

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020520\
 Data File : VX014829.D
 Acq On : 05 Feb 2020 17:50
 Operator : JC/SP
 Sample : VX0205WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0205WBSD02

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 1:34:16 PM

Quant Time: Feb 06 04:23:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	408191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	616857	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	562226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	283033	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	229090	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
35) Dibromofluoromethane	5.49	113	188899	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	8.71	98	712202	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	11.13	95	251564	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	93564	17.427	ug/l	98
3) Chloromethane	1.32	50	94747	17.158	ug/l	99
4) Vinyl Chloride	1.40	62	108456	18.165	ug/l	98
5) Bromomethane	1.64	94	66201	16.324	ug/l	99
6) Chloroethane	1.72	64	65663	18.346	ug/l	97
7) Trichlorofluoromethane	1.92	101	129811	18.672	ug/l	99
8) Diethyl Ether	2.18	74	58371	19.236	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	74785	18.324	ug/l	98
10) Methyl Iodide	2.50	142	98143	18.327	ug/l	99
11) Tert butyl alcohol	3.03	59	93595	87.457	ug/l	99
12) 1,1-Dichloroethene	2.37	96	73526	18.120	ug/l	100
13) Acrolein	2.28	56	69642	82.533	ug/l	96
14) Allyl chloride	2.72	41	136149	18.667	ug/l	98
15) Acrylonitrile	3.13	53	228953	92.464	ug/l	99
16) Acetone	2.43	43	242342	92.858	ug/l	99
17) Carbon Disulfide	2.56	76	176384	15.904	ug/l	99
18) Methyl Acetate	2.76	43	145357	19.492	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	264242	19.881	ug/l	99
20) Methylene Chloride	2.85	84	88109	18.226	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	81416	18.223	ug/l	96
22) Diisopropyl ether	3.84	45	280787	19.350	ug/l	97
23) Vinyl Acetate	3.80	43	1046943	94.647	ug/l	100
24) 1,1-Dichloroethane	3.69	63	150283	19.070	ug/l	99
25) 2-Butanone	4.65	43	334469	89.358	ug/l	99
26) 2,2-Dichloropropane	4.58	77	119383	18.926	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	94904	18.979	ug/l	99
28) Bromochloromethane	5.00	49	56890	16.428	ug/l	96
29) Tetrahydrofuran	5.12	42	199957	90.008	ug/l	98
30) Chloroform	5.20	83	150940	19.335	ug/l	98
31) Cyclohexane	5.57	56	129430	17.462	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	127409	19.308	ug/l	98
36) 1,1-Dichloropropene	5.79	75	107798	18.807	ug/l	98
37) Ethyl Acetate	4.82	43	122641	18.681	ug/l	99
38) Carbon Tetrachloride	5.78	117	106994	19.545	ug/l	95

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	128794	17.936	ug/l	97
40) Benzene	6.14	78	336680	19.011	ug/l	98
41) Methacrylonitrile	5.03	41	70914	18.775	ug/l	98
42) 1,2-Dichloroethane	6.18	62	124773	20.402	ug/l	99
43) Isopropyl Acetate	6.43	43	202500	18.837	ug/l	99
44) Trichloroethene	7.21	130	94085	18.808	ug/l	97
45) 1,2-Dichloropropane	7.51	63	88346	19.363	ug/l	99
46) Dibromomethane	7.65	93	59511	20.139	ug/l	97
47) Bromodichloromethane	7.89	83	115574	19.942	ug/l	98
48) Methyl methacrylate	7.76	41	97740	19.029	ug/l	96
49) 1,4-Dioxane	7.73	88	39172	359.772	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	641000	94.473	ug/l	100
52) Toluene	8.78	92	212008	19.474	ug/l	95
53) t-1,3-Dichloropropene	9.03	75	124129	19.891	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	137283	19.997	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	89718	20.129	ug/l	98
56) Ethyl methacrylate	9.17	69	134251	18.917	ug/l	99
57) 1,3-Dichloropropane	9.37	76	153085	20.091	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	214072	95.501	ug/l	100
59) 2-Hexanone	9.48	43	484655	92.051	ug/l	99
60) Dibromochloromethane	9.57	129	92553	19.894	ug/l	100
61) 1,2-Dibromoethane	9.67	107	93054	19.746	ug/l	99
64) Tetrachloroethene	9.33	164	107193	19.261	ug/l	98
65) Chlorobenzene	10.14	112	233977	19.456	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	88100	19.869	ug/l	99
67) Ethyl Benzene	10.25	91	399430	19.452	ug/l	99
68) m/p-Xylenes	10.35	106	304158	39.099	ug/l	98
69) o-Xylene	10.70	106	147835	19.685	ug/l	99
70) Styrene	10.71	104	254068	20.168	ug/l	100
71) Bromoform	10.85	173	69362	19.671	ug/l #	97
73) Isopropylbenzene	11.01	105	397450	19.971	ug/l	100
74) N-amyl acetate	10.89	43	171278	19.640	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	132079	18.588	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	110680m	16.808	ug/l	
77) Bromobenzene	11.25	156	106864	19.988	ug/l	98
78) n-propylbenzene	11.35	91	446759	19.777	ug/l	100
79) 2-Chlorotoluene	11.42	91	264363	19.342	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	333202	20.173	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	40509	17.507	ug/l	94
82) 4-Chlorotoluene	11.51	91	309618	19.898	ug/l	99
83) tert-Butylbenzene	11.76	119	310638	20.014	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	332551	20.073	ug/l	99
85) sec-Butylbenzene	11.94	105	383829	20.187	ug/l	100
86) p-Isopropyltoluene	12.06	119	352293	20.049	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	187100	19.473	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	185272	19.250	ug/l	98
89) n-Butylbenzene	12.39	91	291633	19.056	ug/l	99
90) Hexachloroethane	12.59	117	60329	18.484	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	186925	19.588	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	28124	18.422	ug/l	98

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VX0205WBSD02

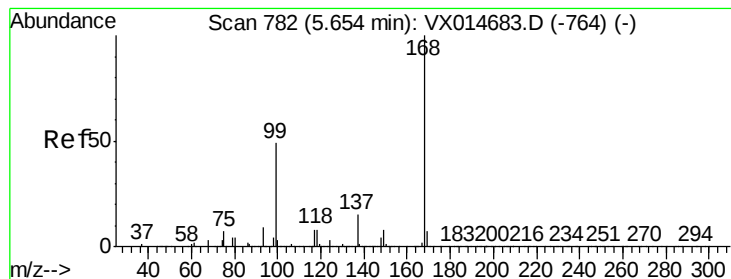
Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:34:16 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	121621	19.768	ug/l	98
94) Hexachlorobutadiene	13.77	225	61291	19.355	ug/l	96
95) Naphthalene	13.83	128	371486	19.307	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	128624	20.675	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBSD02

Tot Ion:168 Resp: 408191

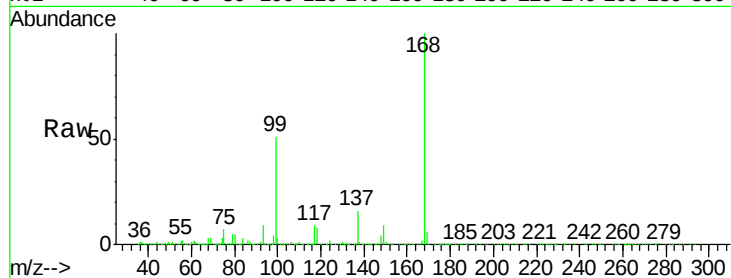
Ion Ratio Lower Upper

168 100

99 51.2 39.8 59.6

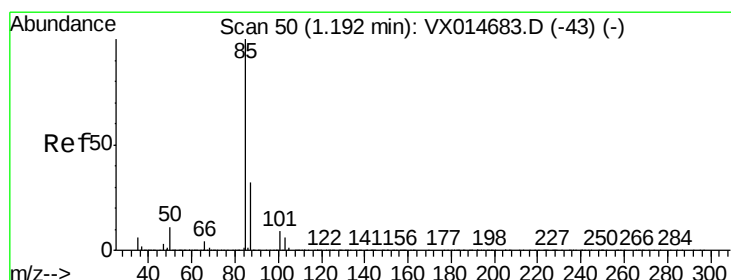
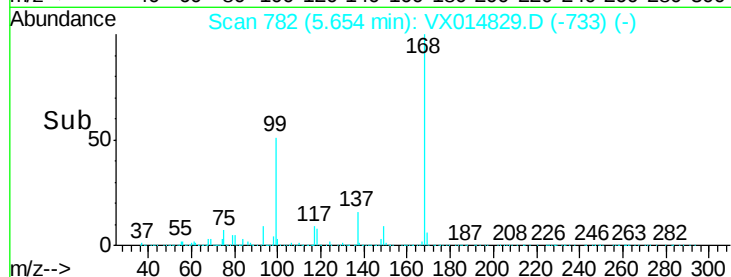
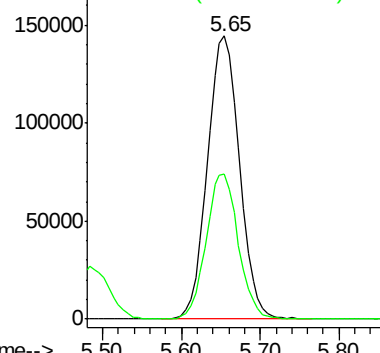
Manual Integrations
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2/6/2020 1:34:16 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.427 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014829.D

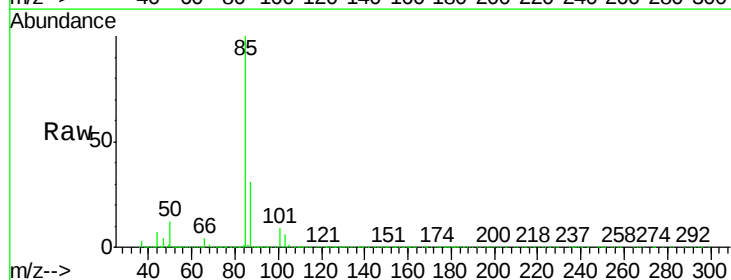
Acq: 05 Feb 2020 17:50

Tgt Ion: 85 Resp: 93564

Ion Ratio Lower Upper

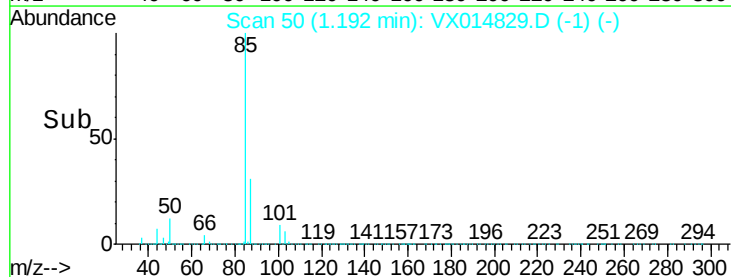
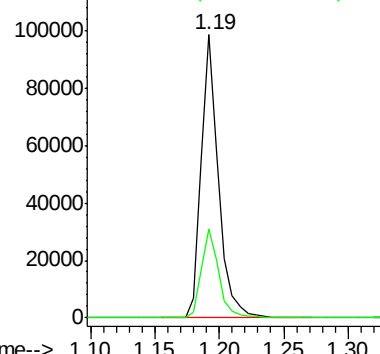
85 100

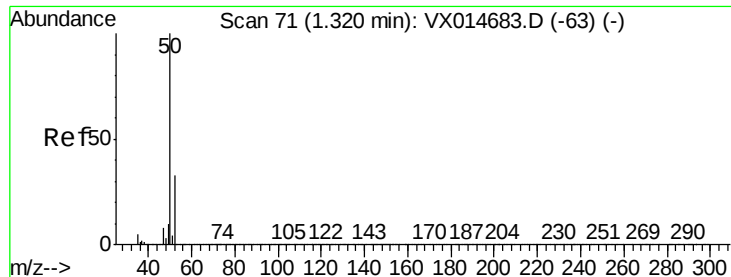
87 31.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.158 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBSD02

Tot Ion: 50 Resp: 94747

Ion Ratio Lower Upper

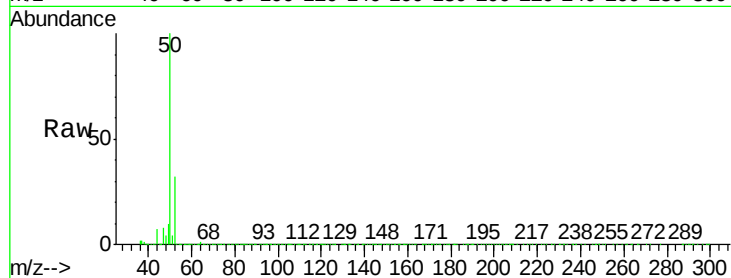
50 100

52 31.9 26.2 39.2

Manual Integrations
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2/6/2020 1:34:16 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

120000

100000

80000

60000

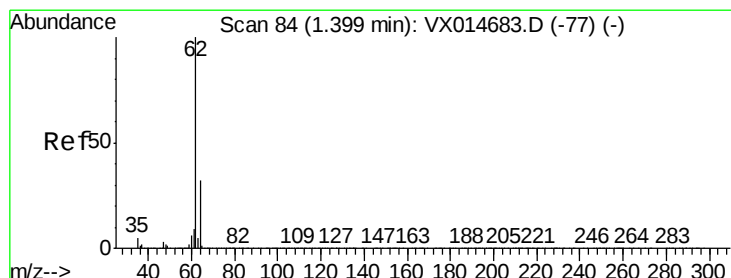
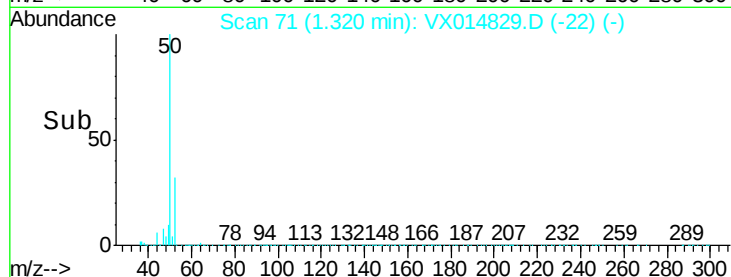
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 18.165 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014829.D

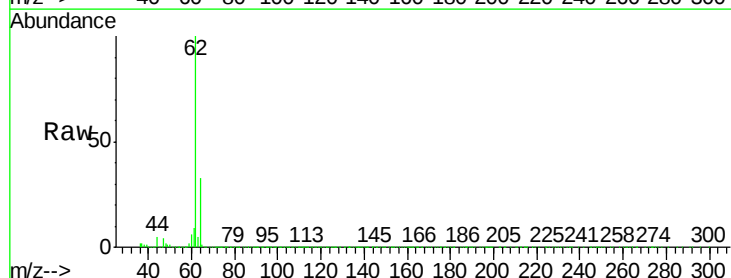
Acq: 05 Feb 2020 17:50

Tgt Ion: 62 Resp: 108456

Ion Ratio Lower Upper

62 100

64 33.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

120000

100000

80000

60000

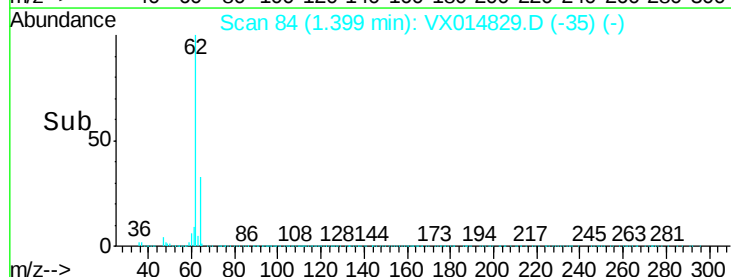
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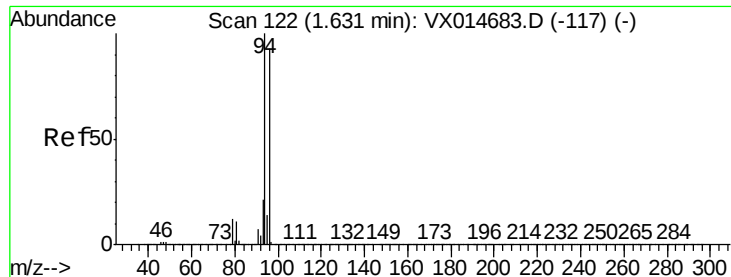
20000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 16.324 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBSD02

Tot Ion: 94 Resp: 66201

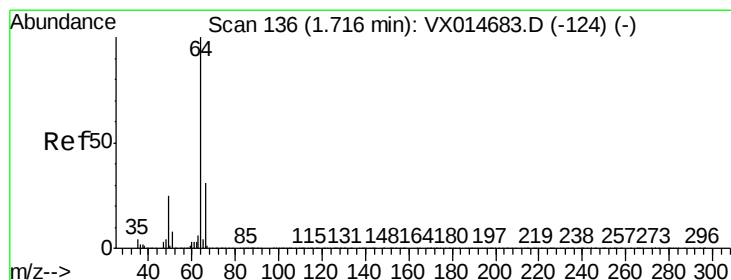
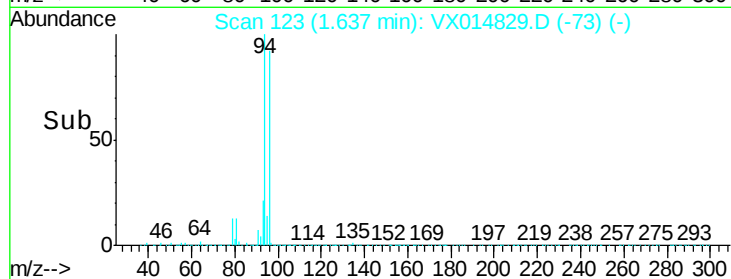
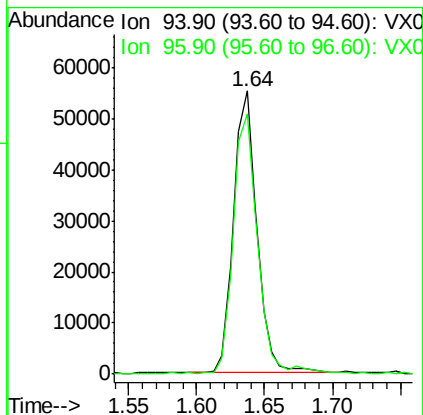
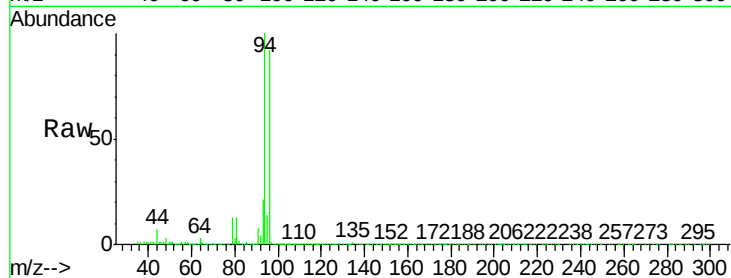
Ion Ratio Lower Upper

94 100

96 92.1 74.7 112.1

Manual Integrations
APPROVED

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#6

Chloroethane

Concen: 18.346 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX014829.D

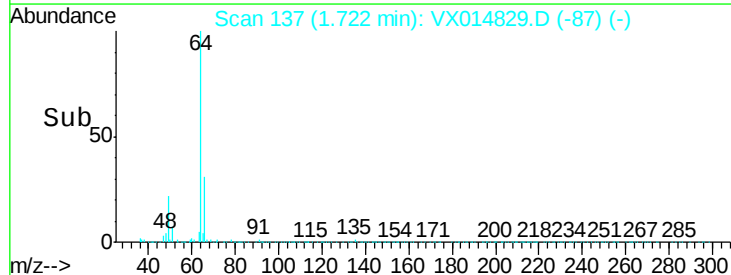
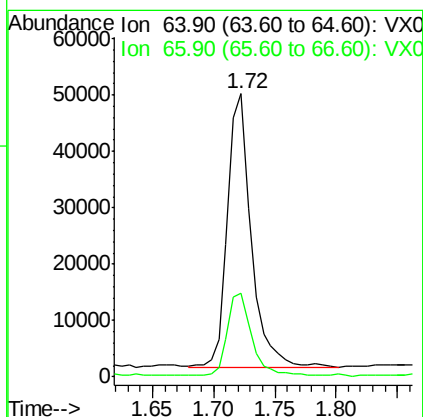
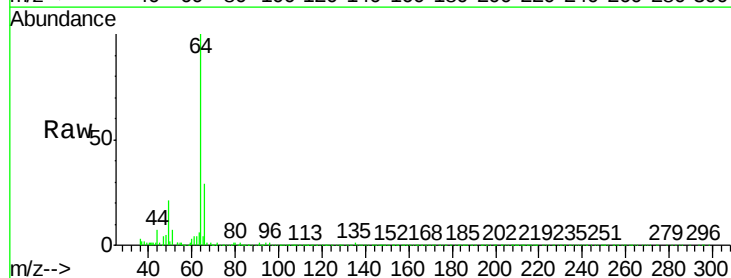
Acq: 05 Feb 2020 17:50

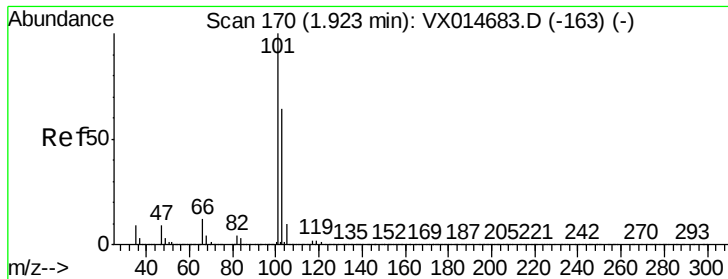
Tgt Ion: 64 Resp: 65663

Ion Ratio Lower Upper

64 100

66 29.9 25.2 37.8





#7

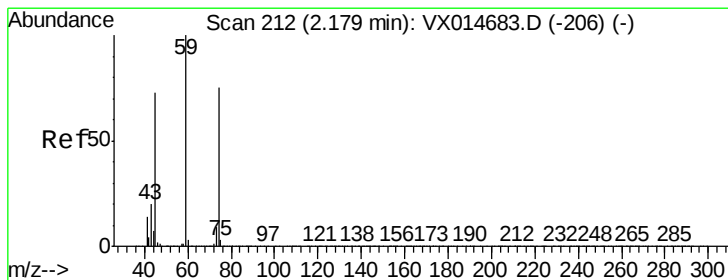
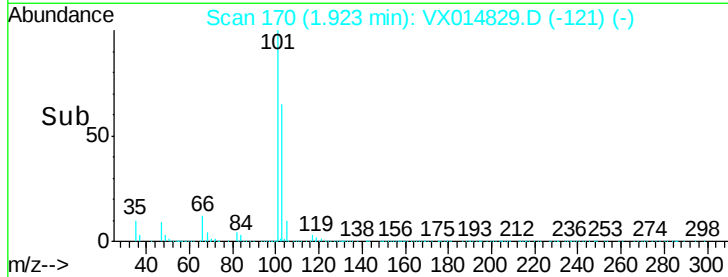
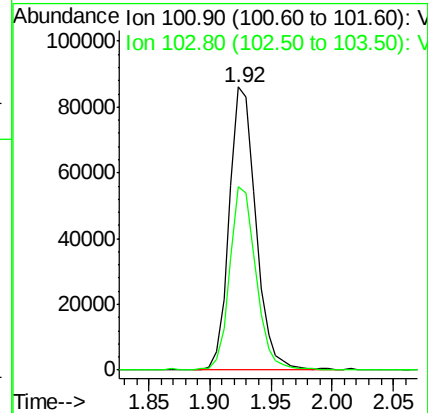
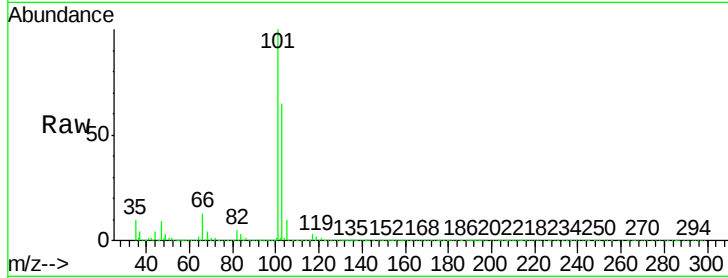
Trichlorofluoromethane
Concen: 18.672 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	129811		
103	64.8	51.0	76.6	

Manual Integrations
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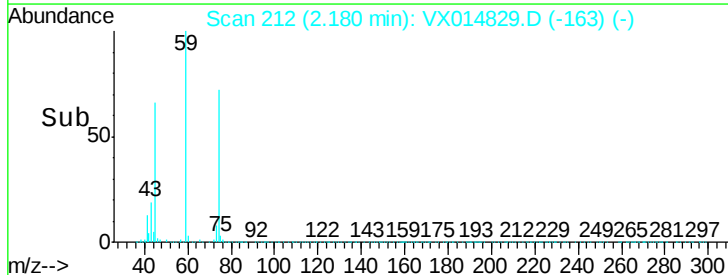
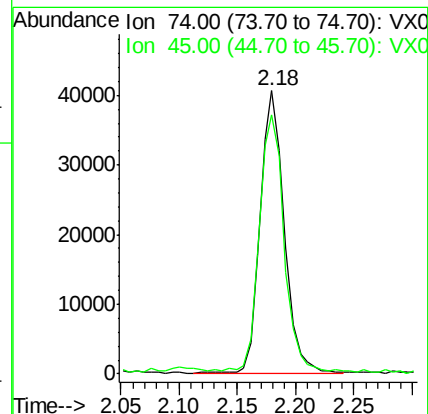
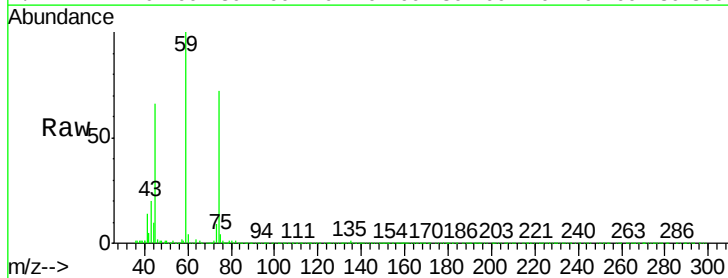
MMDadoda
2/6/2020 1:34:16 PM

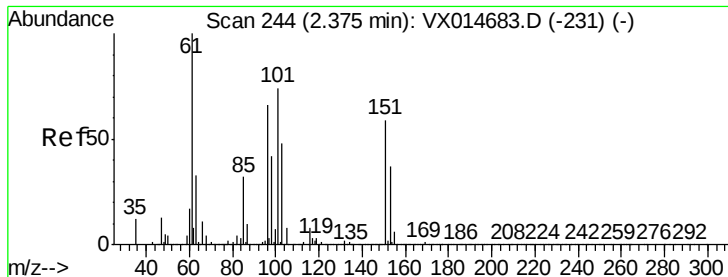


#8

Diethyl Ether
Concen: 19.236 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	58371		
45	94.2	49.4	148.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.324 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

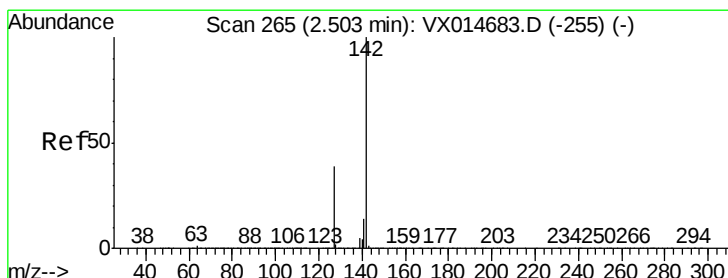
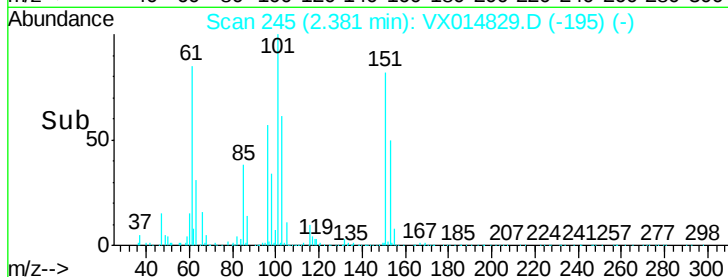
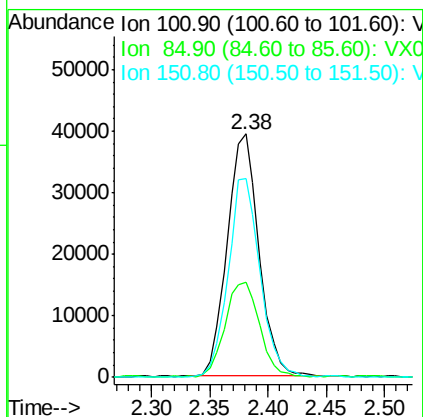
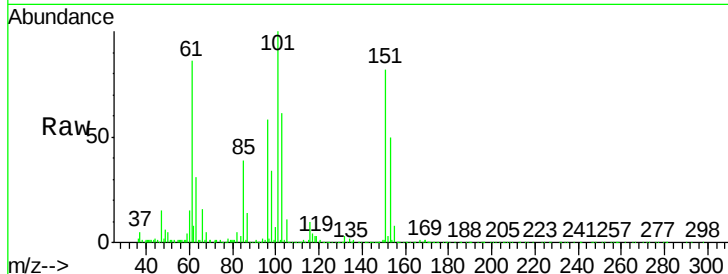
ClientSampleId :

VX0205WBSD02

Tot Ion:	101	Resp:	74785
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.7	52.1
151	83.0	64.7	97.1

Manual Integrations
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#10

Methyl Iodide

Concen: 18.327 ug/l

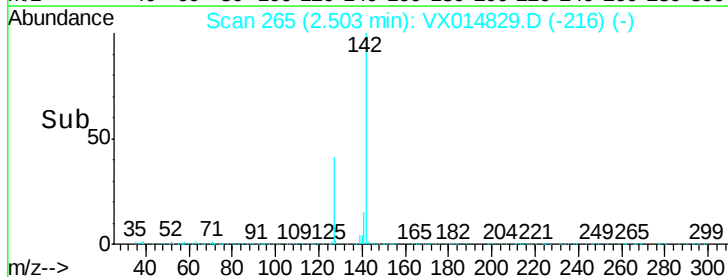
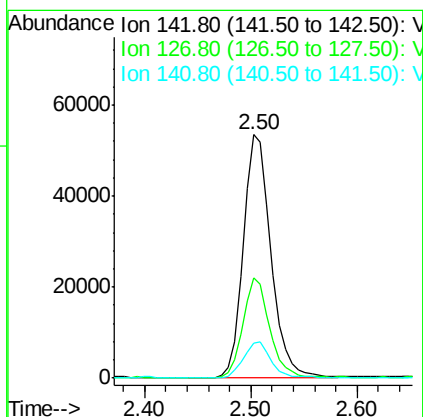
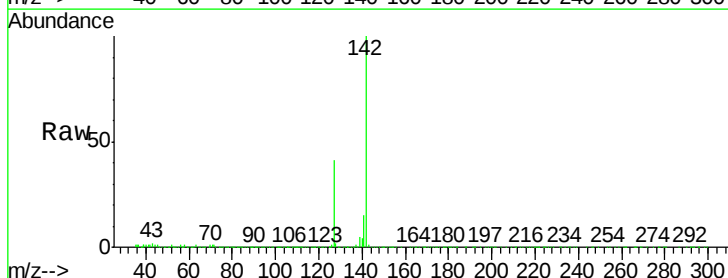
RT: 2.50 min Scan# 265

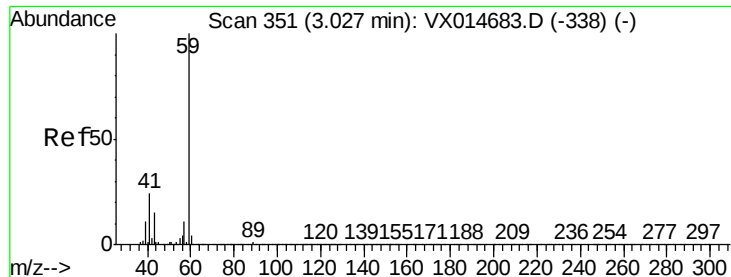
Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Tgt Ion:	142	Resp:	98143
Ion Ratio	Lower	Upper	
142	100		
127	39.7	31.1	46.7
141	14.7	11.3	16.9





