

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012220\
 Data File : VX014682.D
 Acq On : 22 Jan 2020 11:04
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 1:39:02 PM

Quant Time: Jan 22 12:02:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 11:47:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	447993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	665965	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	606913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	298264	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	99198	19.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.18%	
35) Dibromofluoromethane	5.48	113	81267	19.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.92%	
50) Toluene-d8	8.71	98	315967	20.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.00%	
62) 4-Bromofluorobenzene	11.13	95	108091	18.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	121309	23.981	ug/l	99
3) Chloromethane	1.32	50	125487	21.710	ug/l	100
4) Vinyl Chloride	1.40	62	139602	21.744	ug/l	99
5) Bromomethane	1.64	94	78565	18.206	ug/l	98
6) Chloroethane	1.72	64	78383	20.523	ug/l	99
7) Trichlorofluoromethane	1.92	101	151747	20.856	ug/l	99
8) Diethyl Ether	2.18	74	65597	19.806	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	90057	20.378	ug/l	98
10) Methyl Iodide	2.50	142	114465	21.295	ug/l	99
11) Tert butyl alcohol	3.03	59	118753	114.677	ug/l	98
12) 1,1-Dichloroethene	2.37	96	86694	19.529	ug/l	96
13) Acrolein	2.28	56	91717	108.132	ug/l	98
14) Allyl chloride	2.72	41	158259	20.149	ug/l	99
15) Acrylonitrile	3.13	53	275828	108.160	ug/l	99
16) Acetone	2.43	43	295691	107.432	ug/l	100
17) Carbon Disulfide	2.56	76	235705	18.973	ug/l	100
18) Methyl Acetate	2.76	43	165664	22.720	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	285063	19.962	ug/l	98
20) Methylene Chloride	2.85	84	99477	19.610	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	93195	19.178	ug/l	97
22) Diisopropyl ether	3.84	45	319307	20.948	ug/l	99
23) Vinyl Acetate	3.80	43	1219940	104.042	ug/l	99
24) 1,1-Dichloroethane	3.69	63	174248	21.105	ug/l	99
25) 2-Butanone	4.65	43	414600	109.576	ug/l	98
26) 2,2-Dichloropropane	4.58	77	134414	19.379	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	105882	19.496	ug/l	99
28) Bromochloromethane	5.01	49	68798	19.722	ug/l	98
29) Tetrahydrofuran	5.11	42	247829	110.953	ug/l	98
30) Chloroform	5.20	83	167035	20.684	ug/l	98
31) Cyclohexane	5.57	56	161136	20.858	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	138820	20.200	ug/l	99
36) 1,1-Dichloropropene	5.79	75	126639	20.043	ug/l	100
37) Ethyl Acetate	4.82	43	147507	21.490	ug/l	97
38) Carbon Tetrachloride	5.78	117	119335	20.577	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	157580	19.930	ug/l	96
40) Benzene	6.14	78	391513	20.834	ug/l	100
41) Methacrylonitrile	5.03	41	82754	22.446	ug/l	98
42) 1,2-Dichloroethane	6.18	62	135358	20.581	ug/l	99
43) Isopropyl Acetate	6.43	43	233444	21.043	ug/l	100
44) Trichloroethene	7.21	130	105402	19.613	ug/l	95
45) 1,2-Dichloropropane	7.51	63	102084	21.293	ug/l	99
46) Dibromomethane	7.65	93	63786	19.125	ug/l	98
47) Bromodichloromethane	7.89	83	124173	20.403	ug/l	99
48) Methyl methacrylate	7.76	41	113418	21.268	ug/l	98
49) 1,4-Dioxane	7.73	88	49706	447.037	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	768837	113.345	ug/l	99
52) Toluene	8.78	92	242026	20.205	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	133989	19.053	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	150325	19.751	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	97770	20.261	ug/l	98
56) Ethyl methacrylate	9.17	69	147622	20.064	ug/l	99
57) 1,3-Dichloropropane	9.37	76	169072	20.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	242856	96.883	ug/l	100
59) 2-Hexanone	9.48	43	599490	111.840	ug/l	99
60) Dibromochloromethane	9.57	129	98803	20.404	ug/l	100
61) 1,2-Dibromoethane	9.67	107	103327	20.244	ug/l	98
64) Tetrachloroethene	9.33	164	118631	19.377	ug/l	97
65) Chlorobenzene	10.14	112	258003	19.489	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	95096	20.129	ug/l	98
67) Ethyl Benzene	10.25	91	450379	19.924	ug/l	99
68) m/p-Xylenes	10.35	106	347401	39.856	ug/l	99
69) o-Xylene	10.70	106	163819	19.714	ug/l	100
70) Styrene	10.71	104	278789	19.435	ug/l	99
71) Bromoform	10.85	173	73877	19.221	ug/l	100
73) Isopropylbenzene	11.01	105	437704	20.731	ug/l	100
74) N-amyl acetate	10.89	43	189878	20.432	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	147441	21.646	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	143042m	22.318	ug/l	
77) Bromobenzene	11.25	156	115119	19.734	ug/l	99
78) n-propylbenzene	11.35	91	497895	20.566	ug/l	100
79) 2-Chlorotoluene	11.42	91	298011	20.645	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	365932	20.841	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	46495	19.831	ug/l	94
82) 4-Chlorotoluene	11.51	91	335642	19.827	ug/l	99
83) tert-Butylbenzene	11.76	119	342617	20.750	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	368865	20.806	ug/l	98
85) sec-Butylbenzene	11.94	105	416689	20.248	ug/l	100
86) p-Isopropyltoluene	12.06	119	386753	20.290	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	196128	18.734	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	202964	18.964	ug/l	99
89) n-Butylbenzene	12.38	91	321446	18.520	ug/l	100
90) Hexachloroethane	12.59	117	66496	19.895	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	203960	19.842	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	32569	21.498	ug/l	96

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MSVOA_X
ClientSampleId :
VSTDICC020

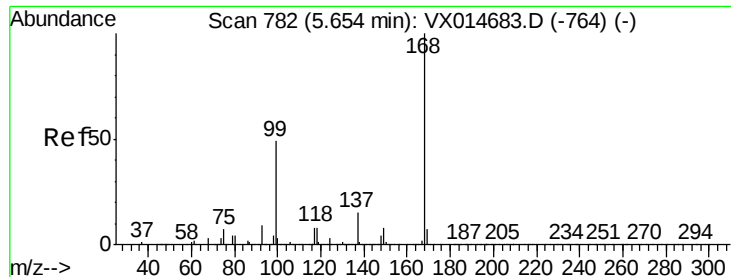
Manual Integrations
APPROVED

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1/24/2020 1:39:02 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	126791	16.364	ug/l	99
94) Hexachlorobutadiene	13.77	225	65867	18.065	ug/l	98
95) Naphthalene	13.83	128	390885	17.698	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	130904	17.215	ug/l	97

(#) = 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: VX014682.D

Acq: 22 Jan 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 447993

Ion Ratio Lower Upper

168 100

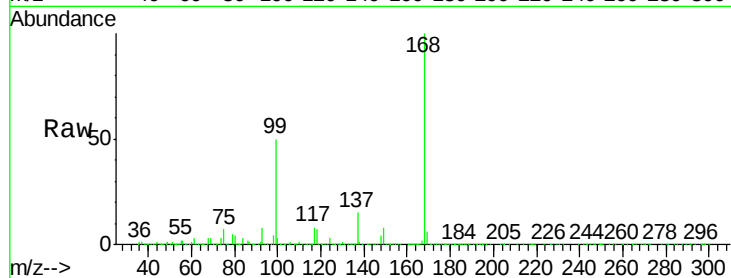
99 49.9 39.8 59.6

Manual Integrations

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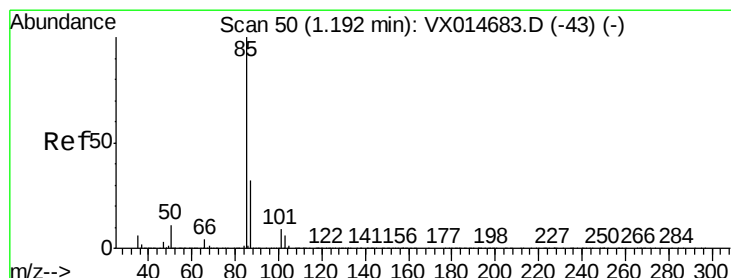
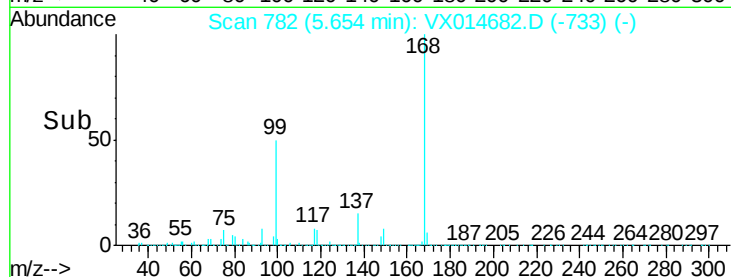
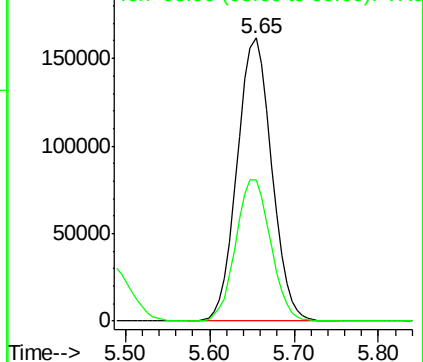
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 23.981 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014682.D

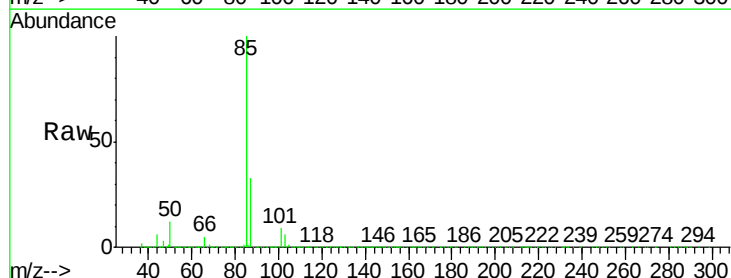
Acq: 22 Jan 2020 11:04

Tgt Ion: 85 Resp: 121309

Ion Ratio Lower Upper

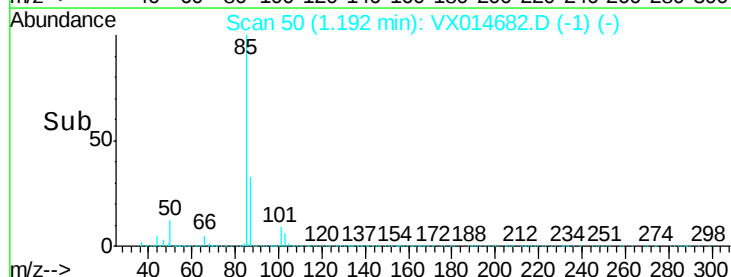
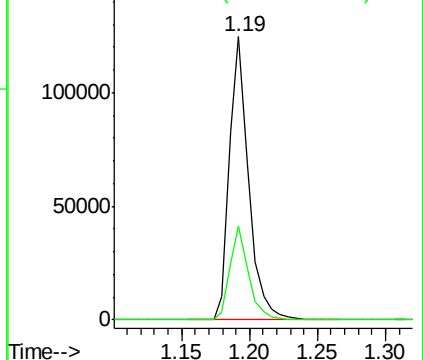
85 100

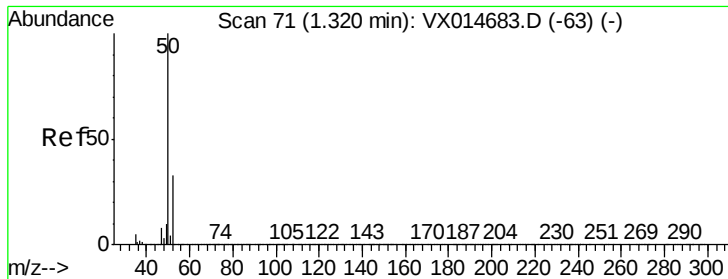
87 32.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





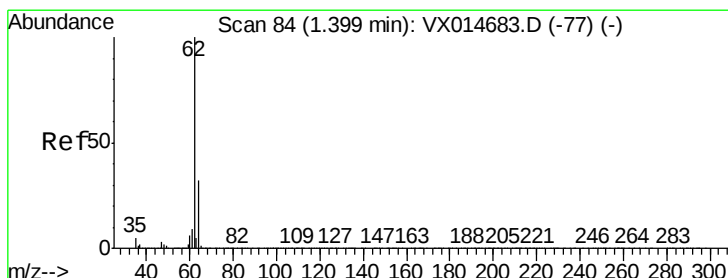
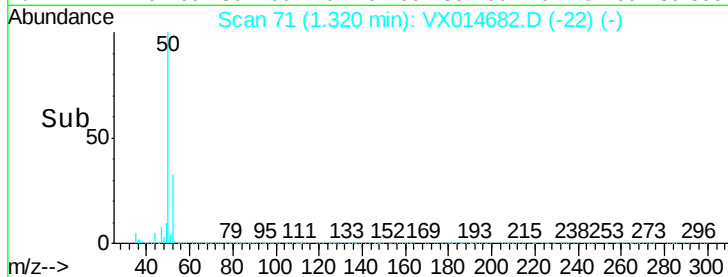
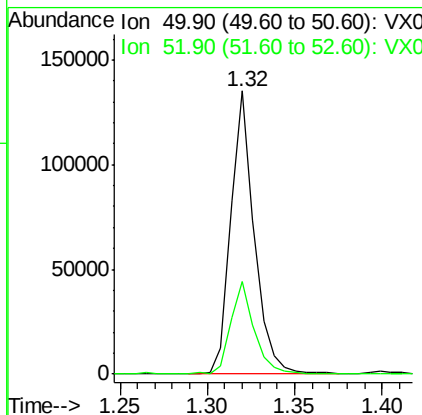
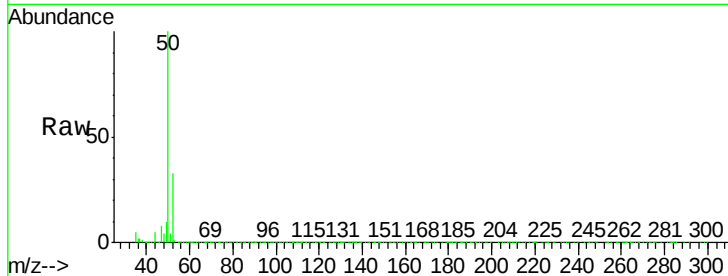
#3
Chloromethane
Concen: 21.710 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.2	39.2

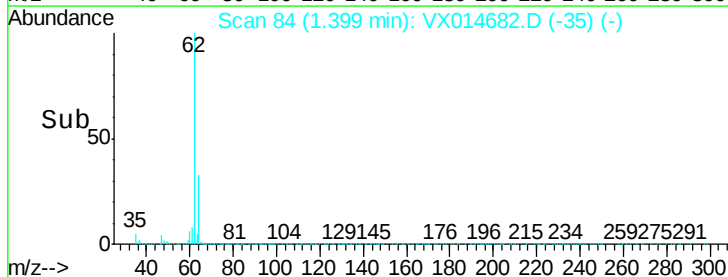
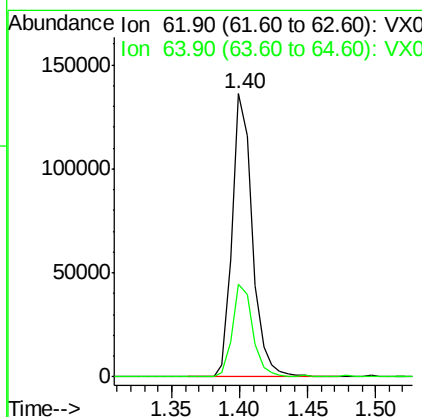
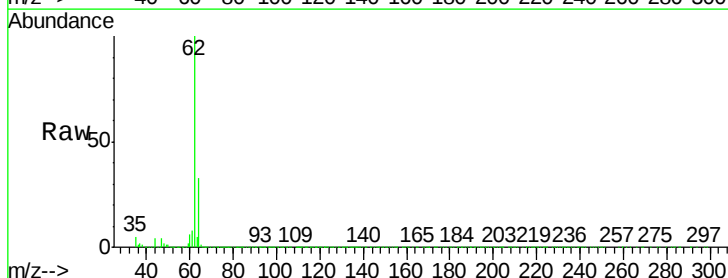
Manual Integrations
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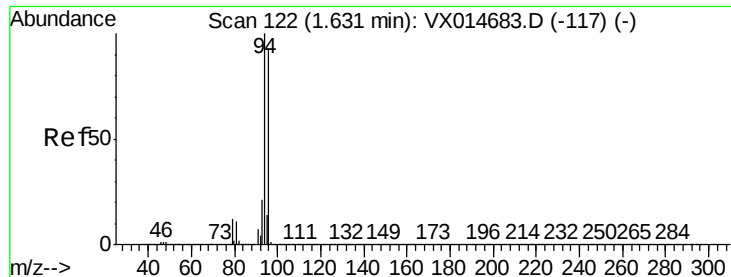
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#4
Vinyl Chloride
Concen: 21.744 ug/l
RT: 1.40 min Scan# 84
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.4	38.2





#5

Bromomethane

Concen: 18.206 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 78565

Ion Ratio Lower Upper

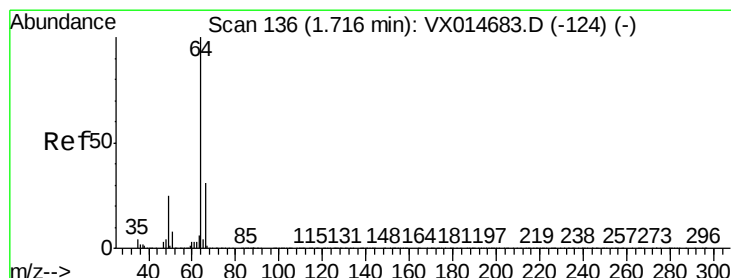
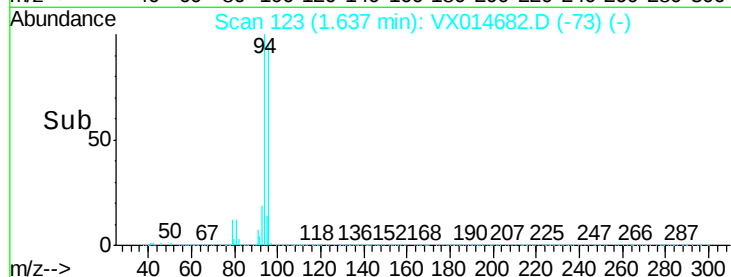
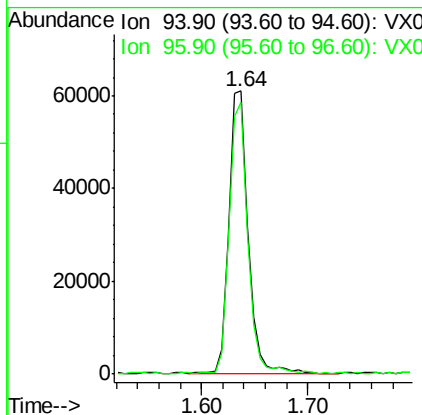
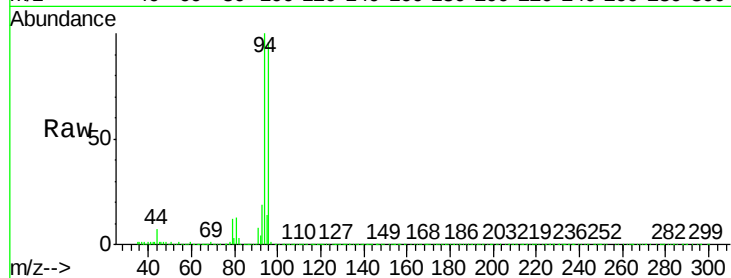
94 100

96 95.8 74.7 112.1

Manual Integrations
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#6

Chloroethane

Concen: 20.523 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX014682.D

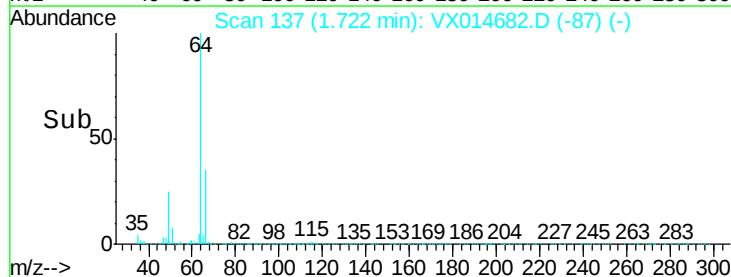
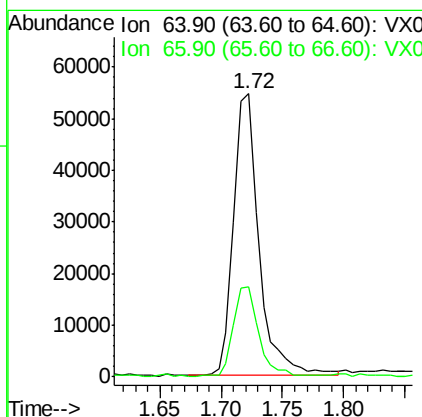
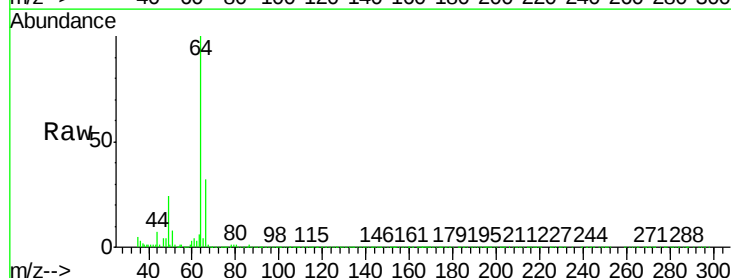
Acq: 22 Jan 2020 11:04

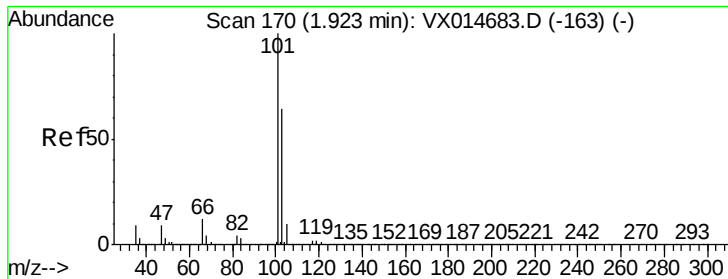
Tgt Ion: 64 Resp: 78383

Ion Ratio Lower Upper

64 100

66 31.9 25.2 37.8





#7

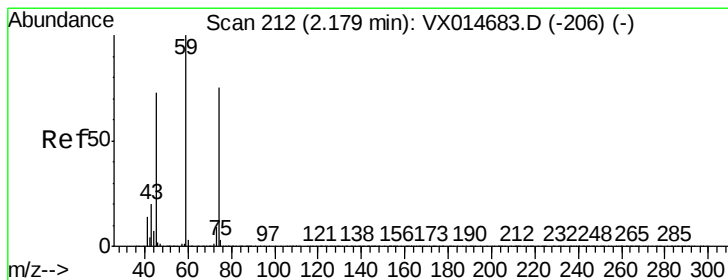
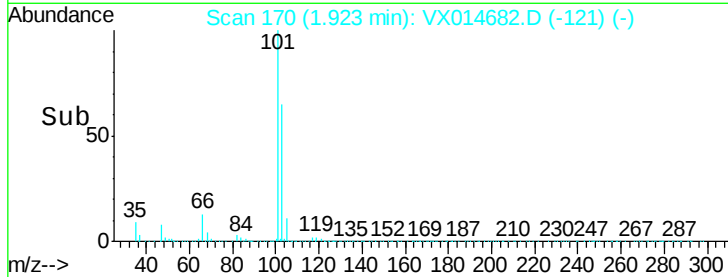
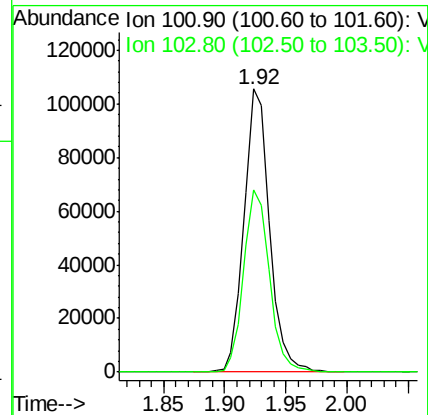
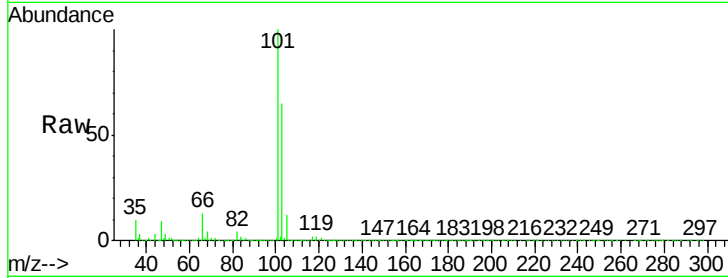
Trichlorofluoromethane
Concen: 20.856 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
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ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.0	76.6

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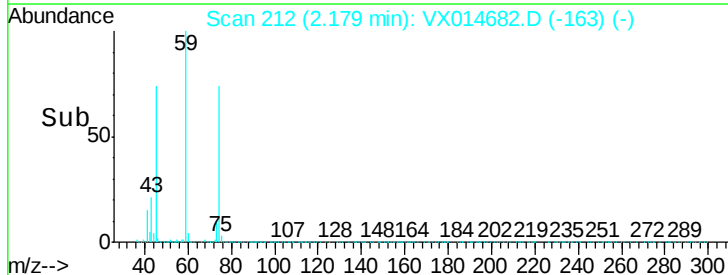
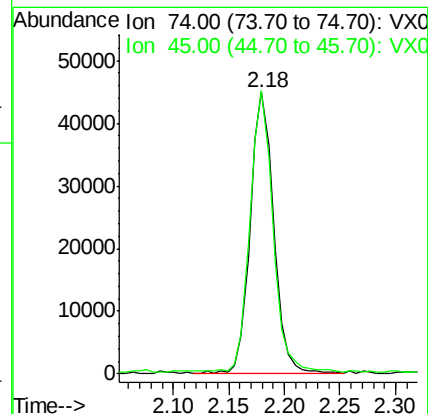
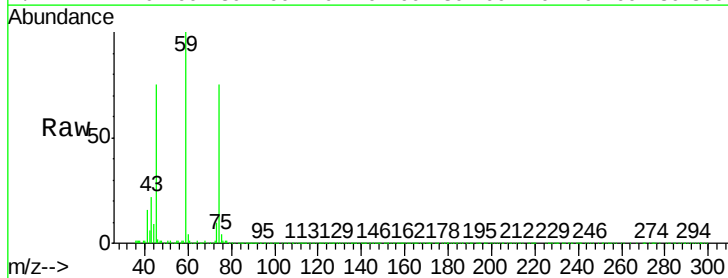
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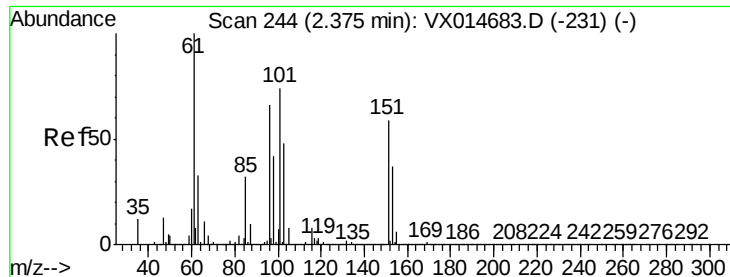


#8

Diethyl Ether
Concen: 19.806 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.378 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Instrument :

MSVOA_X

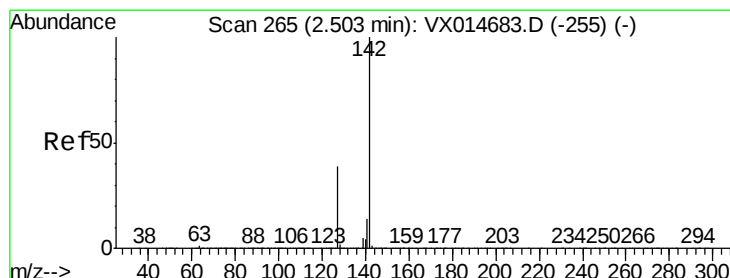
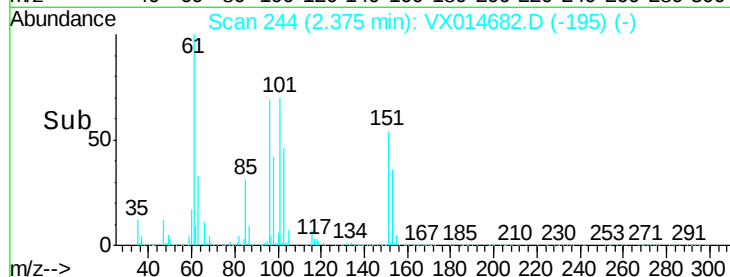
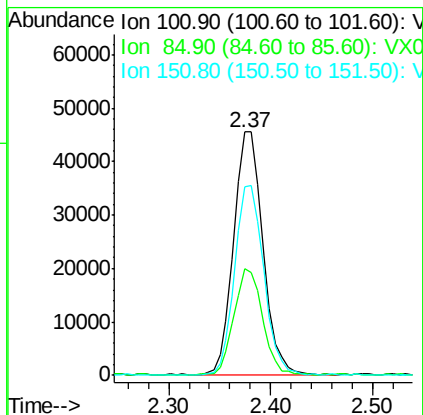
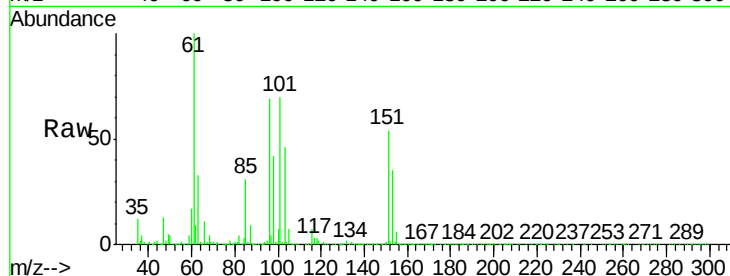
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	90057
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.7	52.1
151	78.7	64.7	97.1

Manual Integrations
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#10

Methyl Iodide

Concen: 21.295 ug/l

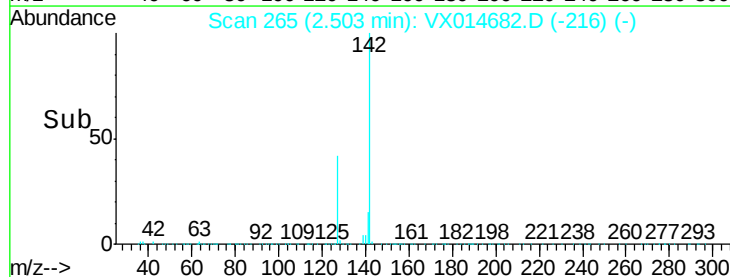
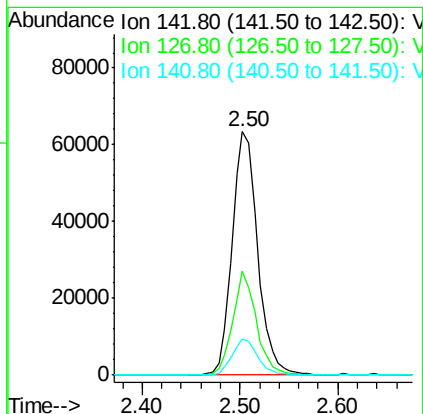
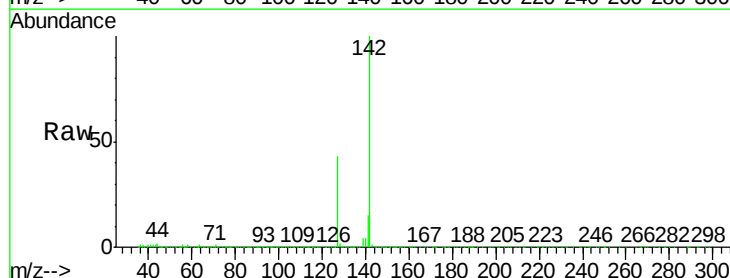
RT: 2.50 min Scan# 265

