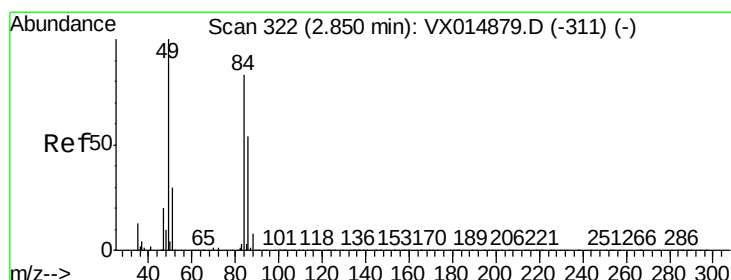
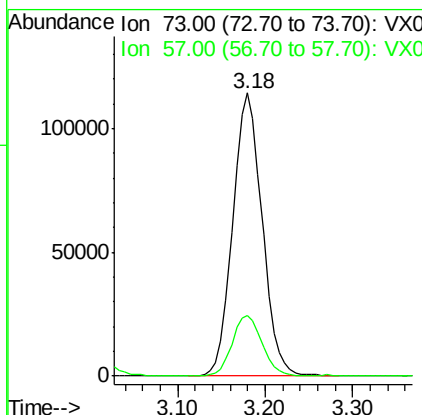
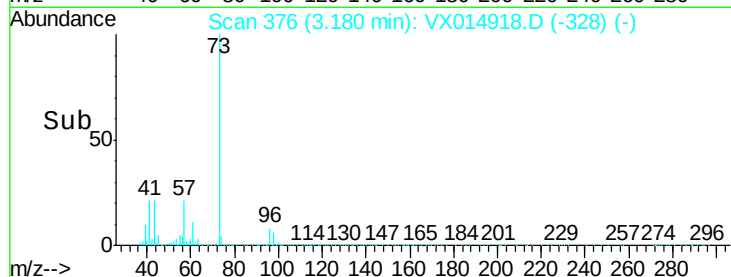
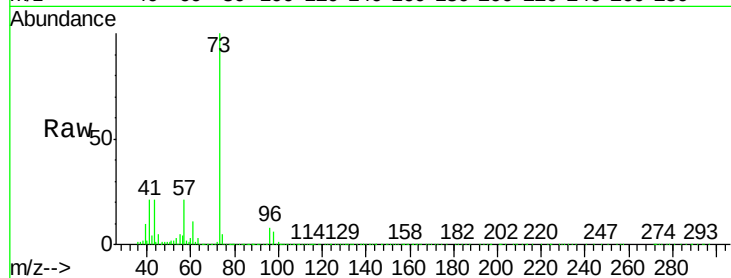
#19
Methyl tert-butyl Ether
Concen: 19.316 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.2	27.4

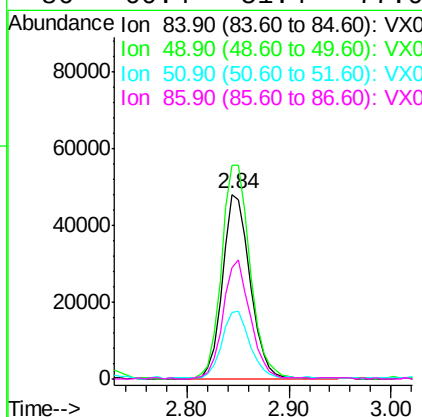
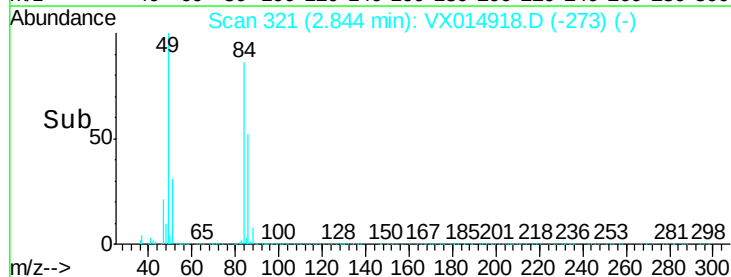
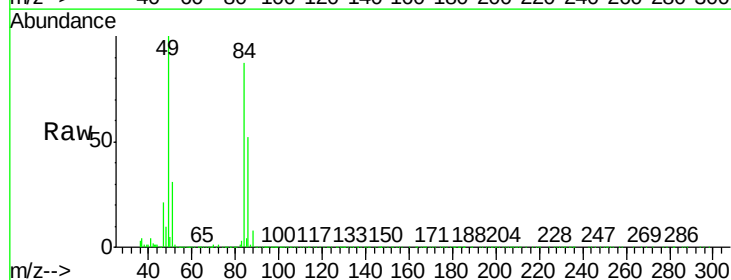
Manual Integrations
APPROVED

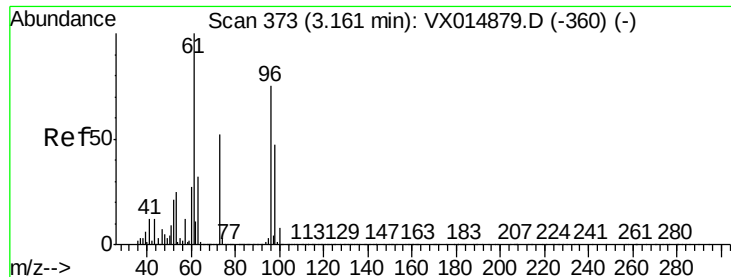
MMDadoda
2/13/2020 11:15:53 AM



#20
Methylene Chloride
Concen: 17.984 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.4	95.6	143.4
51	35.6	29.0	43.6
86	60.4	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 18.507 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

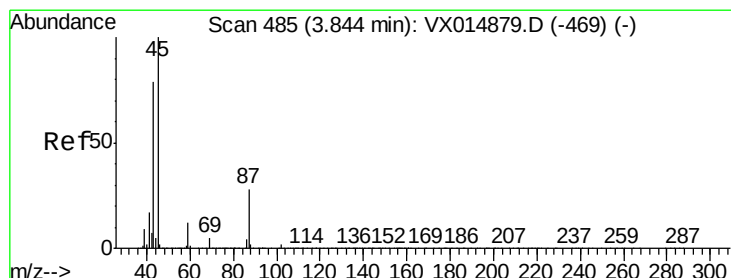
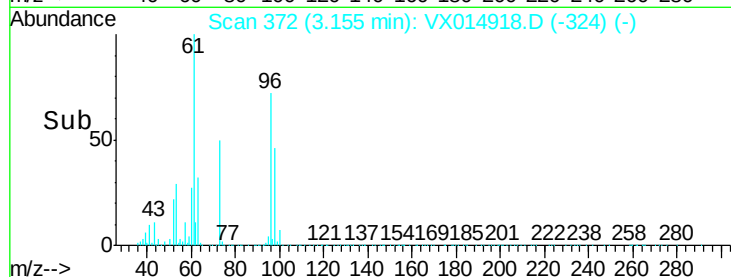
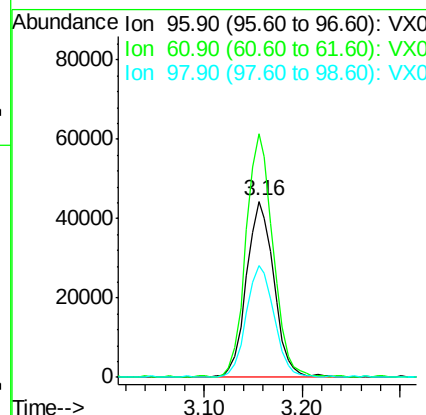
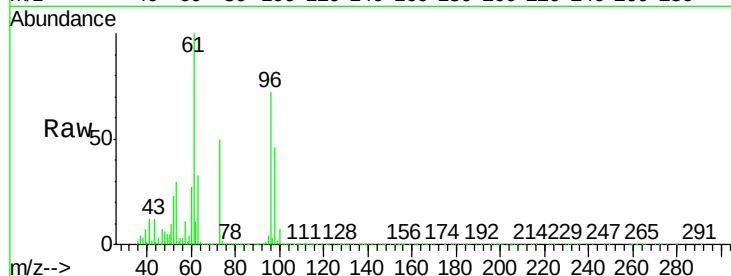
ClientSampleId :

VX0212WBS01

Tot Ion:	96	Resp:	86437
Ion Ratio	Lower	Upper	
96	100		
61	138.0	106.9	160.3
98	63.2	50.7	76.1

Manual Integrations
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2/13/2020 11:15:53 AM



#22

Diisopropyl ether

Concen: 19.335 ug/l

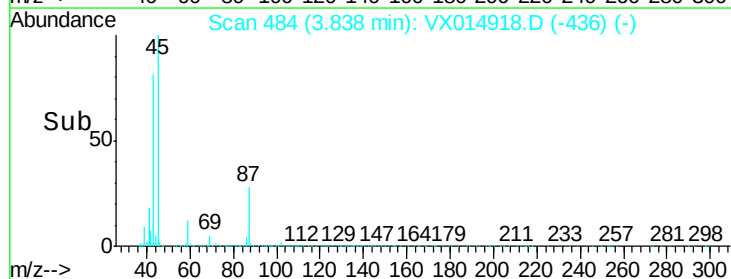
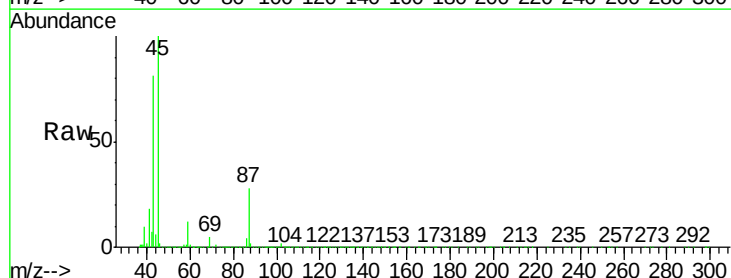
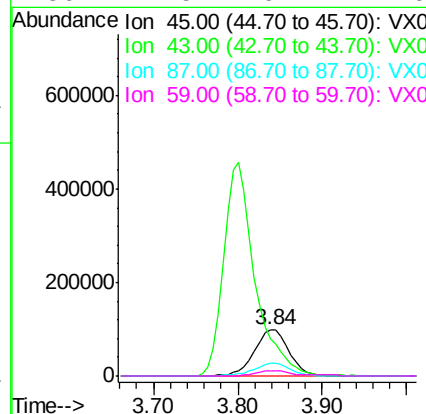
RT: 3.84 min Scan# 484

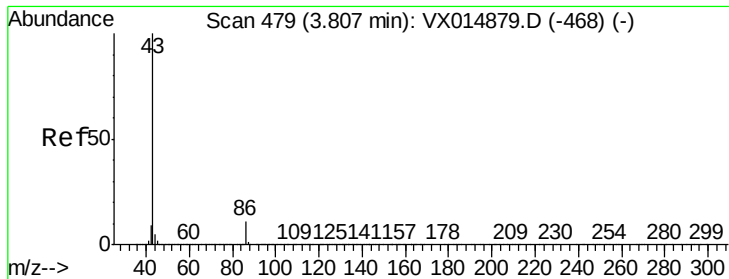
Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Tgt Ion:	45	Resp:	277119
Ion Ratio	Lower	Upper	
45	100		
43	80.4	63.5	95.3
87	28.2	22.2	33.4
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 98.929 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion: 43 Resp: 1168854

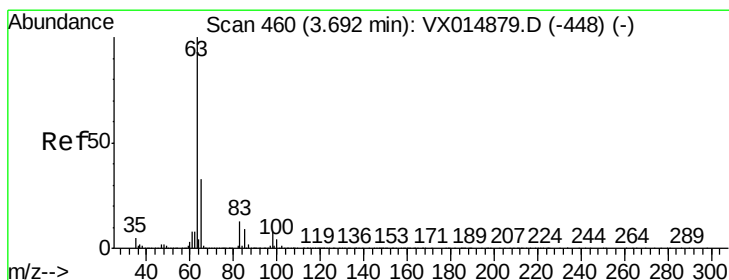
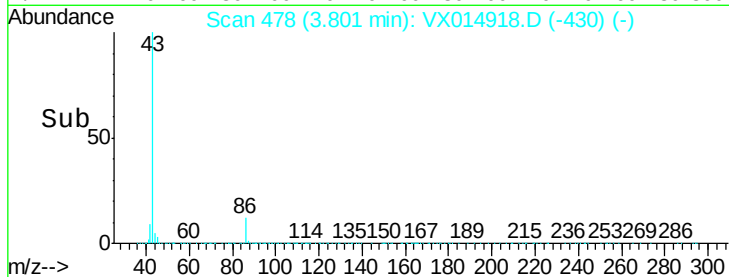
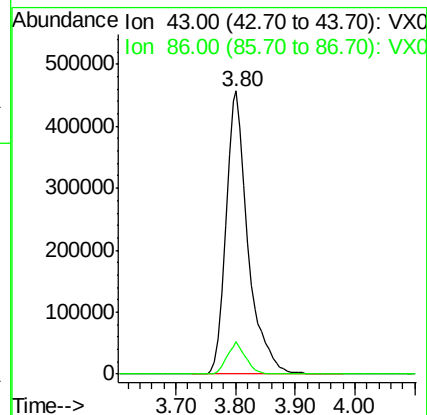
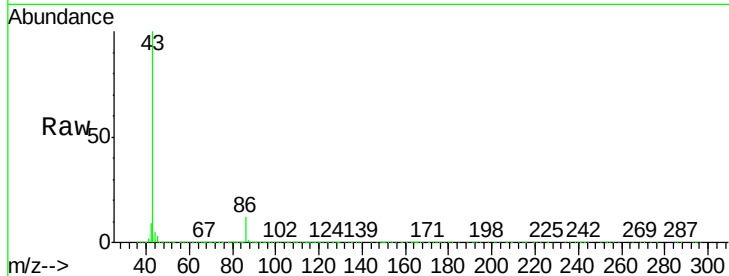
Ion Ratio Lower Upper

43 100

86 11.5 8.9 13.3

Manual Integrations
APPROVED

MMDadoda
2/13/2020 11:15:53 AM



#24

1,1-Dichloroethane

Concen: 18.683 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

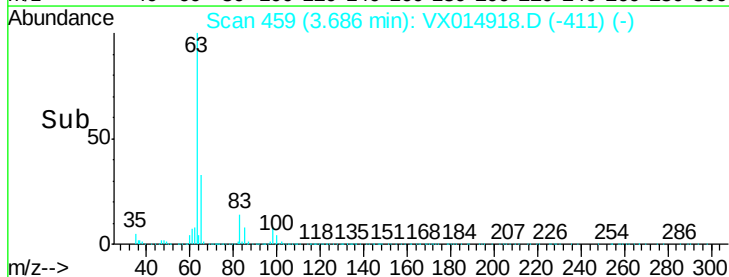
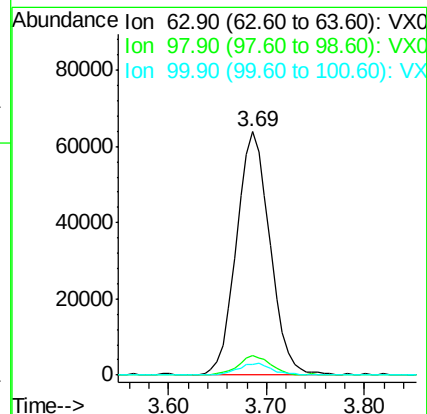
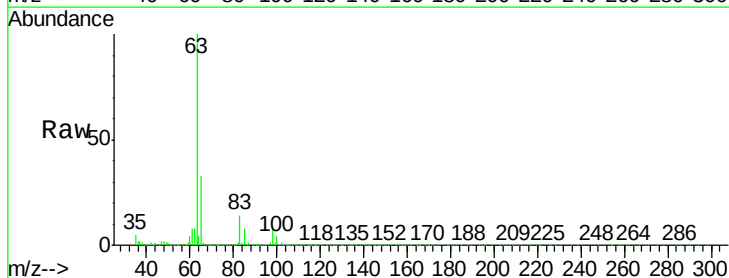
Tgt Ion: 63 Resp: 151127

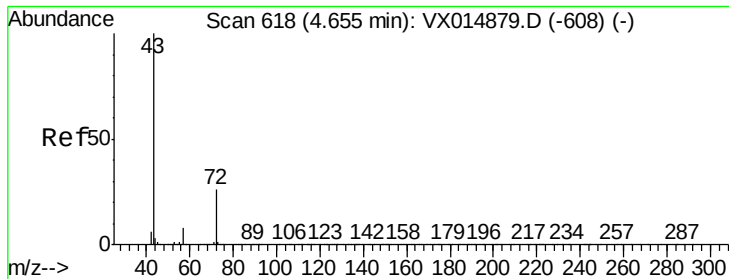
Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

100 4.2 2.2 6.6





#25

2-Butanone

Concen: 93.803 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion: 43 Resp: 332812

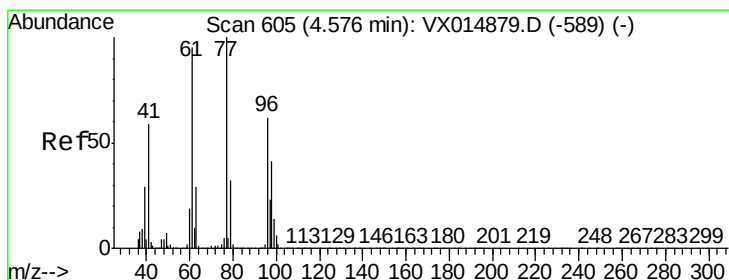
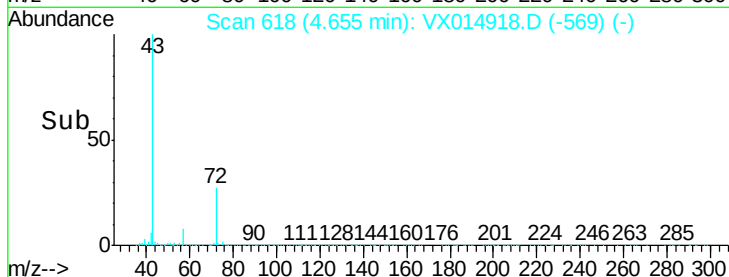
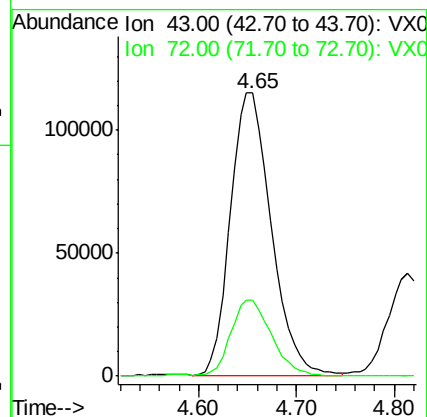
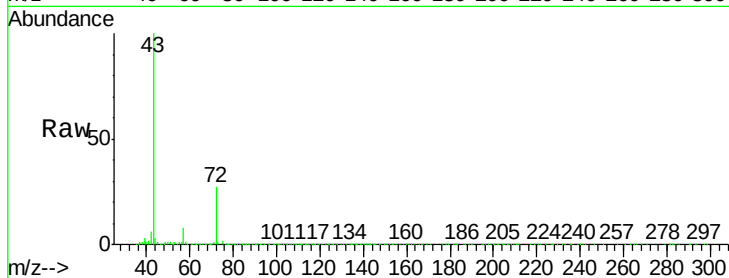
Ion Ratio Lower Upper

43 100

72 26.4 21.0 31.6

Manual Integrations
APPROVED

MMDadoda
2/13/2020 11:15:53 AM



#26

2,2-Dichloropropane

Concen: 18.198 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014918.D

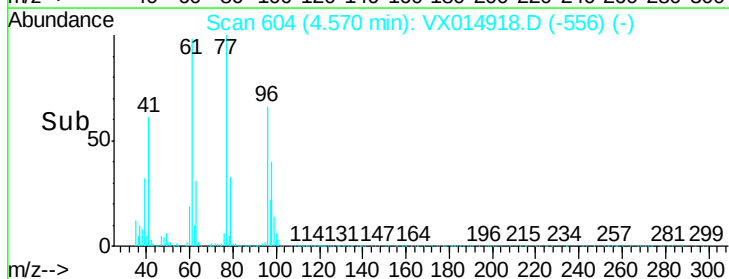
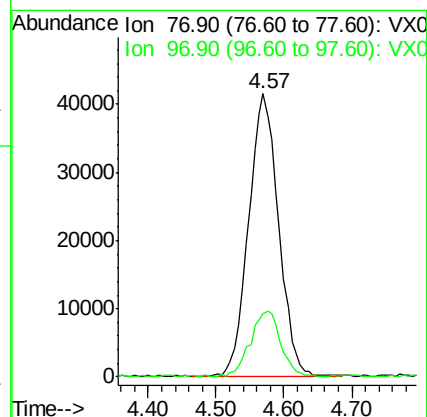
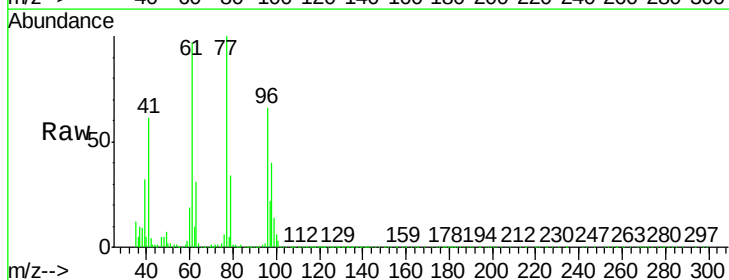
Acq: 12 Feb 2020 12:13

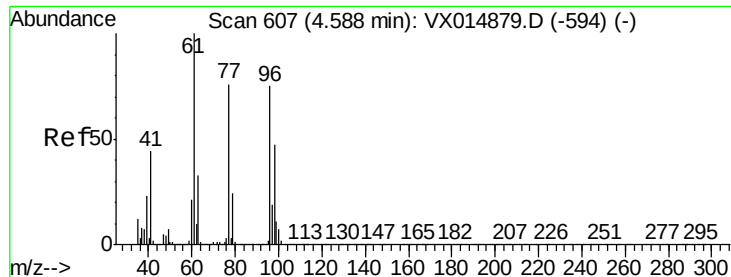
Tgt Ion: 77 Resp: 126863

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.5





#27

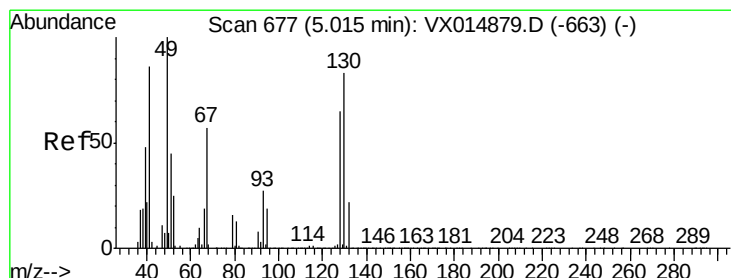
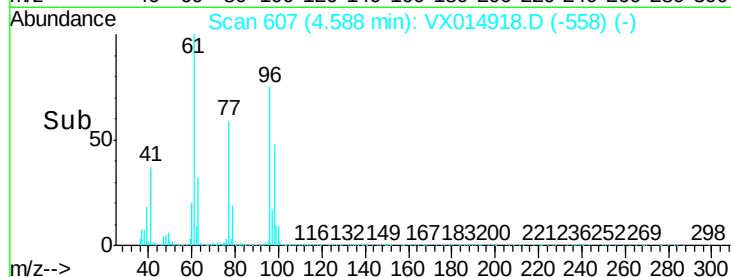
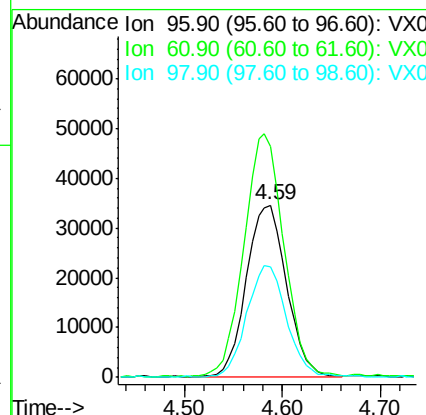
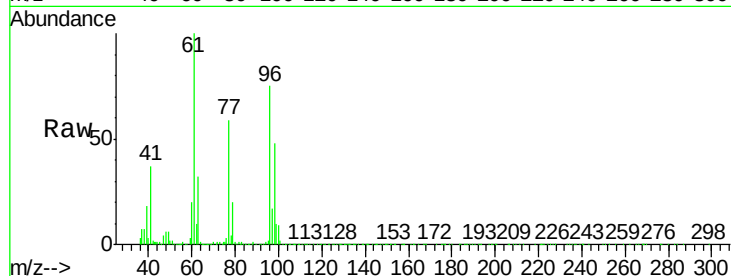
cis-1,2-Dichloroethene
Concen: 18.867 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	286.2
98	65.1	0.0	131.0

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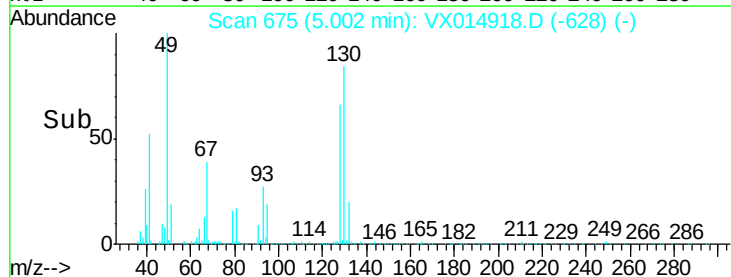
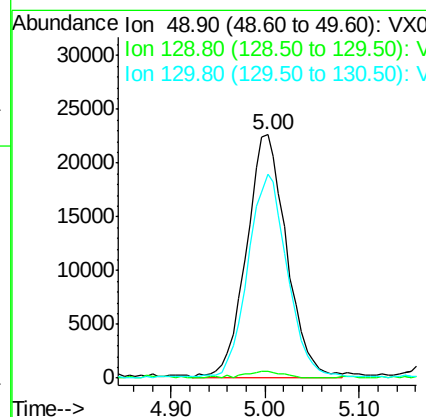
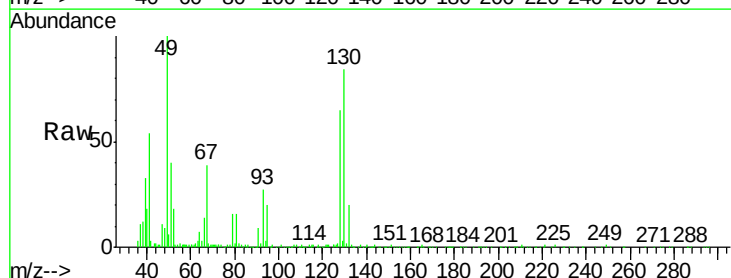
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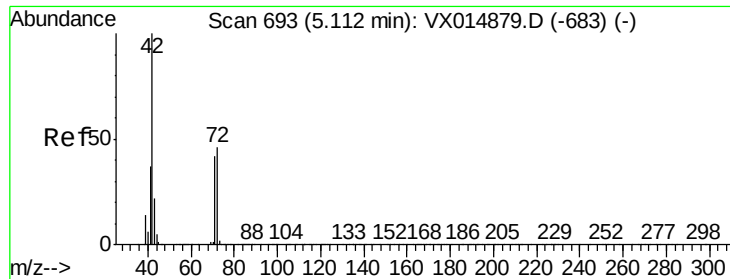


