

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052720\
 Data File : VX016448.D
 Acq On : 27 May 2020 15:05
 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

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 5/28/2020 2:10:22 PM

Quant Time: May 27 16:07:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 15:52:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	300235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	468683	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	433014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	210437	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	71301	18.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.06%	
35) Dibromofluoromethane	5.47	113	54806	18.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.76%	
50) Toluene-d8	8.70	98	216397	18.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.58%	
62) 4-Bromofluorobenzene	11.12	95	79165	18.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	57036	18.028	ug/l	94
3) Chloromethane	1.31	50	65833	17.900	ug/l	99
4) Vinyl Chloride	1.39	62	70988	18.055	ug/l	98
5) Bromomethane	1.63	94	39288	20.076	ug/l	98
6) Chloroethane	1.71	64	43023	18.161	ug/l	98
7) Trichlorofluoromethane	1.92	101	95921	18.589	ug/l	100
8) Diethyl Ether	2.17	74	37381	17.268	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	51884	17.563	ug/l	99
10) Methyl Iodide	2.49	142	49221	12.913	ug/l	98
11) Tert butyl alcohol	3.01	59	87428	87.770	ug/l	99
12) 1,1-Dichloroethene	2.36	96	53574	17.318	ug/l	96
13) Acrolein	2.27	56	33125	56.999	ug/l	100
14) Allyl chloride	2.71	41	98906	17.378	ug/l	99
15) Acrylonitrile	3.12	53	186755	90.074	ug/l	99
16) Acetone	2.42	43	154031	87.701	ug/l	98
17) Carbon Disulfide	2.55	76	162710	15.462	ug/l	99
18) Methyl Acetate	2.75	43	81179	18.649	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	196482	18.257	ug/l	97
20) Methylene Chloride	2.83	84	63501	17.520	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	61101	17.606	ug/l	99
22) Diisopropyl ether	3.82	45	197444	18.269	ug/l	96
23) Vinyl Acetate	3.79	43	867620	91.365	ug/l	100
24) 1,1-Dichloroethane	3.67	63	112825	18.671	ug/l	99
25) 2-Butanone	4.64	43	264276	92.705	ug/l	99
26) 2,2-Dichloropropane	4.55	77	89385	16.543	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	67813	17.828	ug/l	97
28) Bromochloromethane	4.98	49	53932	19.656	ug/l	100
29) Tetrahydrofuran	5.09	42	174754	92.635	ug/l	100
30) Chloroform	5.18	83	113051	18.799	ug/l	95
31) Cyclohexane	5.55	56	98038	18.044	ug/l	96
32) 1,1,1-Trichloroethane	5.46	97	101060	18.468	ug/l	100
36) 1,1-Dichloropropene	5.77	75	83947	18.159	ug/l	99
37) Ethyl Acetate	4.80	43	99812	18.599	ug/l	98
38) Carbon Tetrachloride	5.76	117	89776	19.045	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	90148	16.499	ug/l	99
40) Benzene	6.12	78	254829	18.798	ug/l	99
41) Methacrylonitrile	5.00	41	54225	18.747	ug/l	100
42) 1,2-Dichloroethane	6.17	62	89112	18.274	ug/l	100
43) Isopropyl Acetate	6.42	43	155723	18.230	ug/l	99
44) Trichloroethene	7.19	130	80669	17.058	ug/l	98
45) 1,2-Dichloropropane	7.49	63	65124	19.015	ug/l	100
46) Dibromomethane	7.64	93	43506	18.696	ug/l	98
47) Bromodichloromethane	7.88	83	89179	18.807	ug/l	97
48) Methyl methacrylate	7.74	41	73747	18.166	ug/l	98
49) 1,4-Dioxane	7.71	88	34502	355.381	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	505908	96.487	ug/l	99
52) Toluene	8.77	92	161384	19.101	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	100427	17.827	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	106875	18.151	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	62999	18.971	ug/l	99
56) Ethyl methacrylate	9.16	69	101583	18.690	ug/l	99
57) 1,3-Dichloropropane	9.35	76	110164	18.995	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	268049	93.196	ug/l	100
59) 2-Hexanone	9.48	43	388833	94.289	ug/l	99
60) Dibromochloromethane	9.57	129	71288	19.413	ug/l	99
61) 1,2-Dibromoethane	9.65	107	67441	18.803	ug/l	100
64) Tetrachloroethene	9.32	164	94864	18.026	ug/l	98
65) Chlorobenzene	10.12	112	167507	18.433	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	64114	19.055	ug/l	98
67) Ethyl Benzene	10.24	91	299707	18.494	ug/l	98
68) m/p-Xylenes	10.34	106	223145	36.836	ug/l	99
69) o-Xylene	10.68	106	106176	18.249	ug/l	100
70) Styrene	10.70	104	183909	18.543	ug/l	100
71) Bromoform	10.84	173	51569	18.667	ug/l #	96
73) Isopropylbenzene	11.00	105	282918	18.541	ug/l	100
74) N-amyl acetate	10.88	43	129656	18.216	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	66429	23.348	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	89452m	18.758	ug/l	
77) Bromobenzene	11.24	156	72565	18.352	ug/l	99
78) n-propylbenzene	11.34	91	317081	17.906	ug/l	99
79) 2-Chlorotoluene	11.40	91	193317	18.399	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	237134	18.382	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	33725	17.062	ug/l	97
82) 4-Chlorotoluene	11.49	91	226481	18.268	ug/l	99
83) tert-Butylbenzene	11.76	119	196999	17.704	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	239580	18.369	ug/l	100
85) sec-Butylbenzene	11.93	105	252979	17.085	ug/l	99
86) p-Isopropyltoluene	12.05	119	231967	16.842	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	126946	17.932	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	129477	18.019	ug/l	98
89) n-Butylbenzene	12.37	91	193211	15.494	ug/l	100
90) Hexachloroethane	12.58	117	40294	17.091	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	124394	18.260	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	23033	18.331	ug/l	96

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ALS Vial : 4 Sample Multiplier: 1

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MSVOA_X
ClientSampleId :
VSTDICC020

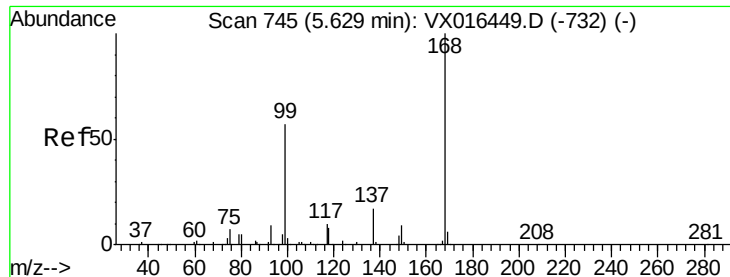
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	78362	15.679	ug/l	98
94) Hexachlorobutadiene	13.77	225	29845	13.265	ug/l	97
95) Naphthalene	13.82	128	277641	17.093	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	80469	16.598	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 300235

Ion Ratio Lower Upper

168 100

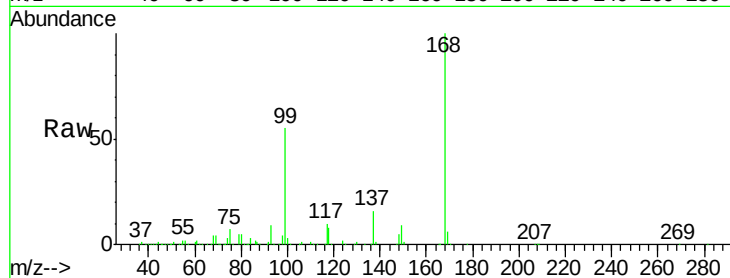
99 55.5 45.2 67.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

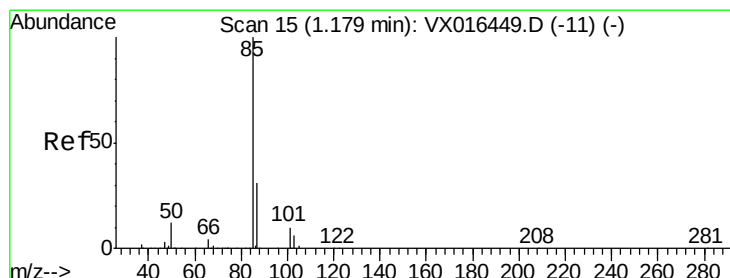
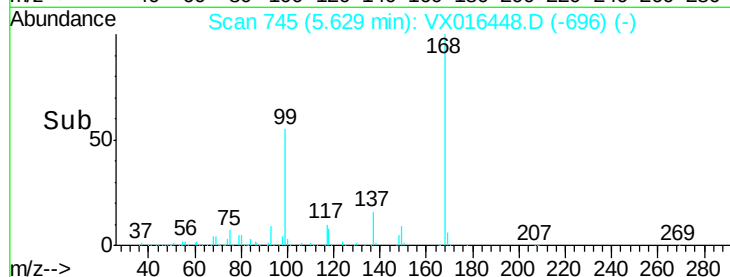
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.028 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.01 min

Lab File: VX016448.D

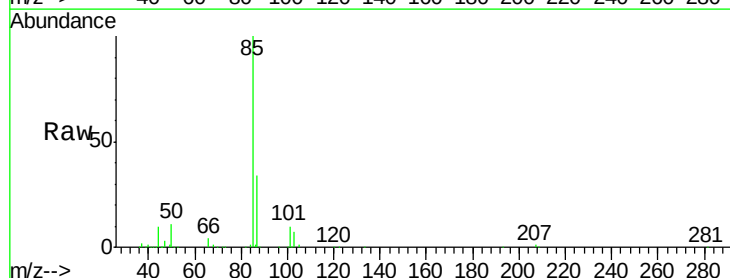
Acq: 27 May 2020 15:05

Tgt Ion: 85 Resp: 57036

Ion Ratio Lower Upper

85 100

87 34.0 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

40000

20000

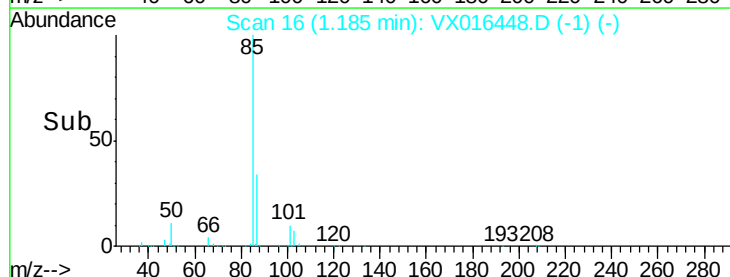
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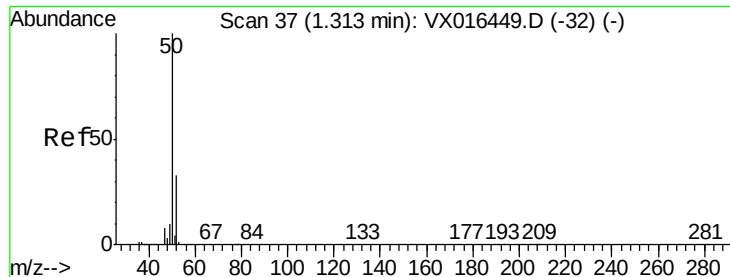
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 17.900 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 65833

Ion Ratio Lower Upper

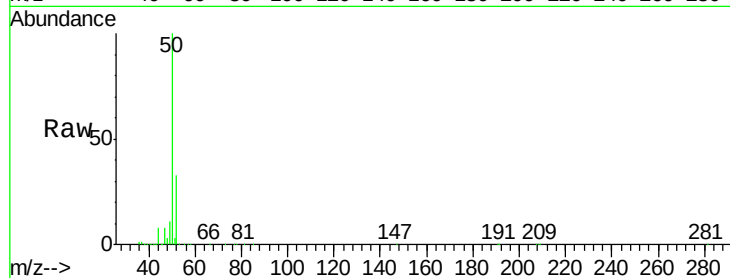
50 100

52 33.4 26.2 39.2

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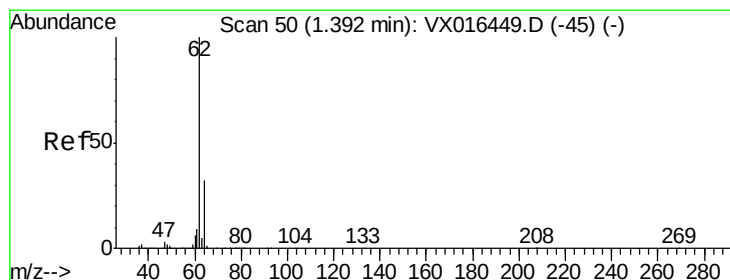
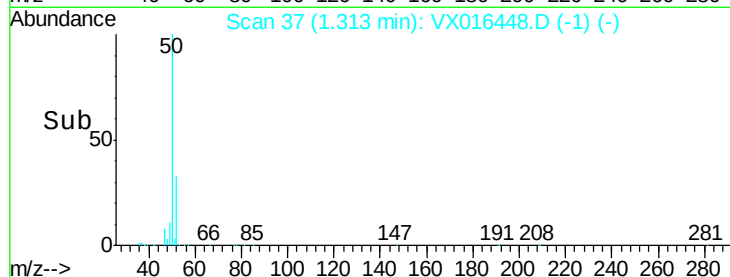
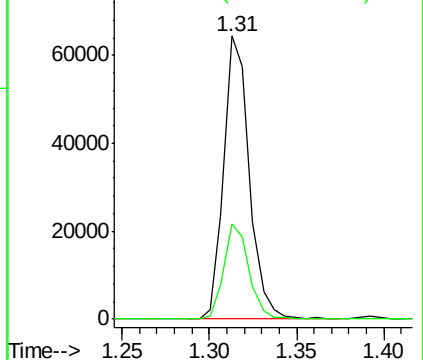
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.055 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016448.D

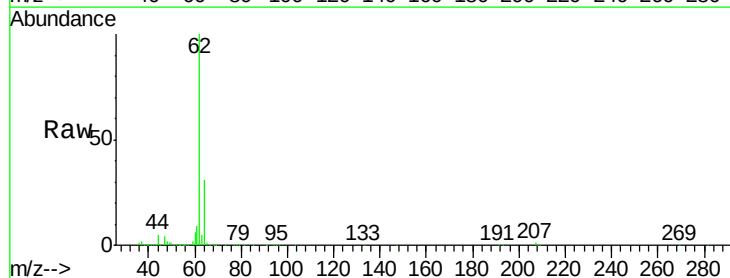
Acq: 27 May 2020 15:05

Tgt Ion: 62 Resp: 70988

Ion Ratio Lower Upper

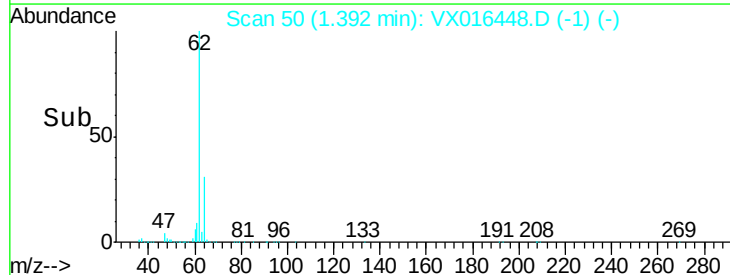
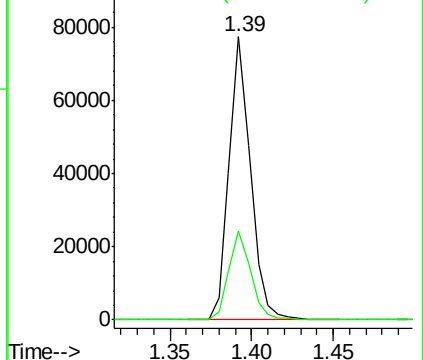
62 100

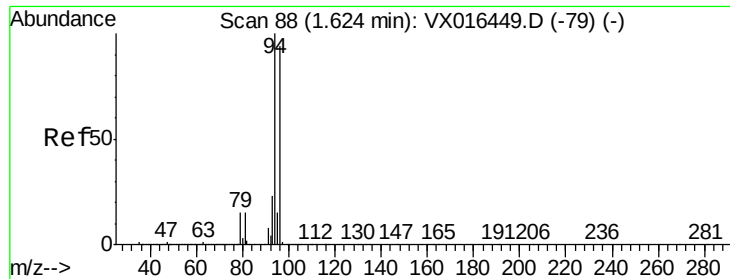
64 31.2 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.076 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Tot Ion: 94 Resp: 39288

Ion Ratio Lower Upper

94 100

96 91.7 75.1 112.7

Instrument :

MSVOA_X

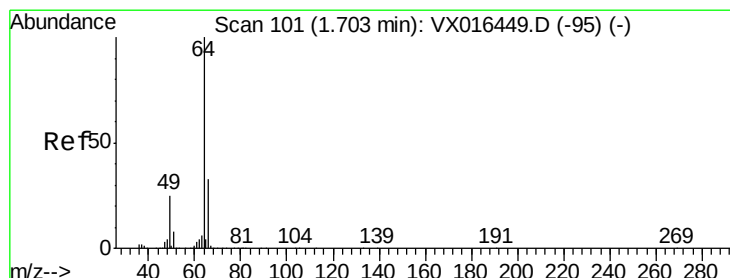
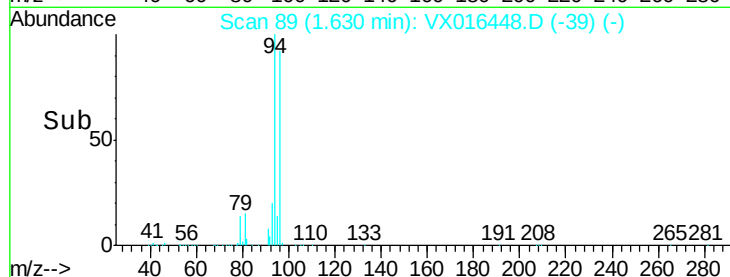
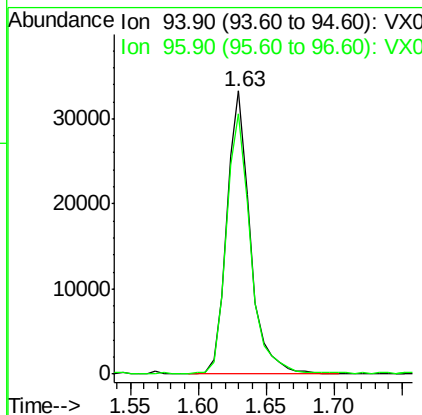
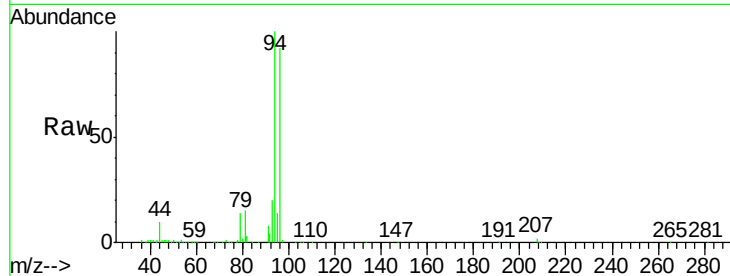
ClientSampleId :

VSTDIC020

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#6

Chloroethane

Concen: 18.161 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.01 min

Lab File: VX016448.D

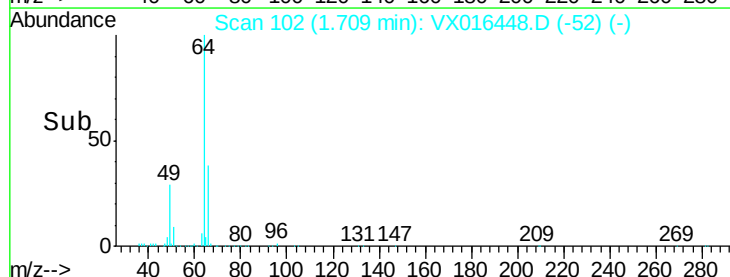
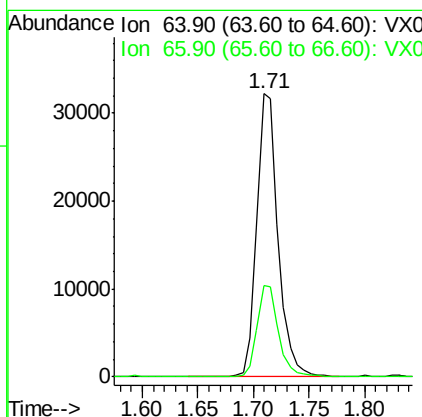
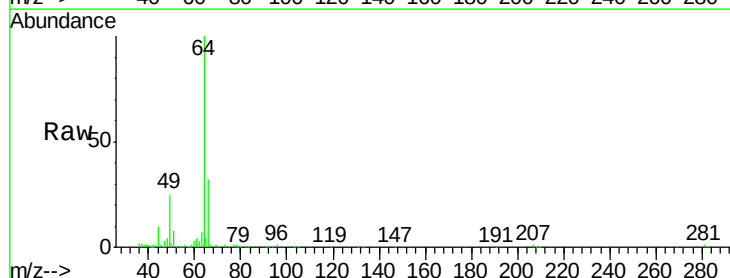
Acq: 27 May 2020 15:05