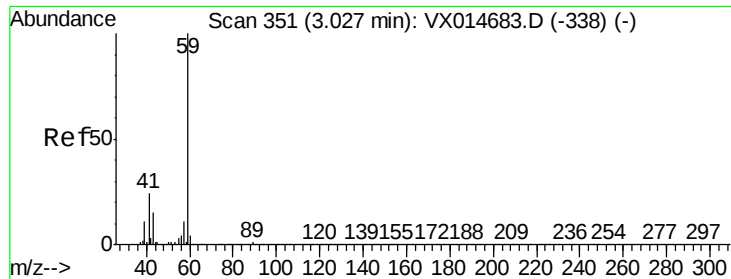
Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Tgt Ion:	142	Resp:	114465
Ion Ratio	Lower	Upper	
142	100		
127	39.7	31.1	46.7
141	14.9	11.3	16.9





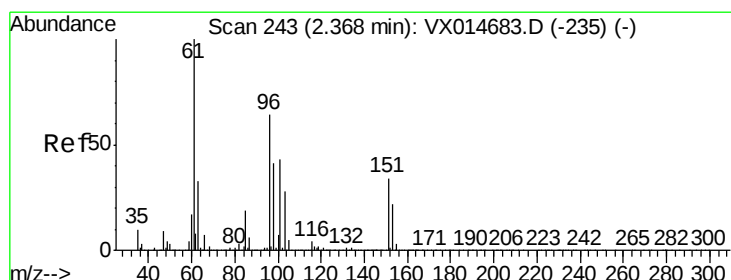
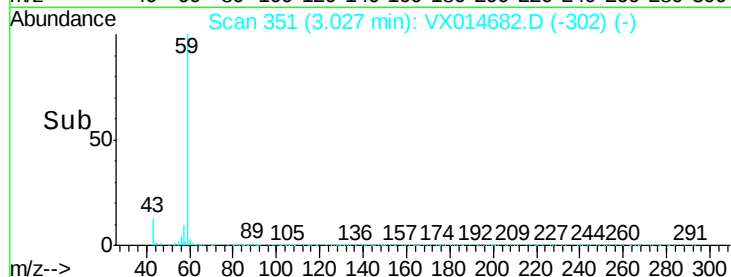
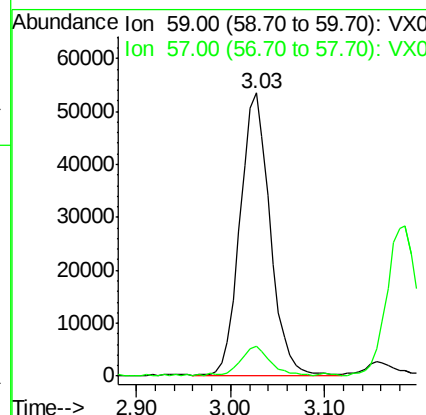
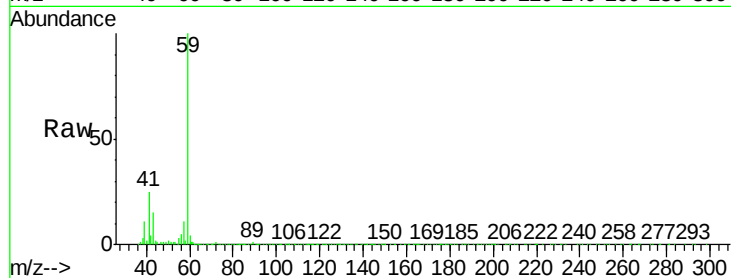
#11
Tert butyl alcohol
Concen: 114.677 ug/l
RT: 3.03 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.3	12.5

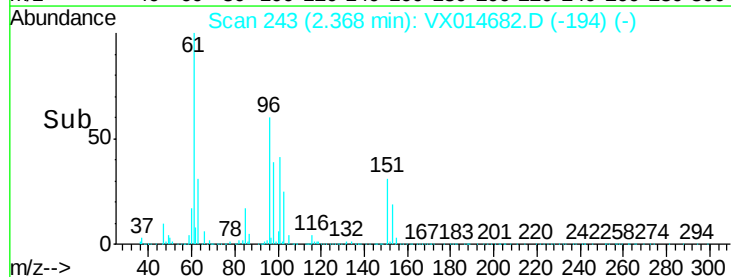
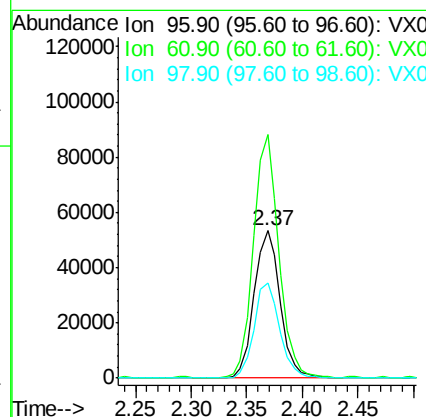
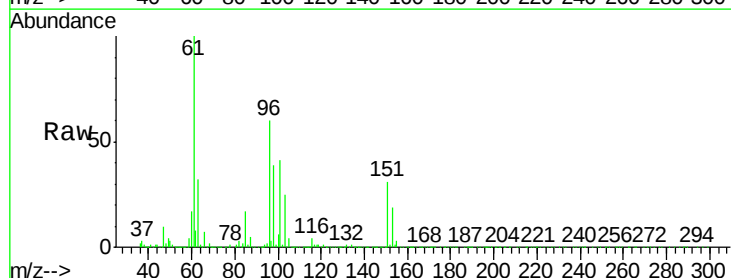
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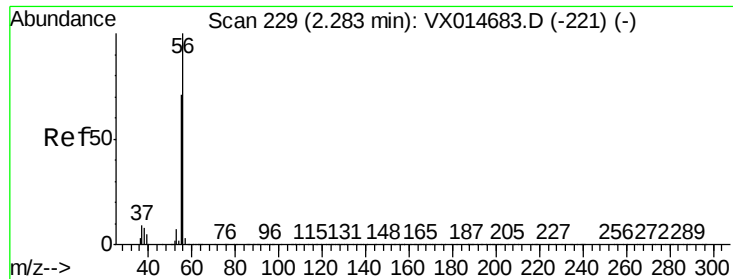
MMDadoda
1/24/2020 1:39:02 PM



#12
1,1-Dichloroethene
Concen: 19.529 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.3	125.8	188.8
98	64.0	51.5	77.3





#13

Acrolein

Concen: 108.132 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 91717

Ion Ratio Lower Upper

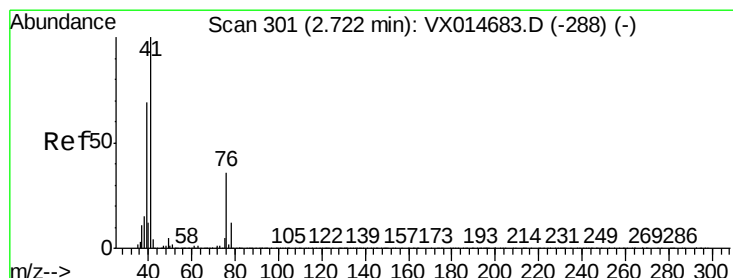
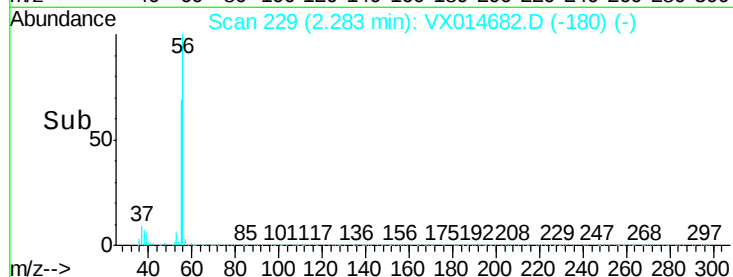
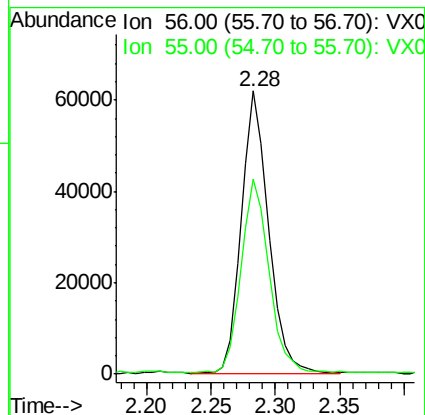
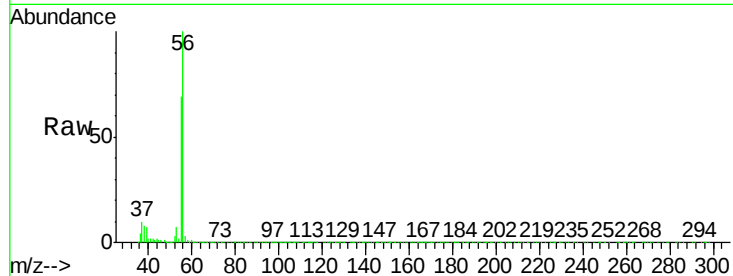
56 100

55 69.4 56.6 84.8

Manual Integrations
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#14

Allyl chloride

Concen: 20.149 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

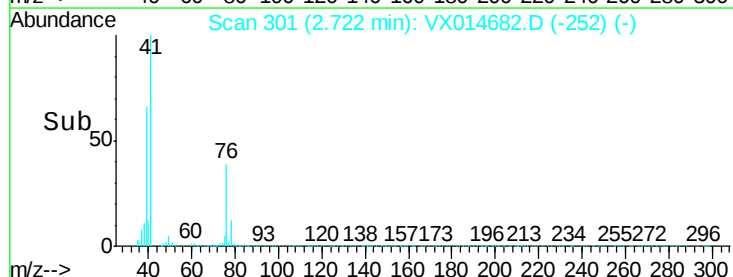
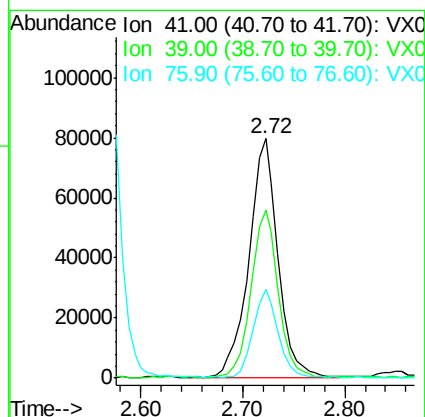
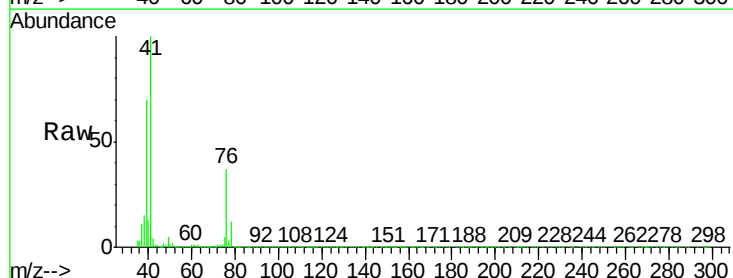
Tgt Ion: 41 Resp: 158259

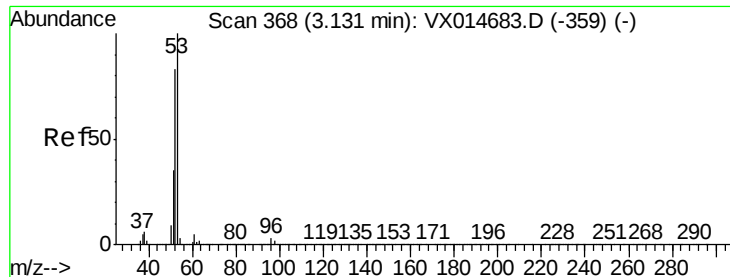
Ion Ratio Lower Upper

41 100

39 65.1 52.0 78.0

76 31.4 26.0 39.0





#15

Acrylonitrile

Concen: 108.160 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Instrument :

MSVOA_X

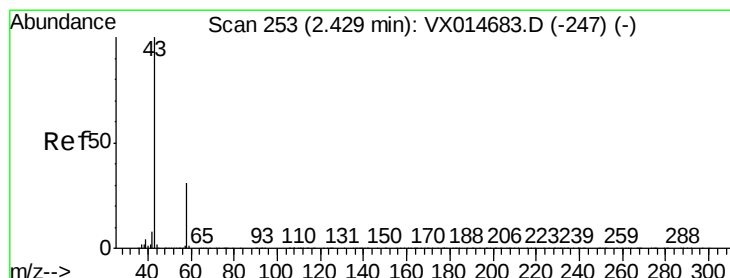
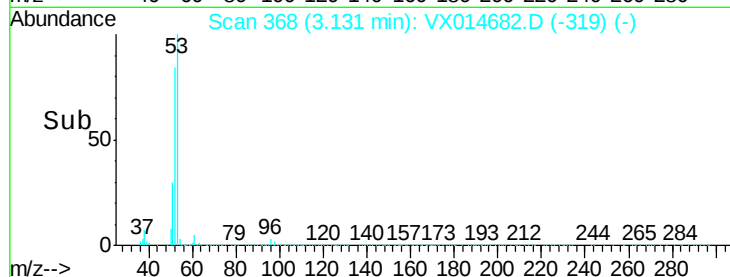
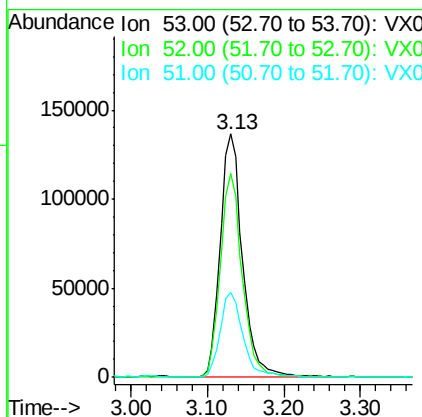
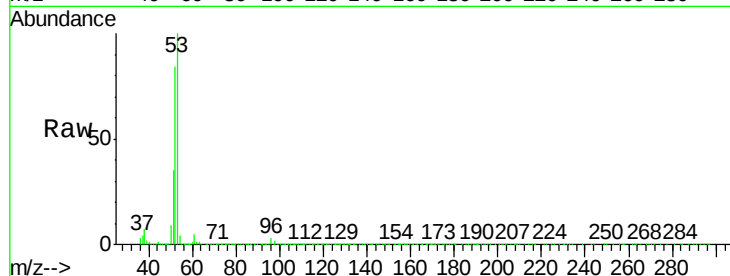
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	275828
Ion Ratio		Lower	Upper
53	100		
52	82.1	66.4	99.6
51	35.7	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 107.432 ug/l

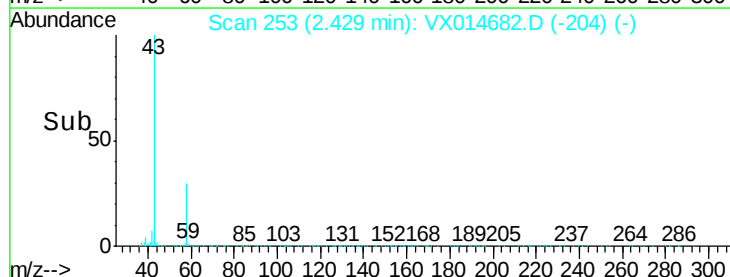
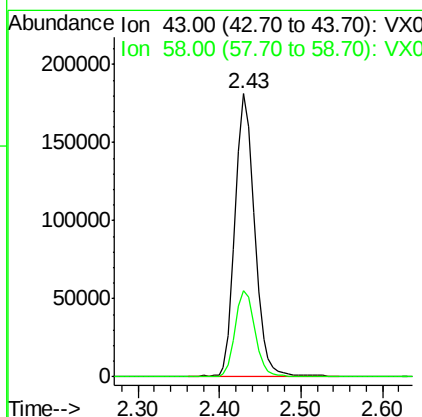
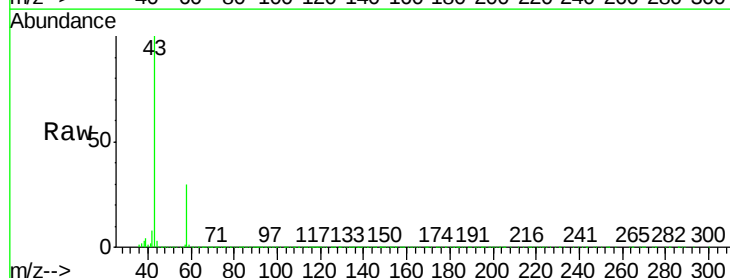
RT: 2.43 min Scan# 253

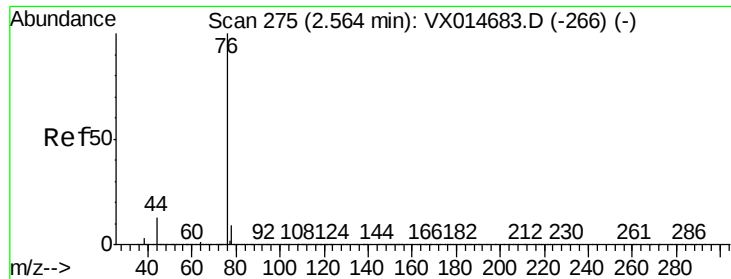
Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Tgt Ion:	43	Resp:	295691
Ion Ratio		Lower	Upper
43	100		
58	30.4	24.5	36.7





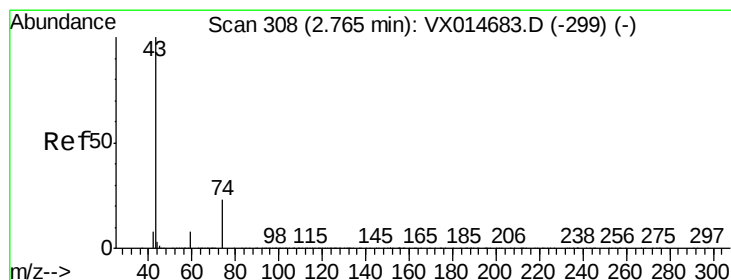
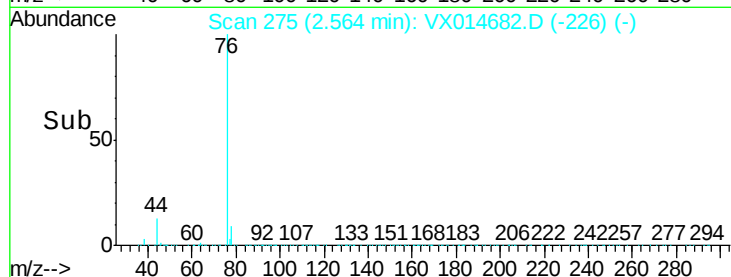
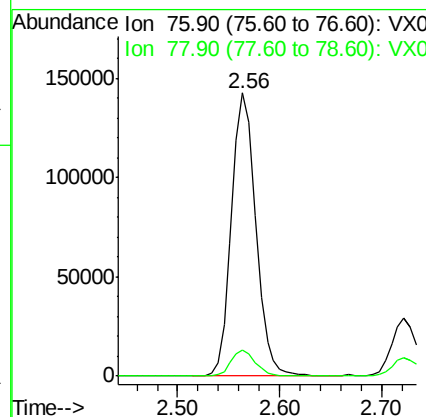
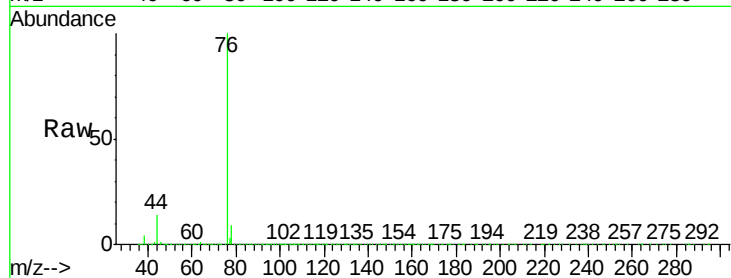
#17
Carbon Disulfide
Concen: 18.973 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

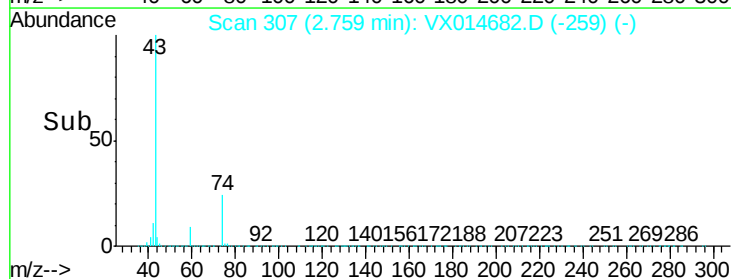
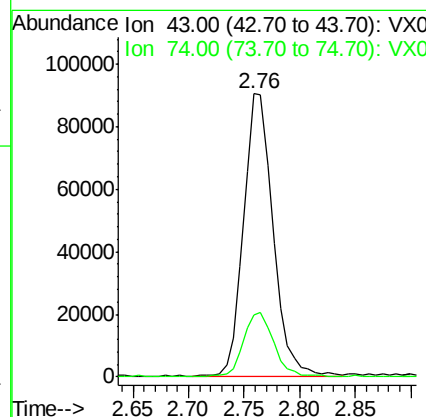
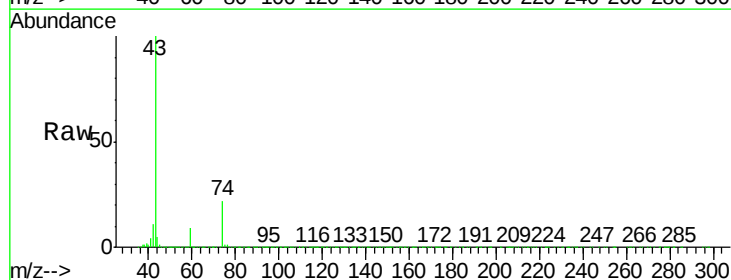
Manual Integrations
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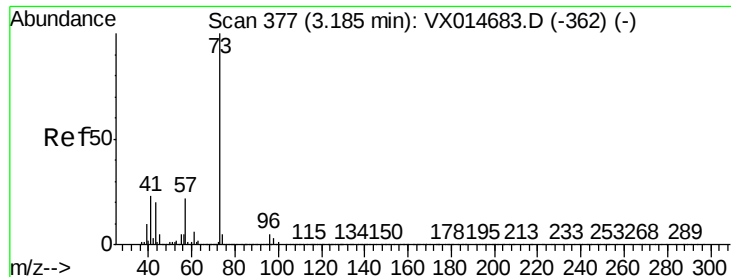
MMDadoda
1/24/2020 1:39:02 PM



#18
Methyl Acetate
Concen: 22.720 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.5	27.7





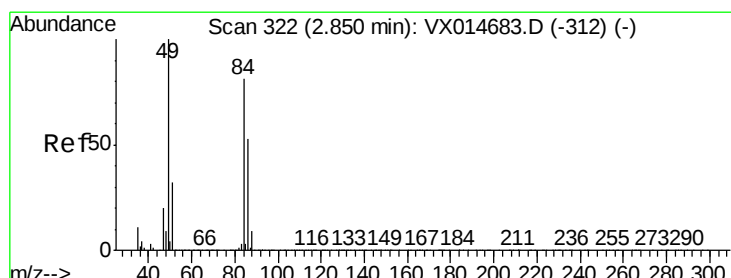
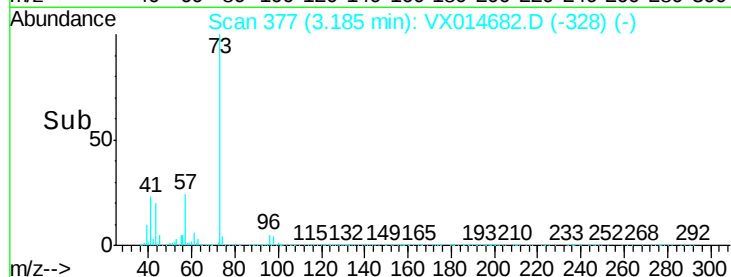
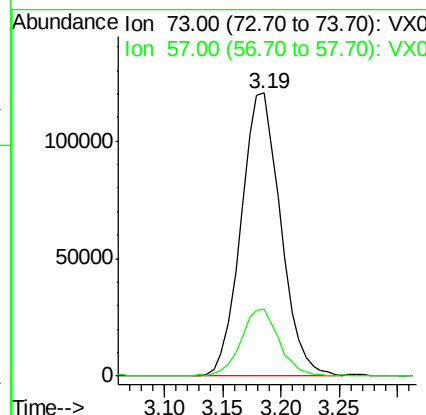
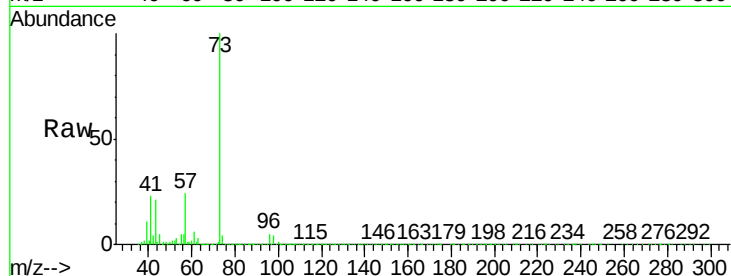
#19
Methvl tert-butvl Ether
Concen: 19.962 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.0	27.0

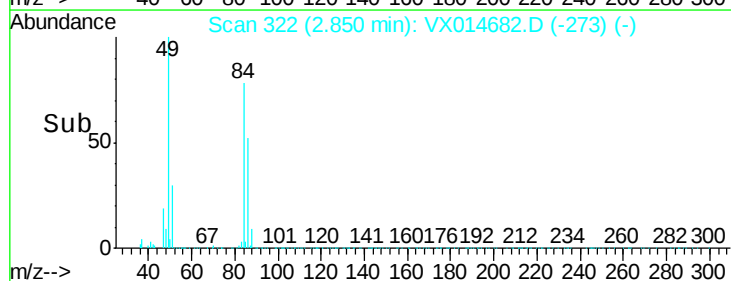
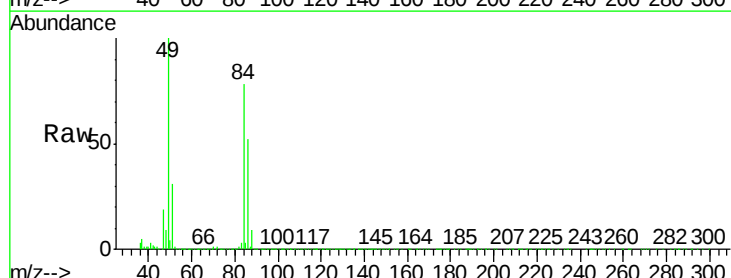
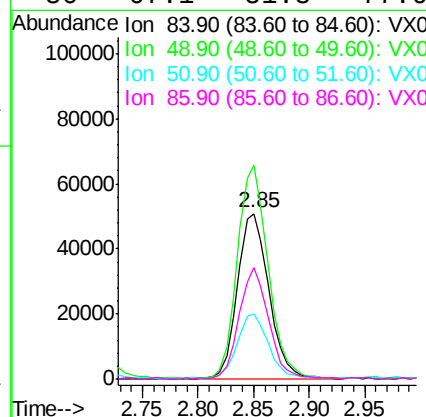
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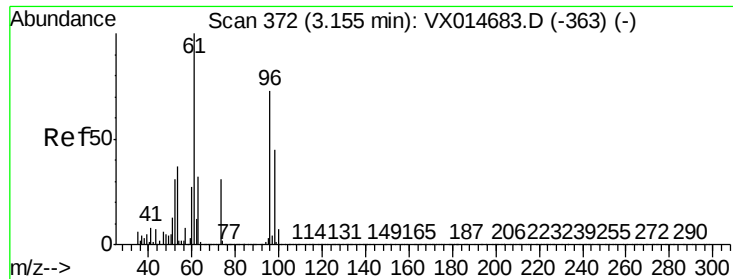
MMDadoda
1/24/2020 1:39:02 PM



#20
Methylene Chloride
Concen: 19.610 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.3	98.2	147.4
51	39.2	31.3	46.9
86	67.1	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 19.178 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Instrument :

MSVOA_X

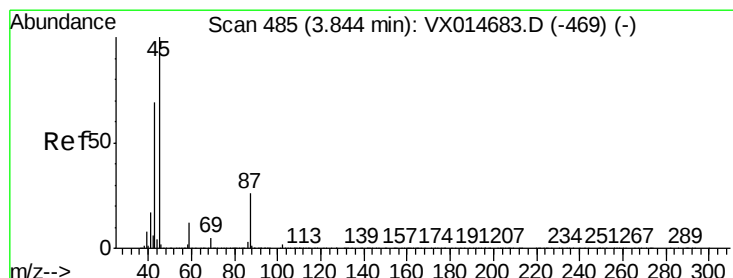
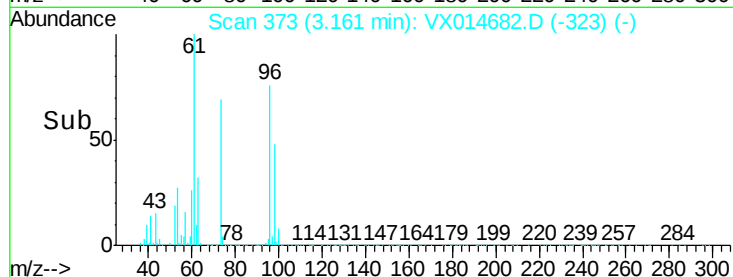
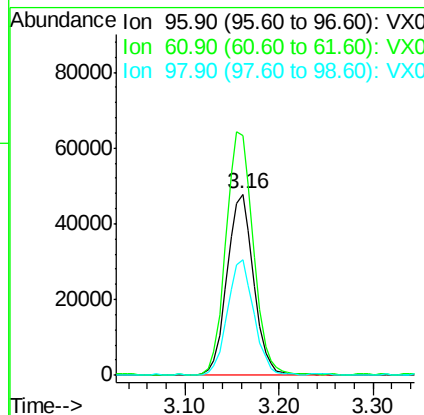
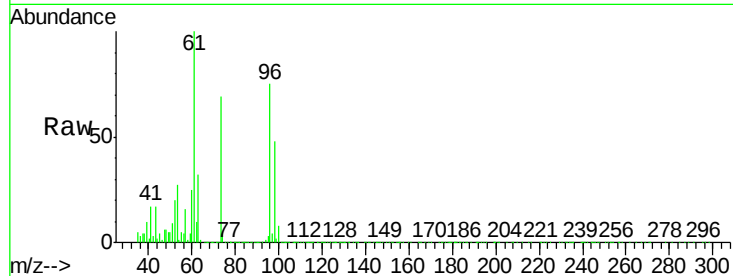
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	93195
Ion Ratio	Lower	Upper	
96	100		
61	132.5	109.8	164.6
98	63.7	49.6	74.4

Manual Integrations
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1/24/2020 1:39:02 PM



#22

Diisopropyl ether

Concen: 20.948 ug/l

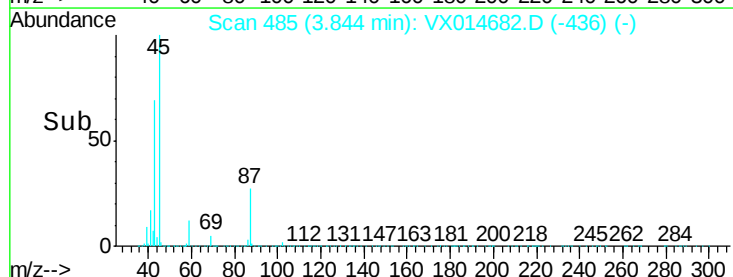
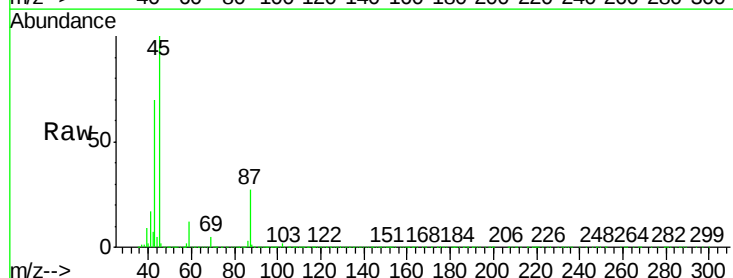
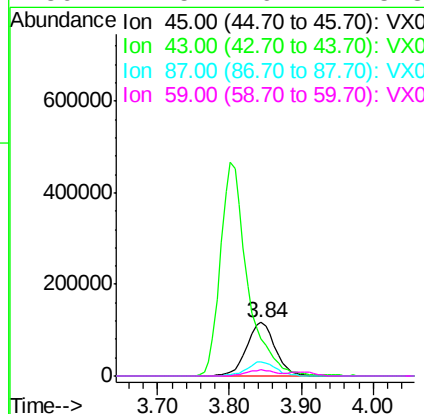
RT: 3.84 min Scan# 485