#28

Bromochloromethane
Concen: 21.697 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.2
130	80.9	67.4	101.2





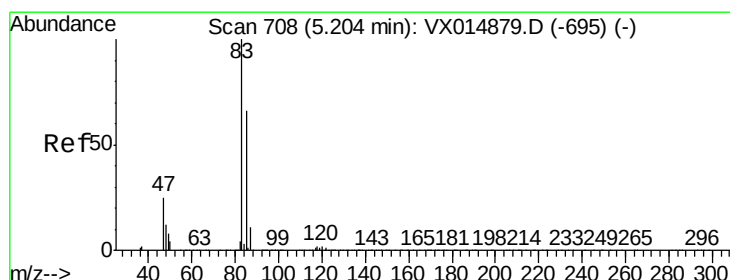
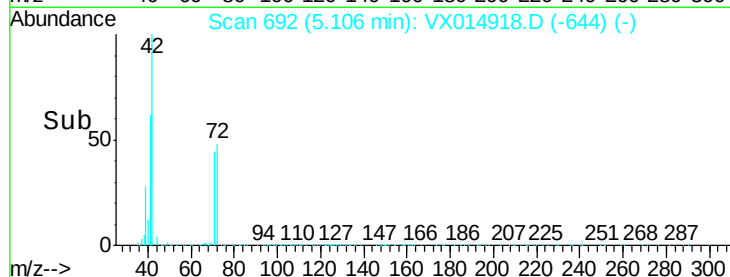
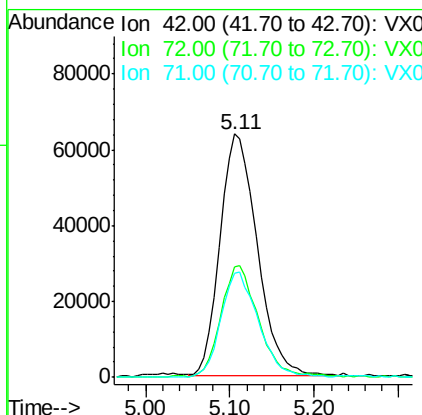
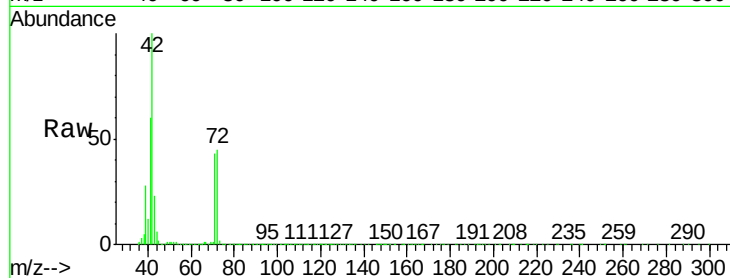
#29
Tetrahydrofuran
Concen: 95.505 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	36.9	55.3
71	43.4	34.1	51.1

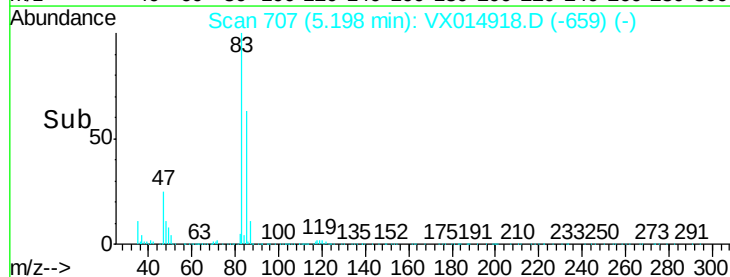
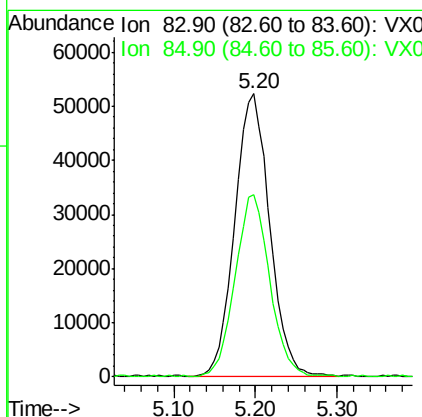
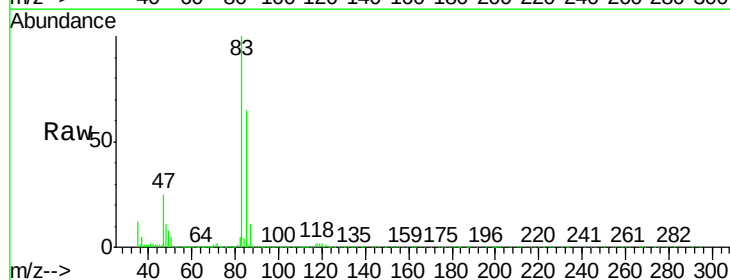
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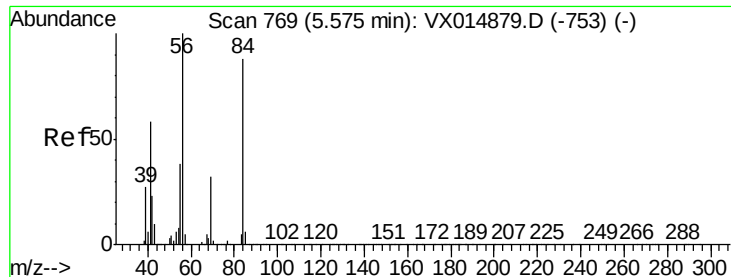
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#30
Chloroform
Concen: 19.281 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.9	79.3





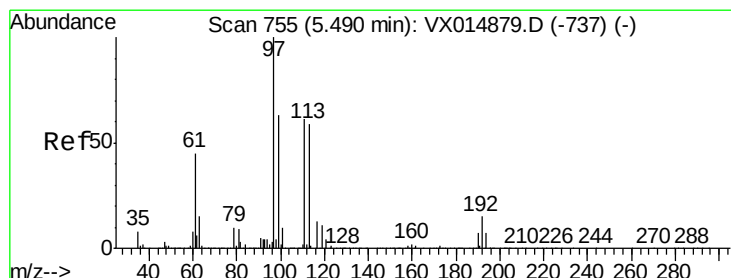
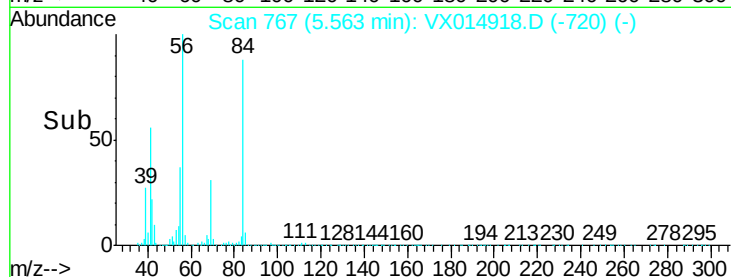
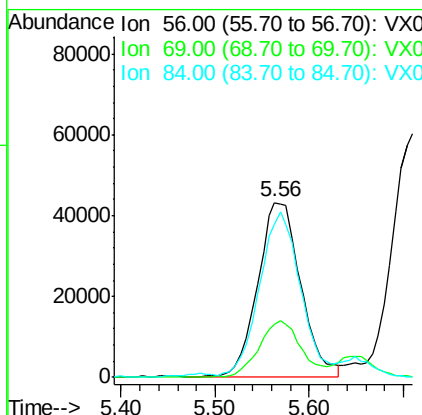
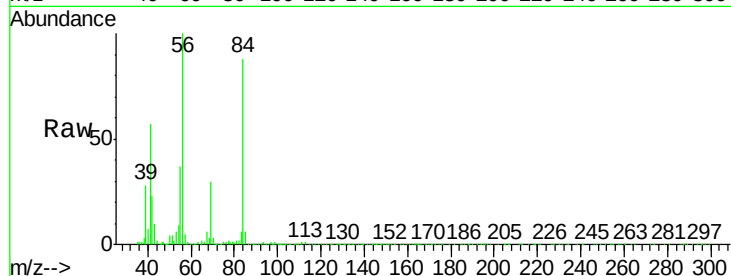
#31
Cyclohexane
Concen: 18.599 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	25.9	38.9
84	86.3	70.4	105.6

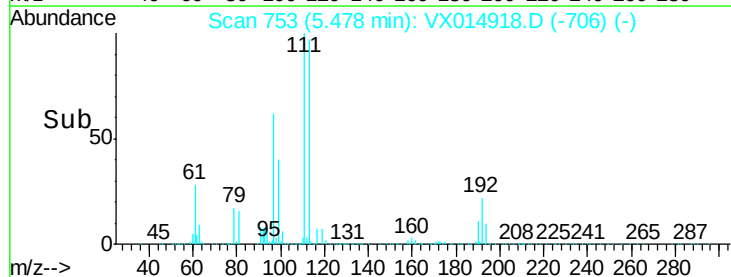
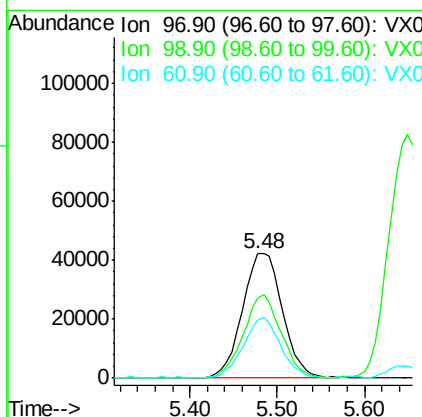
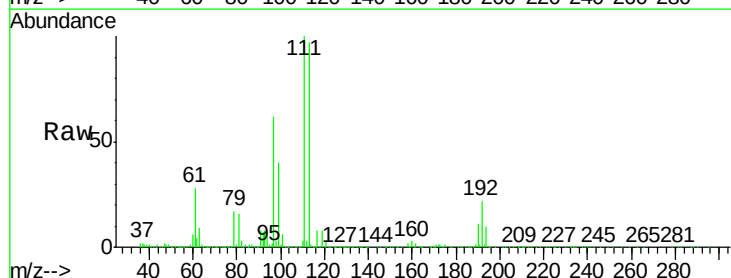
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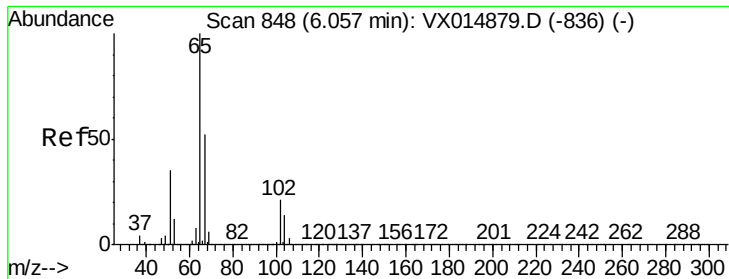
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.041 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.6
61	45.6	36.3	54.5





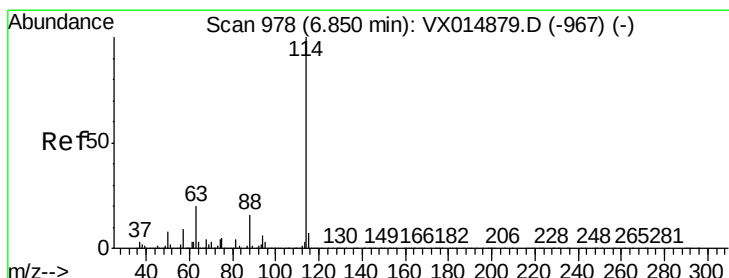
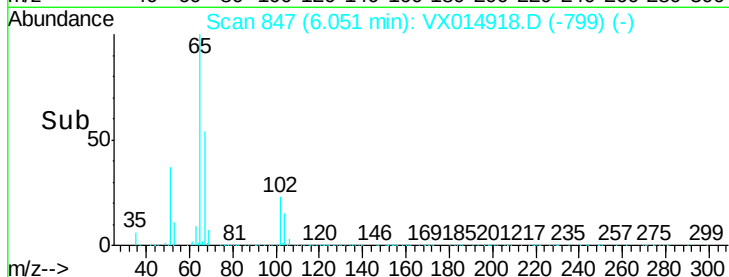
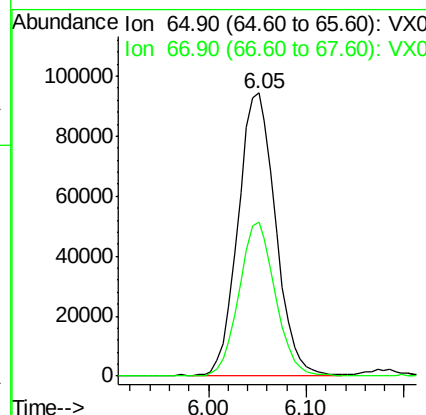
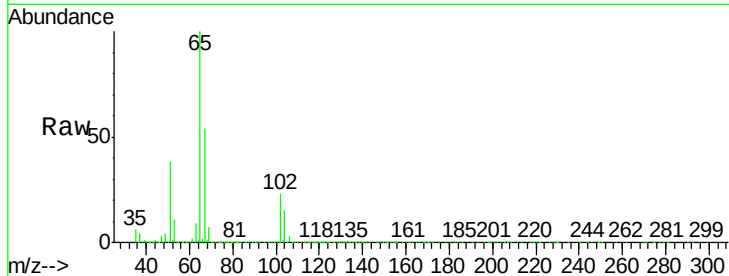
#33
 1,2-Dichloroethane-d4
 Concen: 47.953 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX014918.D
 Acq: 12 Feb 2020 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	249908		
67	52.2	0.0	103.0	

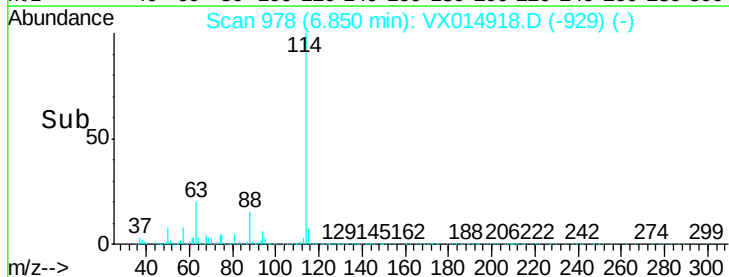
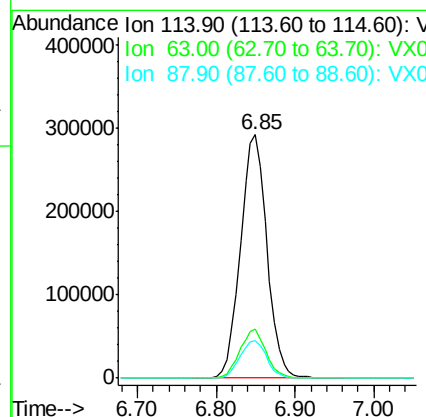
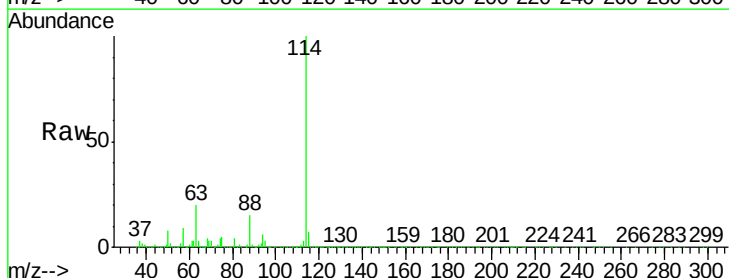
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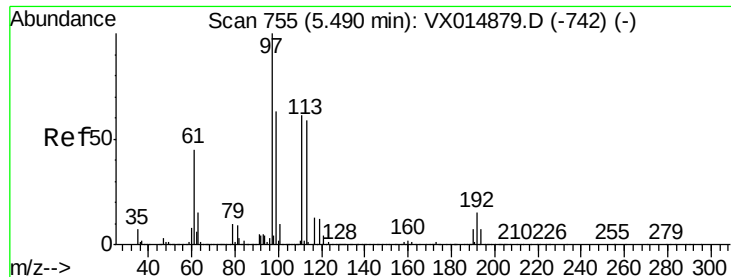
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014918.D
 Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	679660		
63	20.1	0.0	39.2	
88	15.4	0.0	32.0	





#35

Dibromofluoromethane

Concen: 48.556 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

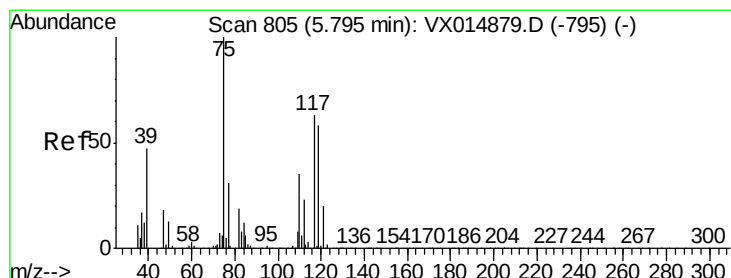
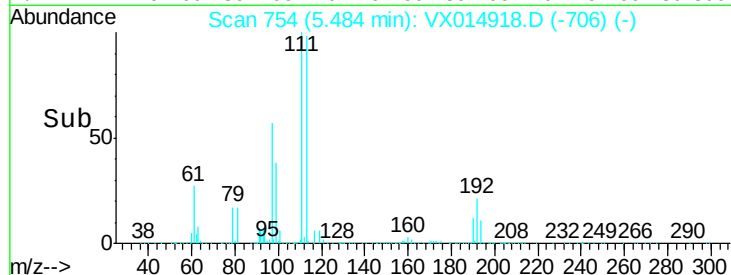
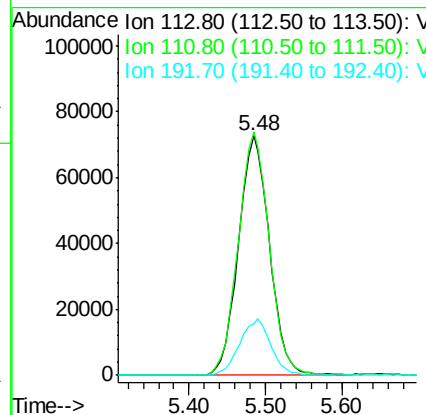
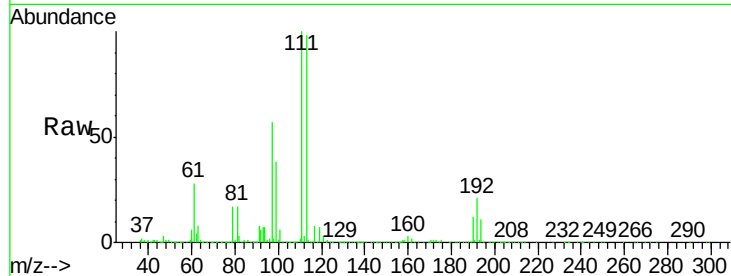
ClientSampleId :

VX0212WBS01

Tot Ion:	113	Resp:	202884
Ion Ratio	Lower	Upper	
113	100		
111	101.7	82.4	123.6
192	24.1	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 19.410 ug/l

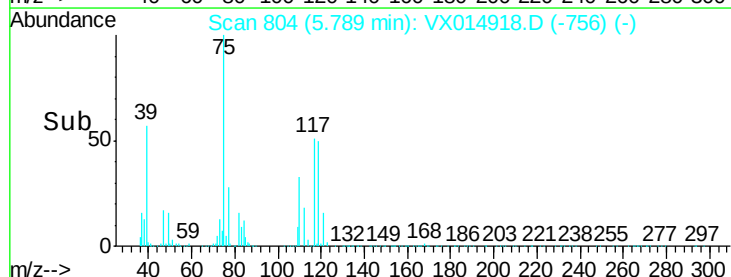
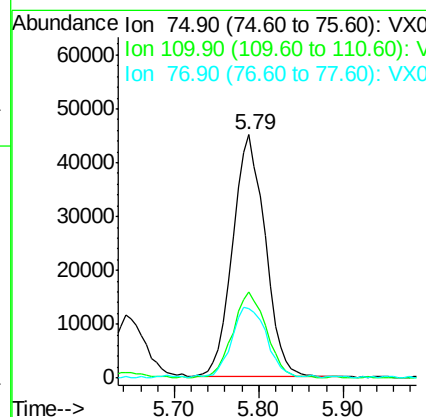
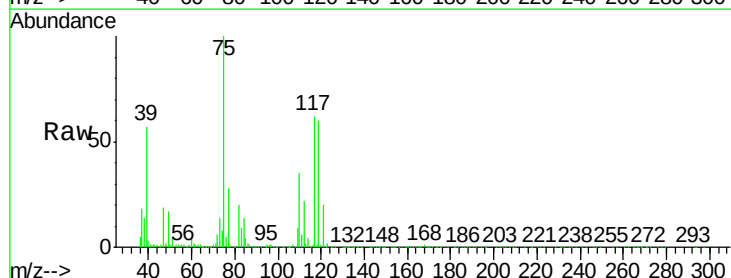
RT: 5.79 min Scan# 804

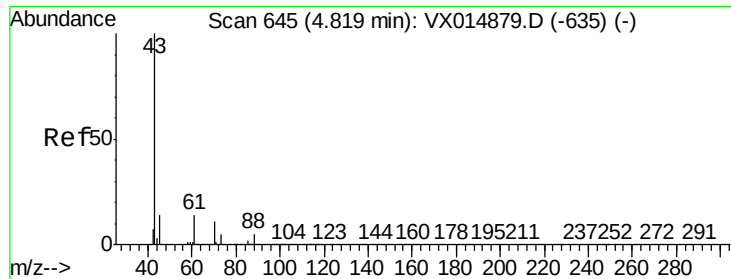
Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Tgt Ion:	75	Resp:	118007
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.3	54.8
77	31.6	24.6	36.8





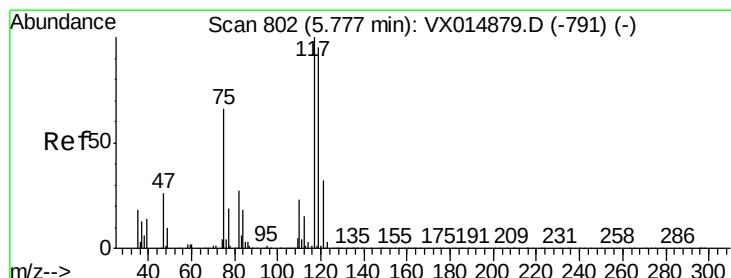
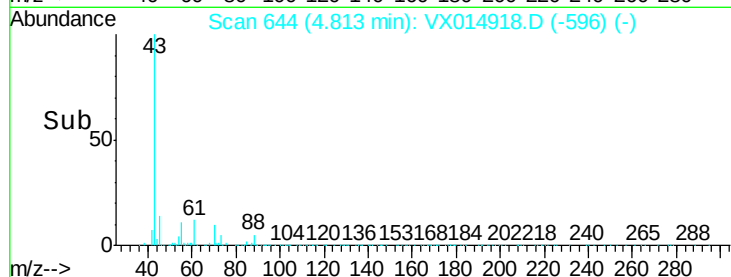
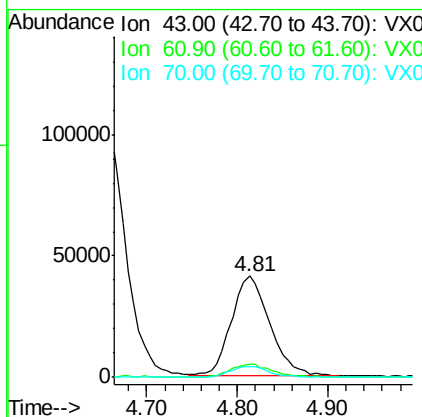
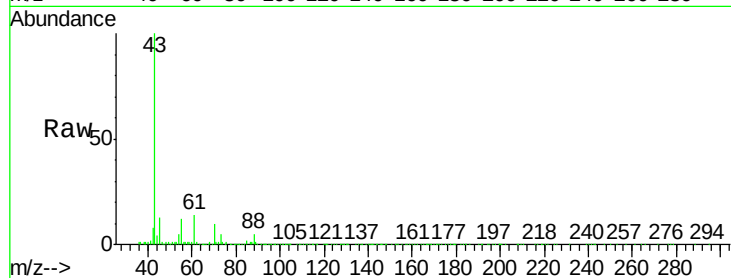
#37
Ethyl Acetate
Concen: 19.149 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.9	16.3
70	10.7	8.7	13.1