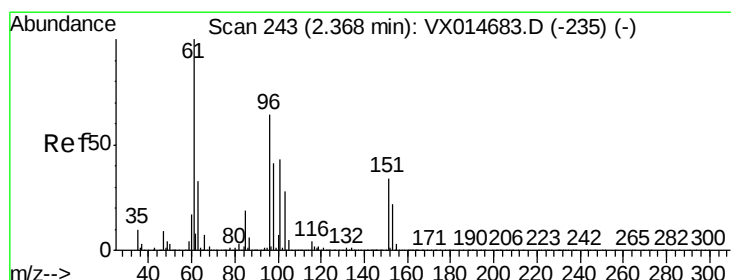
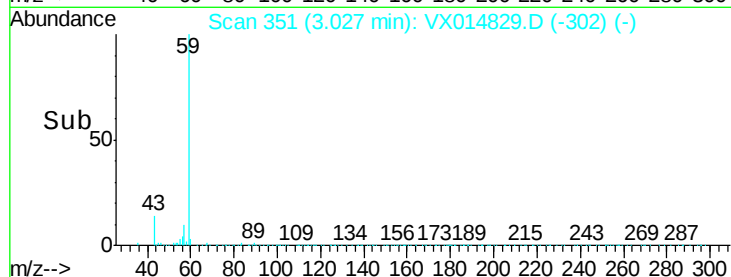
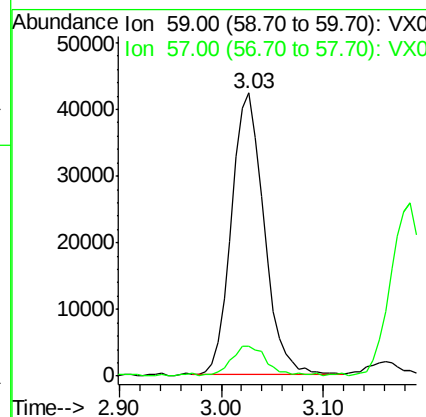
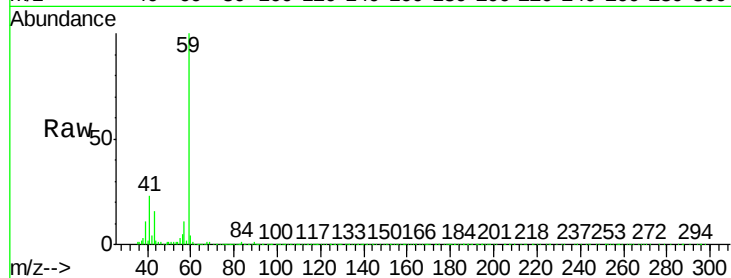
#11
Tert butyl alcohol
Concen: 87.457 ug/l
RT: 3.03 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

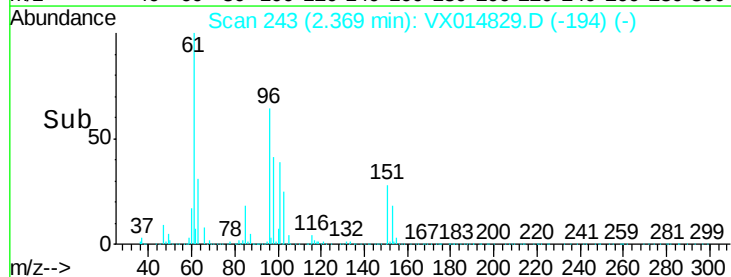
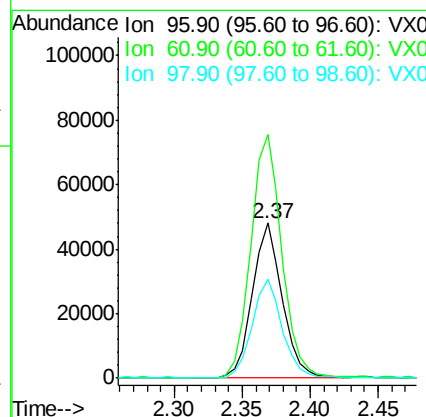
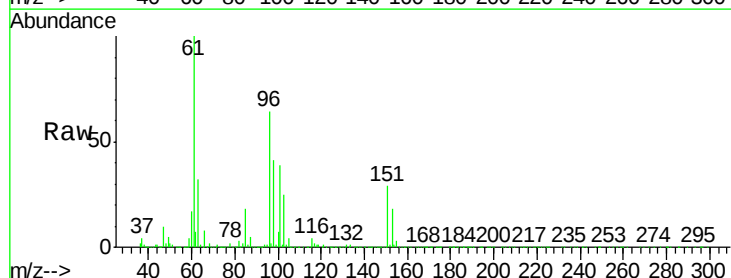
Manual Integrations
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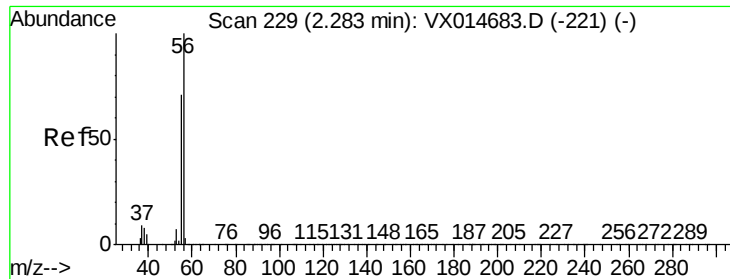
MMDadoda
2/6/2020 1:34:16 PM



#12
1,1-Dichloroethene
Concen: 18.120 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.3	125.8	188.8
98	63.9	51.5	77.3





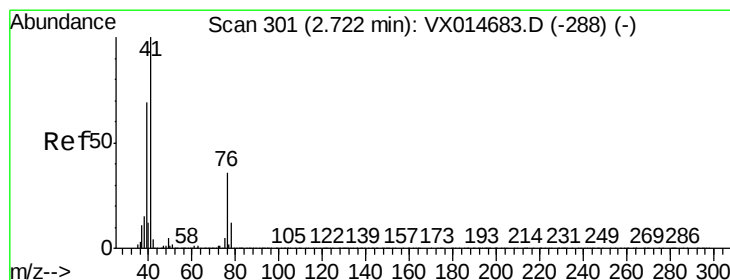
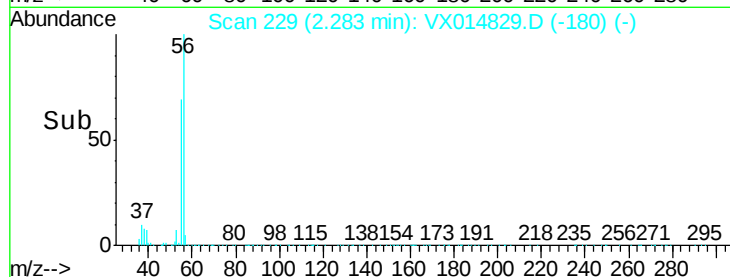
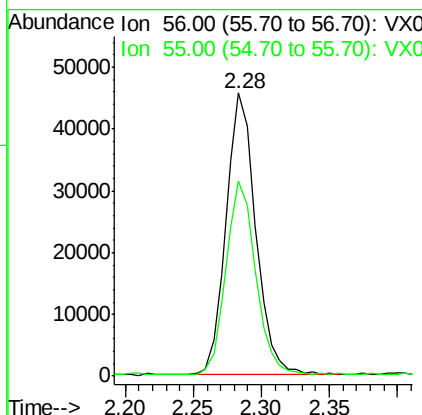
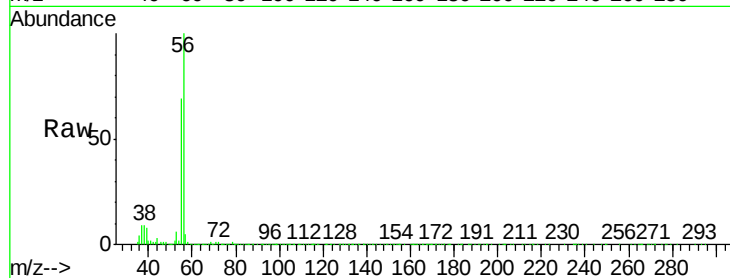
#13
Acrolein
Concen: 82.533 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
55	67.5	56.6	84.8

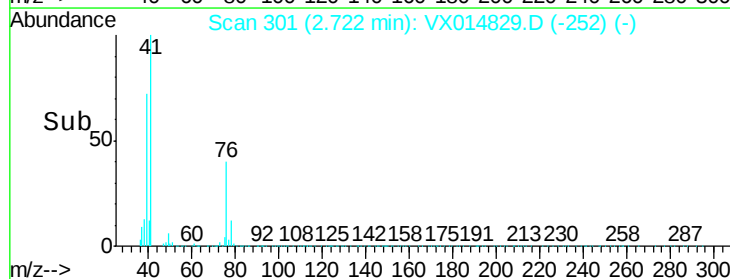
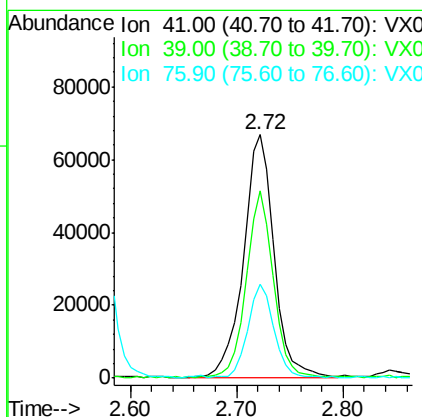
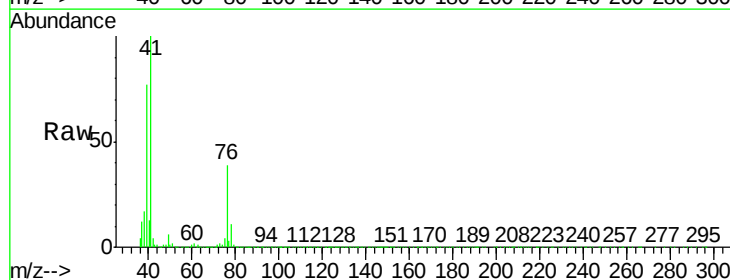
Manual Integrations
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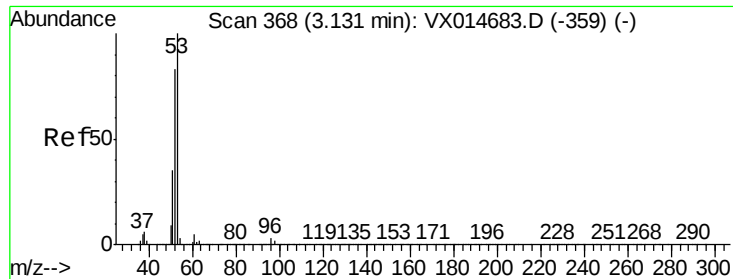
MMDadoda
2/6/2020 1:34:16 PM



#14
Allyl chloride
Concen: 18.667 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.8	52.0	78.0
76	32.5	26.0	39.0





#15

Acrylonitrile

Concen: 92.464 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

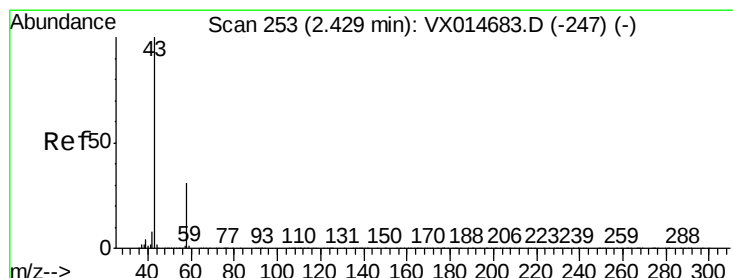
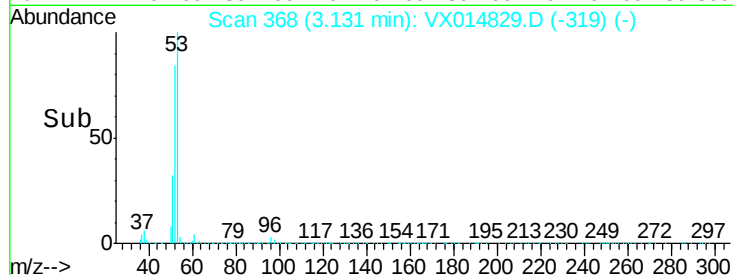
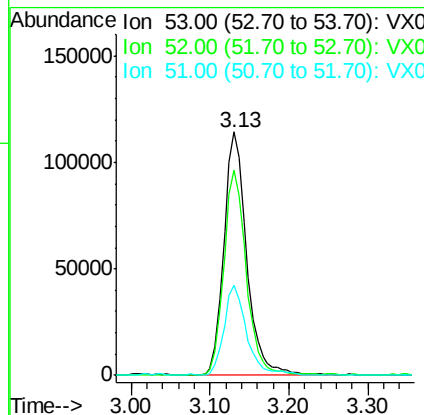
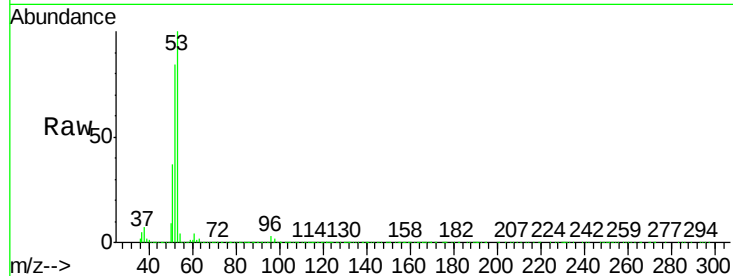
ClientSampleId :

VX0205WBSD02

Tot Ion:	53	Resp:	228953
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.4	99.6
51	36.8	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 92.858 ug/l

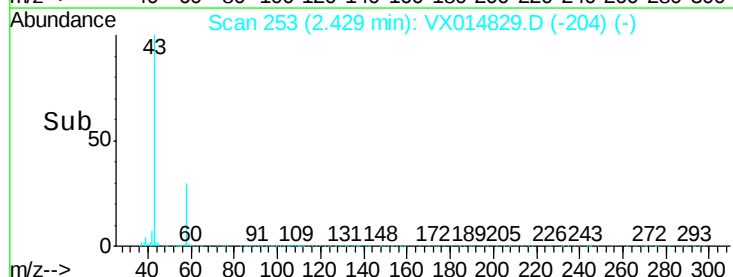
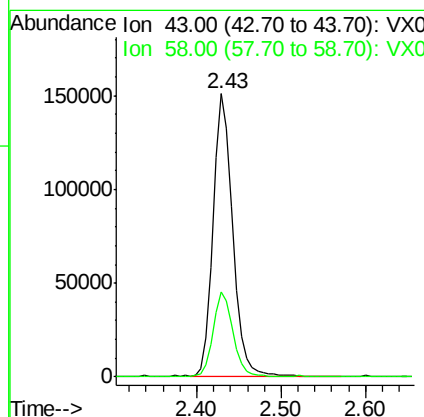
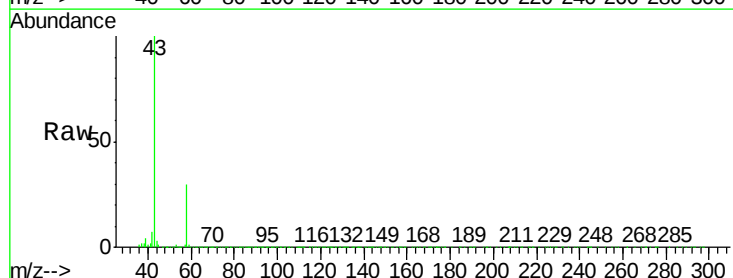
RT: 2.43 min Scan# 253

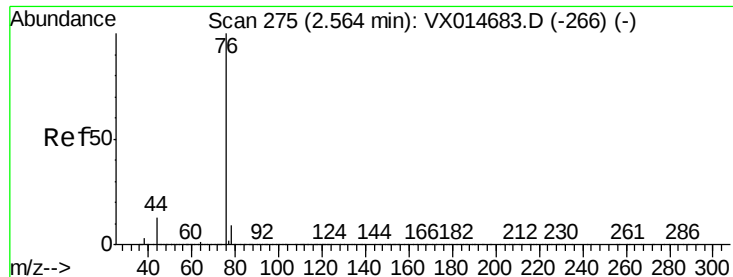
Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Tgt Ion:	43	Resp:	242342
Ion Ratio	Lower	Upper	
43	100		
58	29.9	24.5	36.7





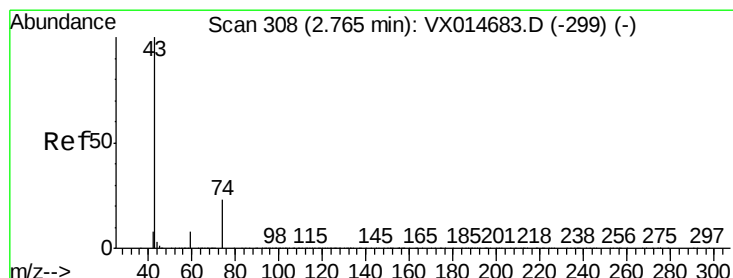
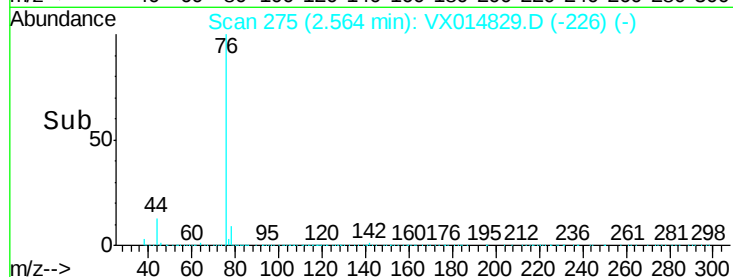
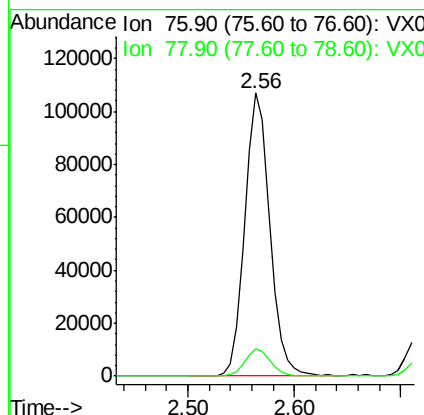
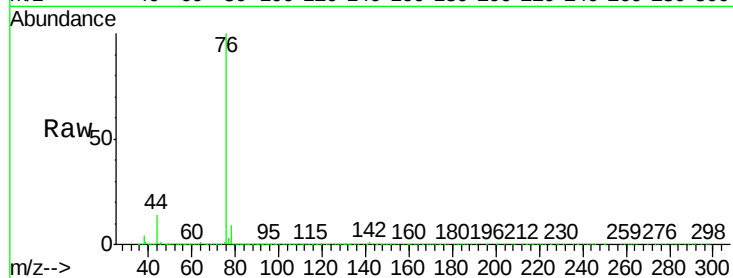
#17
Carbon Disulfide
Concen: 15.904 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

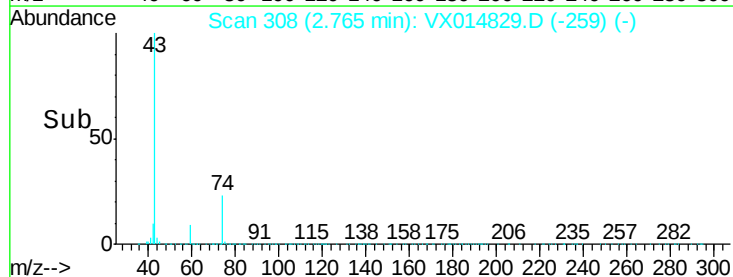
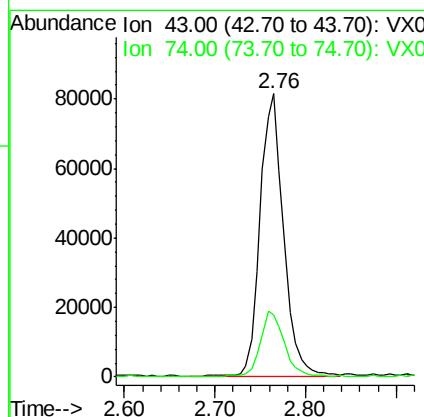
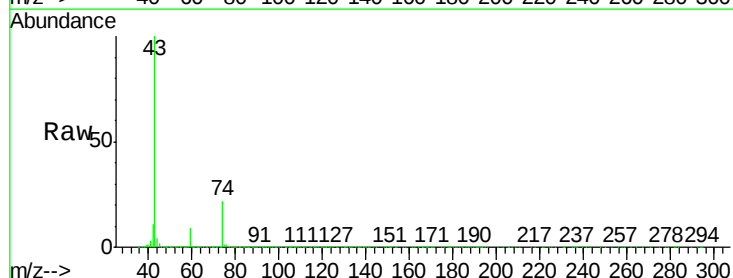
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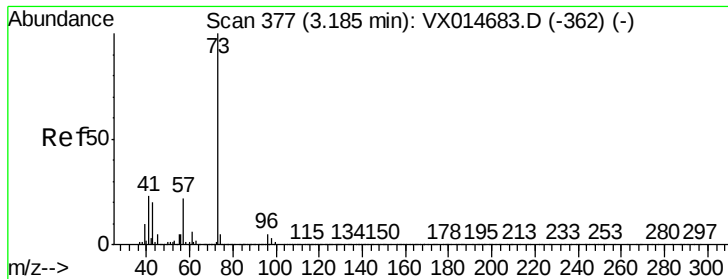
MMDadoda
2/6/2020 1:34:16 PM



#18
Methyl Acetate
Concen: 19.492 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.5	27.7





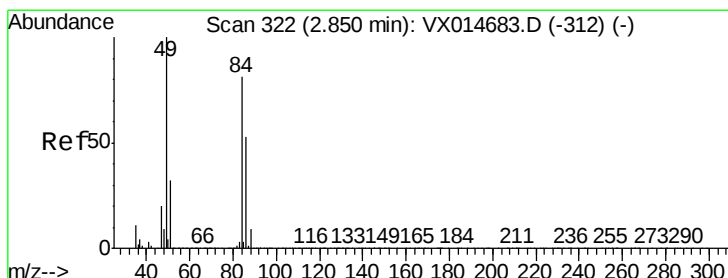
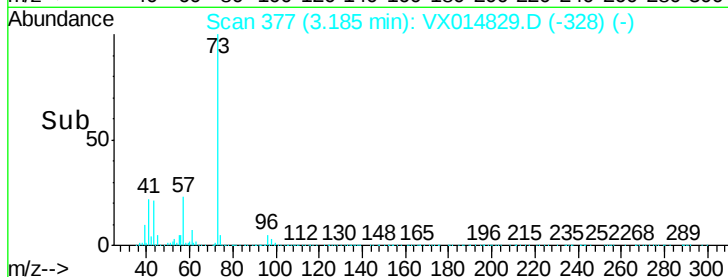
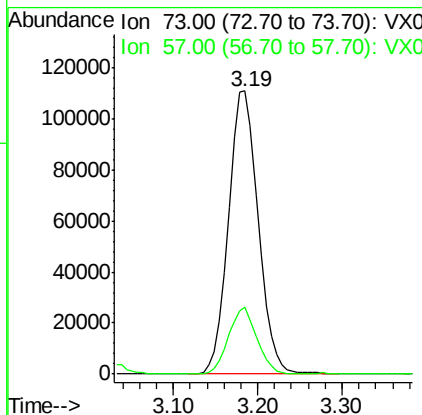
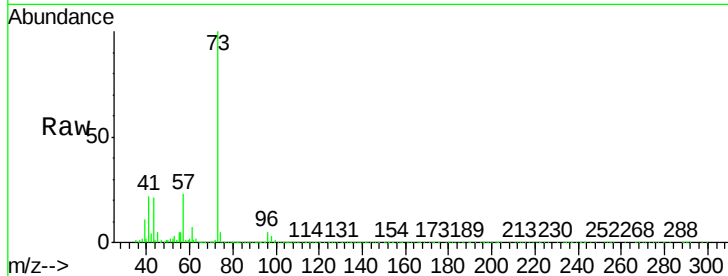
#19
Methvl tert-butvl Ether
Concen: 19.881 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.0	27.0

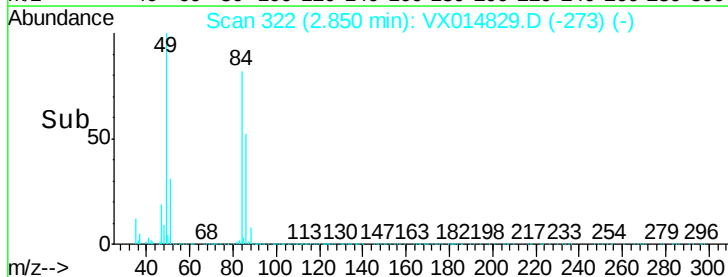
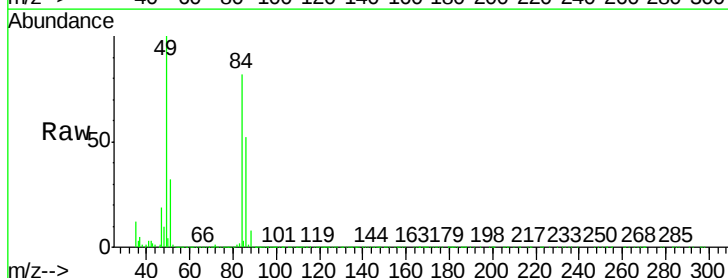
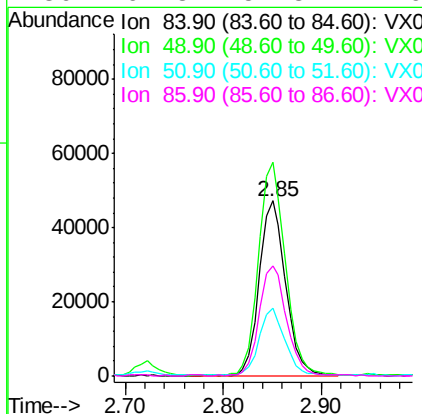
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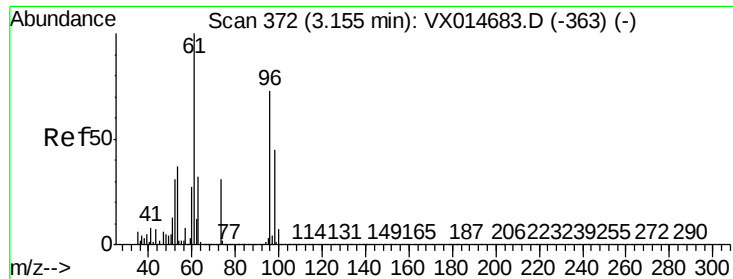
MMDadoda
2/6/2020 1:34:16 PM



#20
Methylene Chloride
Concen: 18.226 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.7	98.2	147.4
51	38.2	31.3	46.9
86	62.8	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 18.223 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

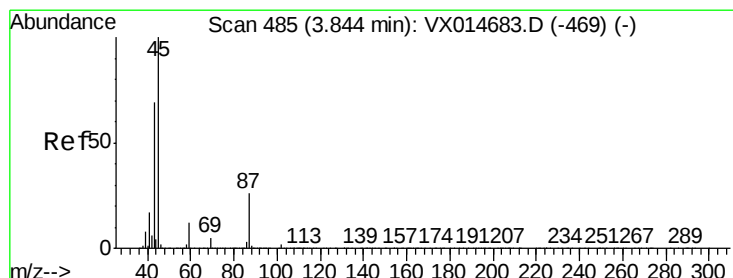
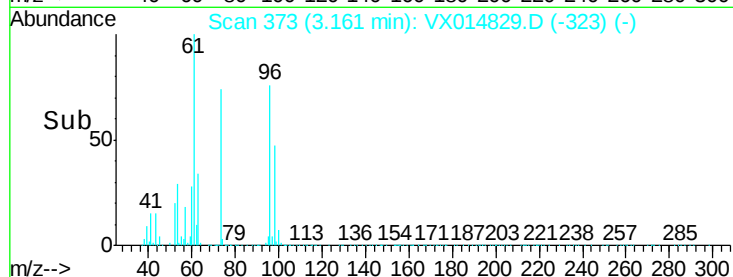
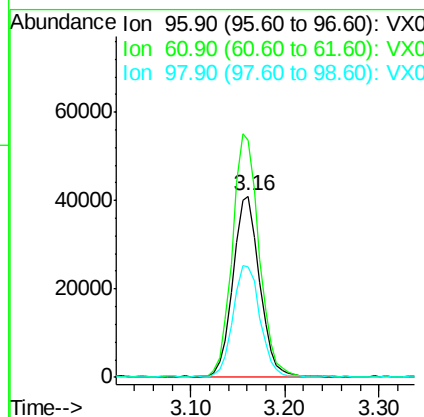
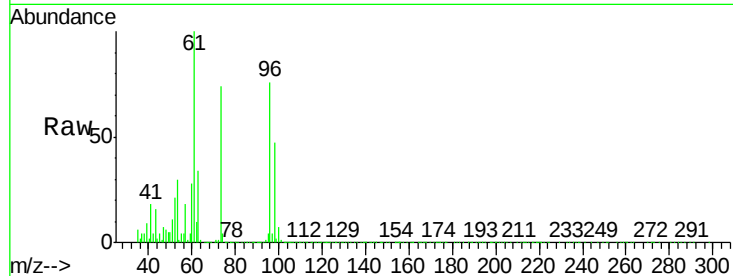
ClientSampleId :

VX0205WBSD02

Tot Ion:	96	Resp:	81416
Ion	Ratio	Lower	Upper
96	100		
61	130.5	109.8	164.6
98	60.8	49.6	74.4

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#22

Diisopropyl ether

Concen: 19.350 ug/l

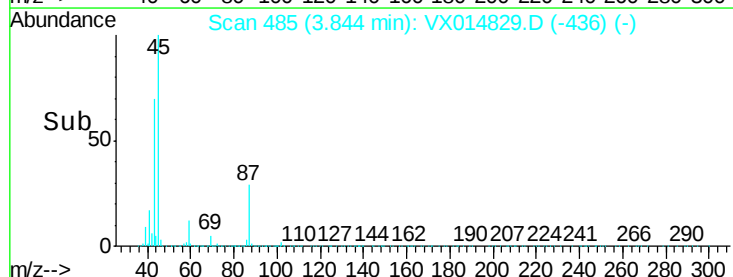
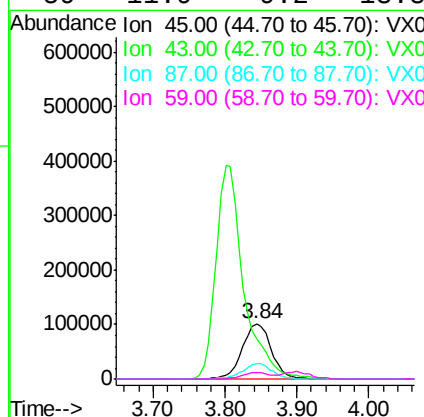
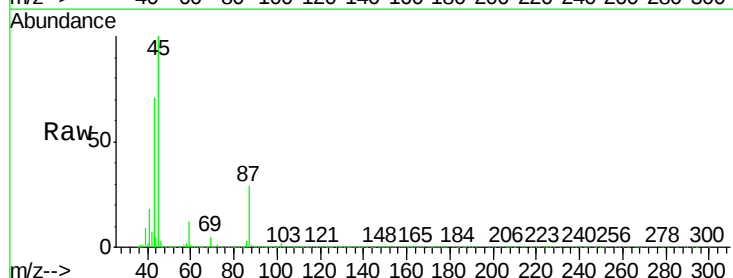
RT: 3.84 min Scan# 485

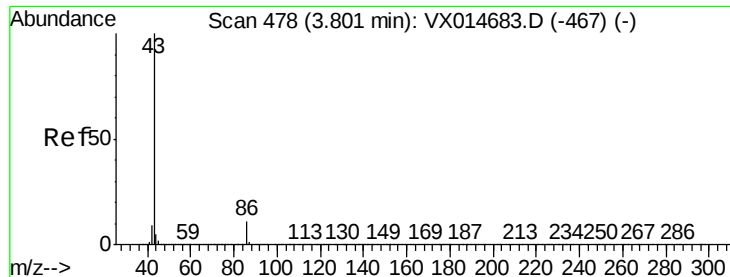
Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Tgt Ion:	45	Resp:	280787
Ion	Ratio	Lower	Upper
45	100		
43	70.2	55.1	82.7
87	28.8	20.7	31.1
59	11.9	9.2	13.8