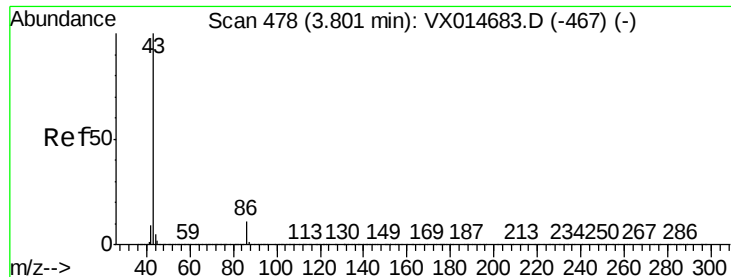
Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Tgt Ion:	45	Resp:	319307
Ion Ratio	Lower	Upper	
45	100		
43	69.3	55.1	82.7
87	26.5	20.7	31.1
59	11.5	9.2	13.8





#23

Vinyl Acetate

Concen: 104.042 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 1219940

Ion Ratio Lower Upper

43 100

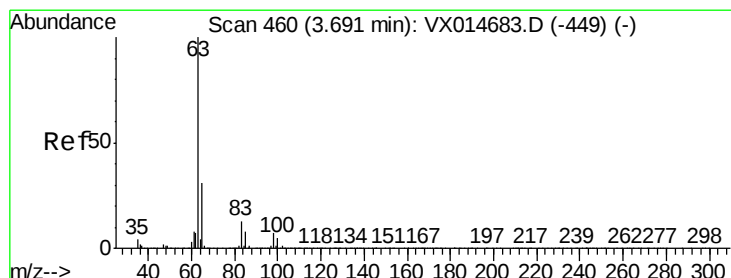
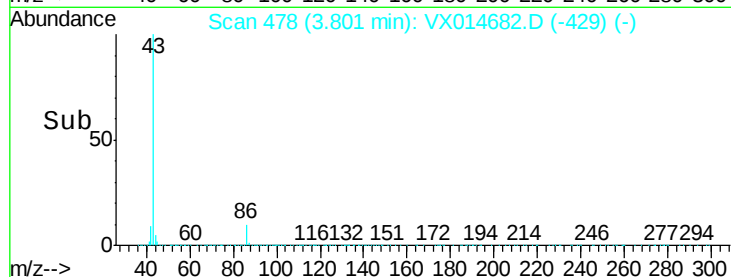
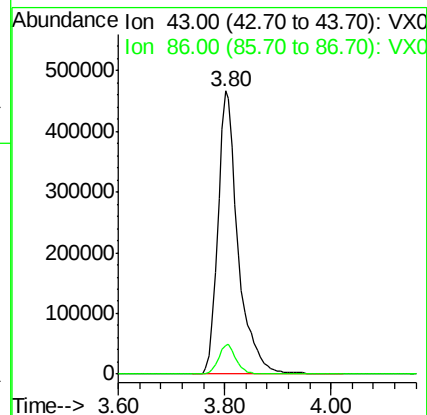
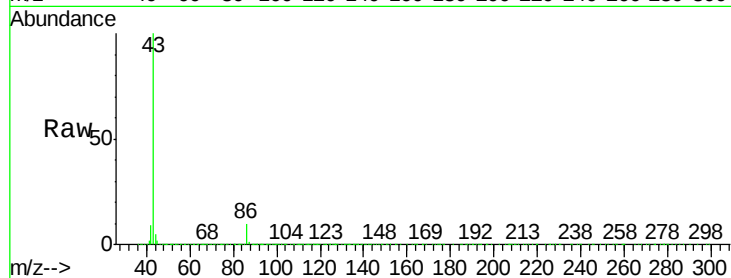
86 10.0 8.4 12.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.105 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

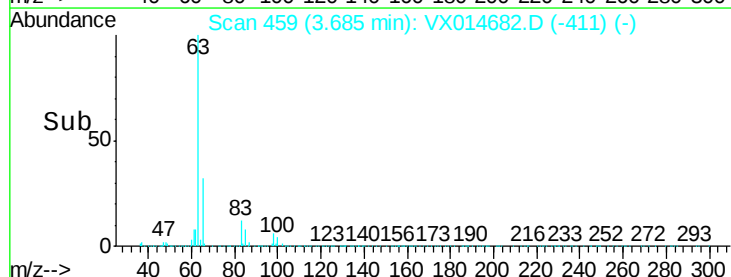
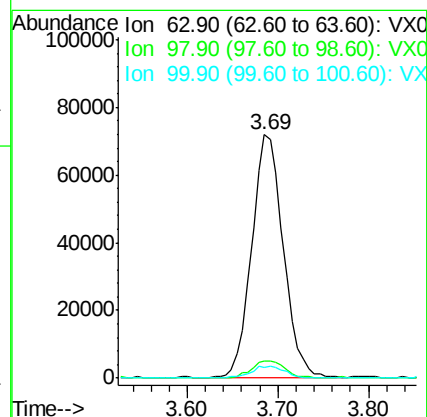
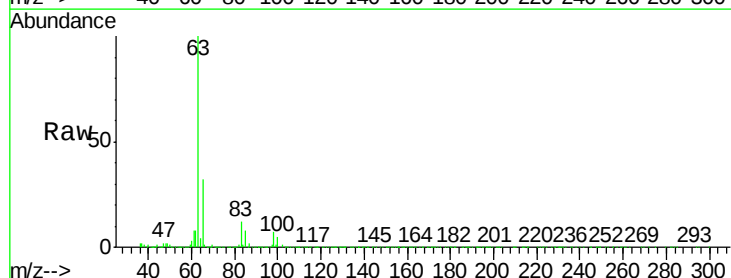
Tgt Ion: 63 Resp: 174248

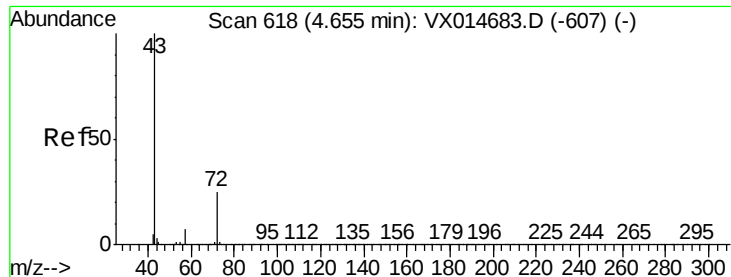
Ion Ratio Lower Upper

63 100

98 6.5 3.6 10.8

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 109.576 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 414600

Ion Ratio Lower Upper

43 100

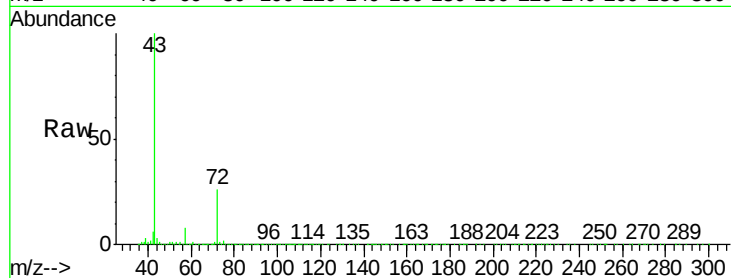
72 26.0 19.9 29.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

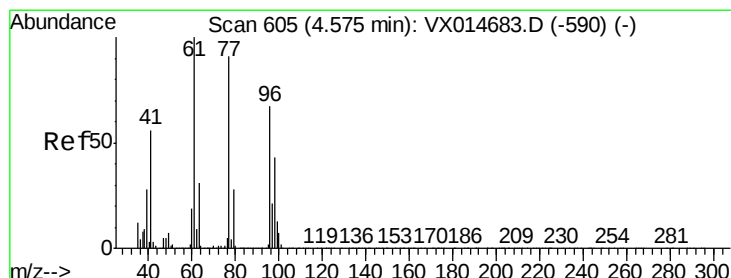
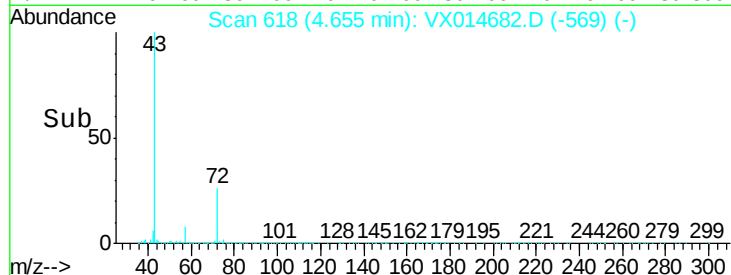
100000

50000

0

4.60 4.65 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.379 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX014682.D

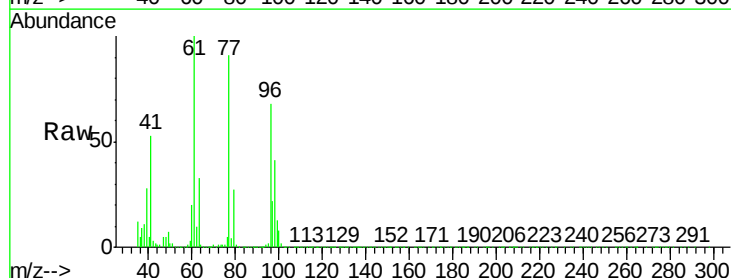
Acq: 22 Jan 2020 11:04

Tgt Ion: 77 Resp: 134414

Ion Ratio Lower Upper

77 100

97 24.5 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

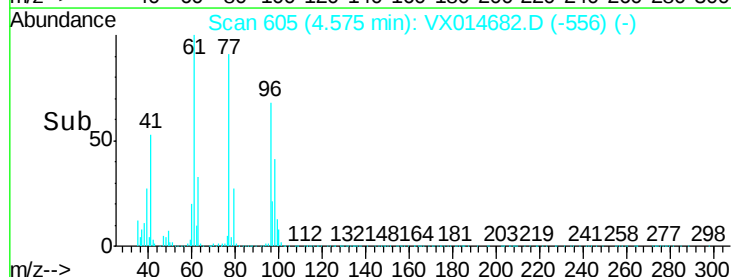
20000

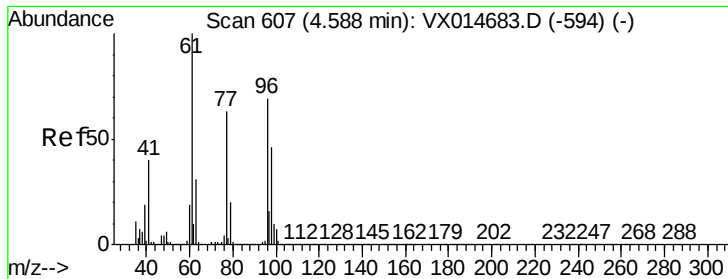
10000

0

4.40 4.50 4.58 4.60 4.70

Time-->





#27

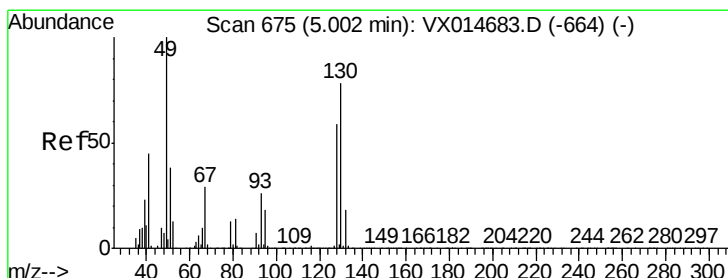
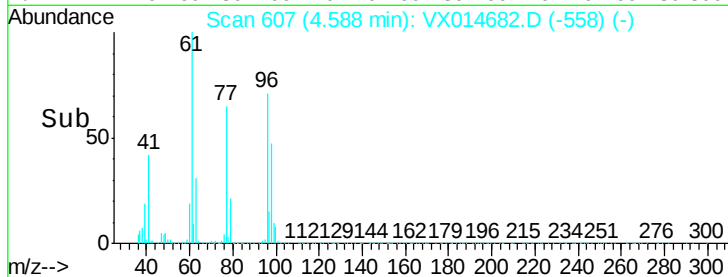
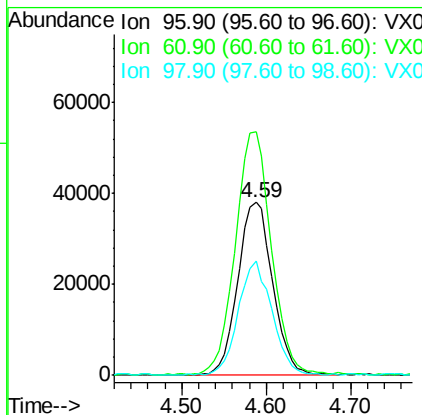
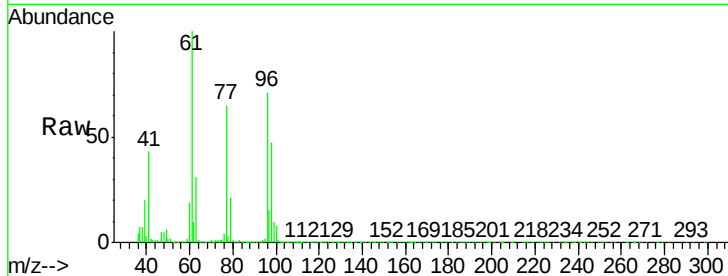
cis-1,2-Dichloroethene
Concen: 19.496 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.9	0.0	291.0	
98	63.7	0.0	129.8	

Manual Integrations
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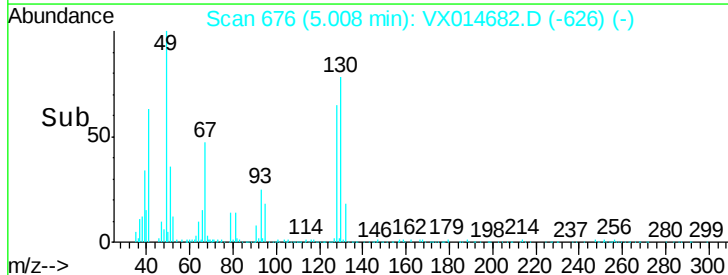
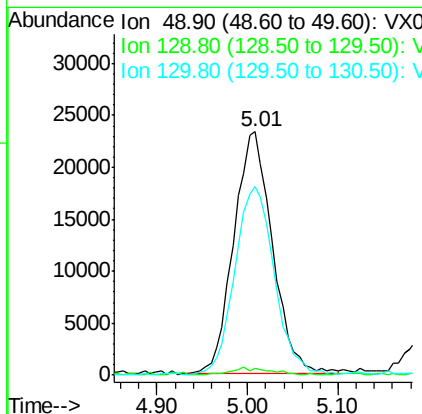
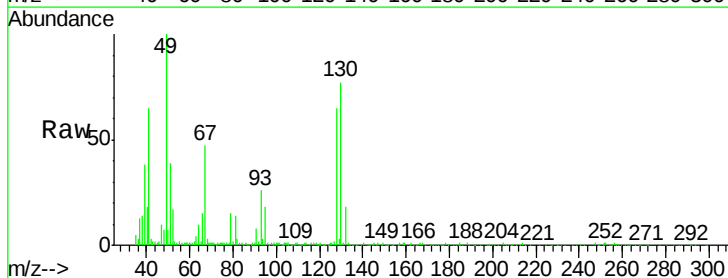
MMDadoda
1/24/2020 1:39:02 PM

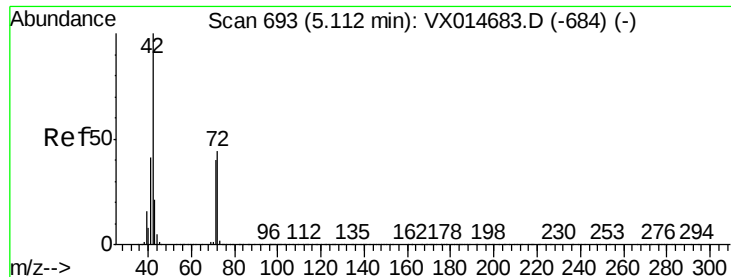


#28

Bromochloromethane
Concen: 19.722 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.2	0.0	4.8	
130	80.1	62.4	93.6	





#29

Tetrahydrofuran

Concen: 110.953 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Instrument :

MSVOA_X

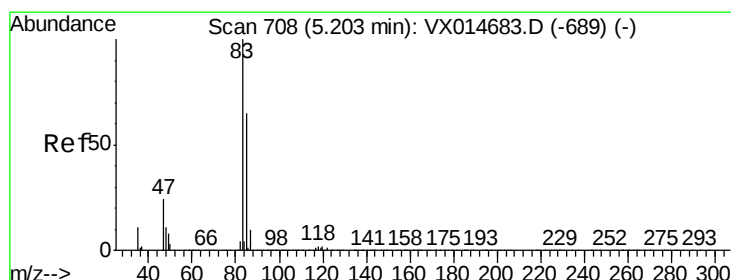
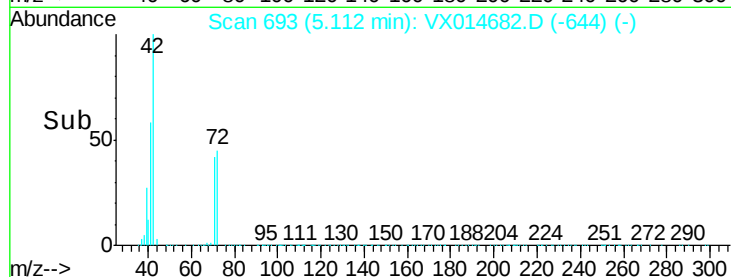
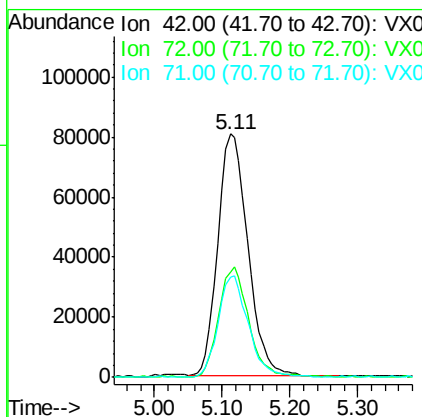
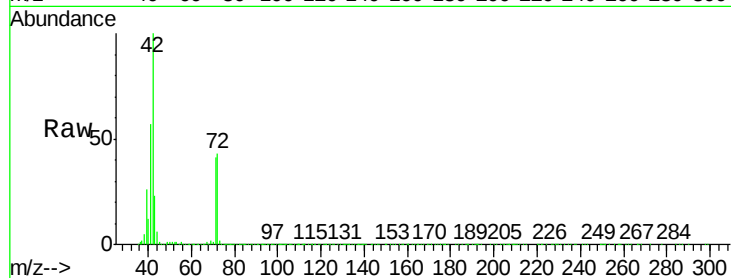
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	247829
Ion Ratio		Lower	Upper
42	100		
72	45.9	35.3	52.9
71	41.5	33.1	49.7

Manual Integrations
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MMDadoda
1/24/2020 1:39:02 PM



#30

Chloroform

Concen: 20.684 ug/l

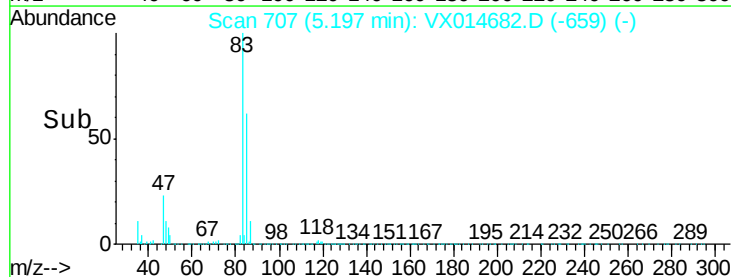
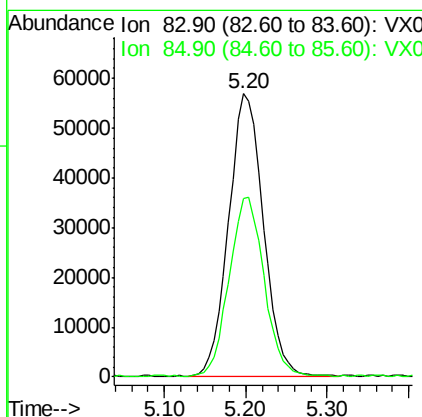
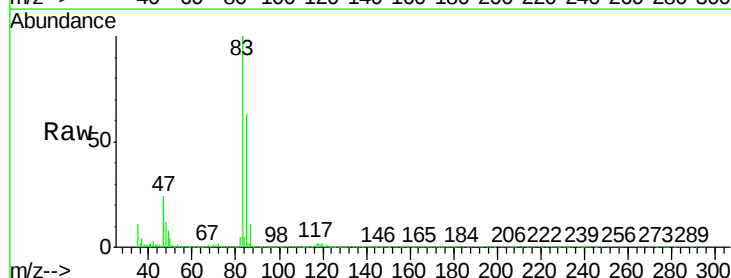
RT: 5.20 min Scan# 707

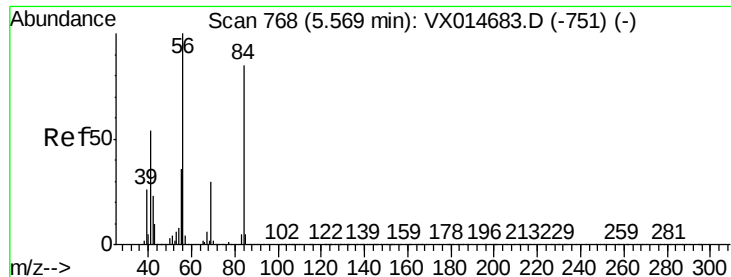
Delta R.T. -0.01 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Tgt Ion:	83	Resp:	167035
Ion Ratio		Lower	Upper
83	100		
85	62.8	51.7	77.5





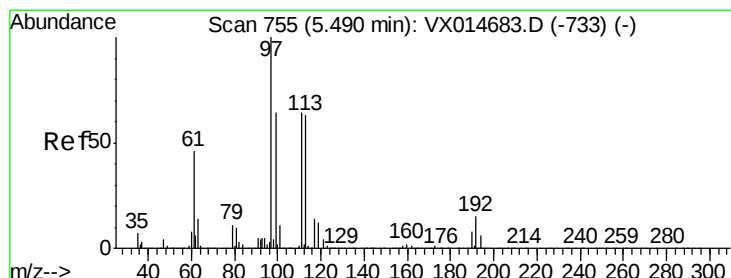
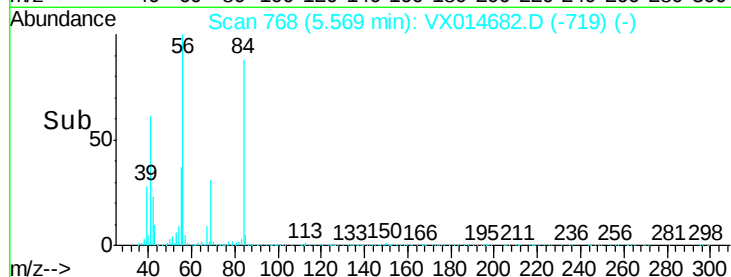
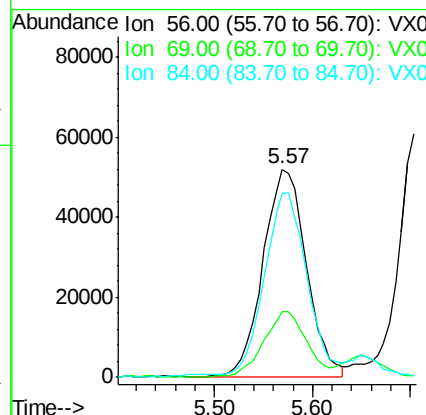
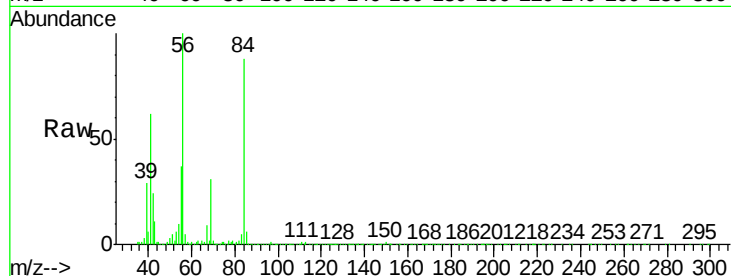
#31
Cyclohexane
Concen: 20.858 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	23.4	35.2
84	86.7	68.4	102.6

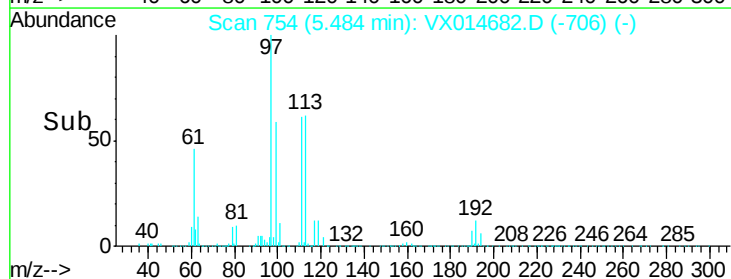
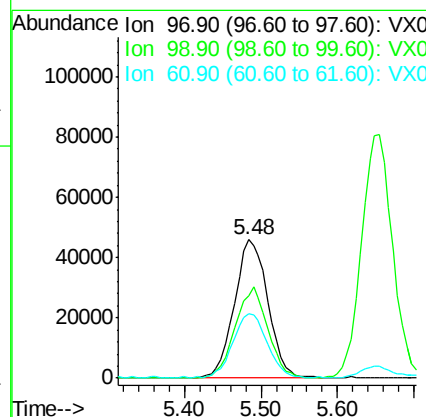
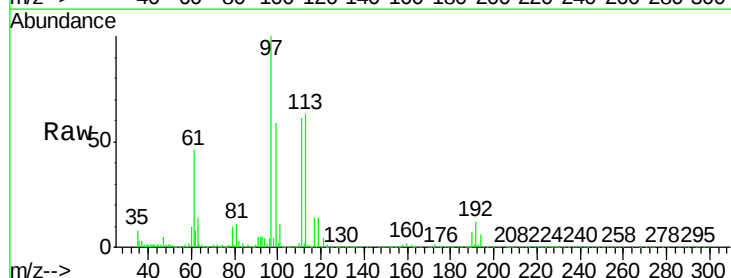
Manual Integrations
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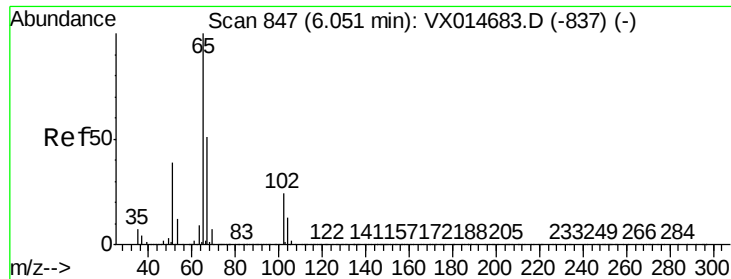
MMDadoda
1/24/2020 1:39:02 PM



#32
1,1,1-Trichloroethane
Concen: 20.200 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.3	78.5
61	47.1	37.2	55.8





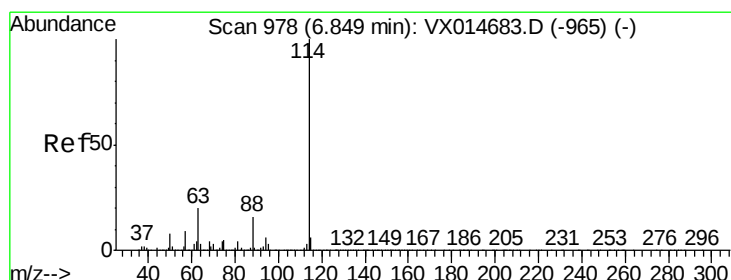
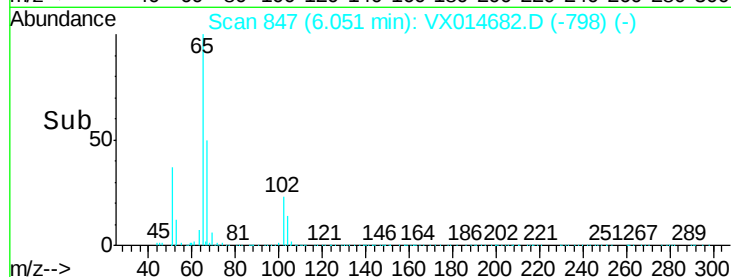
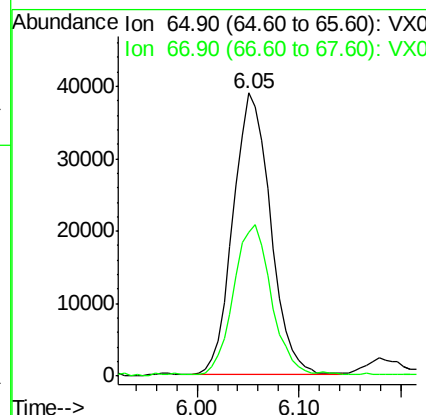
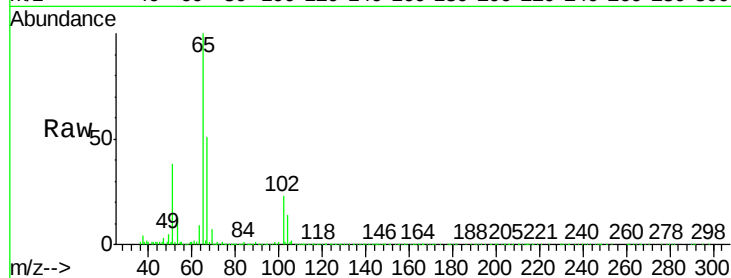
#33
 1,2-Dichloroethane-d4
 Concen: 19.589 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014682.D
 Acq: 22 Jan 2020 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	99198		
67	53.7	0.0	107.4	

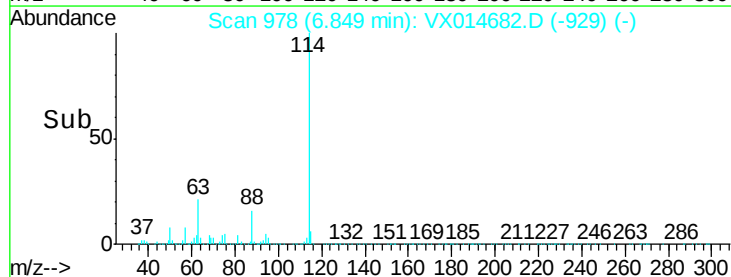
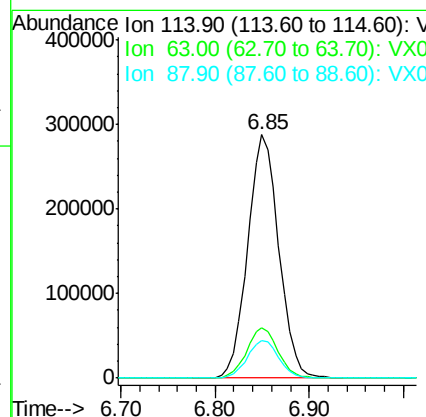
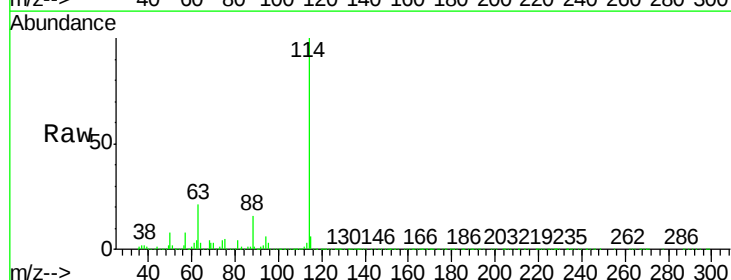
Manual Integrations
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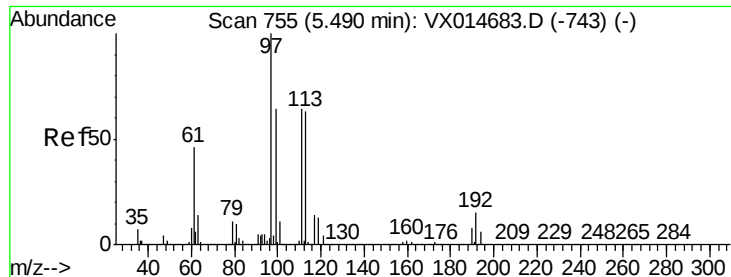
MMDadoda
 1/24/2020 1:39:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014682.D
 Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	665965		
63	20.5	0.0	40.6	
88	15.6	0.0	31.2	