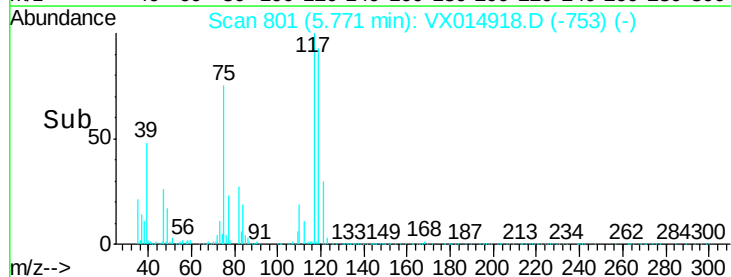
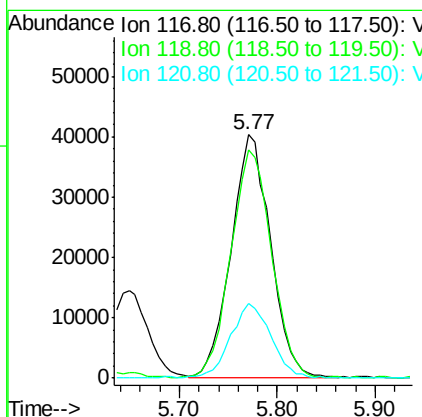
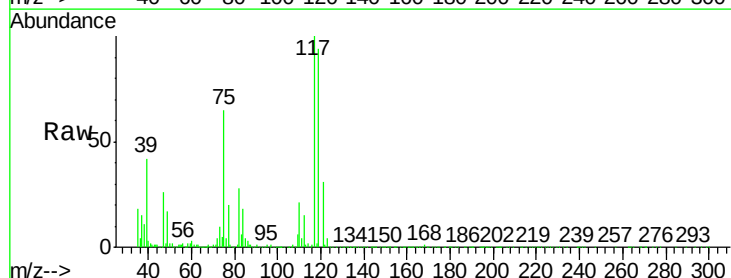
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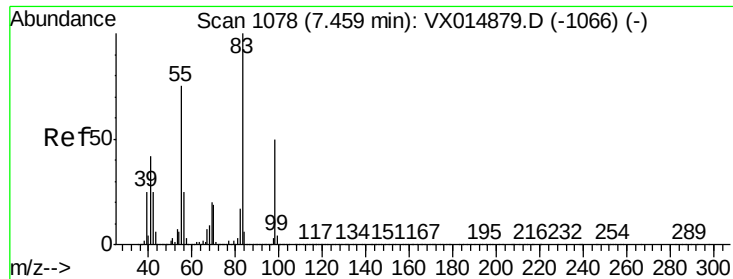
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#38
Carbon Tetrachloride
Concen: 18.981 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.0	114.0
121	30.3	25.4	38.2





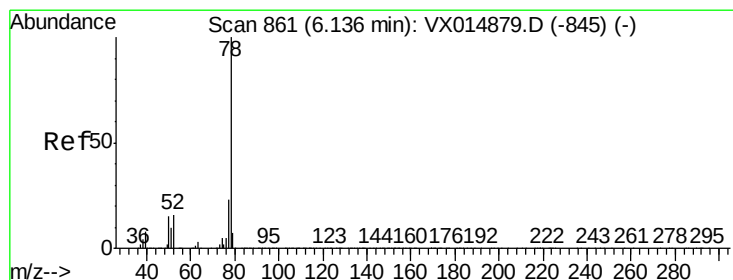
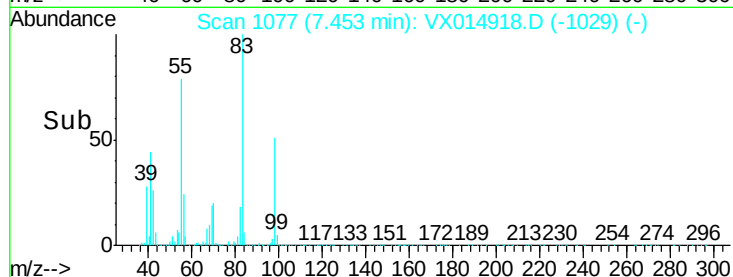
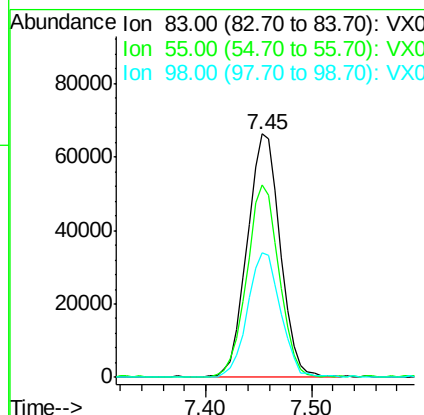
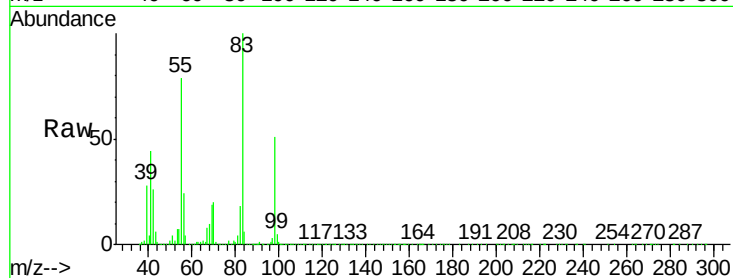
#39
Methylvlcyclohexane
Concen: 18.862 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	60.0	90.0
98	50.9	39.6	59.4

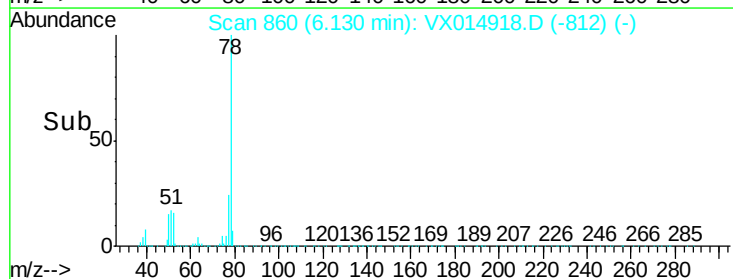
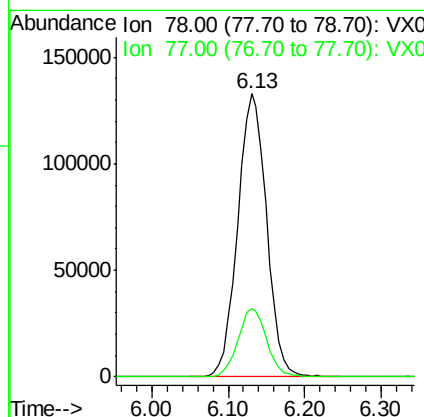
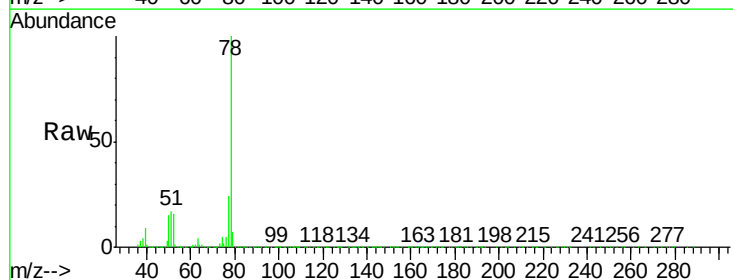
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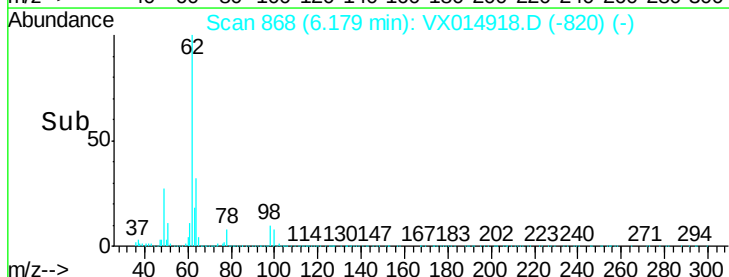
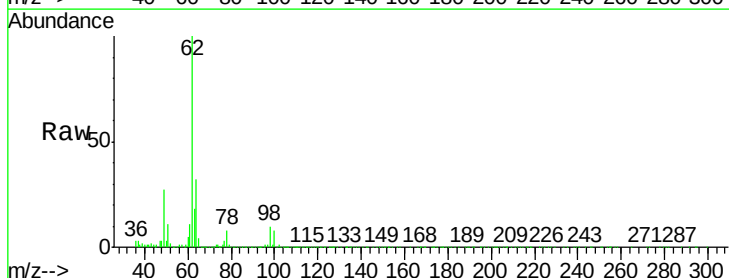
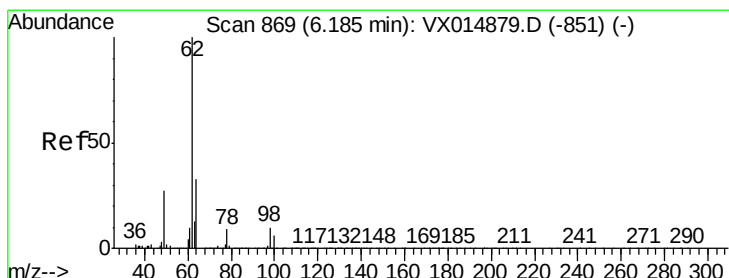
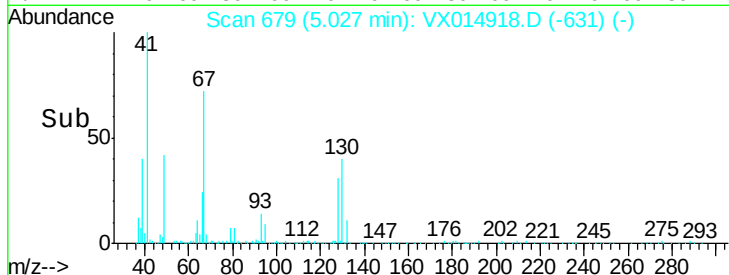
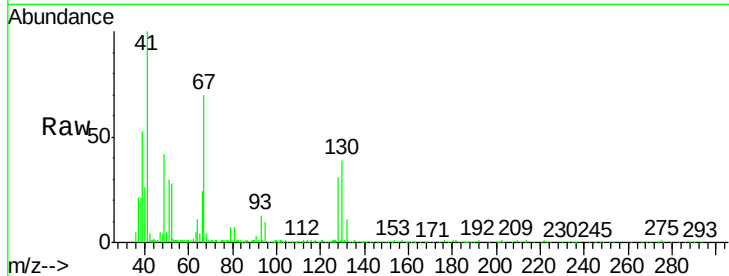
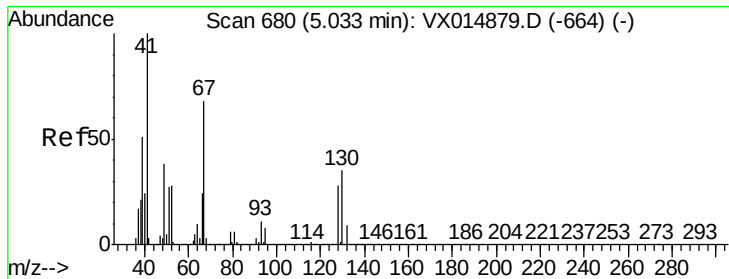
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#40
Benzene
Concen: 19.022 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

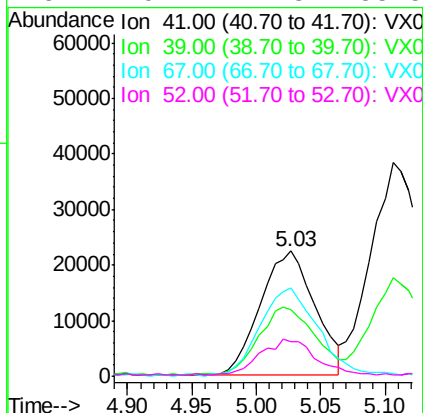
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





#41
Methacrylonitrile
Concen: 19.329 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		66028		
39	56.1	44.7	67.1		
67	75.6	56.6	84.8		
52	29.2	22.3	33.5		



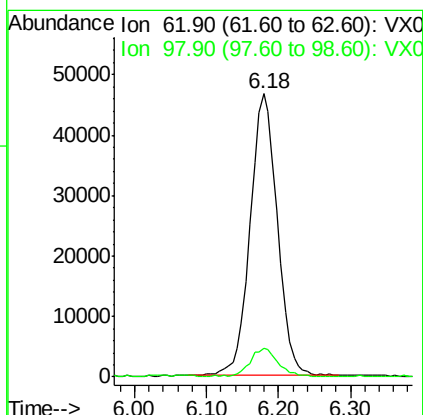
Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

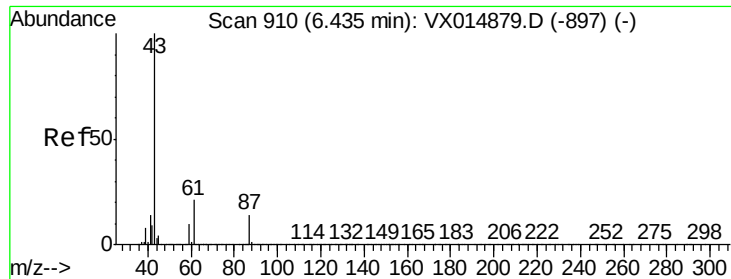
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#42
1,2-Dichloroethane
Concen: 18.676 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		122615		
98	10.5	0.0	19.2		





#43

Isopropyl Acetate

Concen: 19.108 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

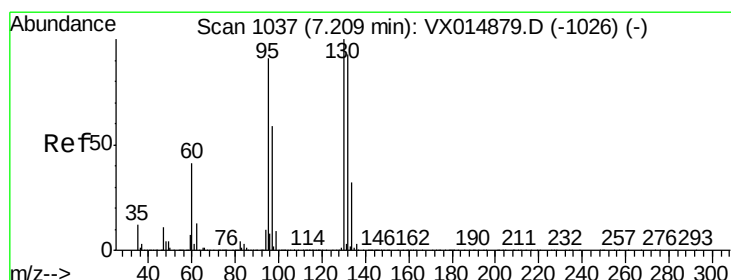
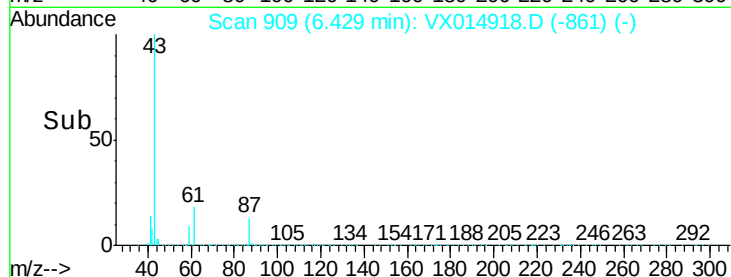
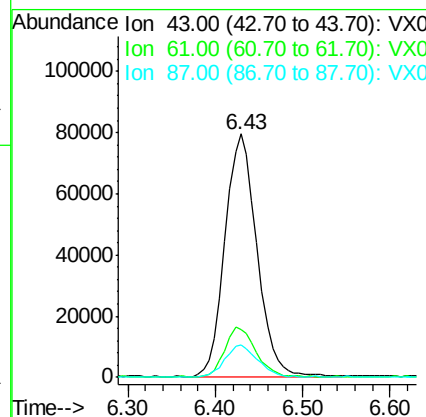
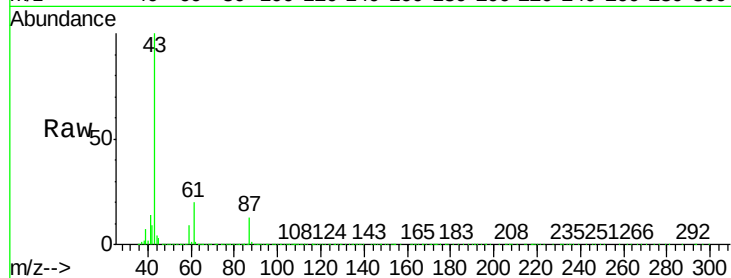
ClientSampleId :

VX0212WBS01

Tot Ion:	43	Resp:	199873
Ion Ratio		Lower	Upper
43	100		
61	19.6	16.2	24.4
87	13.6	11.0	16.6

Manual Integrations
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2/13/2020 11:15:53 AM



#44

Trichloroethene

Concen: 18.740 ug/l

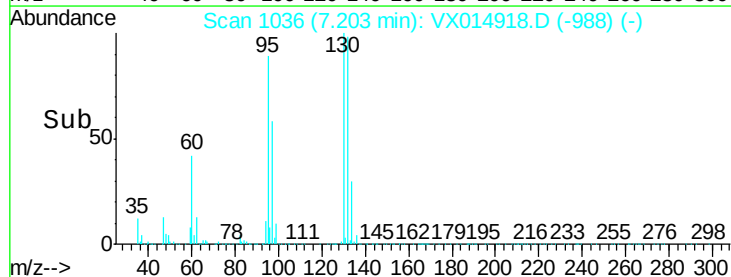
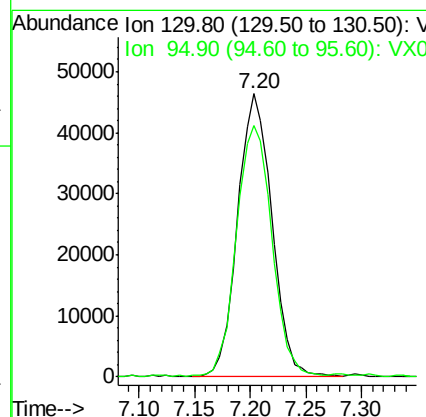
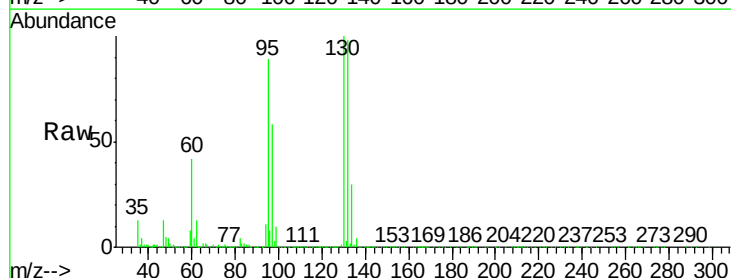
RT: 7.20 min Scan# 1036

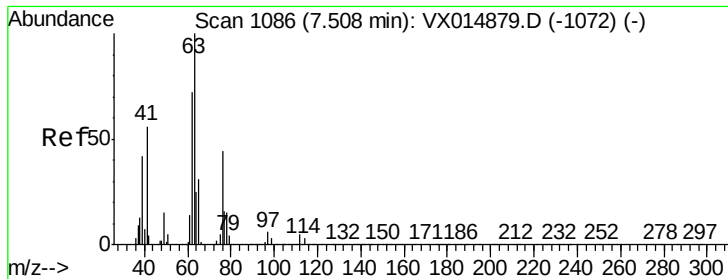
Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Tgt Ion:	130	Resp:	98821
Ion Ratio		Lower	Upper
130	100		
95	88.4	0.0	182.6





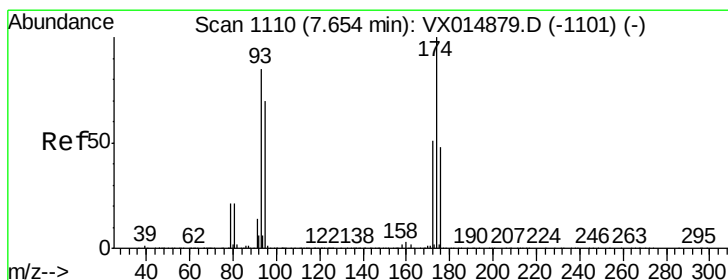
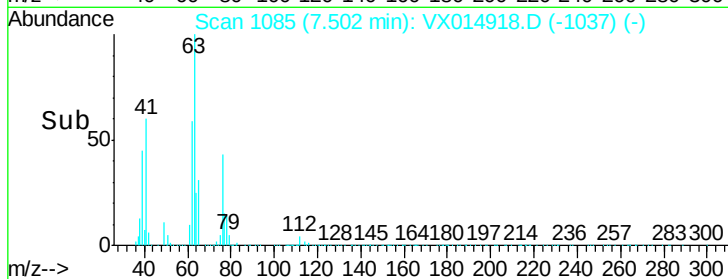
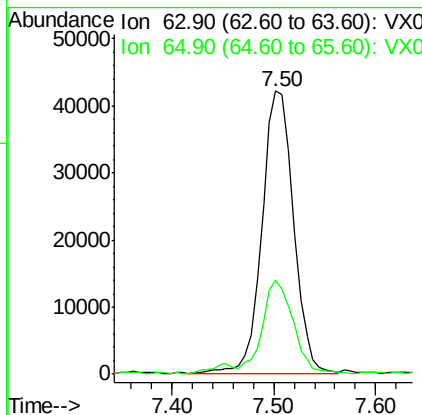
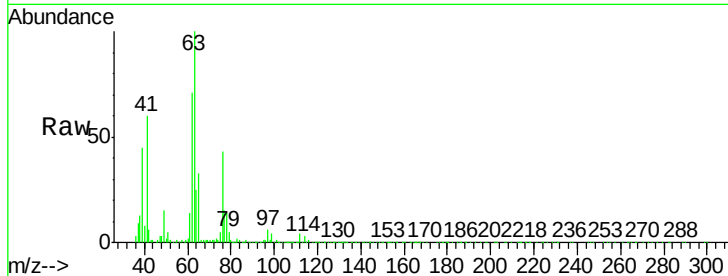
#45
 1,2-Dichloropropane
 Concen: 19.571 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014918.D
 Acq: 12 Feb 2020 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	24.9	37.3

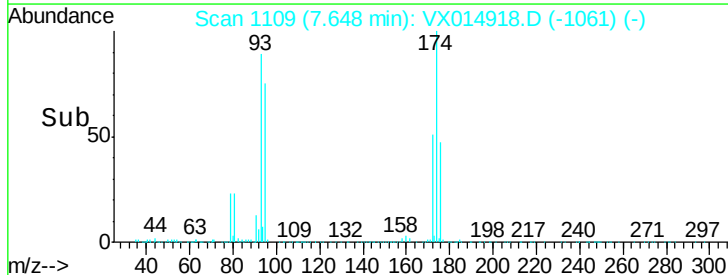
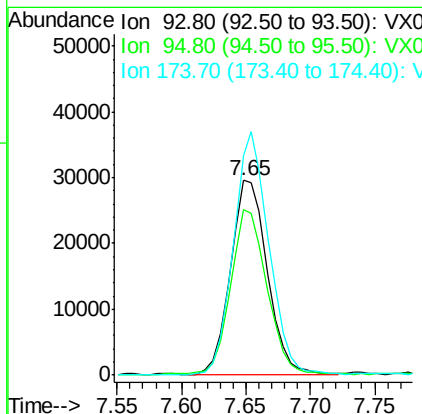
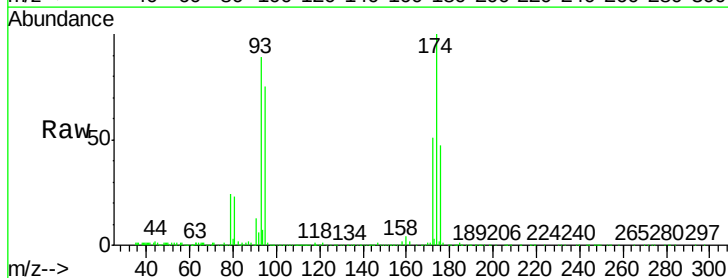
Manual Integrations
 APPROVED

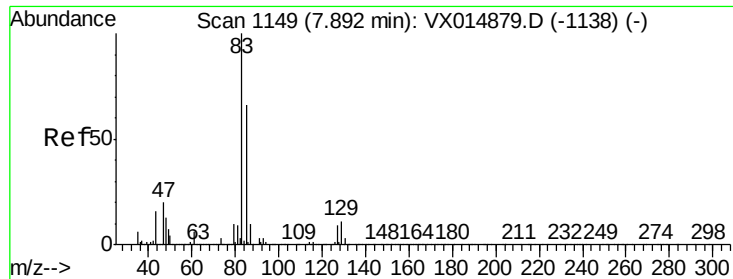
MMDadoda
 2/13/2020 11:15:53 AM



#46
 Dibromomethane
 Concen: 18.509 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX014918.D
 Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.8	65.8	98.8
174	120.4	95.4	143.2





#47

Bromodichloromethane

Concen: 18.600 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

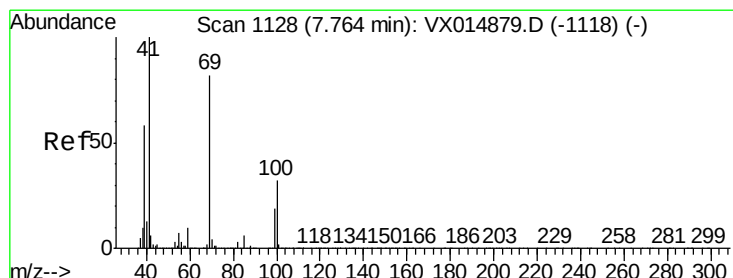
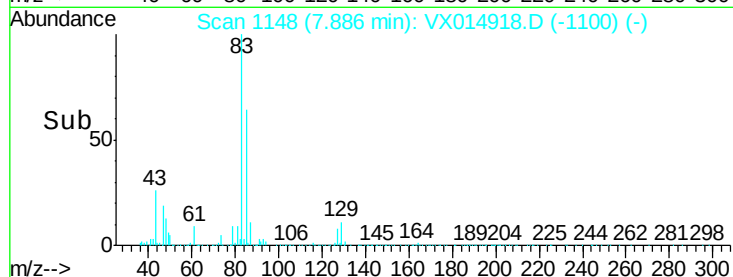
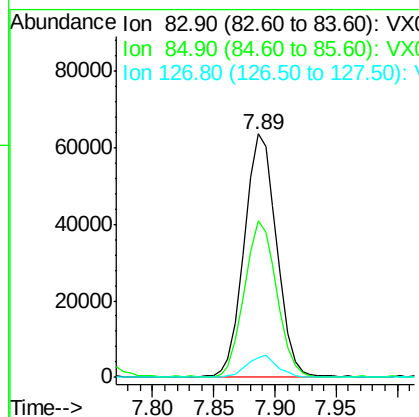
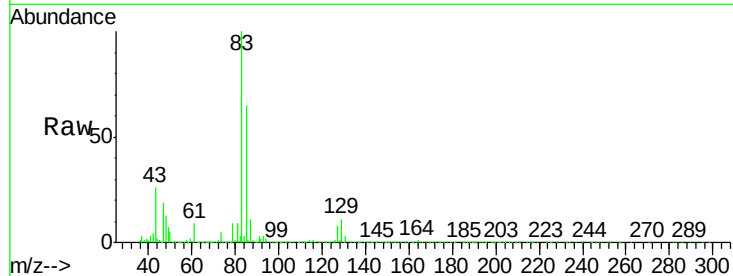
ClientSampleId :