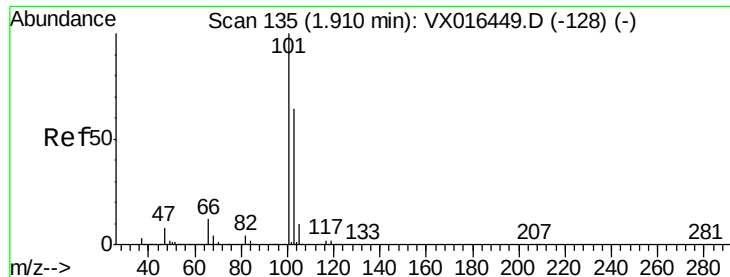
Tgt Ion: 64 Resp: 43023

Ion Ratio Lower Upper

64 100

66 32.2 26.7 40.1





#7

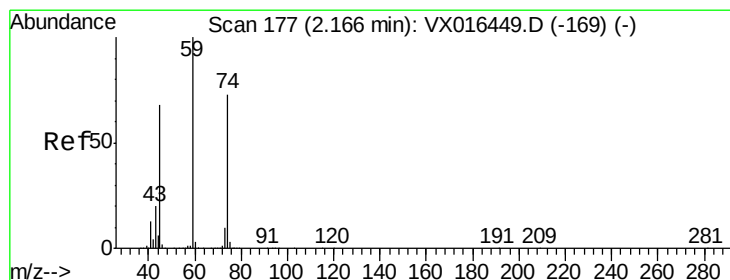
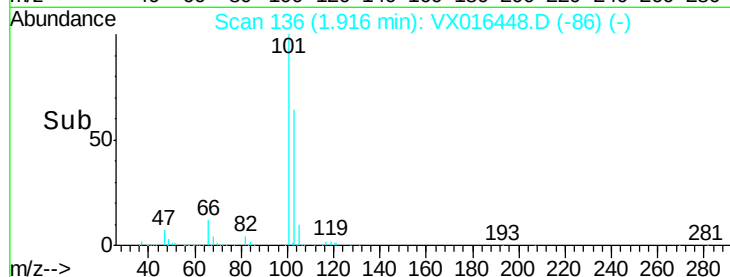
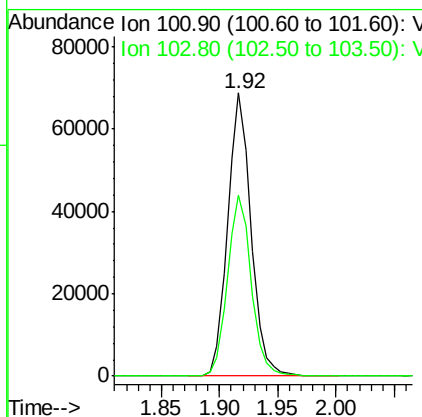
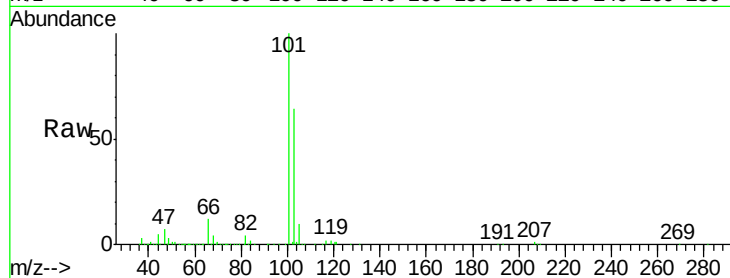
Trichlorofluoromethane
Concen: 18.589 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.9	76.3

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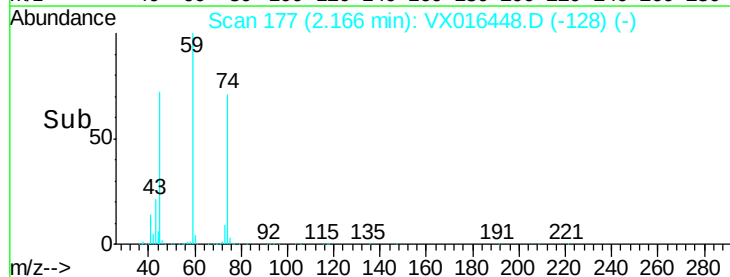
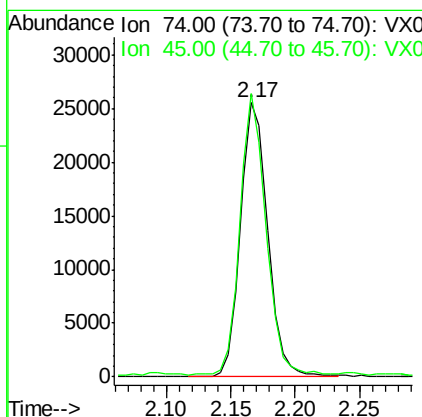
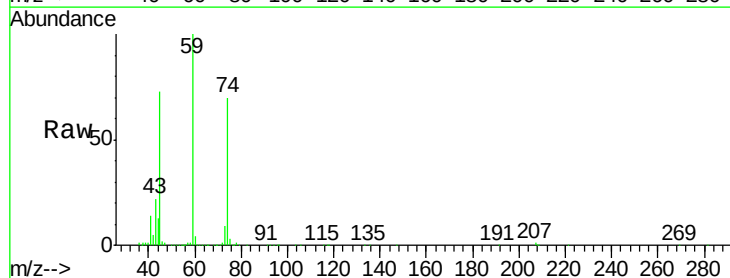
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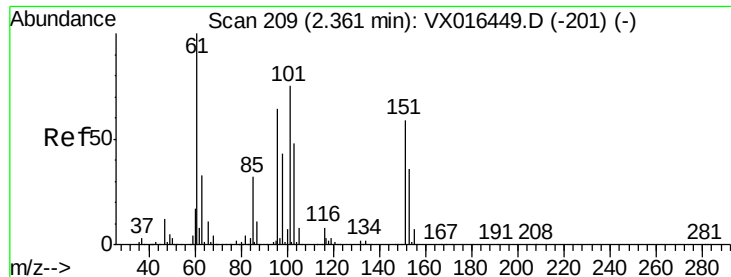


#8

Diethyl Ether
Concen: 17.268 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.563 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX016448.D

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Instrument :

MSVOA_X

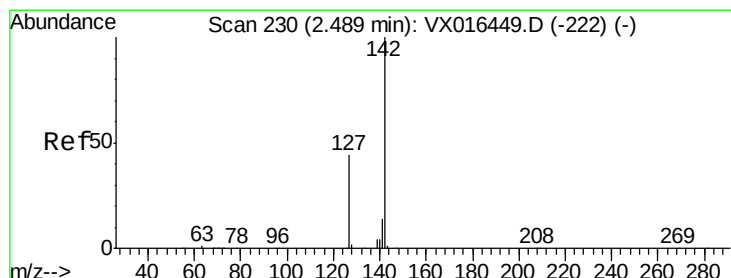
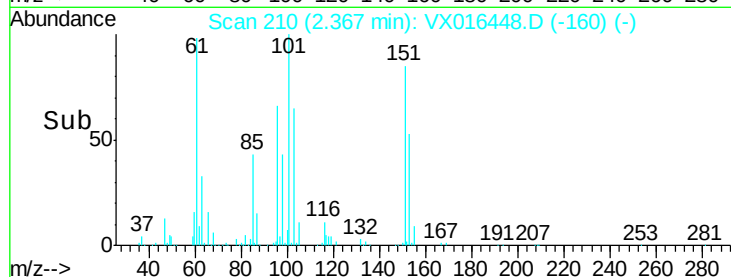
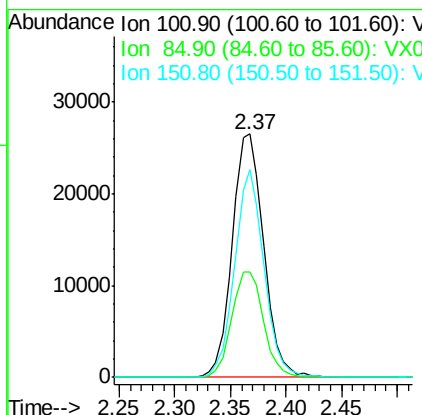
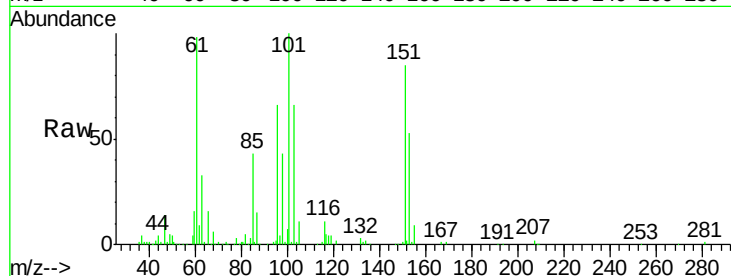
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	51884
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.4	51.6
151	79.5	63.8	95.6

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#10

Methyl Iodide

Concen: 12.913 ug/l

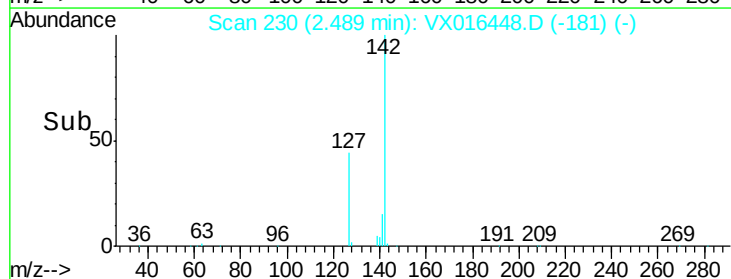
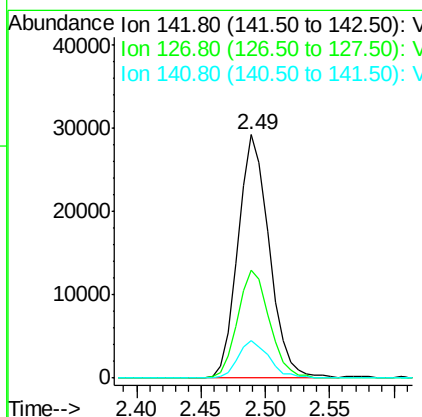
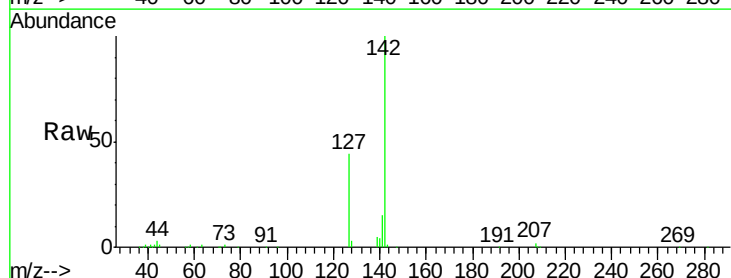
RT: 2.49 min Scan# 230

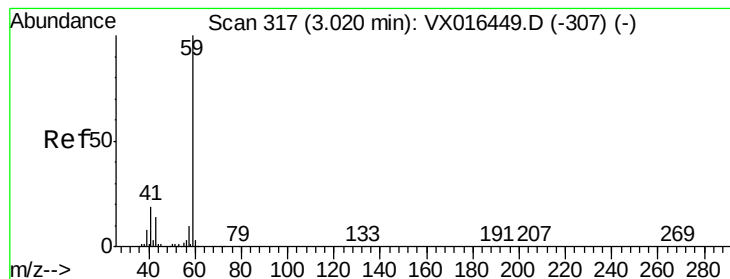
Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Tgt Ion:	142	Resp:	49221
Ion Ratio	Lower	Upper	
142	100		
127	45.3	35.3	52.9
141	15.3	11.4	17.2





#11

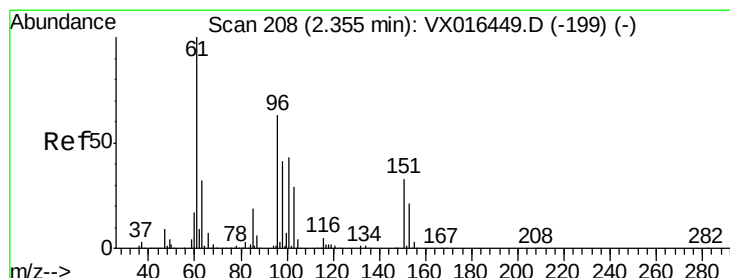
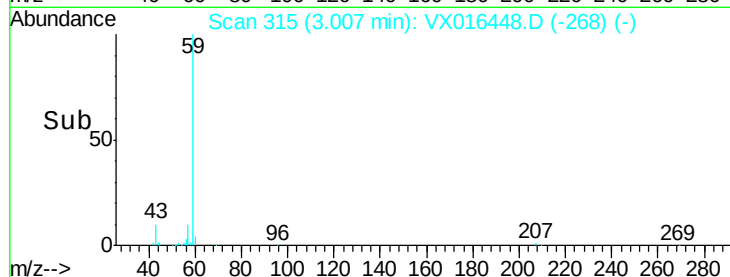
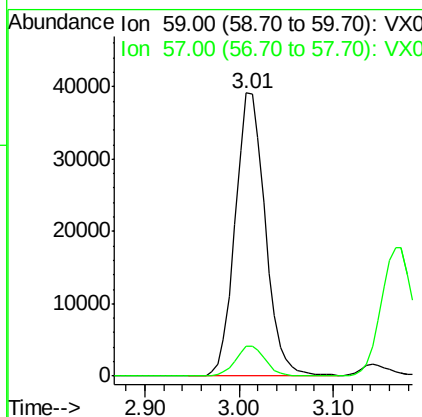
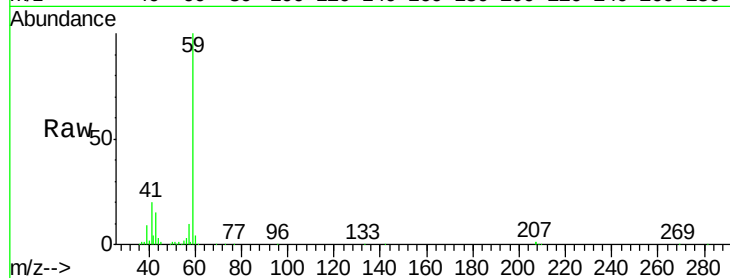
Tert butyl alcohol
Concen: 87.770 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4

Manual Integrations
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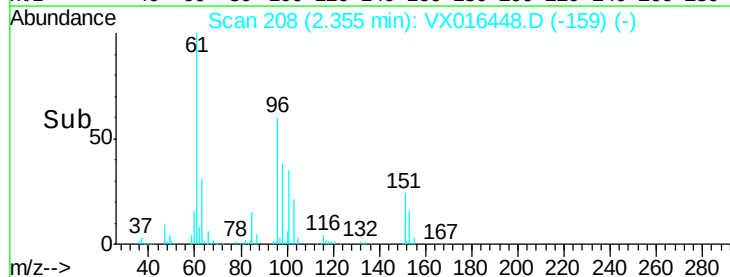
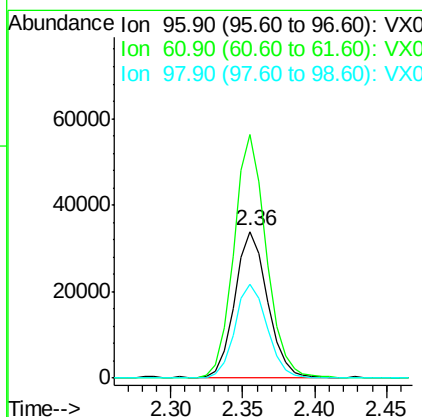
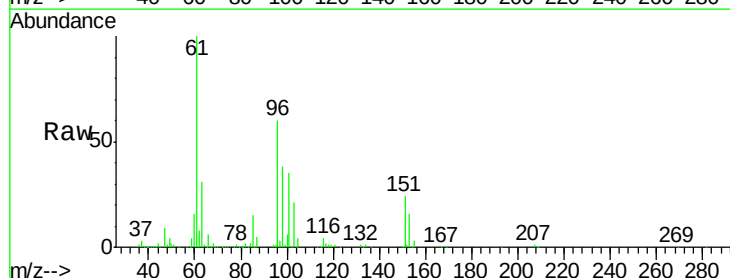
MMDadoda
5/28/2020 2:10:22 PM

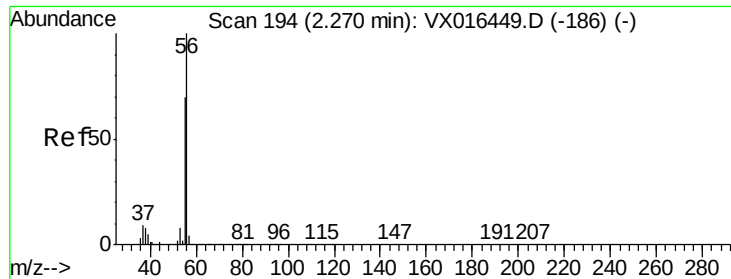


#12

1,1-Dichloroethene
Concen: 17.318 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.0	126.6	189.8
98	63.9	51.3	76.9





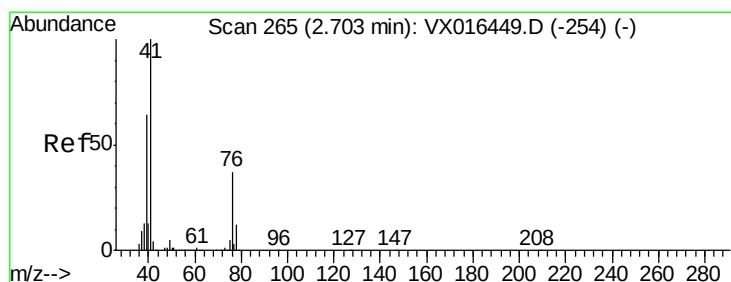
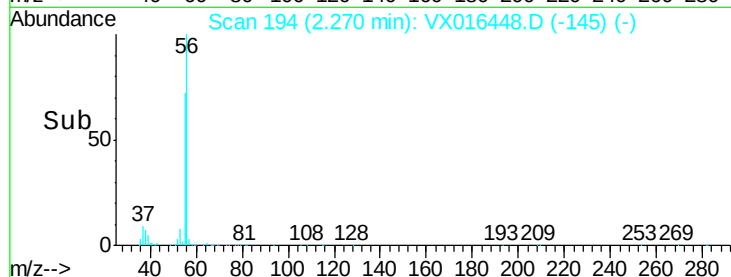
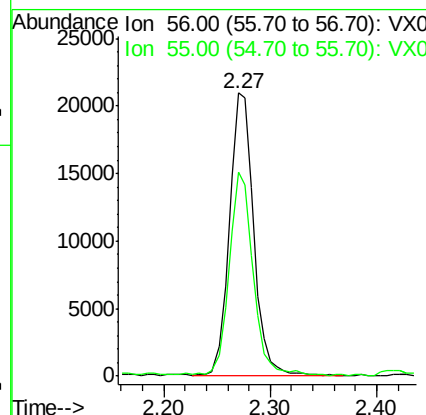
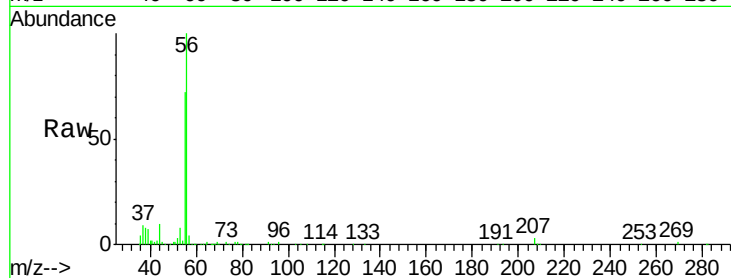
#13
Acrolein
Concen: 56.999 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	56	55	Ratio	100	73.0	Resp	33125	Lower	58.3	Upper	87.5
Ion	56	55	Ratio	100	73.0	Resp	33125	Lower	58.3	Upper	87.5