#23

Vinyl Acetate

Concen: 94.647 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBSD02

Tot Ion: 43 Resp: 1046943

Ion Ratio Lower Upper

43 100

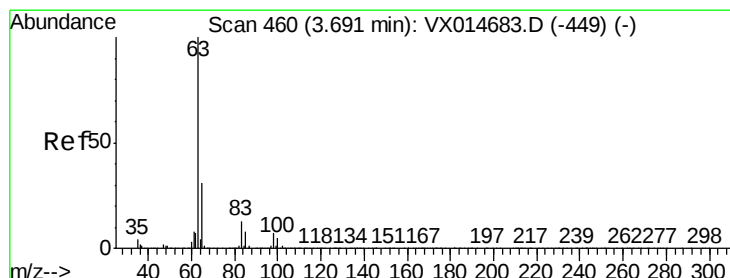
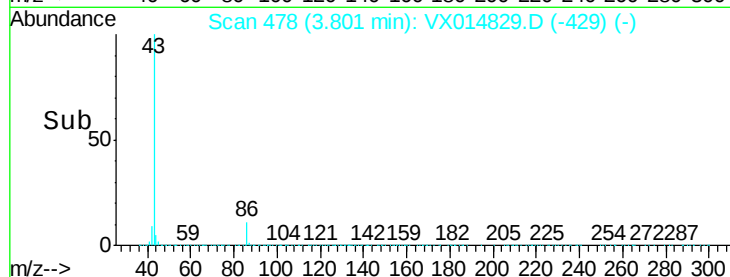
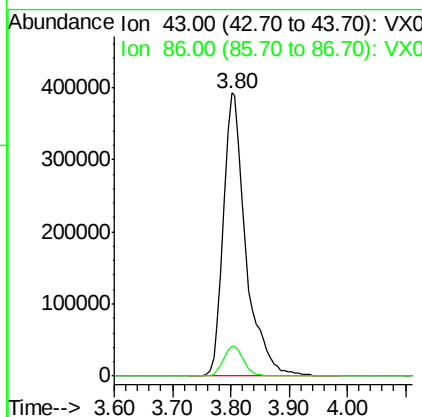
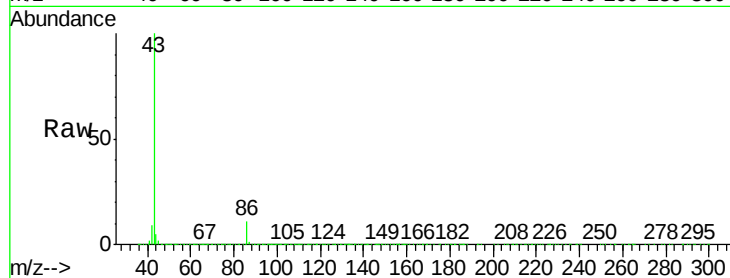
86 10.5 8.4 12.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.070 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

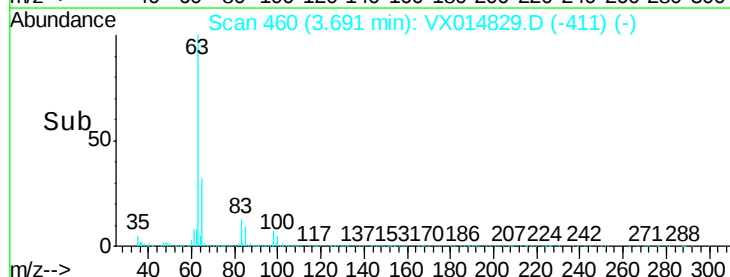
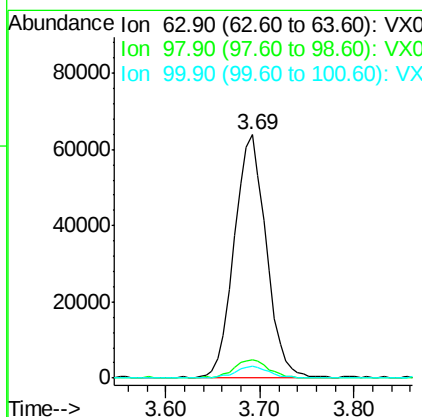
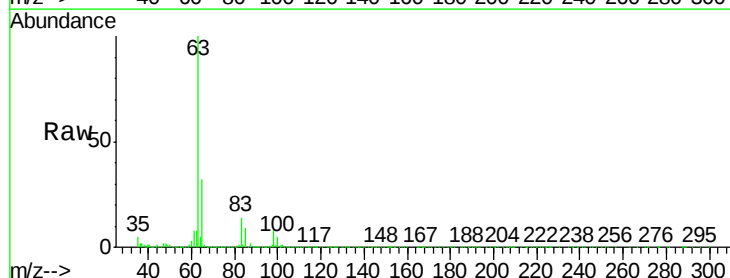
Tgt Ion: 63 Resp: 150283

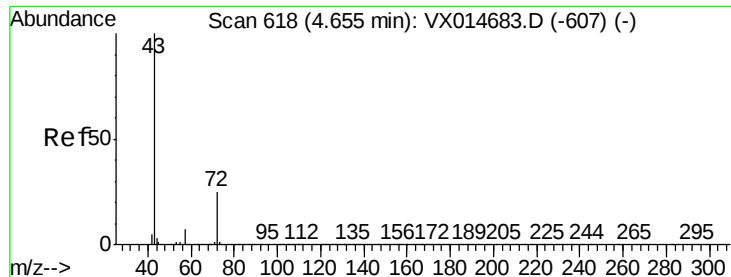
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.8

100 4.7 2.2 6.6





#25

2-Butanone

Concen: 89.358 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBSD02

Tot Ion: 43 Resp: 334469

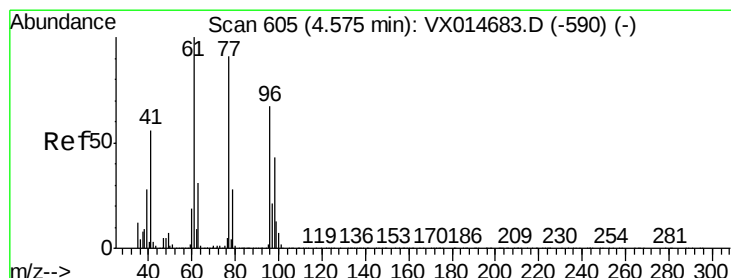
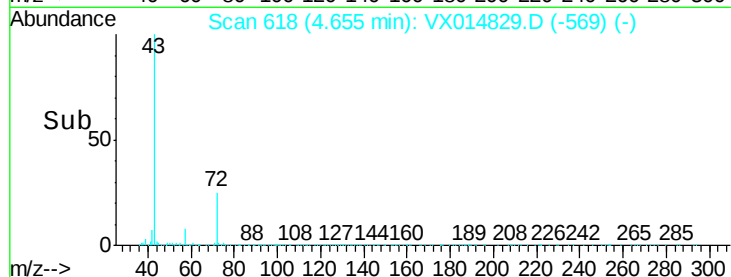
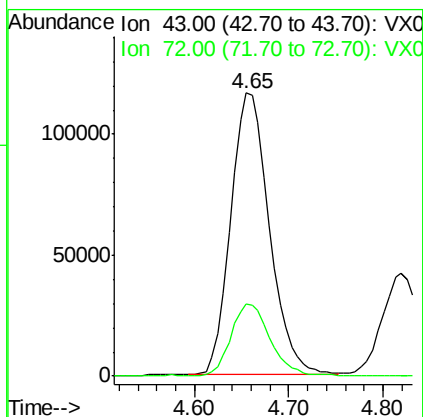
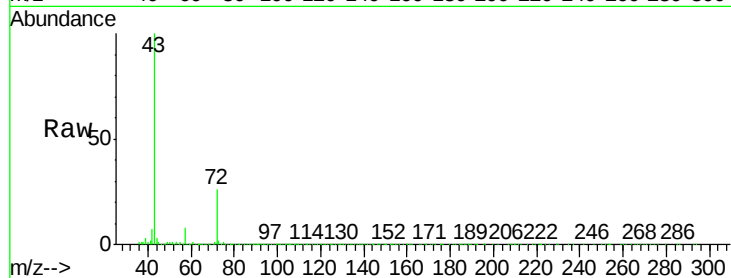
Ion Ratio Lower Upper

43 100

72 25.2 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 18.926 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX014829.D

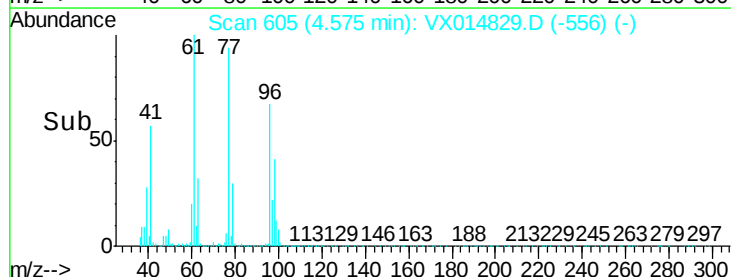
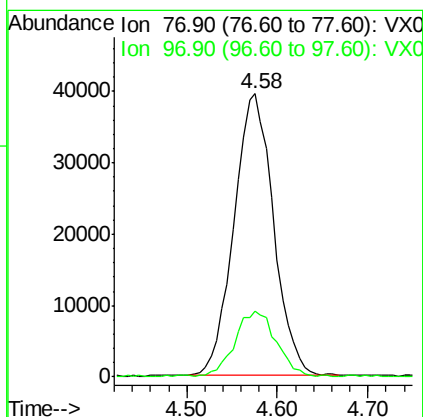
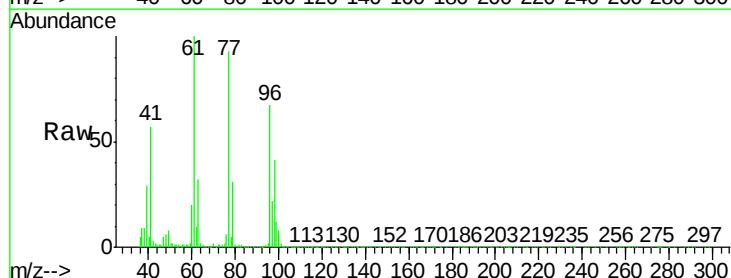
Acq: 05 Feb 2020 17:50

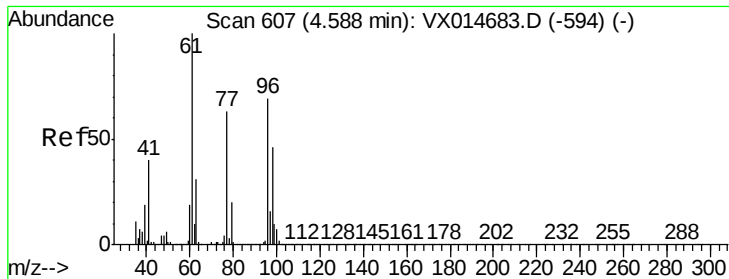
Tgt Ion: 77 Resp: 119383

Ion Ratio Lower Upper

77 100

97 24.3 11.8 35.3





#27

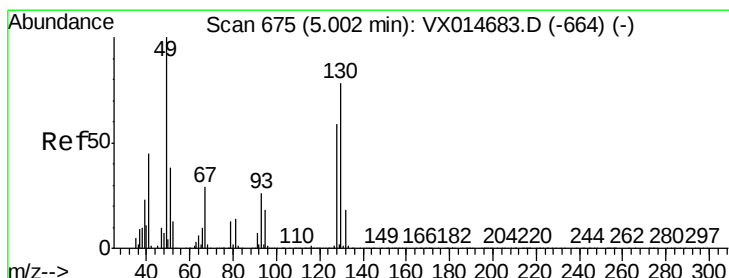
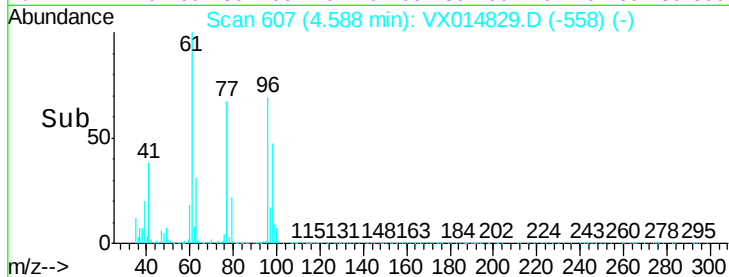
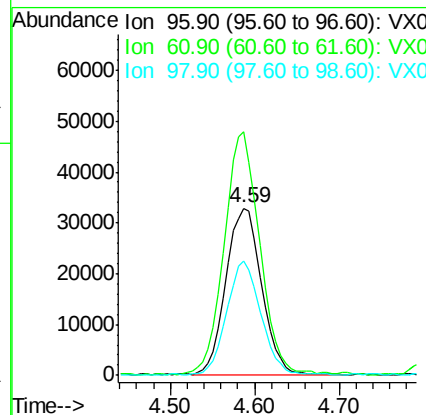
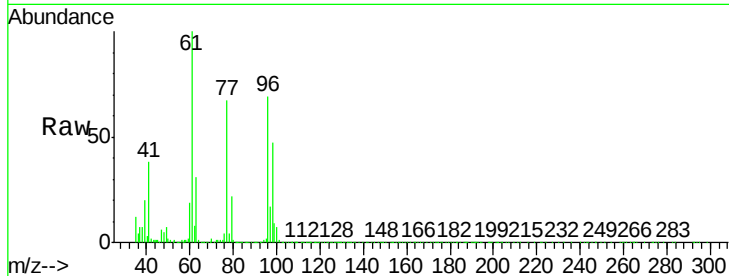
cis-1,2-Dichloroethene
Concen: 18.979 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	291.0
98	64.5	0.0	129.8

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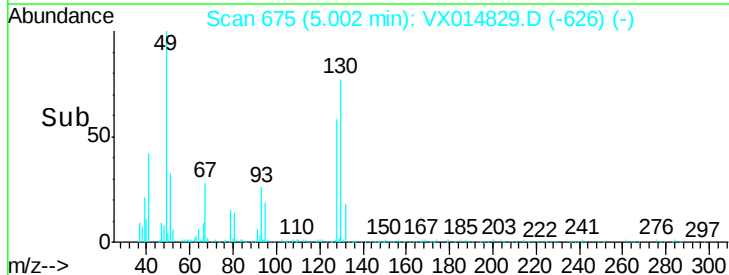
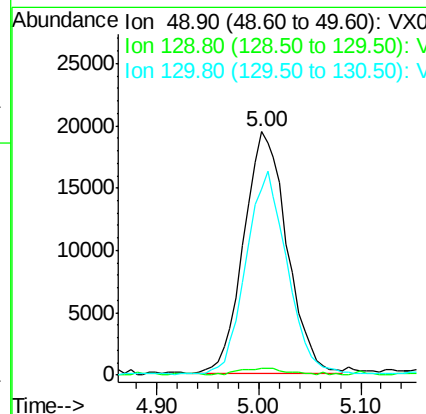
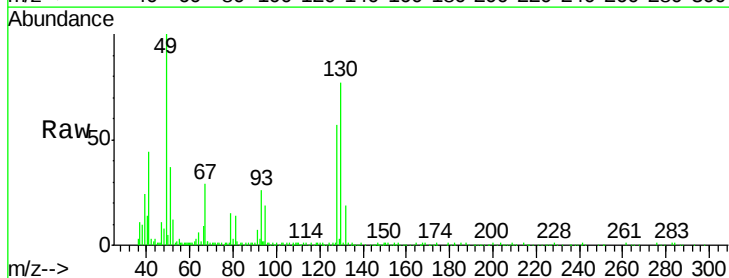
MMDadoda
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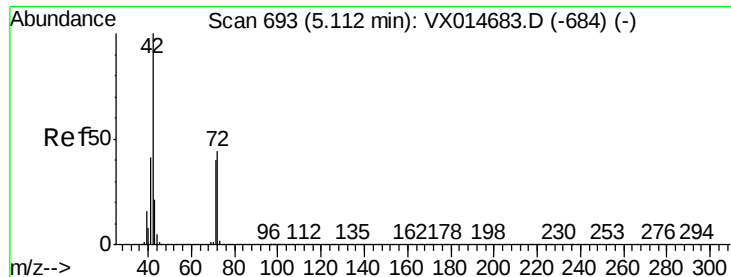


#28

Bromochloromethane
Concen: 16.428 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	4.8
130	82.0	62.4	93.6





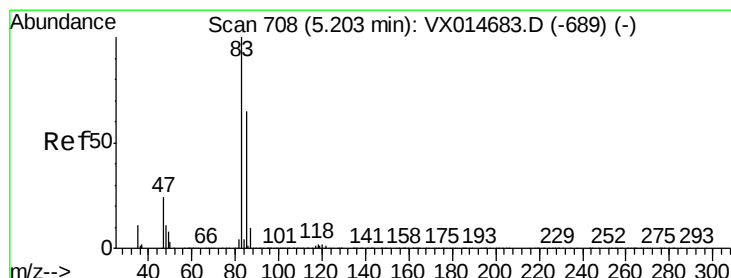
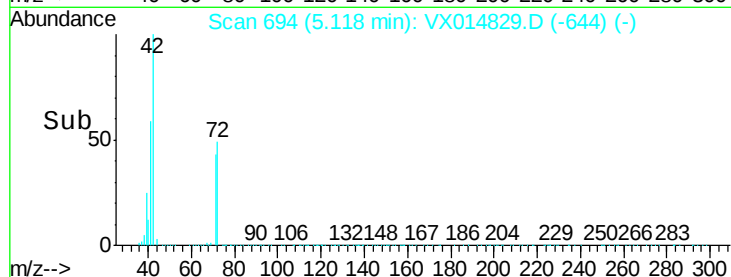
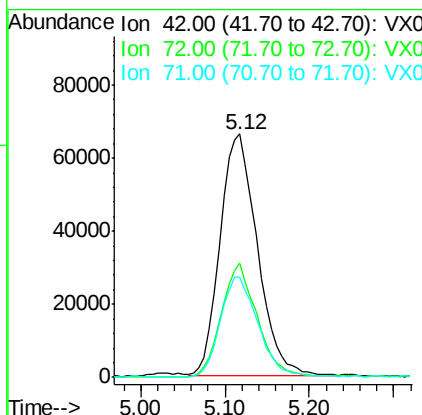
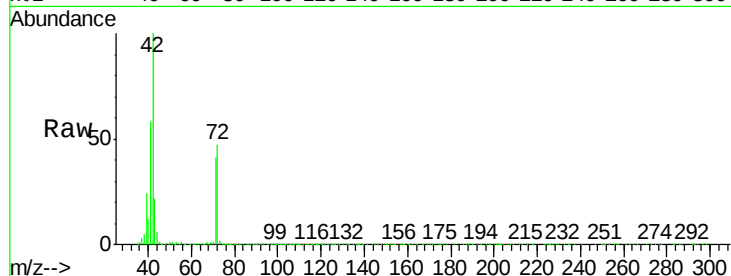
#29
Tetrahydrofuran
Concen: 90.008 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	35.3	52.9
71	41.8	33.1	49.7

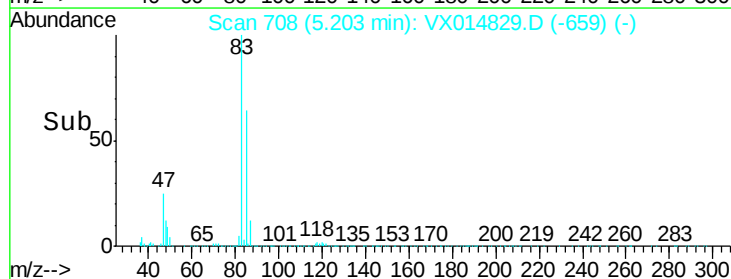
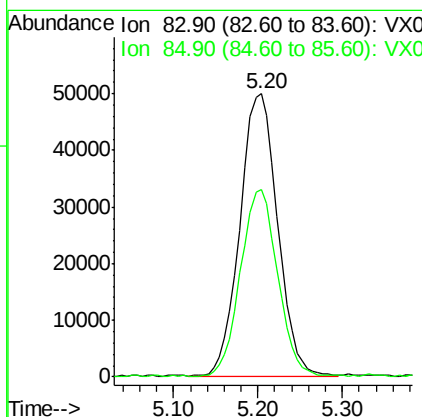
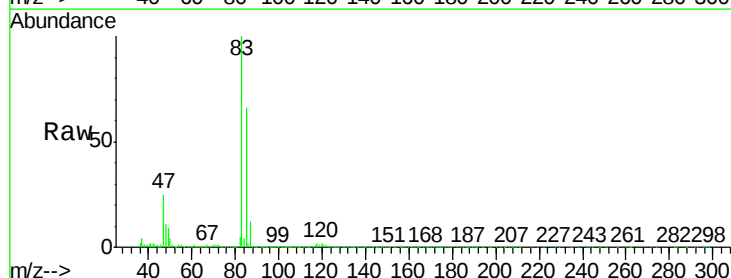
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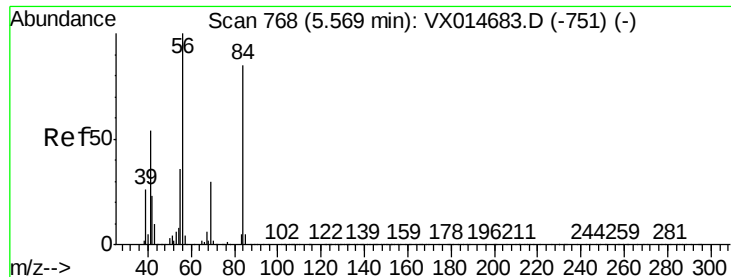
MMDadoda
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#30
Chloroform
Concen: 19.335 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.7	77.5





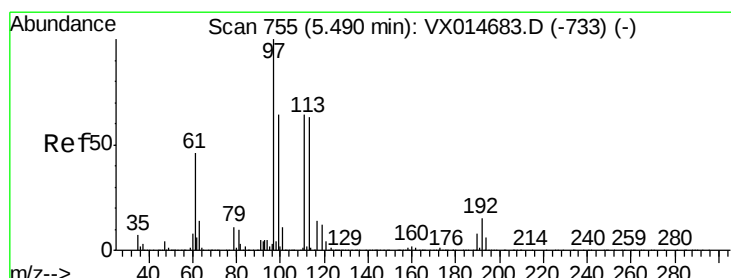
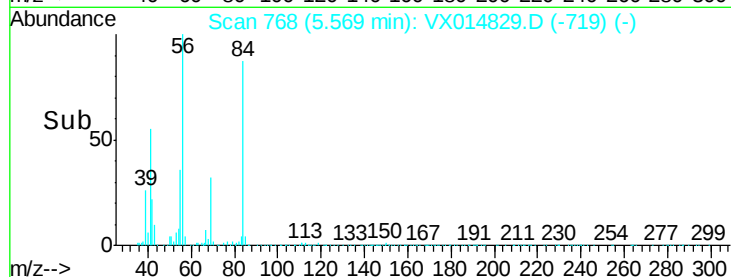
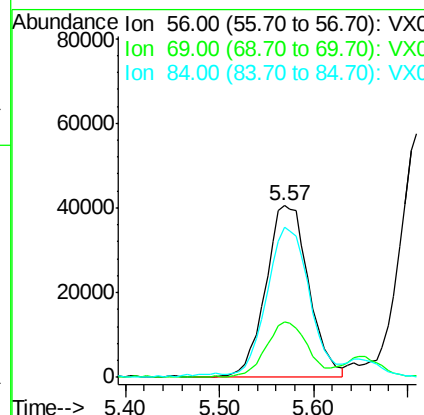
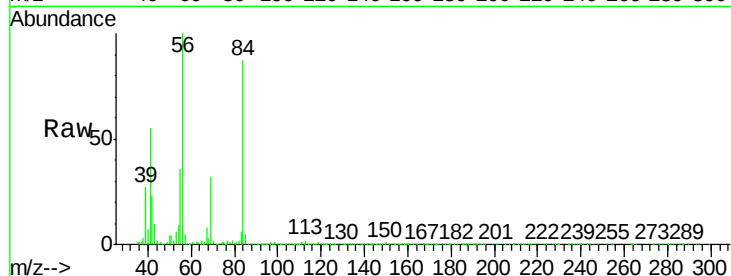
#31
Cvclohexane
Concen: 17.462 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	23.4	35.2
84	86.3	68.4	102.6

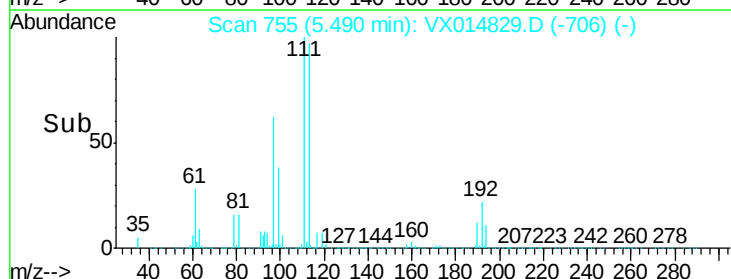
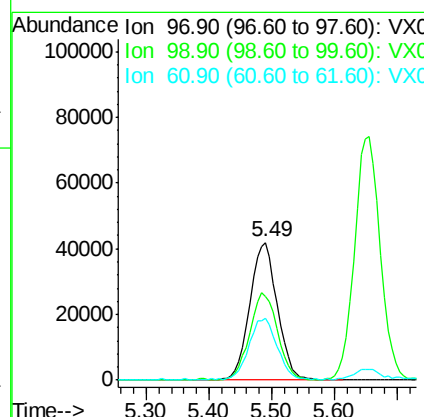
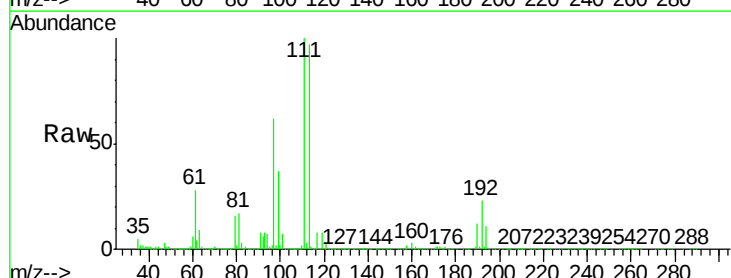
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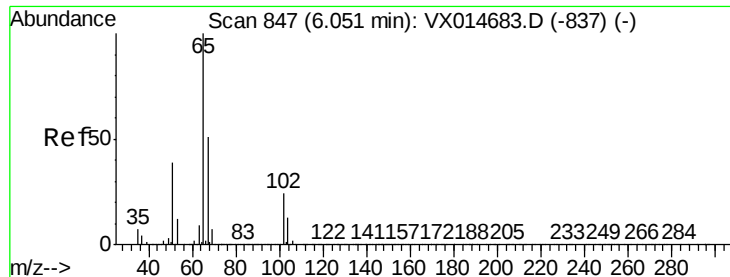
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#32
1,1,1-Trichloroethane
Concen: 19.308 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.3	78.5
61	45.2	37.2	55.8





#33

1,2-Dichloroethane-d4

Concen: 48.060 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBSD02

Tot Ion: 65 Resp: 229090

Ion Ratio Lower Upper

65 100

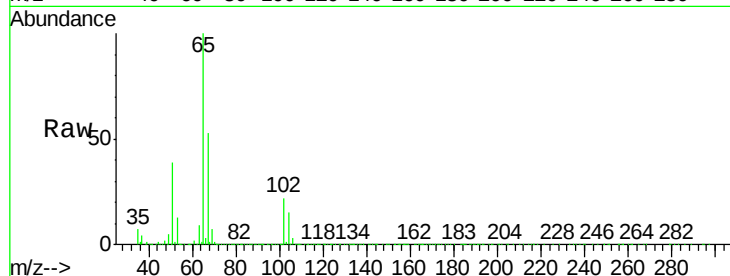
67 51.8 0.0 107.4

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

80000

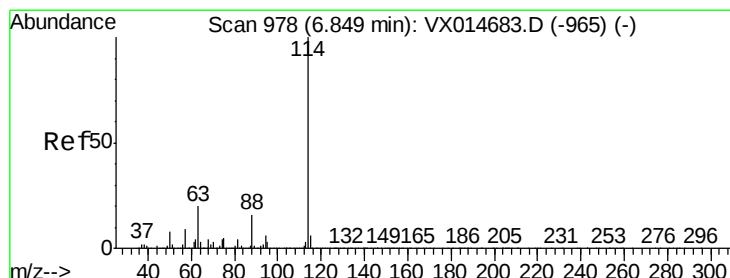
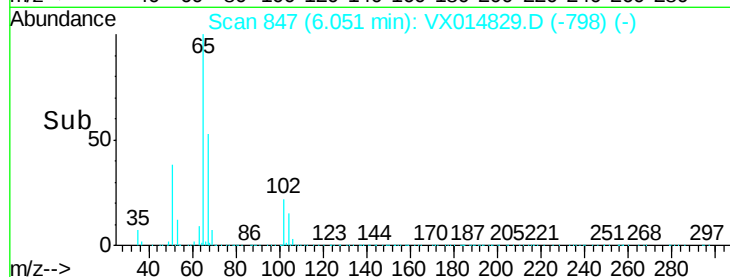
60000

40000

20000

0

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

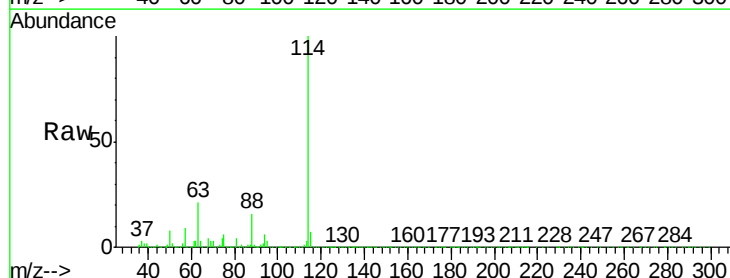
Tgt Ion: 114 Resp: 616857

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.6

88 15.7 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

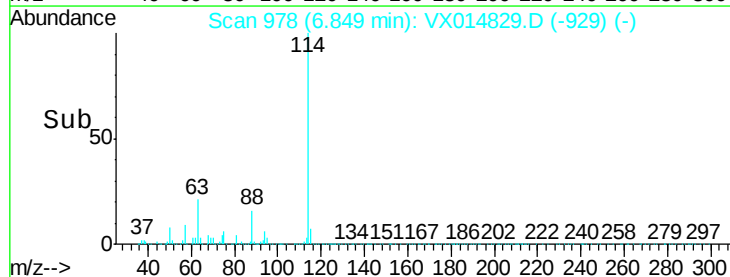
300000

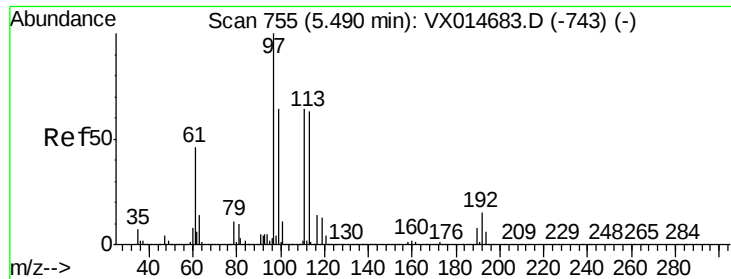
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.531 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014829.D

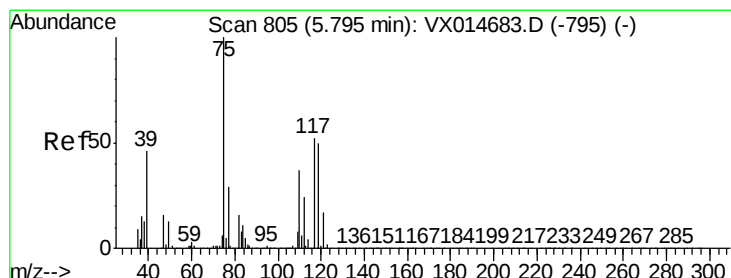
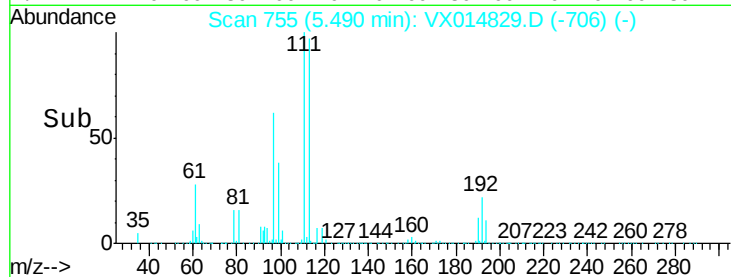
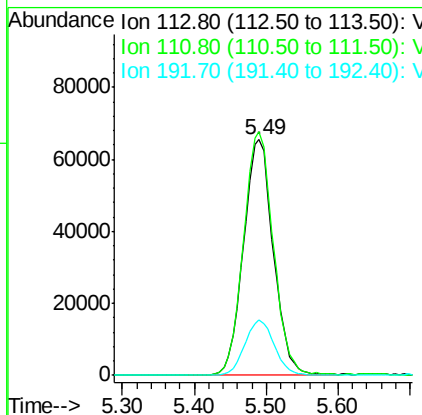
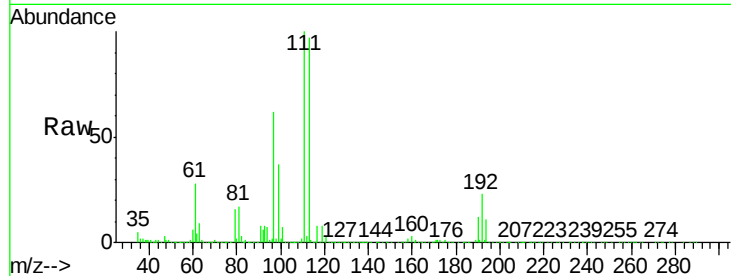
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBSD02