VX0212WBS01

Tot Ion:	83	Resp:	116785
Ion Ratio	Lower	Upper	
83	100		
85	64.3	52.5	78.7
127	8.0	7.4	11.0

Manual Integrations
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MMDadoda
2/13/2020 11:15:53 AM



#48

Methyl methacrylate

Concen: 19.097 ug/l

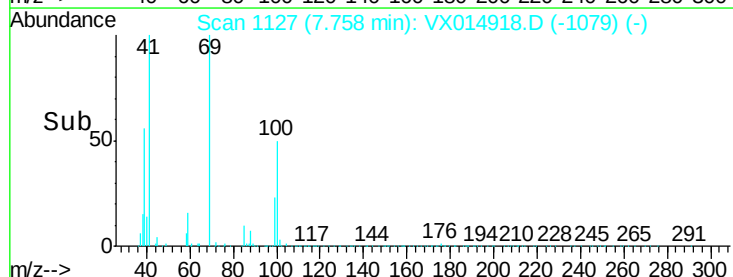
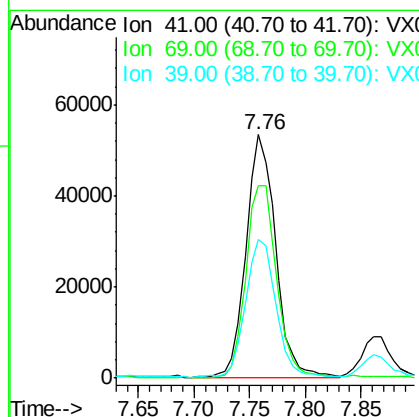
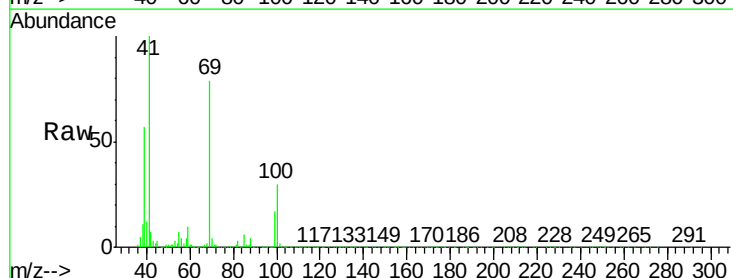
RT: 7.76 min Scan# 1127

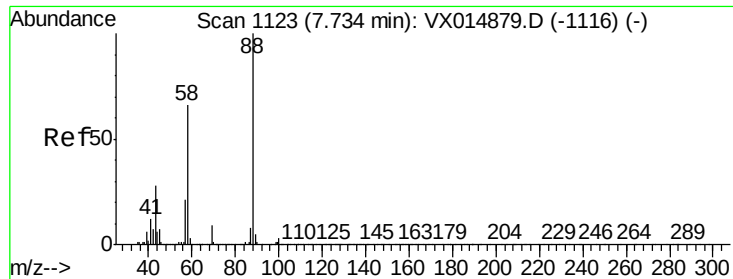
Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Tgt Ion:	41	Resp:	98308
Ion Ratio	Lower	Upper	
41	100		
69	82.8	65.7	98.5
39	58.2	45.8	68.8





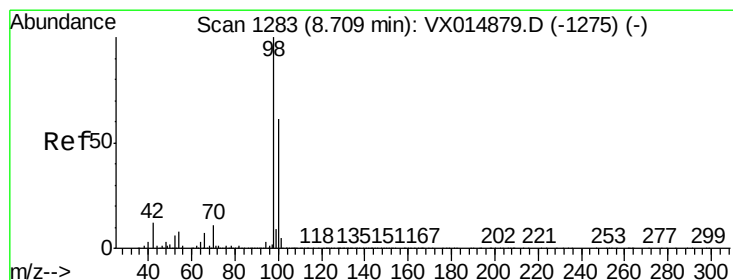
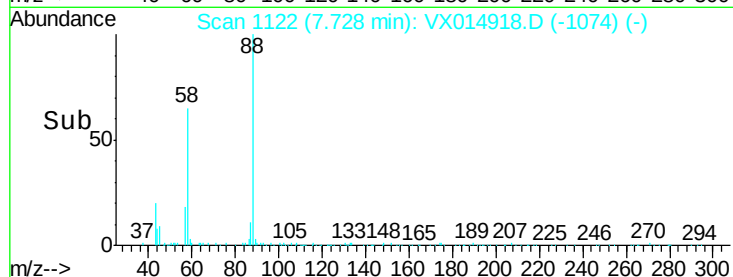
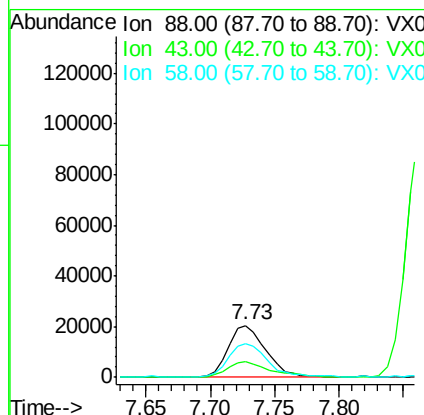
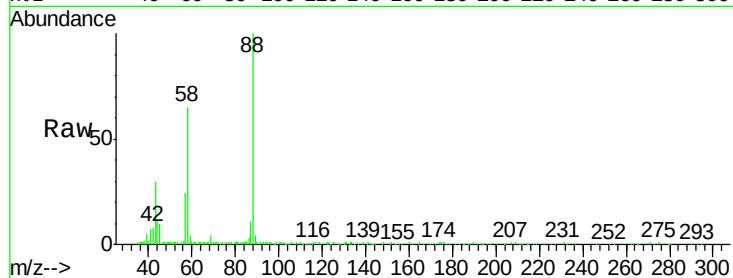
#49
1,4-Dioxane
Concen: 432.736 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	27.0	40.4
58	65.4	53.2	79.8

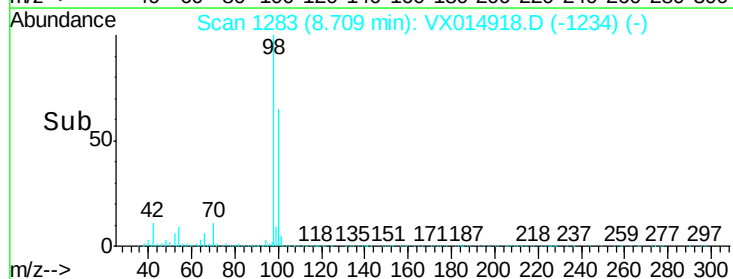
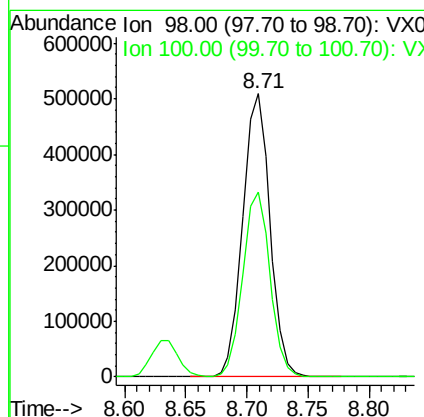
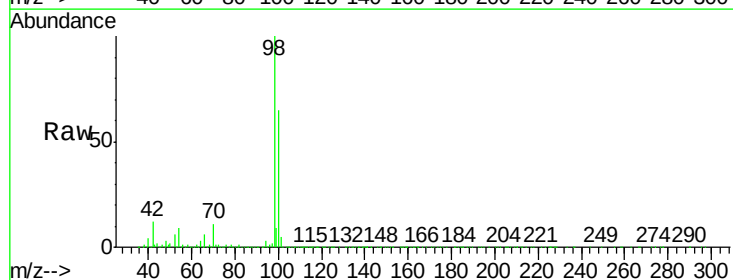
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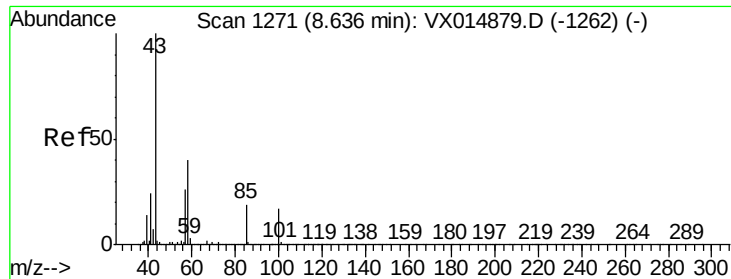
MMDadoda
2/13/2020 11:15:53 AM



#50
Toluene-d8
Concen: 49.225 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 96.651 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

ClientSampled :

VX0212WBS01

Tot Ion: 43 Resp: 610475

Ion Ratio Lower Upper

43 100

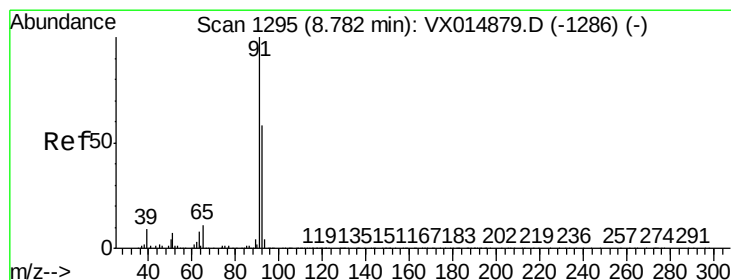
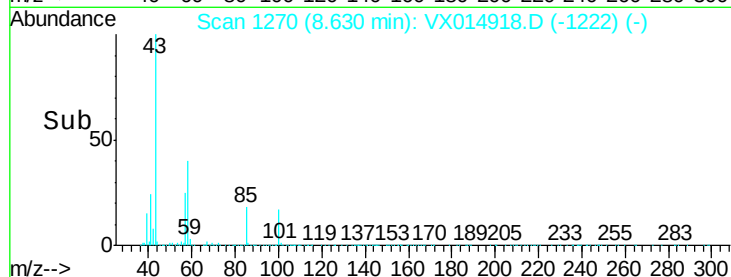
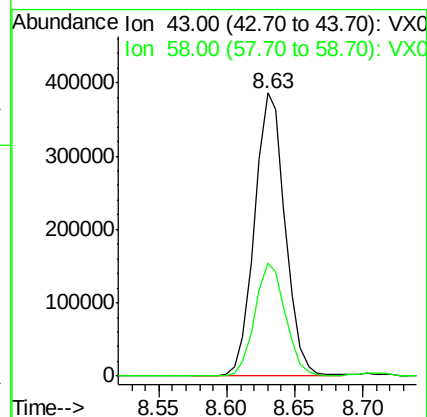
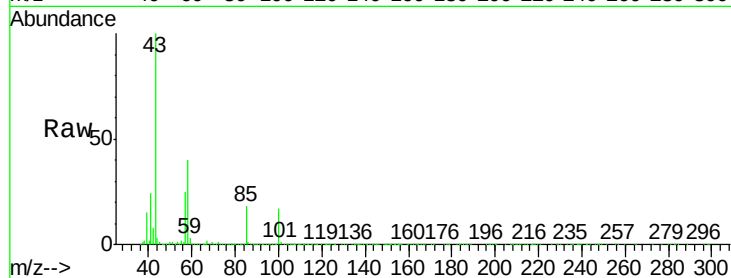
58 39.9 31.9 47.9

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 19.157 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014918.D

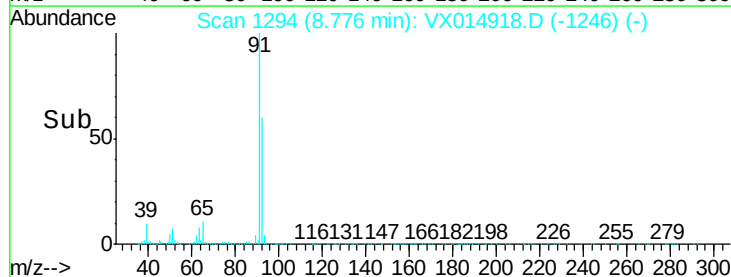
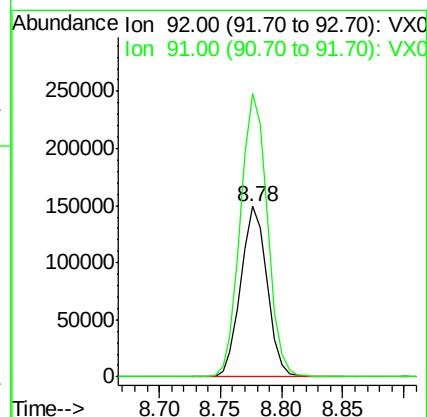
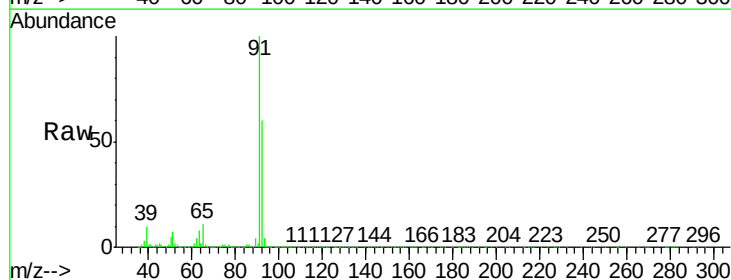
Acq: 12 Feb 2020 12:13

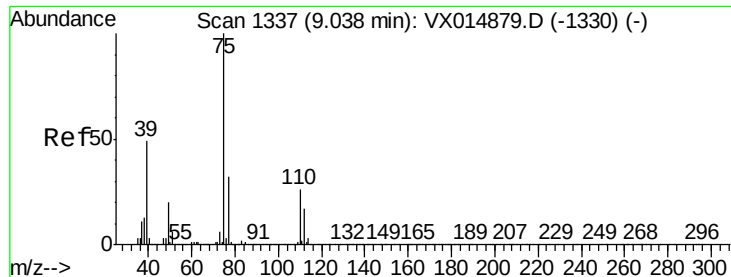
Tgt Ion: 92 Resp: 221025

Ion Ratio Lower Upper

92 100

91 171.0 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 18.787 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

ClientSampled :

VX0212WBS01

Tot Ion: 75 Resp: 129280

Ion Ratio Lower Upper

75 100

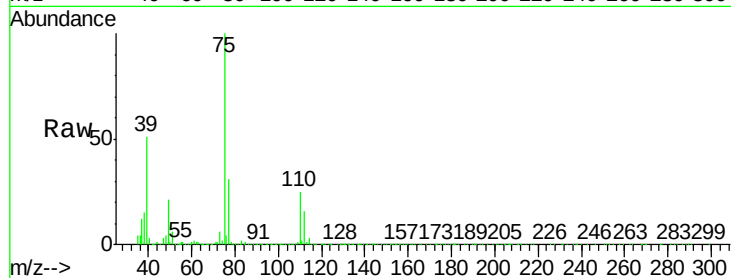
77 31.0 25.5 38.3

Manual Integrations

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2/13/2020 11:15:53 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.03

100000

80000

60000

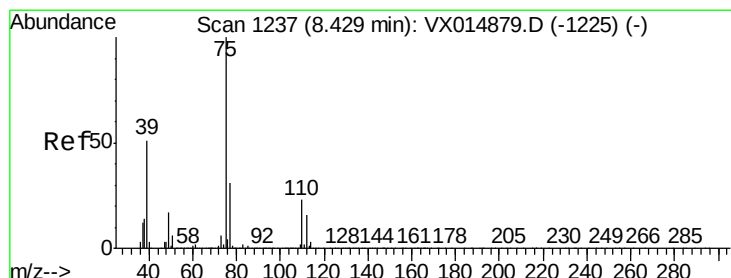
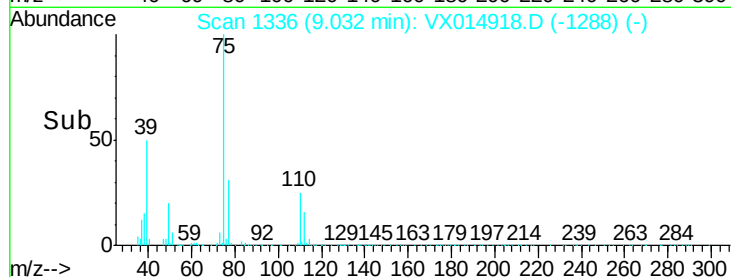
40000

20000

0

8.95 9.00 9.05 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.792 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

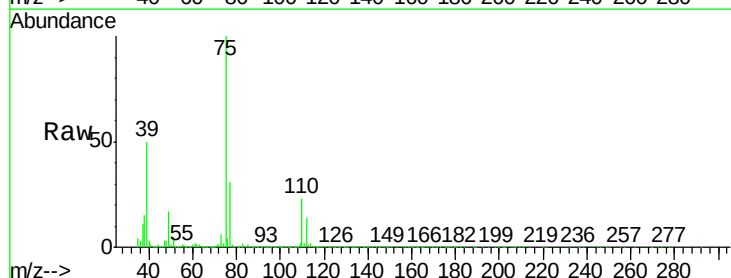
Tgt Ion: 75 Resp: 142853

Ion Ratio Lower Upper

75 100

77 31.0 24.6 37.0

39 49.7 40.9 61.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

120000

100000

80000

60000

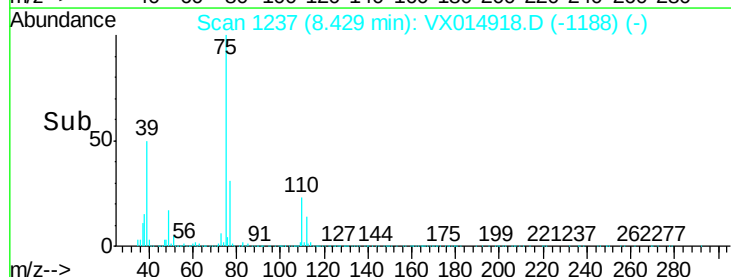
40000

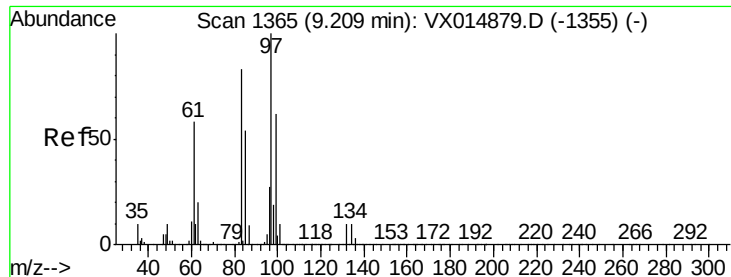
20000

0

8.35 8.40 8.45 8.50 8.55

Time-->





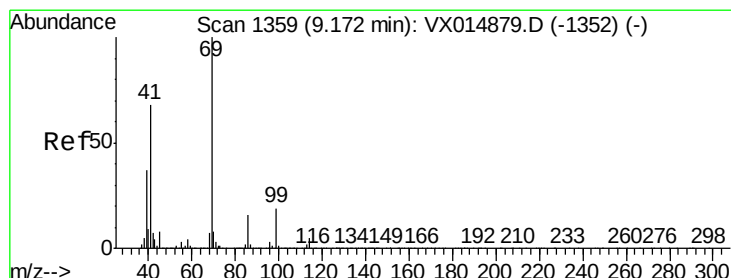
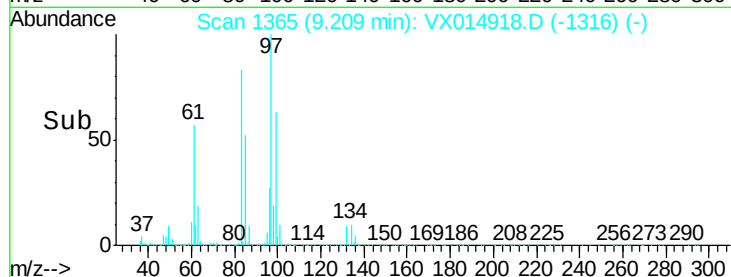
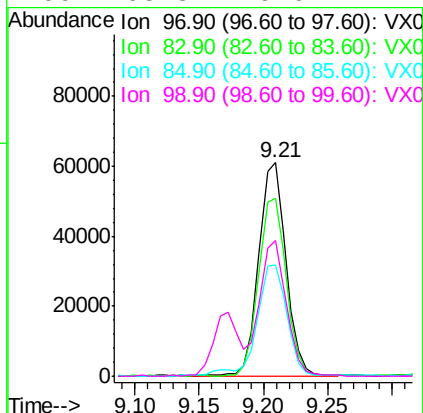
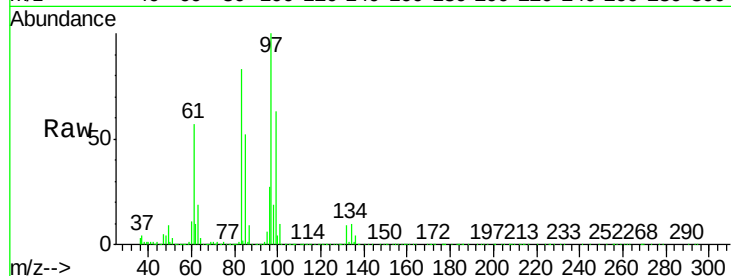
#55
 1,1,2-Trichloroethane
 Concen: 18.919 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014918.D
 Acq: 12 Feb 2020 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		88312		
83	83.4	66.6	99.8		
85	52.0	43.5	65.3		
99	63.3	49.6	74.4		

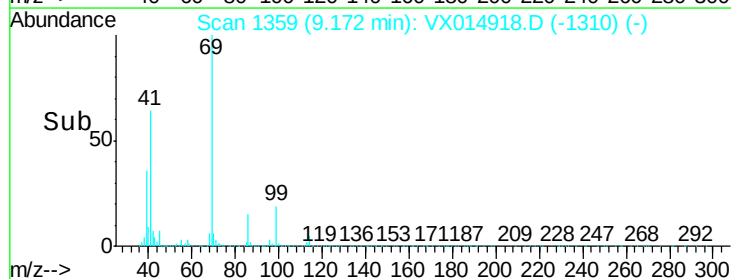
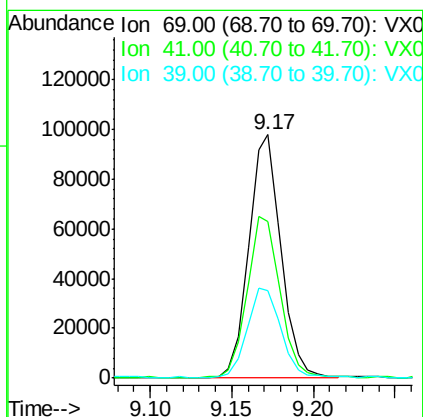
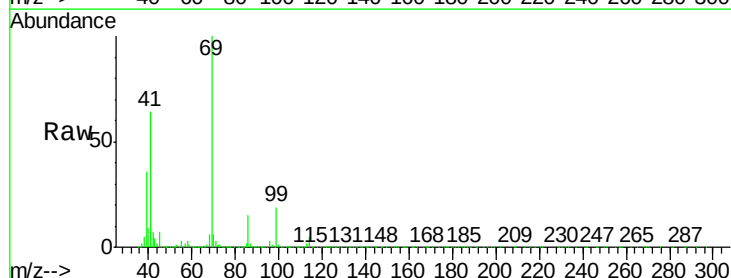
Manual Integrations
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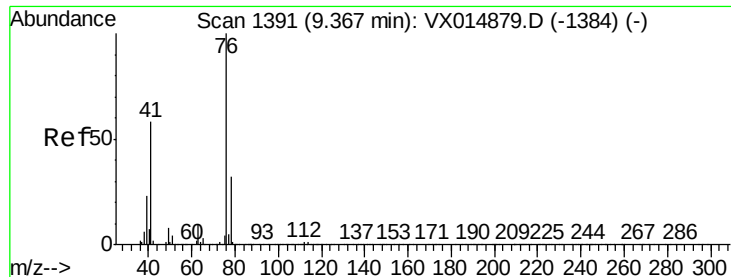
MMDadoda
 2/13/2020 11:15:53 AM



#56
 Ethyl methacrylate
 Concen: 19.130 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014918.D
 Acq: 12 Feb 2020 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		134218		
41	67.7	54.8	82.2		
39	38.1	29.9	44.9		





#57

1,3-Dichloropropane

Concen: 18.865 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion: 76 Resp: 148229

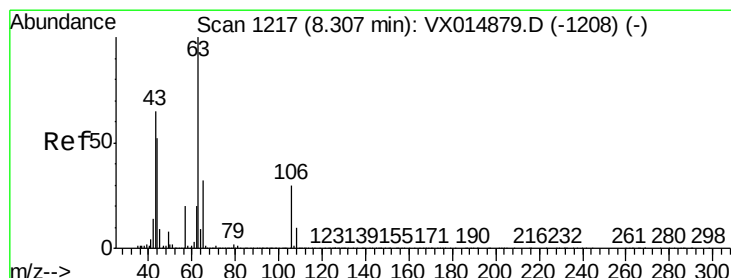
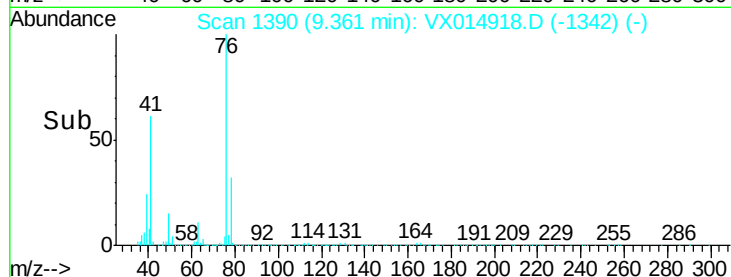
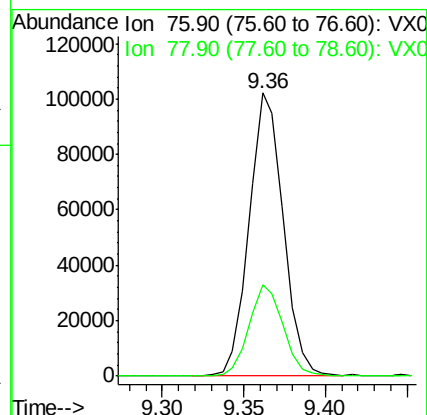
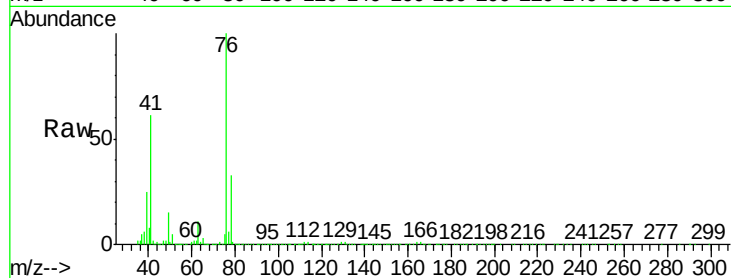
Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8