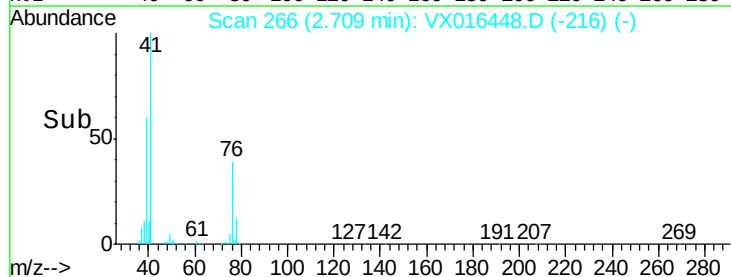
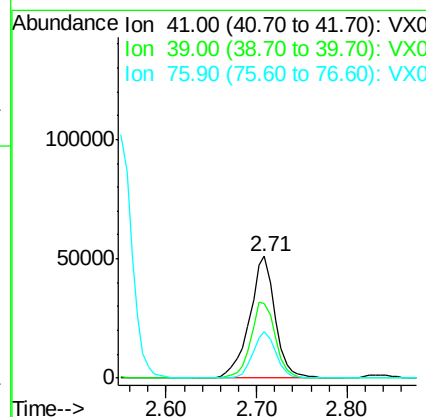
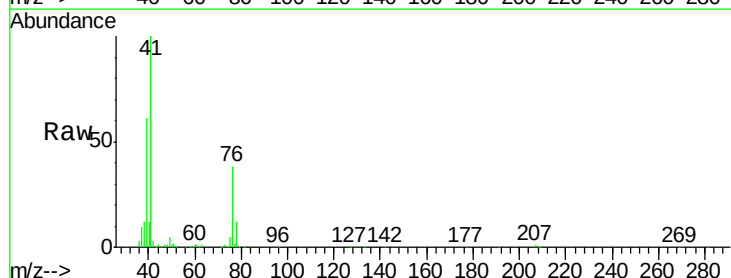
Manual Integrations
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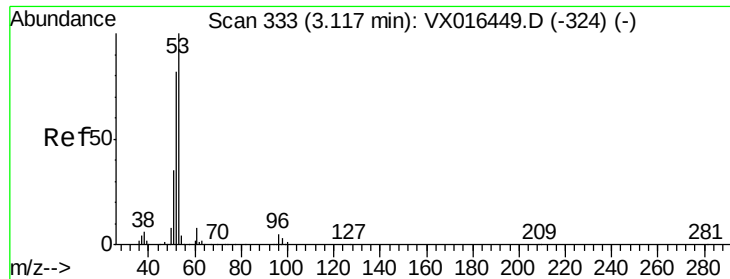
MMDadoda
5/28/2020 2:10:22 PM



#14
Allyl chloride
Concen: 17.378 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion	41	39	76	Ratio	100	60.7	34.2	Resp	98906	Lower	47.7	26.6	Upper	71.5	40.0
Ion	41	39	76	Ratio	100	60.7	34.2	Resp	98906	Lower	47.7	26.6	Upper	71.5	40.0





#15

Acrylonitrile

Concen: 90.074 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

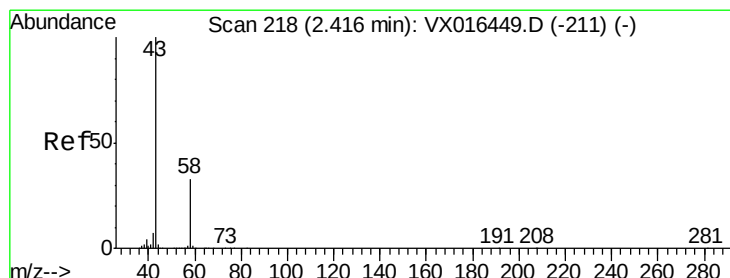
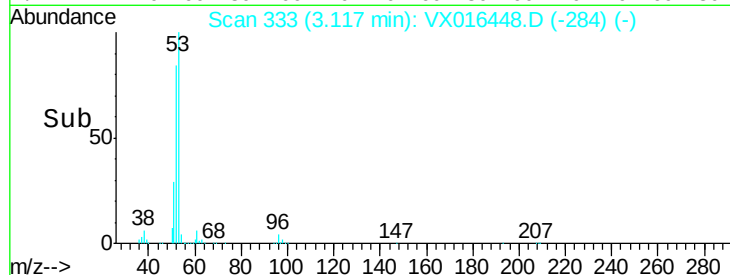
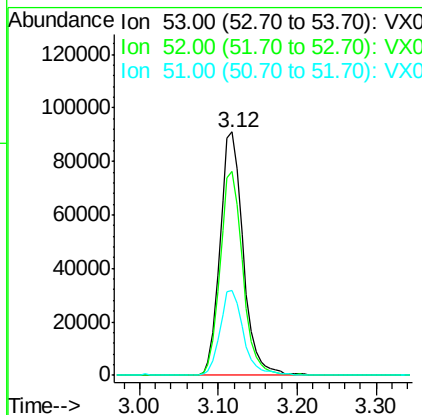
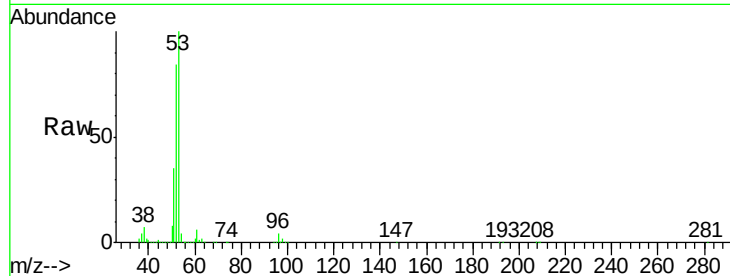
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	186755
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.7	100.1
51	35.6	28.6	43.0

Manual Integrations
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5/28/2020 2:10:22 PM



#16

Acetone

Concen: 87.701 ug/l

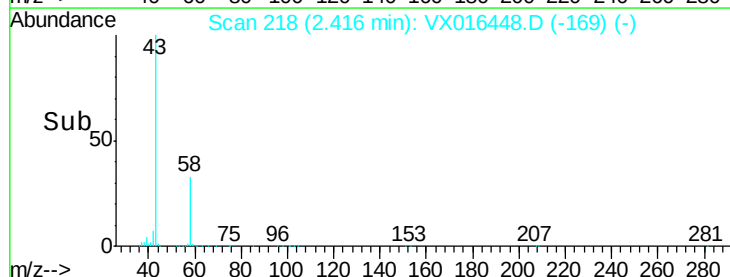
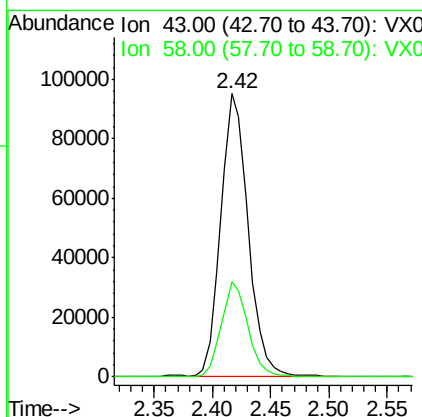
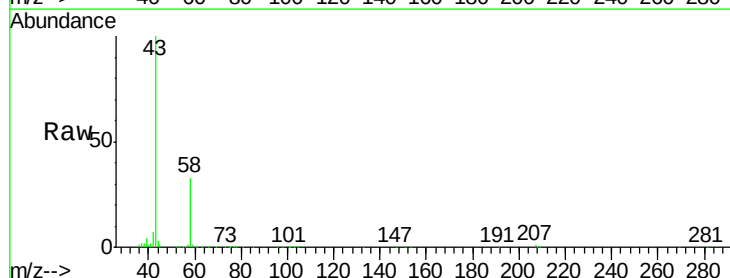
RT: 2.42 min Scan# 218

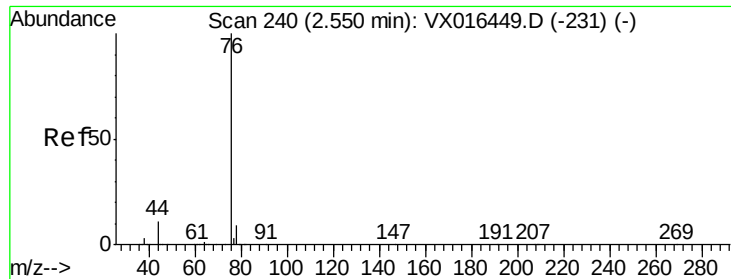
Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Tgt Ion:	43	Resp:	154031
Ion Ratio	Lower	Upper	
43	100		
58	33.5	26.1	39.1





#17

Carbon Disulfide

Concen: 15.462 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 162710

Ion Ratio Lower Upper

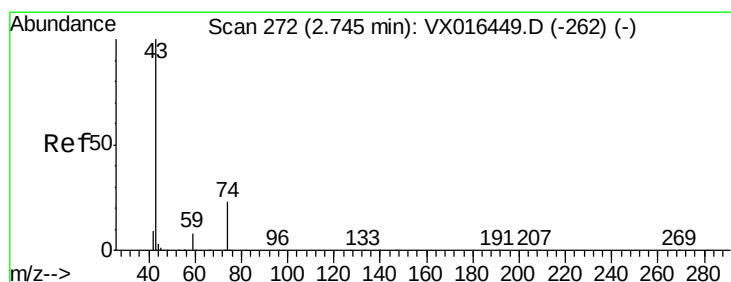
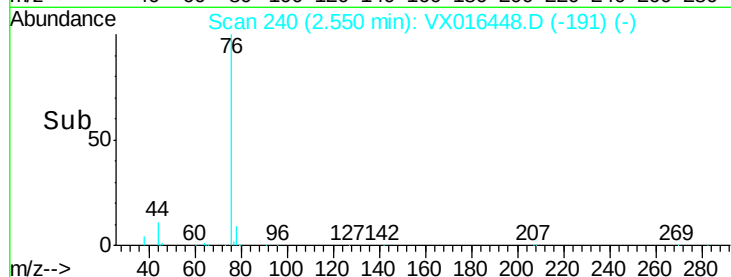
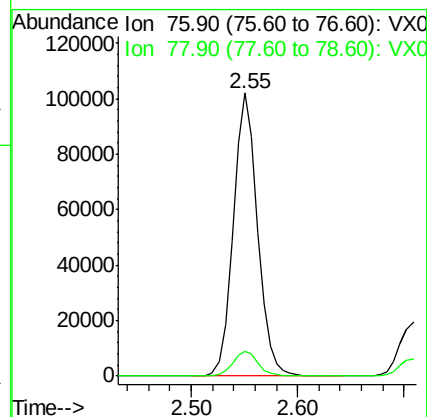
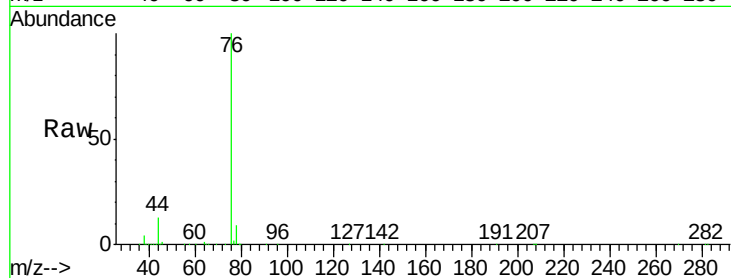
76 100

78 8.8 7.4 11.0

Manual Integrations
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#18

Methyl Acetate

Concen: 18.649 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX016448.D

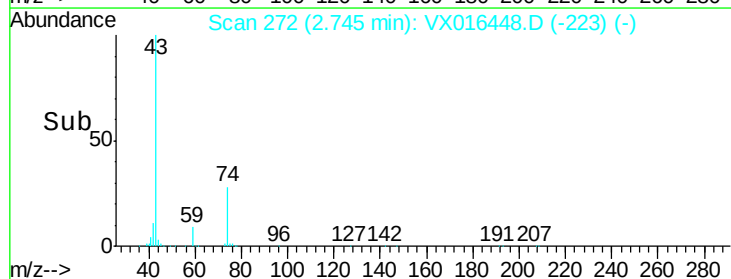
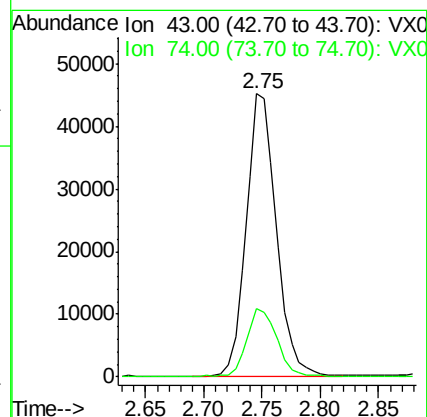
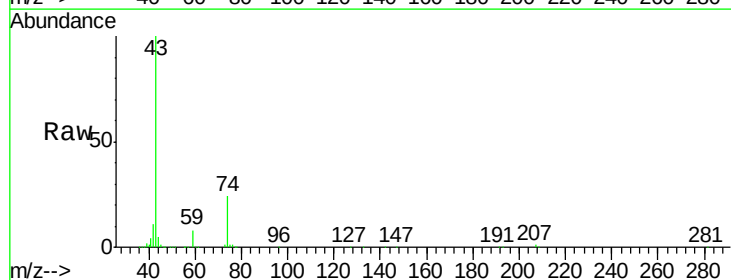
Acq: 27 May 2020 15:05

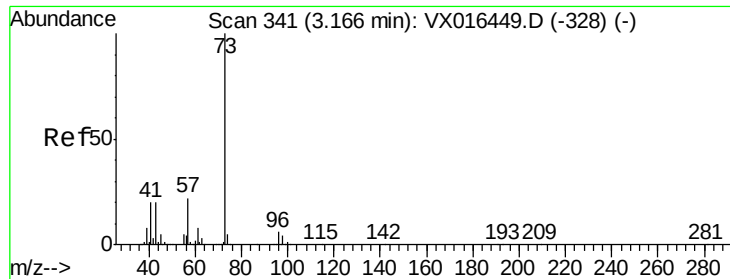
Tgt Ion: 43 Resp: 81179

Ion Ratio Lower Upper

43 100

74 24.8 19.7 29.5





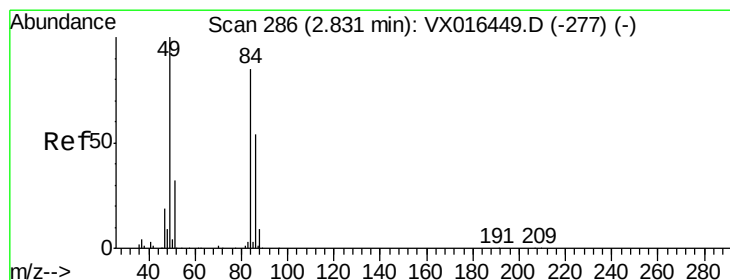
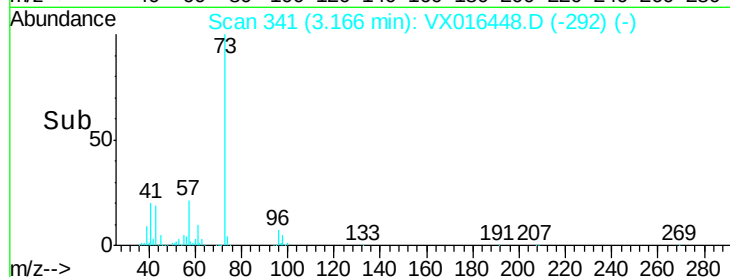
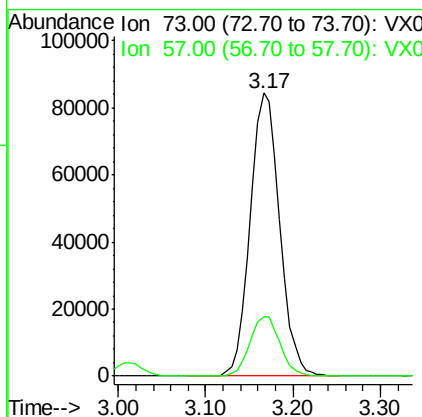
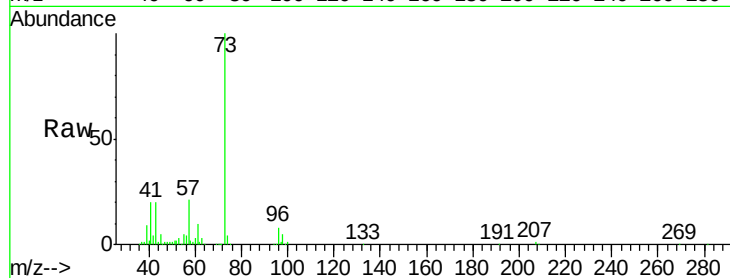
#19
Methyl tert-butyl Ether
Concen: 18.257 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	73	Resp	196482
Ion Ratio	100	Lower	Upper
73	100		
57	21.0	17.8	26.6

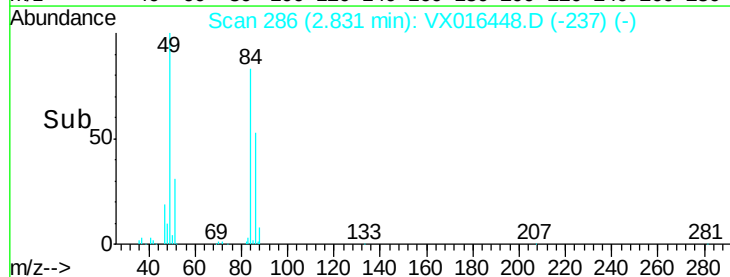
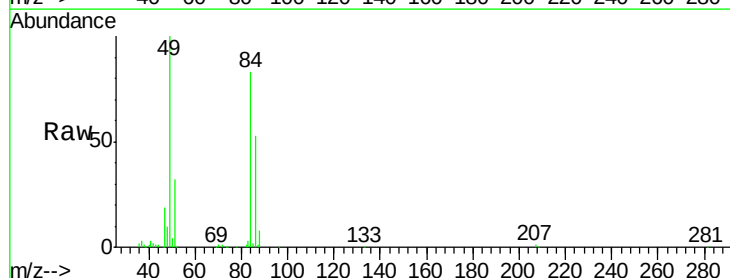
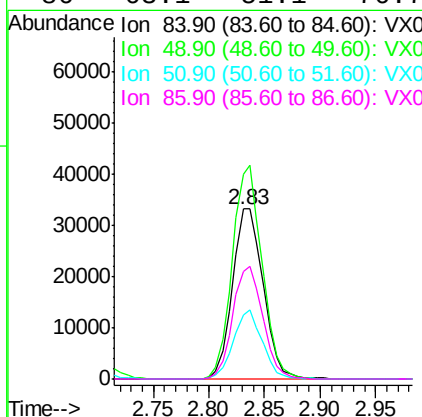
Manual Integrations
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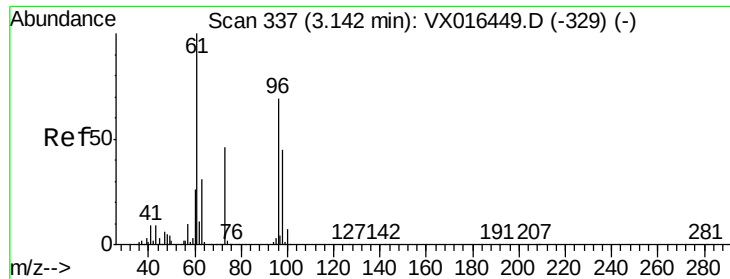
MMDadoda
5/28/2020 2:10:22 PM



#20
Methylene Chloride
Concen: 17.520 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion	84	Resp	63501
Ion Ratio	100	Lower	Upper
84	100		
49	120.0	94.5	141.7
51	37.8	30.2	45.4
86	63.1	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 17.606 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

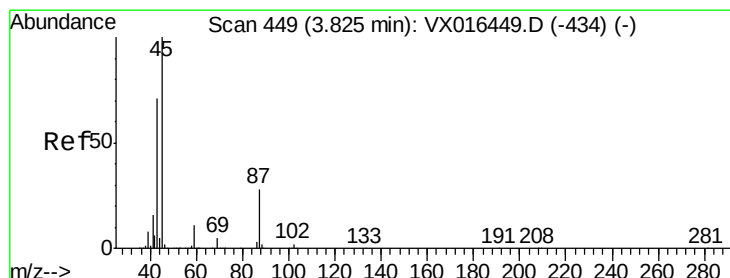
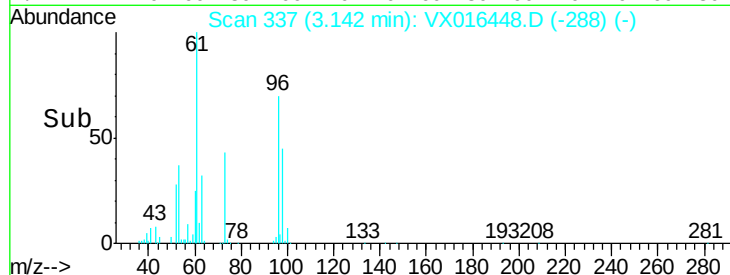
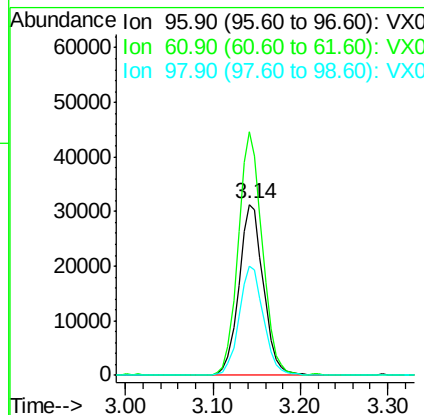
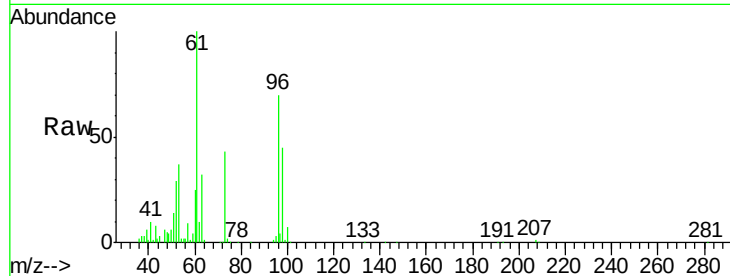
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	61101
Ion	Ratio	Lower	Upper
96	100		
61	142.3	115.3	172.9
98	64.0	51.9	77.9