Tot Ion:	113	Resp:	188899
Ion Ratio	Lower	Upper	
113	100		
111	102.6	80.7	121.1
192	23.2	18.5	27.7

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#36

1,1-Dichloropropene

Concen: 18.807 ug/l

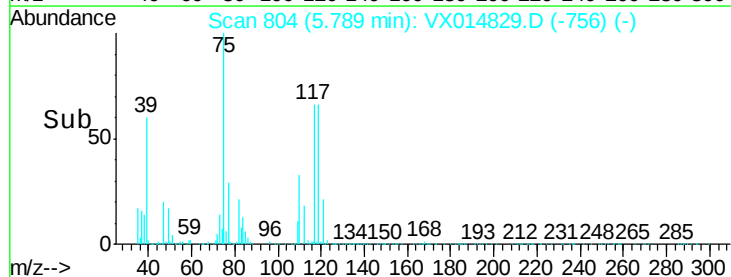
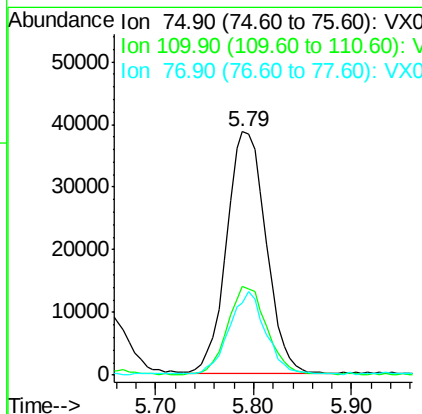
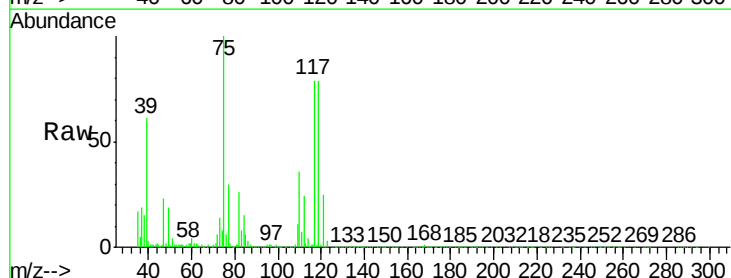
RT: 5.79 min Scan# 804

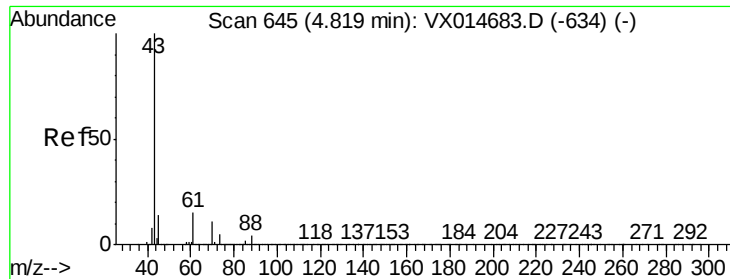
Delta R.T. -0.01 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Tgt Ion:	75	Resp:	107798
Ion Ratio	Lower	Upper	
75	100		
110	36.5	17.9	53.7
77	31.5	24.1	36.1





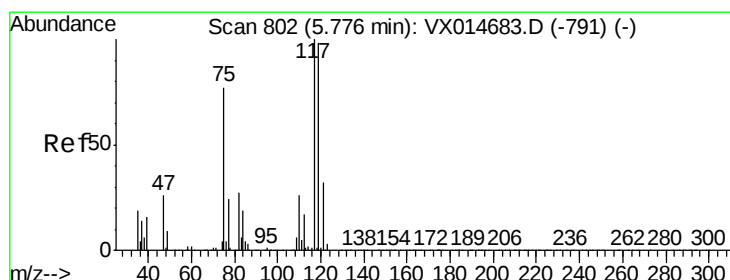
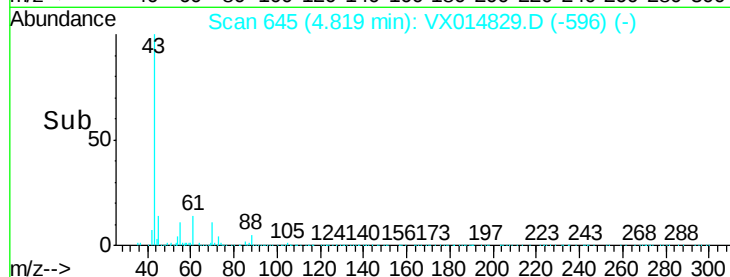
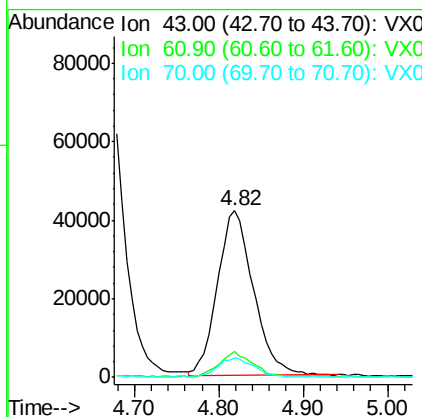
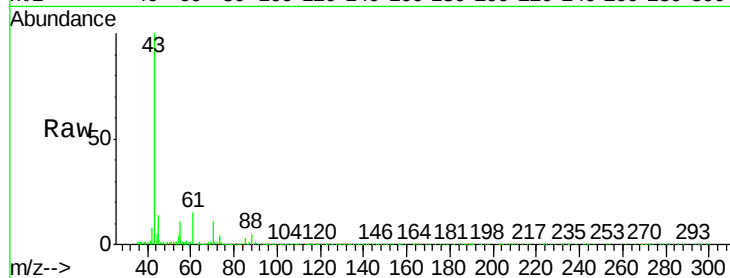
#37
Ethyl Acetate
Concen: 18.681 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.4
70	10.9	8.5	12.7

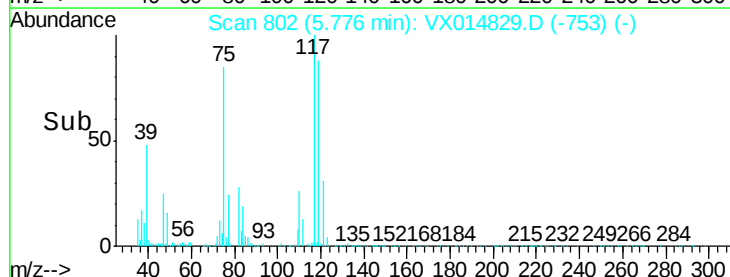
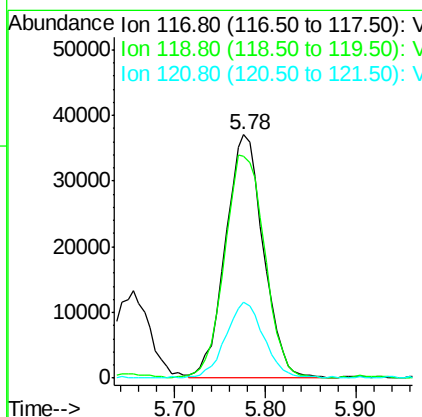
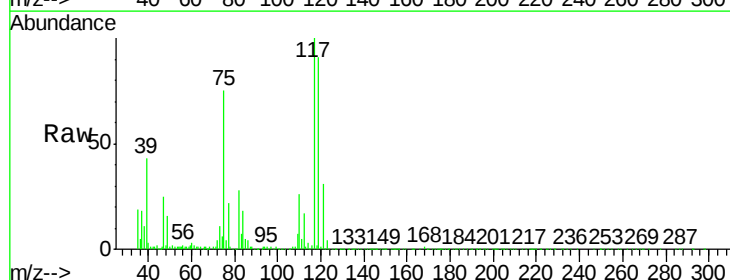
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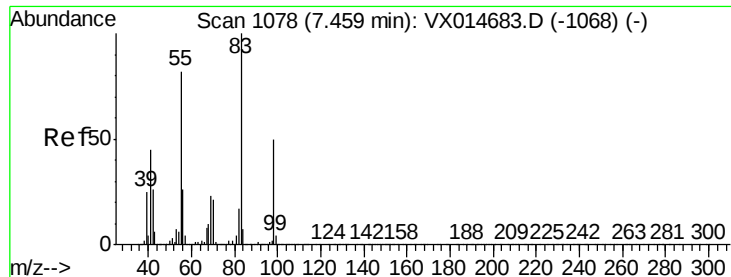
MMDadoda
2/6/2020 1:34:16 PM



#38
Carbon Tetrachloride
Concen: 19.545 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.9	77.9	116.9
121	31.0	25.4	38.2





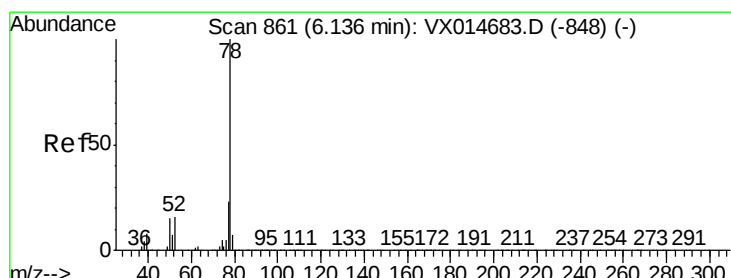
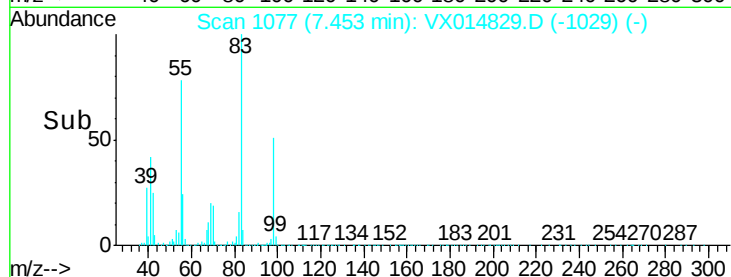
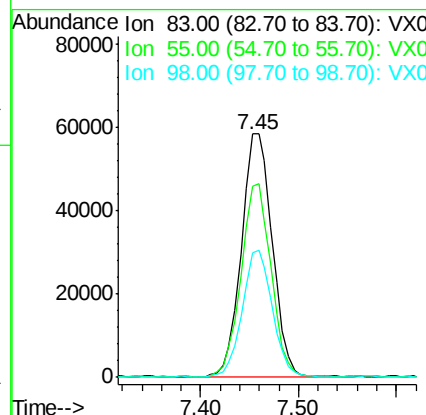
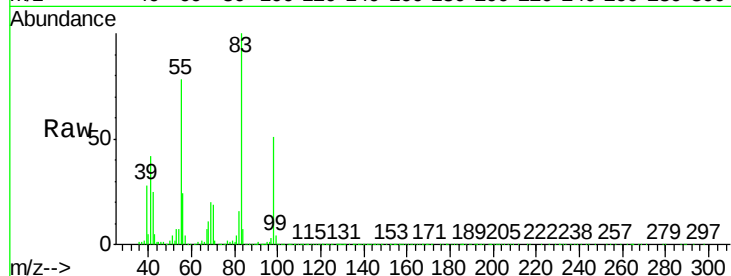
#39
Methvlcvclohexane
Concen: 17.936 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	65.6	98.4
98	51.2	40.2	60.4

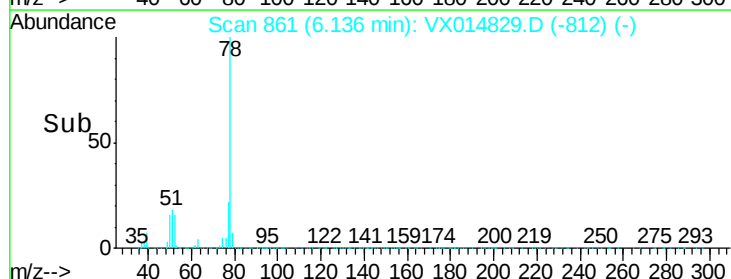
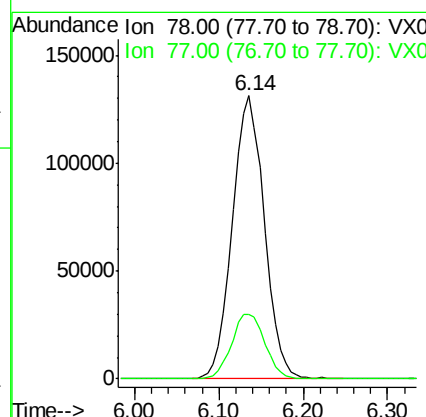
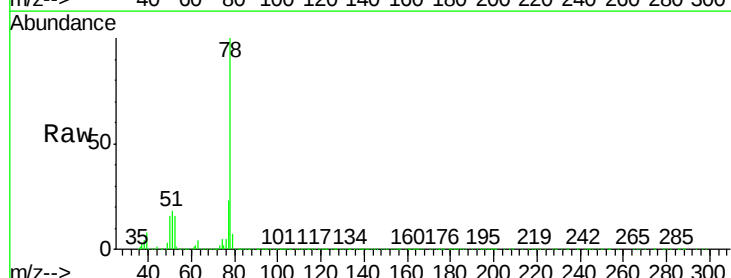
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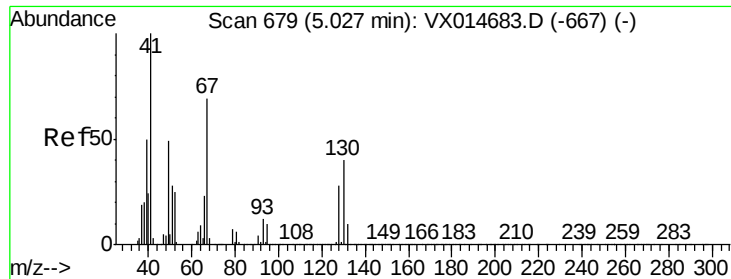
MMDadoda
2/6/2020 1:34:16 PM



#40
Benzene
Concen: 19.011 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.7	28.1





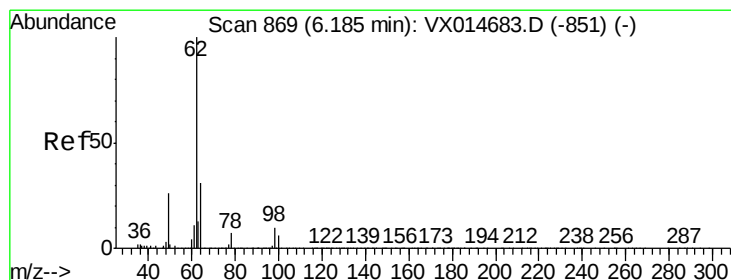
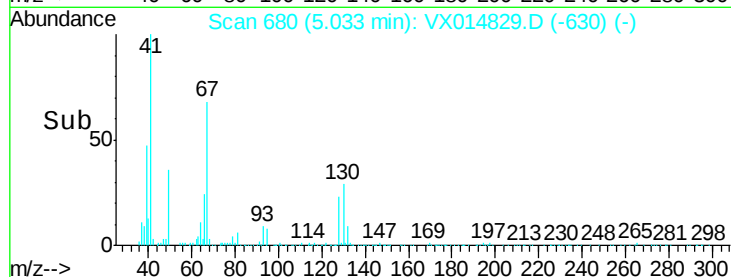
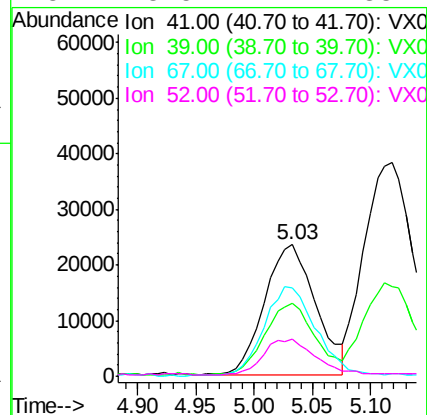
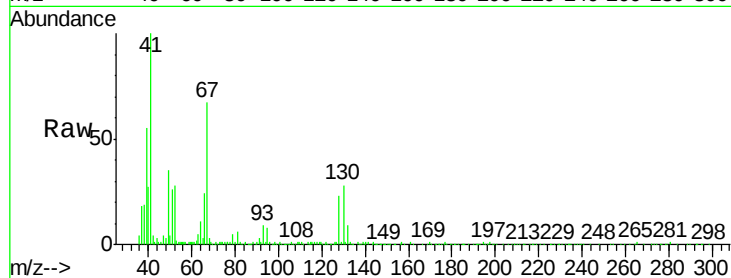
#41
Methacrylonitrile
Concen: 18.775 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	42.2	63.2	
67	72.0	55.4	83.0	
52	28.5	22.1	33.1	

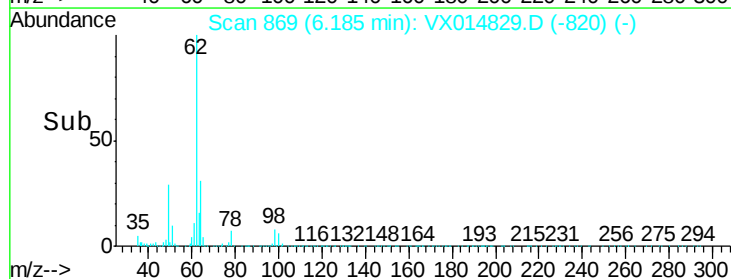
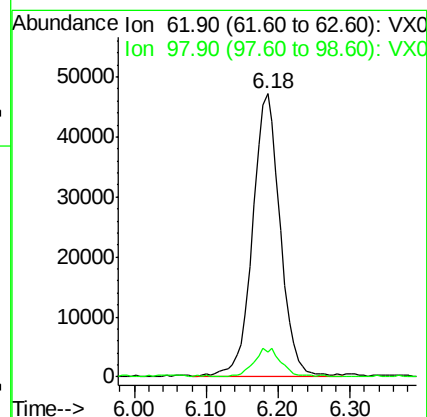
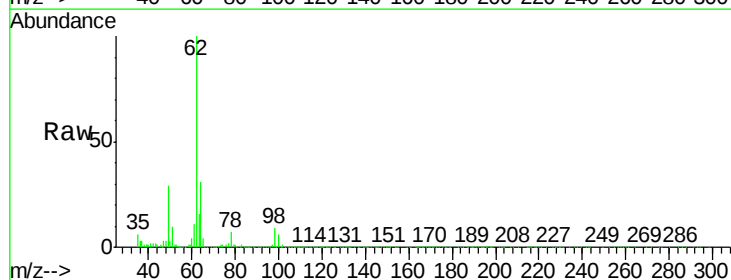
Manual Integrations
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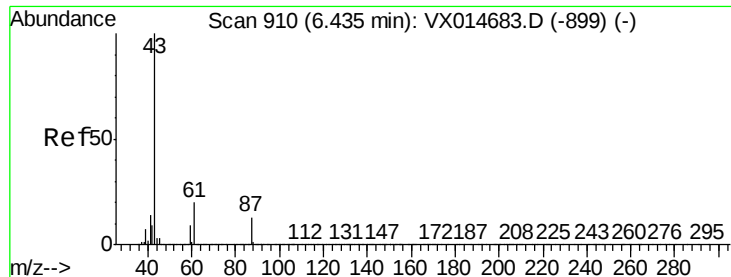
MMDadoda
2/6/2020 1:34:16 PM



#42
1,2-Dichloroethane
Concen: 20.402 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	20.0	





#43

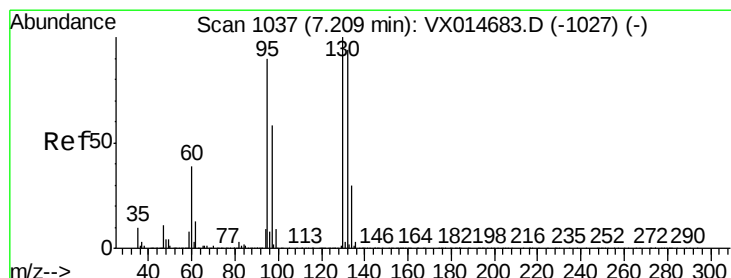
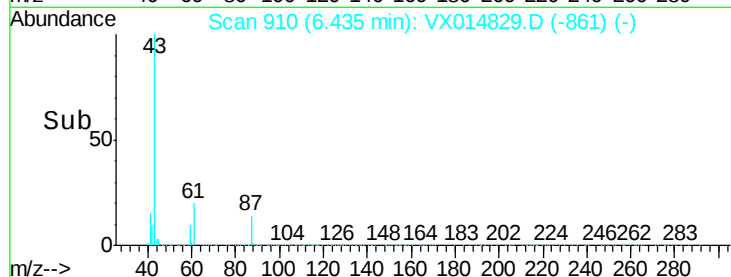
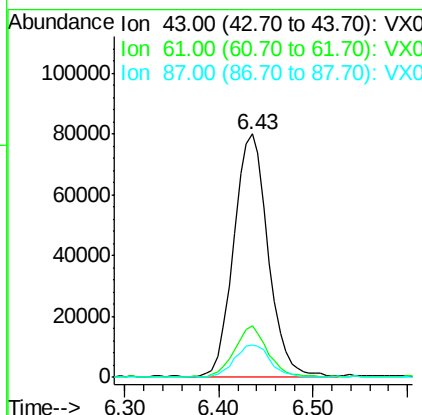
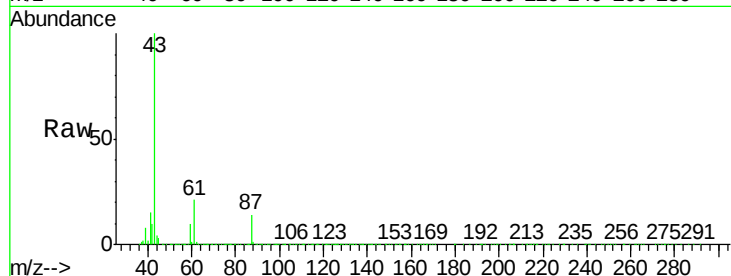
Isopropyl Acetate
 Concen: 18.837 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014829.D
 Acq: 05 Feb 2020 17:50

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0205WBSD02

Tot Ion	43	Resp	202500
Ion Ratio	Lower	Upper	
43	100		
61	19.9	16.2	24.4
87	14.1	10.5	15.7

Manual Integrations
 APPROVED

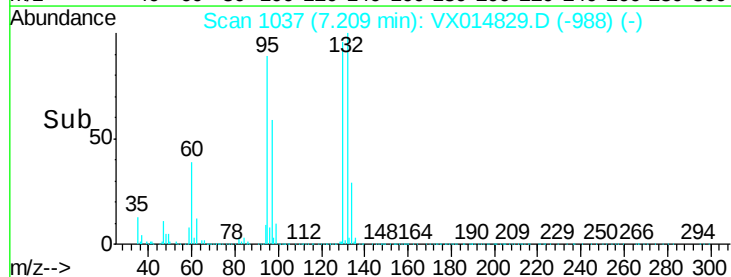
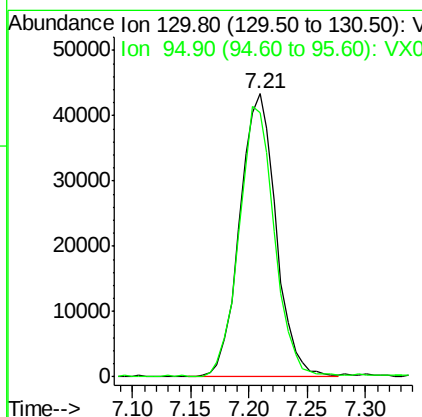
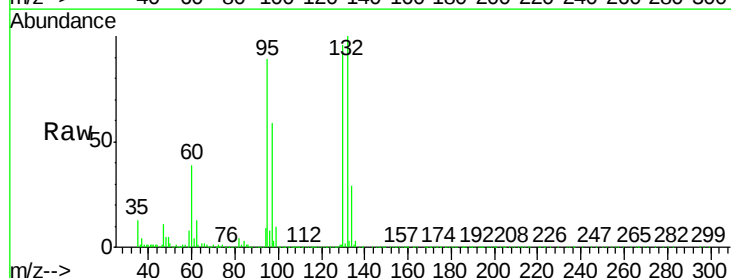
MMDadoda
 2/6/2020 1:34:16 PM

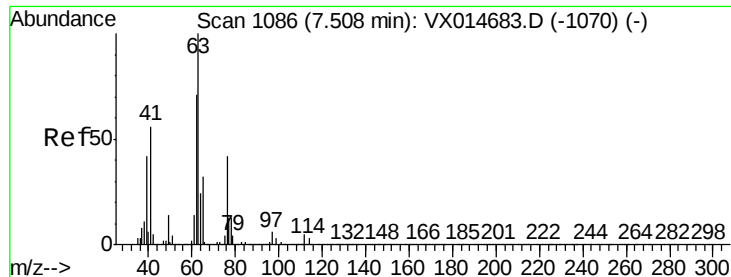


#44

Trichloroethene
 Concen: 18.808 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014829.D
 Acq: 05 Feb 2020 17:50

Tgt Ion	130	Resp	94085
Ion Ratio	Lower	Upper	
130	100		
95	93.0	0.0	179.8





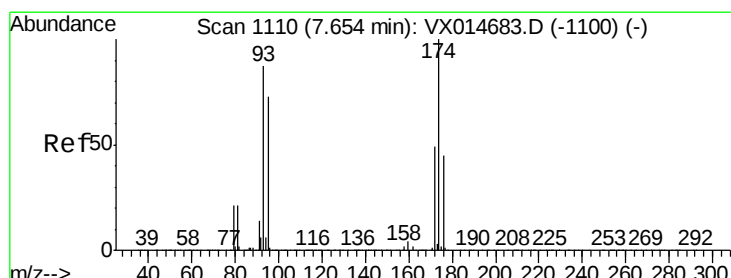
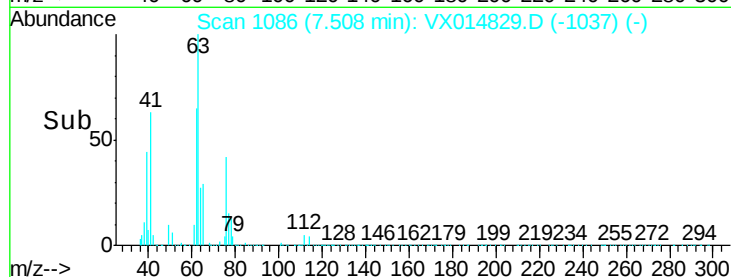
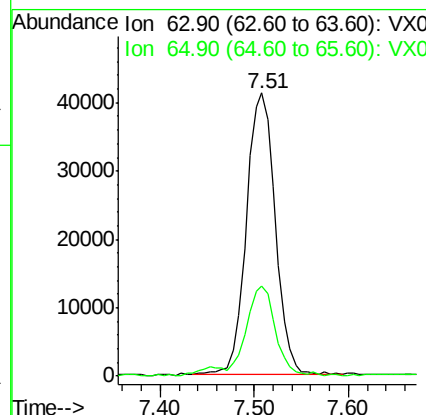
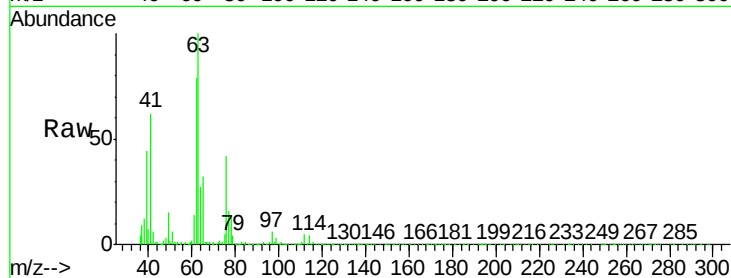
#45
 1,2-Dichloropropane
 Concen: 19.363 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014829.D
 Acq: 05 Feb 2020 17:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.2	37.8

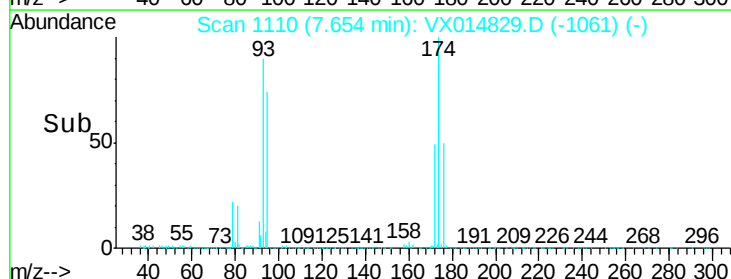
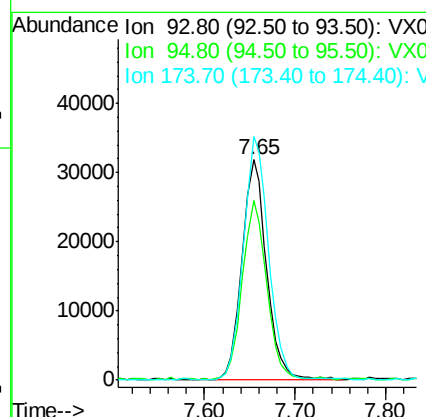
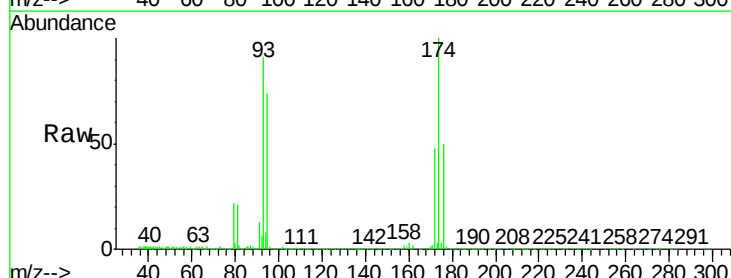
Manual Integrations
 APPROVED

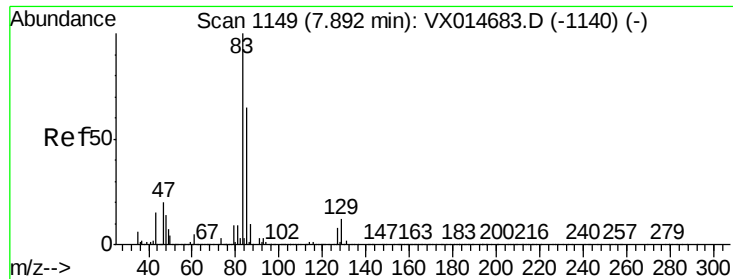
MMDadoda
 2/6/2020 1:34:16 PM



#46
 Dibromomethane
 Concen: 20.139 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014829.D
 Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.7	67.0	100.4
174	114.8	90.2	135.2





#47

Bromodichloromethane

Concen: 19.942 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

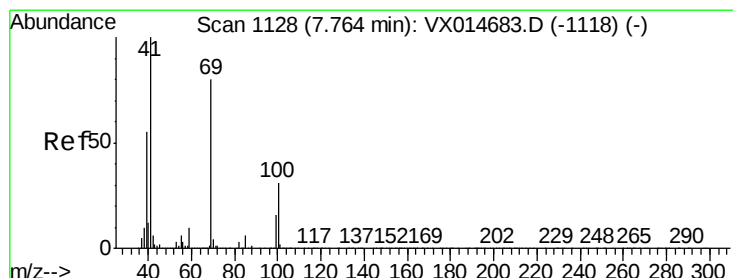
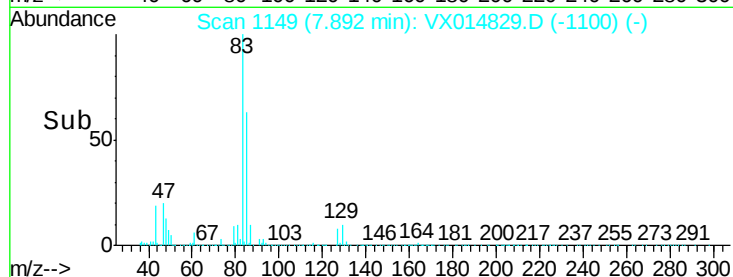
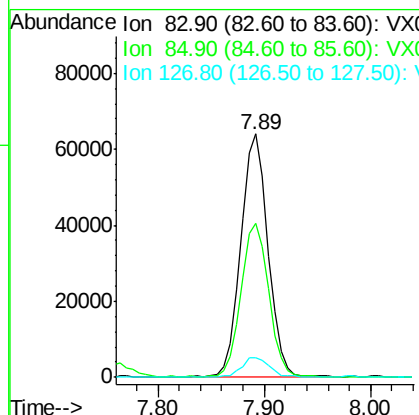
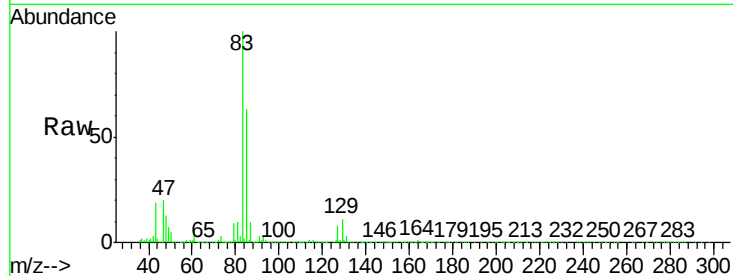
ClientSampleId :