Manual Integrations
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MMDadoda
2/13/2020 11:15:53 AM



#58

2-Chloroethyl Vinyl ether

Concen: 93.191 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014918.D

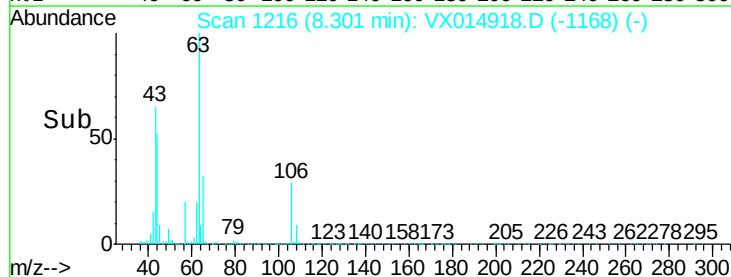
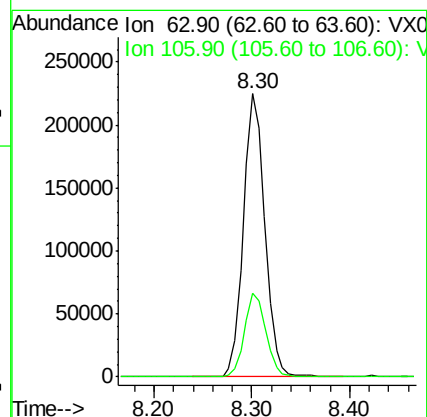
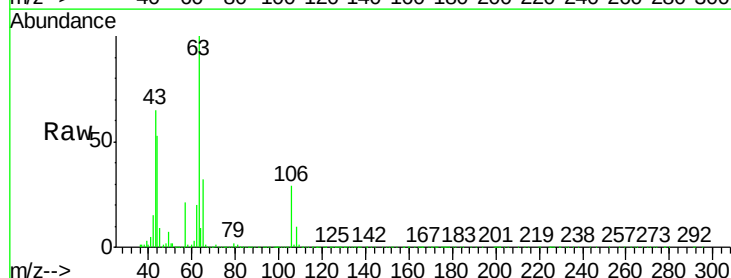
Acq: 12 Feb 2020 12:13

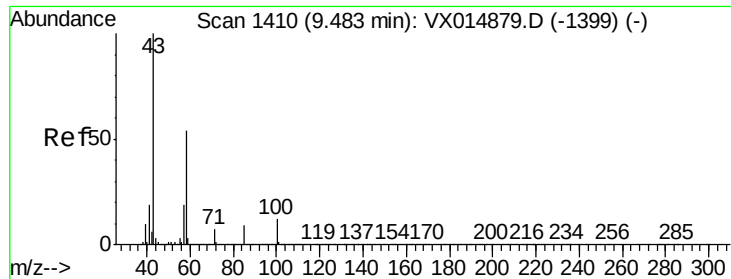
Tgt Ion: 63 Resp: 341948

Ion Ratio Lower Upper

63 100

106 29.7 23.8 35.8





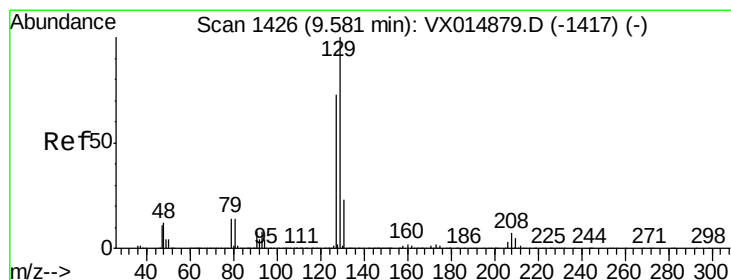
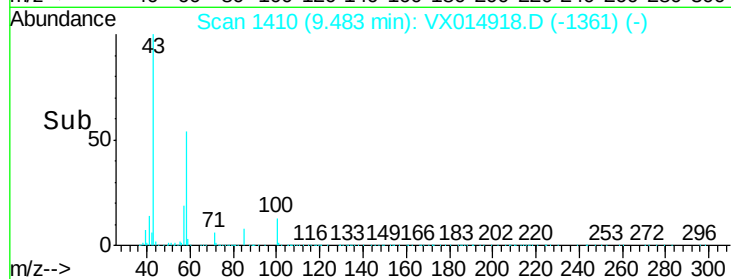
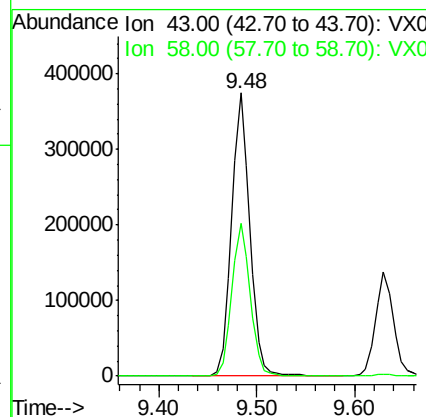
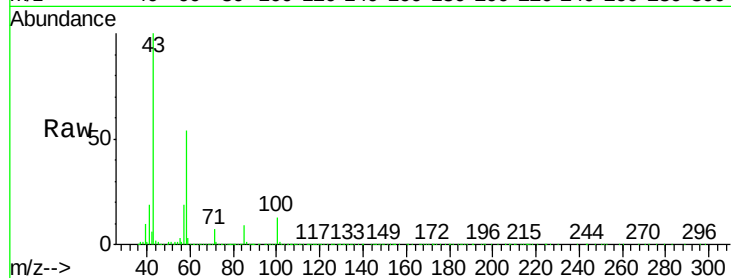
#59
2-Hexanone
Concen: 97.561 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	27.5	82.5

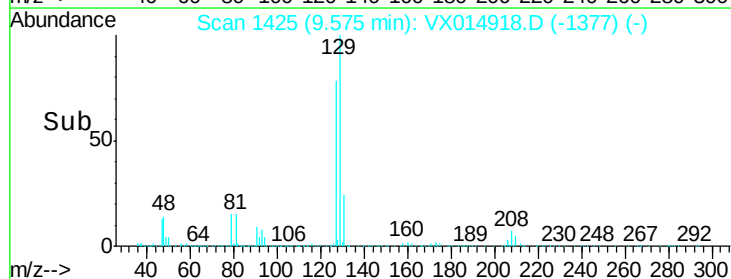
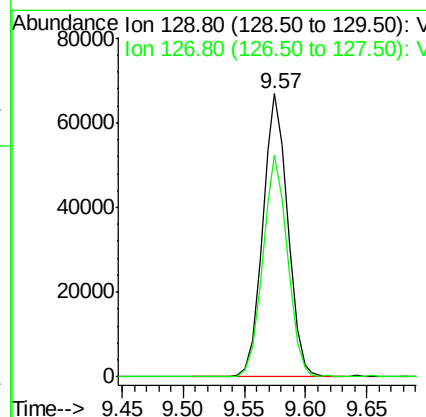
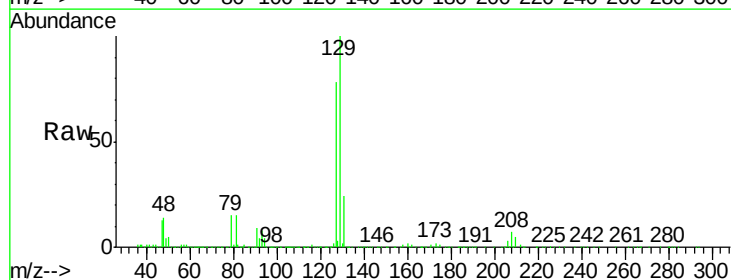
Manual Integrations
APPROVED

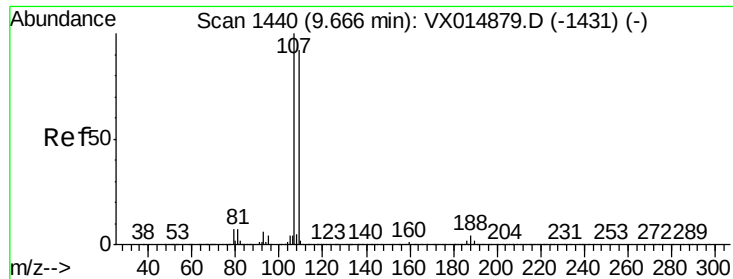
MMDadoda
2/13/2020 11:15:53 AM



#60
Dibromochloromethane
Concen: 19.027 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	37.8	113.3





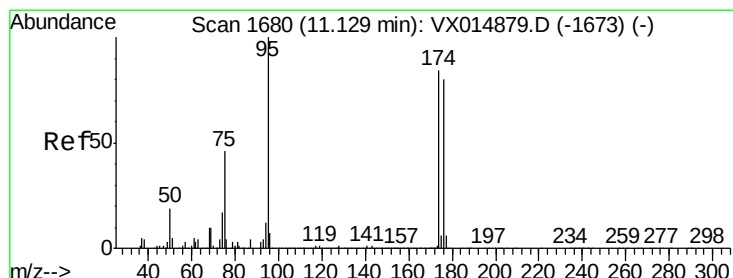
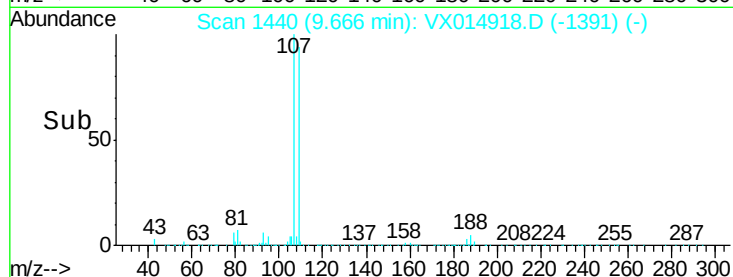
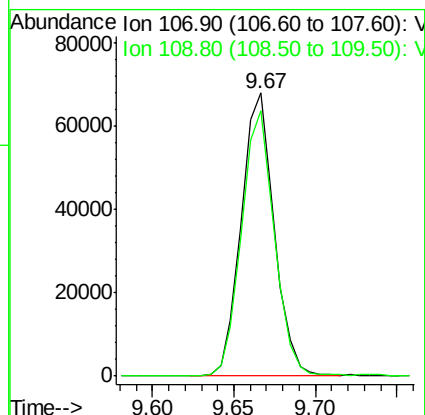
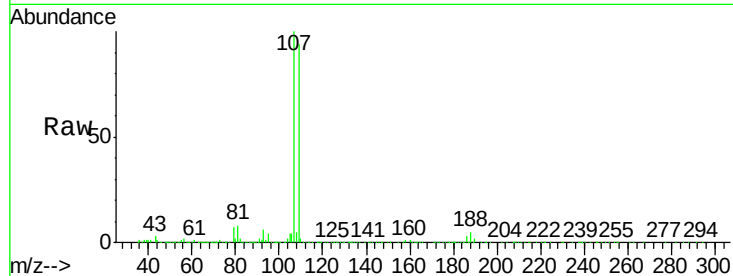
#61
 1,2-Dibromoethane
 Concen: 18.934 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014918.D
 Acq: 12 Feb 2020 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.6	113.4

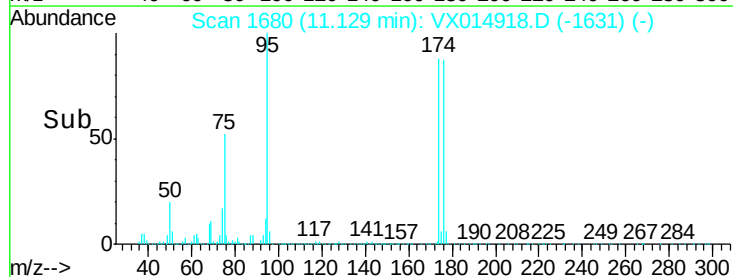
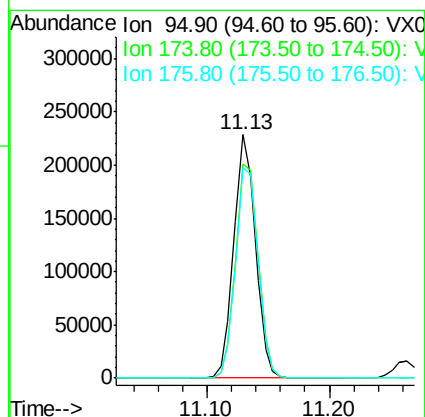
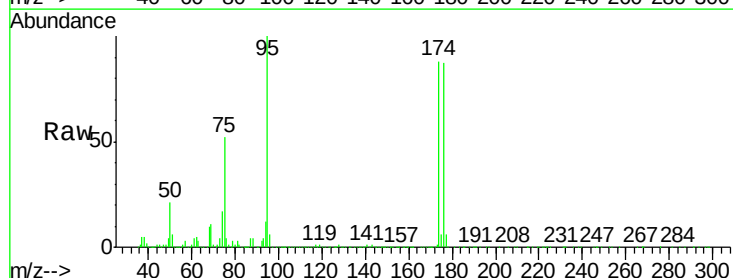
Manual Integrations
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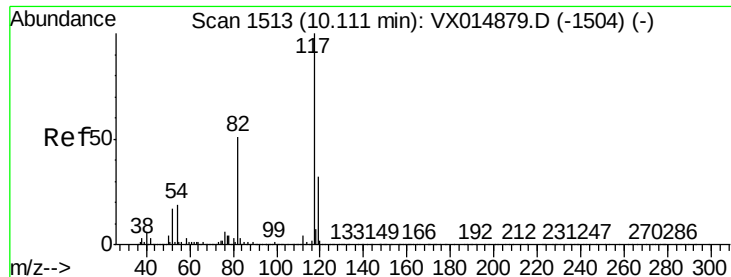
MMDadoda
 2/13/2020 11:15:53 AM



#62
 4-Bromofluorobenzene
 Concen: 48.227 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: VX014918.D
 Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.1	0.0	183.0
176	90.6	0.0	178.0





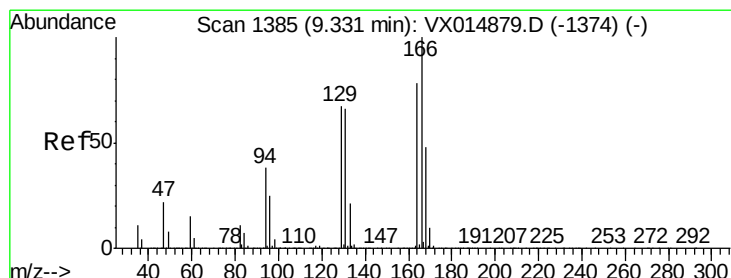
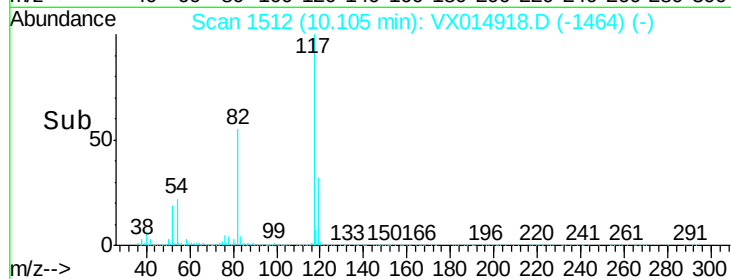
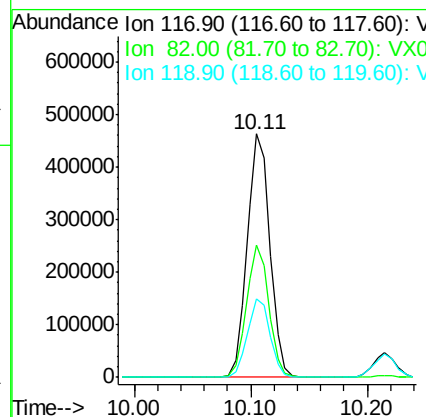
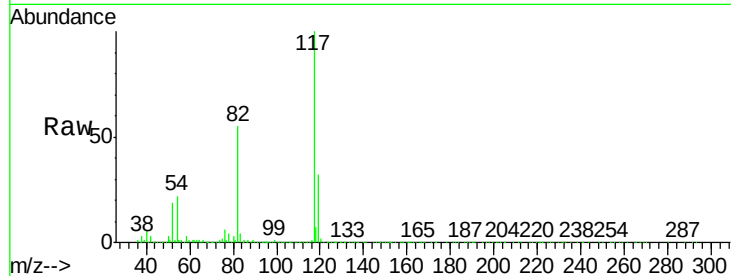
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	54.5	40.5	60.7
119	32.4	25.8	38.6

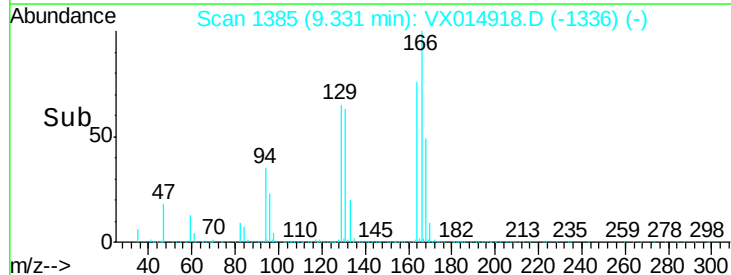
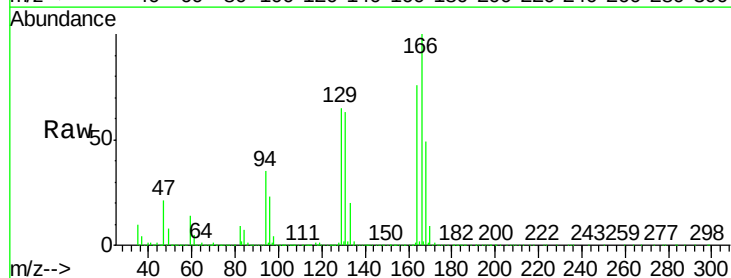
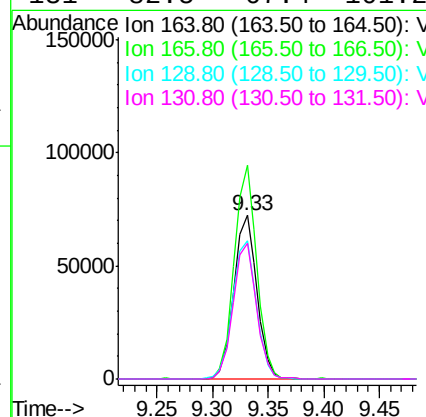
Manual Integrations
APPROVED

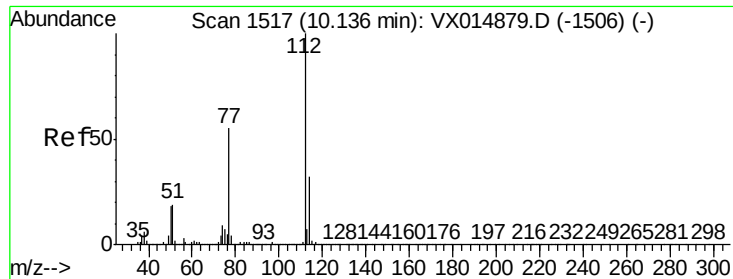
MMDadoda
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#64
Tetrachloroethene
Concen: 17.627 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	130.6	102.6	153.8
129	84.4	68.3	102.5
131	82.5	67.4	101.2





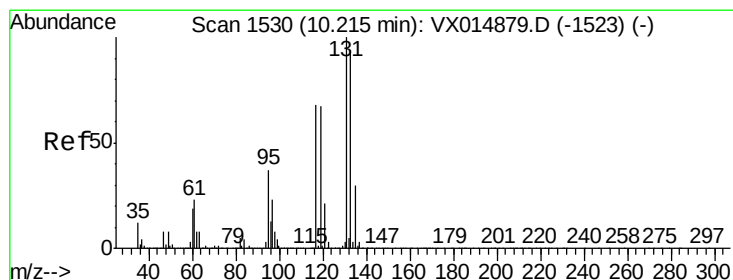
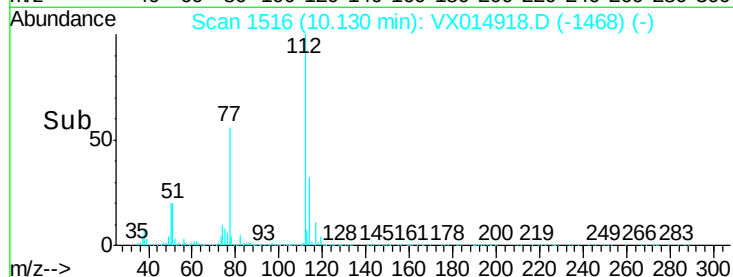
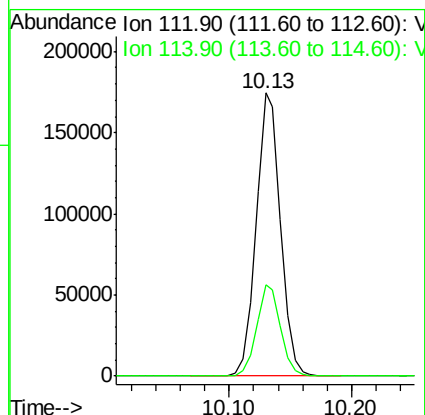
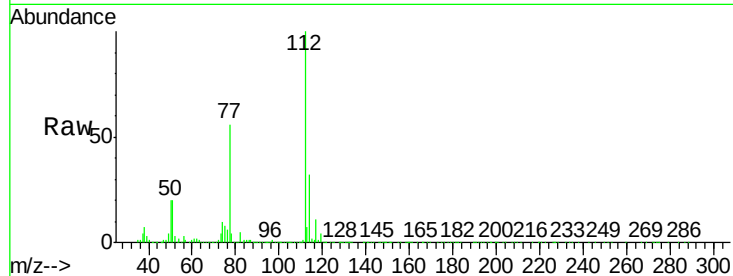
#65
Chlorobenzene
Concen: 18.894 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.6	38.4

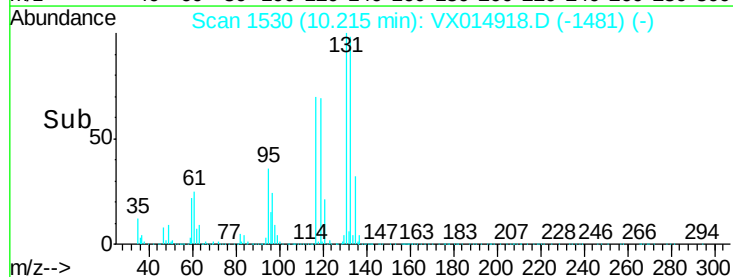
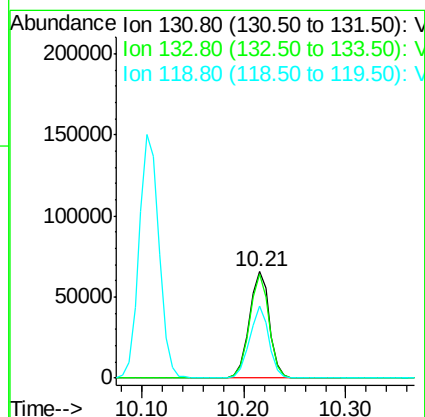
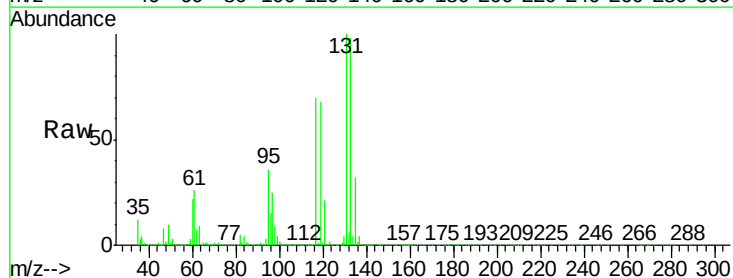
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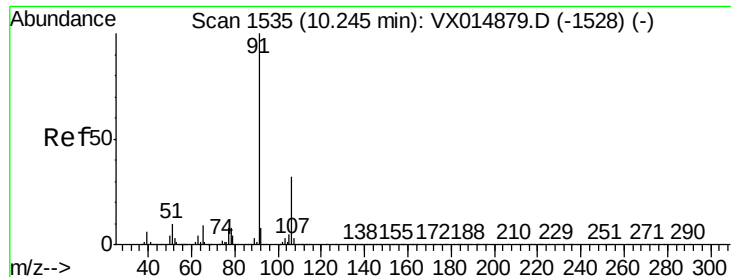
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.306 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.1	144.4
119	65.2	33.0	99.0