Manual Integrations
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5/28/2020 2:10:22 PM



#22

Diisopropyl ether

Concen: 18.269 ug/l

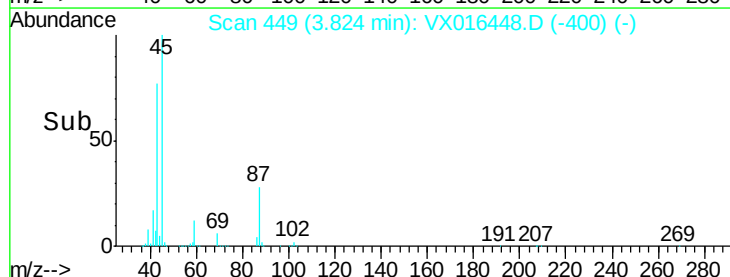
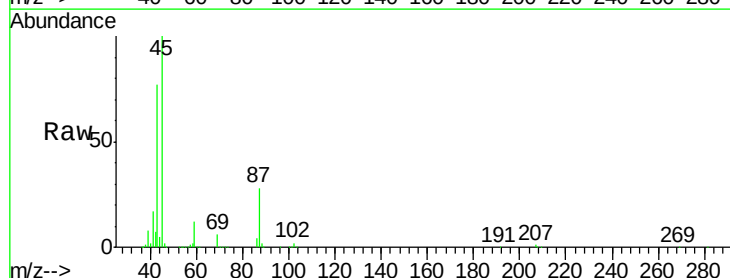
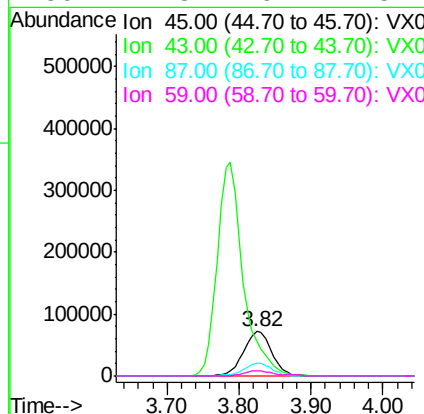
RT: 3.82 min Scan# 449

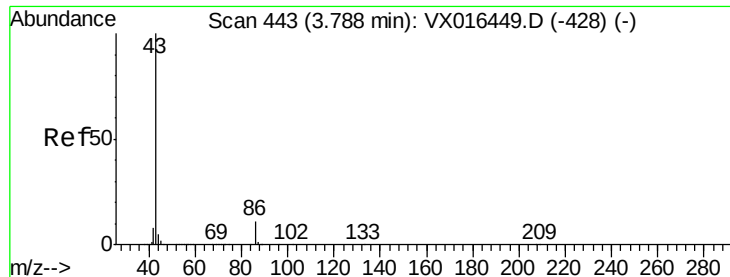
Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Tgt Ion:	45	Resp:	197444
Ion	Ratio	Lower	Upper
45	100		
43	76.3	57.0	85.6
87	28.1	22.5	33.7
59	11.8	9.1	13.7





#23

Vinyl Acetate

Concen: 91.365 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 867620

Ion Ratio Lower Upper

43 100

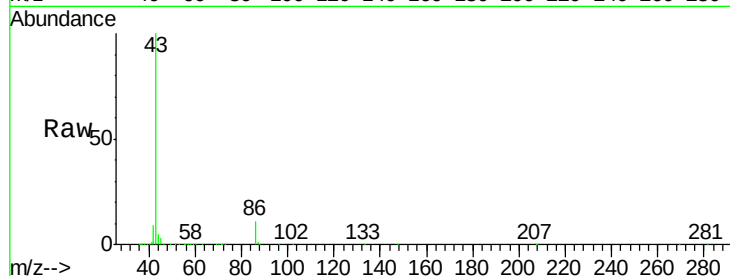
86 10.7 8.6 13.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.79

400000

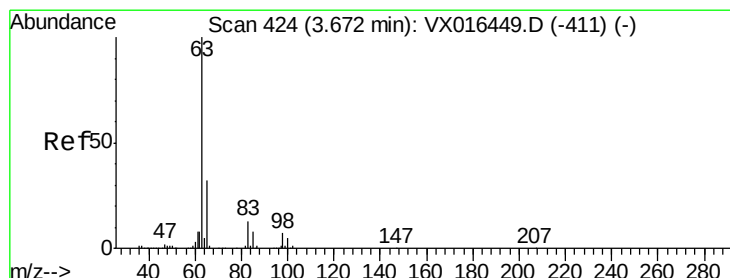
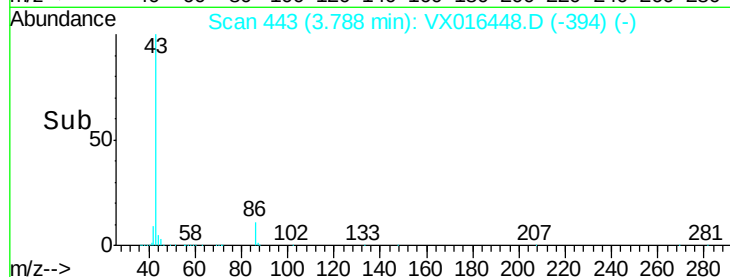
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.671 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

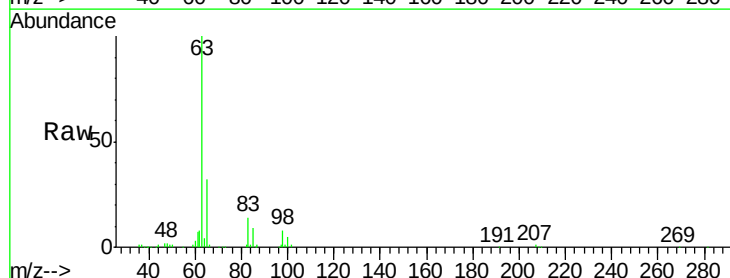
Tgt Ion: 63 Resp: 112825

Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

100 4.8 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

60000

50000

40000

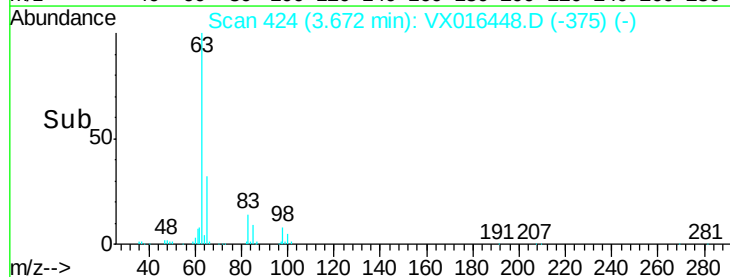
30000

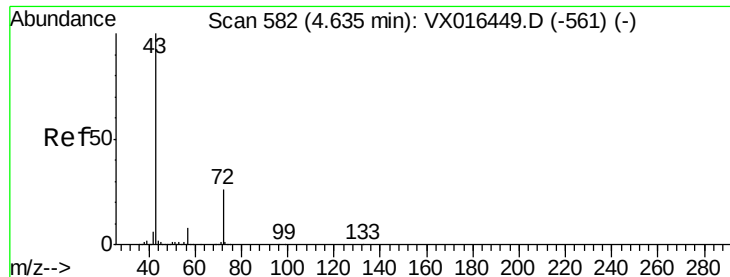
20000

10000

0

Time-->





#25

2-Butanone

Concen: 92.705 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 264276

Ion Ratio Lower Upper

43 100

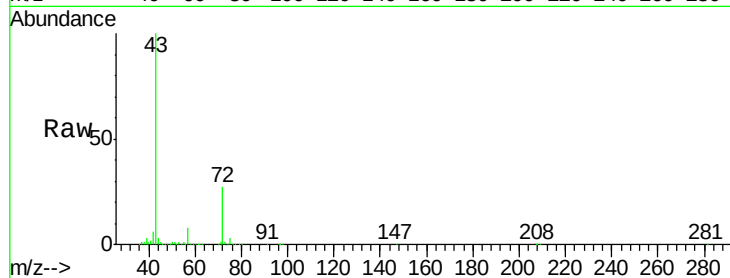
72 27.0 21.0 31.6

Manual Integrations

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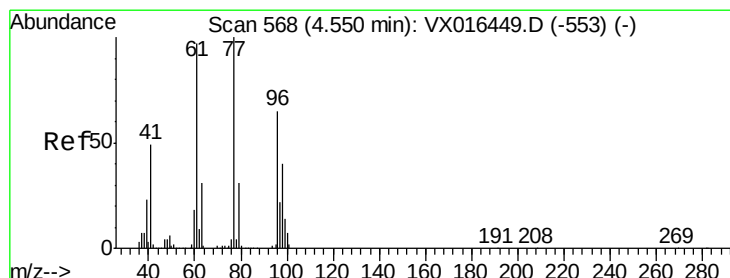
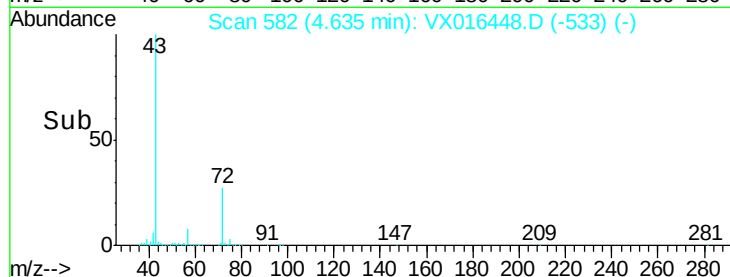
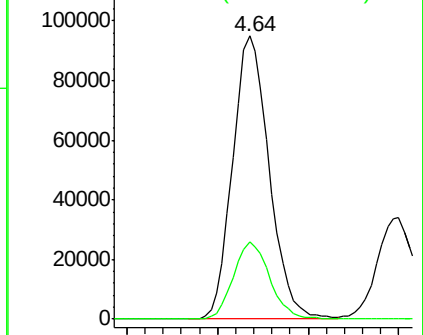
MMDadoda

5/28/2020 2:10:22 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.543 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016448.D

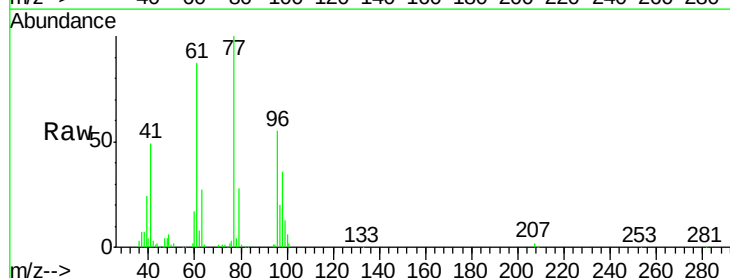
Acq: 27 May 2020 15:05

Tgt Ion: 77 Resp: 89385

Ion Ratio Lower Upper

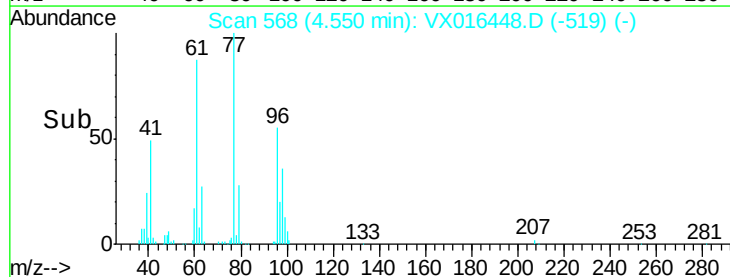
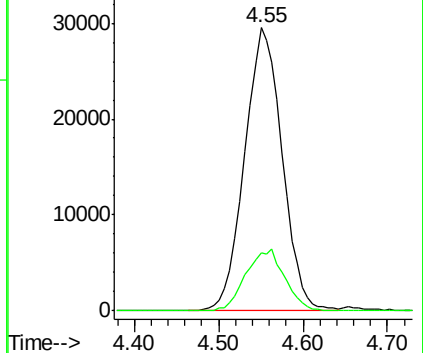
77 100

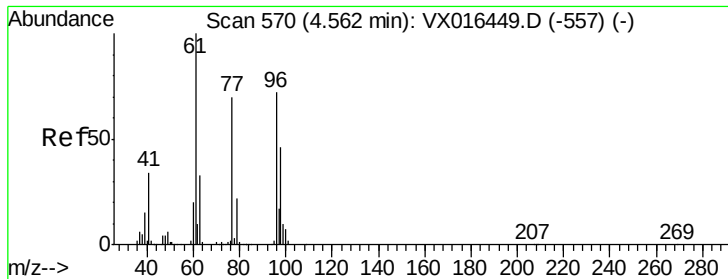
97 22.5 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

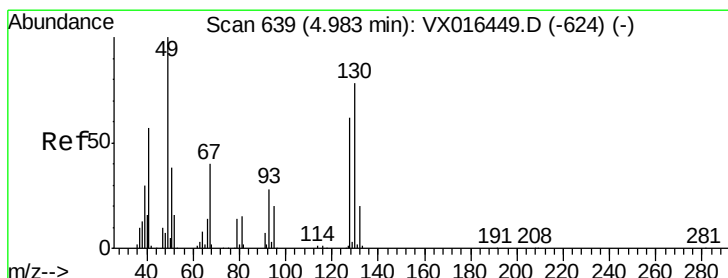
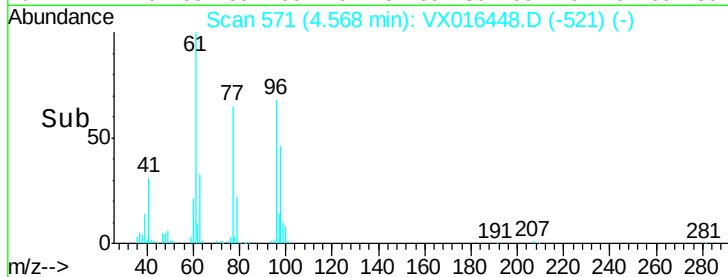
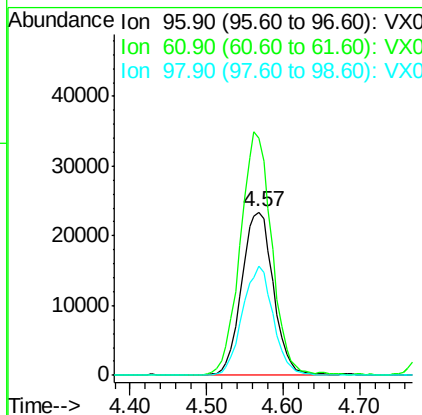
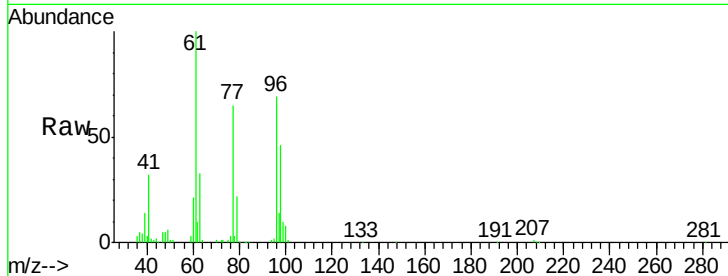
cis-1,2-Dichloroethene
Concen: 17.828 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	67813		
61	146.9	0.0	284.6	
98	64.5	0.0	127.2	

Manual Integrations
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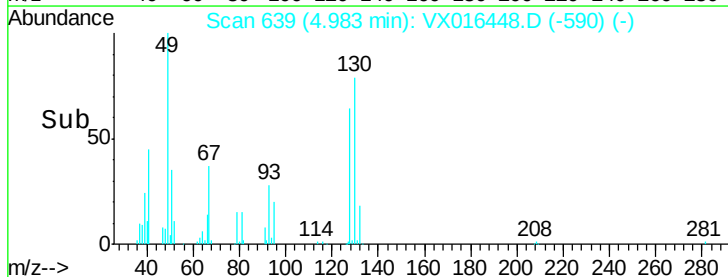
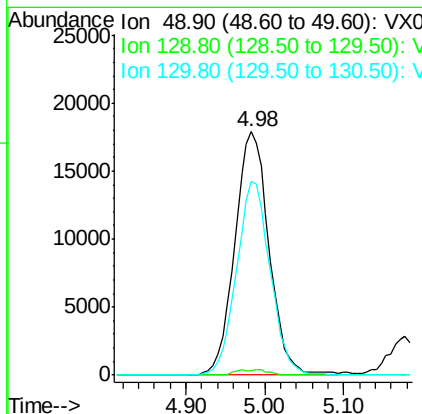
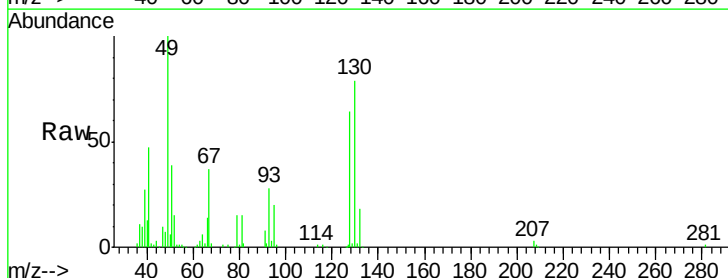
MMDadoda
5/28/2020 2:10:22 PM

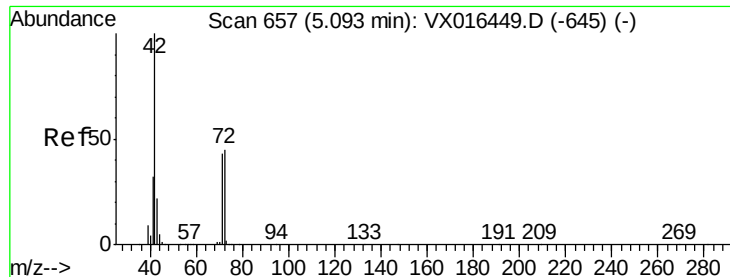


#28

Bromochloromethane
Concen: 19.656 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	53932		
129	2.2	0.0	4.0	
130	78.3	63.0	94.4	





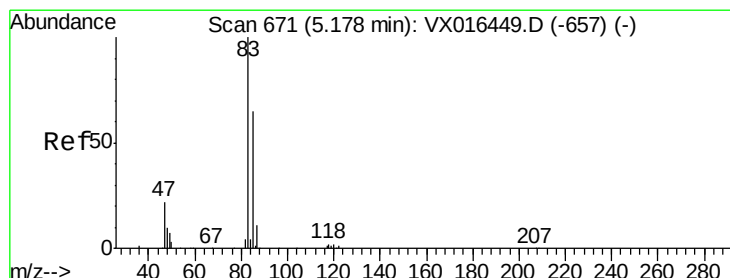
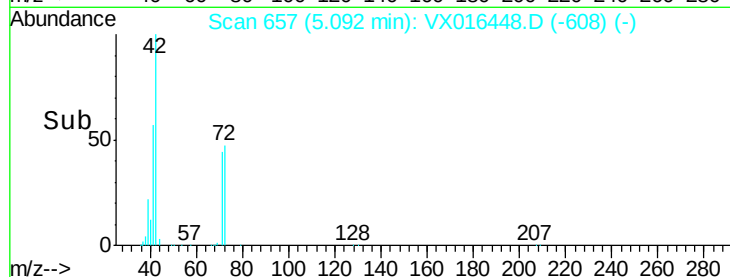
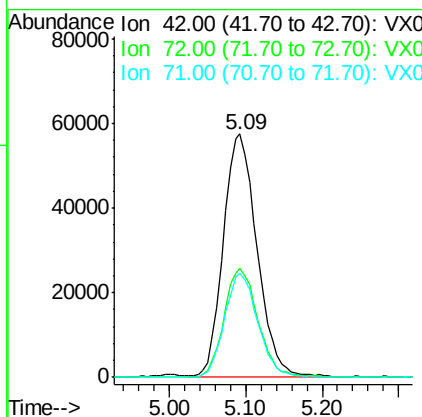
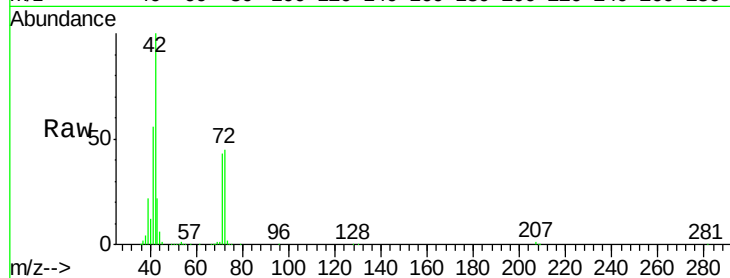
#29
Tetrahydrofuran
Concen: 92.635 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	37.0	55.4
71	42.6	34.1	51.1