VX0205WBSD02

Tot Ion:	83	Resp:	115574
Ion Ratio	Lower	Upper	
83	100		
85	63.2	52.2	78.2
127	8.2	6.4	9.6

Manual Integrations
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2/6/2020 1:34:16 PM



#48

Methyl methacrylate

Concen: 19.029 ug/l

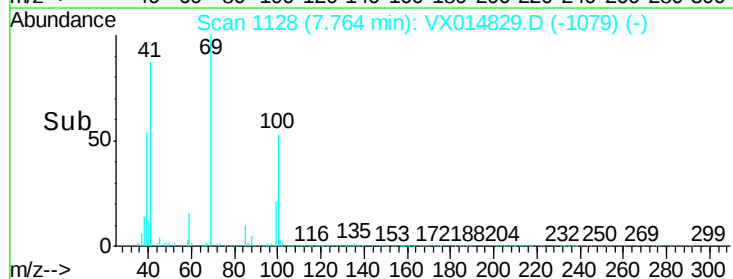
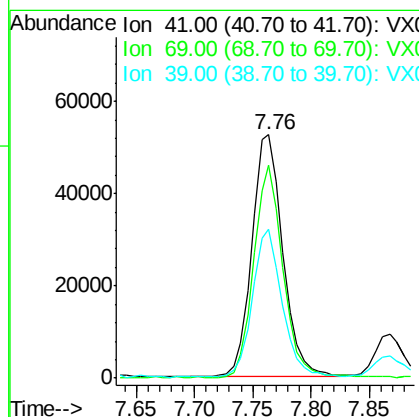
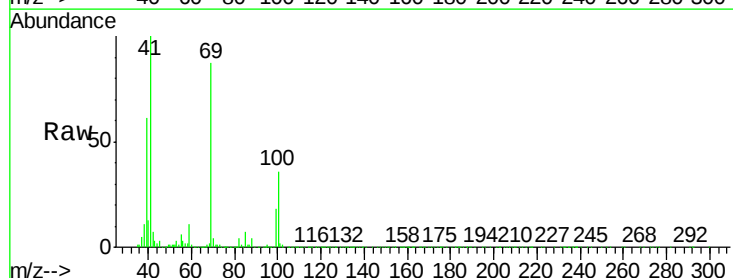
RT: 7.76 min Scan# 1128

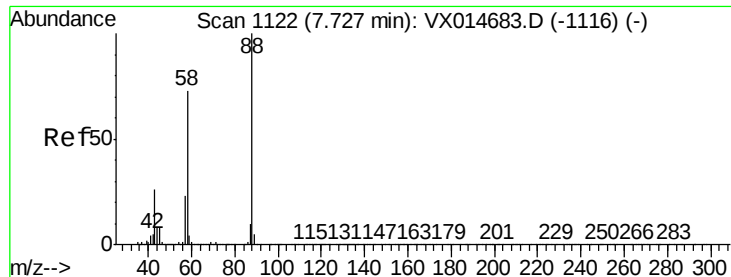
Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Tgt Ion:	41	Resp:	97740
Ion Ratio	Lower	Upper	
41	100		
69	82.3	63.5	95.3
39	58.4	43.7	65.5





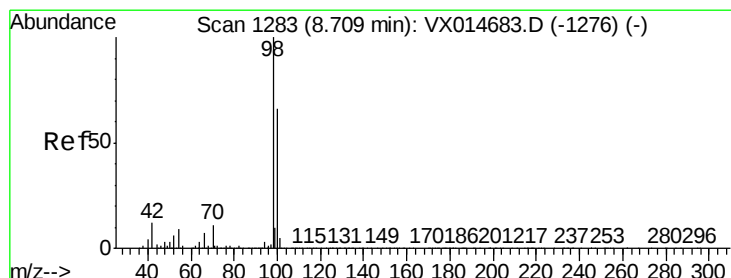
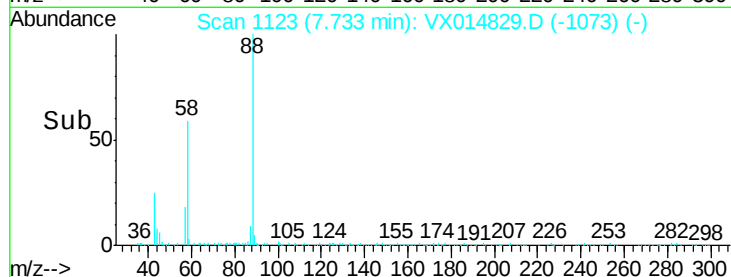
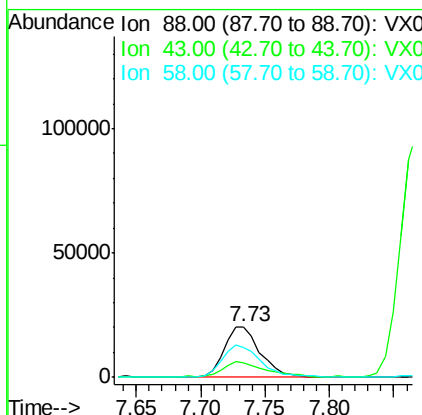
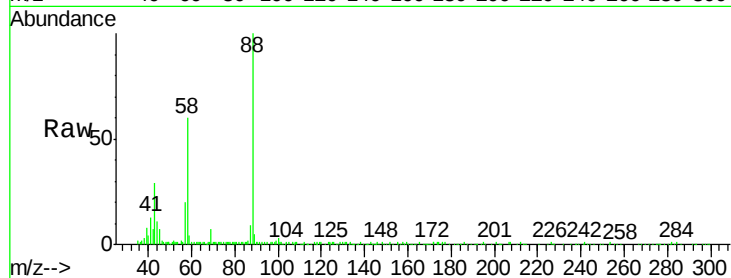
#49
1,4-Dioxane
Concen: 359.772 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampled :
VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	26.2	39.2
58	70.0	56.6	85.0

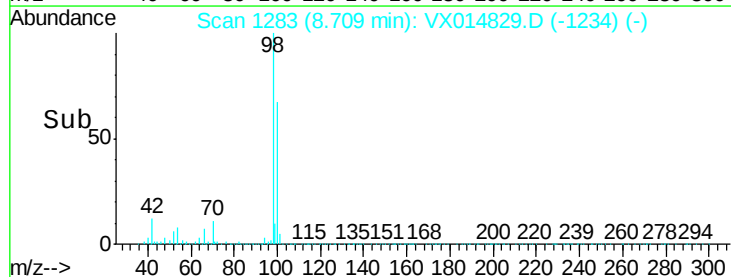
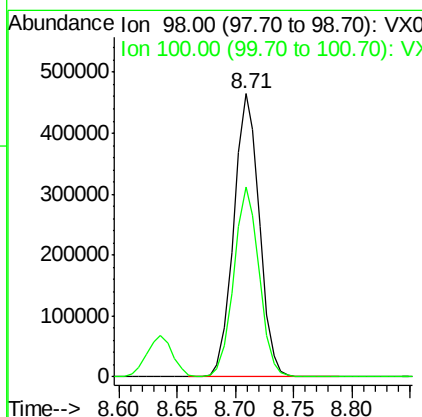
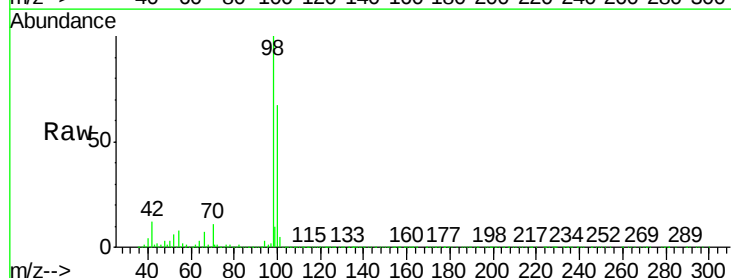
Manual Integrations
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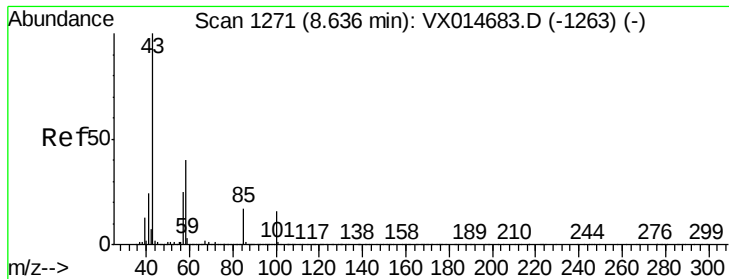
MMDadoda
2/6/2020 1:34:16 PM



#50
Toluene-d8
Concen: 47.595 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 94.473 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBSD02

Tot Ion: 43 Resp: 641000

Ion Ratio Lower Upper

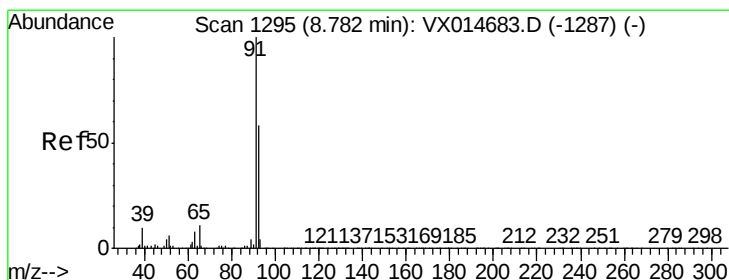
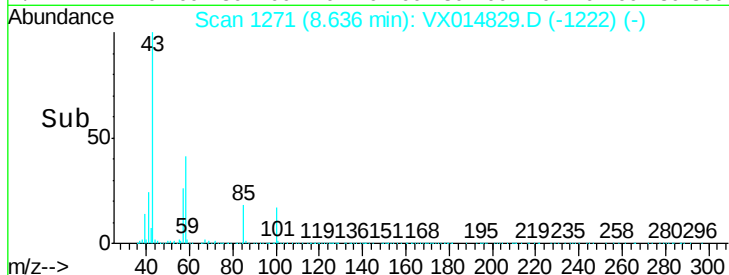
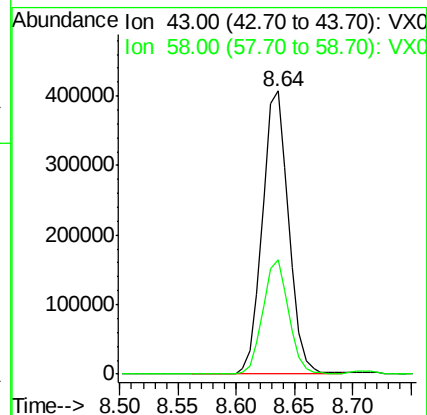
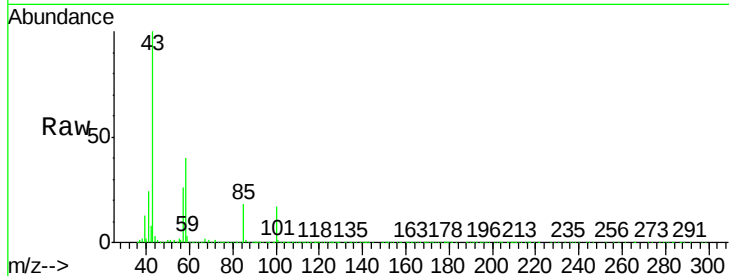
43 100

58 39.6 31.6 47.4

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#52

Toluene

Concen: 19.474 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014829.D

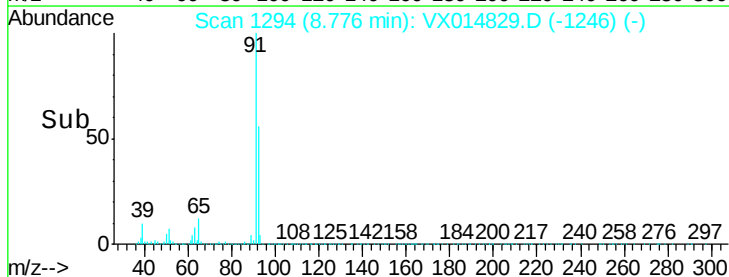
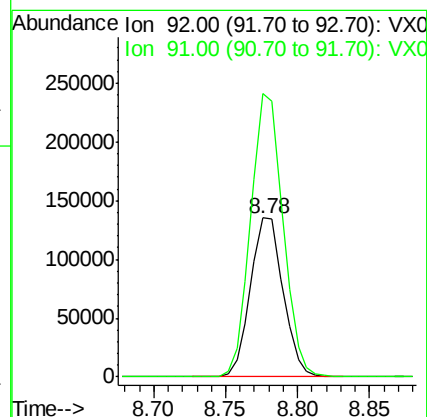
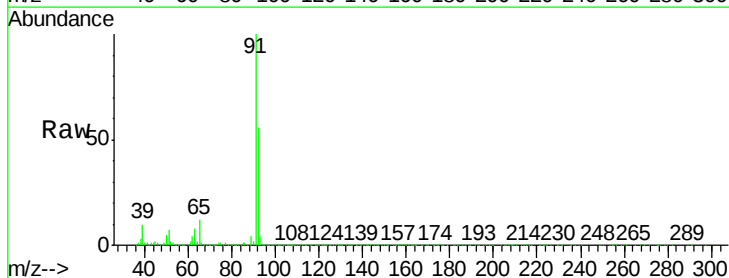
Acq: 05 Feb 2020 17:50

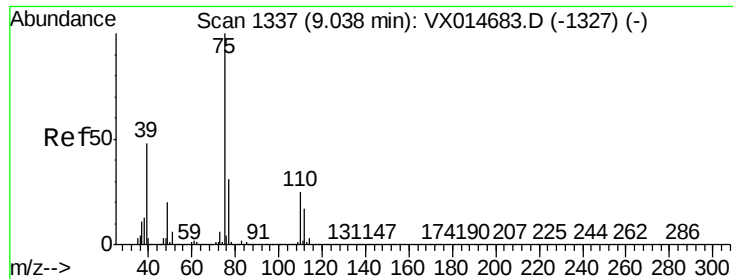
Tgt Ion: 92 Resp: 212008

Ion Ratio Lower Upper

92 100

91 176.4 135.9 203.9





#53

t-1,3-Dichloropropene

Concen: 19.891 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBSD02

Tot Ion: 75 Resp: 124129

Ion Ratio Lower Upper

75 100

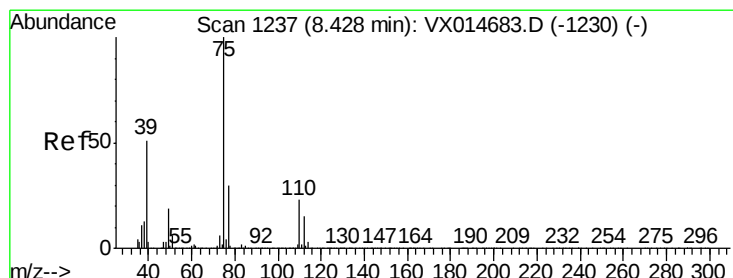
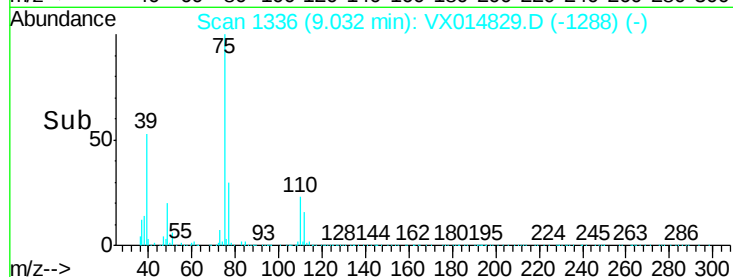
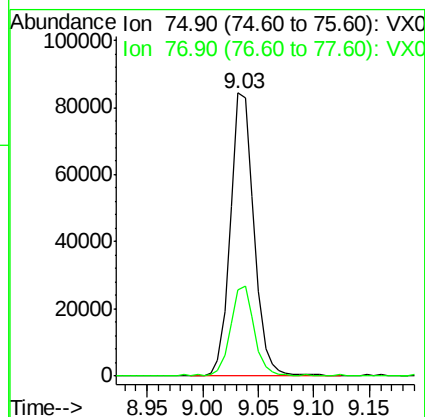
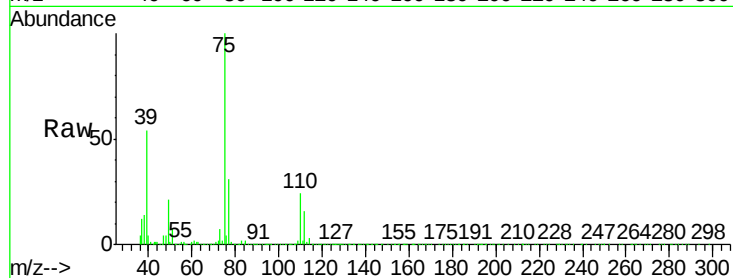
77 30.4 24.9 37.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.997 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

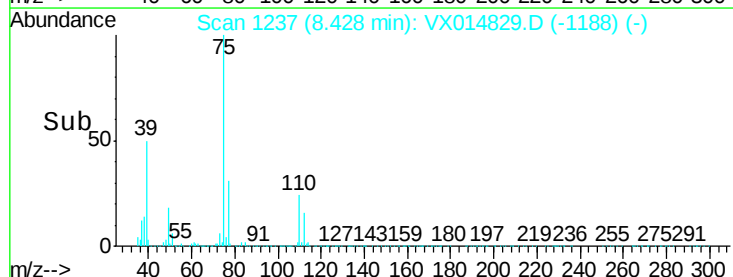
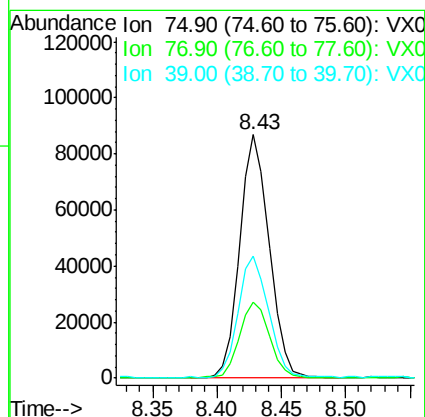
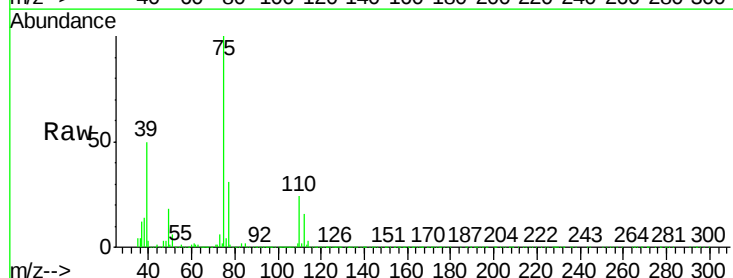
Tgt Ion: 75 Resp: 137283

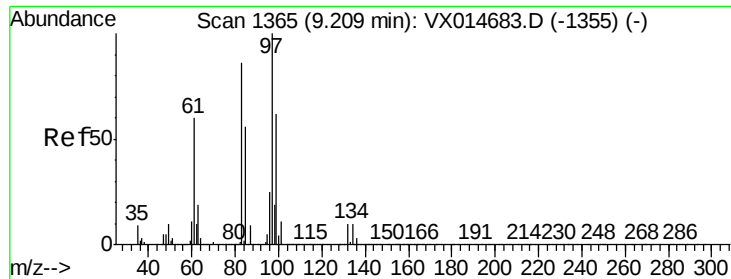
Ion Ratio Lower Upper

75 100

77 30.9 23.9 35.9

39 49.7 40.9 61.3





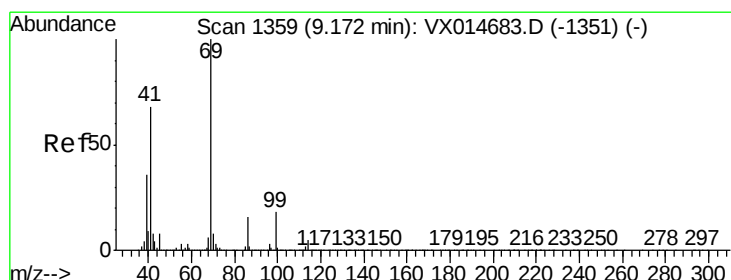
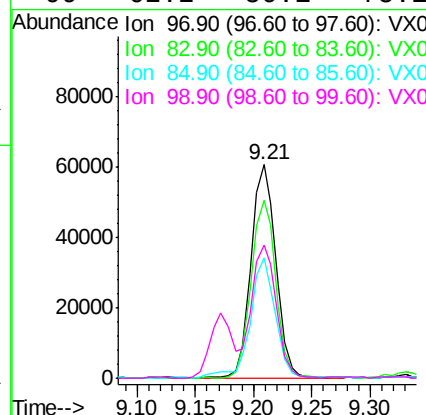
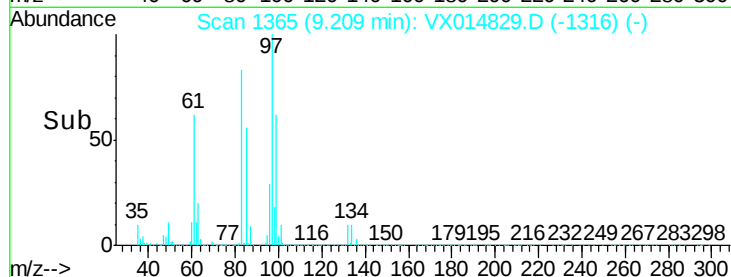
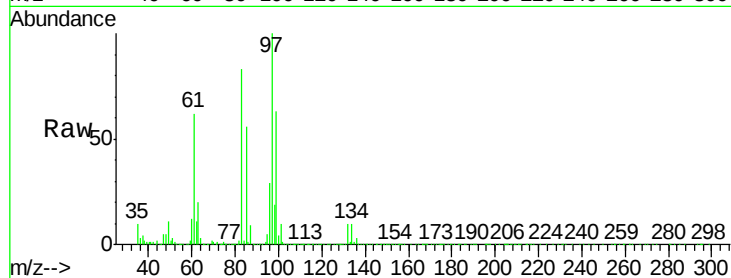
#55
 1,1,2-Trichloroethane
 Concen: 20.129 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014829.D
 Acq: 05 Feb 2020 17:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0205WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		89718		
83	83.1	69.2	103.8		
85	55.9	44.6	67.0		
99	62.2	50.1	75.1		

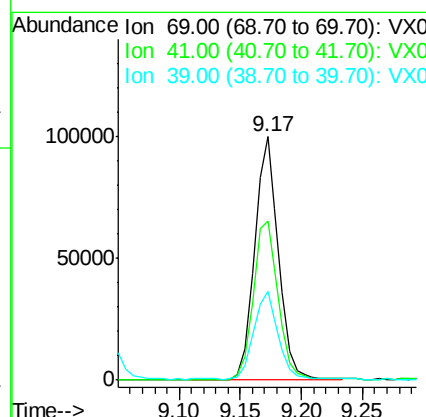
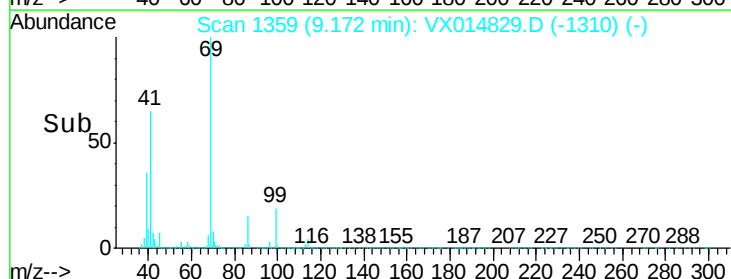
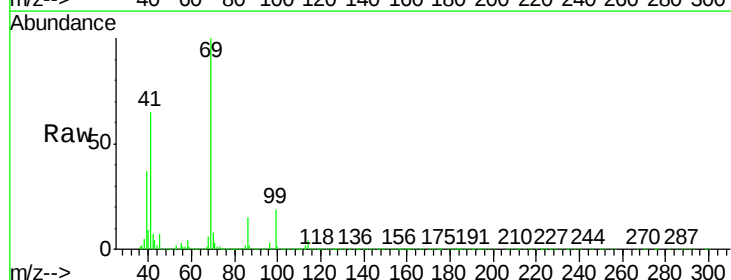
Manual Integrations
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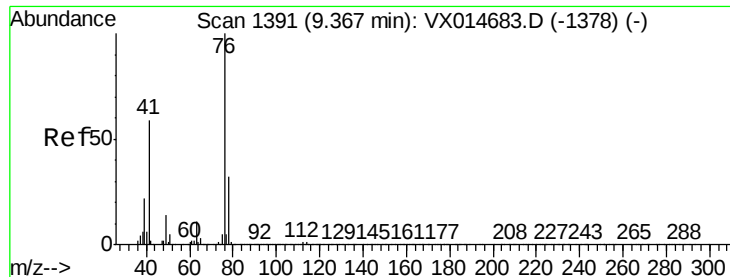
MMDadoda
 2/6/2020 1:34:16 PM



#56
 Ethyl methacrylate
 Concen: 18.917 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014829.D
 Acq: 05 Feb 2020 17:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		134251		
41	67.9	54.9	82.3		
39	36.8	29.3	43.9		





#57

1,3-Dichloropropane

Concen: 20.091 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBSD02

Tot Ion: 76 Resp: 153085

Ion Ratio Lower Upper

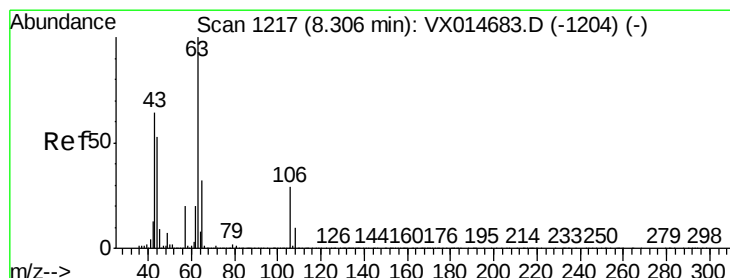
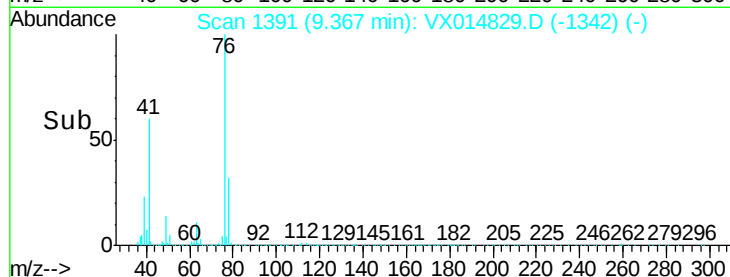
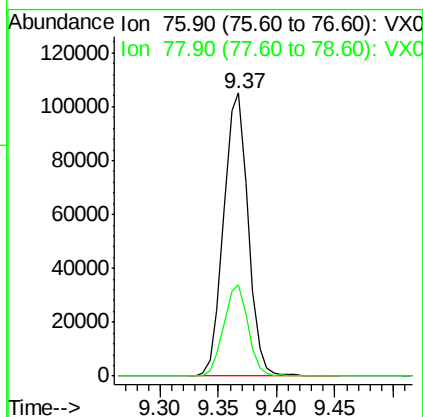
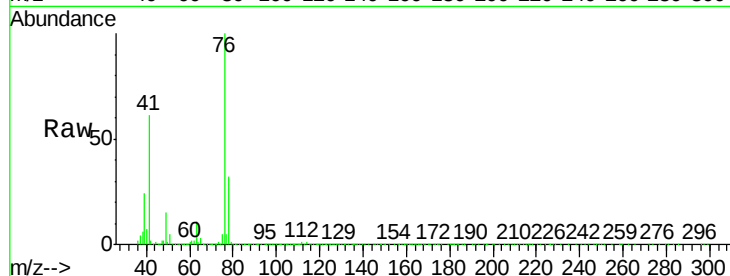
76 100

78 31.6 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

2/6/2020 1:34:16 PM



#58

2-Chloroethyl Vinyl ether

Concen: 95.501 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014829.D

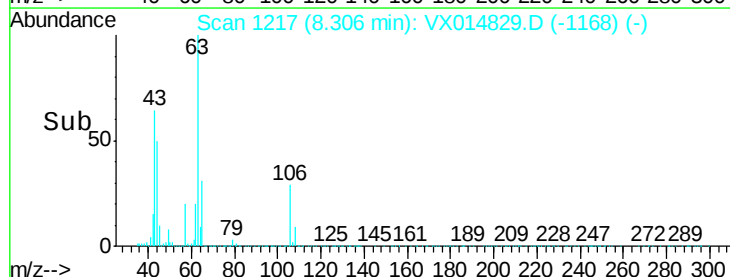
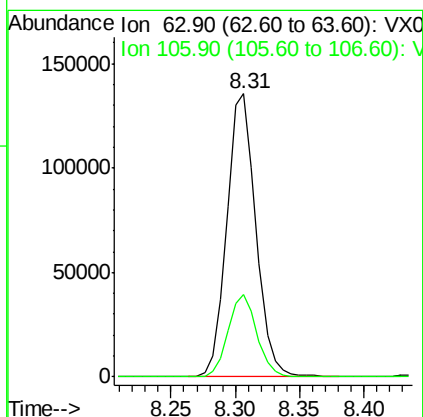
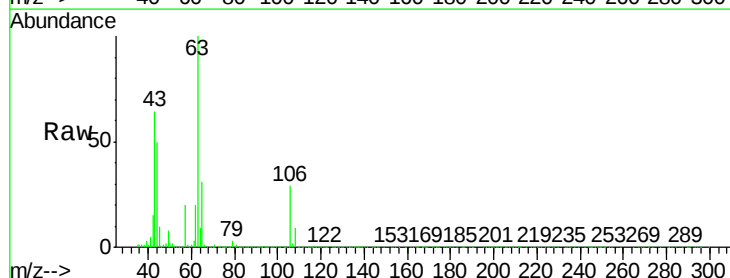
Acq: 05 Feb 2020 17:50

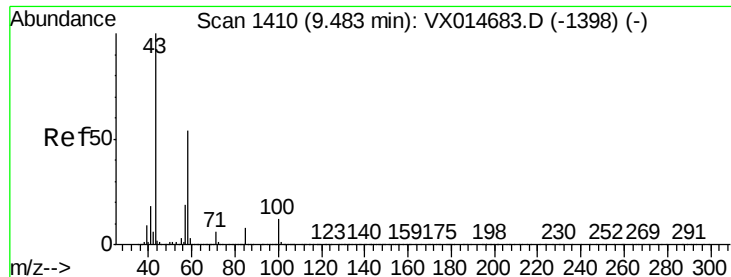
Tgt Ion: 63 Resp: 214072

Ion Ratio Lower Upper

63 100

106 28.7 22.7 34.1





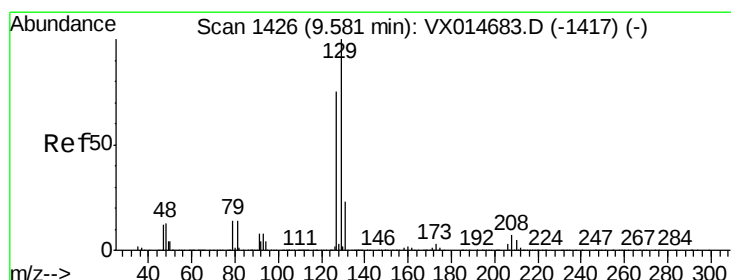
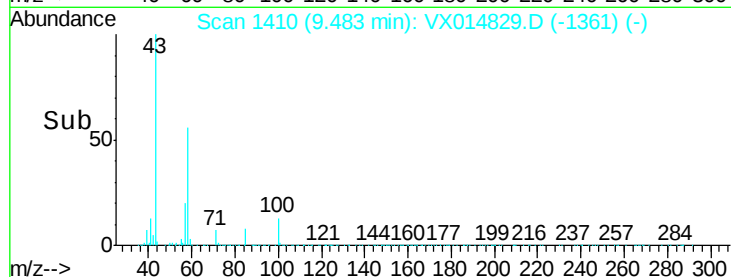
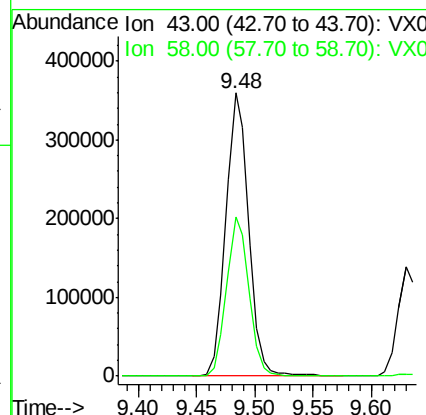
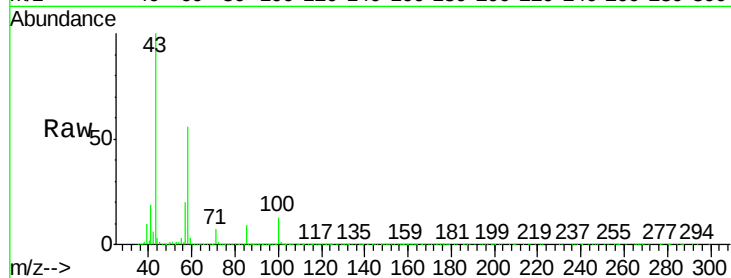
#59
2-Hexanone
Concen: 92.051 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	27.2	81.5