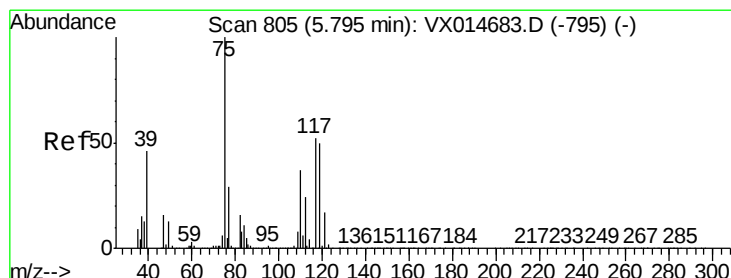
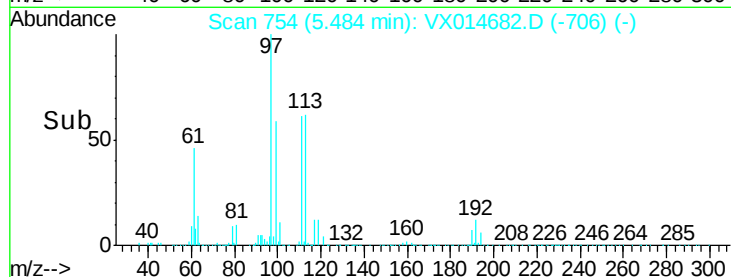
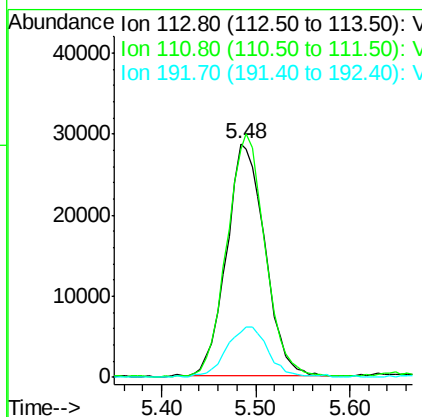
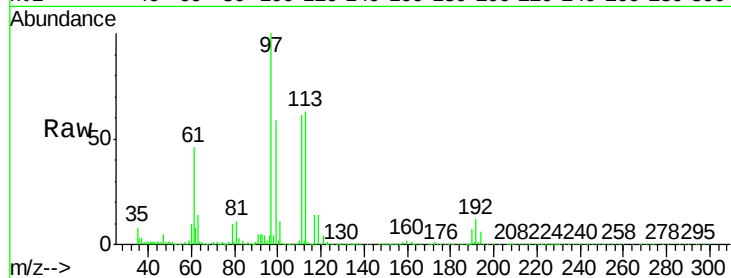
#35
 Dibromofluoromethane
 Concen: 19.960 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX014682.D
 Acq: 22 Jan 2020 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.7	121.1
192	23.7	18.5	27.7

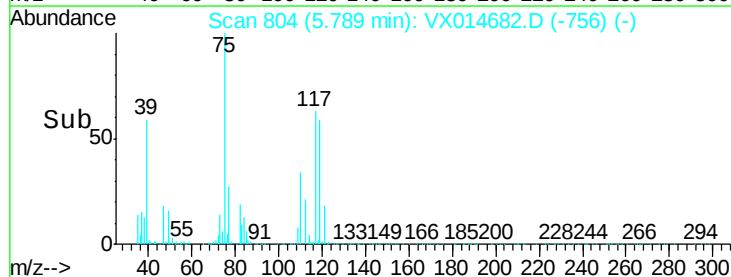
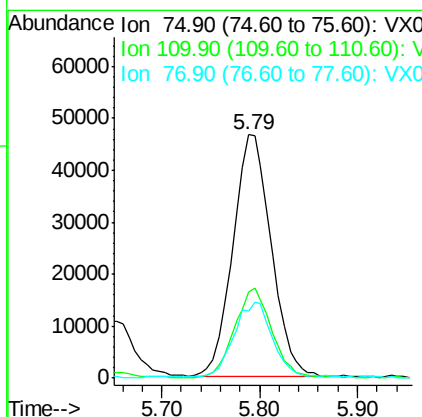
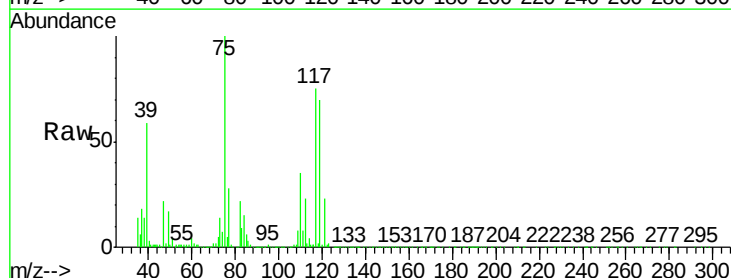
Manual Integrations
 APPROVED

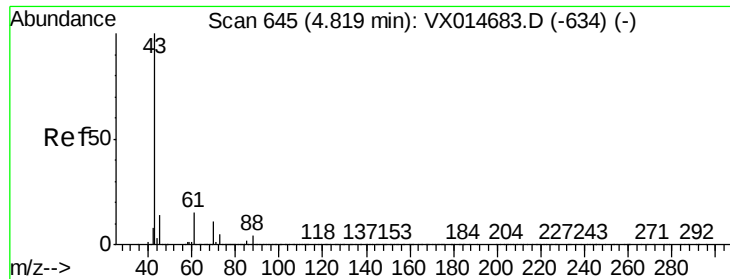
MMDadoda
 1/24/2020 1:39:02 PM



#36
 1,1-Dichloropropene
 Concen: 20.043 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX014682.D
 Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.9	53.7
77	30.4	24.1	36.1





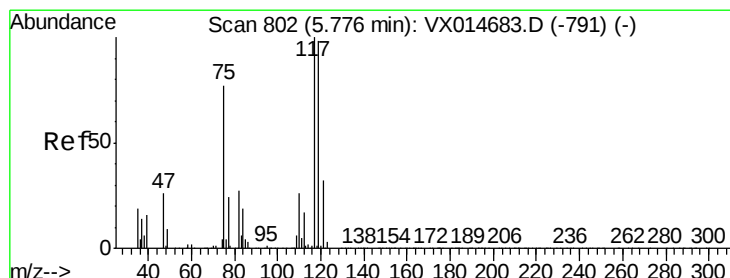
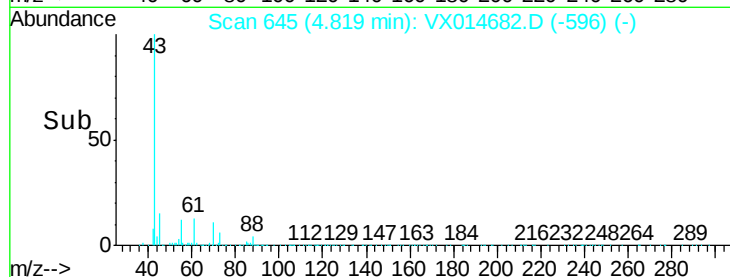
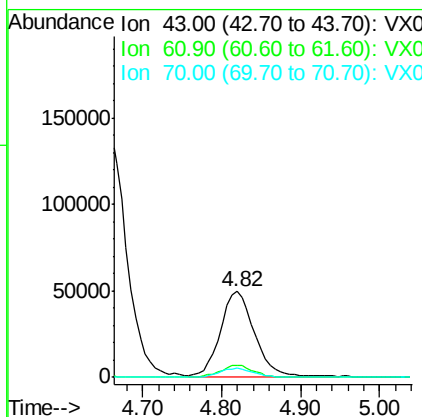
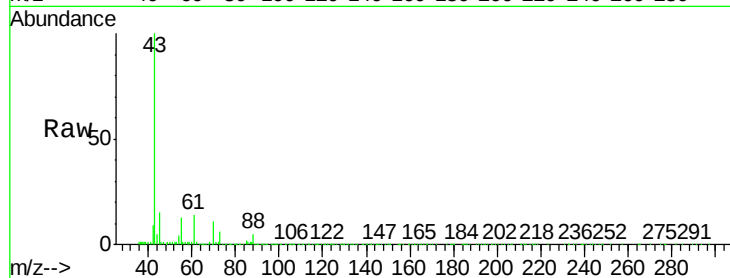
#37
Ethyl Acetate
Concen: 21.490 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.0	16.4
70	9.6	8.5	12.7

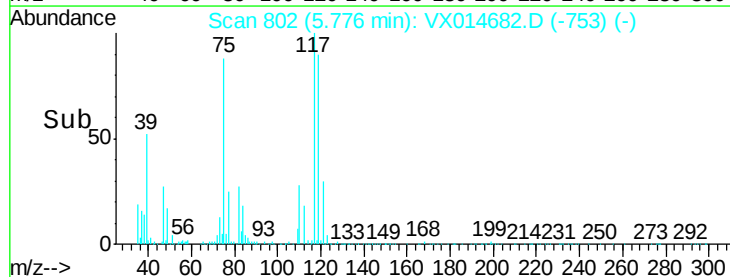
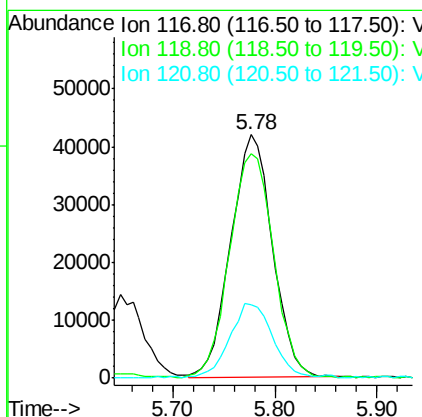
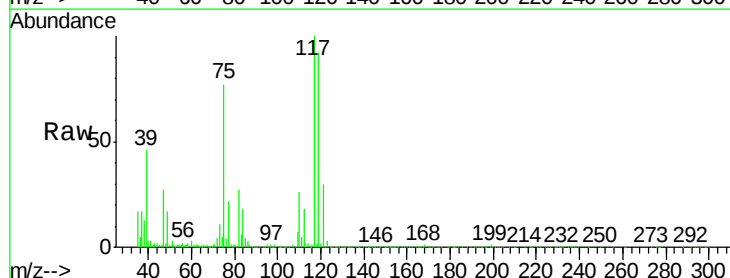
Manual Integrations
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1/24/2020 1:39:02 PM



#38
Carbon Tetrachloride
Concen: 20.577 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	77.9	116.9
121	29.8	25.4	38.2





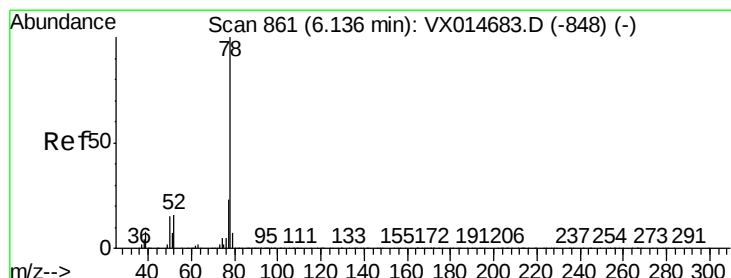
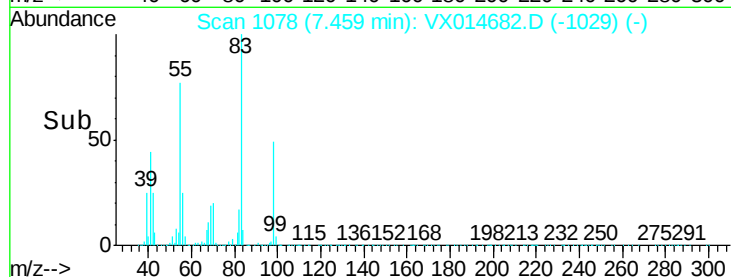
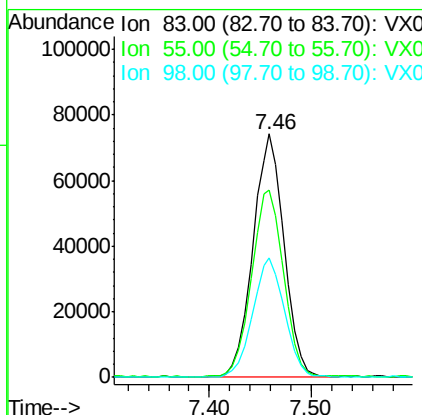
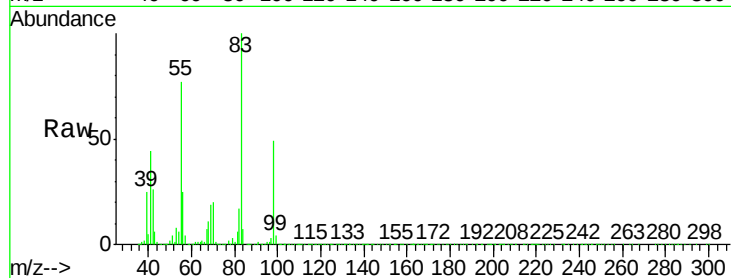
#39
Methvlcvclohexane
Concen: 19.930 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	65.6	98.4
98	49.0	40.2	60.4

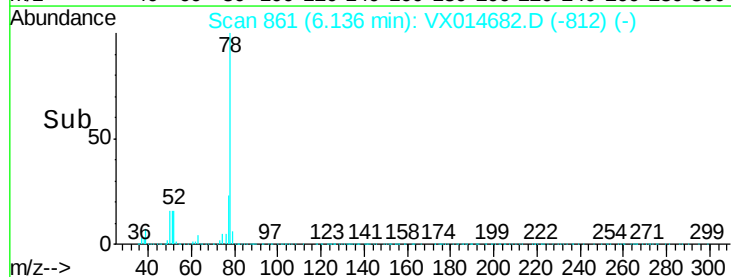
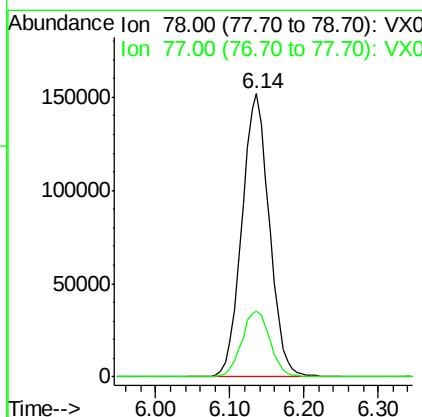
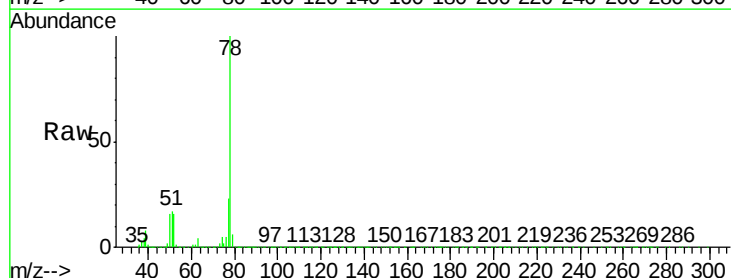
Manual Integrations
APPROVED

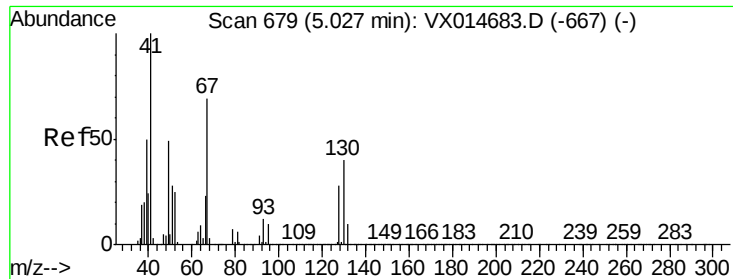
MMDadoda
1/24/2020 1:39:02 PM



#40
Benzene
Concen: 20.834 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1





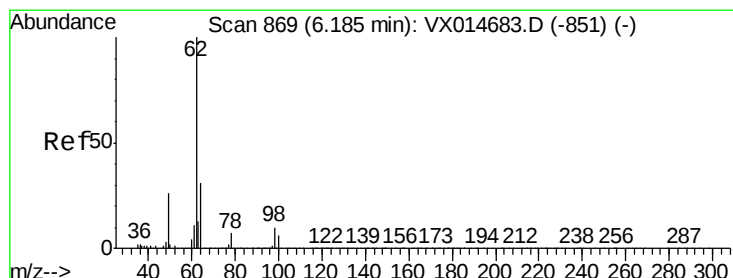
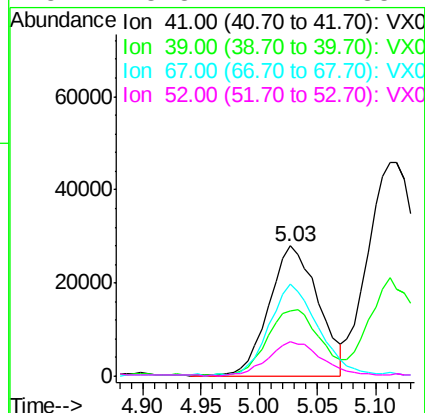
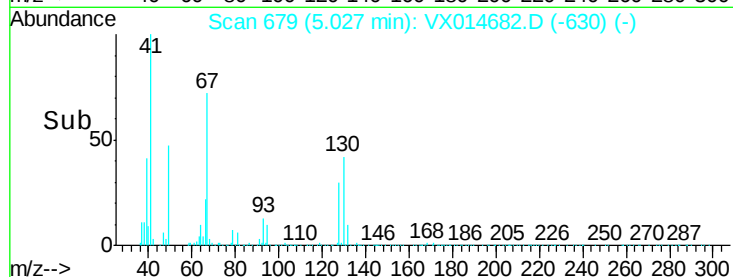
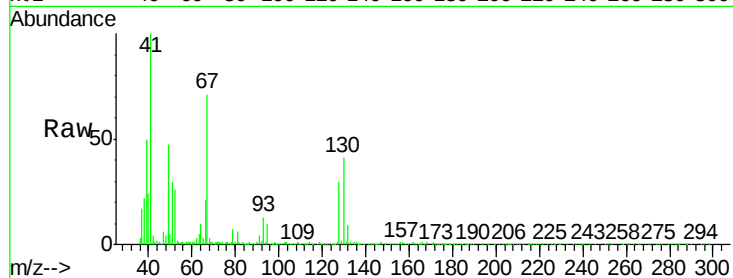
#41
Methacrylonitrile
Concen: 22.446 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.9	42.2	63.2	
67	71.1	55.4	83.0	
52	28.8	22.1	33.1	

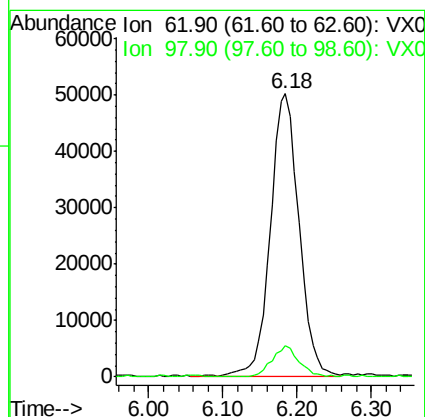
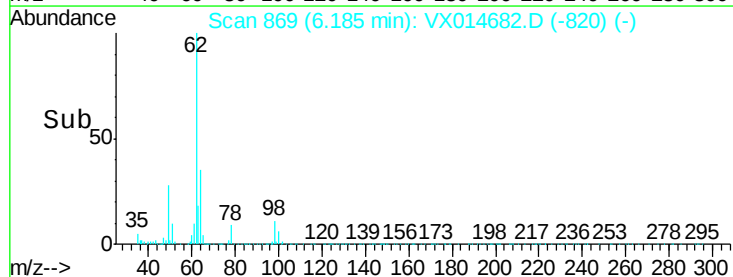
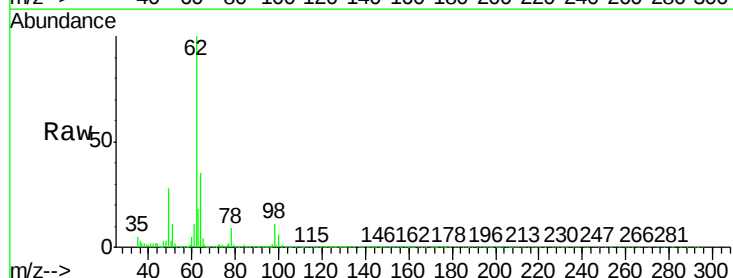
Manual Integrations
APPROVED

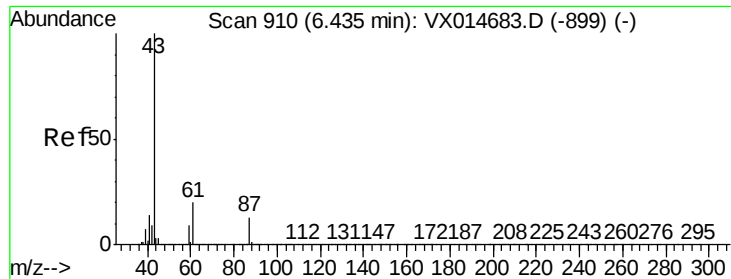
MMDadoda
1/24/2020 1:39:02 PM



#42
1,2-Dichloroethane
Concen: 20.581 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	20.0	





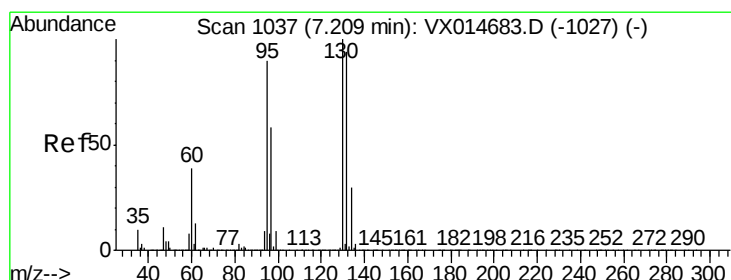
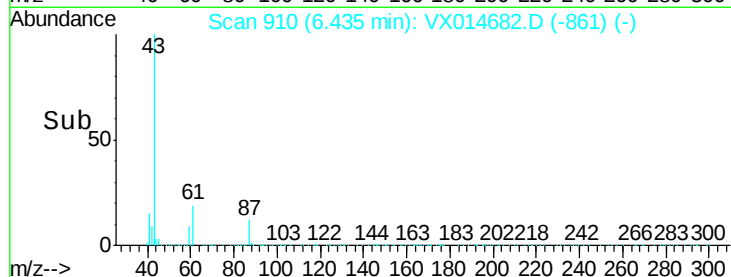
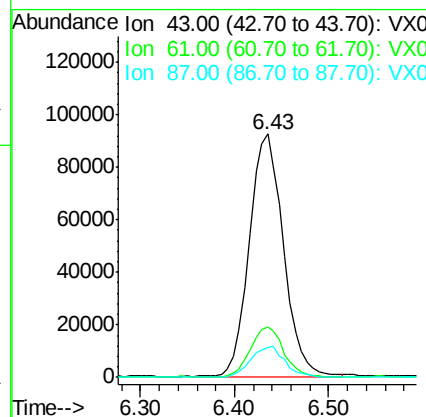
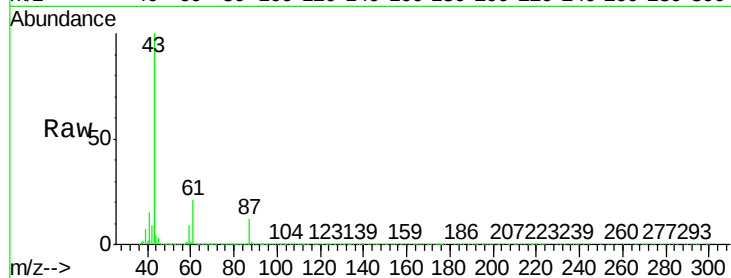
#43
Isopropyl Acetate
Concen: 21.043 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.2	24.4
87	13.0	10.5	15.7

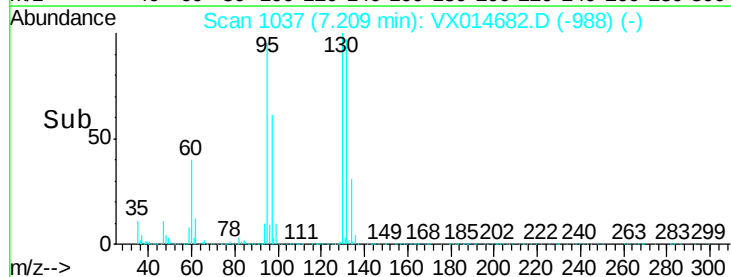
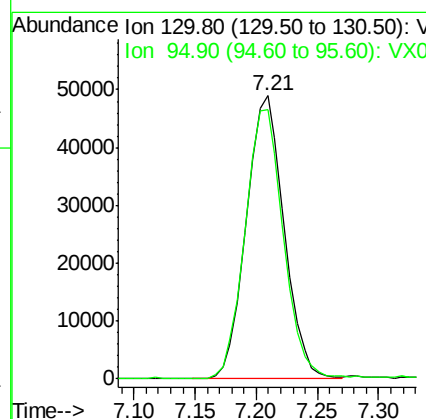
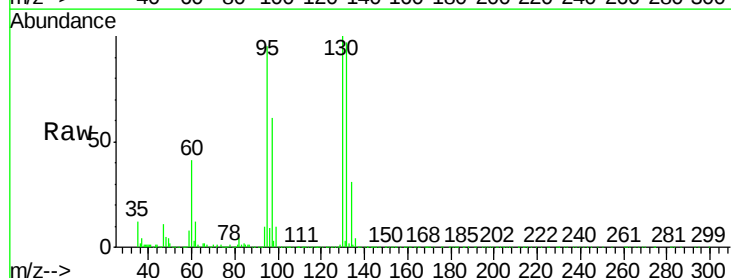
Manual Integrations
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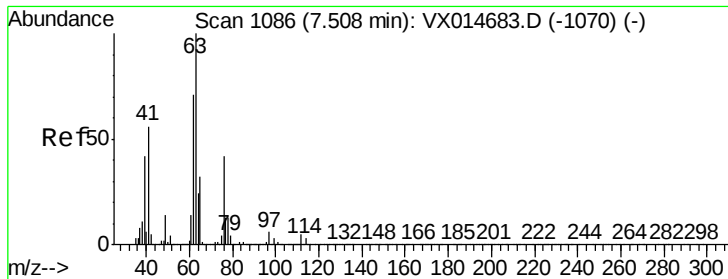
MMDadoda
1/24/2020 1:39:02 PM



#44
Trichloroethene
Concen: 19.613 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	179.8





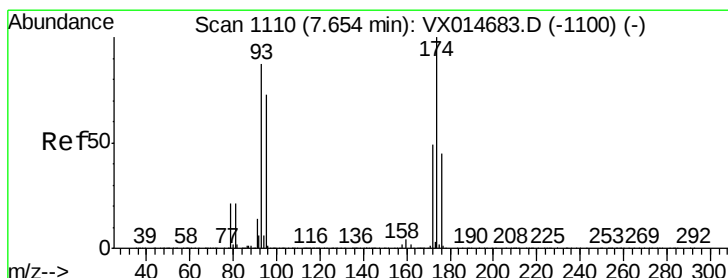
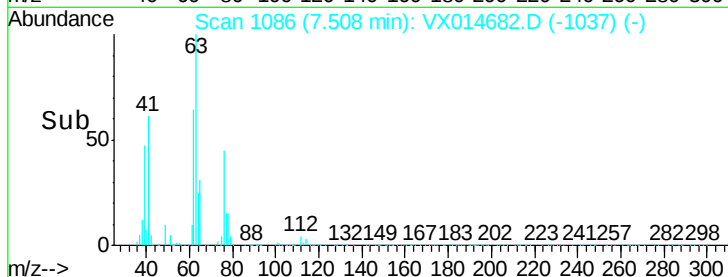
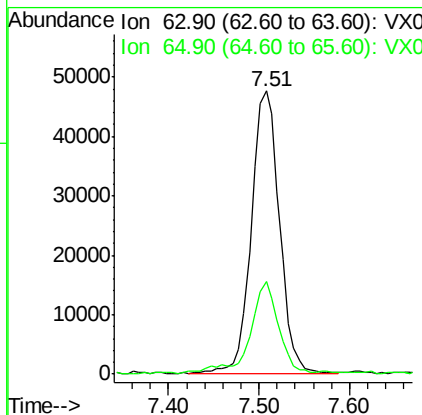
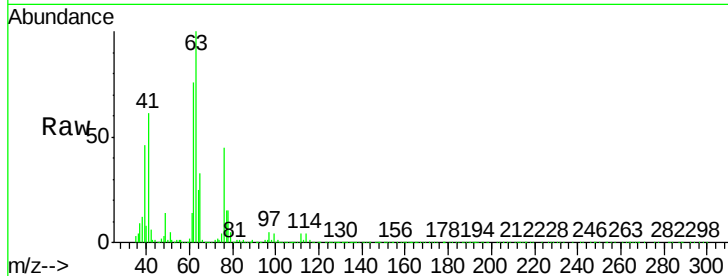
#45
 1,2-Dichloropropane
 Concen: 21.293 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014682.D
 Acq: 22 Jan 2020 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.2	37.8

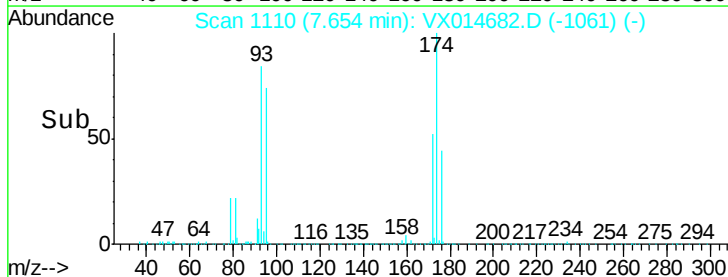
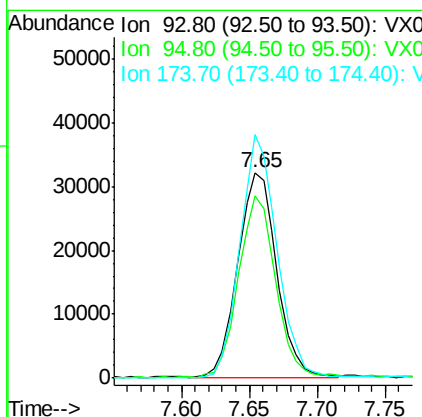
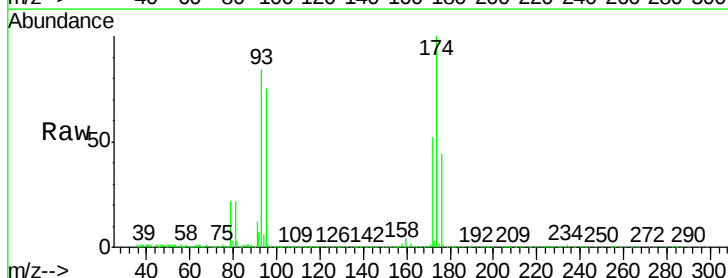
Manual Integrations
 APPROVED

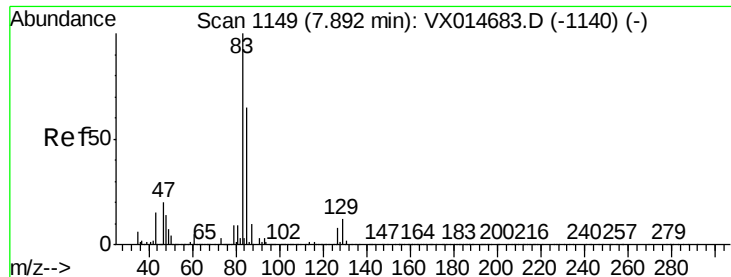
MMDadoda
 1/24/2020 1:39:02 PM



#46
 Dibromomethane
 Concen: 19.125 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014682.D
 Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.0	67.0	100.4
174	114.6	90.2	135.2