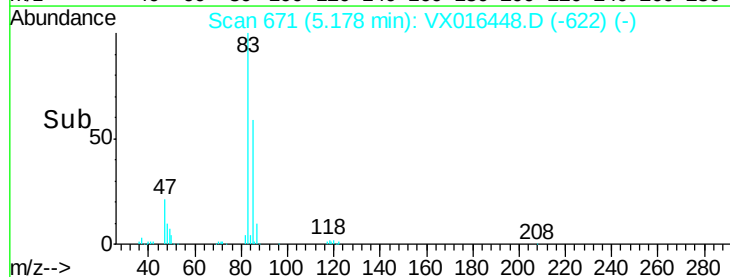
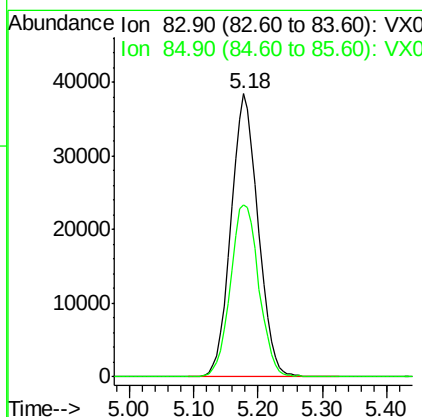
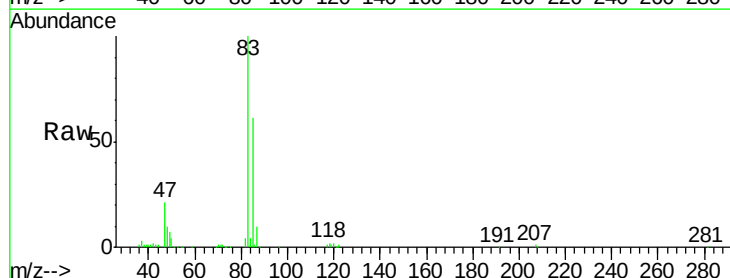
Manual Integrations
APPROVED

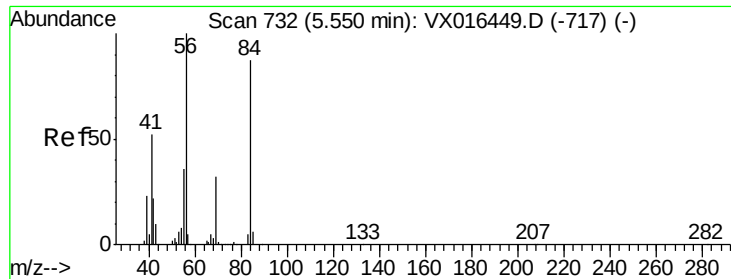
MMDadoda
5/28/2020 2:10:22 PM



#30
Chloroform
Concen: 18.799 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.7	52.0	78.0





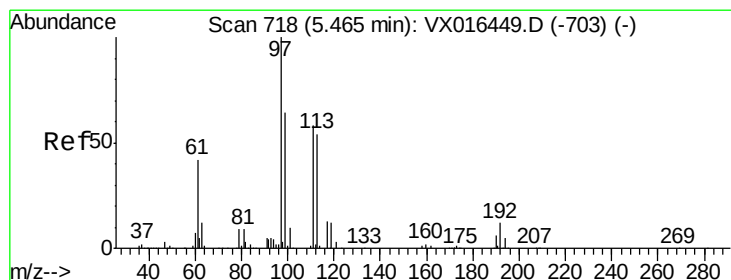
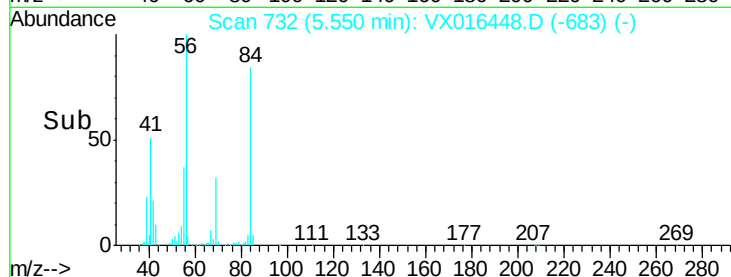
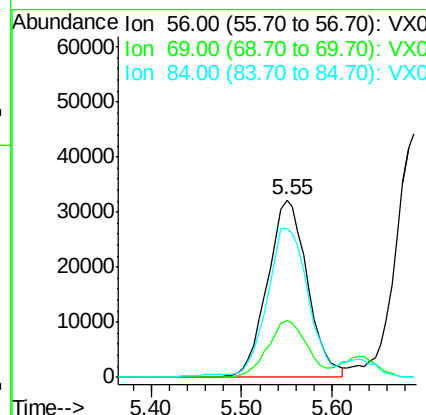
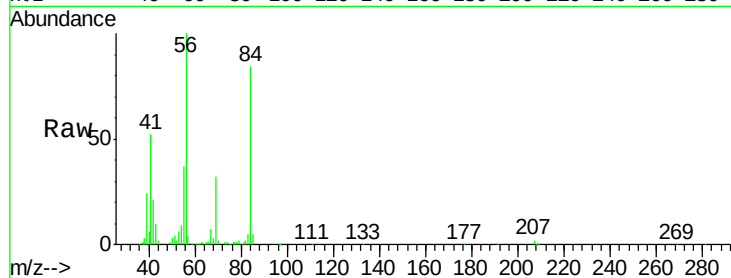
#31
Cyclohexane
Concen: 18.044 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.7	38.5
84	82.7	70.0	105.0

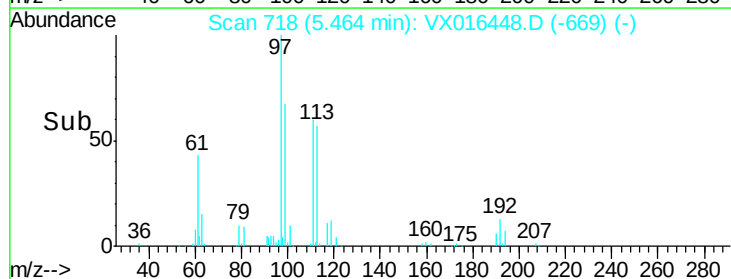
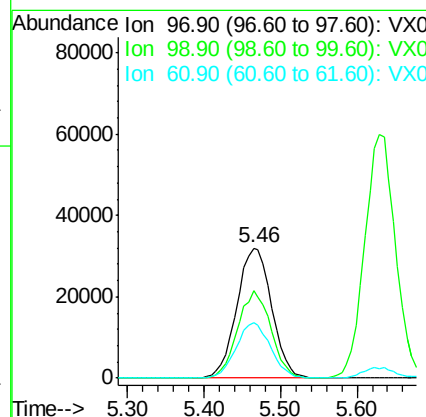
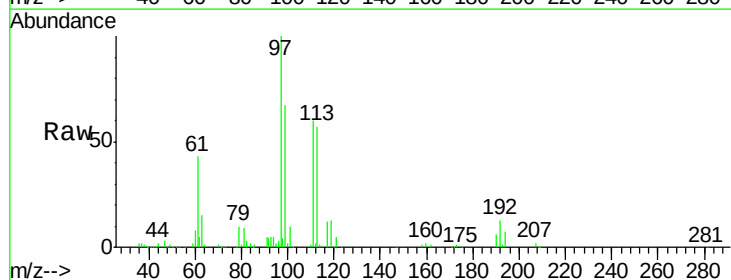
Manual Integrations
APPROVED

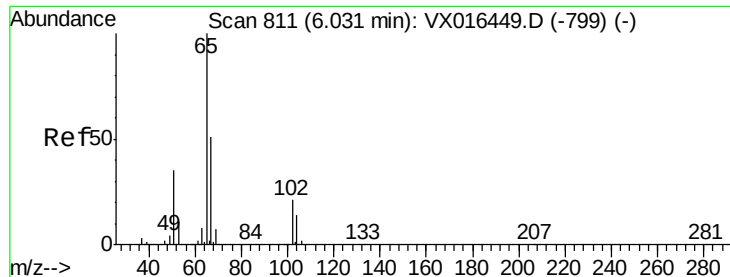
MMDadoda
5/28/2020 2:10:22 PM



#32
1,1,1-Trichloroethane
Concen: 18.468 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	42.0	33.5	50.3





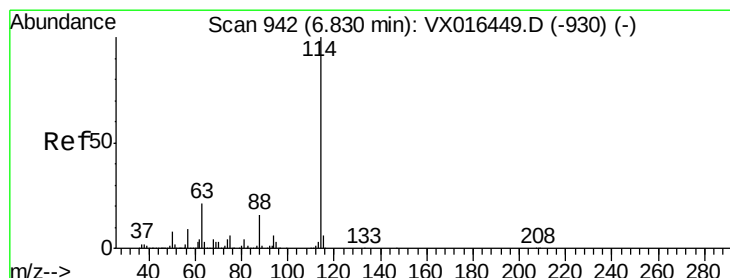
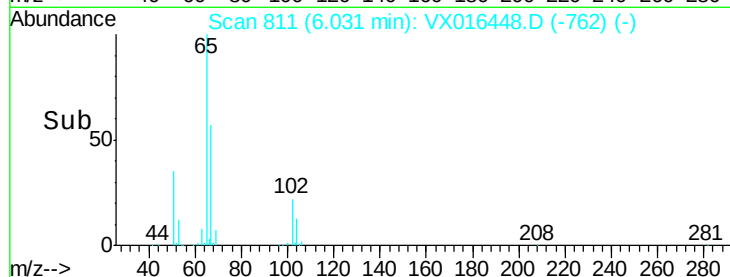
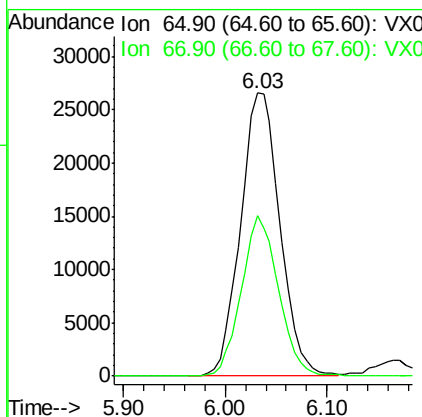
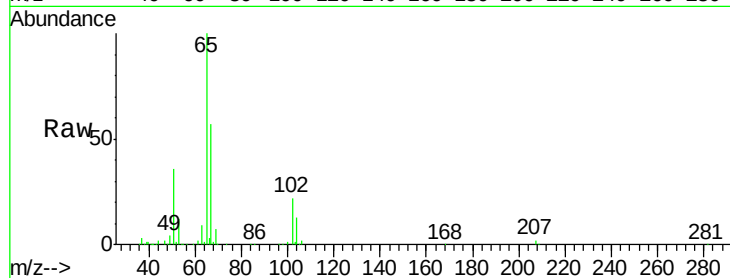
#33
 1,2-Dichloroethane-d4
 Concen: 18.027 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016448.D
 Acq: 27 May 2020 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	104.8

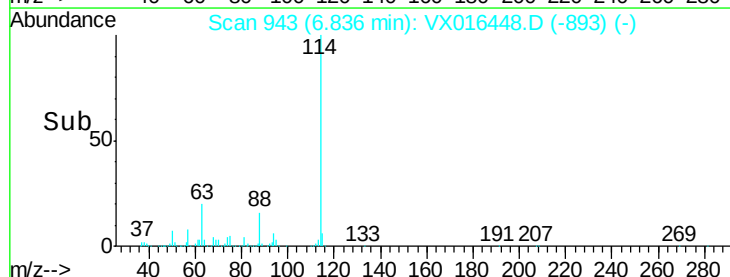
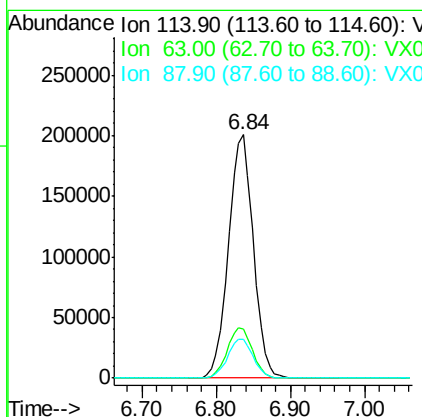
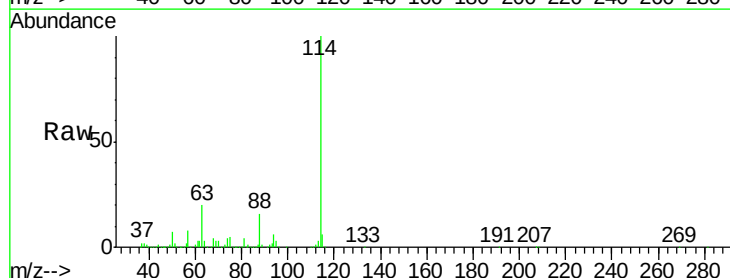
Manual Integrations
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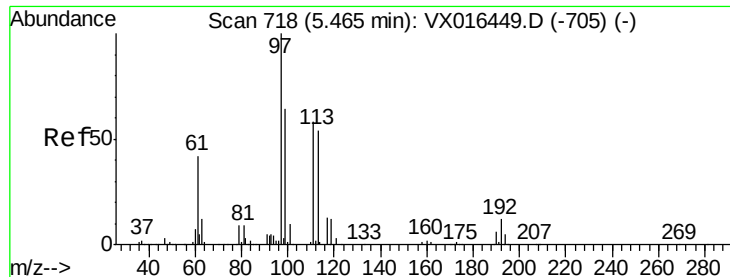
MMDadoda
 5/28/2020 2:10:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016448.D
 Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	42.6
88	15.8	0.0	32.8





#35

Dibromofluoromethane

Concen: 18.383 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

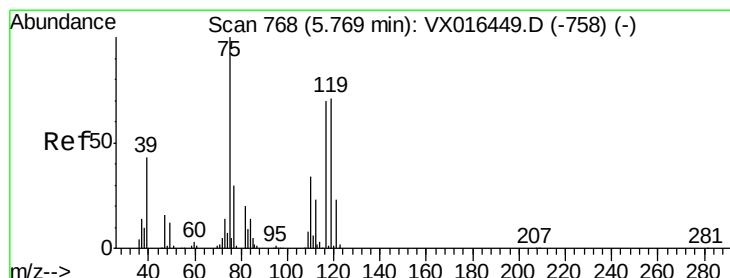
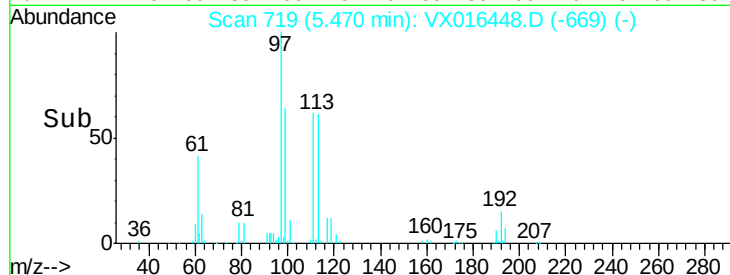
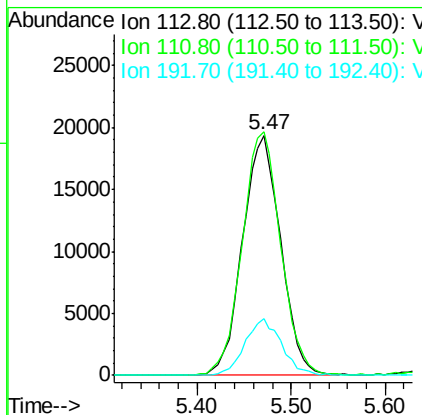
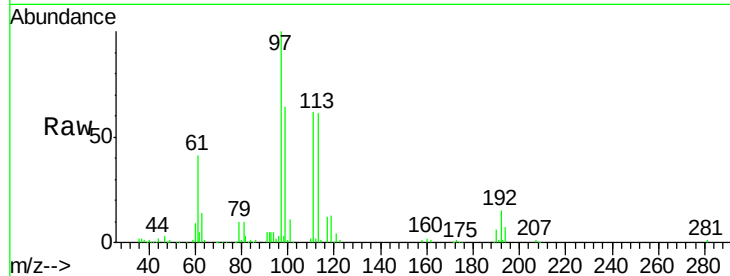
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	54806
Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.0	124.6
192	22.7	17.7	26.5

Manual Integrations
APPROVED

MMDadoda
5/28/2020 2:10:22 PM



#36

1,1-Dichloropropene

Concen: 18.159 ug/l

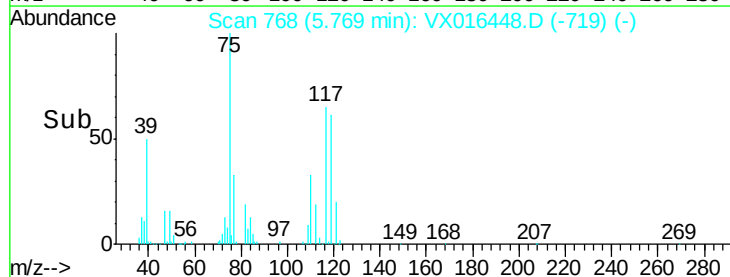
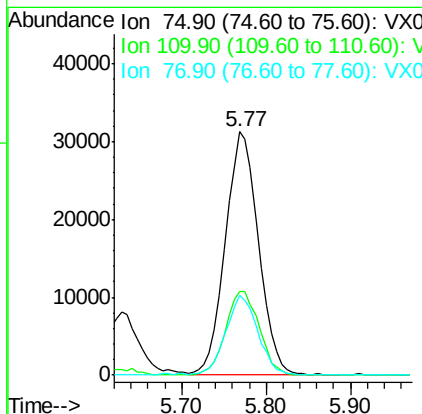
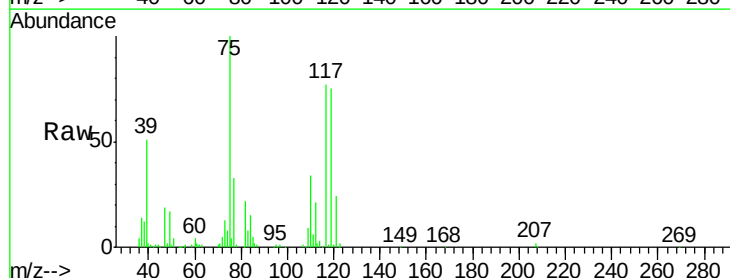
RT: 5.77 min Scan# 768

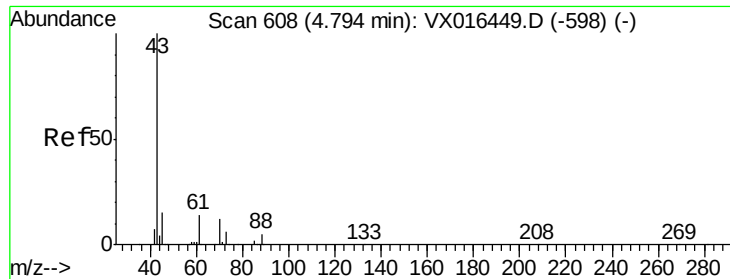
Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Tgt Ion:	75	Resp:	83947
Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.4	52.3
77	31.0	24.2	36.4





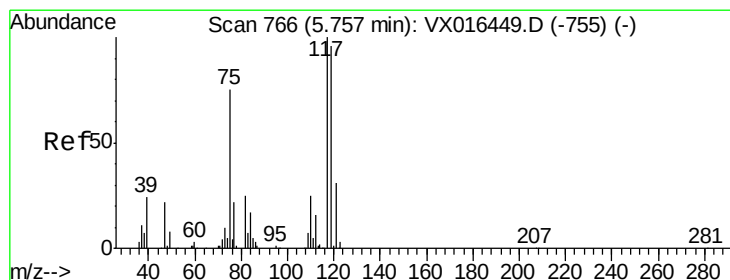
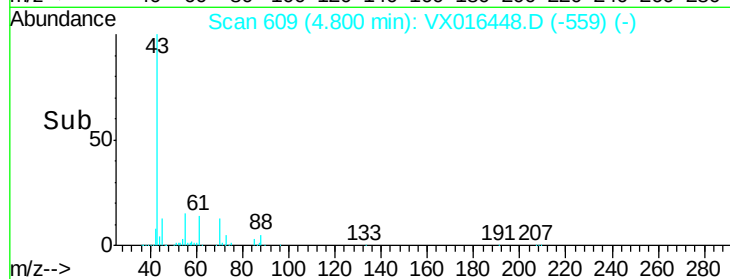
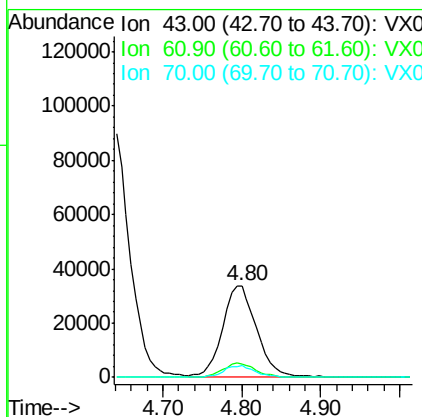
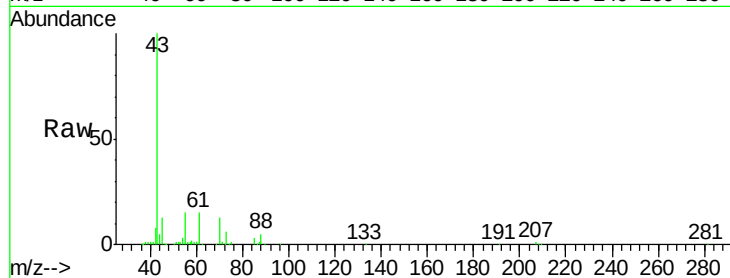
#37
Ethyl Acetate
Concen: 18.599 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	43	Resp:	99812
Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.3	16.9
70	12.2	9.3	13.9