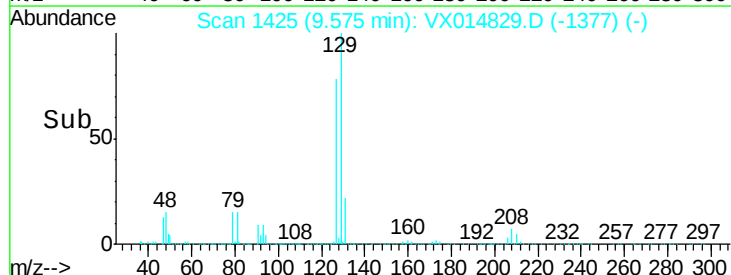
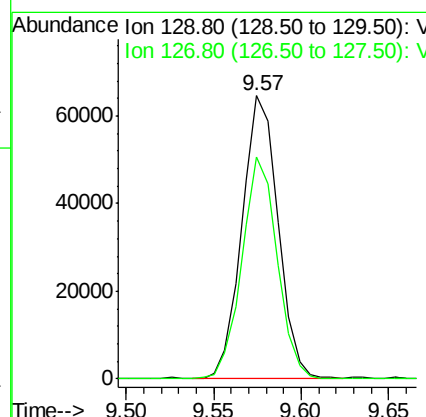
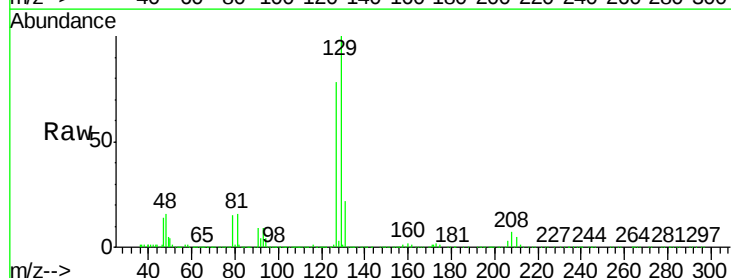
Manual Integrations
APPROVED

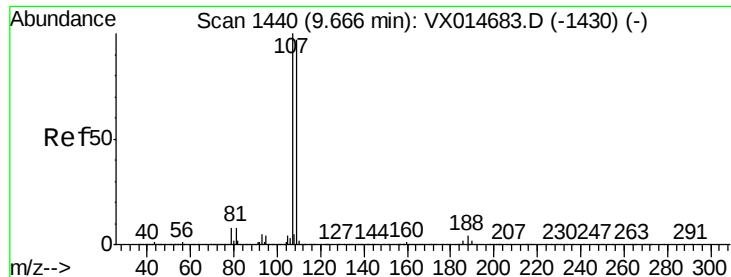
MMDadoda
2/6/2020 1:34:16 PM



#60
Dibromochloromethane
Concen: 19.894 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.5	115.5





#61

1,2-Dibromoethane

Concen: 19.746 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBSD02

Tot Ion: 107 Resp: 93054

Ion Ratio Lower Upper

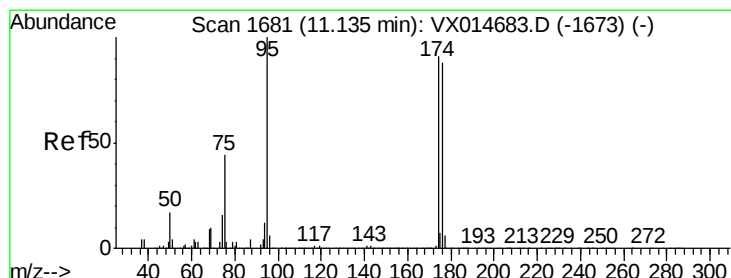
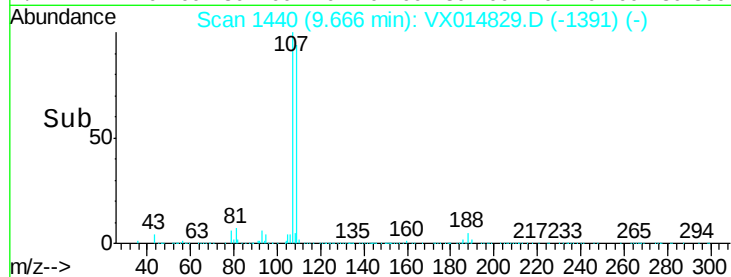
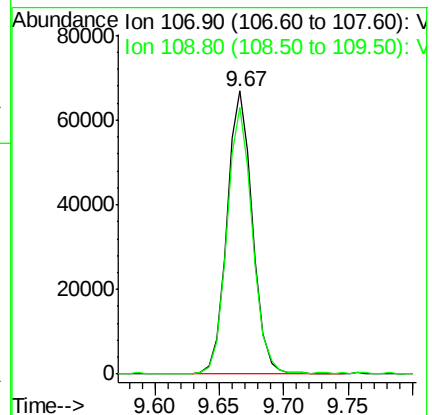
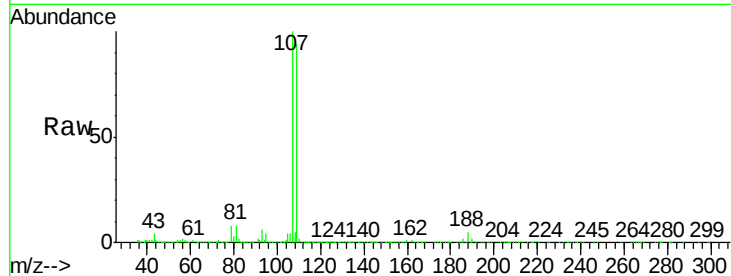
107 100

109 94.2 76.2 114.2

Manual Integrations
APPROVED

MMDadoda

2/6/2020 1:34:16 PM



#62

4-Bromofluorobenzene

Concen: 47.194 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

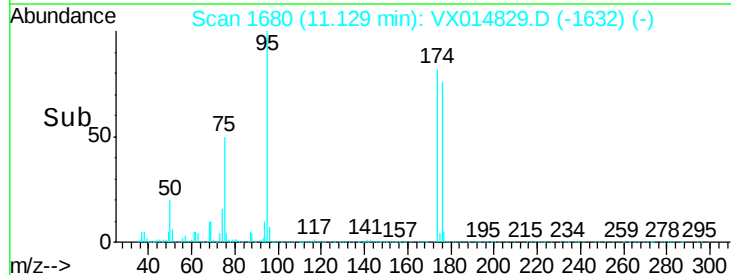
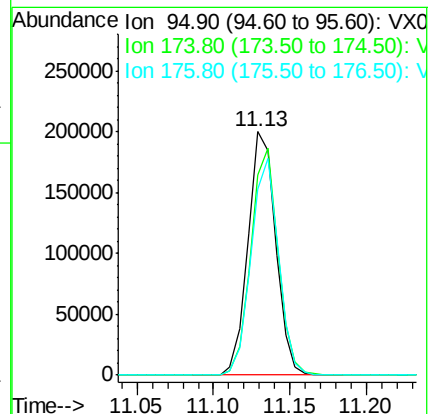
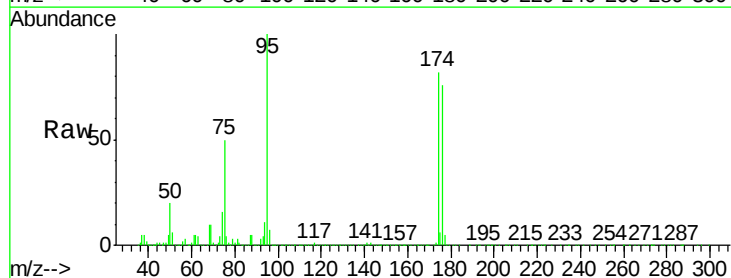
Tgt Ion: 95 Resp: 251564

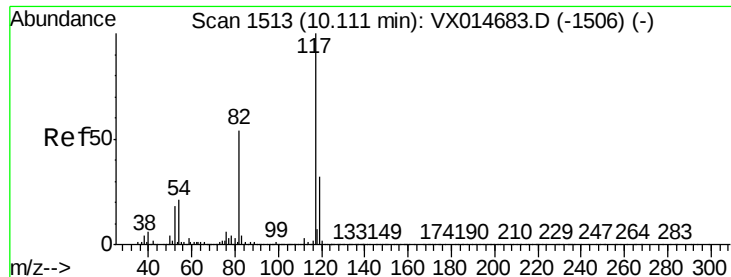
Ion Ratio Lower Upper

95 100

174 91.3 0.0 176.0

176 88.0 0.0 172.2





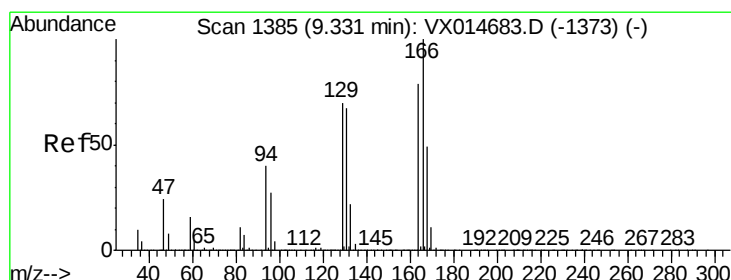
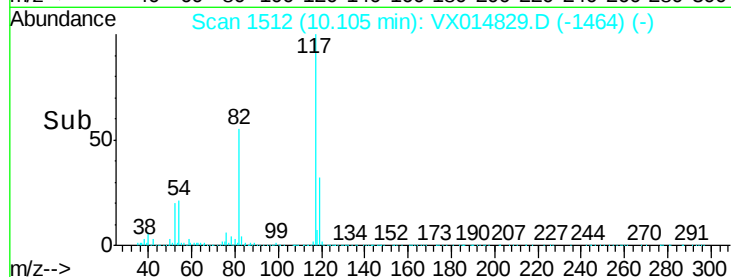
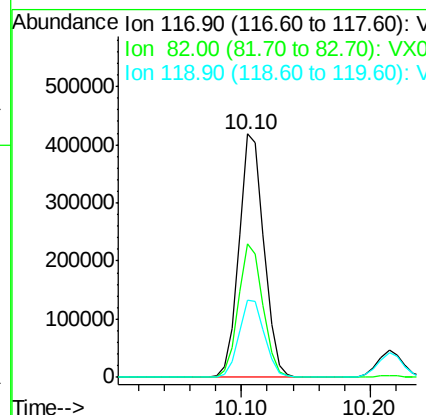
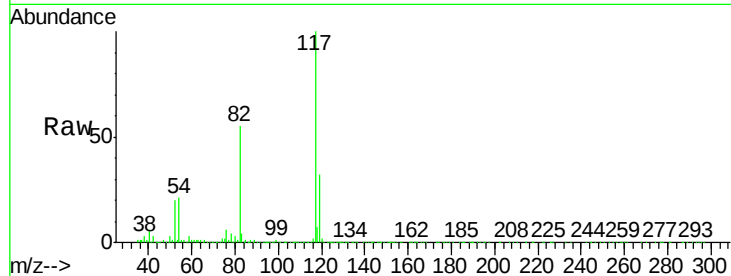
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.2	64.8
119	31.8	25.8	38.6

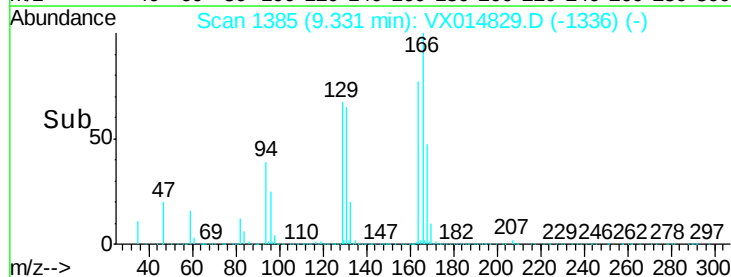
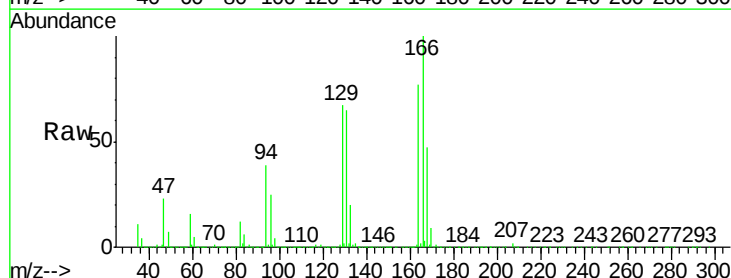
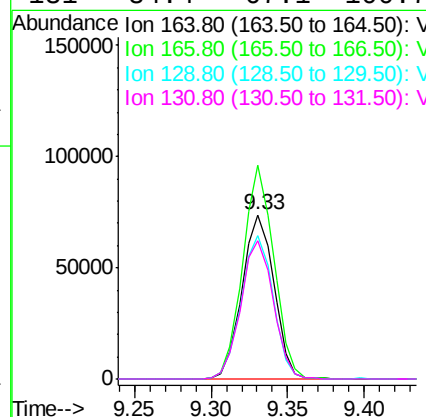
Manual Integrations
APPROVED

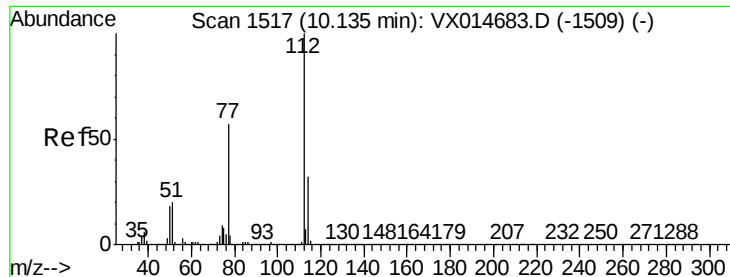
MMDadoda
2/6/2020 1:34:16 PM



#64
Tetrachloroethene
Concen: 19.261 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	100.9	151.3
129	87.7	71.0	106.6
131	84.4	67.1	100.7





#65

Chlorobenzene

Concen: 19.456 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBSD02

Tot Ion:112 Resp: 233977

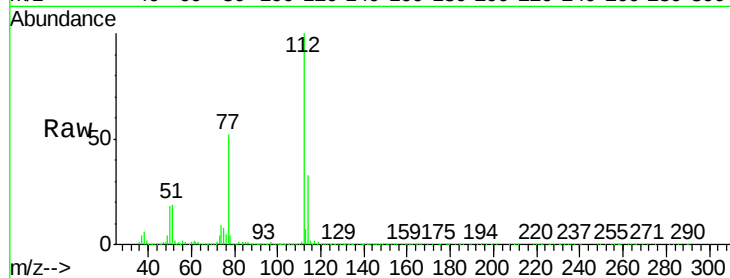
Ion Ratio Lower Upper

112 100

114 33.2 25.8 38.8

Manual Integrations
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MMDadoda
2/6/2020 1:34:16 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

200000

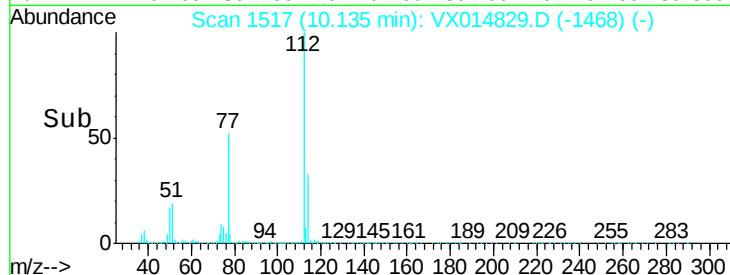
150000

100000

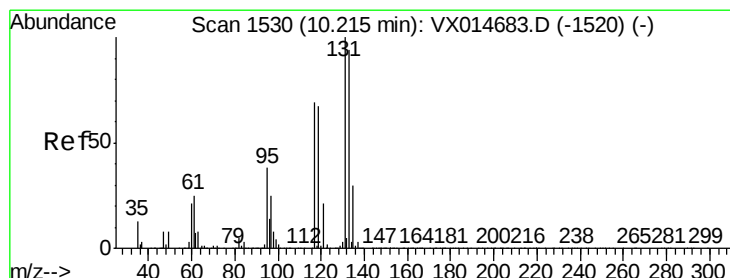
50000

0

10.10 10.14 10.20



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.869 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

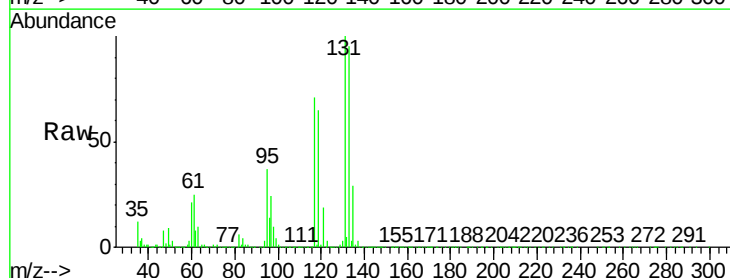
Tgt Ion:131 Resp: 88100

Ion Ratio Lower Upper

131 100

133 95.1 47.4 142.3

119 64.8 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

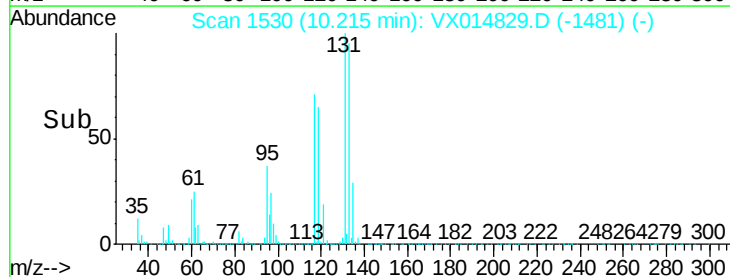
150000

100000

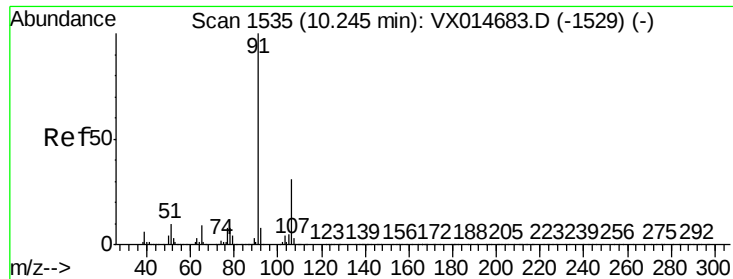
50000

0

10.15 10.20 10.25



Time-->



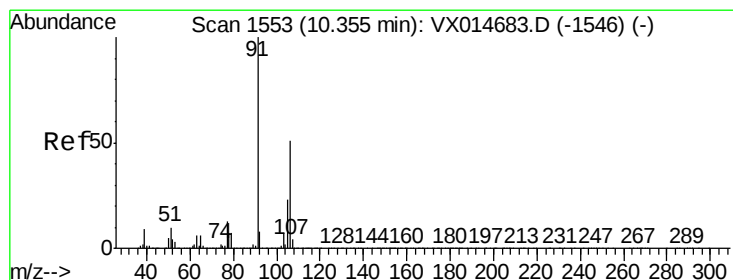
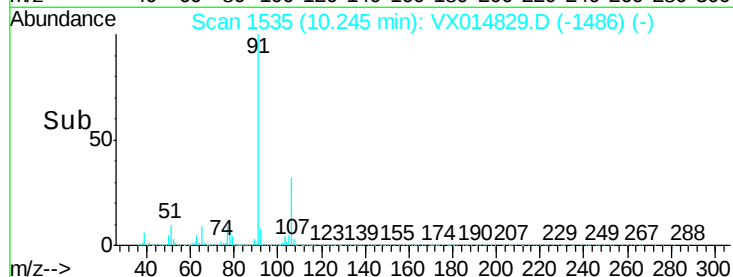
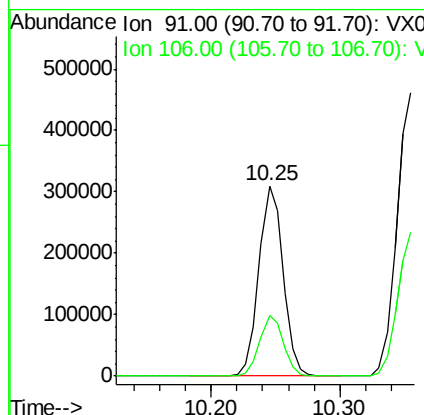
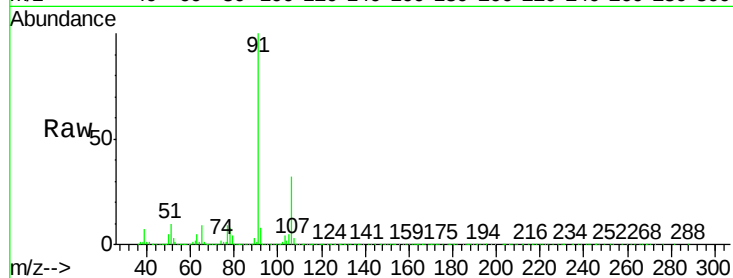
#67
Ethyl Benzene
Concen: 19.452 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleID :
VX0205WBSD02

Tot Ion: 91 Resp: 399430
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3

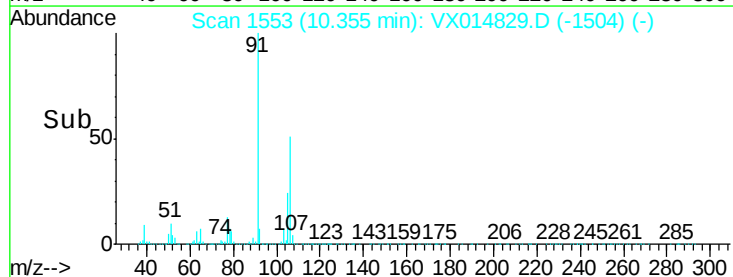
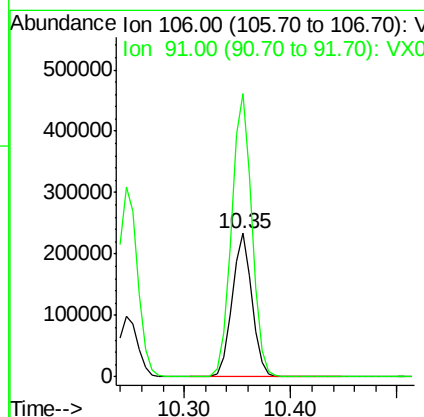
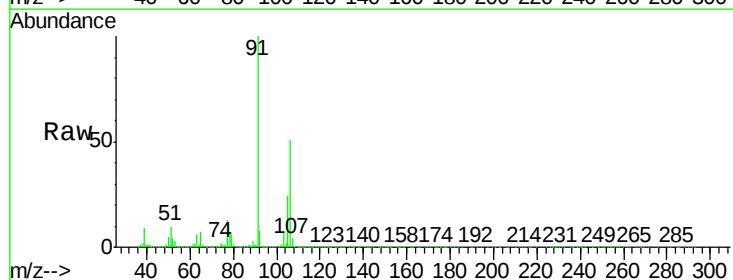
Manual Integrations
APPROVED

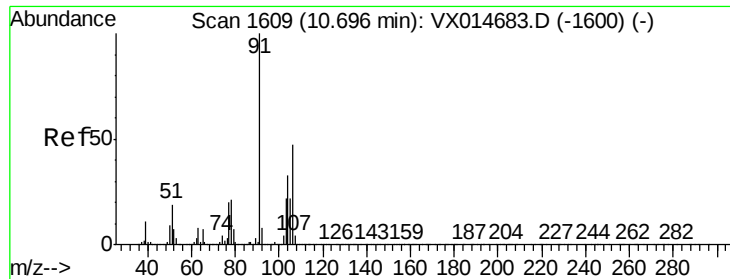
MMDadoda
2/6/2020 1:34:16 PM



#68
m/p-Xylenes
Concen: 39.099 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion: 106 Resp: 304158
Ion Ratio Lower Upper
106 100
91 202.7 159.4 239.2





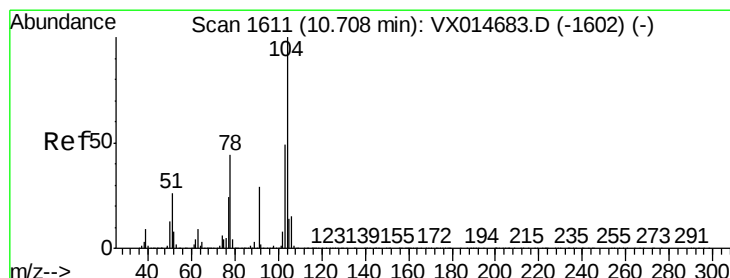
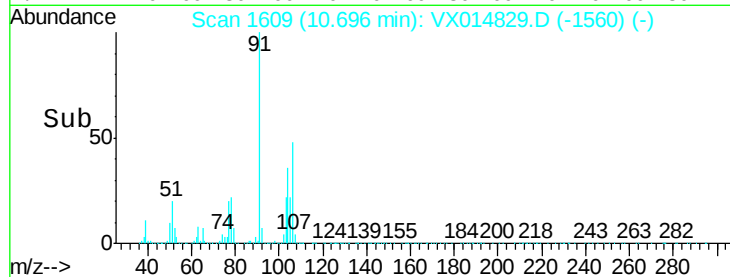
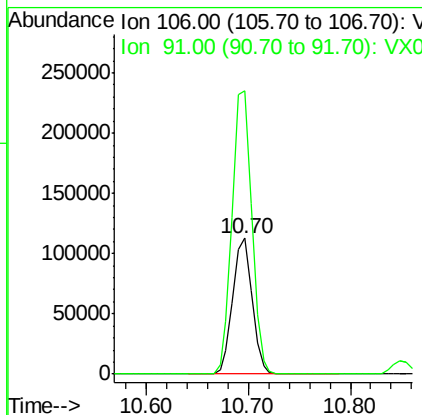
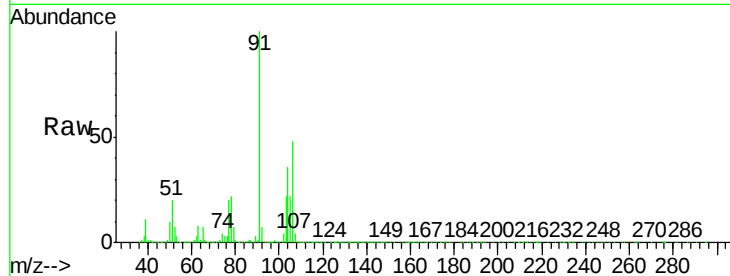
#69
o-Xylene
Concen: 19.685 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleID :
VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.1	106.2	318.6

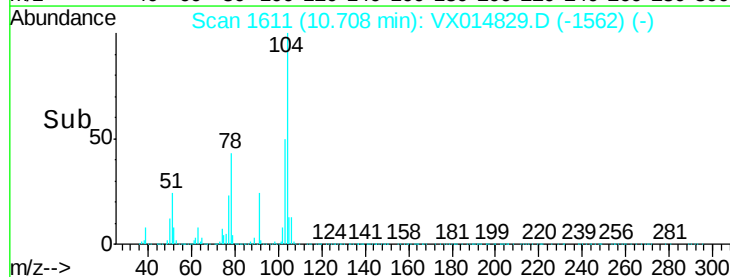
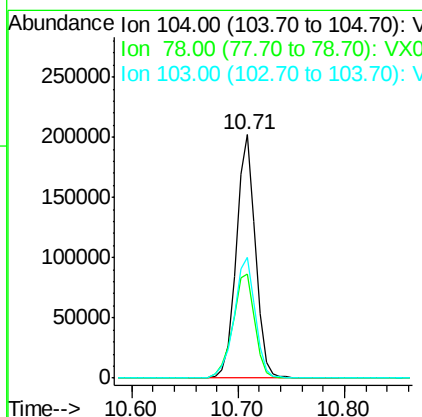
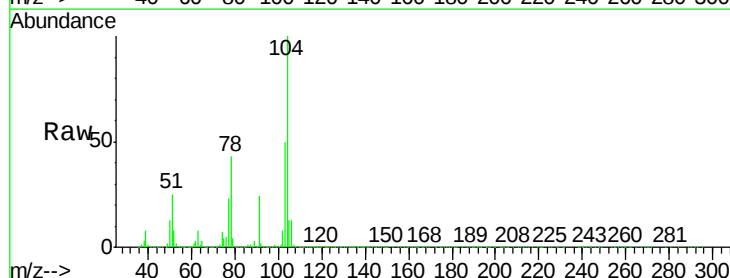
Manual Integrations
APPROVED

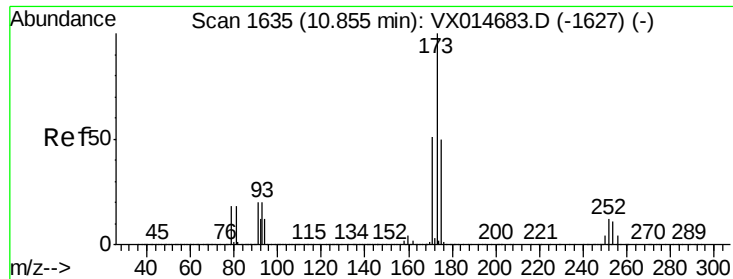
MMDadoda
2/6/2020 1:34:16 PM



#70
Styrene
Concen: 20.168 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	39.3	58.9
103	54.7	43.5	65.3





#71

Bromoform

Concen: 19.671 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

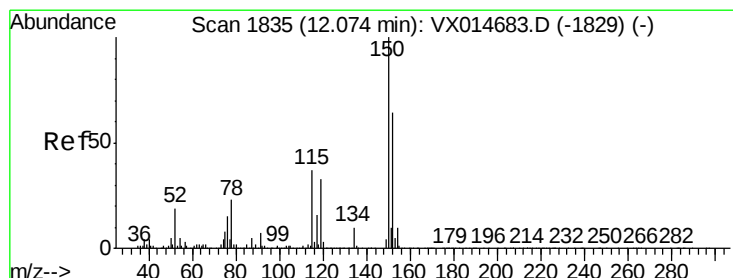
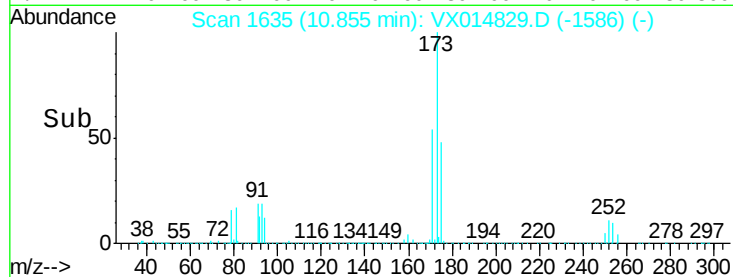
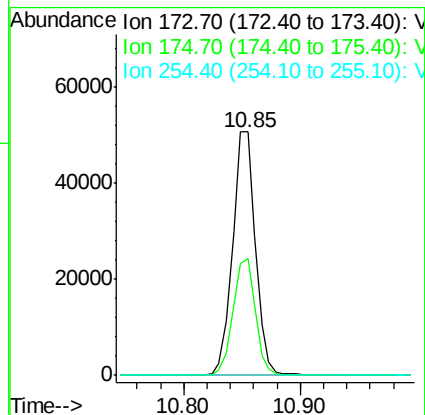
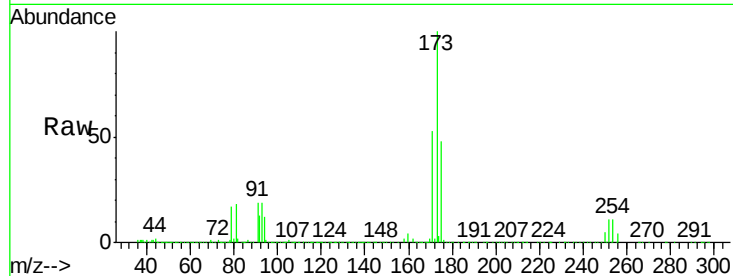
ClientSampleId :

VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.6	73.6
254	0.4	0.1	0.1#

Manual Integrations
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2/6/2020 1:34:16 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

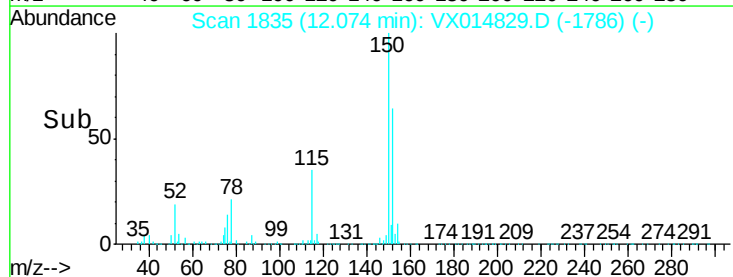
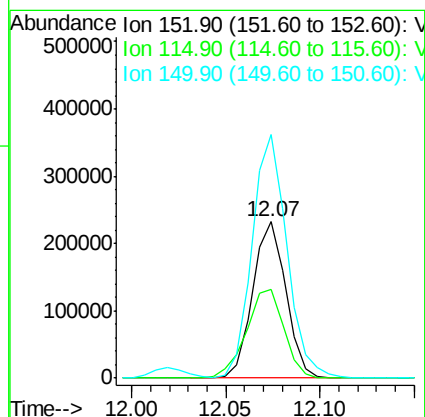
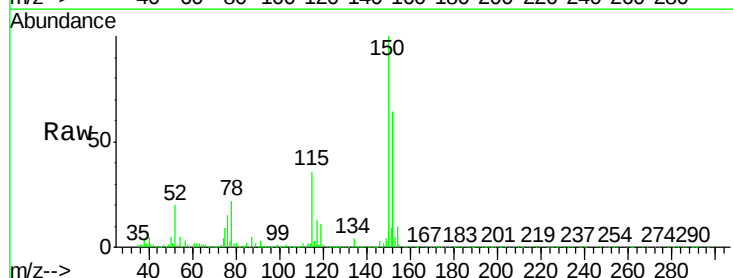
RT: 12.07 min Scan# 1835

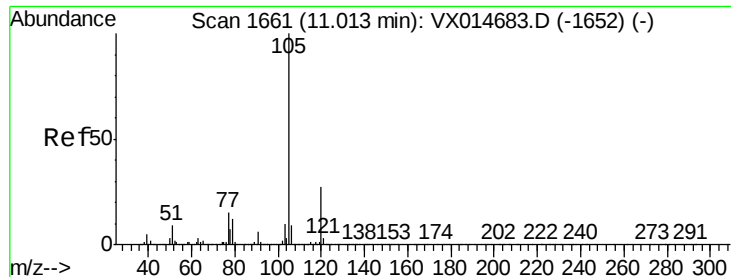
Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.7	39.4	118.1
150	163.3	0.0	351.2





#73

Isopropylbenzene

Concen: 19.971 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBSD02

Tot Ion: 105 Resp: 397450

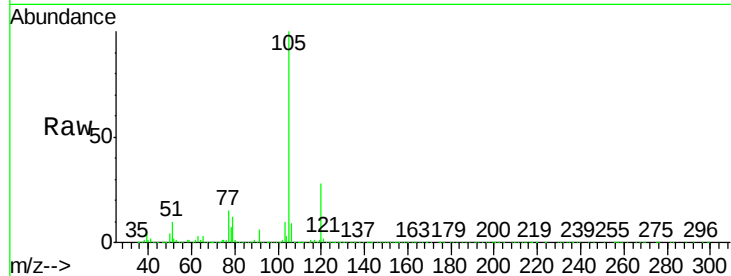
Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5

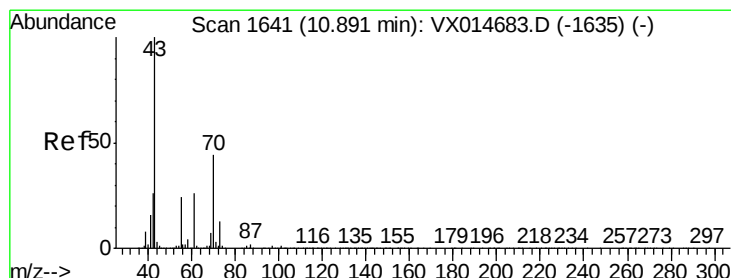
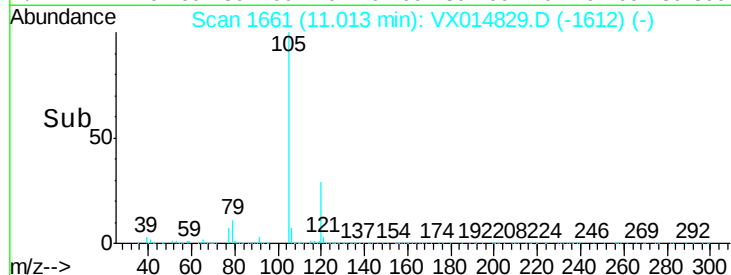
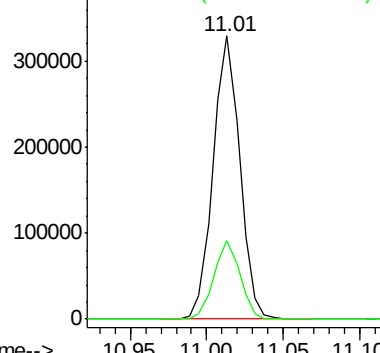
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.640 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Tgt Ion: 43 Resp: 171278

Ion Ratio Lower Upper

43 100

70 43.4 34.6 52.0

55 24.6 19.4 29.2

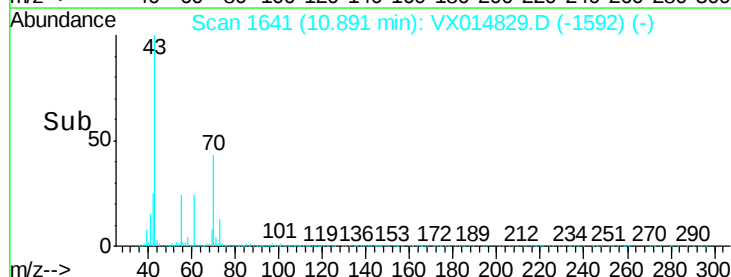
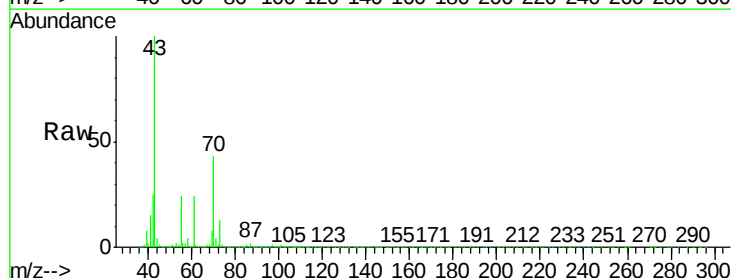
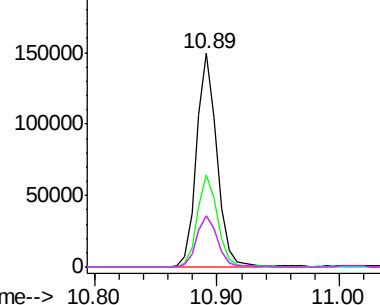
61 24.5 19.8 29.6

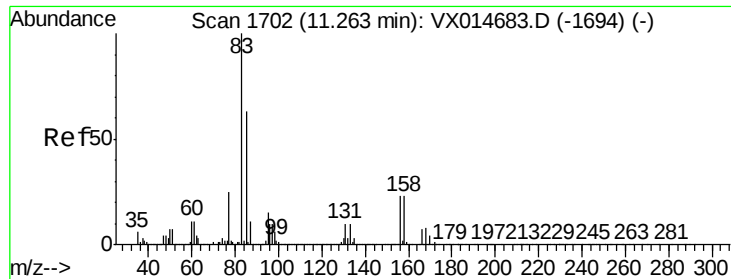
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.588 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

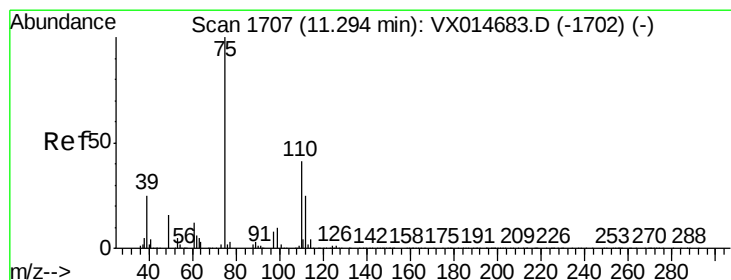
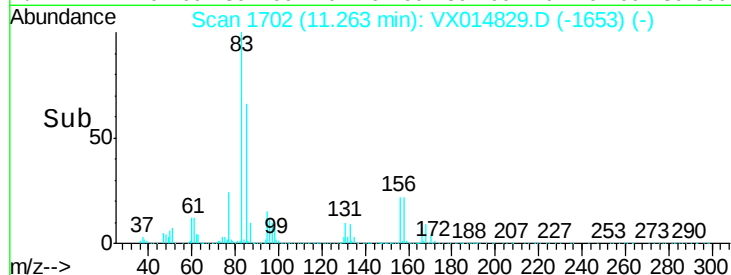
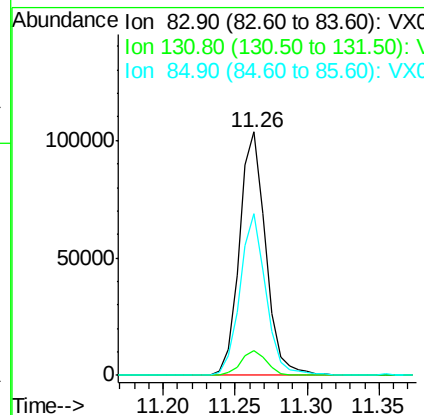
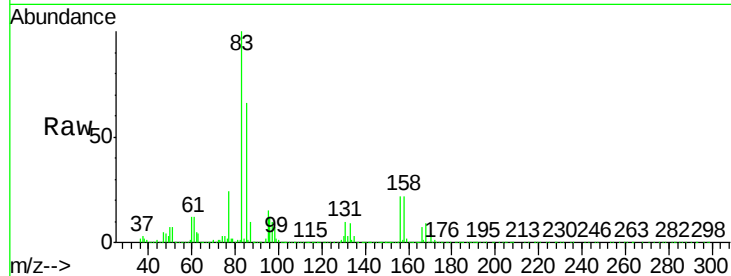
ClientSampleId :

VX0205WBSD02

Tot Ion:	83	Resp:	132079
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	15.0
85	65.5	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.808 ug/l m

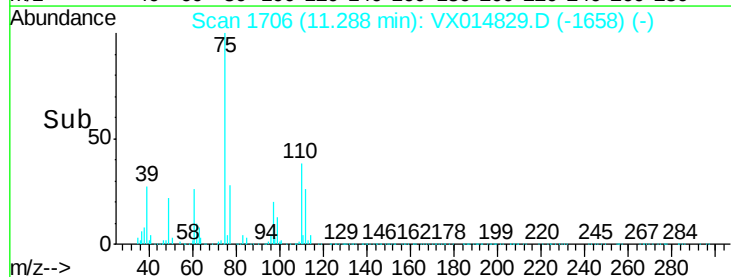
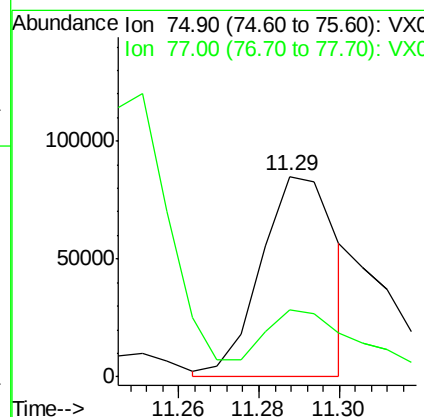
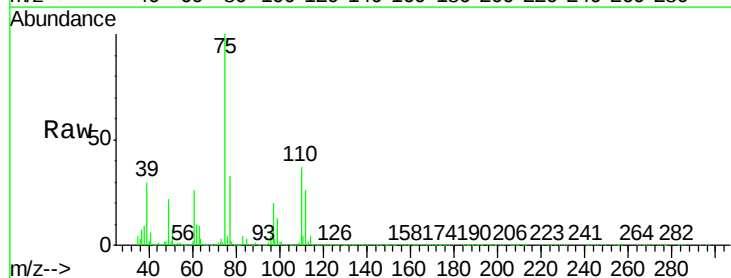
RT: 11.29 min Scan# 1706

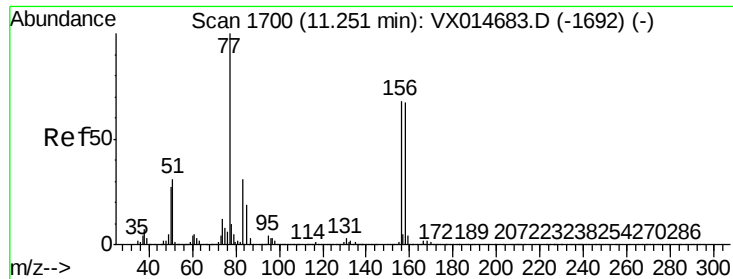
Delta R.T. -0.01 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Tgt Ion:	75	Resp:	110680
Ion Ratio	Lower	Upper	
75	100		
77	41.9	18.7	56.1





#77

Bromobenzene

Concen: 19.988 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

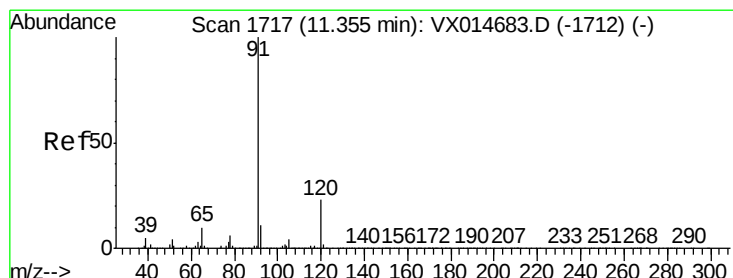
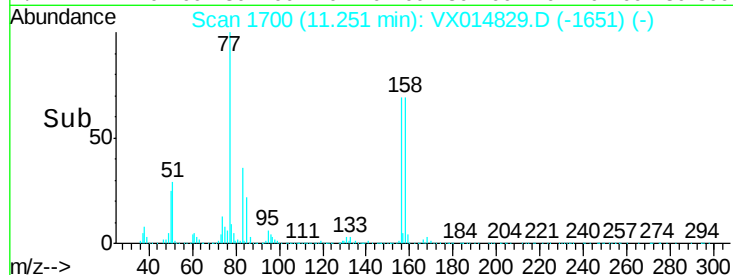
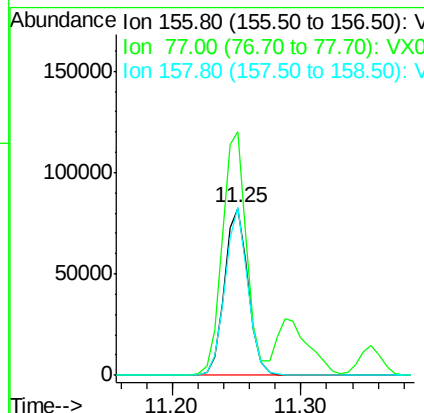
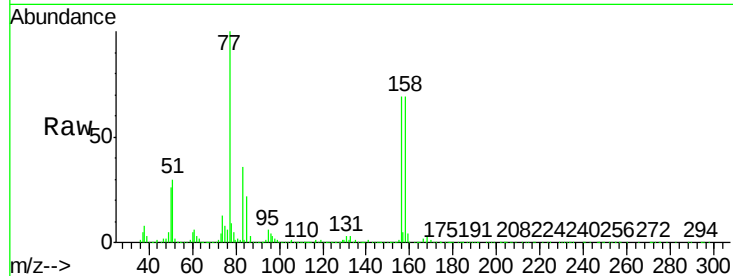
ClientSampleId :

VX0205WBSD02

Tot Ion:	156	Resp:	106864
Ion Ratio	Lower	Upper	
156	100		
77	150.2	77.5	232.5
158	97.6	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 19.777 ug/l

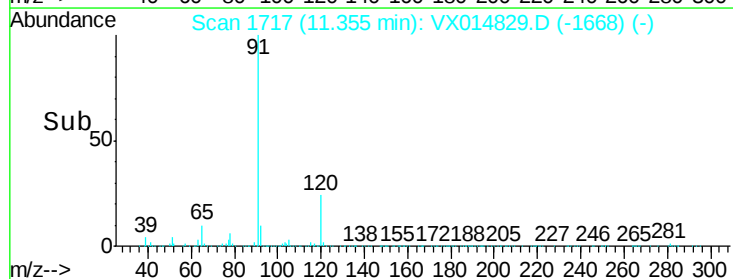
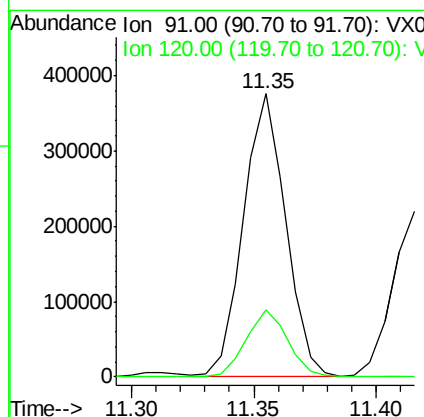
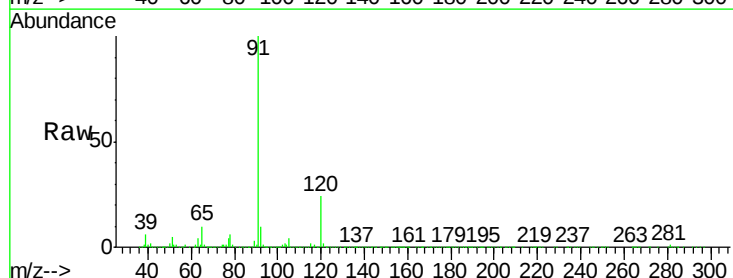
RT: 11.35 min Scan# 1717

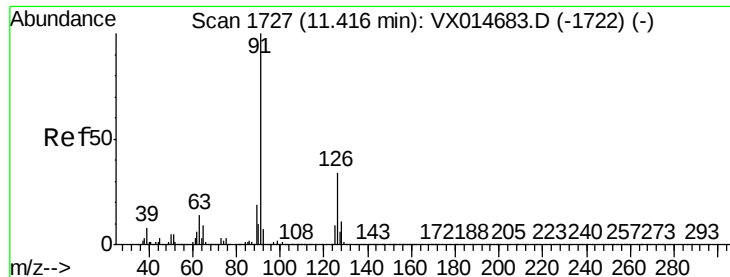
Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Tgt Ion:	91	Resp:	446759
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.7	35.0





#79

2-Chlorotoluene

Concen: 19.342 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBSD02

Tot Ion: 91 Resp: 264363

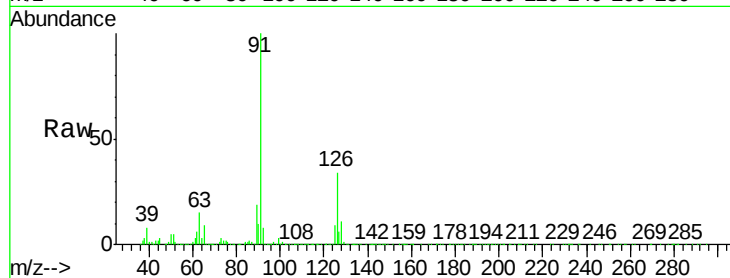
Ion Ratio Lower Upper

91 100

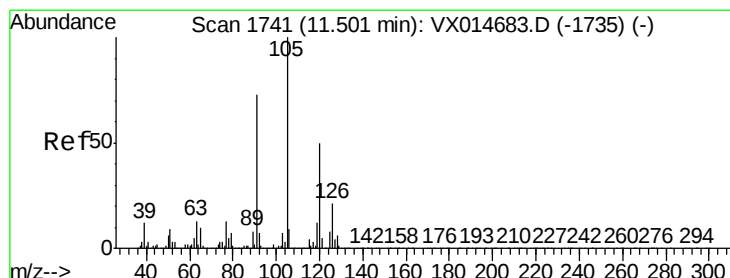
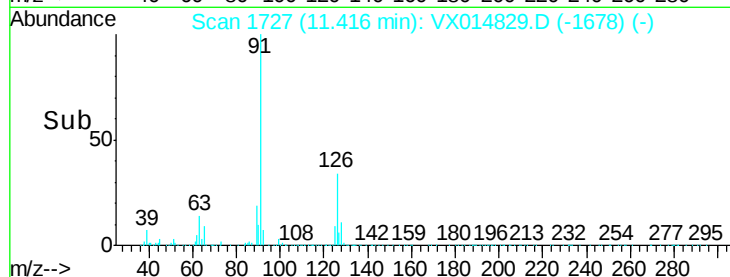
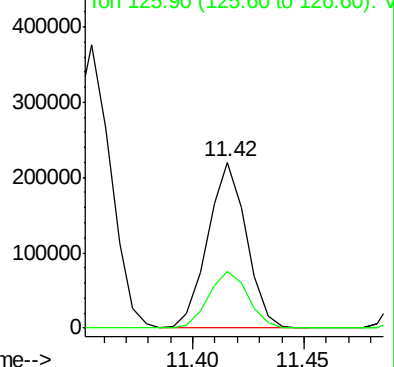
126 35.4 17.3 51.9

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Abundance Ion 91.00 (90.70 to 91.70): VX014683.D (-1722) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.173 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014829.D

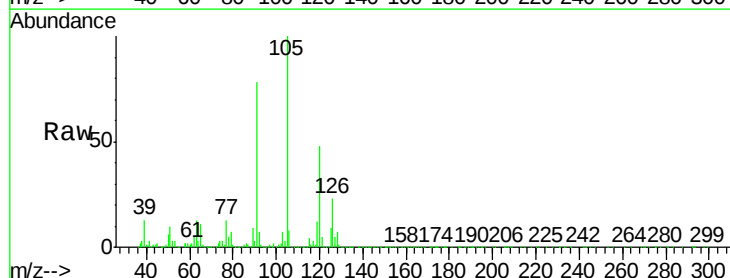
Acq: 05 Feb 2020 17:50

Tgt Ion: 105 Resp: 333202

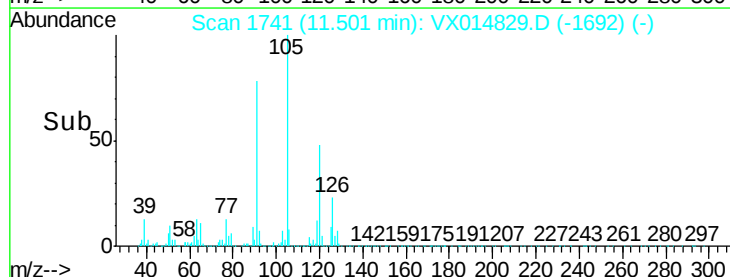
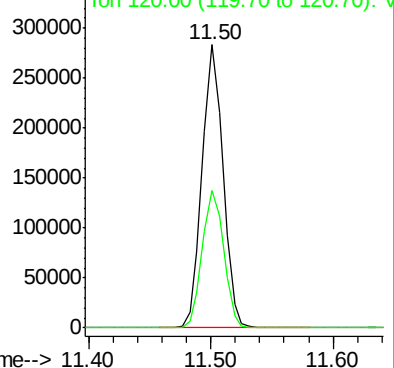
Ion Ratio Lower Upper

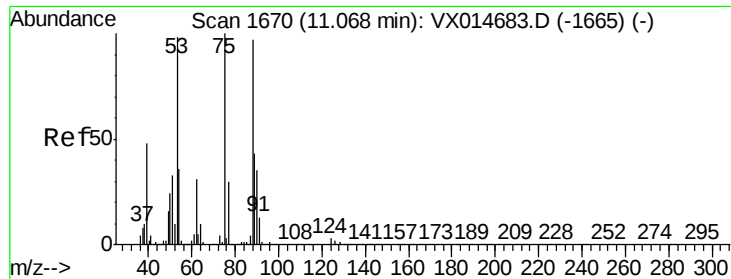
105 100

120 50.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX014683.D (-1735) (-)





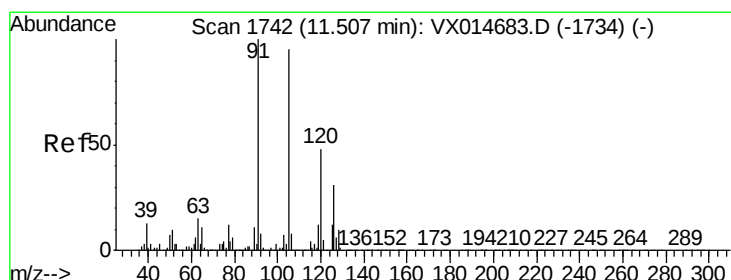
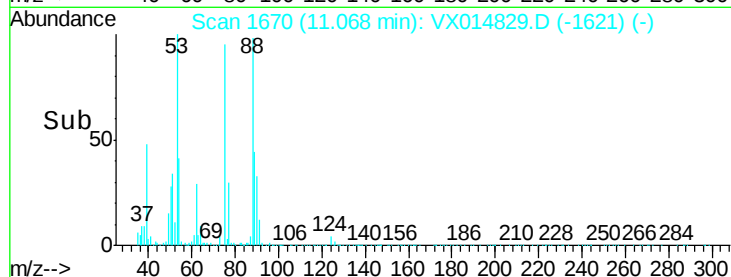
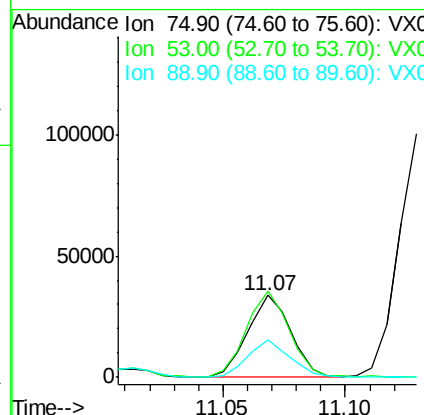
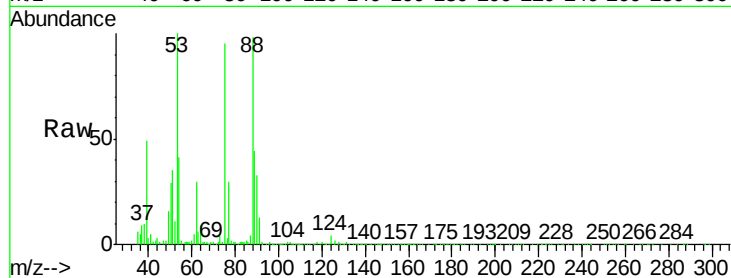
#81
trans-1,4-Dichloro-2-butene
Concen: 17.507 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.4	78.8	118.2
89	46.3	35.4	53.0

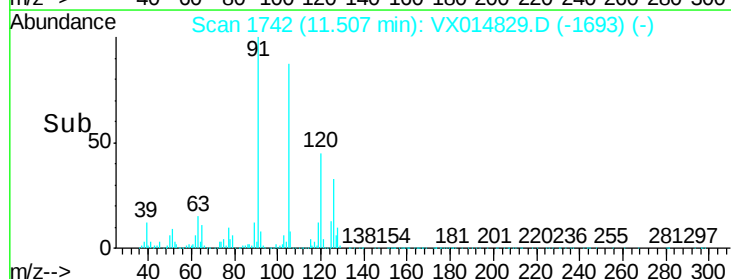
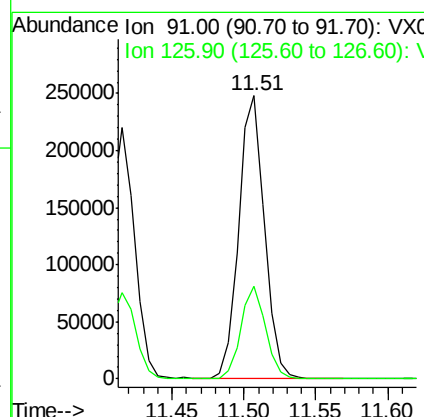
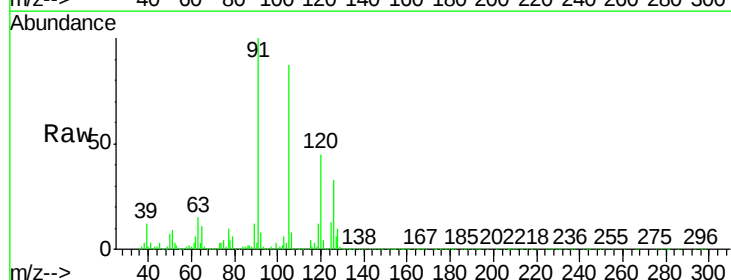
Manual Integrations
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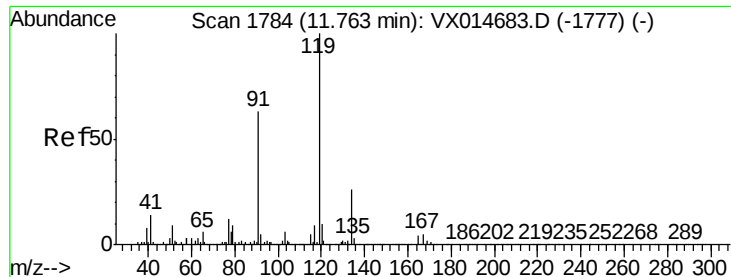
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.898 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.4	46.4





#83

tert-Butylbenzene

Concen: 20.014 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

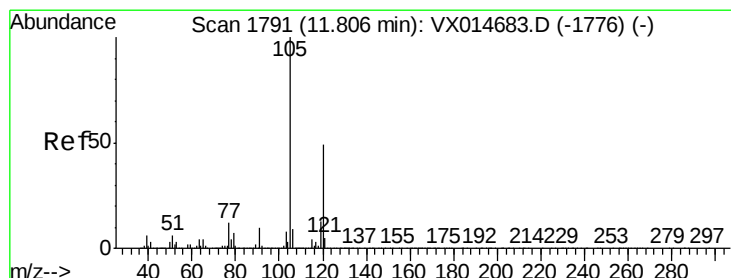
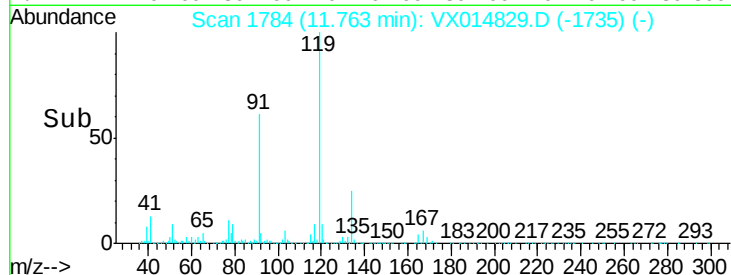
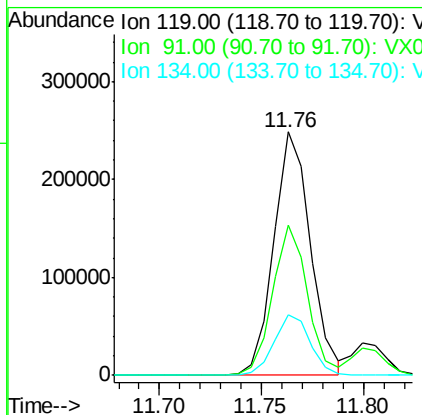
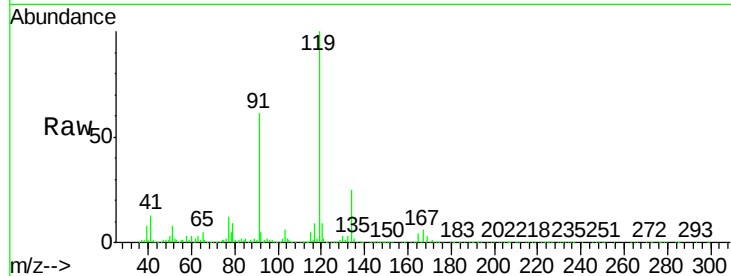
ClientSampleId :

VX0205WBSD02

Tot Ion:	119	Resp:	310638
Ion Ratio		Lower	Upper
119	100		
91	58.7	30.0	90.0
134	24.8	12.7	38.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.073 ug/l