#47

Bromodichloromethane

Concen: 20.403 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014682.D

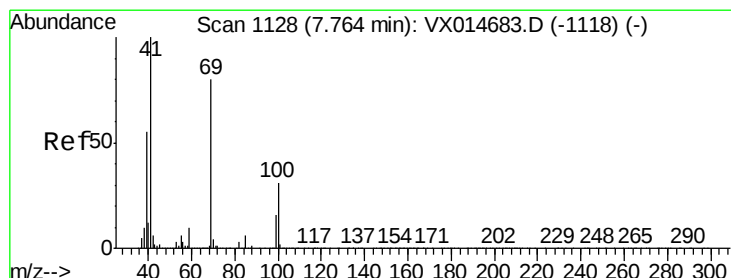
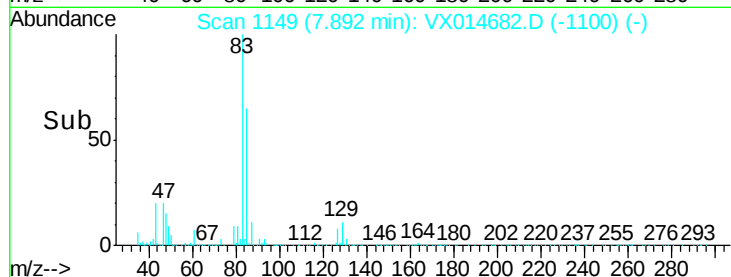
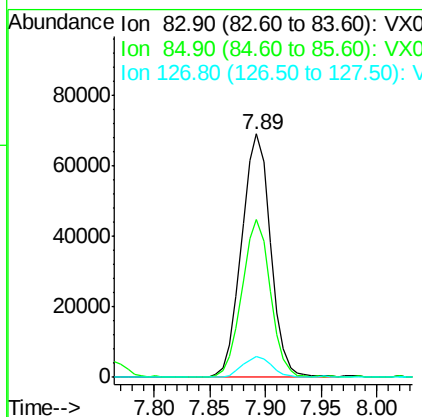
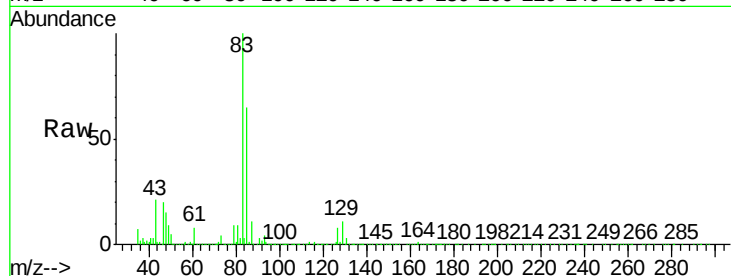
Acq: 22 Jan 2020 11:04

Tot Ion:	83	Resp:	124173
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.2
127	8.4	6.4	9.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Manual Integrations
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MMDadoda
1/24/2020 1:39:02 PM



#48

Methyl methacrylate

Concen: 21.268 ug/l

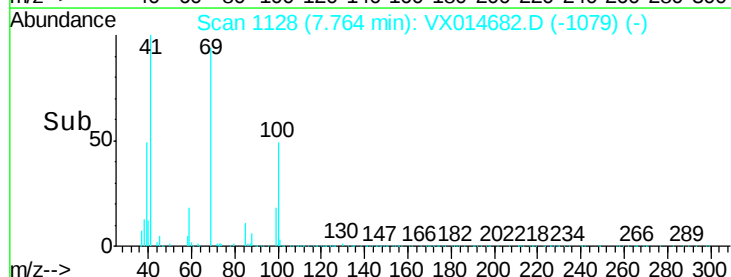
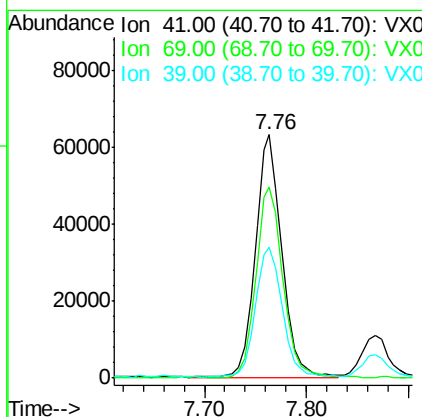
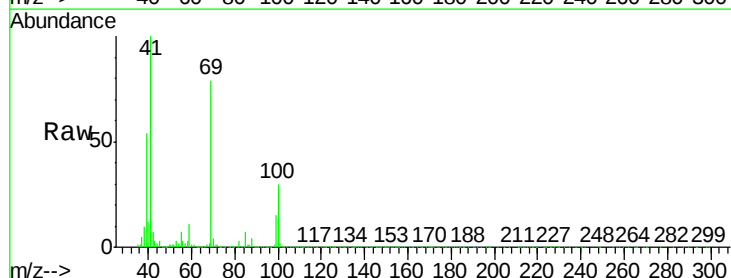
RT: 7.76 min Scan# 1128

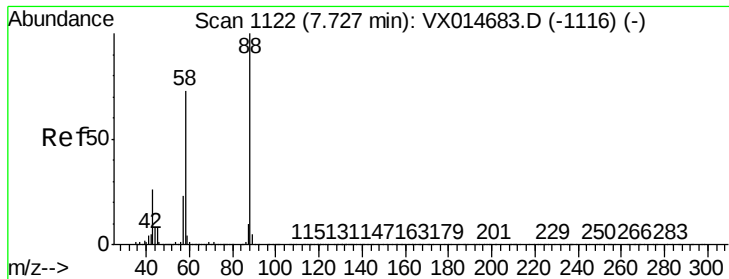
Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Tgt Ion:	41	Resp:	113418
Ion	Ratio	Lower	Upper
41	100		
69	81.9	63.5	95.3
39	55.4	43.7	65.5





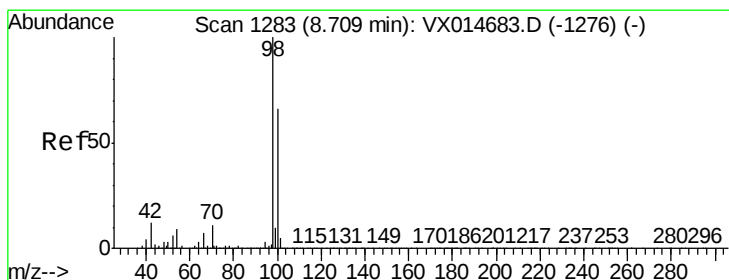
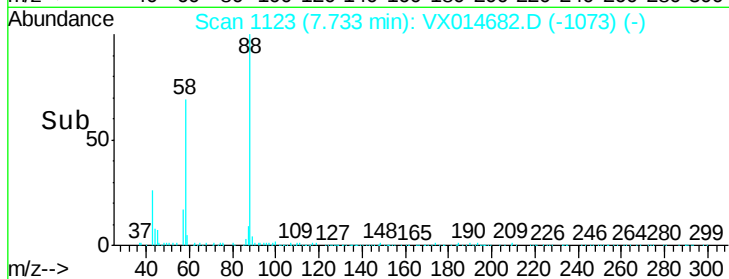
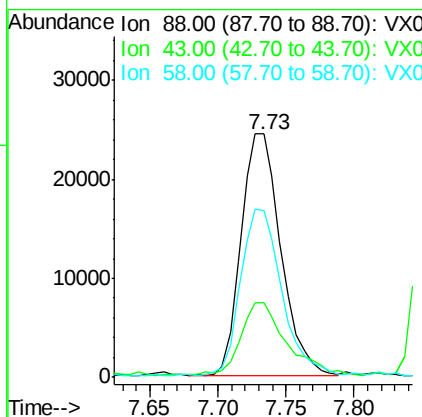
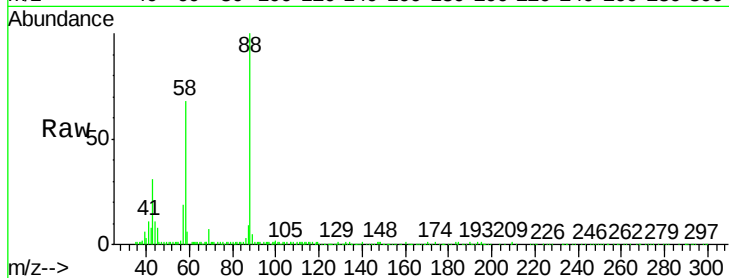
#49
1,4-Dioxane
Concen: 447.037 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	26.2	39.2
58	71.8	56.6	85.0

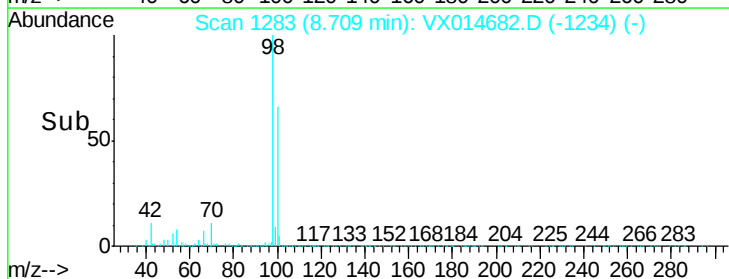
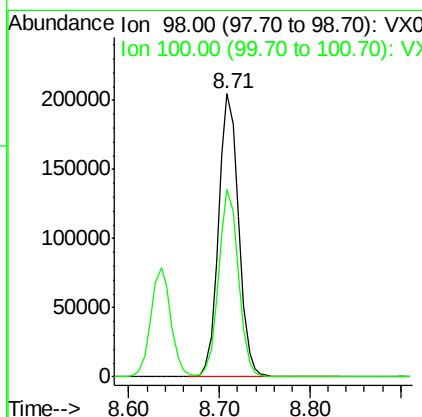
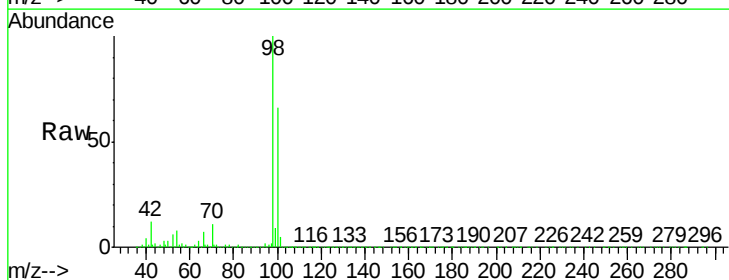
Manual Integrations
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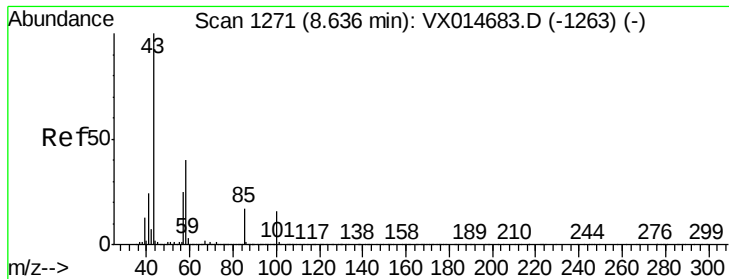
MMDadoda
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#50
Toluene-d8
Concen: 20.001 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.0	79.6





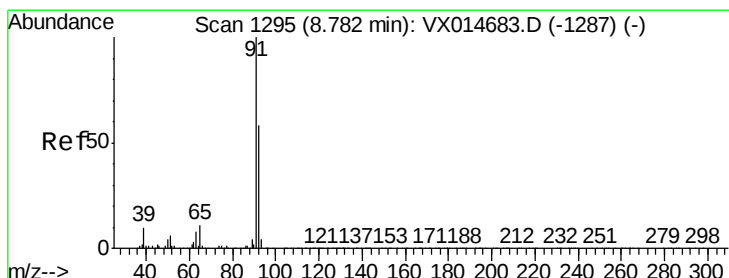
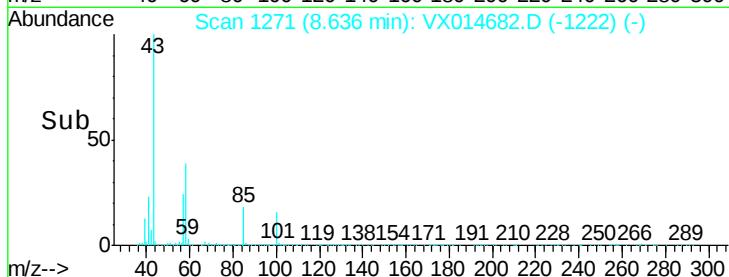
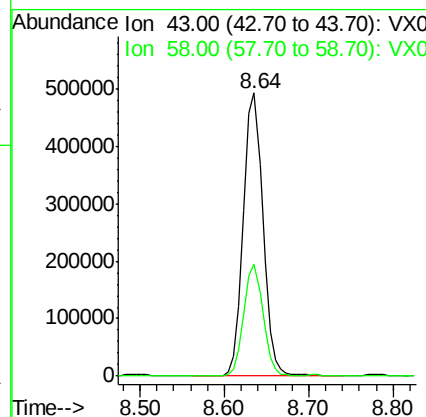
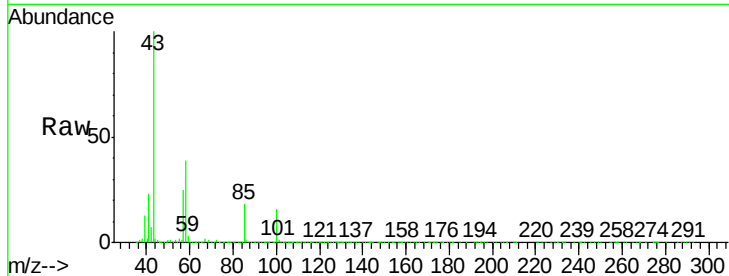
#51
4-Methyl-2-Pentanone
Concen: 113.345 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.7	31.6	47.4

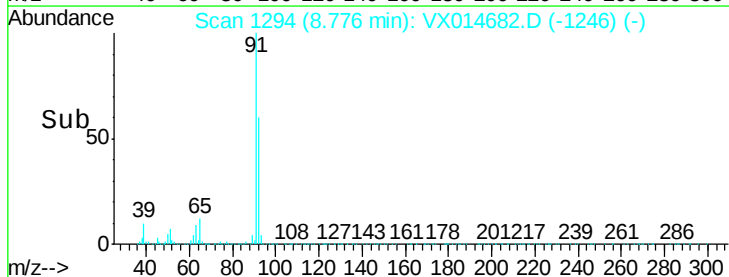
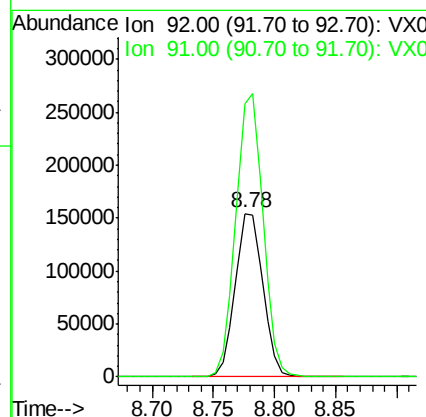
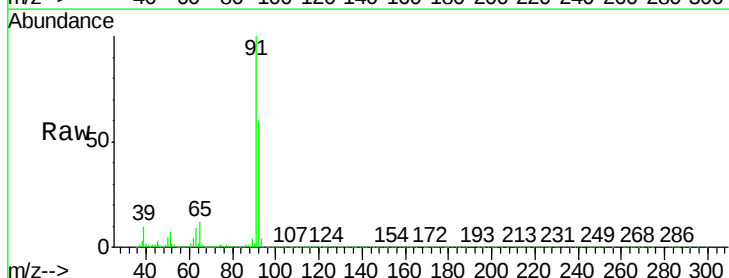
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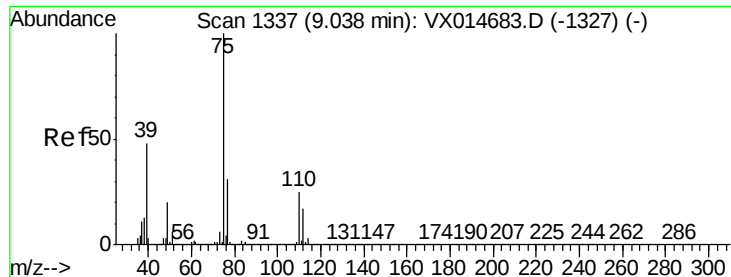
MMDadoda
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#52
Toluene
Concen: 20.205 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.5	135.9	203.9





#53

t-1,3-Dichloropropene

Concen: 19.053 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 133989

Ion Ratio Lower Upper

75 100

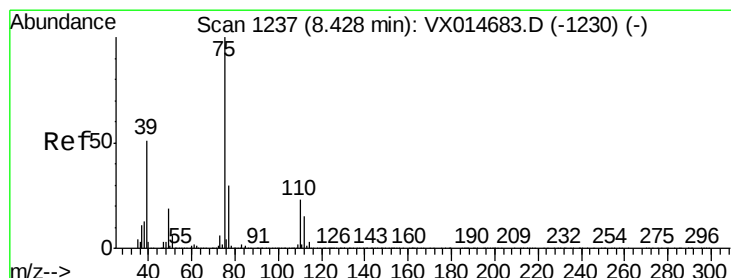
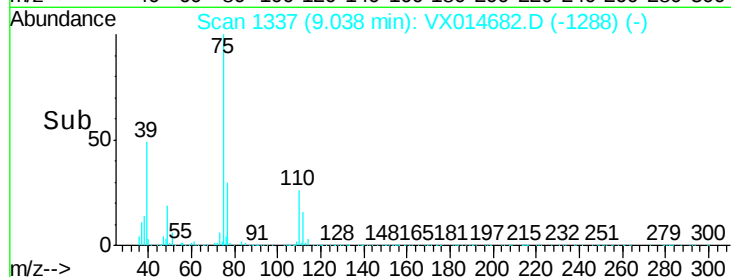
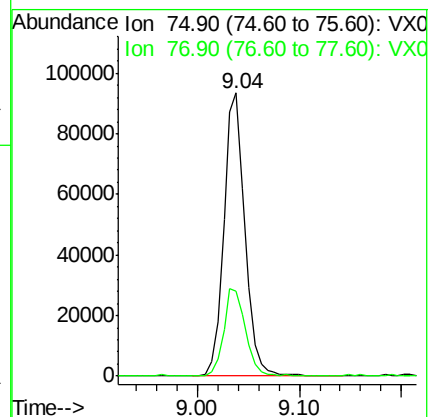
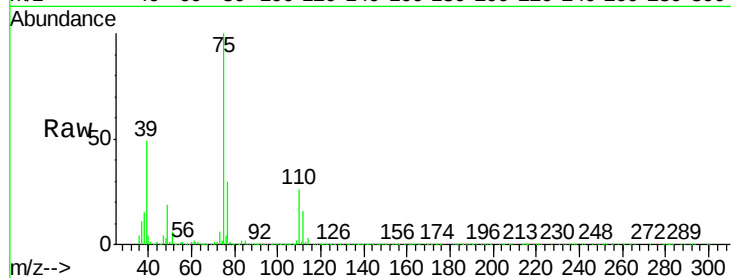
77 29.9 24.9 37.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.751 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

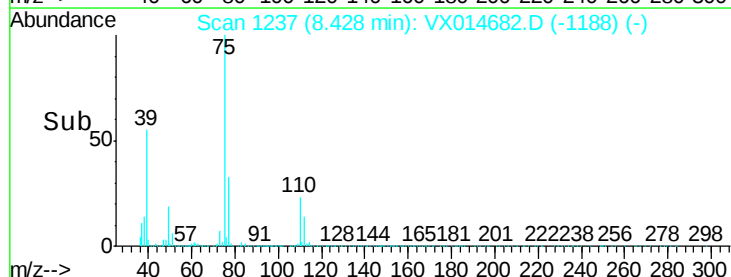
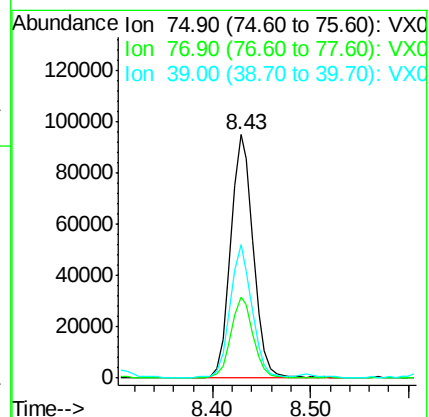
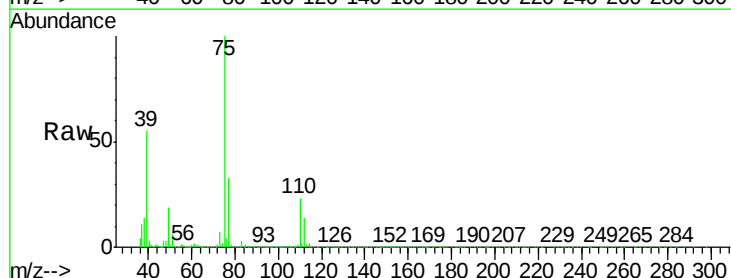
Tgt Ion: 75 Resp: 150325

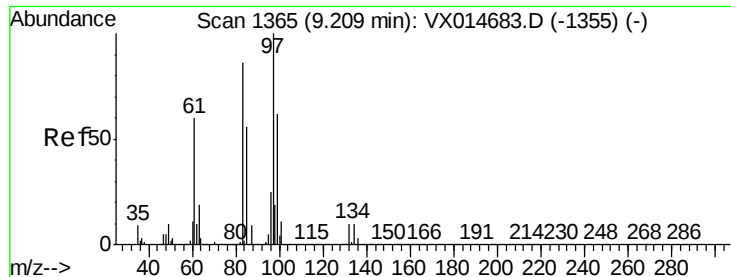
Ion Ratio Lower Upper

75 100

77 33.3 23.9 35.9

39 54.8 40.9 61.3





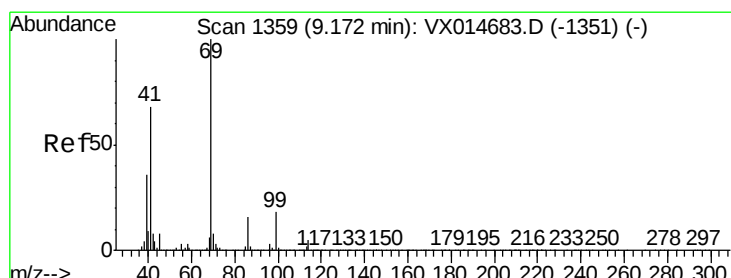
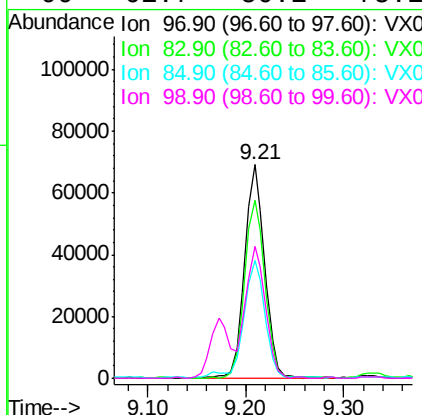
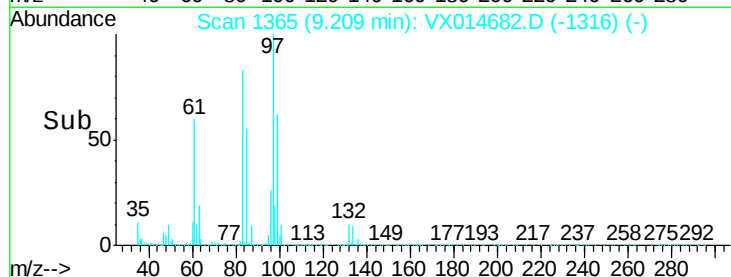
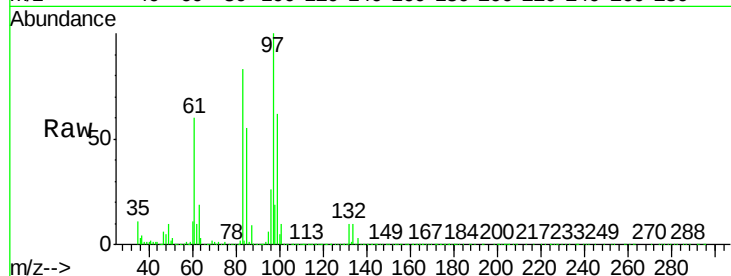
#55
 1,1,2-Trichloroethane
 Concen: 20.261 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014682.D
 Acq: 22 Jan 2020 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		97770		
83	83.1	69.2	103.8		
85	54.8	44.6	67.0		
99	61.7	50.1	75.1		

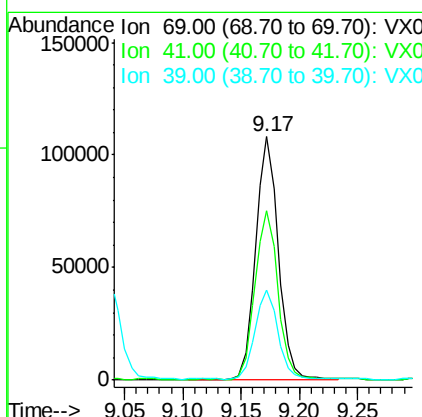
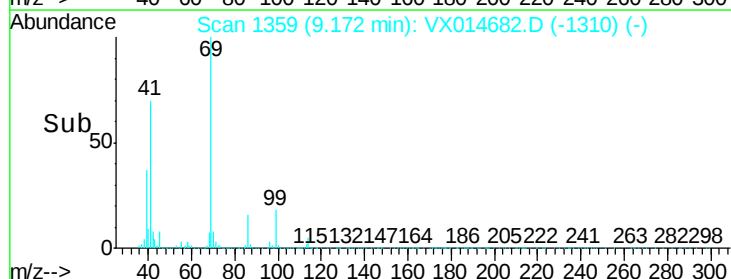
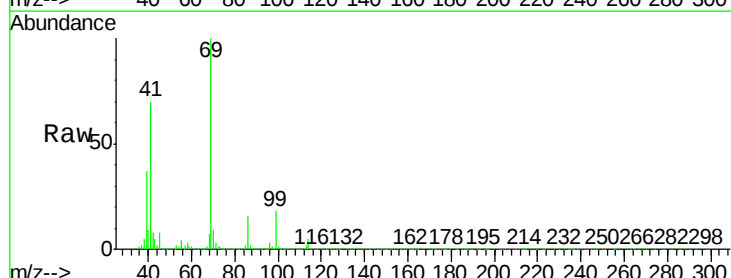
Manual Integrations
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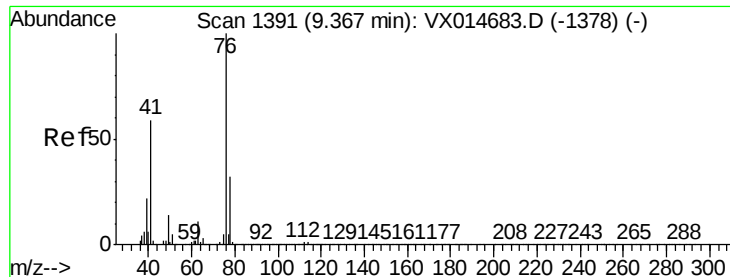
MMDadoda
 1/24/2020 1:39:02 PM



#56
 Ethyl methacrylate
 Concen: 20.064 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014682.D
 Acq: 22 Jan 2020 11:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		147622		
41	69.6	54.9	82.3		
39	37.5	29.3	43.9		





#57

1,3-Dichloropropane

Concen: 20.910 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 169072

Ion Ratio Lower Upper

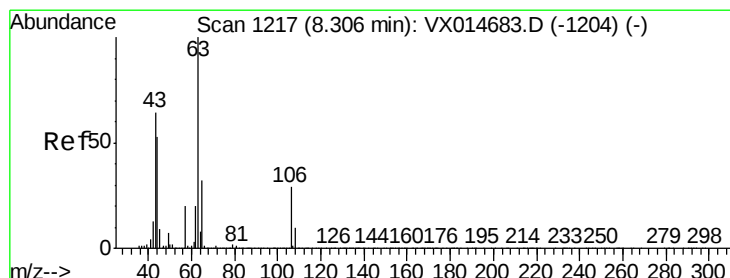
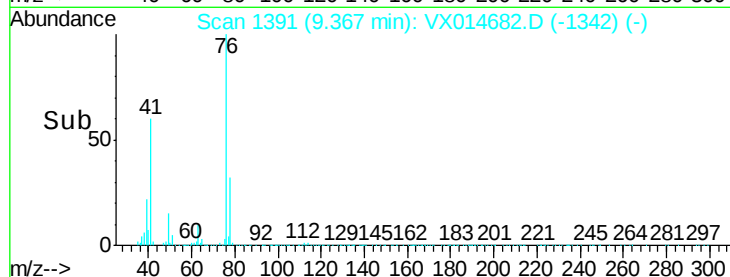
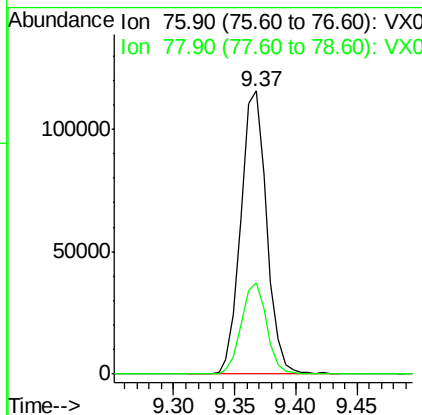
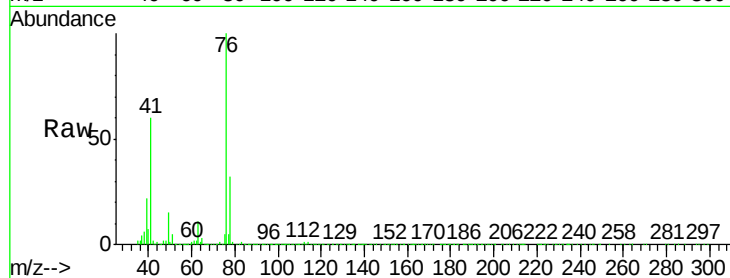
76 100

78 31.7 26.0 39.0

Manual Integrations
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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 96.883 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014682.D

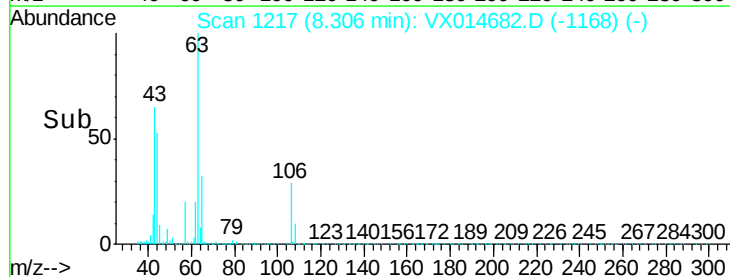
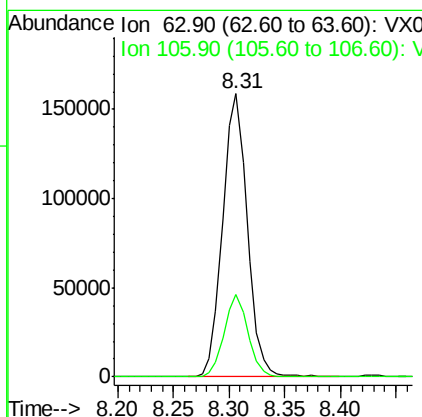
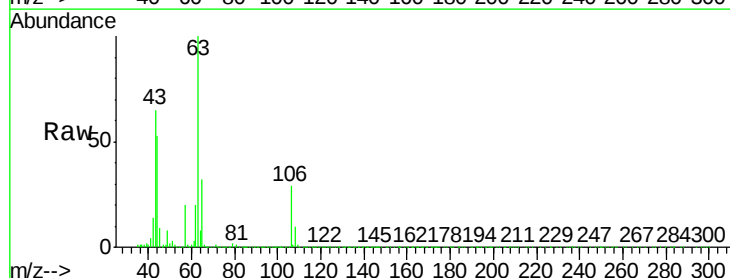
Acq: 22 Jan 2020 11:04