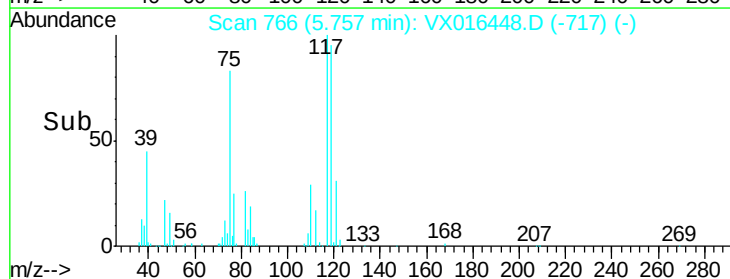
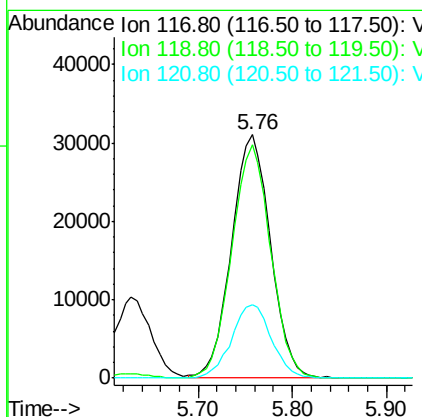
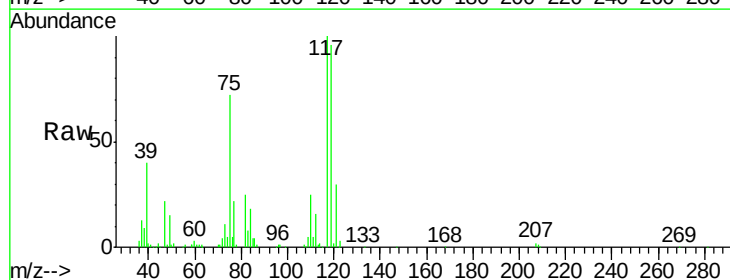
Manual Integrations
APPROVED

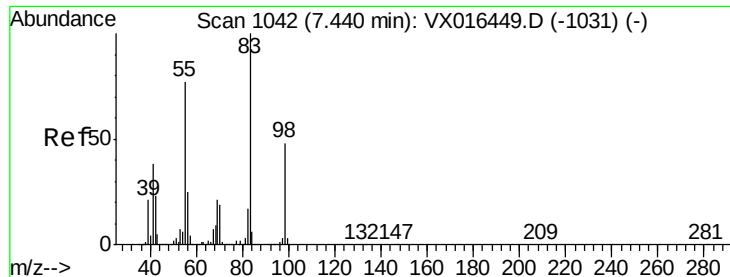
MMDadoda
5/28/2020 2:10:22 PM



#38
Carbon Tetrachloride
Concen: 19.045 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion:	117	Resp:	89776
Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.3	114.5
121	30.0	24.6	37.0





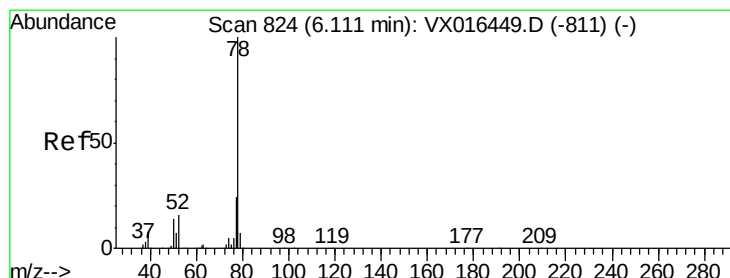
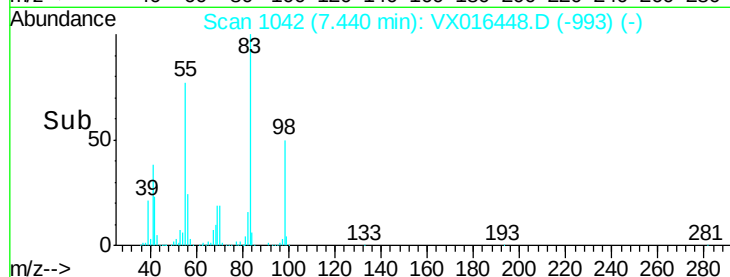
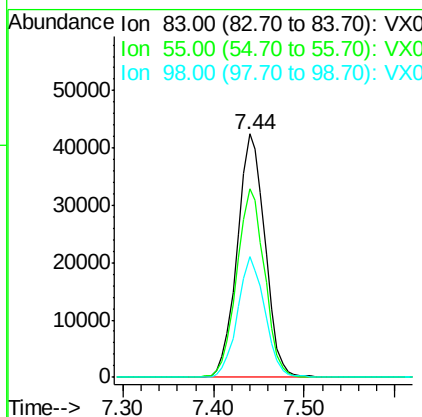
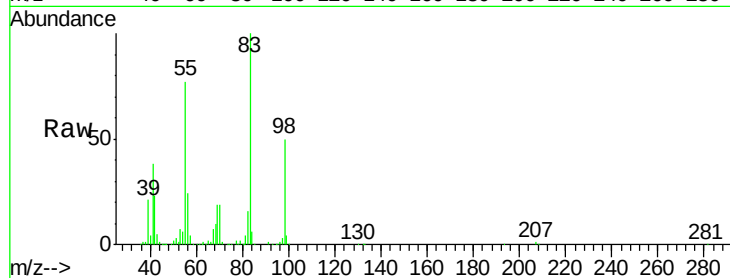
#39
Methylvlcyclohexane
Concen: 16.499 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.7	92.5
98	49.8	38.7	58.1

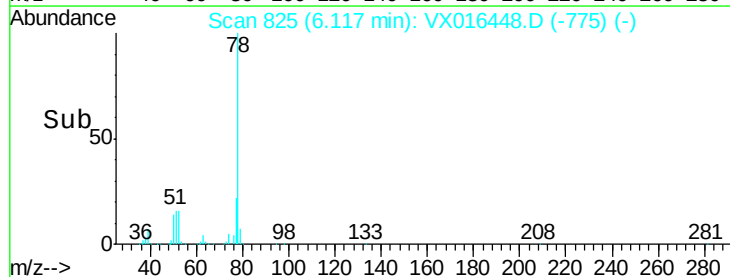
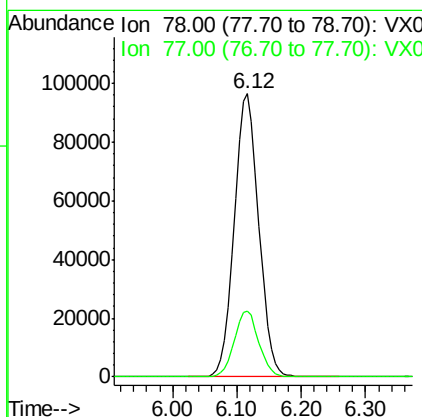
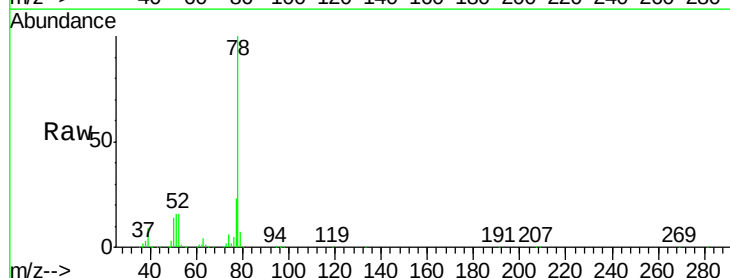
Manual Integrations
APPROVED

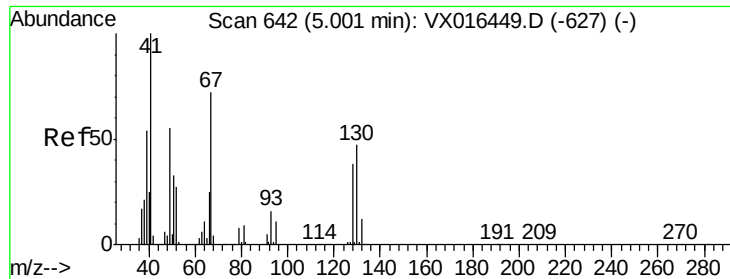
MMDadoda
5/28/2020 2:10:22 PM



#40
Benzene
Concen: 18.798 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.9	28.3





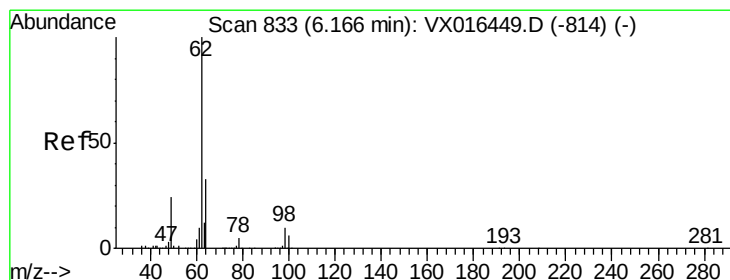
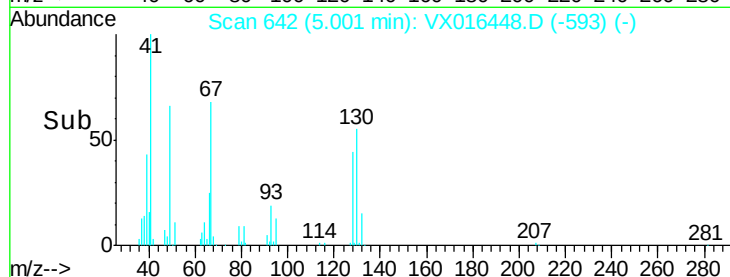
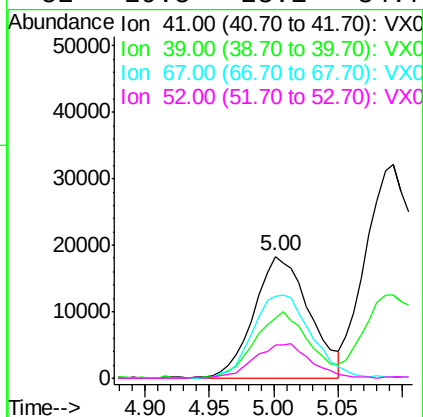
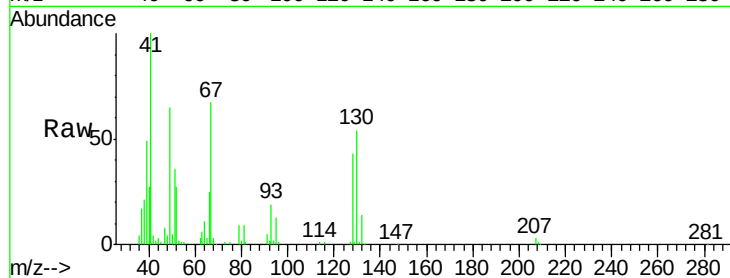
#41
Methacrylonitrile
Concen: 18.747 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		54225		
39	53.8	43.0	64.4		
67	73.3	58.9	88.3		
52	29.5	23.1	34.7		

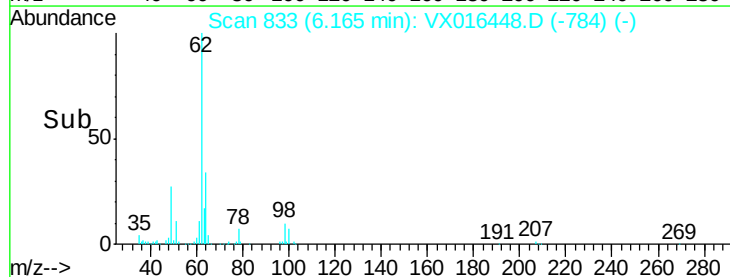
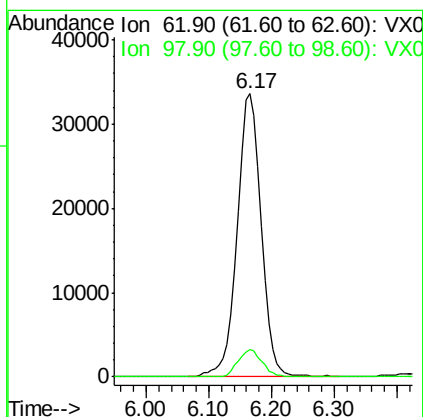
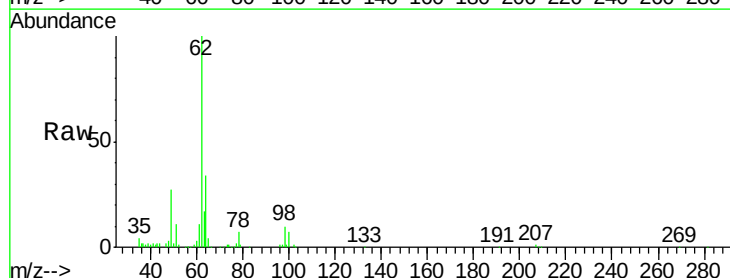
Manual Integrations
APPROVED

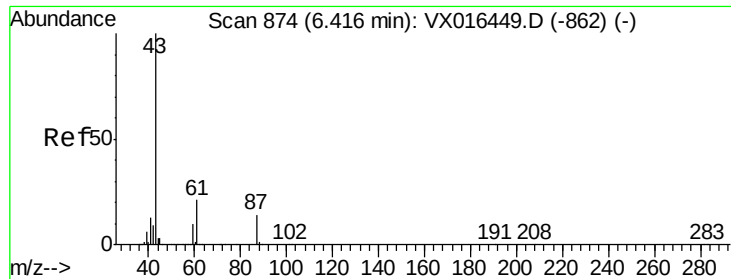
MMDadoda
5/28/2020 2:10:22 PM



#42
1,2-Dichloroethane
Concen: 18.274 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		89112		
98	9.7	0.0	19.8		





#43

Isopropyl Acetate

Concen: 18.230 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

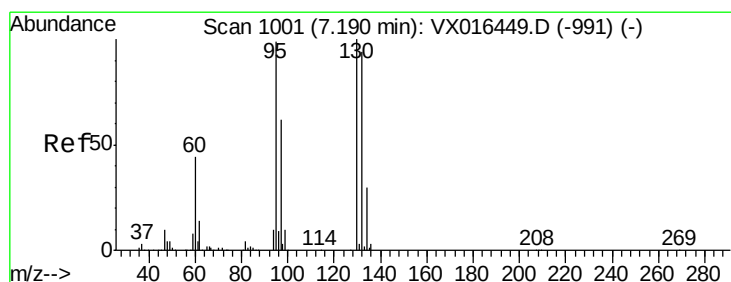
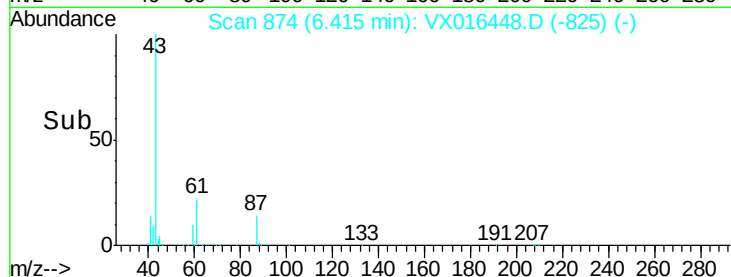
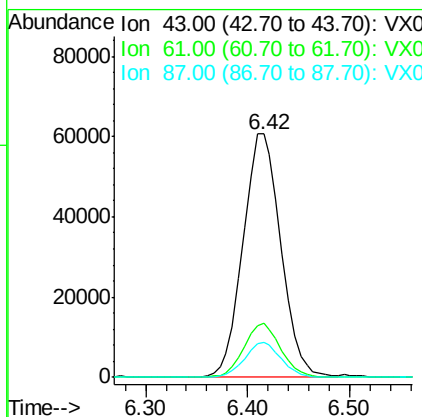
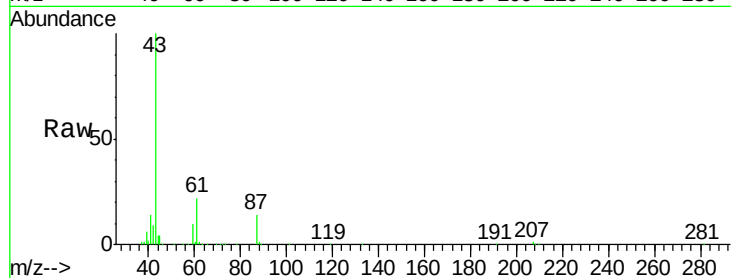
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	155723
Ion	Ratio	Lower	Upper
43	100		
61	21.6	16.8	25.2
87	13.8	11.2	16.8

Manual Integrations
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#44

Trichloroethene

Concen: 17.058 ug/l

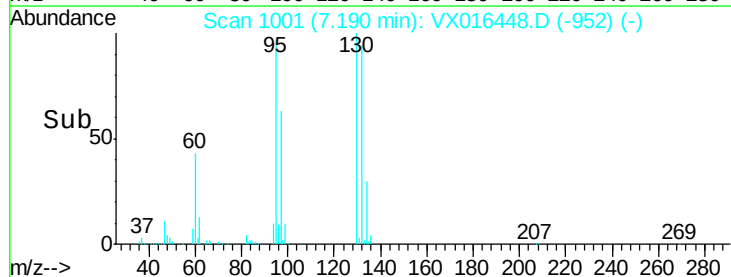
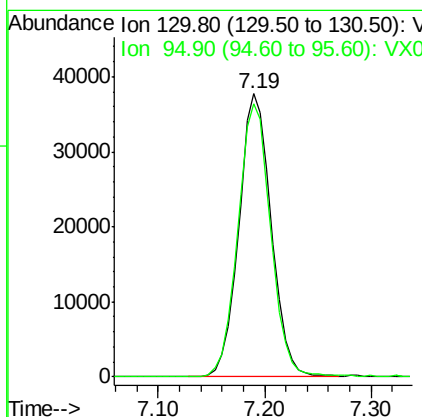
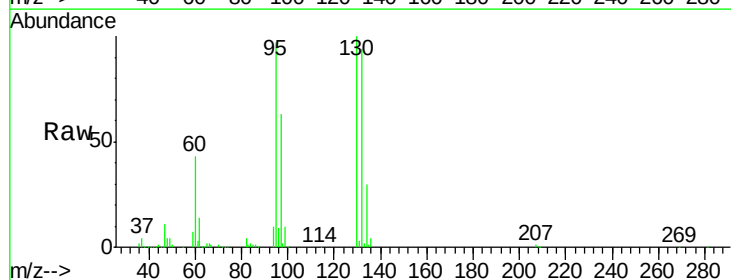
RT: 7.19 min Scan# 1001

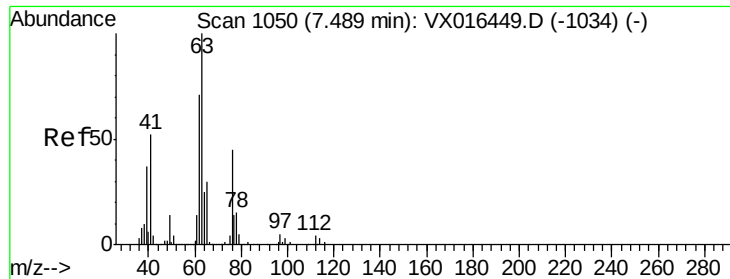
Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Tgt Ion:	130	Resp:	80669
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	198.2