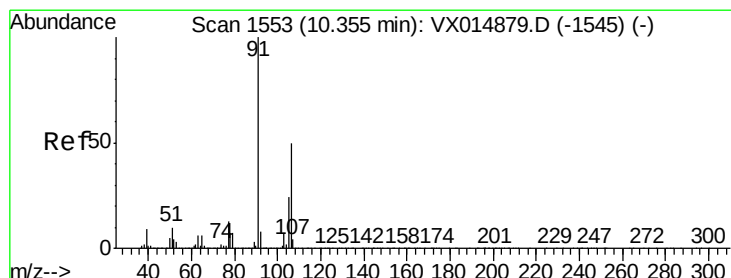
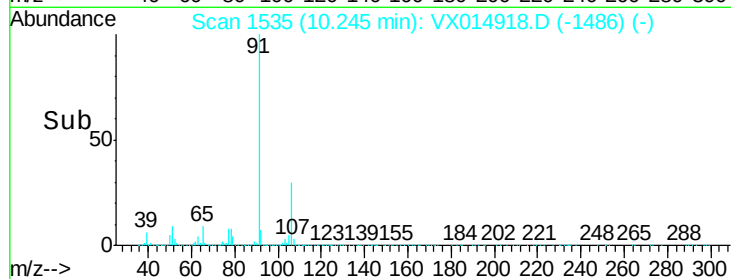
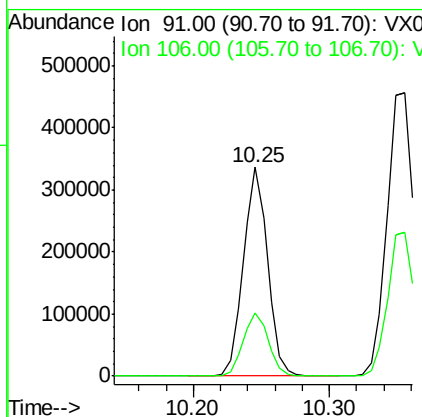
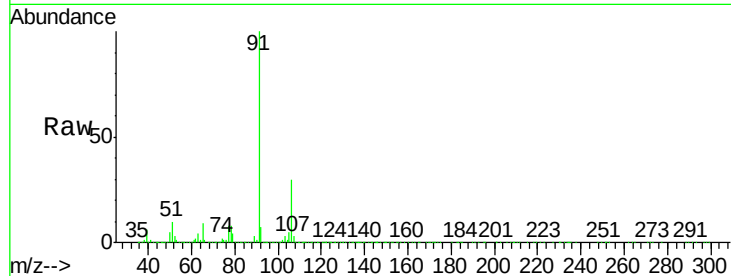
#67
Ethyl Benzene
Concen: 19.202 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.3	37.9

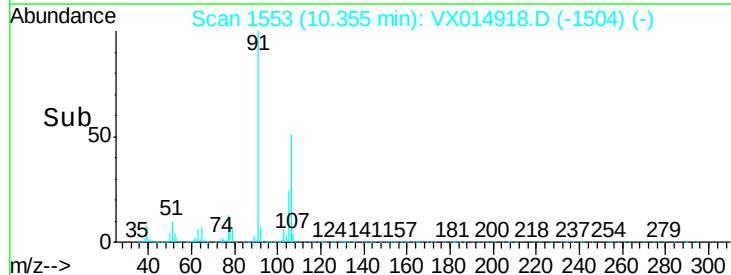
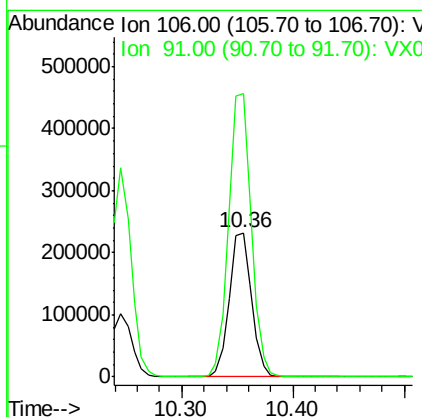
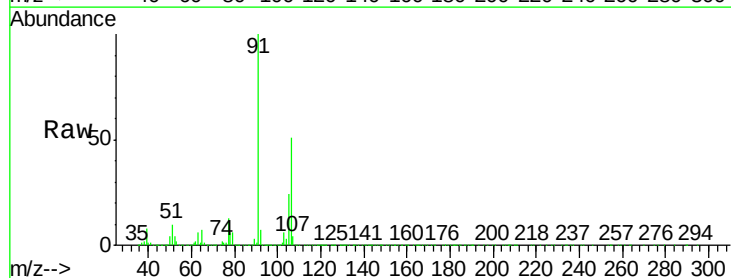
Manual Integrations
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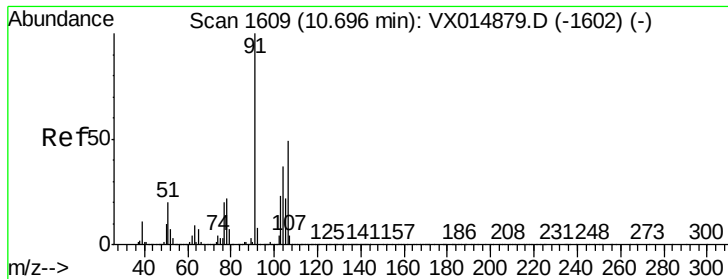
MMDadoda
2/13/2020 11:15:53 AM



#68
m/p-Xylenes
Concen: 38.435 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.7	160.6	240.8





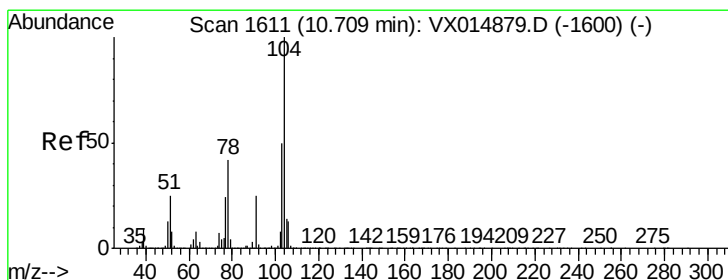
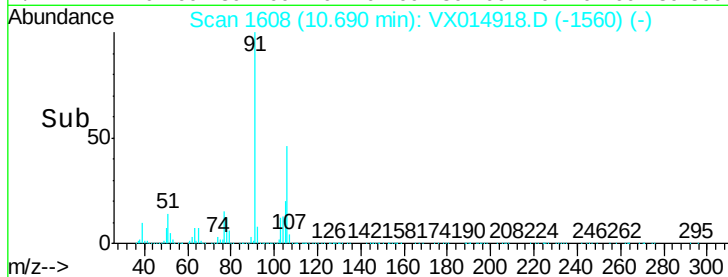
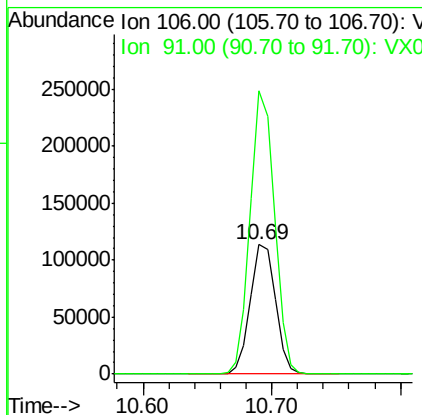
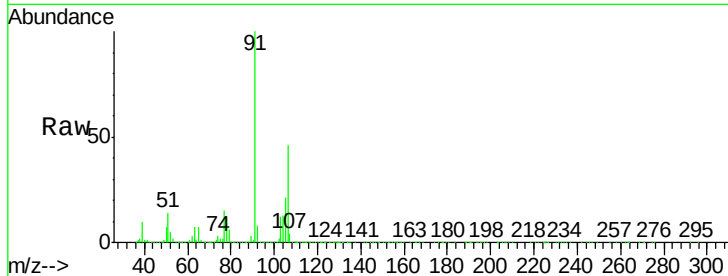
#69
o-Xylene
Concen: 19.013 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampled :
VX0212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100			
91	211.5	152888	105.1	315.3

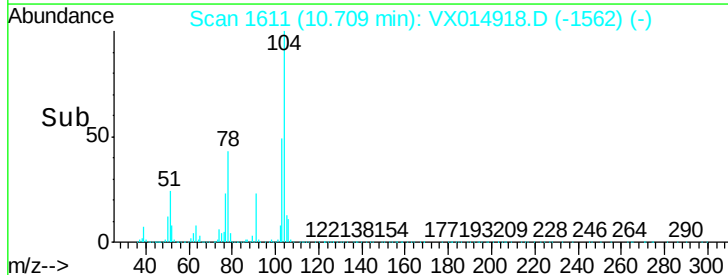
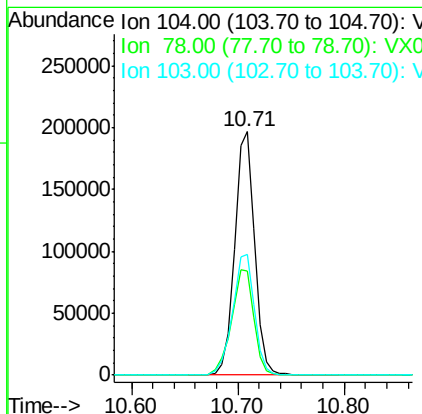
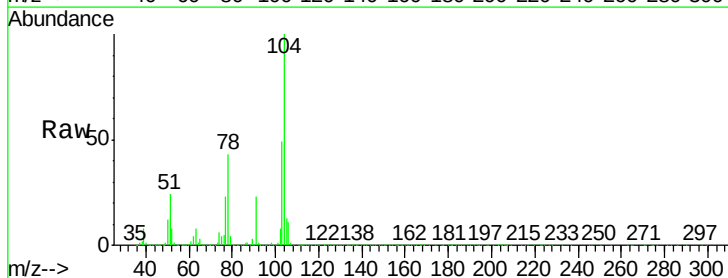
Manual Integrations
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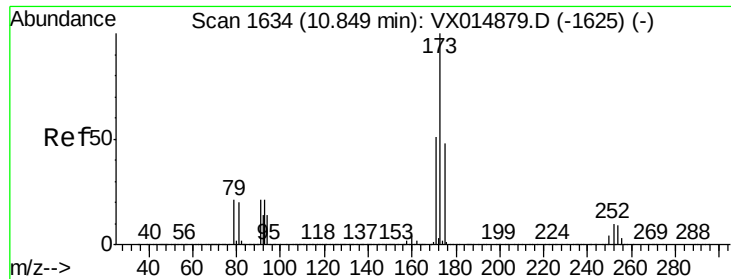
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#70
Styrene
Concen: 18.972 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	258100		
78	48.9		39.0	58.4
103	54.5		43.4	65.0





#71

Bromoform

Concen: 18.107 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion:173 Resp: 70062

Ion Ratio Lower Upper

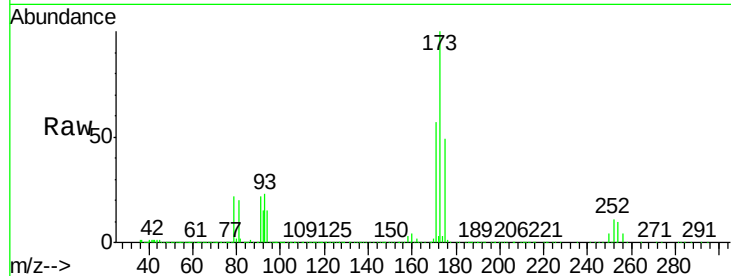
173 100

175 49.2 24.2 72.6

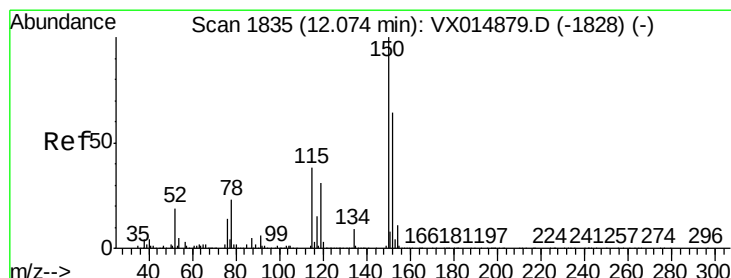
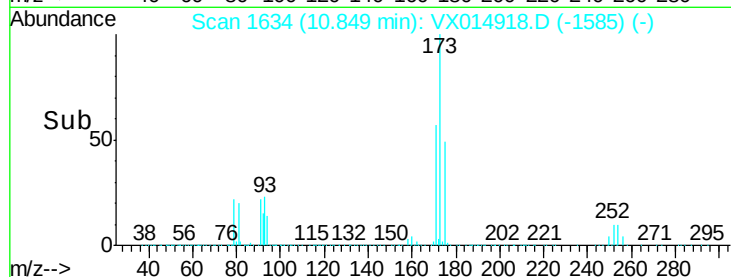
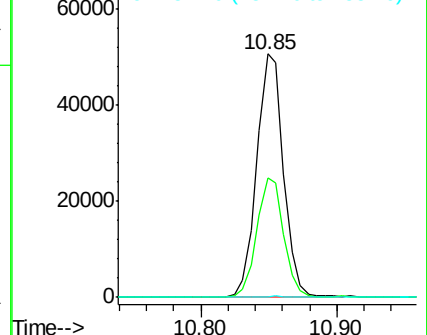
254 0.2 0.2 0.2

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

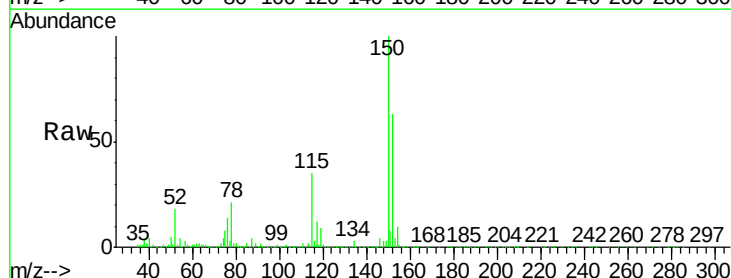
Tgt Ion:152 Resp: 325504

Ion Ratio Lower Upper

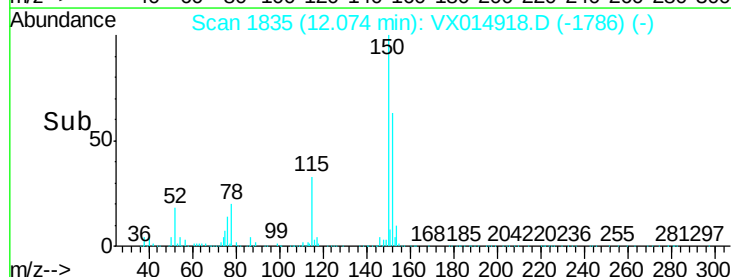
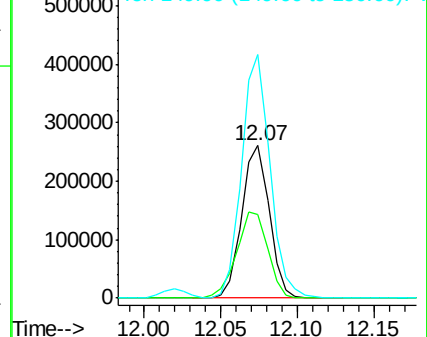
152 100

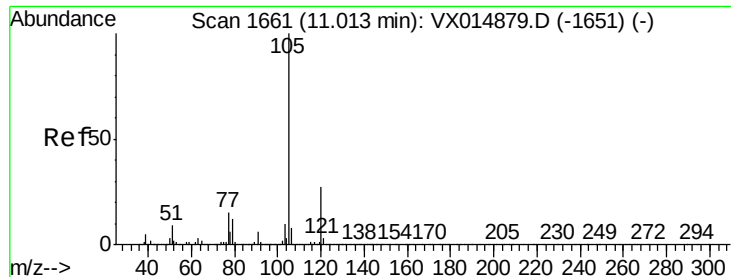
115 63.7 38.6 116.0

150 164.3 0.0 349.0



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: 20.407 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion:105 Resp: 416554

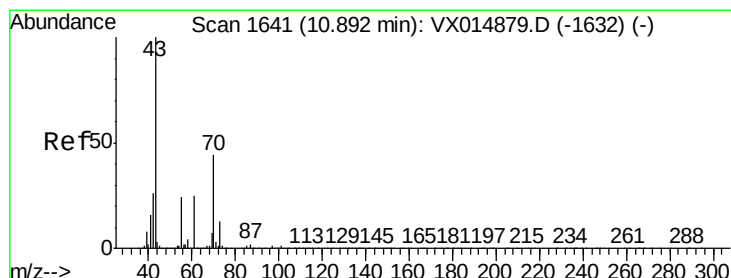
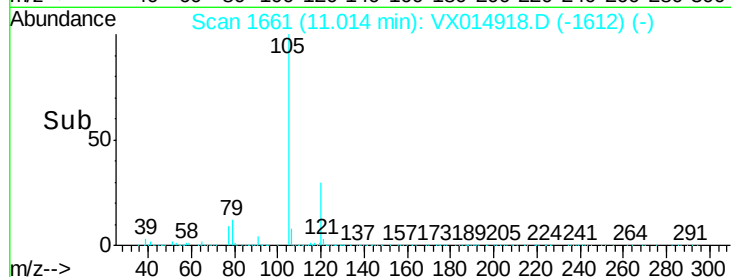
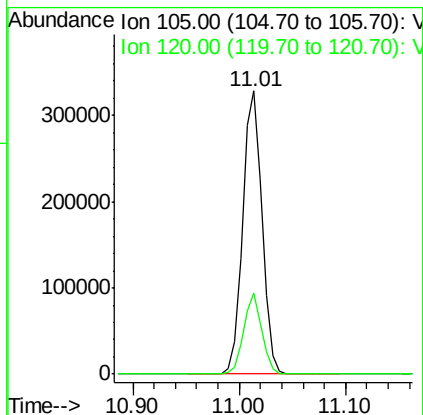
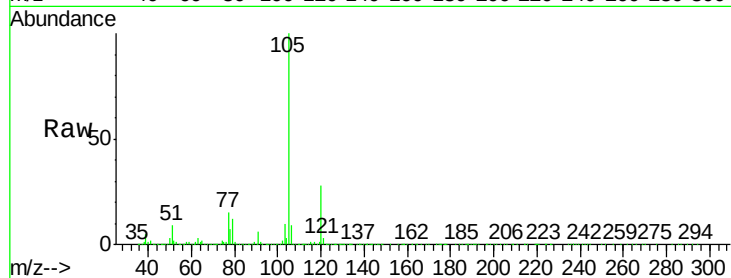
Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.8

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#74

N-ethyl acetate

Concen: 19.874 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Tgt Ion: 43 Resp: 168566

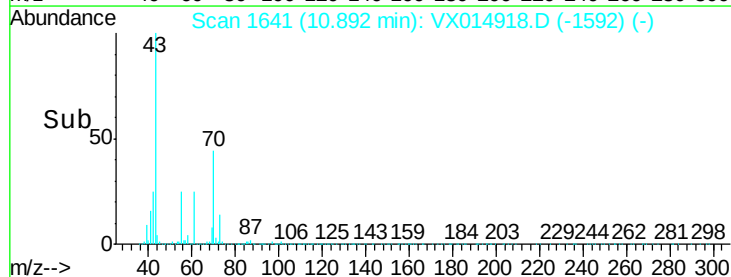
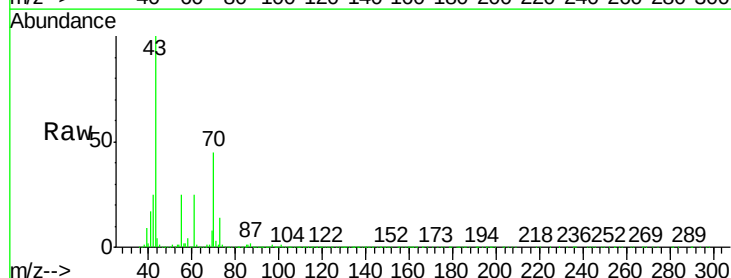
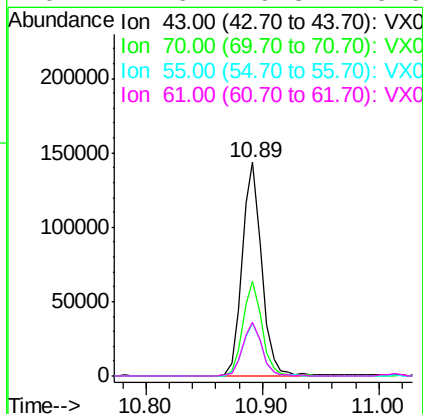
Ion Ratio Lower Upper

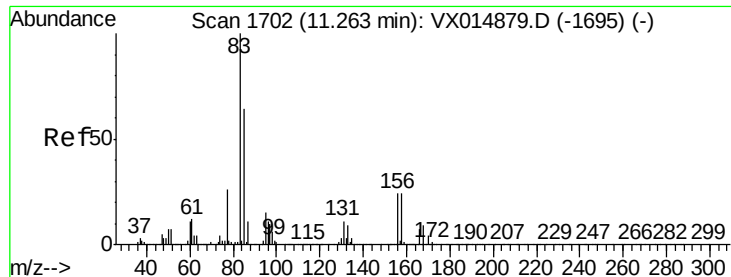
43 100

70 43.3 35.0 52.4

55 24.3 19.4 29.2

61 24.6 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.488 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

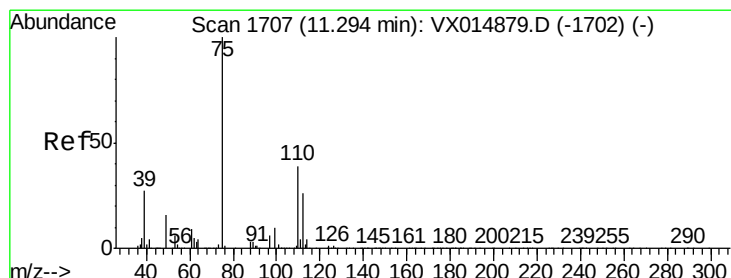
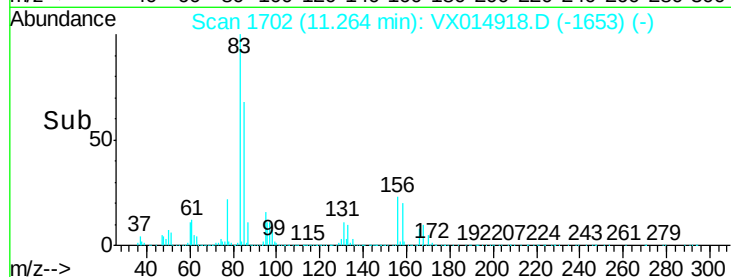
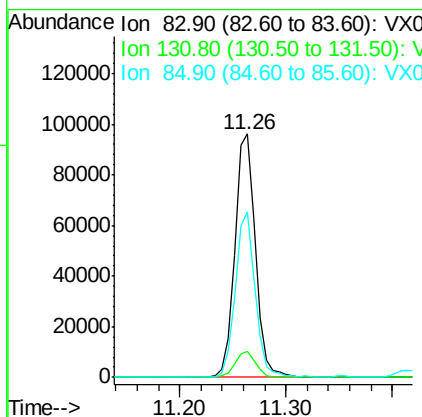
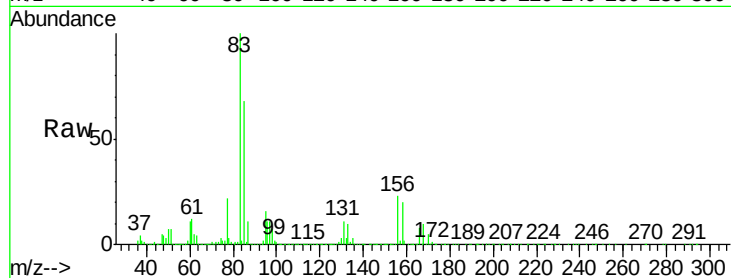
ClientSampleId :

VX0212WBS01

Tot Ion:	83	Resp:	130035
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	65.3	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 19.065 ug/l m

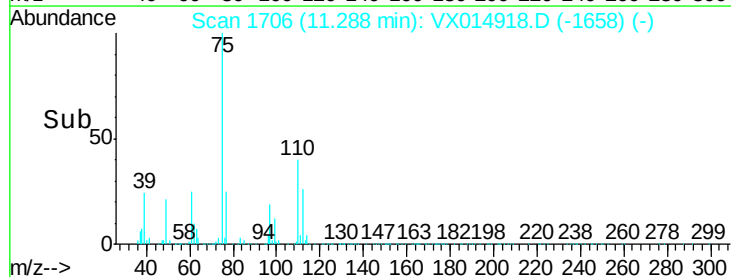
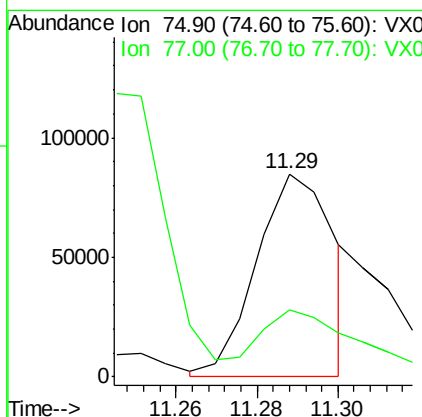
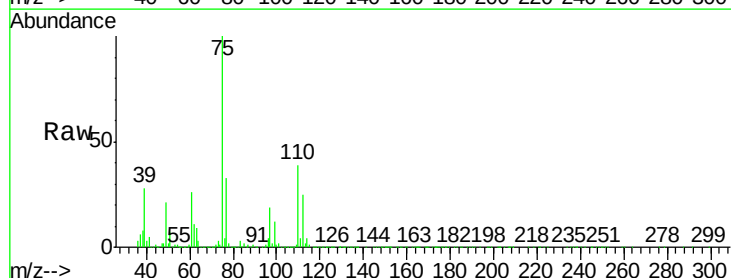
RT: 11.29 min Scan# 1706

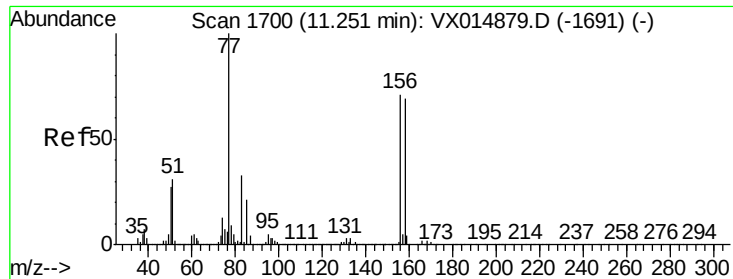
Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Tgt Ion:	75	Resp:	112219
Ion Ratio	Lower	Upper	
75	100		
77	43.0	18.4	55.0