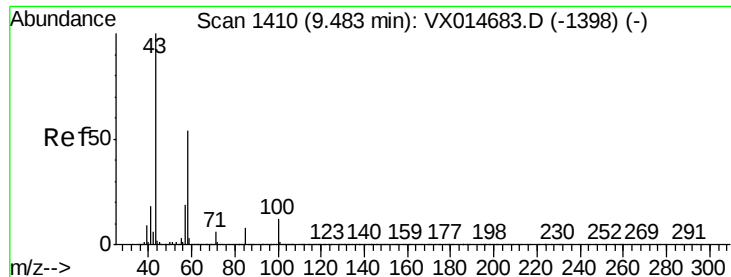
Tgt Ion: 63 Resp: 242856

Ion Ratio Lower Upper

63 100

106 28.2 22.7 34.1





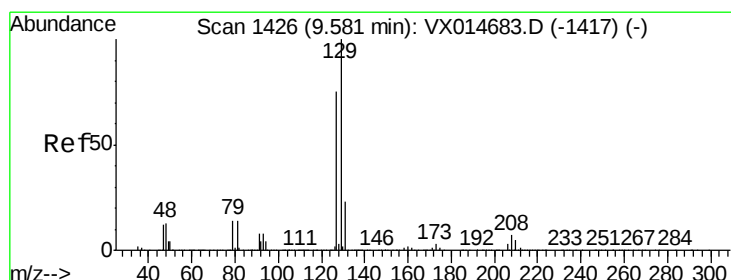
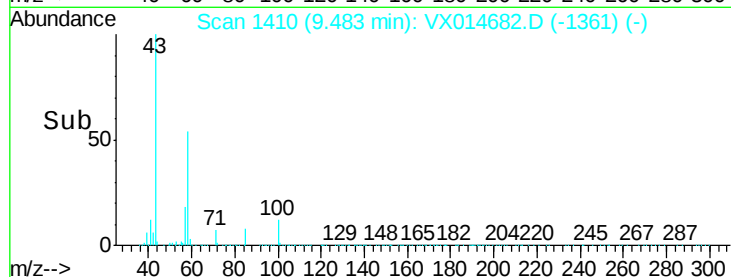
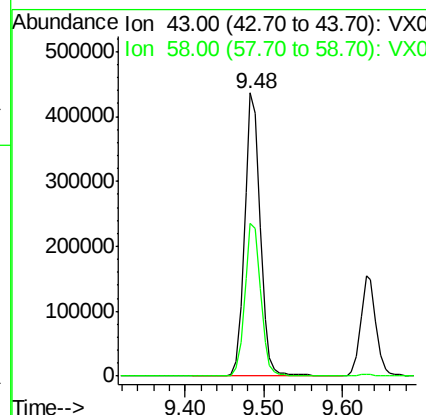
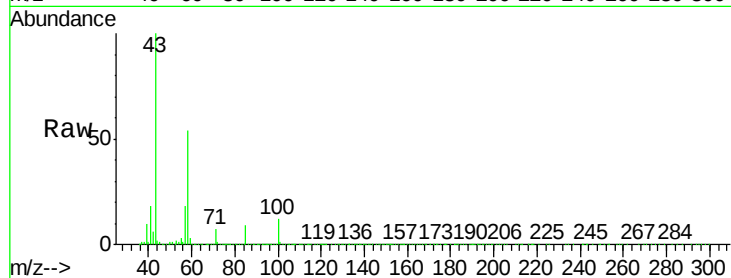
#59
2-Hexanone
Concen: 111.840 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	27.2	81.5

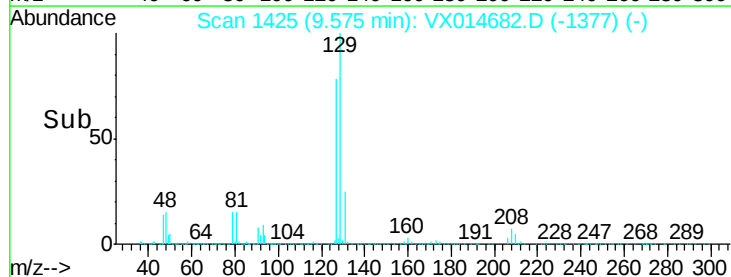
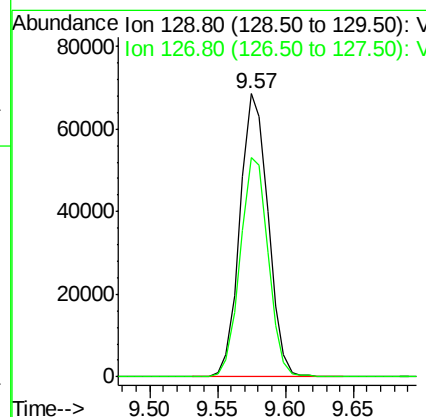
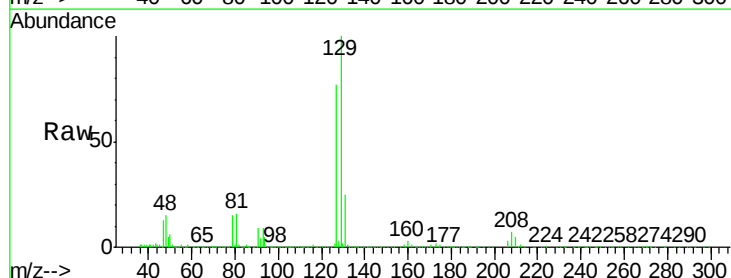
Manual Integrations
APPROVED

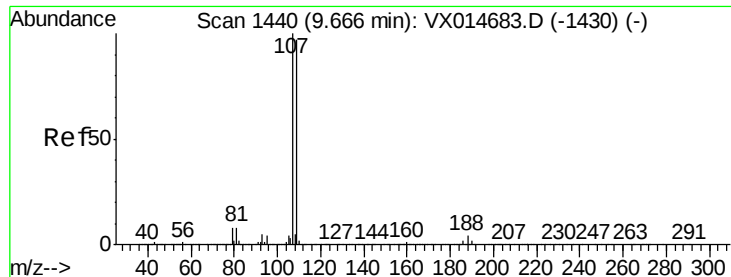
MMDadoda
1/24/2020 1:39:02 PM



#60
Dibromochloromethane
Concen: 20.404 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.5	115.5





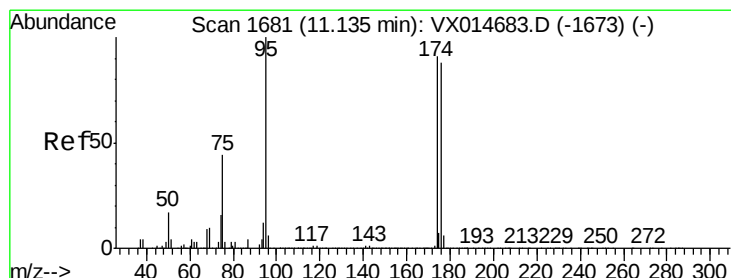
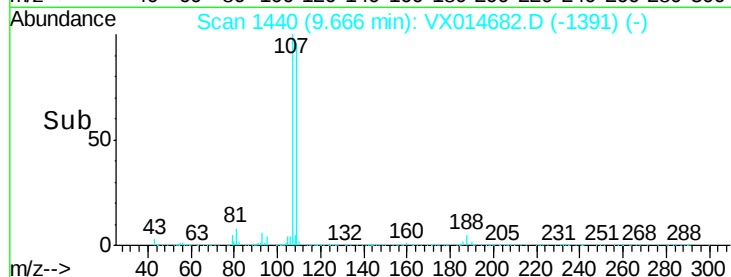
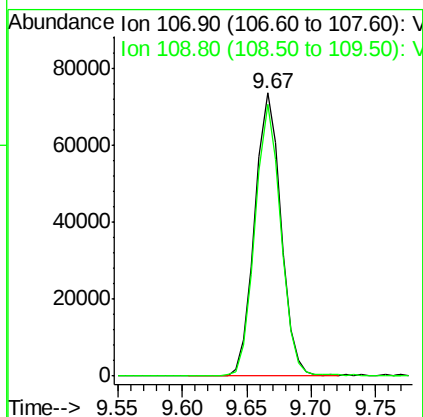
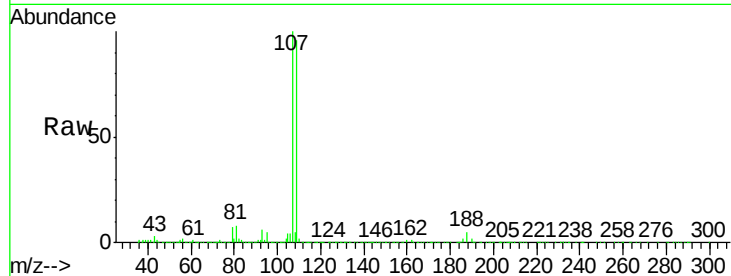
#61
 1,2-Dibromoethane
 Concen: 20.244 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014682.D
 Acq: 22 Jan 2020 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
107	100	103327		
109	93.7	76.2	114.2	

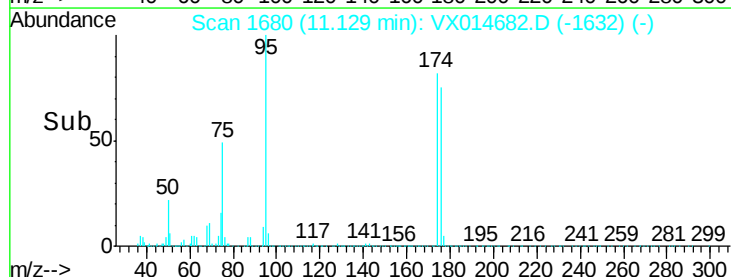
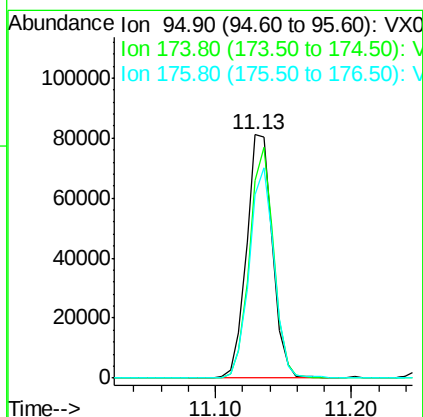
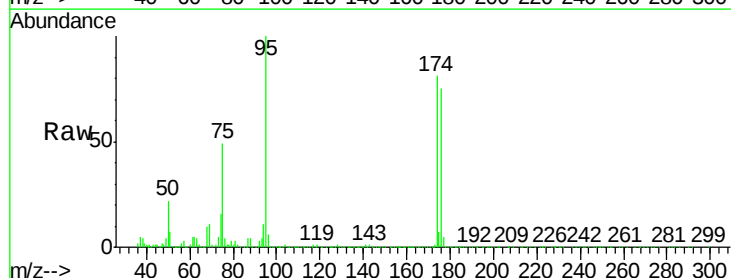
Manual Integrations
 APPROVED

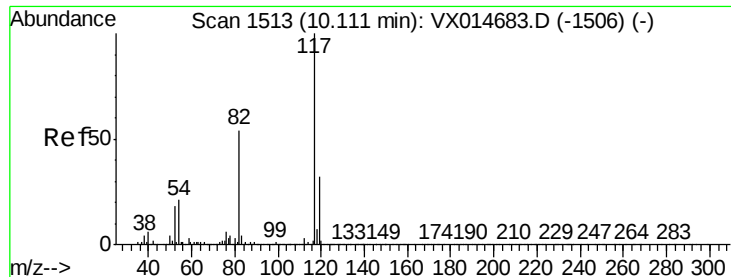
MMDadoda
 1/24/2020 1:39:02 PM



#62
 4-Bromofluorobenzene
 Concen: 18.778 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014682.D
 Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	108091		
174	89.0	0.0	176.0	
176	83.4	0.0	172.2	





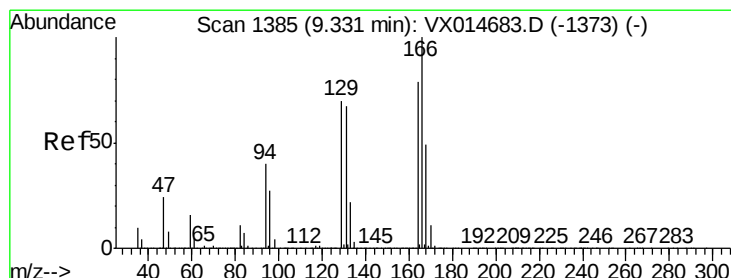
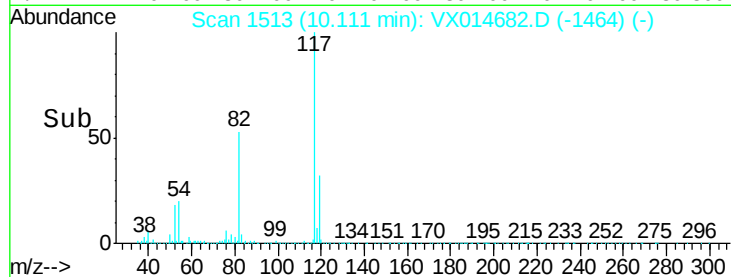
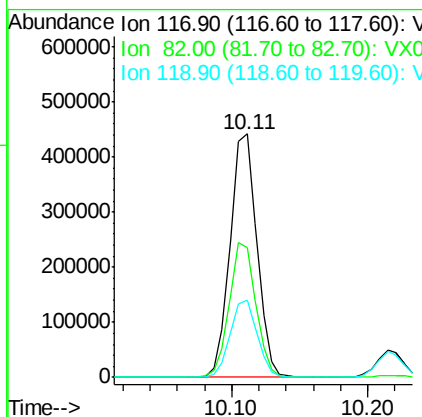
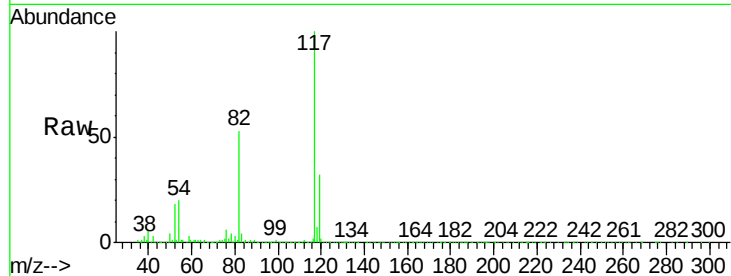
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.2	64.8
119	31.9	25.8	38.6

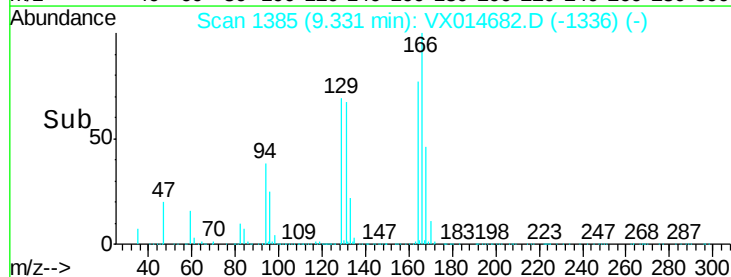
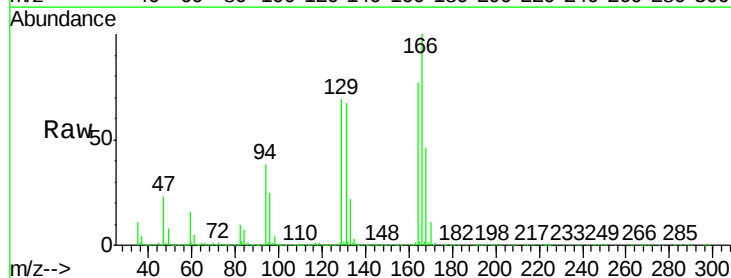
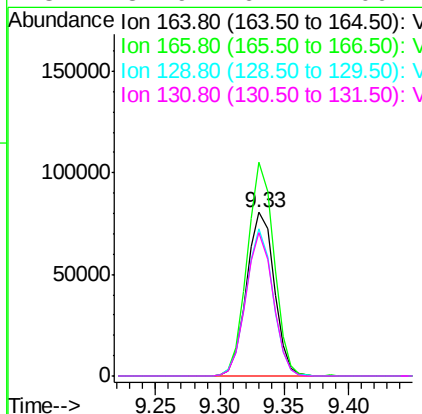
Manual Integrations
APPROVED

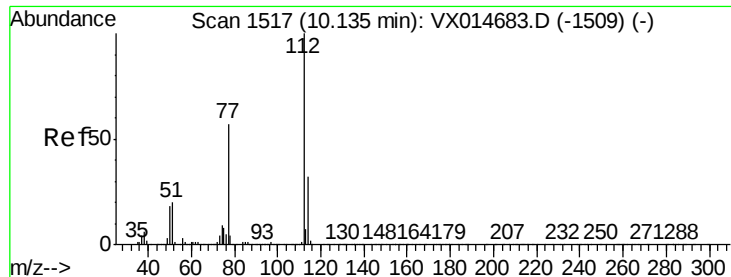
MMDadoda
1/24/2020 1:39:02 PM



#64
Tetrachloroethene
Concen: 19.377 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	100.9	151.3
129	89.7	71.0	106.6
131	87.9	67.1	100.7





#65

Chlorobenzene

Concen: 19.489 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 258003

Ion Ratio Lower Upper

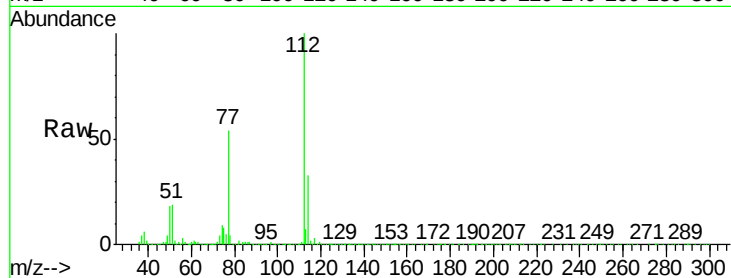
112 100

114 33.1 25.8 38.8

Manual Integrations
APPROVED

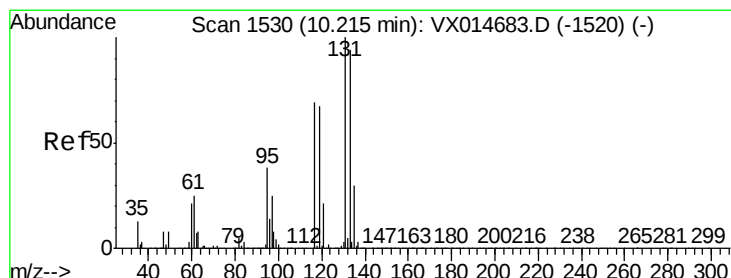
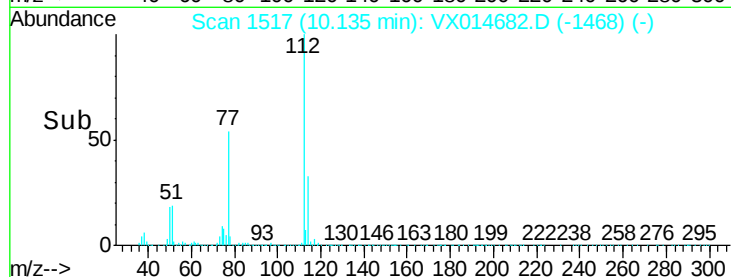
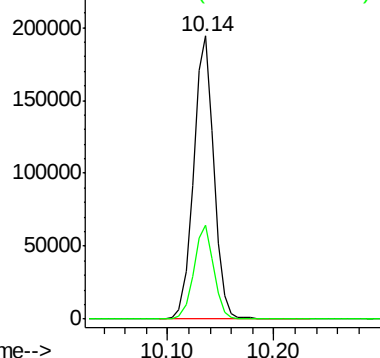
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.129 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

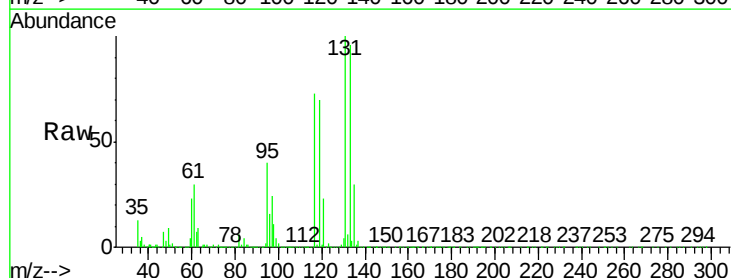
Tgt Ion:131 Resp: 95096

Ion Ratio Lower Upper

131 100

133 96.0 47.4 142.3

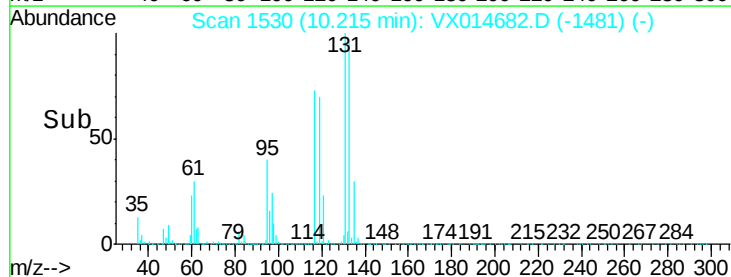
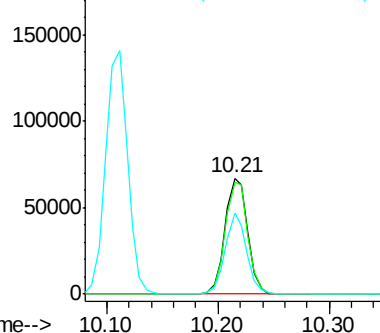
119 64.9 33.3 99.8

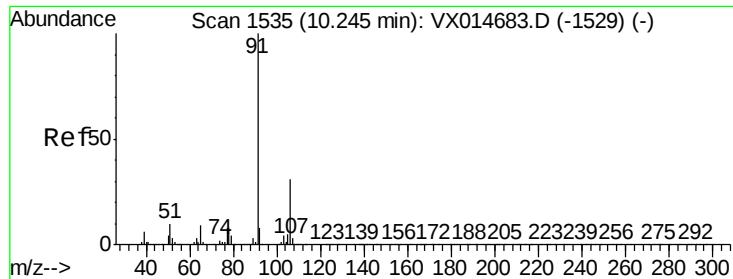


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





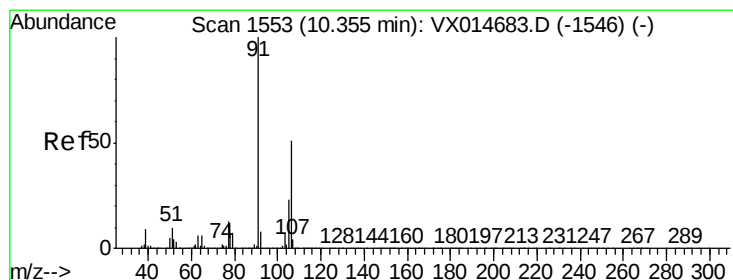
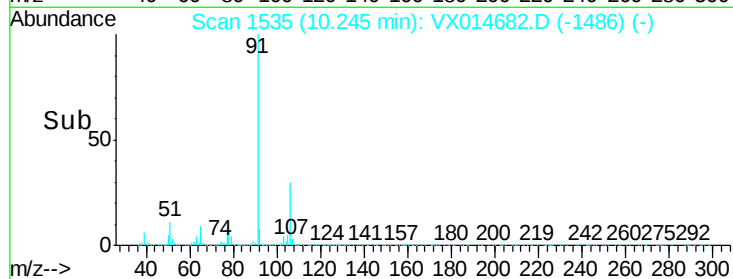
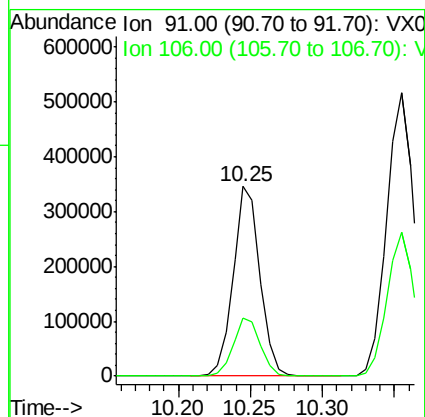
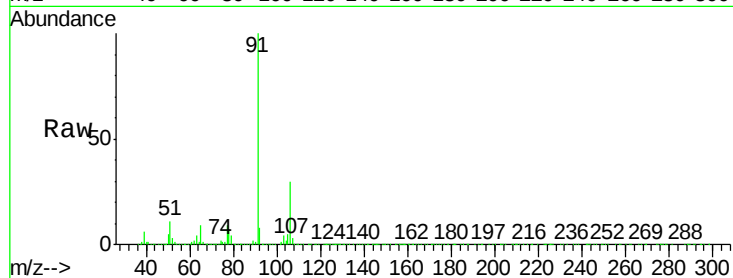
#67
Ethyl Benzene
Concen: 19.924 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 450379
Ion Ratio Lower Upper
91 100
106 30.3 24.9 37.3

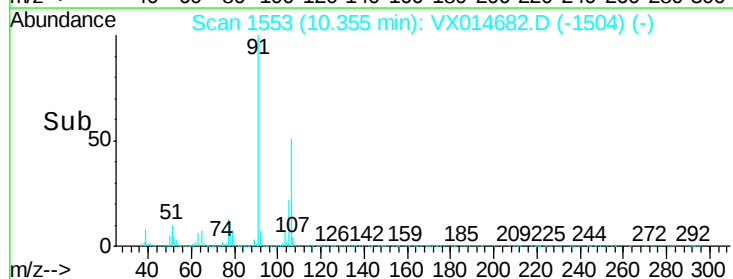
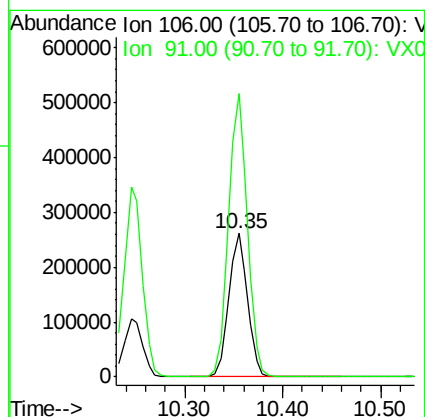
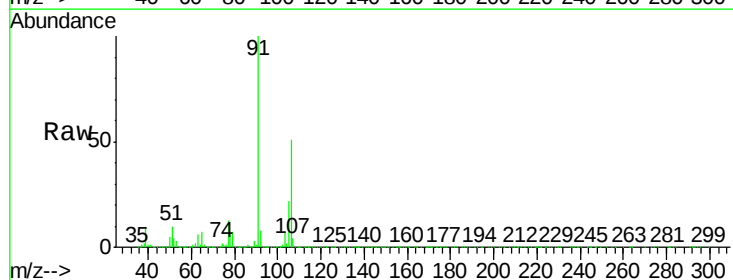
Manual Integrations
APPROVED

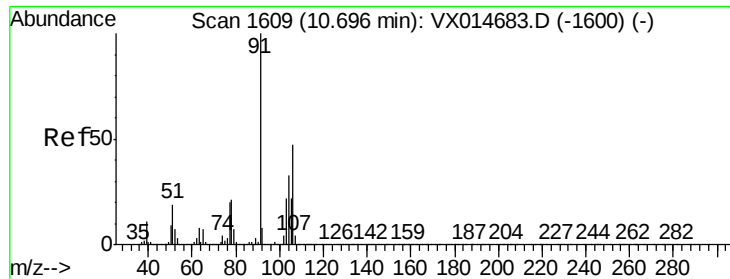
MMDadoda
1/24/2020 1:39:02 PM



#68
m/p-Xylenes
Concen: 39.856 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion: 106 Resp: 347401
Ion Ratio Lower Upper
106 100
91 197.8 159.4 239.2





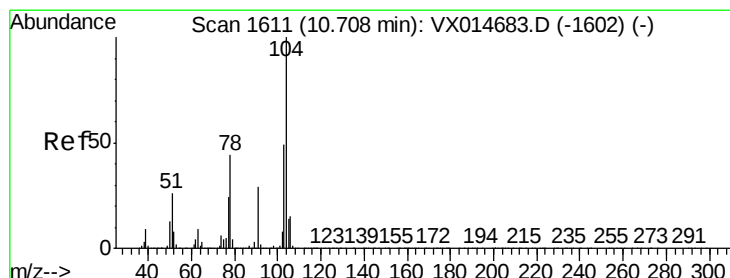
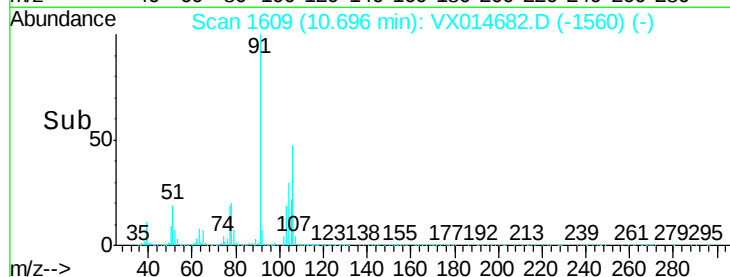
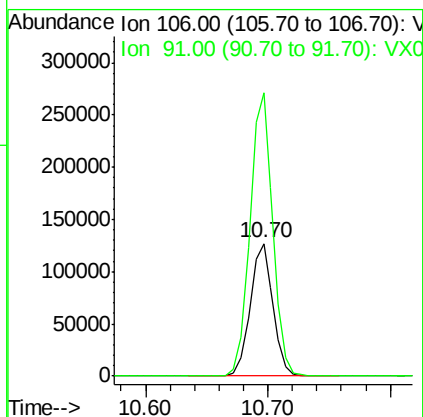
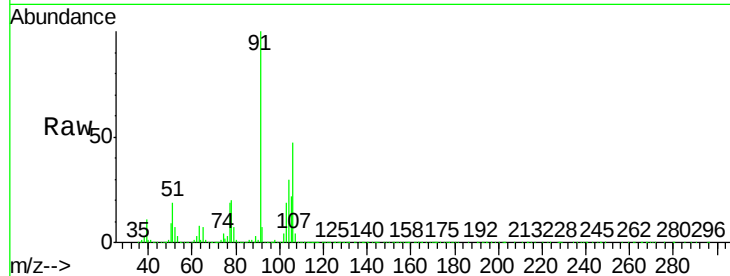
#69
o-Xylene
Concen: 19.714 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.9	106.2	318.6

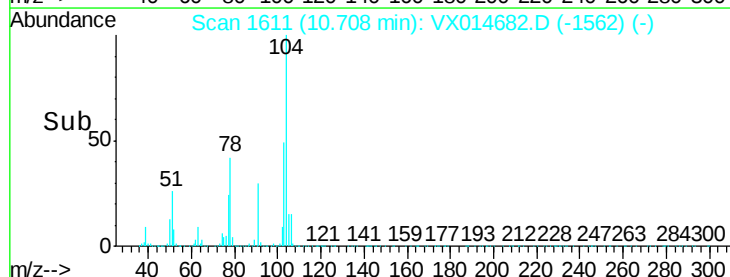
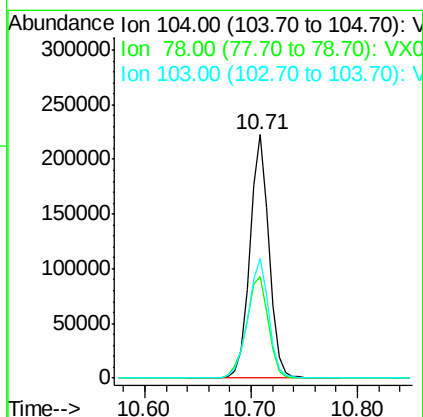
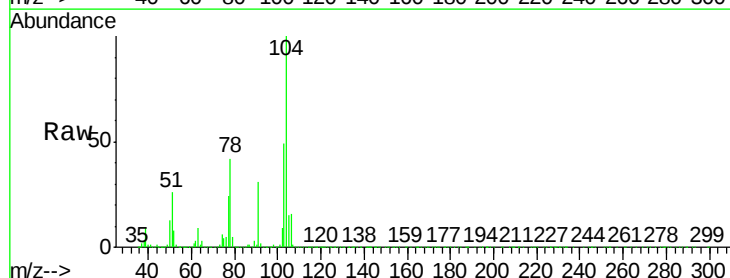
Manual Integrations
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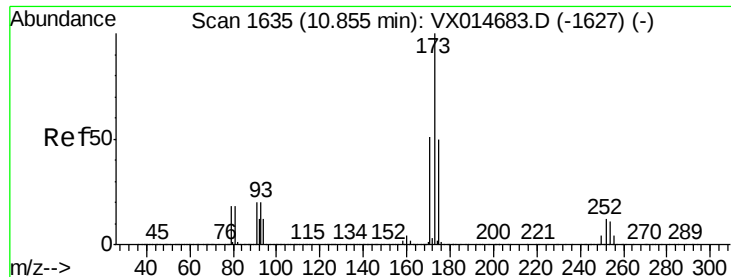
MMDadoda
1/24/2020 1:39:02 PM



#70
Styrene
Concen: 19.435 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.2	39.3	58.9
103	53.7	43.5	65.3