#45

1,2-Dichloropropane

Concen: 19.015 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 65124

Ion Ratio Lower Upper

63 100

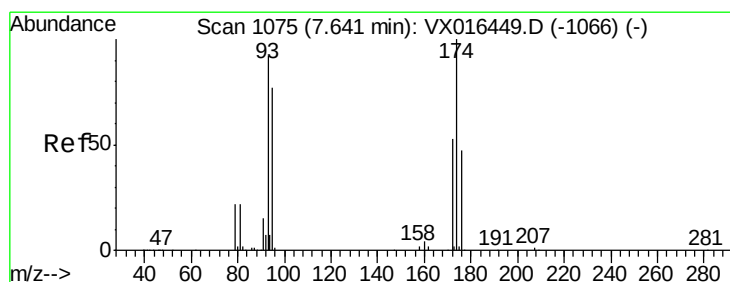
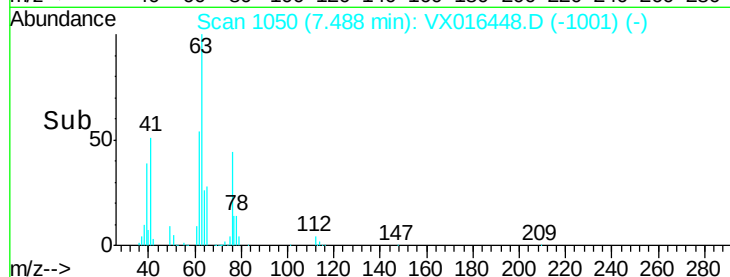
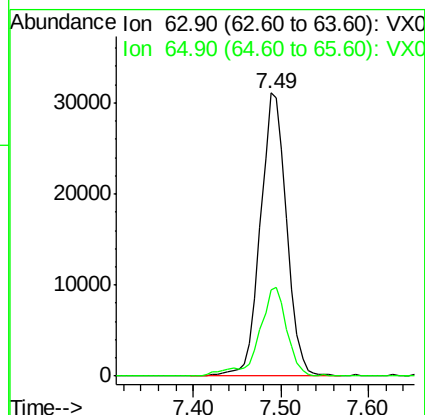
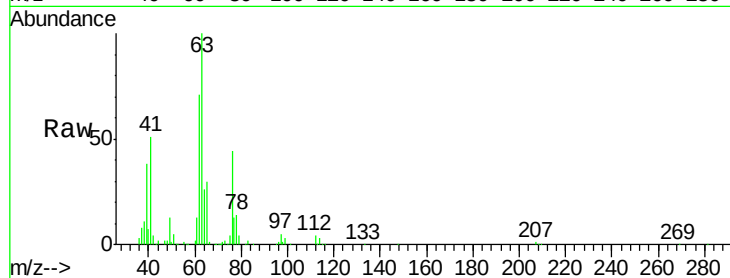
65 30.3 24.2 36.2

Manual Integrations

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#46

Dibromomethane

Concen: 18.696 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

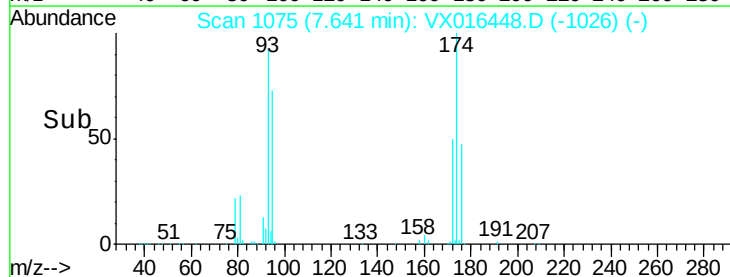
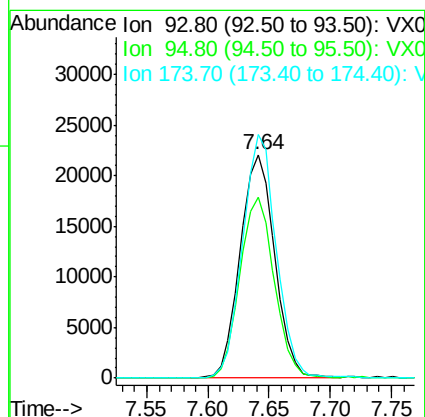
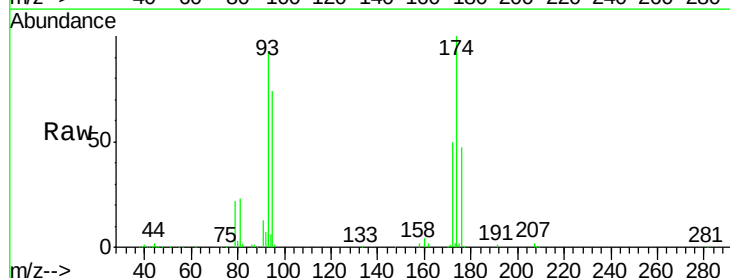
Tgt Ion: 93 Resp: 43506

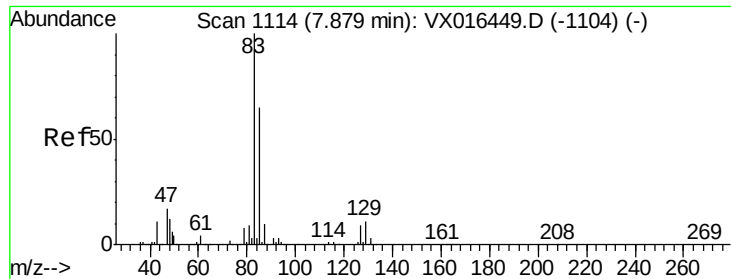
Ion Ratio Lower Upper

93 100

95 80.5 66.6 100.0

174 106.5 86.2 129.4





#47

Bromodichloromethane

Concen: 18.807 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

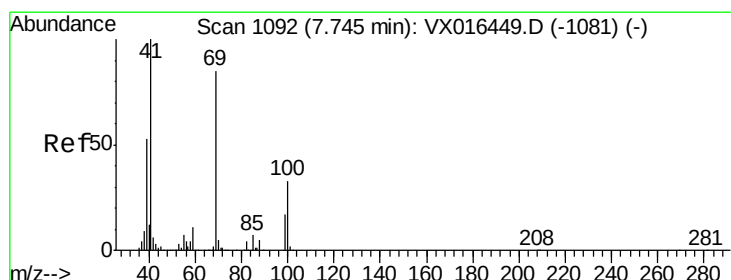
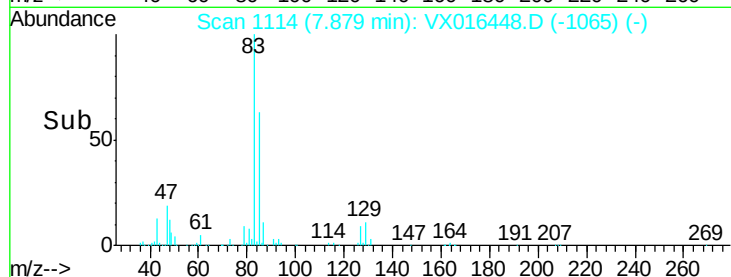
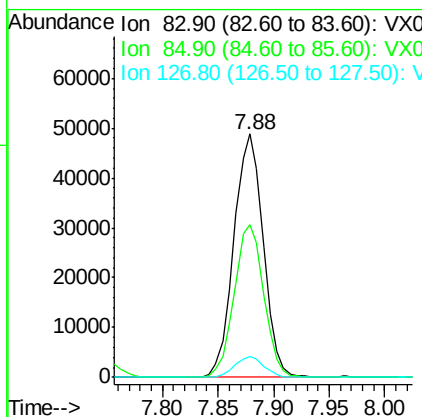
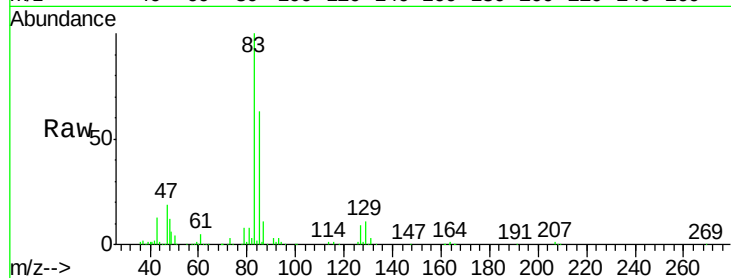
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	89179
Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.0	78.0
127	8.6	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.166 ug/l

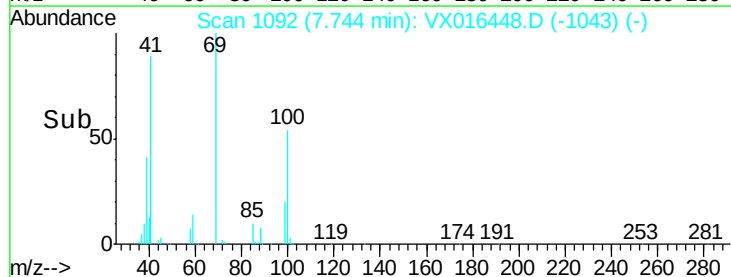
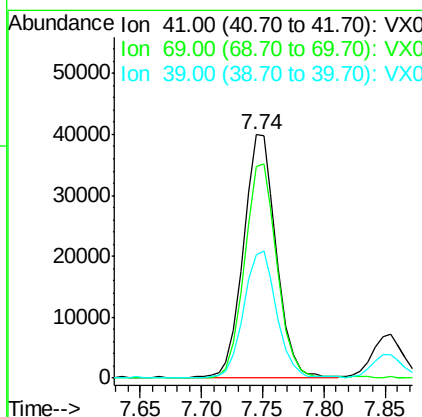
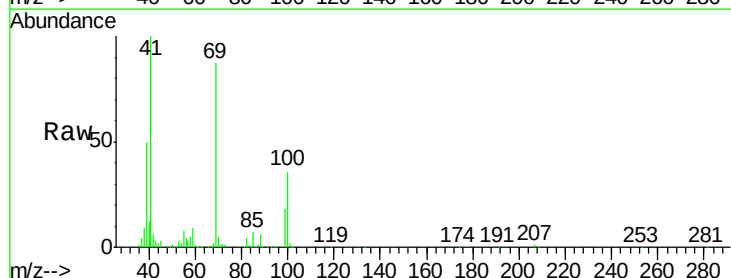
RT: 7.74 min Scan# 1092

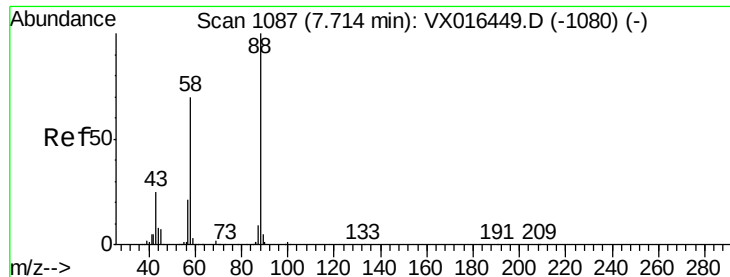
Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Tgt Ion:	41	Resp:	73747
Ion	Ratio	Lower	Upper
41	100		
69	87.9	68.6	102.8
39	53.4	42.4	63.6





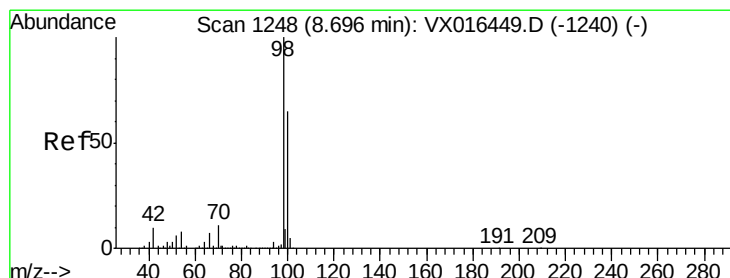
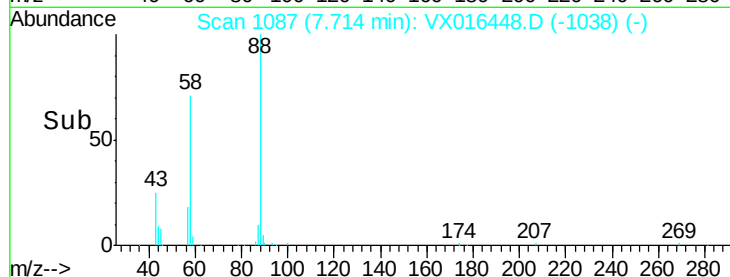
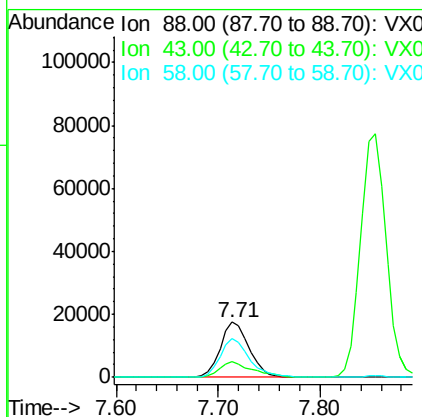
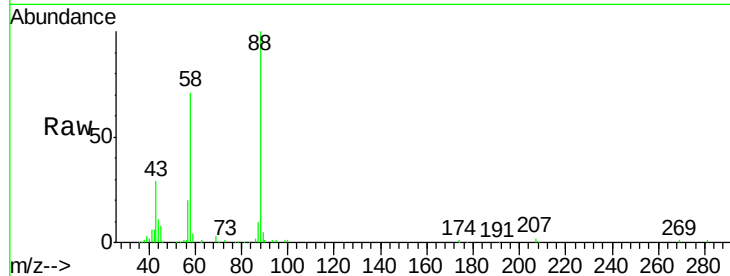
#49
1,4-Dioxane
Concen: 355.381 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	24.2	36.4
58	71.2	56.5	84.7

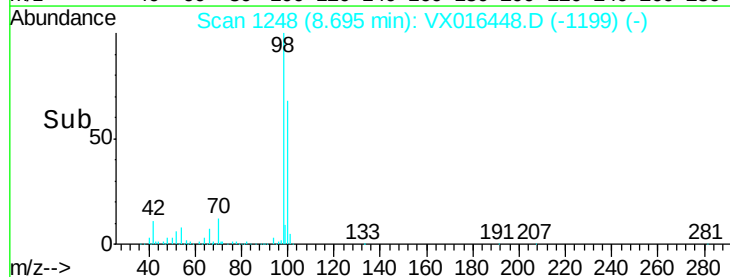
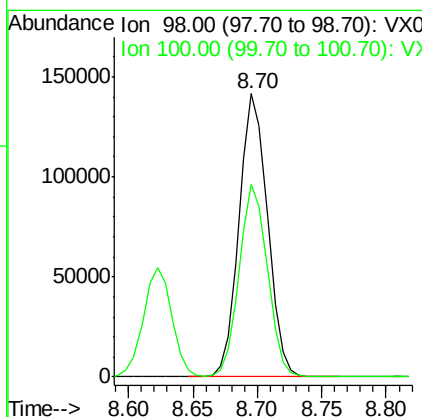
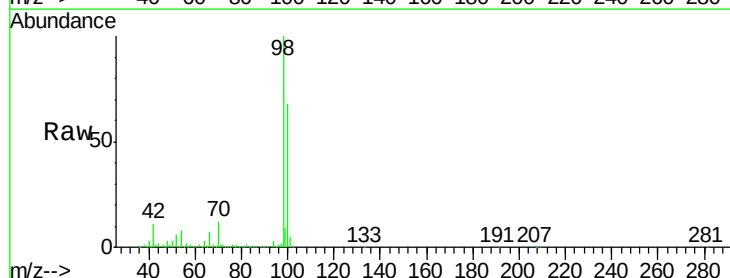
Manual Integrations
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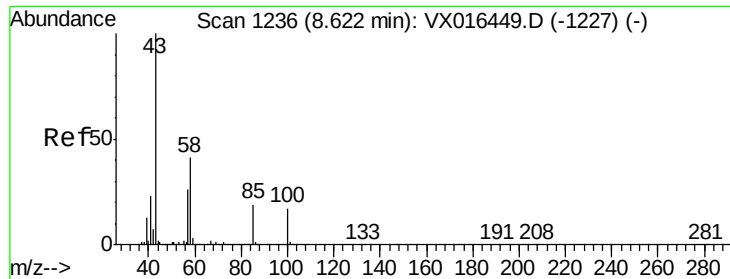
MMDadoda
5/28/2020 2:10:22 PM



#50
Toluene-d8
Concen: 18.786 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.8	80.6





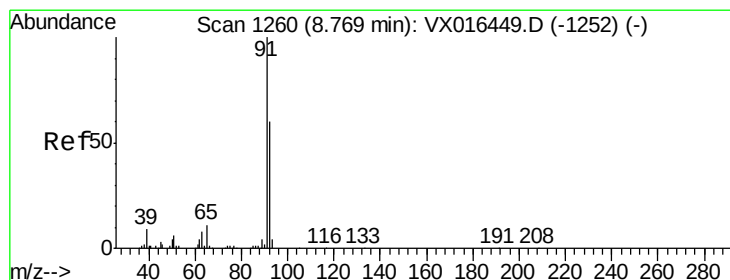
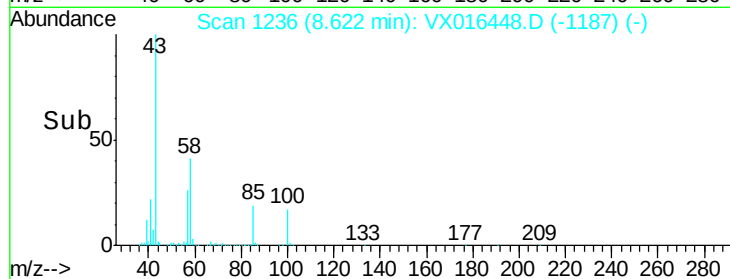
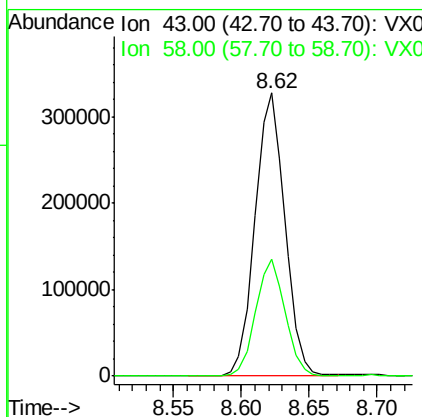
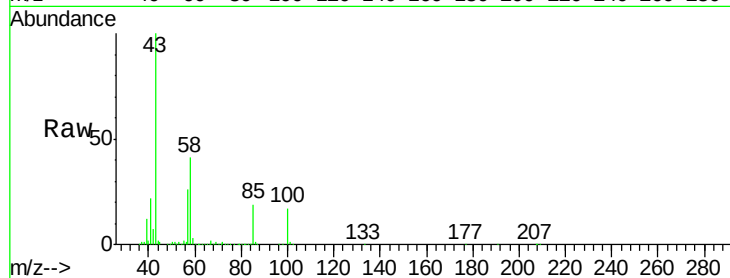
#51
 4-Methyl-2-Pentanone
 Concen: 96.487 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX016448.D
 Acq: 27 May 2020 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	33.0	49.6

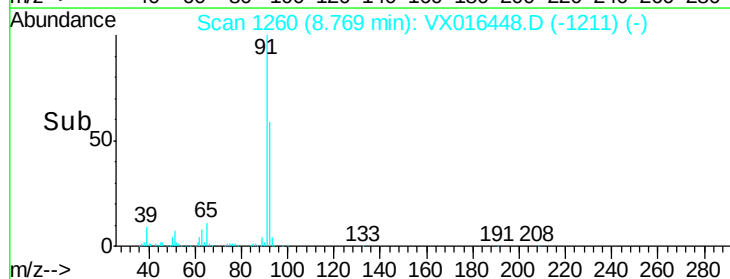
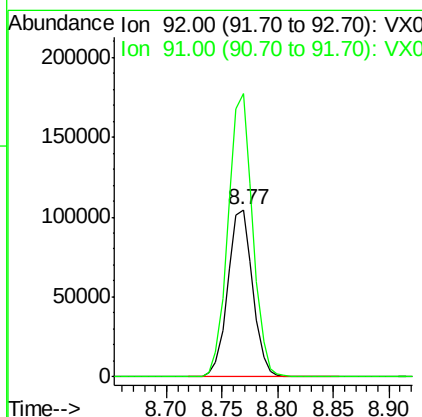
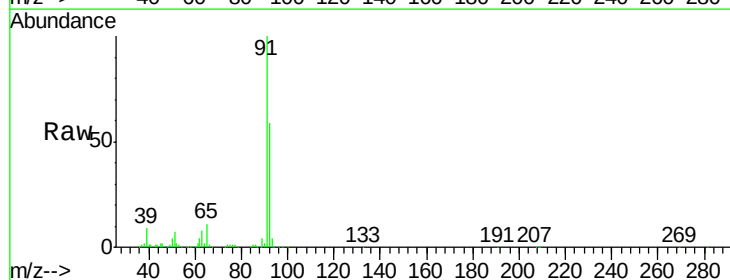
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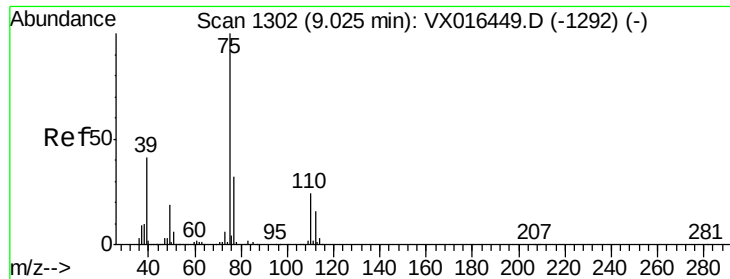
MMDadoda
 5/28/2020 2:10:22 PM