#77

Bromobenzene

Concen: 19.433 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

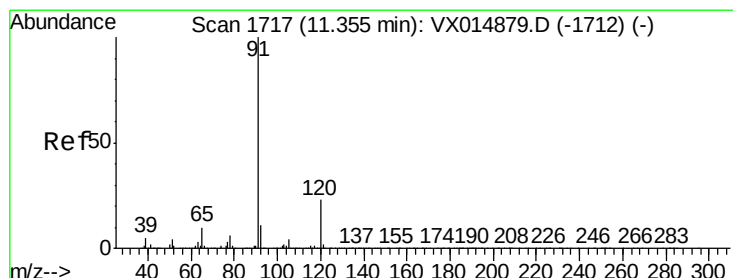
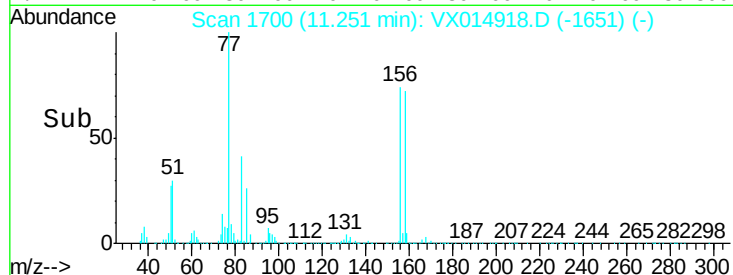
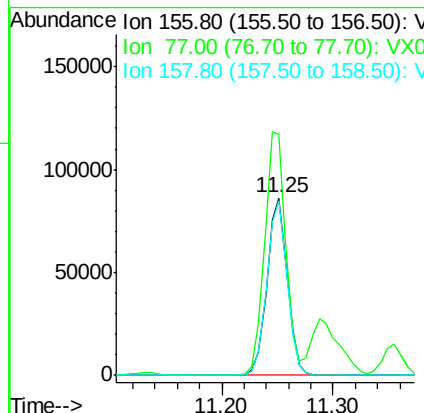
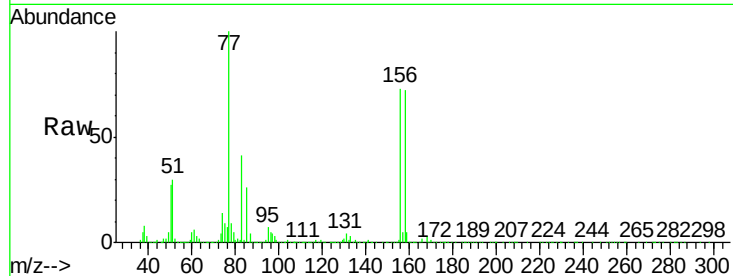
ClientSampleId :

VX0212WBS01

Tot Ion:	156	Resp:	110718
Ion Ratio	Lower	Upper	
156	100		
77	143.4	74.0	222.0
158	98.5	48.9	146.6

Manual Integrations
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2/13/2020 11:15:53 AM



#78

n-propylbenzene

Concen: 19.908 ug/l

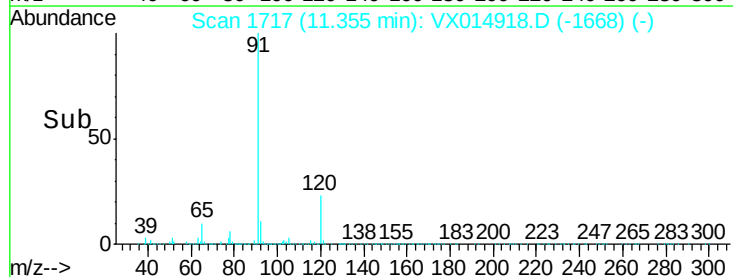
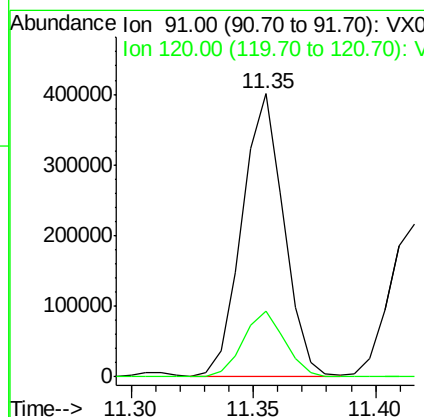
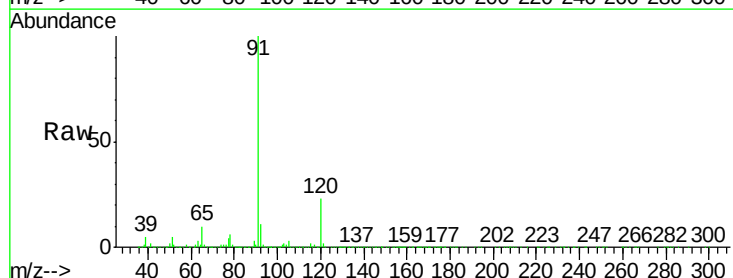
RT: 11.35 min Scan# 1717

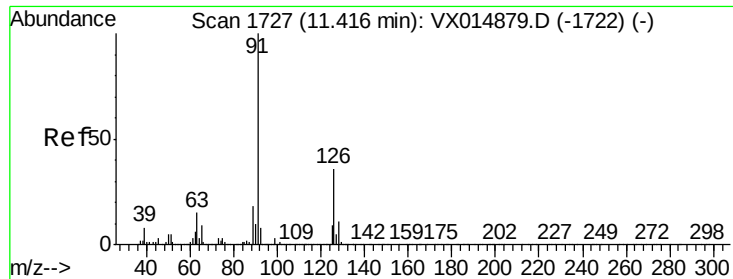
Delta R.T. 0.00 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Tgt Ion:	91	Resp:	470003
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.8	35.4





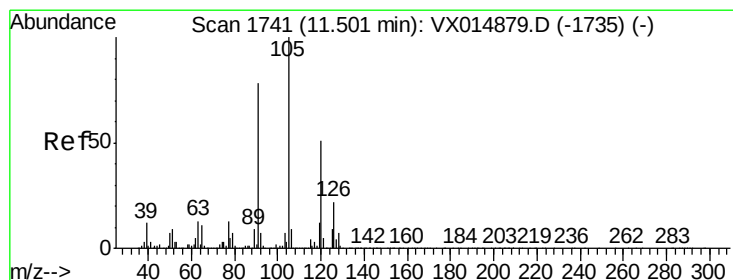
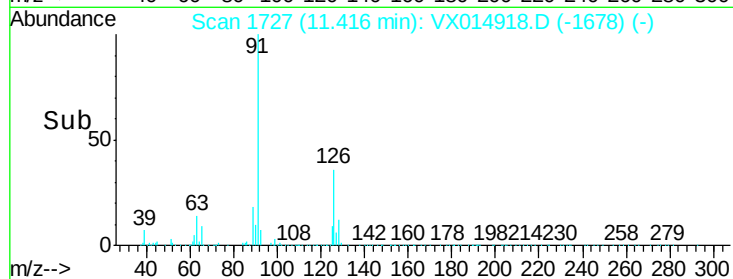
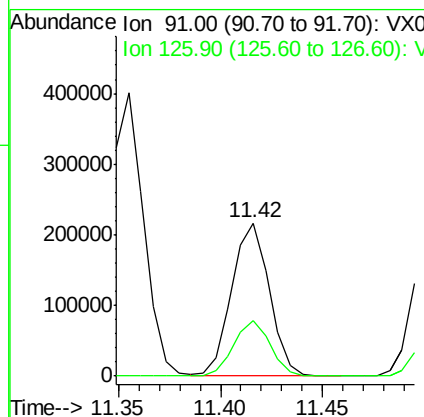
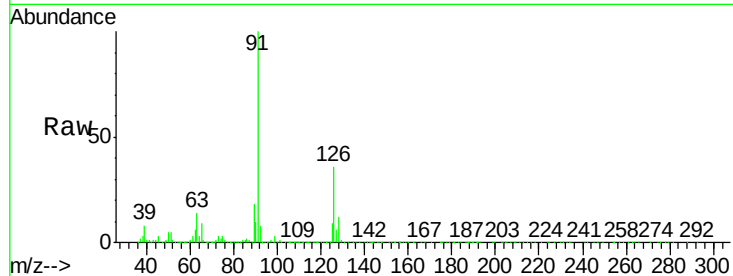
#79
 2-Chlorotoluene
 Concen: 19.754 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX014918.D
 Acq: 12 Feb 2020 12:13

Instrument :
 MSVOA_X
 ClientSampled :
 VX0212WBS01

Tot Ion: 91 Resp: 274177
 Ion Ratio Lower Upper
 91 100
 126 35.4 18.0 54.0

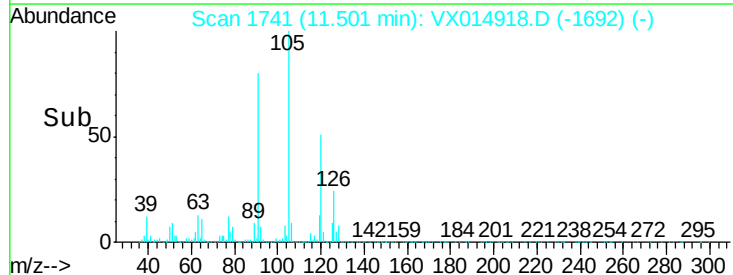
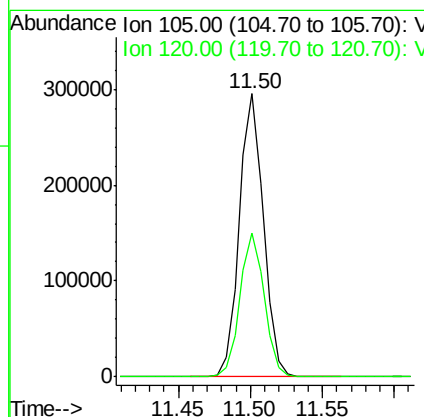
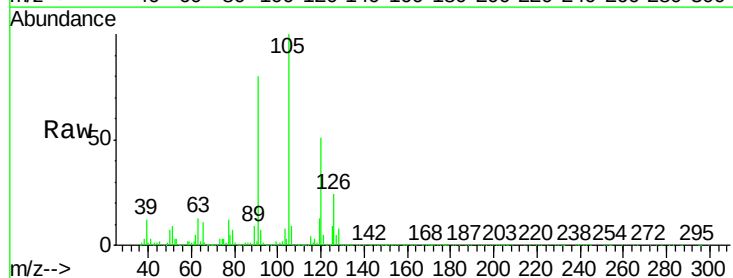
Manual Integrations
 APPROVED

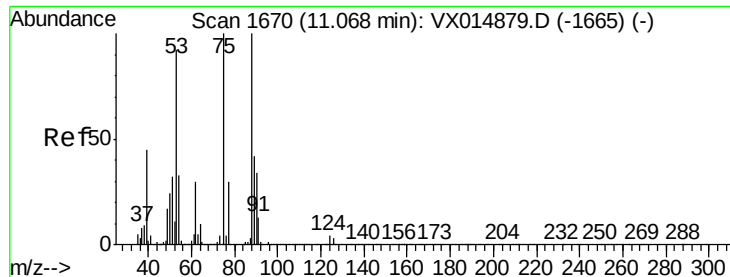
MMDadoda
 2/13/2020 11:15:53 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.180 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014918.D
 Acq: 12 Feb 2020 12:13

Tgt Ion: 105 Resp: 344195
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.6 76.6





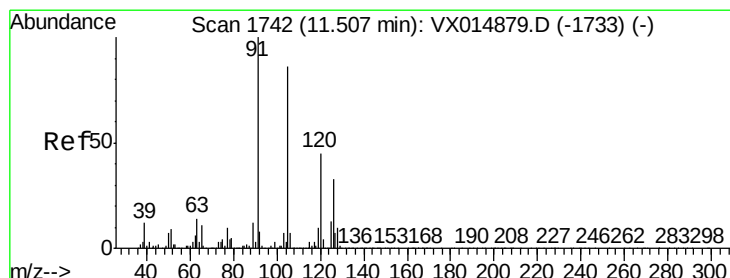
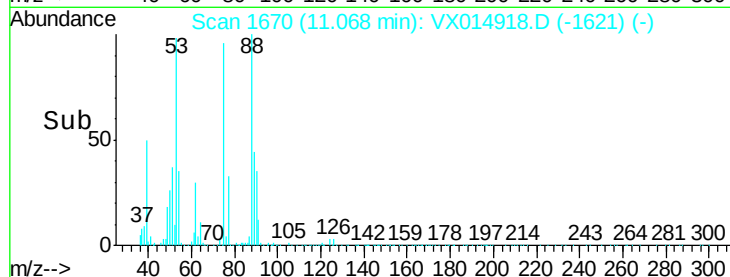
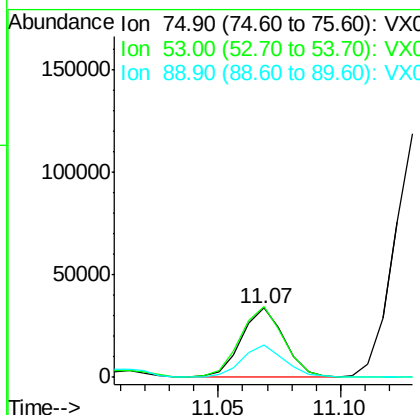
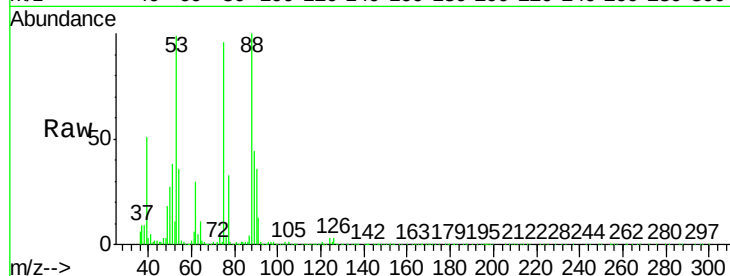
#81
trans-1,4-Dichloro-2-butene
Concen: 17.692 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.2	76.2	114.2
89	46.1	35.8	53.6

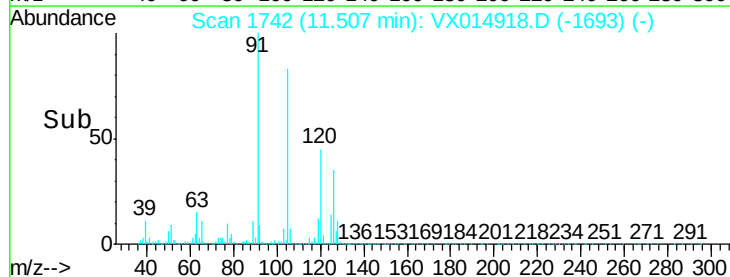
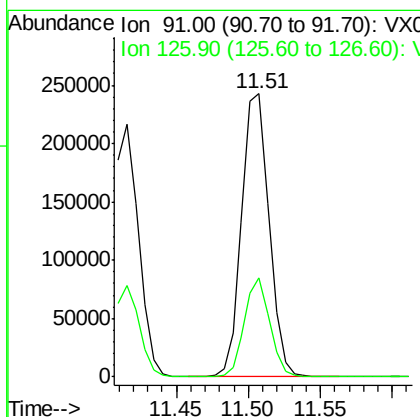
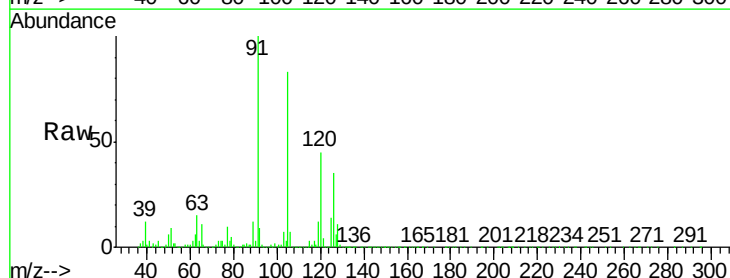
Manual Integrations
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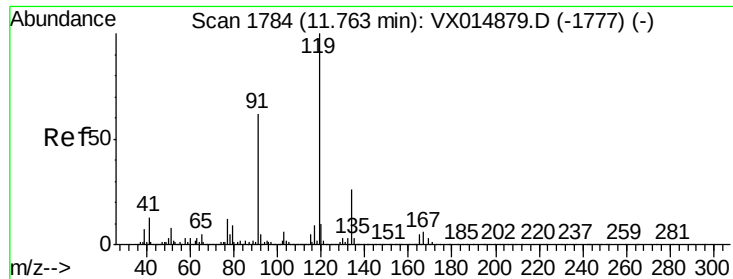
MMDadoda
2/13/2020 11:15:53 AM



#82
4-Chlorotoluene
Concen: 19.471 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.0





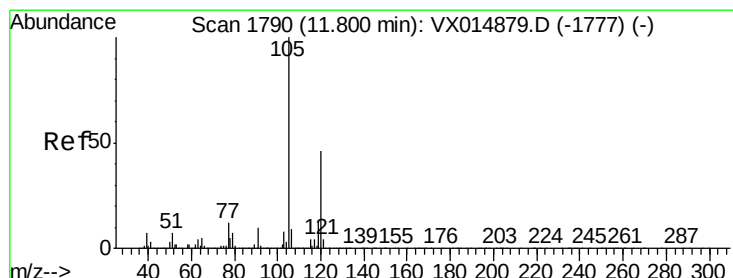
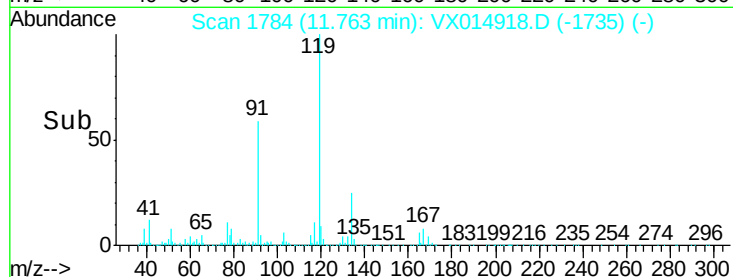
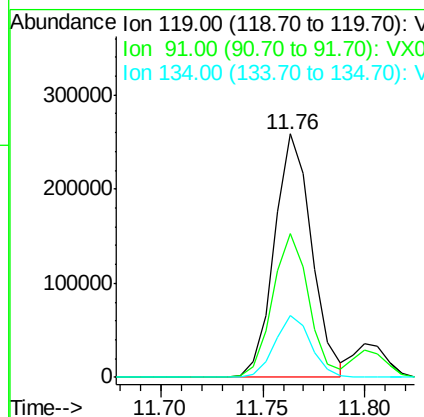
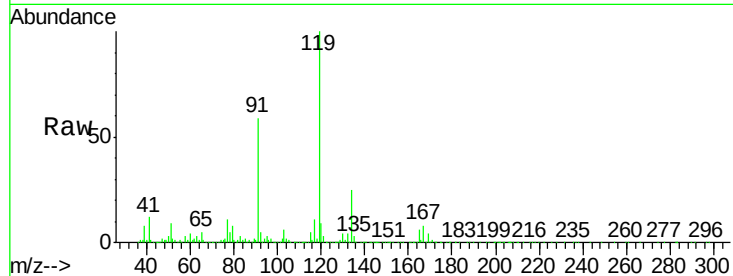
#83
tert-Butylbenzene
Concen: 20.454 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	29.5	88.6
134	24.5	12.6	37.6

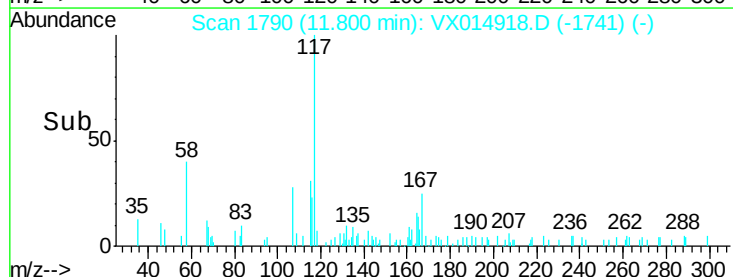
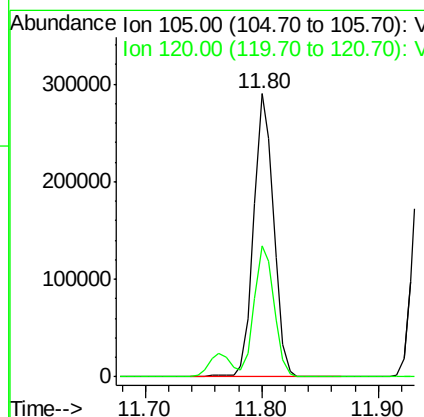
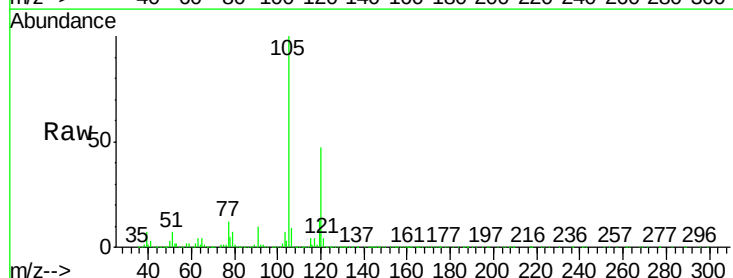
Manual Integrations
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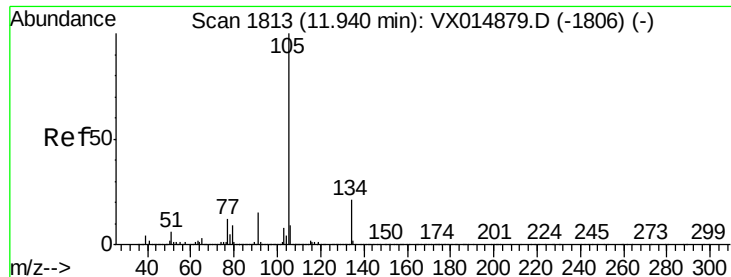
MMDadoda
2/13/2020 11:15:53 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.242 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.092 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

Instrument :

MSVOA_X

ClientSampleId :

VX0212WBS01

Tot Ion:105 Resp: 403143

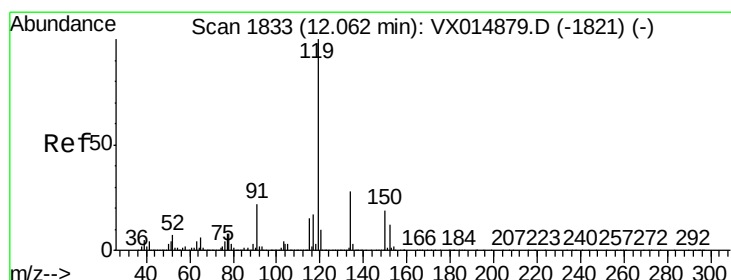
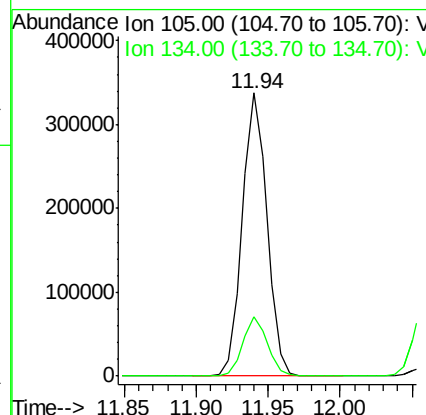
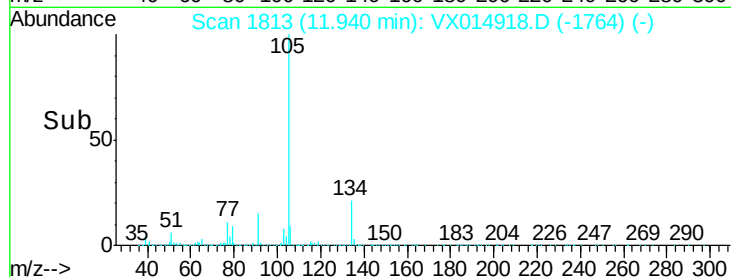
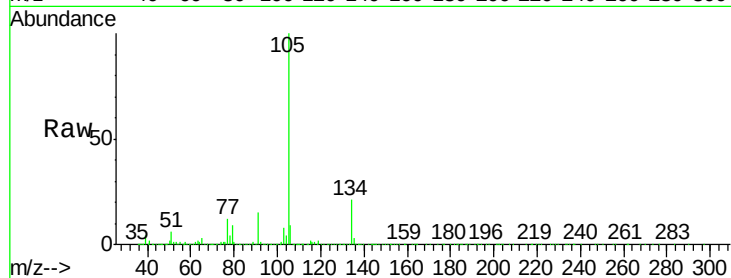
Ion Ratio Lower Upper

105 100

134 20.8 10.6 31.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.693 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014918.D

Acq: 12 Feb 2020 12:13

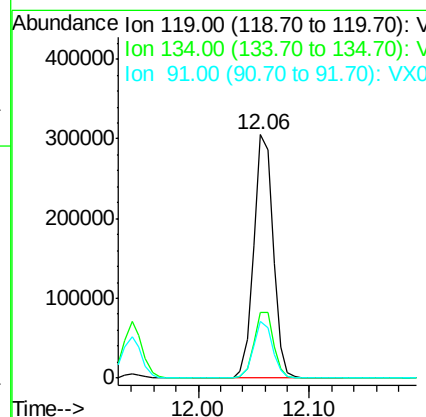
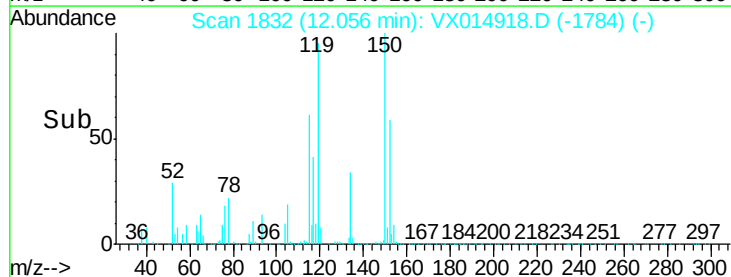
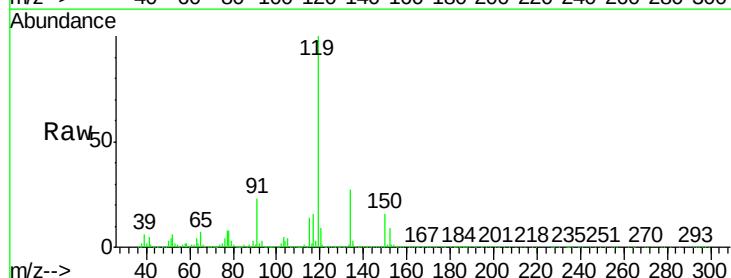
Tgt Ion:119 Resp: 369749