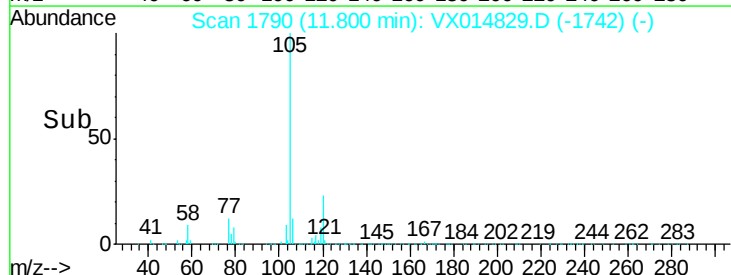
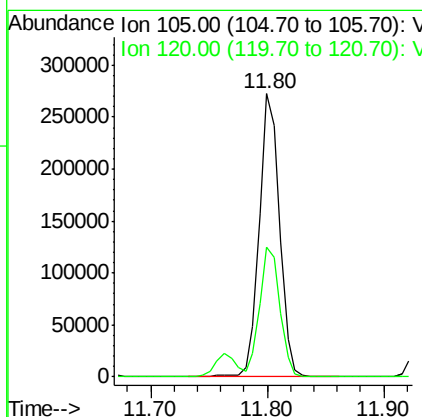
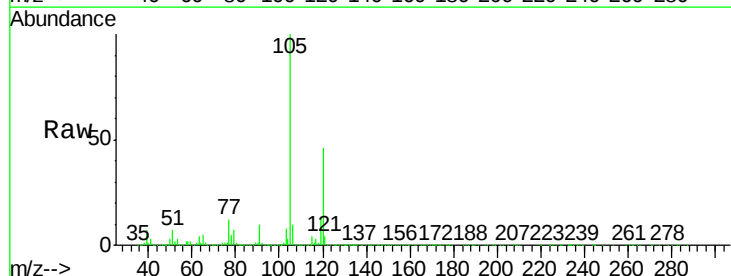
RT: 11.80 min Scan# 1790

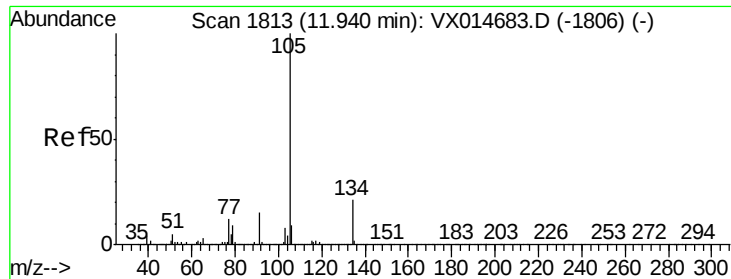
Delta R.T. -0.01 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Tgt Ion:	105	Resp:	332551
Ion Ratio		Lower	Upper
105	100		
120	46.0	23.4	70.0





#85

sec-Butylbenzene

Concen: 20.187 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBSD02

Tot Ion:105 Resp: 383829

Ion Ratio Lower Upper

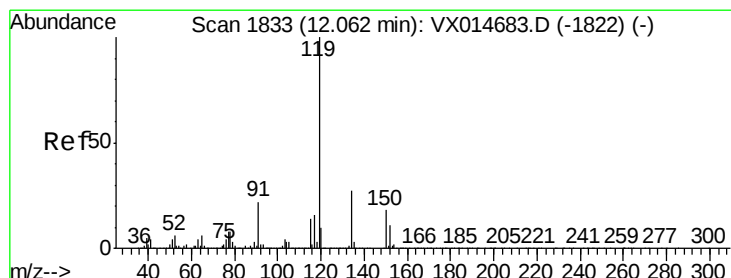
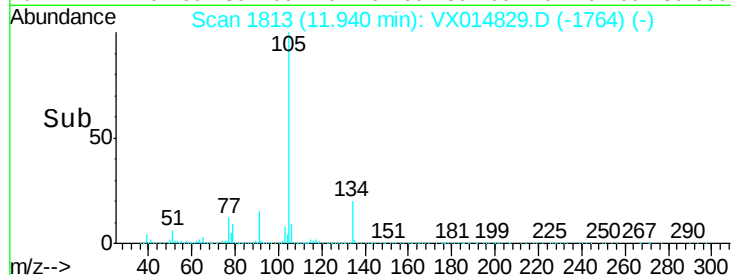
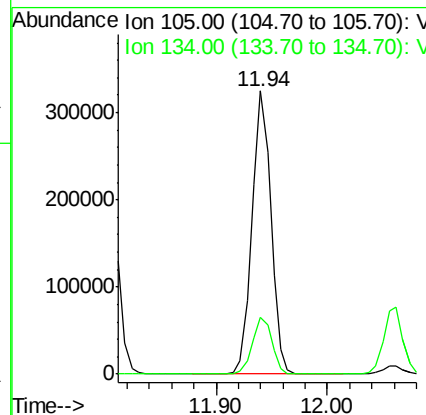
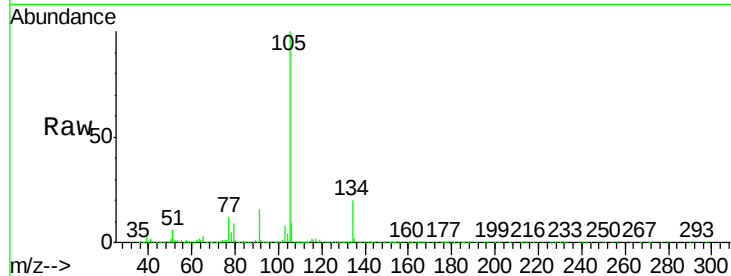
105 100

134 20.7 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 20.049 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

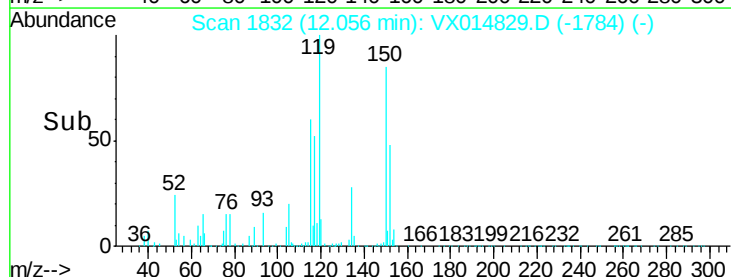
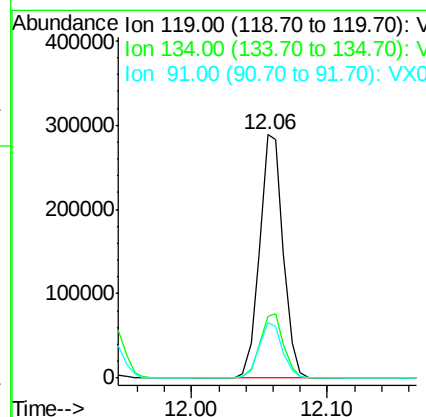
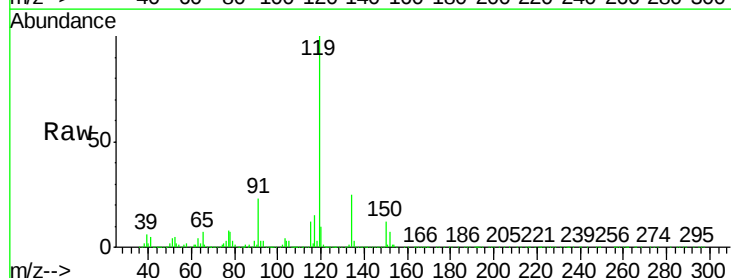
Tgt Ion:119 Resp: 352293

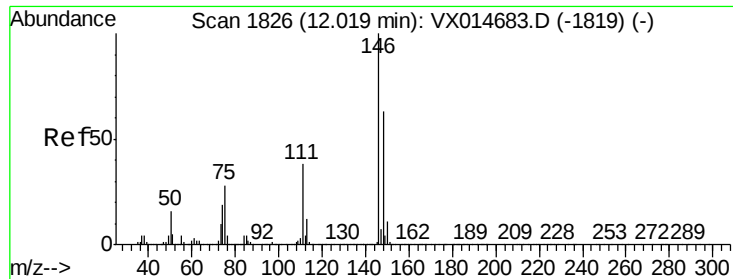
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 22.7 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 19.473 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

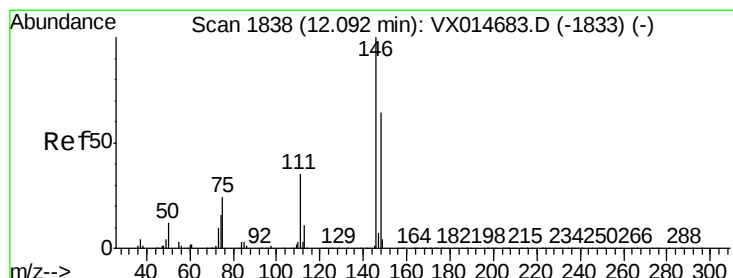
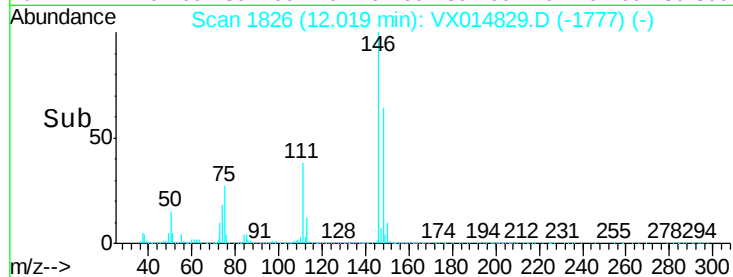
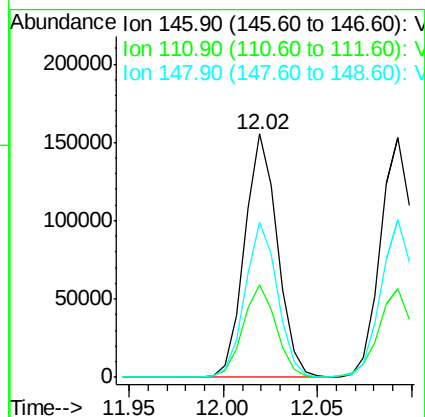
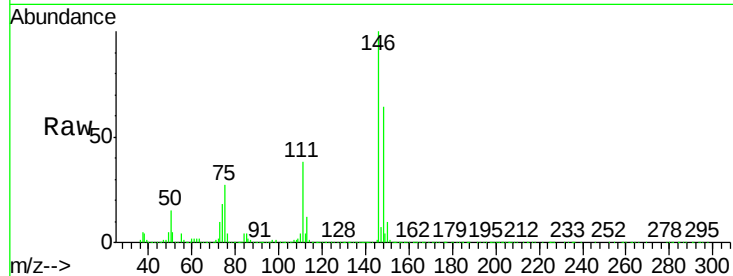
Instrument :
MSVOA_X

ClientSampleId :
VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.0	57.0
148	63.0	31.6	95.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.250 ug/l

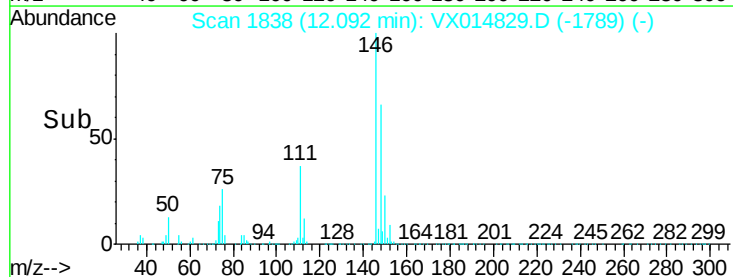
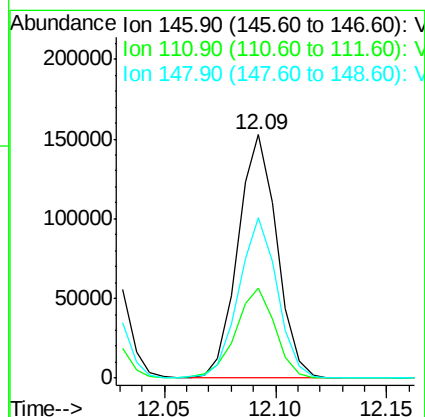
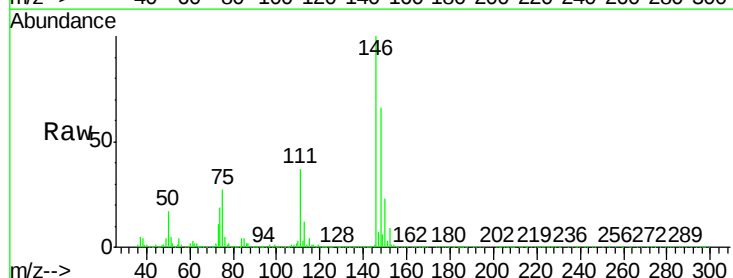
RT: 12.09 min Scan# 1838

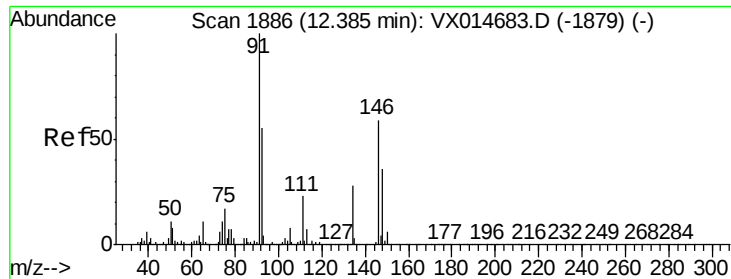
Delta R.T. 0.00 min

Lab File: VX014829.D

Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	65.6	32.0	96.2





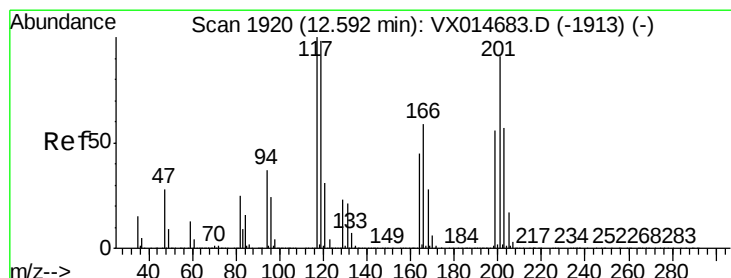
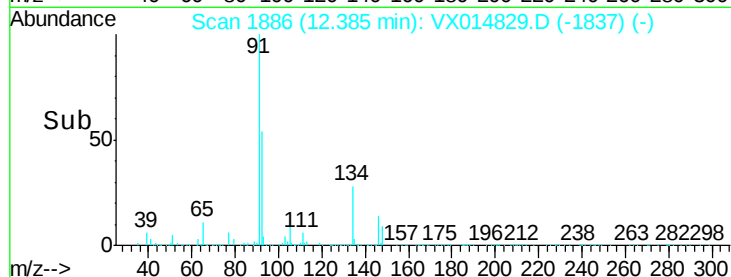
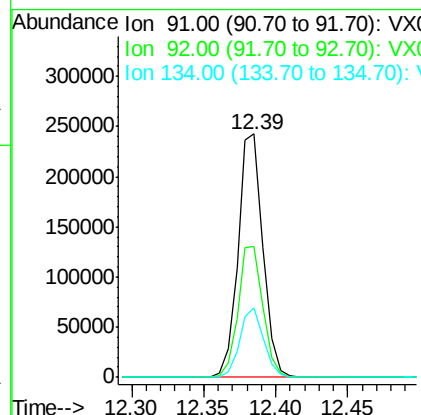
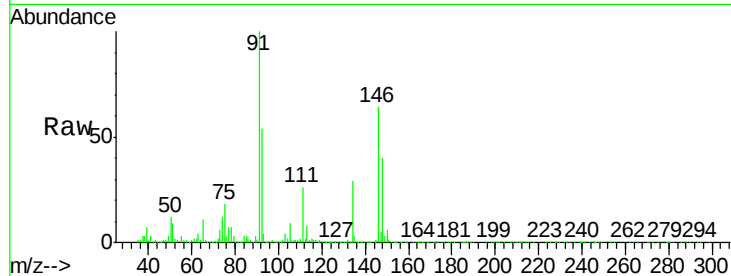
#89
n-Butylbenzene
Concen: 19.056 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.6	82.7
134	27.5	13.3	39.8

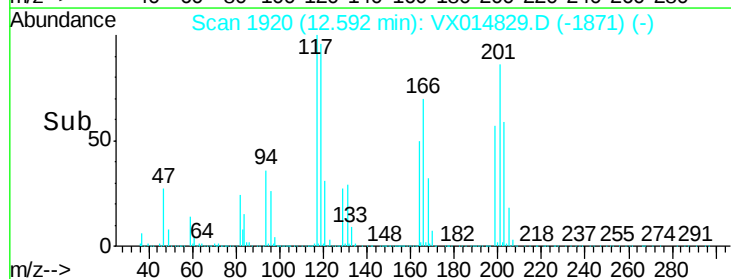
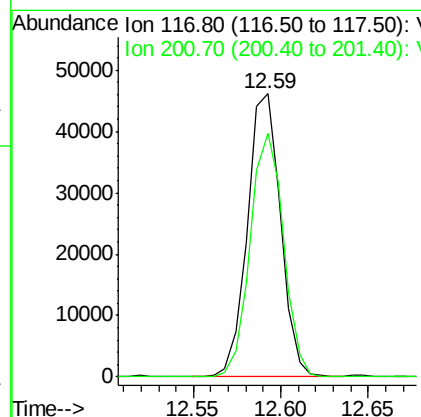
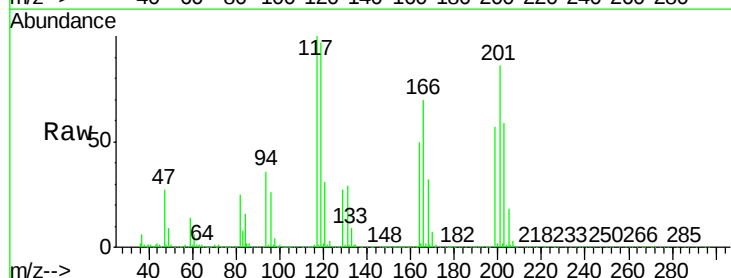
Manual Integrations
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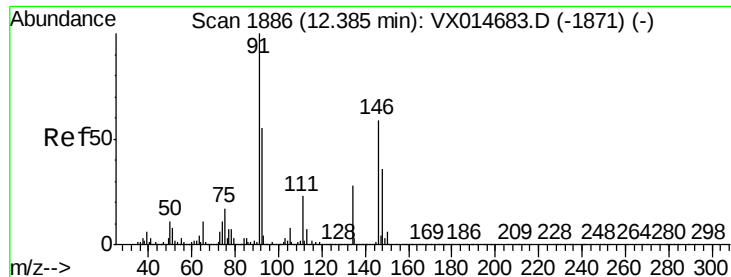
MMDadoda
2/6/2020 1:34:16 PM



#90
Hexachloroethane
Concen: 18.484 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	44.4	133.1





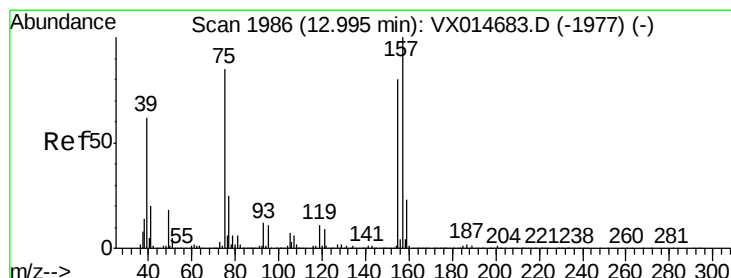
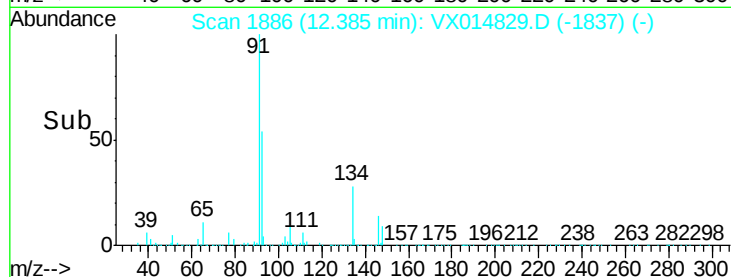
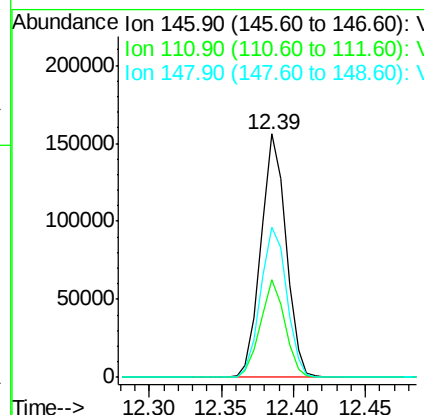
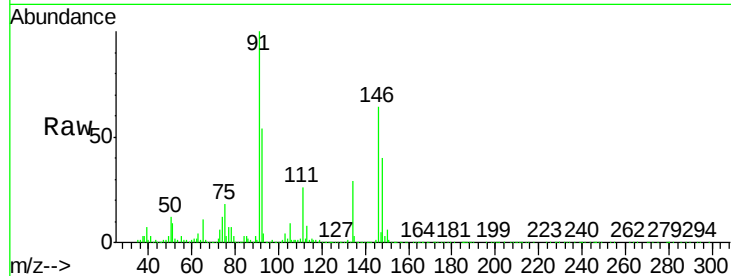
#91
 1,2-Dichlorobenzene
 Concen: 19.588 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014829.D
 Acq: 05 Feb 2020 17:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0205WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	186925		
111	39.1	19.6	58.8	
148	64.2	31.9	95.9	

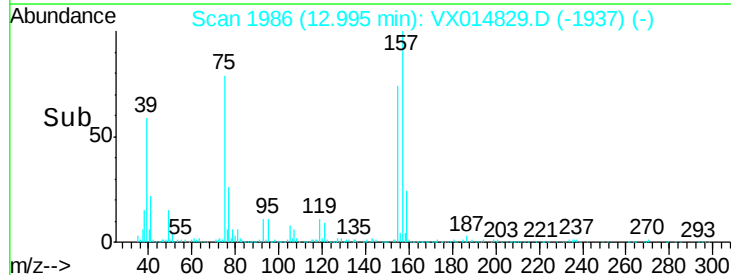
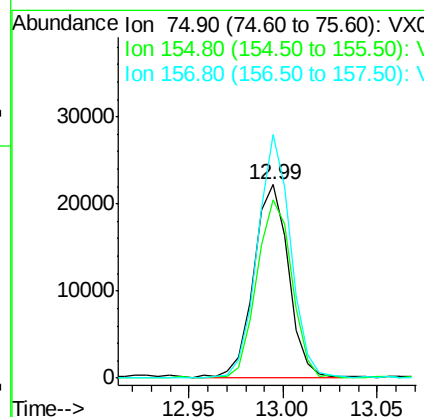
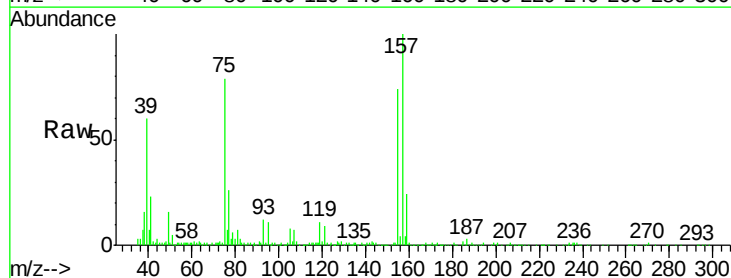
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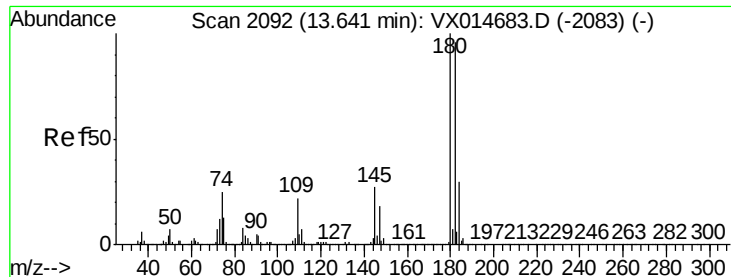
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.422 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014829.D
 Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28124		
155	94.5	45.6	136.9	
157	121.6	60.3	180.9	





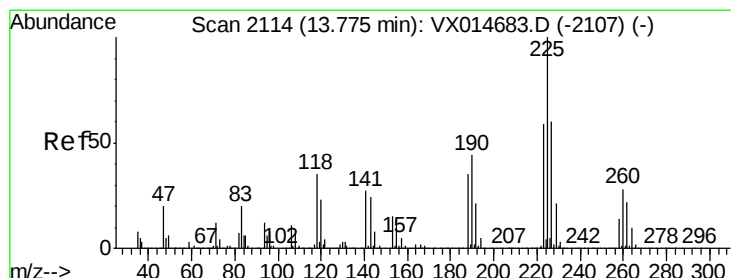
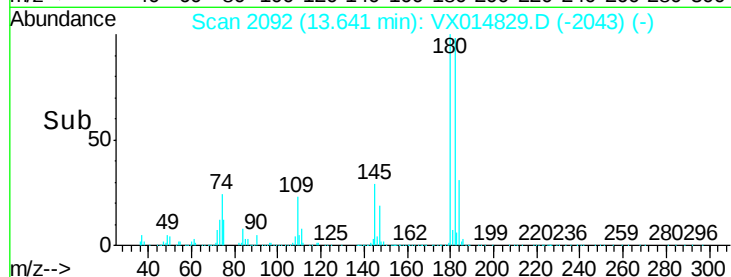
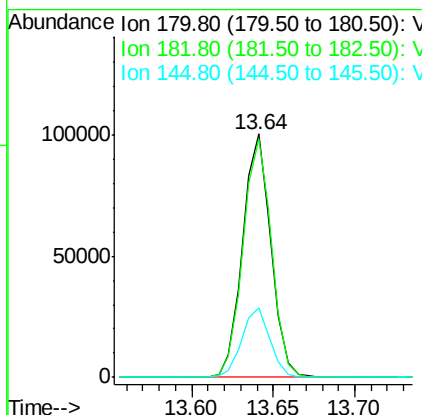
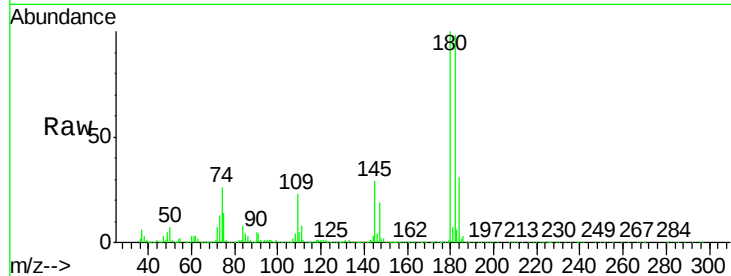
#93
 1,2,4-Trichlorobenzene
 Concen: 19.768 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014829.D
 Acq: 05 Feb 2020 17:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0205WBSD02

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	98.8	48.5	145.6
145	28.9	14.0	41.9

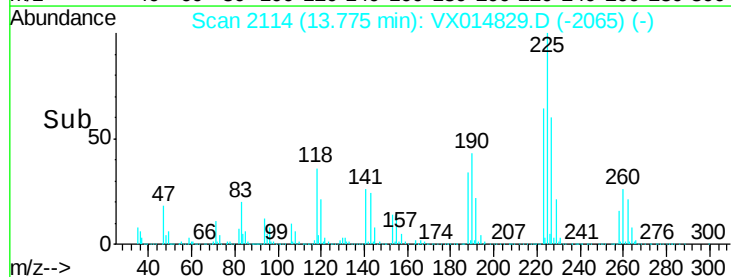
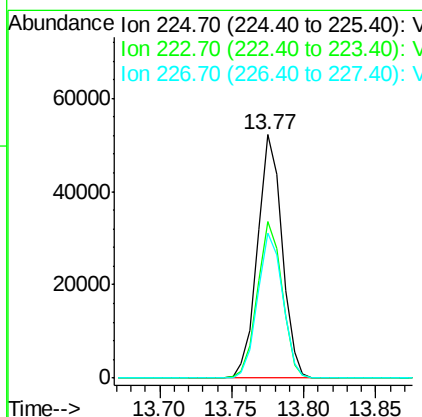
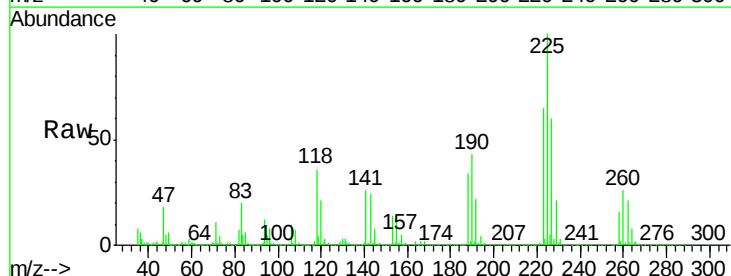
Manual Integrations
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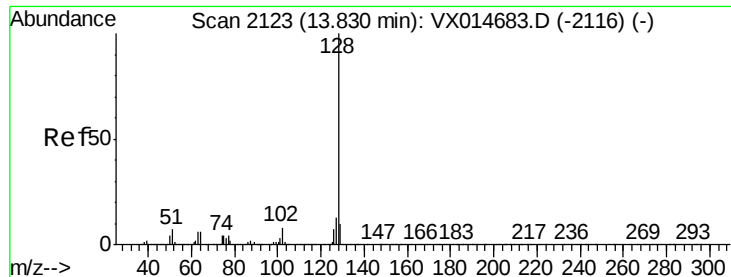
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#94
 Hexachlorobutadiene
 Concen: 19.355 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014829.D
 Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	65.0	30.6	91.8
227	60.8	31.4	94.0





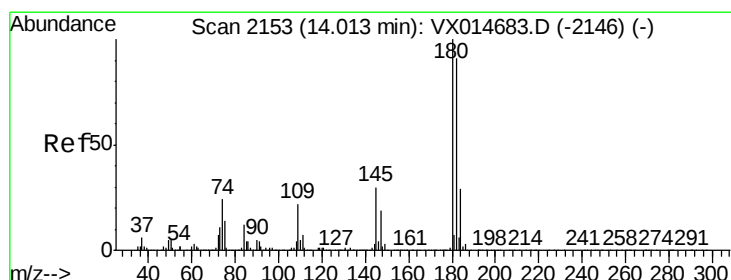
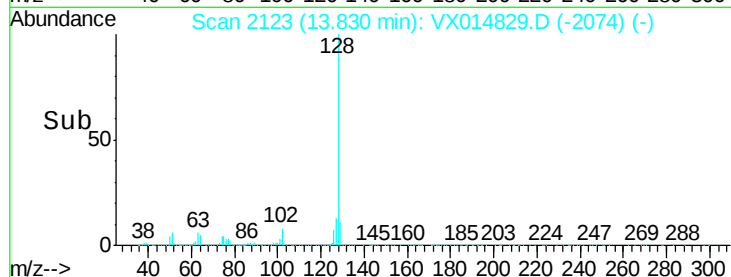
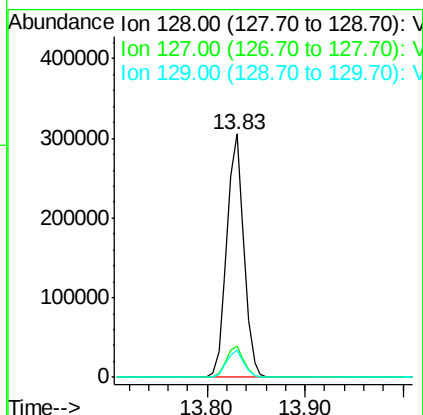
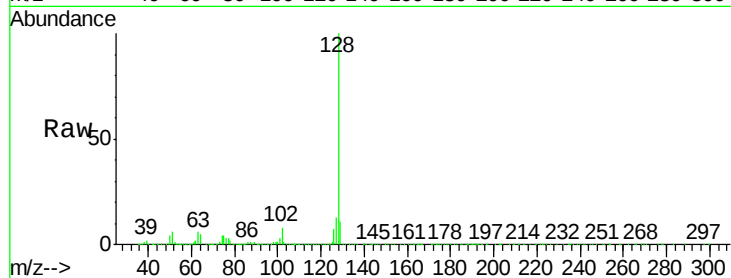
#95
Naphthalene
Concen: 19.307 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	371486		
127	13.3	10.3	15.5	
129	11.1	8.6	12.8	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.675 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014829.D
Acq: 05 Feb 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	128624		
182	93.0	46.6	139.7	
145	29.6	14.7	44.1	