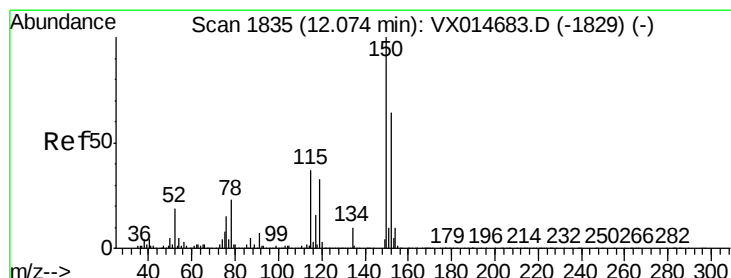
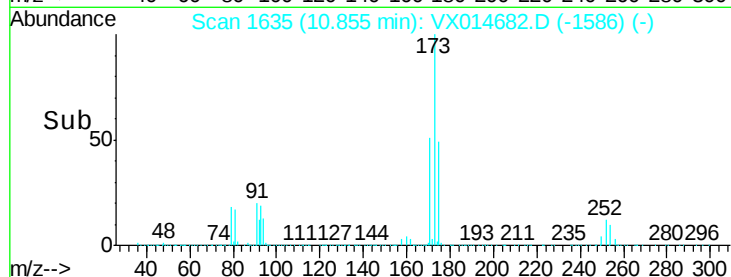
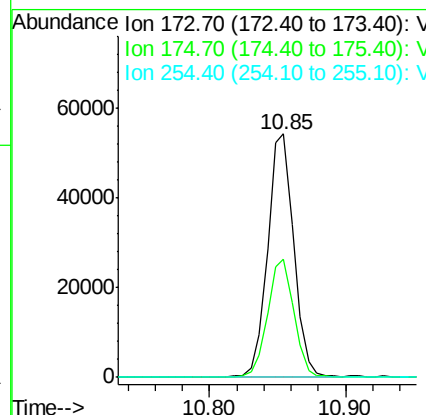
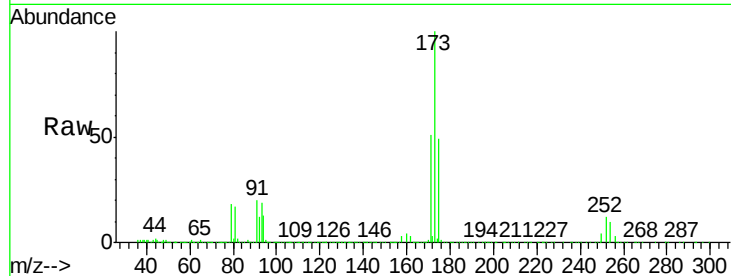
#71
Bromoform
Concen: 19.221 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.6
254	0.1	0.1	0.1

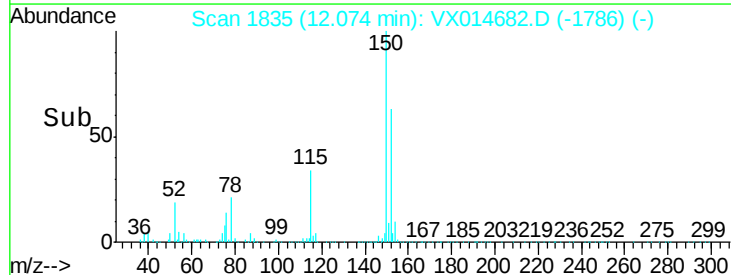
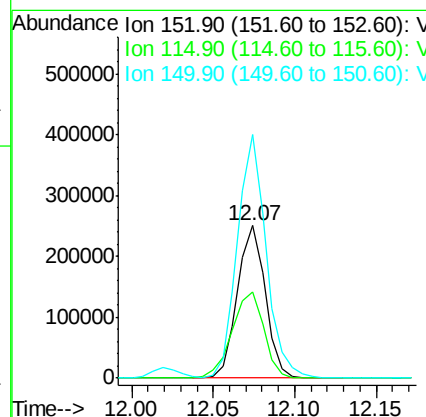
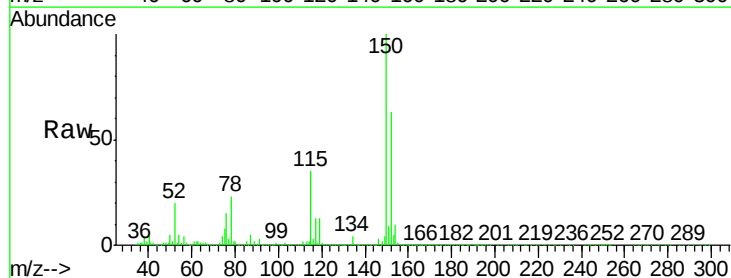
Manual Integrations
APPROVED

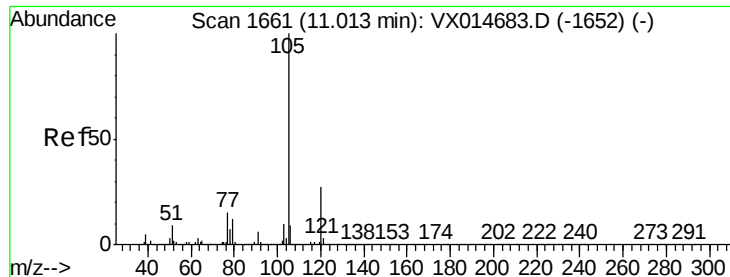
MMDadoda
1/24/2020 1:39:02 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.6	39.4	118.1
150	164.1	0.0	351.2





#73

Isopropylbenzene

Concen: 20.731 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 437704

Ion Ratio Lower Upper

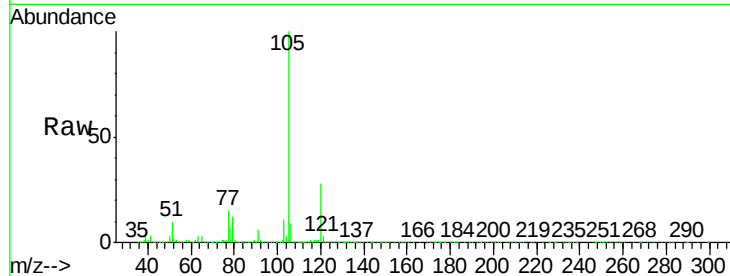
105 100

120 26.8 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

11.01

400000

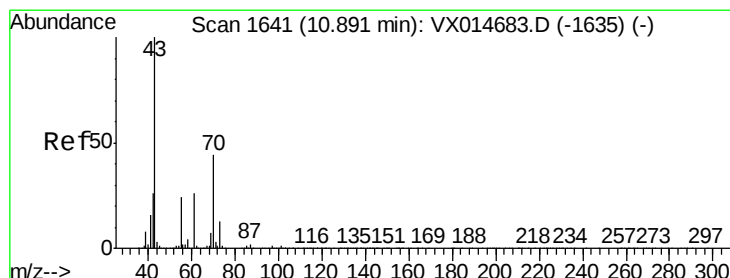
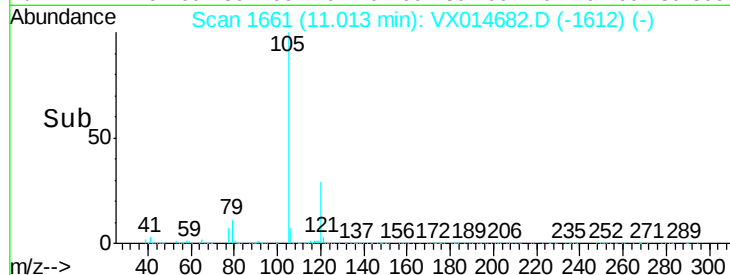
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 20.432 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Tgt Ion: 43 Resp: 189878

Ion Ratio Lower Upper

43 100

70 41.9 34.6 52.0

55 25.4 19.4 29.2

61 24.6 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

250000

200000

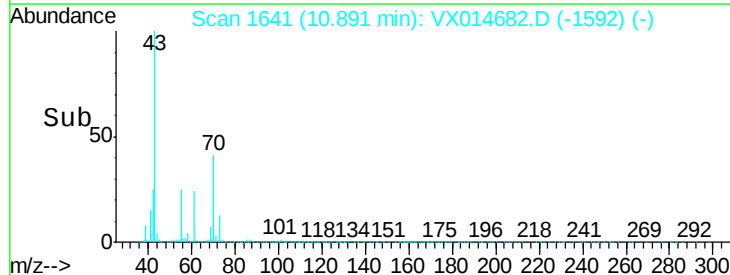
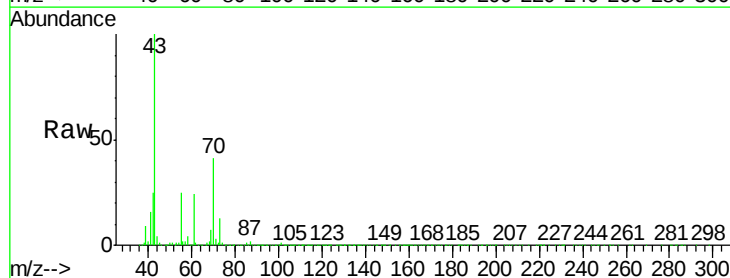
150000

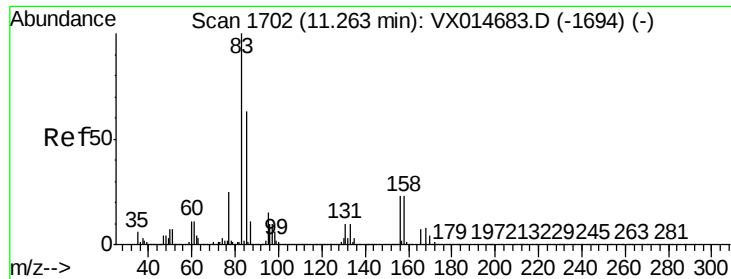
100000

50000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 21.646 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Instrument :

MSVOA_X

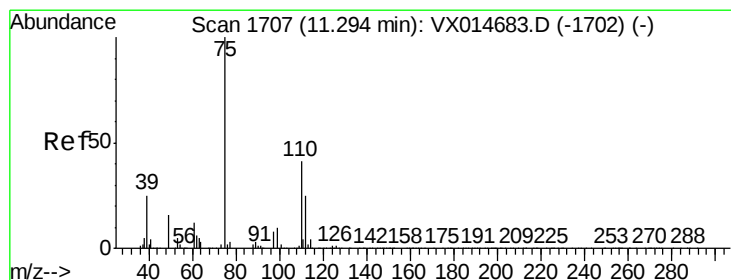
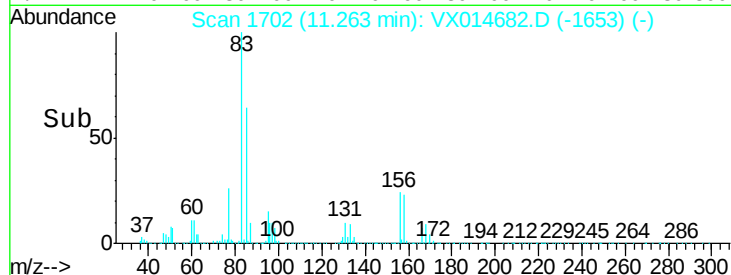
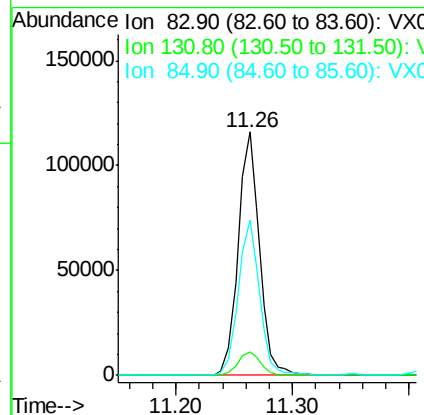
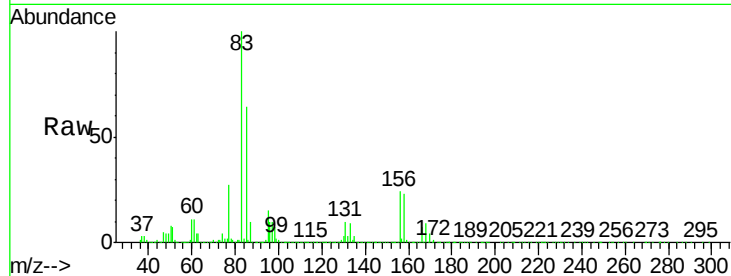
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	147441
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	15.0
85	63.8	31.7	95.1

Manual Integrations
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1/24/2020 1:39:02 PM



#76

1,2,3-Trichloropropane

Concen: 22.318 ug/l m

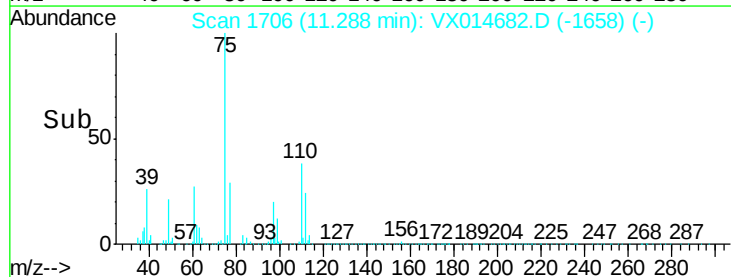
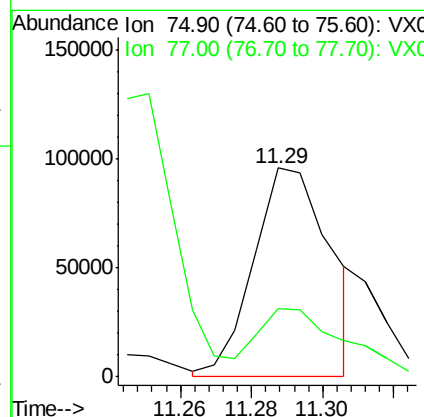
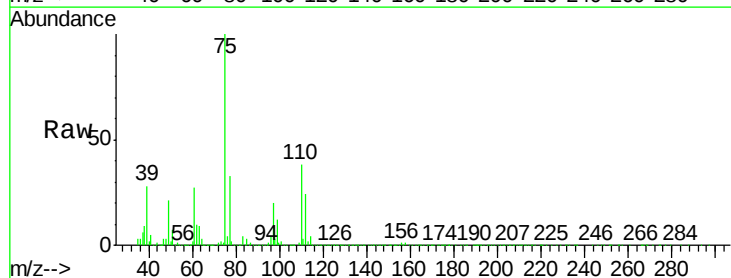
RT: 11.29 min Scan# 1706

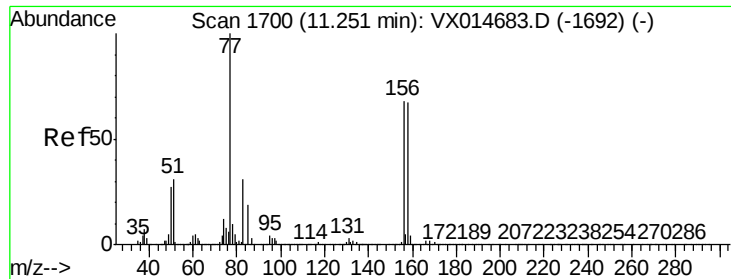
Delta R.T. -0.01 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Tgt Ion:	75	Resp:	143042
Ion Ratio	Lower	Upper	
75	100		
77	36.7	18.7	56.1





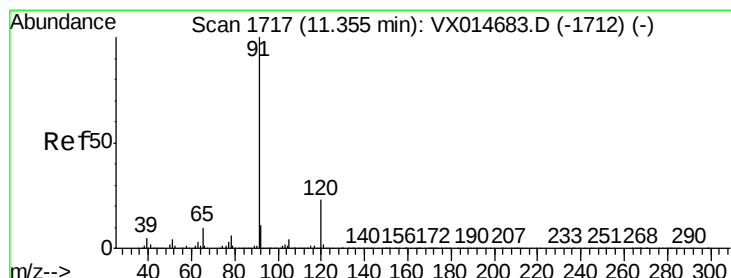
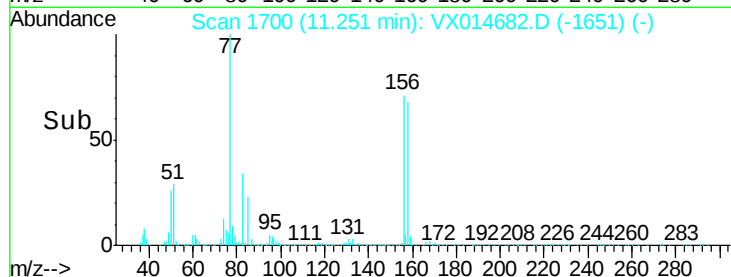
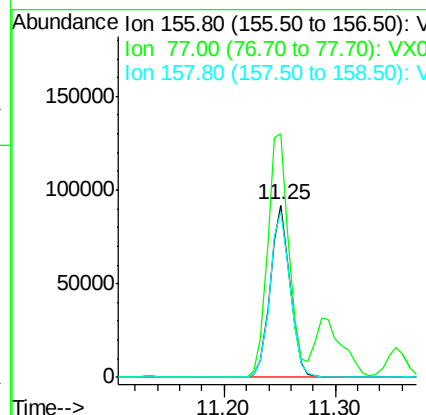
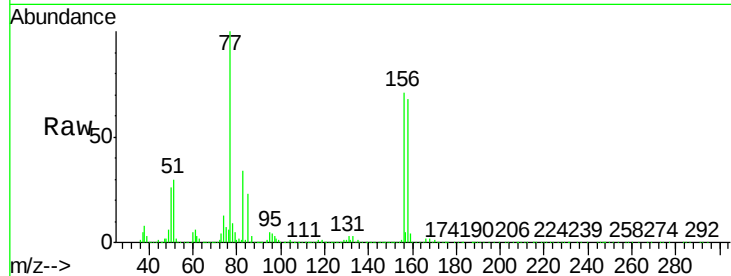
#77
Bromobenzene
Concen: 19.734 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
156	100	115119		
77	153.0	77.5	232.5	
158	97.9	49.1	147.3	

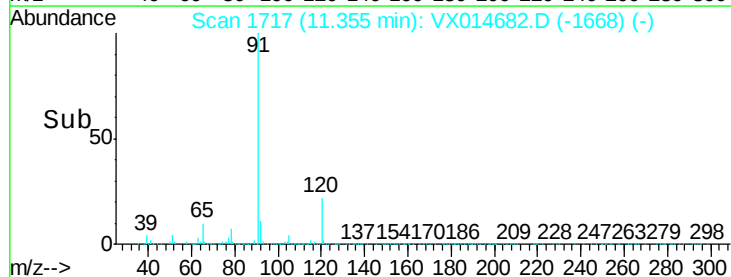
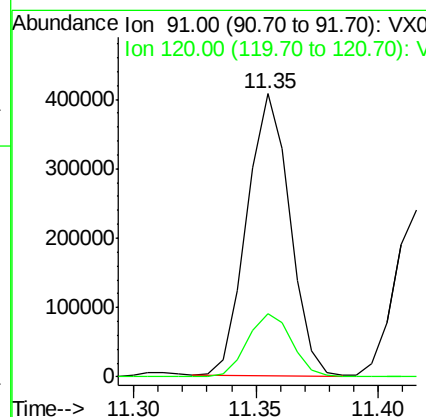
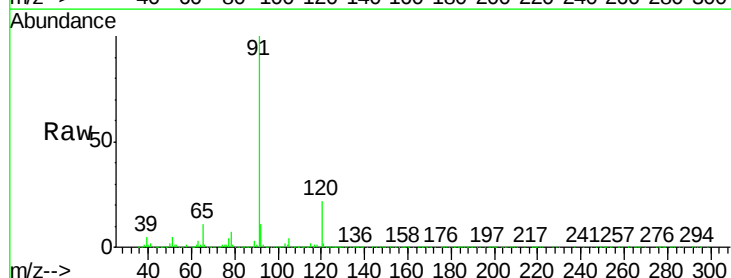
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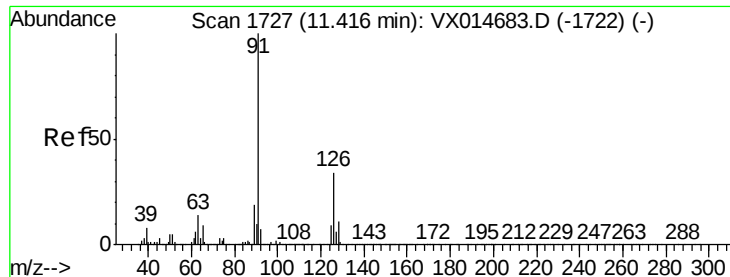
MMDadoda
1/24/2020 1:39:02 PM



#78
n-propylbenzene
Concen: 20.566 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	497895		
120	23.1	11.7	35.0	





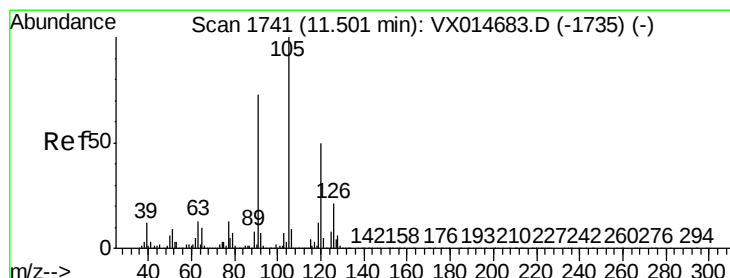
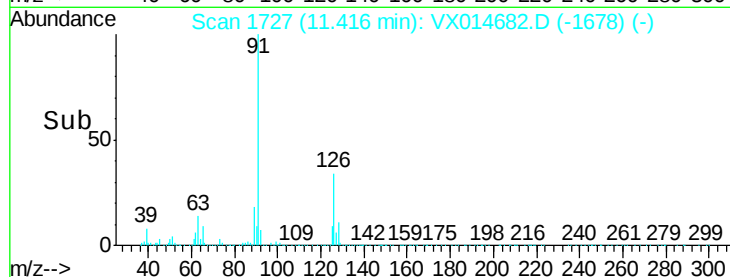
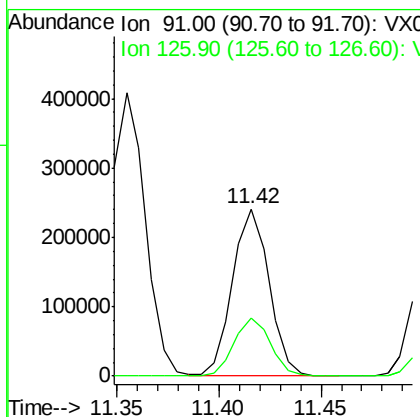
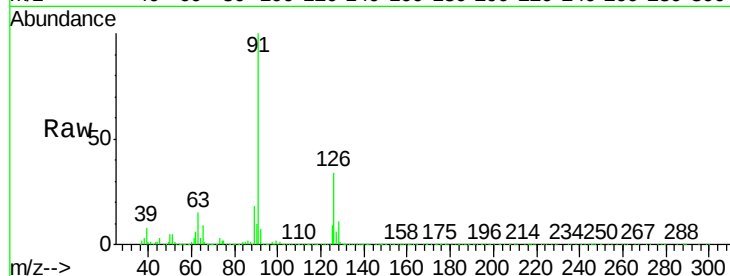
#79
2-Chlorotoluene
Concen: 20.645 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	298011		
126	34.8	17.3	51.9	

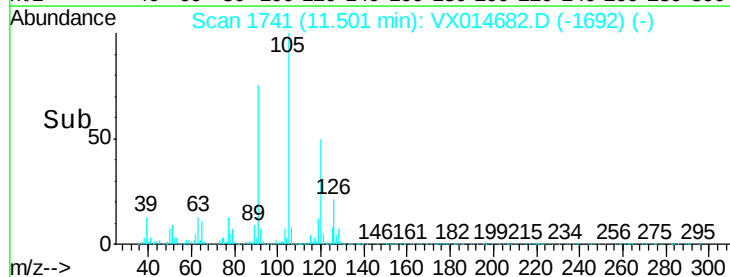
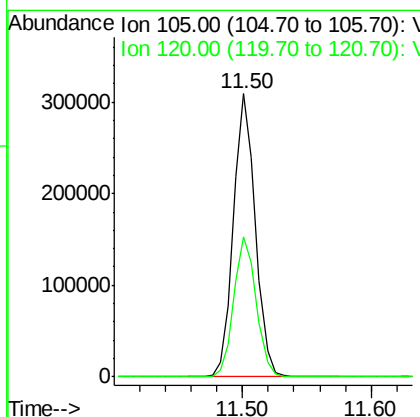
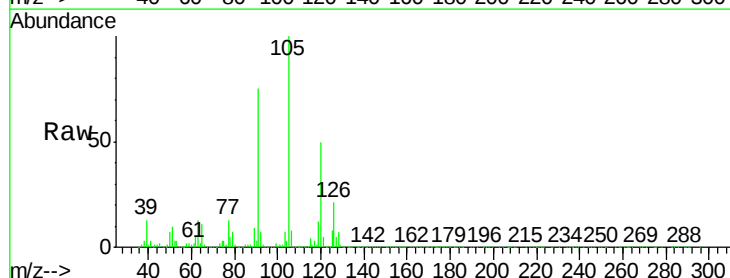
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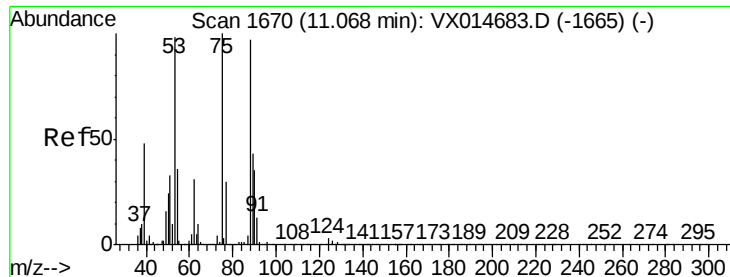
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.841 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	365932		
120	50.7	24.9	74.6	





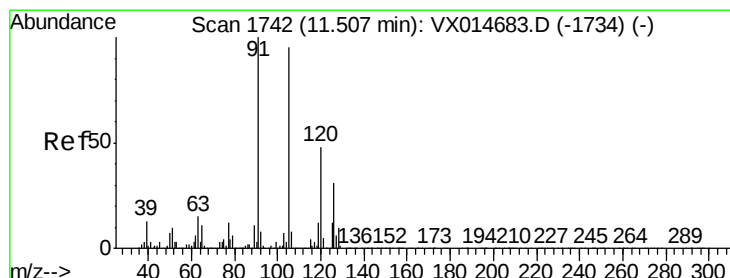
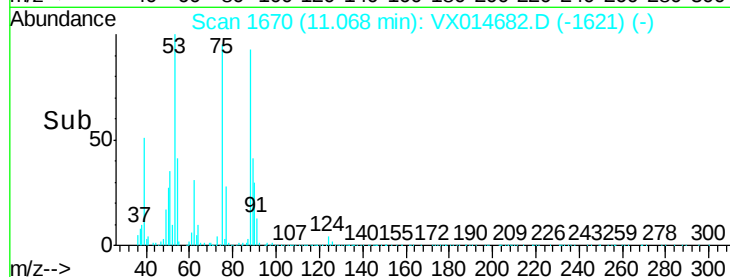
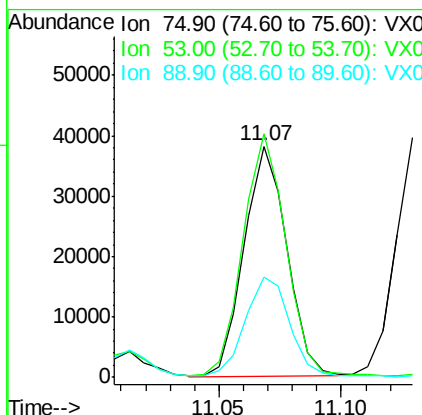
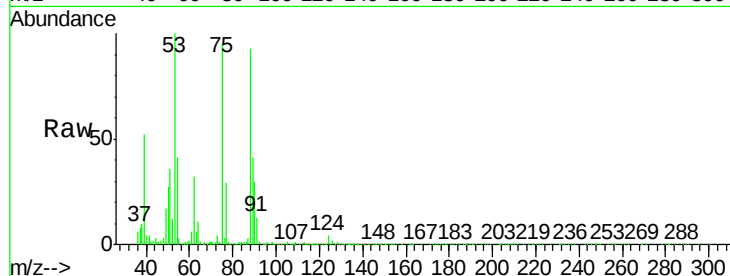
#81
trans-1,4-Dichloro-2-butene
Concen: 19.831 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.0	78.8	118.2
89	46.1	35.4	53.0

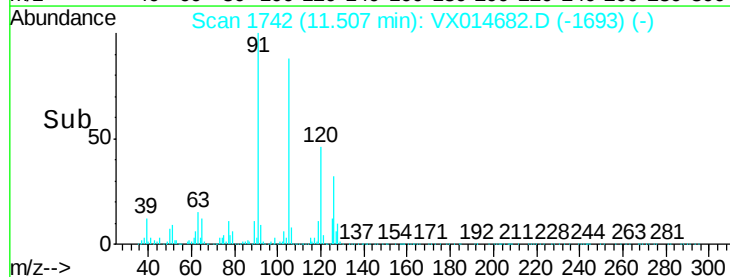
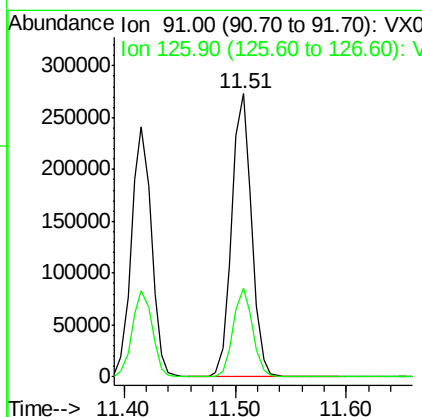
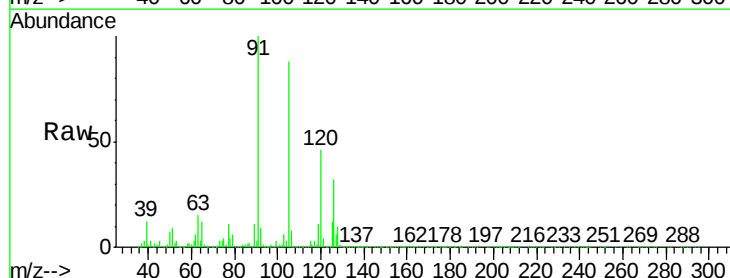
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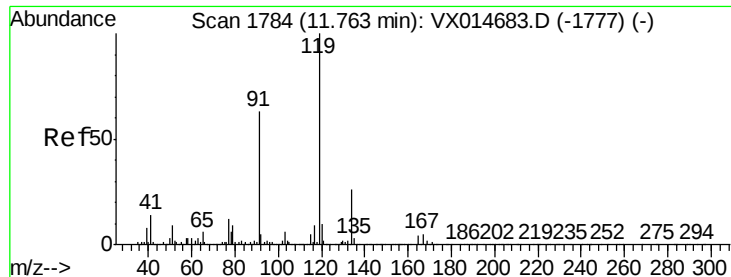
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#82
4-Chlorotoluene
Concen: 19.827 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.4	46.4





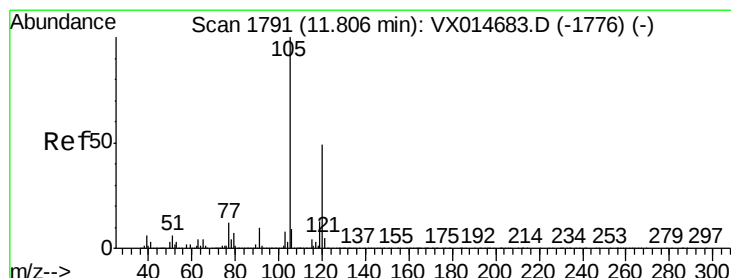
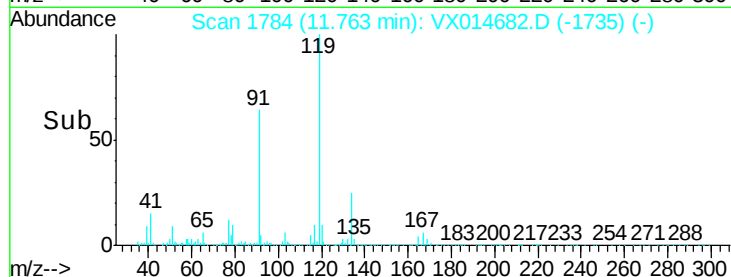
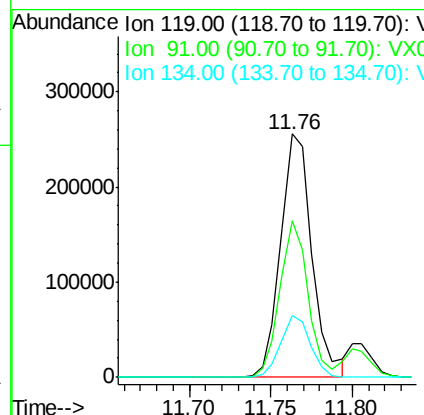
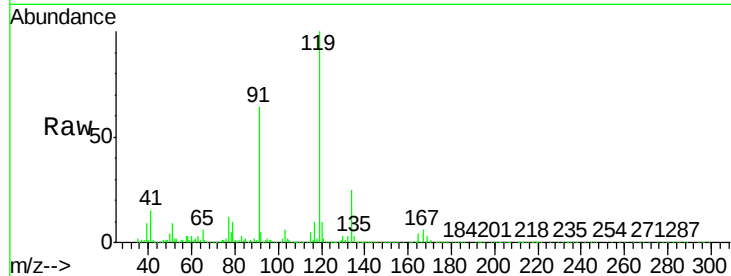
#83
tert-Butylbenzene
Concen: 20.750 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	342617		
91	57.8	30.0	90.0	
134	23.9	12.7	38.0	