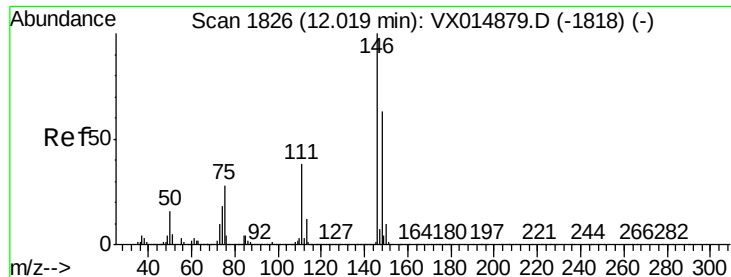
Ion Ratio Lower Upper

119 100

134 27.4 13.5 40.5

91 22.8 11.4 34.1





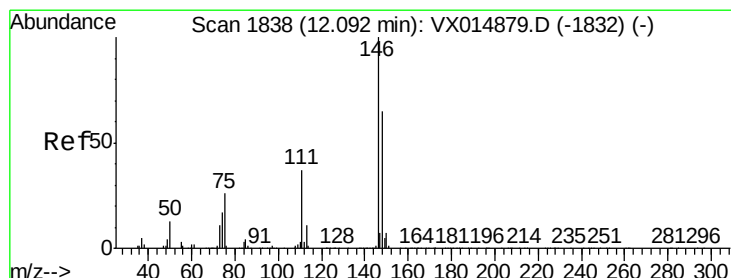
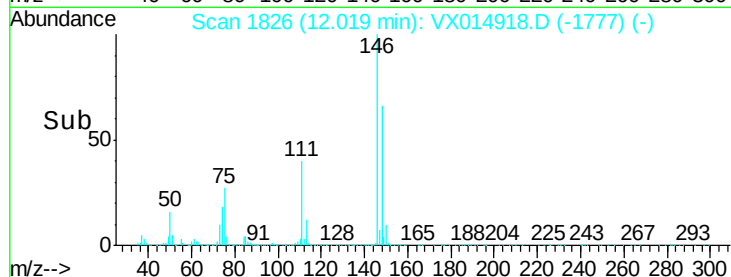
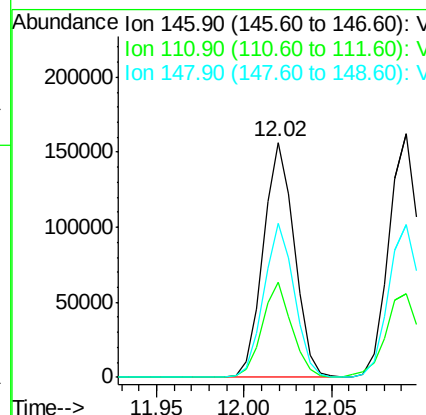
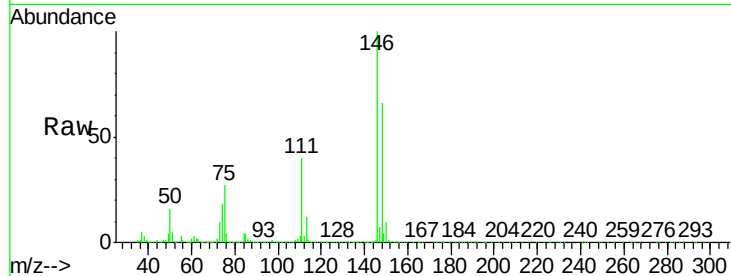
#87
 1,3-Dichlorobenzene
 Concen: 18.887 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014918.D
 Acq: 12 Feb 2020 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	56.0
148	64.2	31.8	95.4

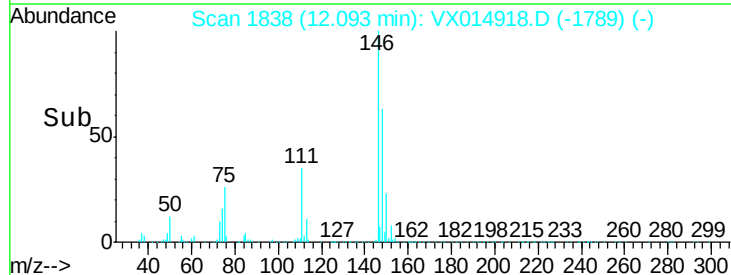
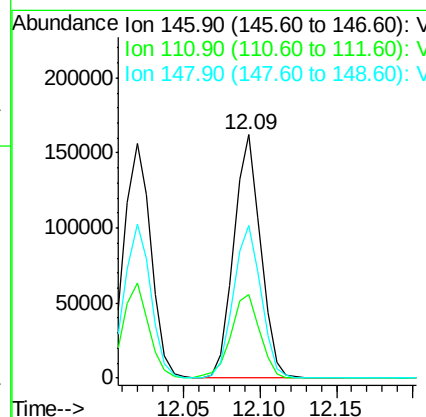
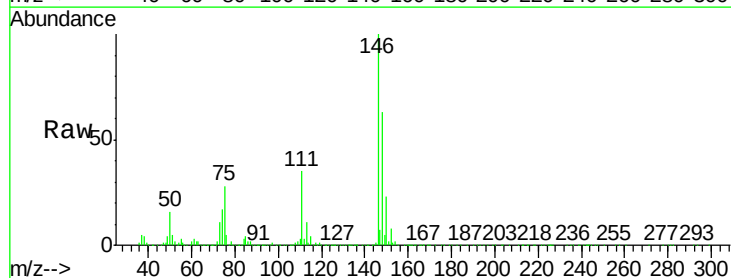
Manual Integrations
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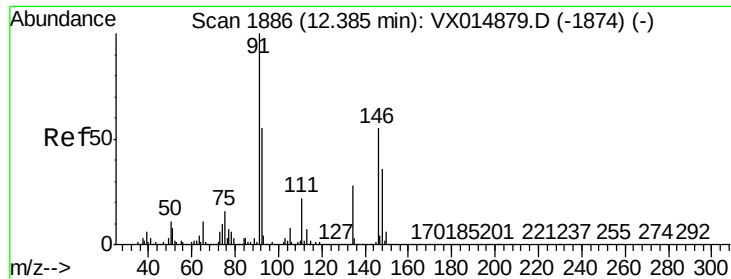
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#88
 1,4-Dichlorobenzene
 Concen: 18.834 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014918.D
 Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.6
148	64.5	32.4	97.0





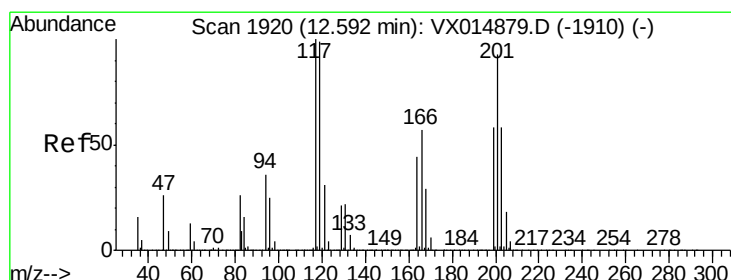
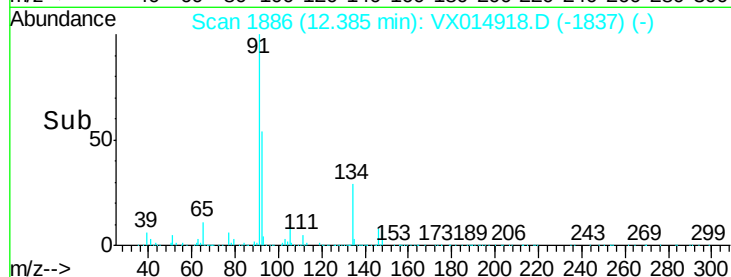
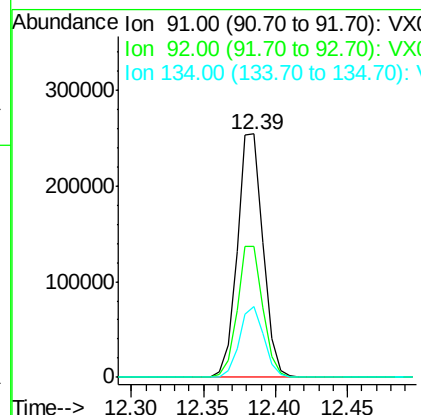
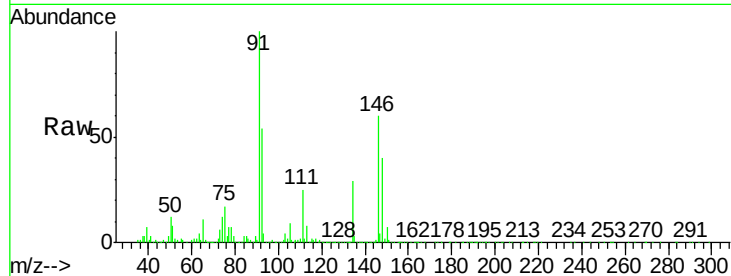
#89
n-Butylbenzene
Concen: 18.960 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampleId :
VX0212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	27.3	81.8	
134	27.5	13.8	41.4	

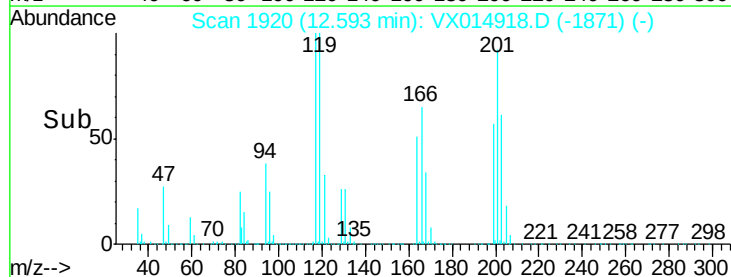
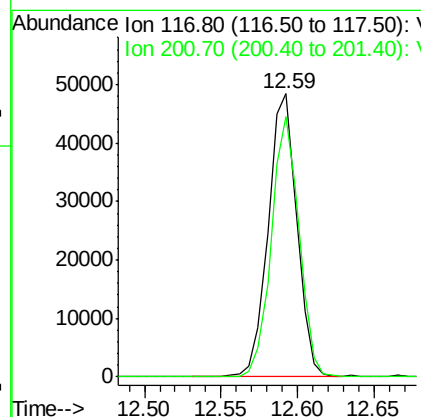
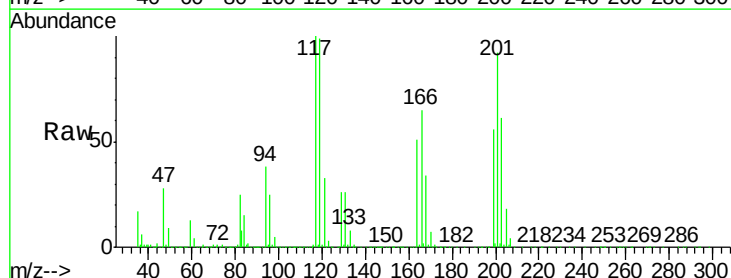
Manual Integrations
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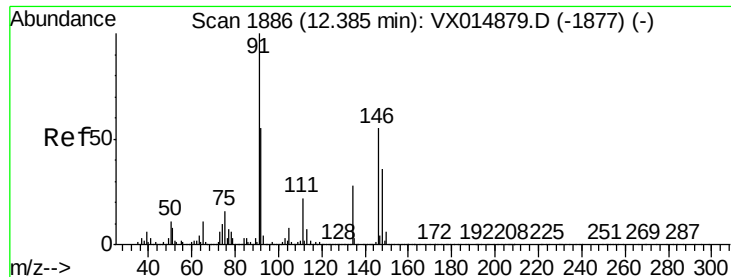
MMDadoda
2/13/2020 11:15:53 AM



#90
Hexachloroethane
Concen: 19.331 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	88.9	44.8	134.3	





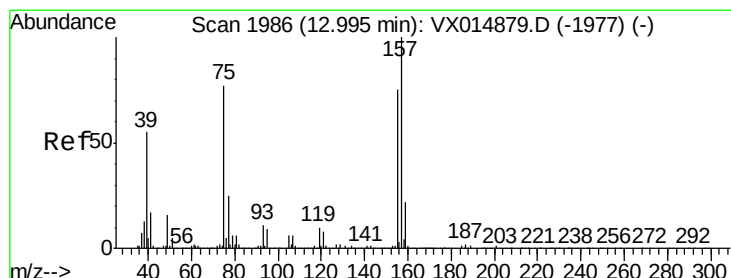
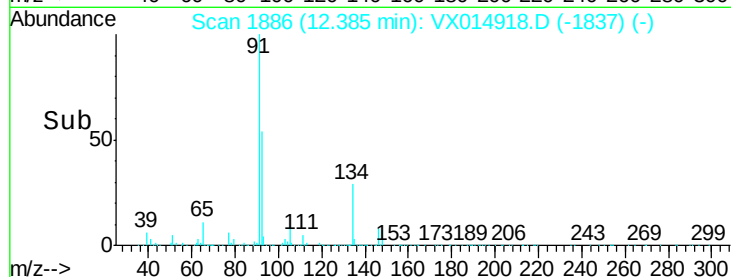
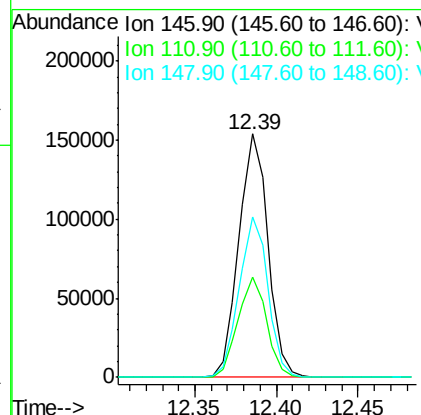
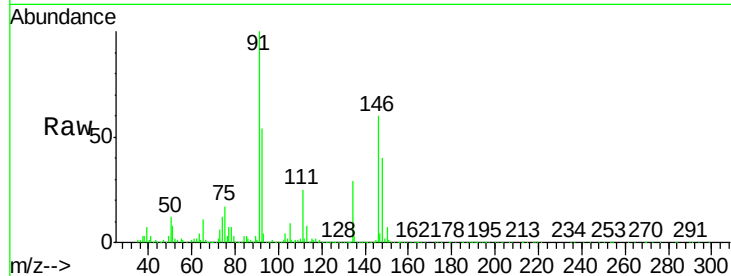
#91
 1,2-Dichlorobenzene
 Concen: 19.065 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014918.D
 Acq: 12 Feb 2020 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	191096		
111	40.8	19.8	59.3	
148	65.3	32.4	97.2	

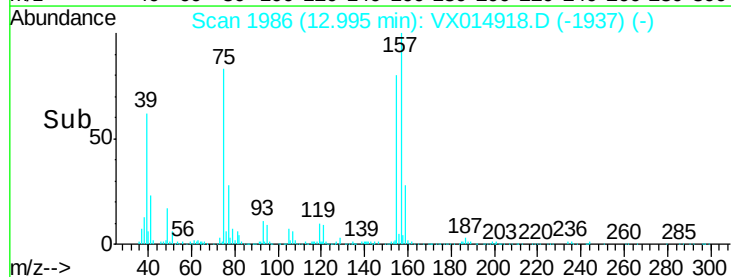
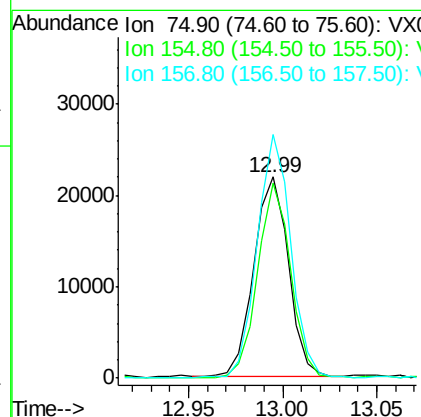
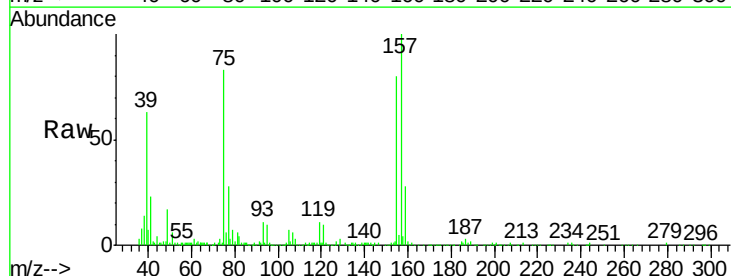
Manual Integrations
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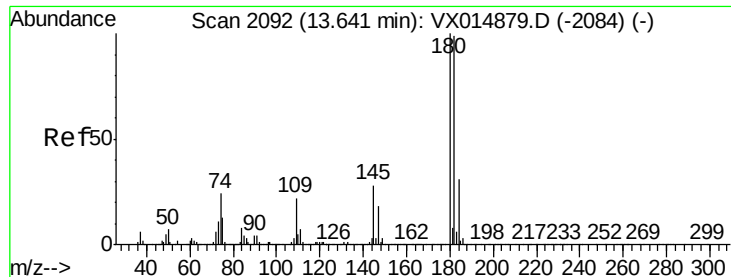
MMDadoda
 2/13/2020 11:15:53 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.905 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014918.D
 Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28030		
155	93.2	48.6	145.9	
157	118.5	62.0	186.0	





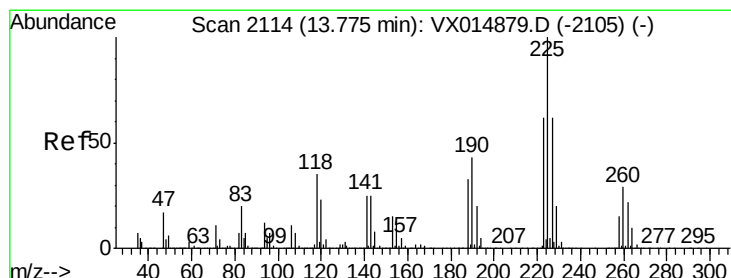
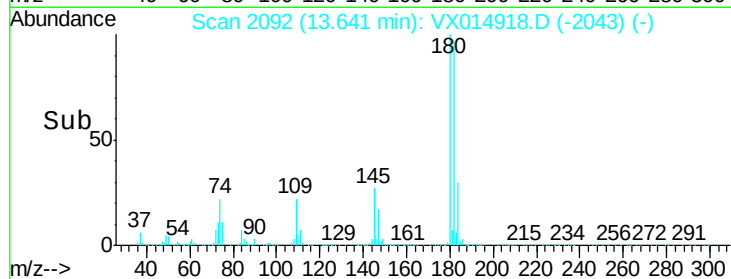
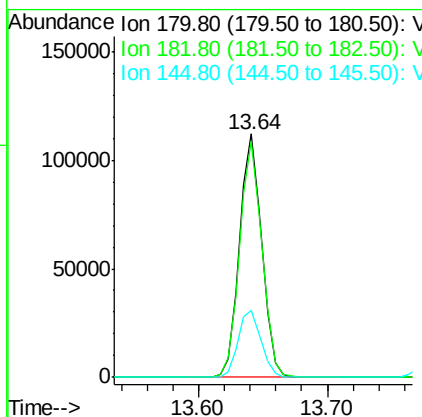
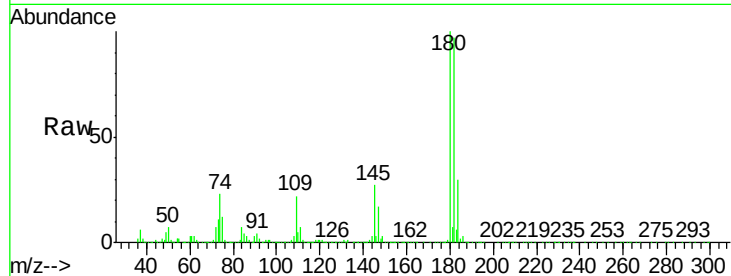
#93
 1,2,4-Trichlorobenzene
 Concen: 18.085 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014918.D
 Acq: 12 Feb 2020 12:13

Instrument :
 MSVOA_X
 ClientSampled :
 VX0212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	133798		
182	97.3	48.4	145.3	
145	28.6	14.1	42.4	

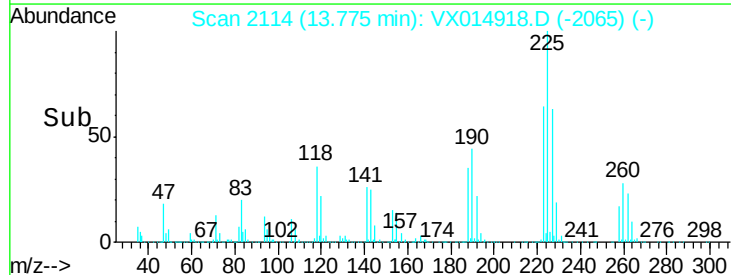
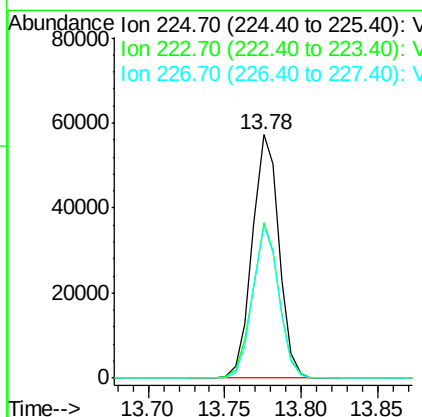
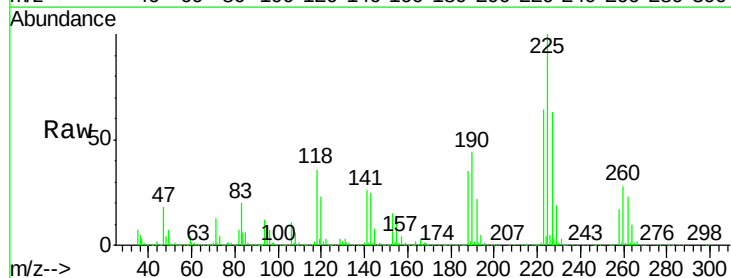
Manual Integrations
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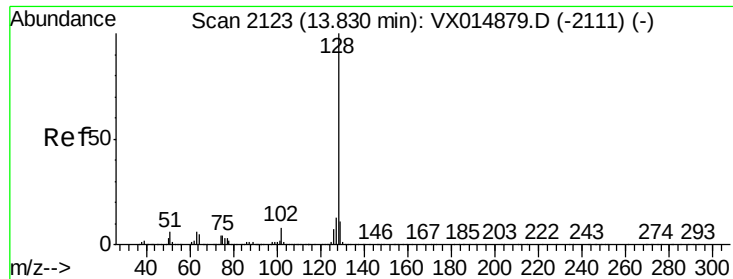
MMDadoda
 2/13/2020 11:15:53 AM



#94
 Hexachlorobutadiene
 Concen: 19.429 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014918.D
 Acq: 12 Feb 2020 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69527		
223	63.2	31.1	93.2	
227	61.4	30.9	92.5	





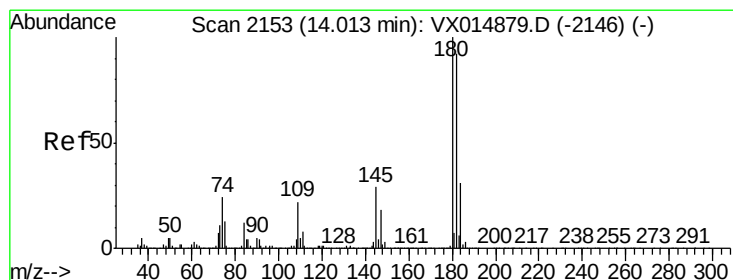
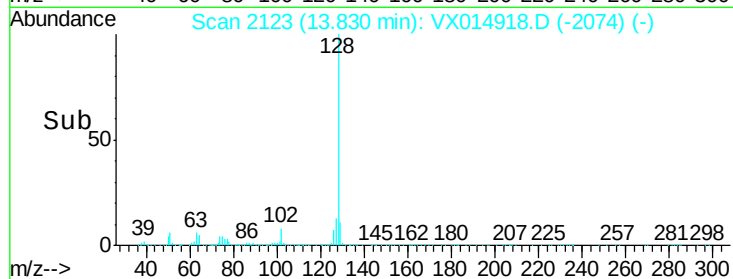
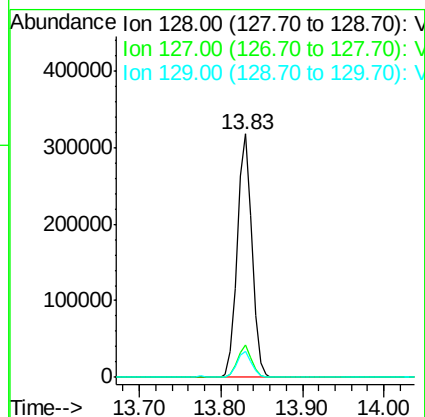
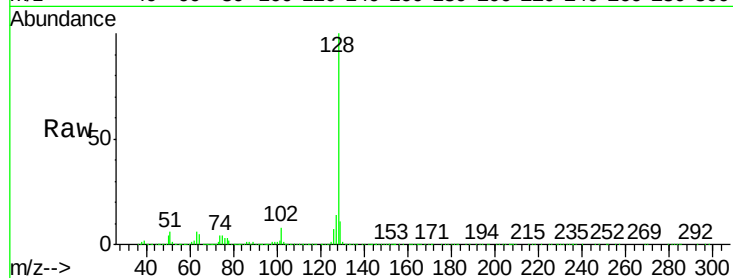
#95
Naphthalene
Concen: 19.651 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Instrument :
MSVOA_X
ClientSampled :
VX0212WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		386551		
127	12.9		10.4	15.6	
129	10.7		8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
2/13/2020 11:15:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.995 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014918.D
Acq: 12 Feb 2020 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		135771		
182	96.3		47.5	142.6	
145	29.8		14.5	43.5	