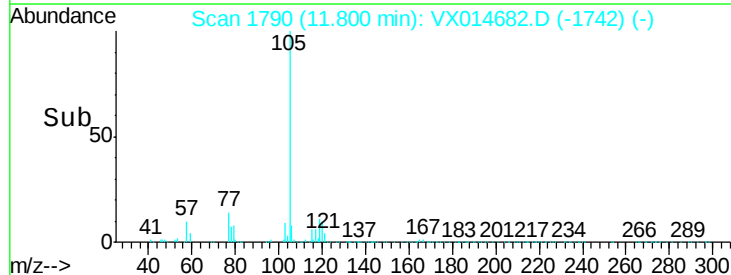
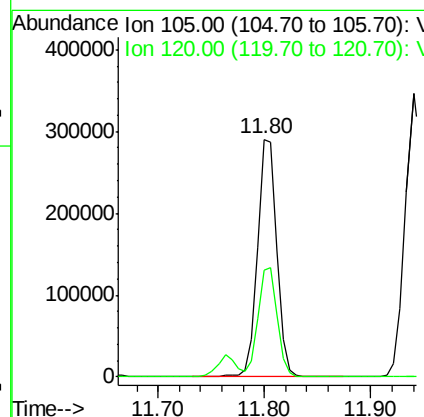
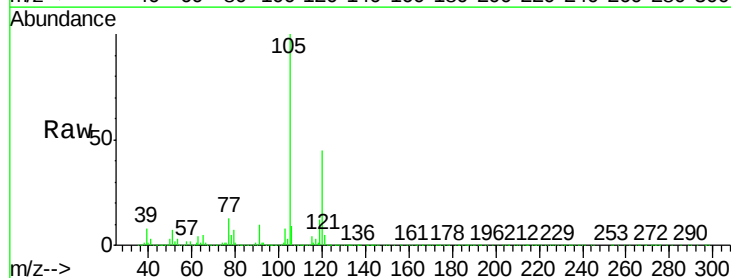
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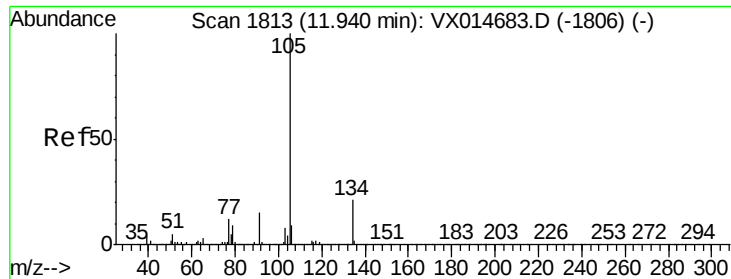
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.806 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	368865		
120	45.6	23.4	70.0	





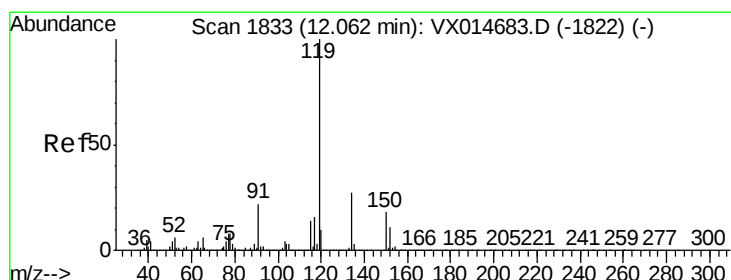
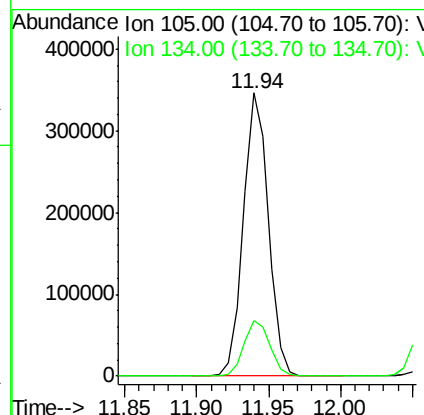
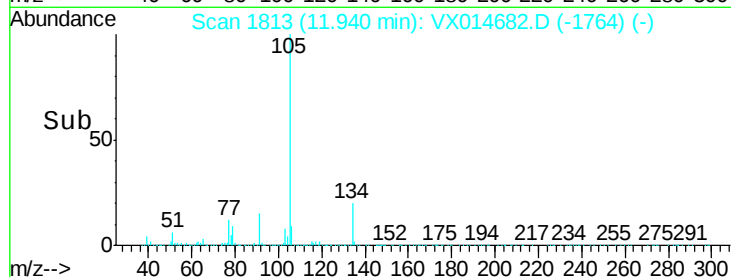
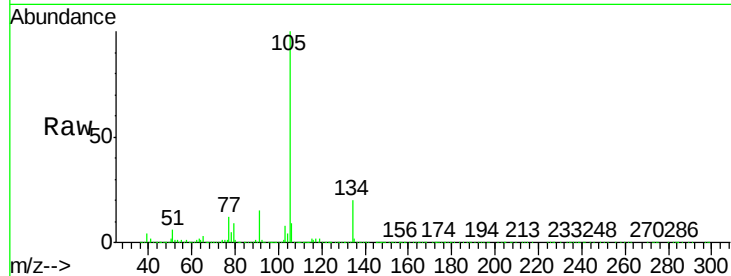
#85
 sec-Butylbenzene
 Concen: 20.248 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014682.D
 Acq: 22 Jan 2020 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.3	30.8

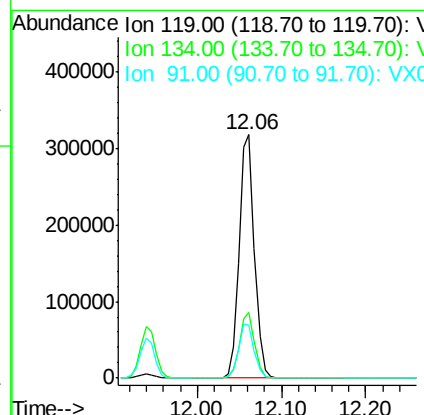
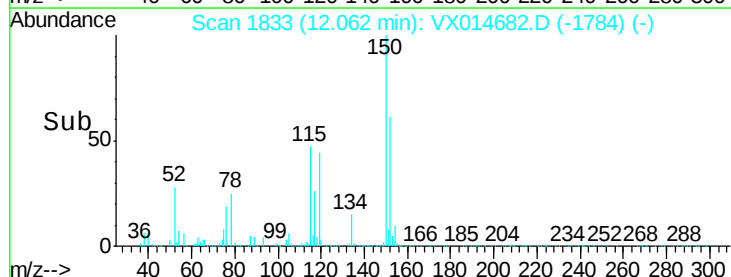
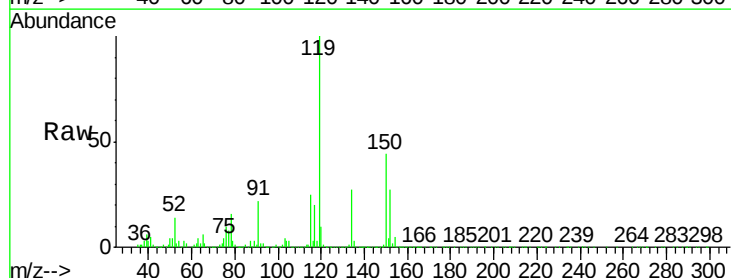
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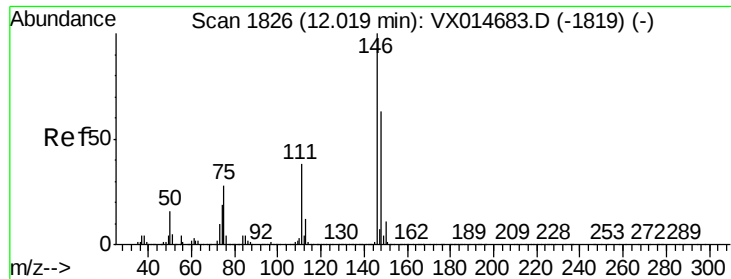
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#86
 p-Isopropyltoluene
 Concen: 20.290 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014682.D
 Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.5	40.4
91	22.6	11.3	33.8





#87

1,3-Dichlorobenzene

Concen: 18.734 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

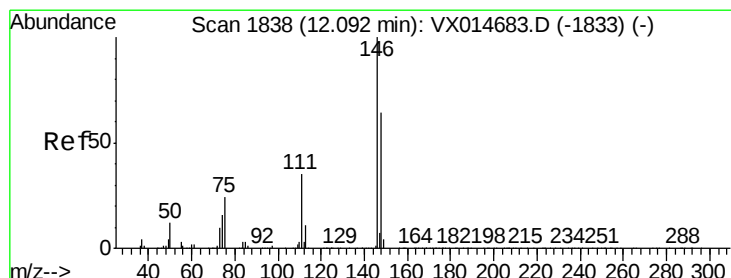
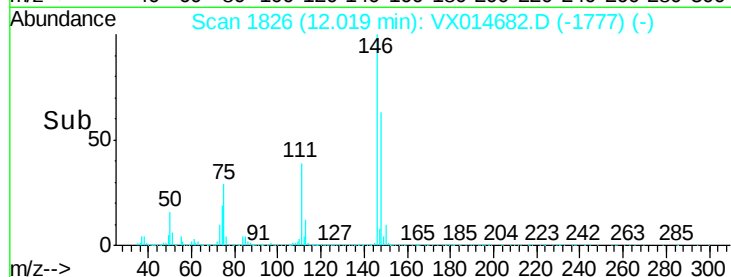
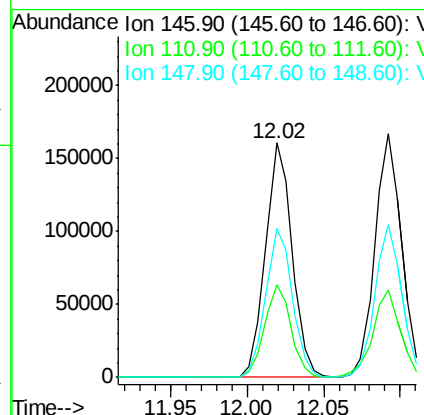
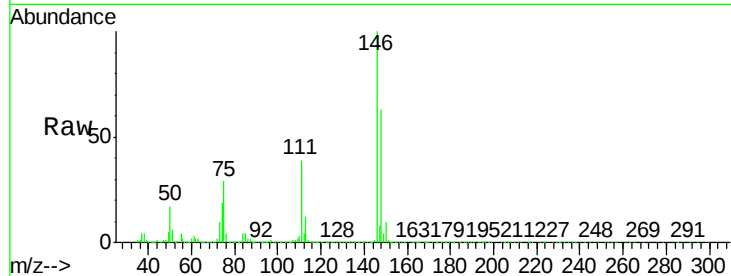
Instrument :
MSVOA_X

ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.0	57.0
148	64.0	31.6	95.0

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#88

1,4-Dichlorobenzene

Concen: 18.964 ug/l

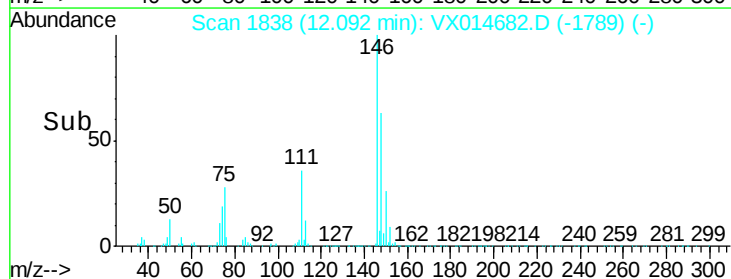
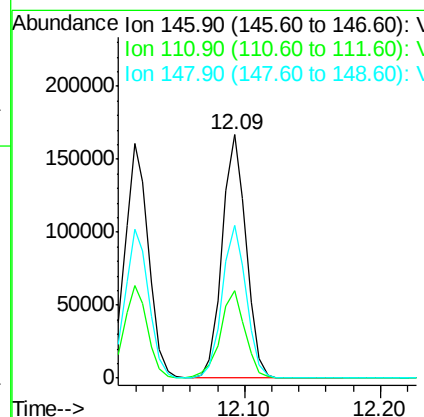
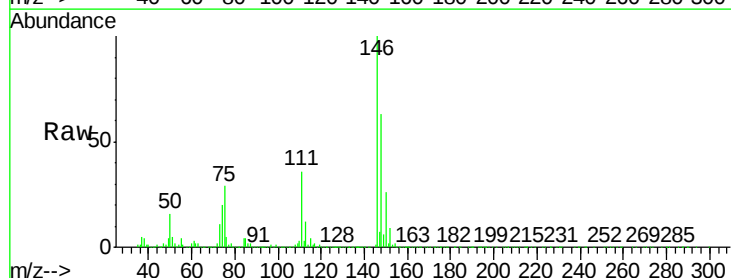
RT: 12.09 min Scan# 1838

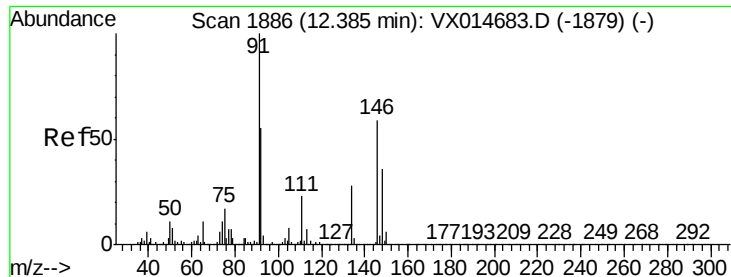
Delta R.T. 0.00 min

Lab File: VX014682.D

Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	55.8
148	63.0	32.0	96.2





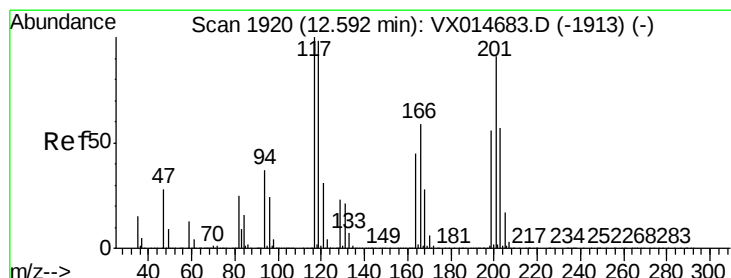
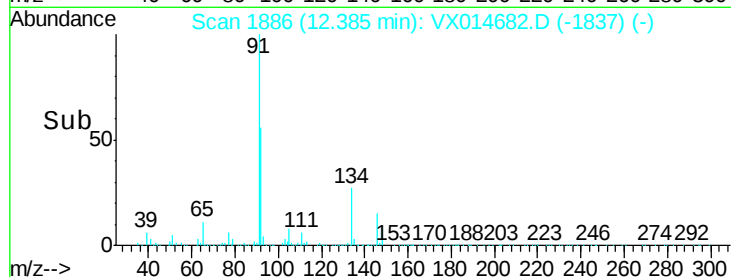
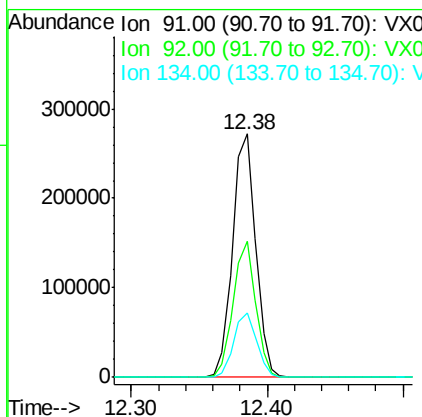
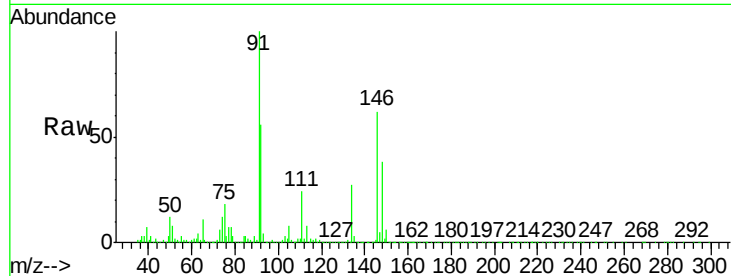
#89
n-Butylbenzene
Concen: 18.520 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.6	82.7
134	26.5	13.3	39.8

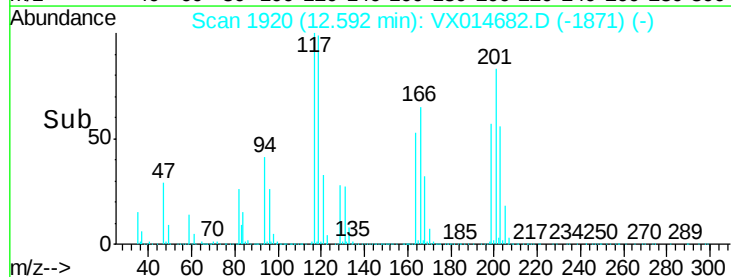
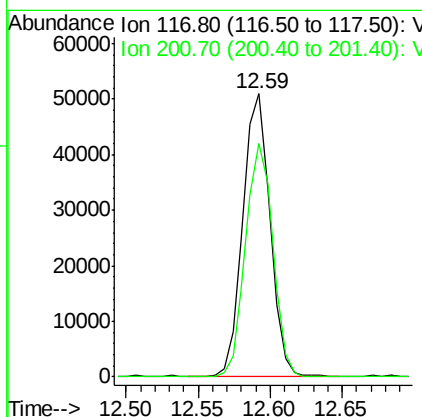
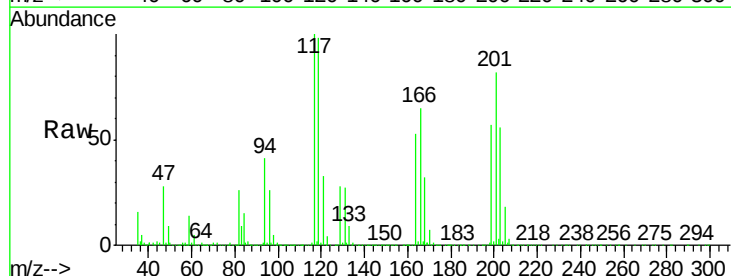
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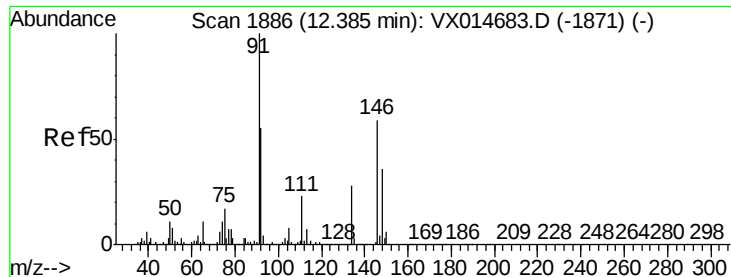
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#90
Hexachloroethane
Concen: 19.895 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.0	44.4	133.1





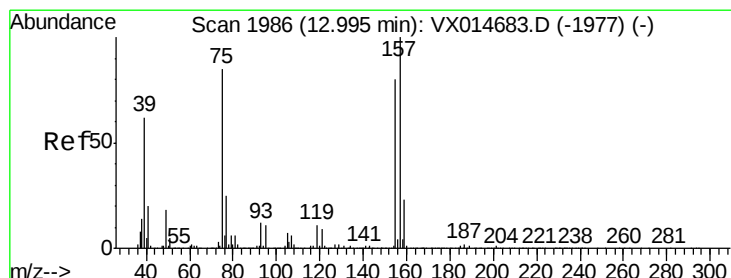
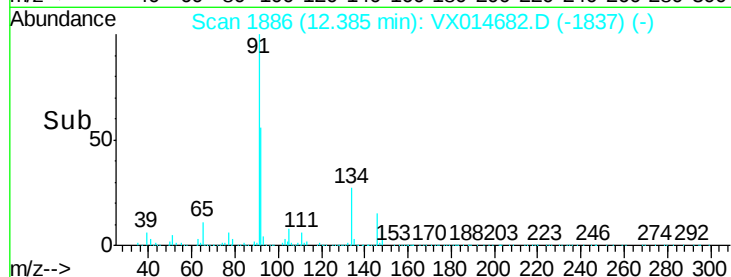
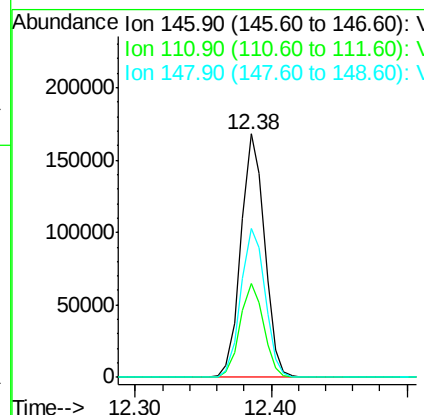
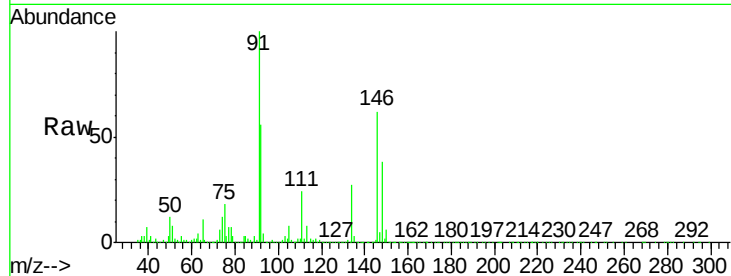
#91
 1,2-Dichlorobenzene
 Concen: 19.842 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014682.D
 Acq: 22 Jan 2020 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.6	58.8
148	63.0	31.9	95.9

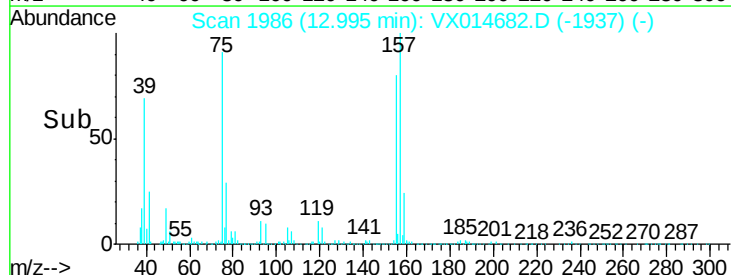
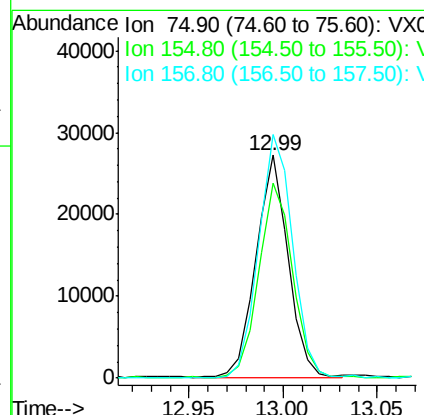
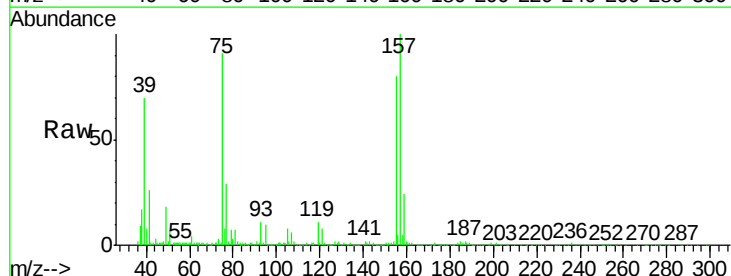
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.498 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014682.D
 Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	45.6	136.9
157	114.0	60.3	180.9





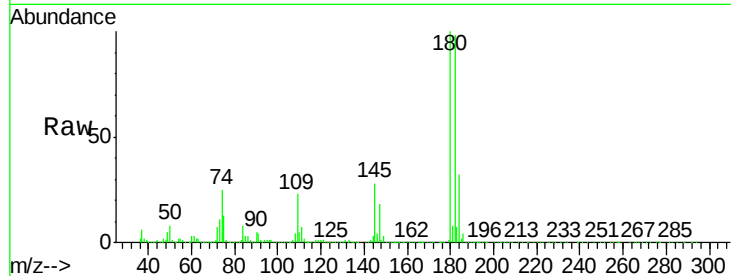
#93
1,2,4-Trichlorobenzene
Concen: 16.364 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	126791		
182	97.6	48.5	145.6	
145	28.4	14.0	41.9	

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MMDadoda
1/24/2020 1:39:02 PM

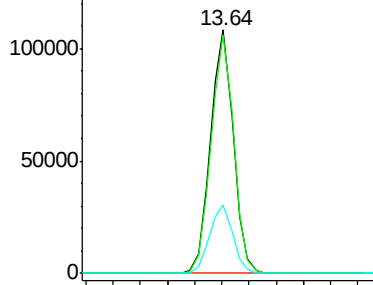


Abundance

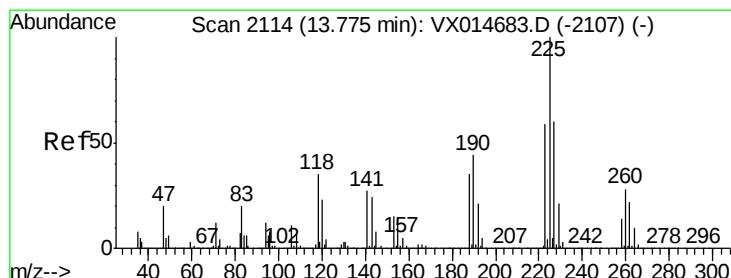
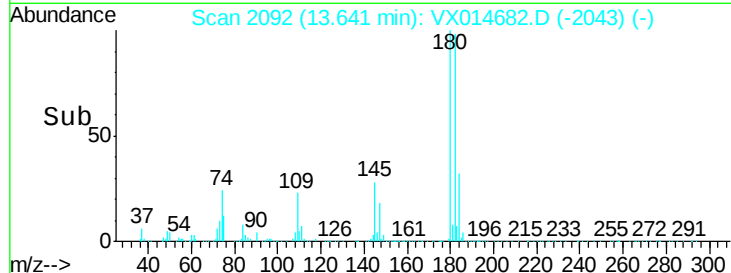
Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

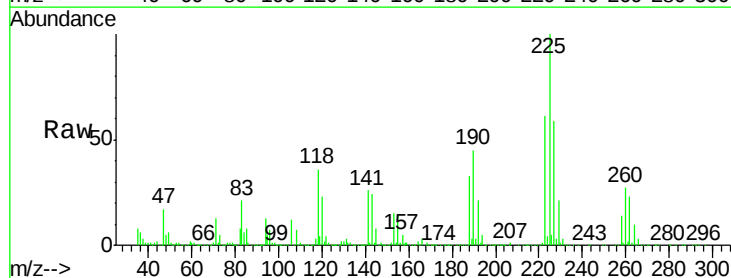


Time-->



#94
Hexachlorobutadiene
Concen: 18.065 ug/l
RT: 13.77 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65867		
223	62.7	30.6	91.8	
227	63.6	31.4	94.0	

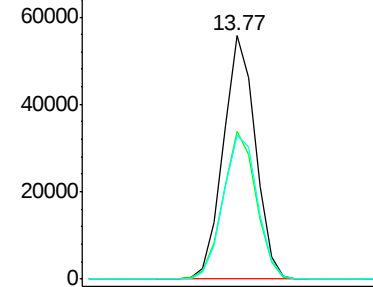


Abundance

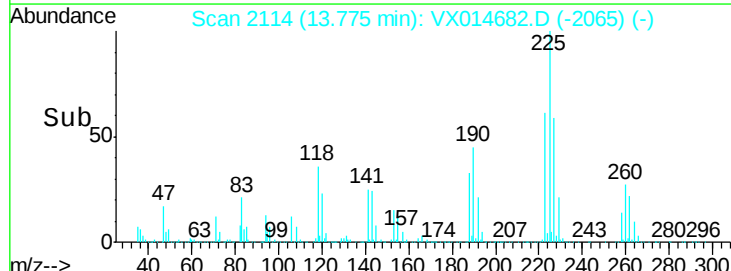
Ion 224.70 (224.40 to 225.40): V

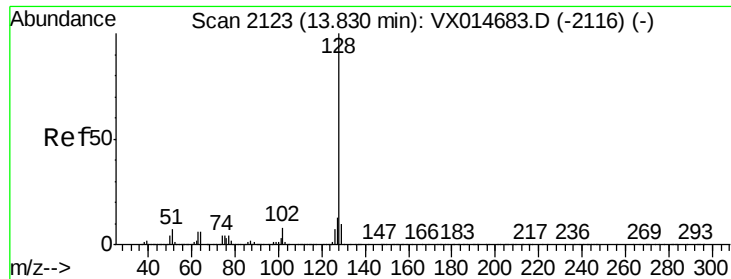
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->





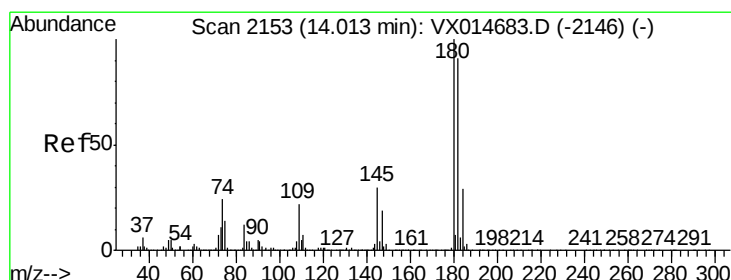
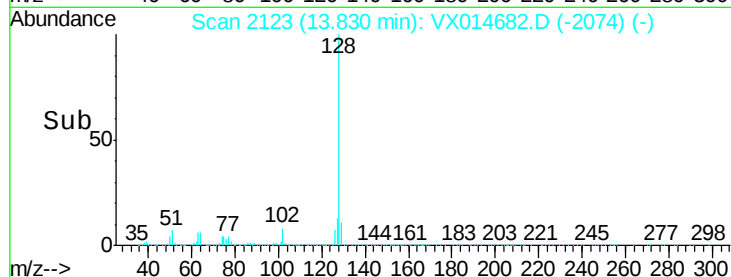
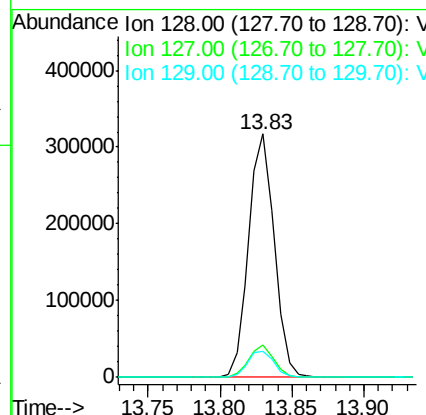
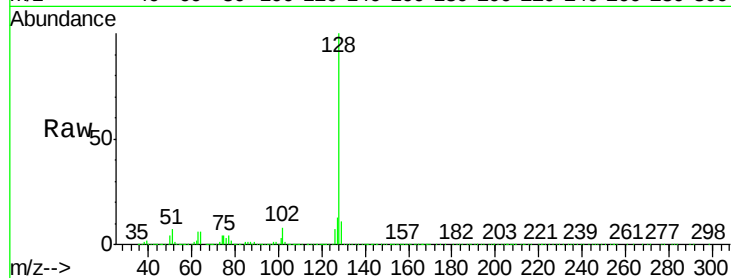
#95
Naphthalene
Concen: 17.698 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	390885		
127	13.2		10.3	15.5
129	11.1		8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 17.215 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014682.D
Acq: 22 Jan 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	130904		
182	96.4		46.6	139.7
145	30.4		14.7	44.1