#52
 Toluene
 Concen: 19.101 ug/l
 RT: 8.77 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VX016448.D
 Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.2	135.0	202.4





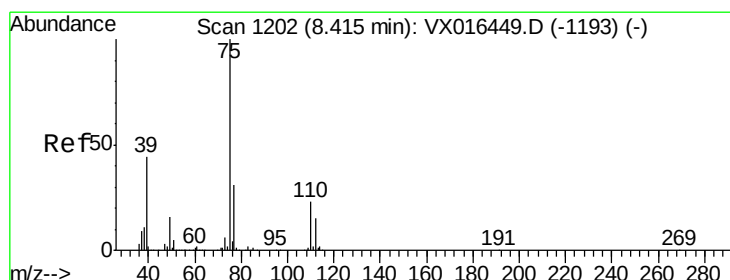
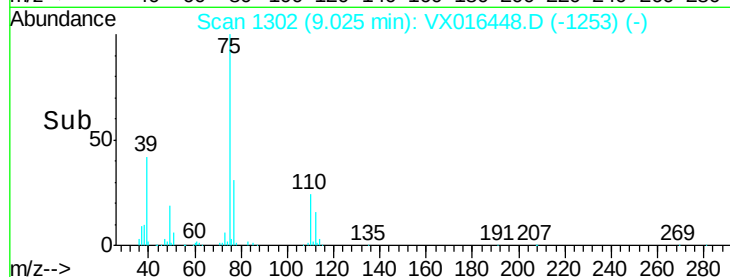
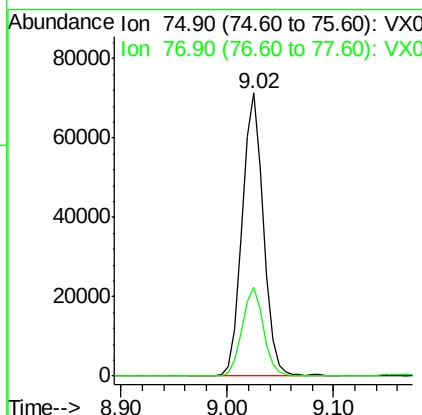
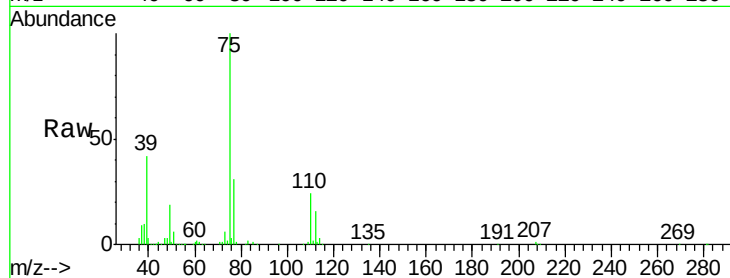
#53
t-1,3-Dichloropropene
Concen: 17.827 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3

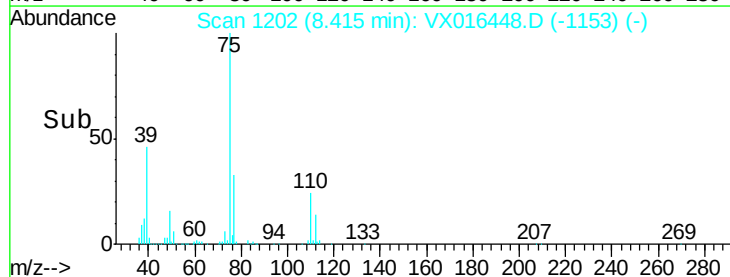
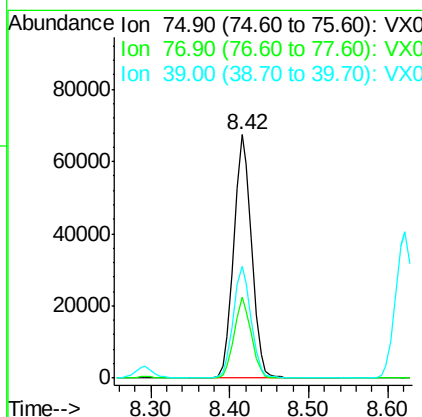
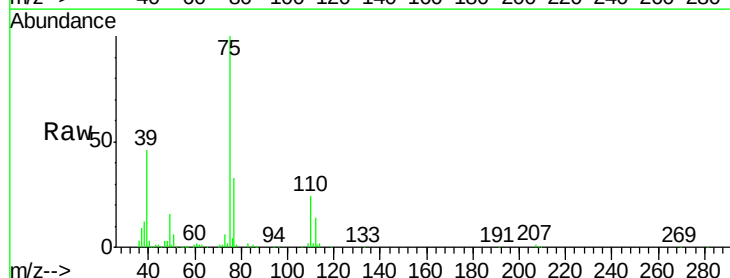
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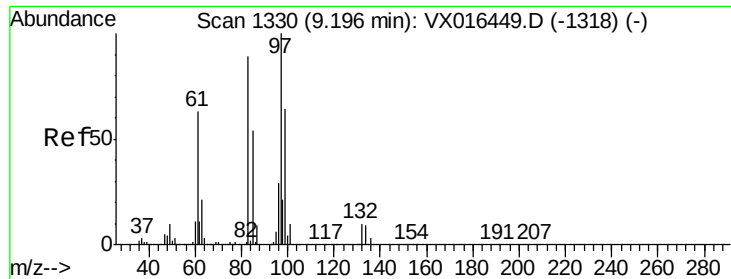
MMDadoda
5/28/2020 2:10:22 PM



#54
cis-1,3-Dichloropropene
Concen: 18.151 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.0	24.6	36.8
39	45.6	35.3	52.9





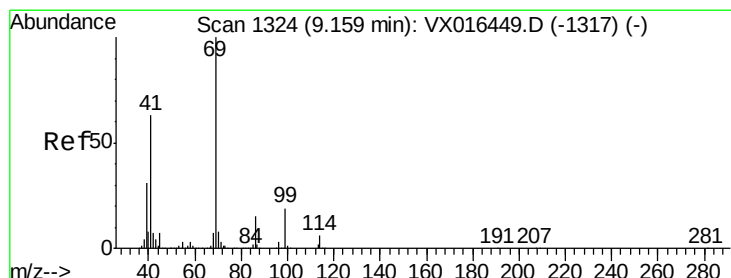
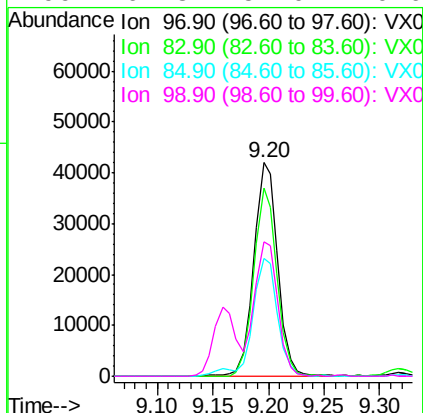
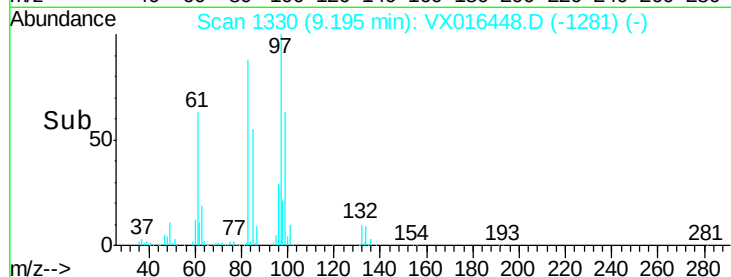
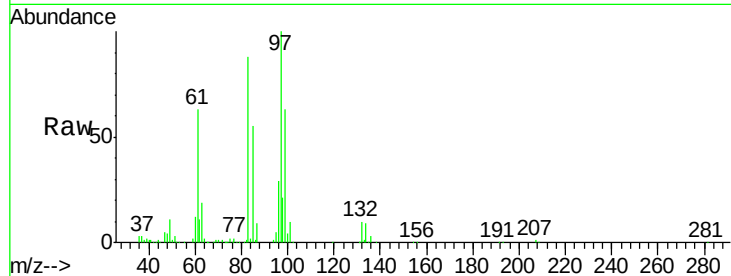
#55
 1,1,2-Trichloroethane
 Concen: 18.971 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016448.D
 Acq: 27 May 2020 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	62999
Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.9	106.3
85	54.9	43.4	65.2
99	62.8	51.0	76.6

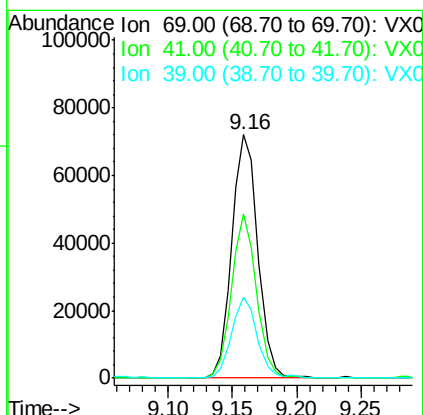
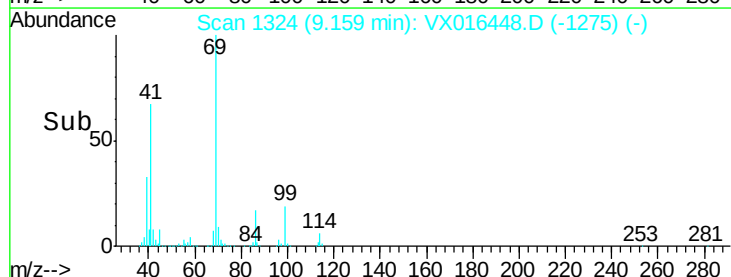
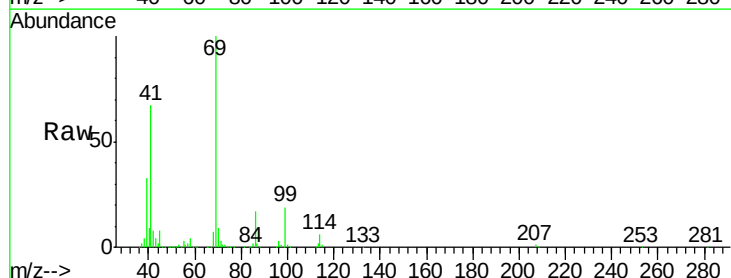
Manual Integrations
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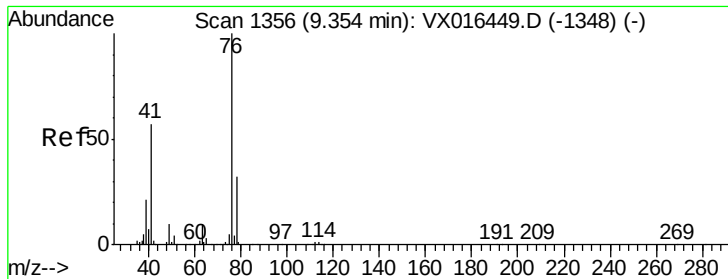
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#56
 Ethyl methacrylate
 Concen: 18.690 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016448.D
 Acq: 27 May 2020 15:05

Tgt Ion:	69	Resp:	101583
Ion	Ratio	Lower	Upper
69	100		
41	64.4	50.7	76.1
39	32.4	25.8	38.6





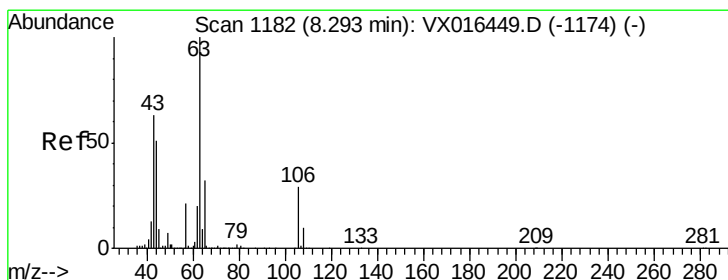
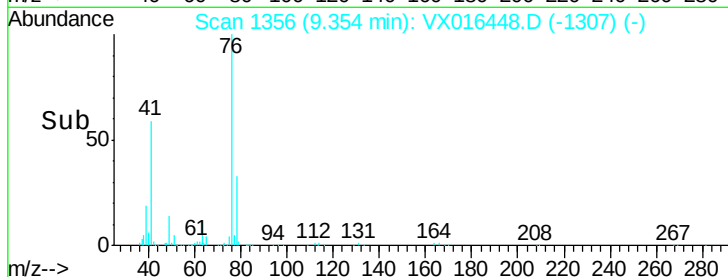
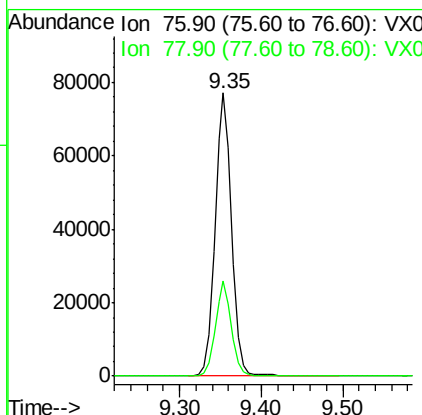
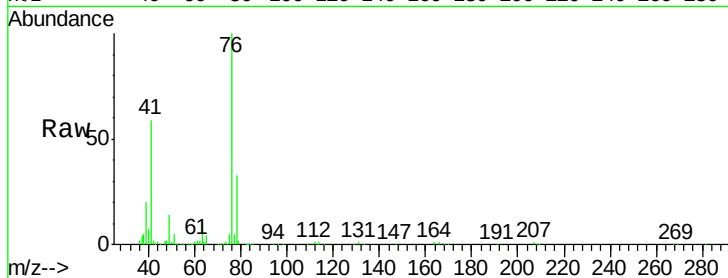
#57
 1,3-Dichloropropane
 Concen: 18.995 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VX016448.D
 Acq: 27 May 2020 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4

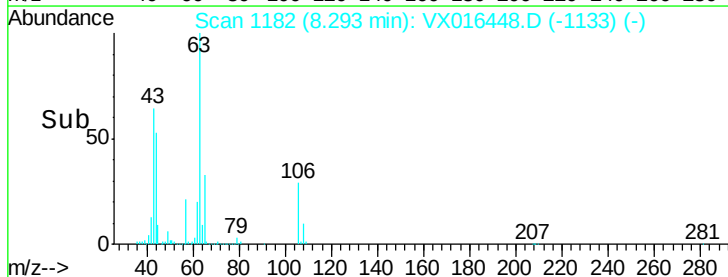
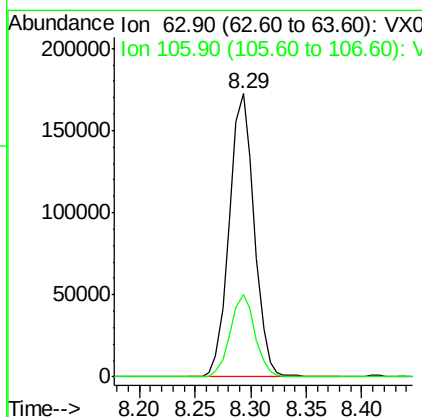
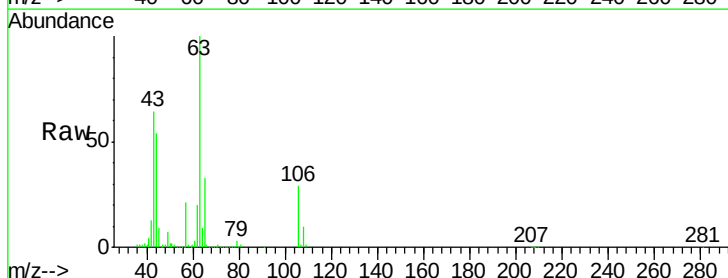
Manual Integrations
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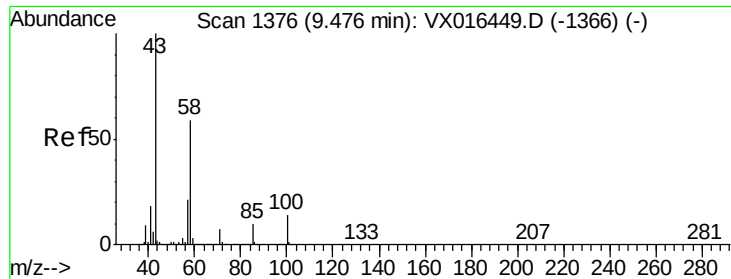
MMDadoda
 5/28/2020 2:10:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.196 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VX016448.D
 Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.2	34.8





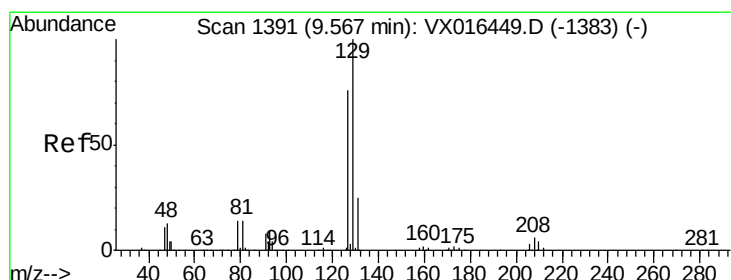
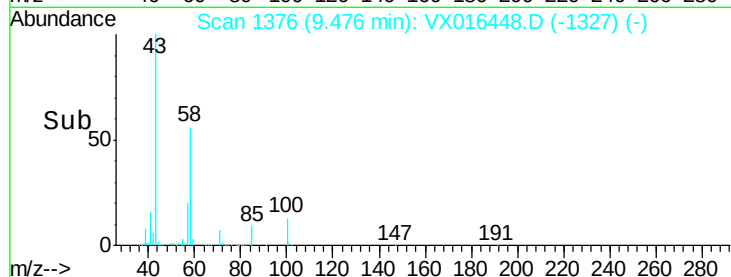
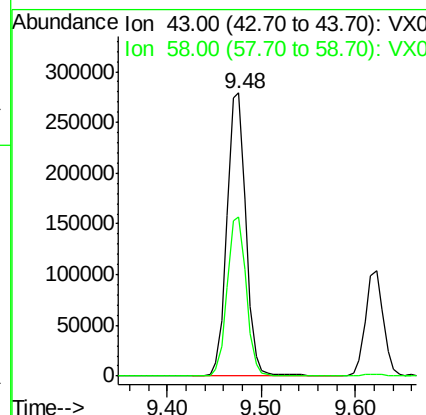
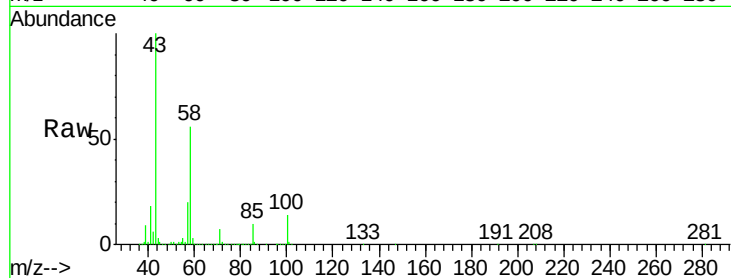
#59
2-Hexanone
Concen: 94.289 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	388833
Ion Ratio	Lower	Upper	
43	100		
58	56.8	28.8	86.4

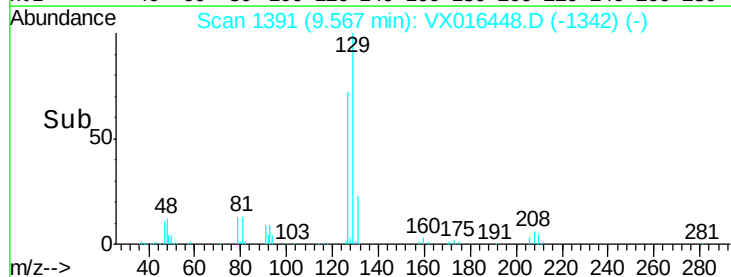
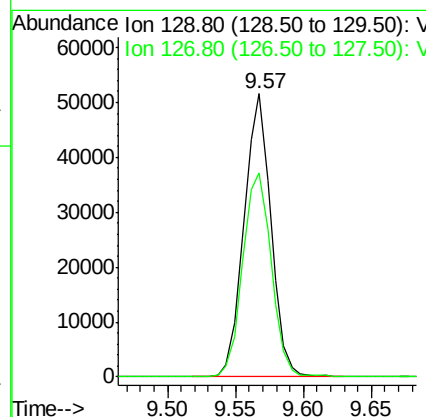
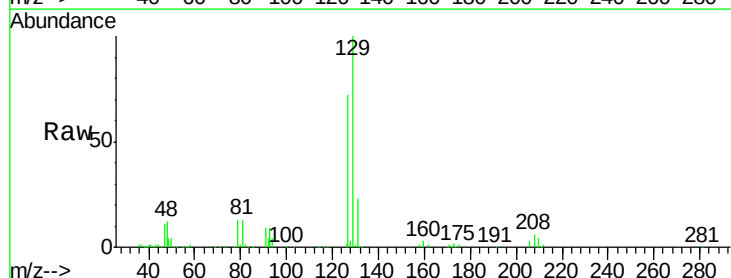
Manual Integrations
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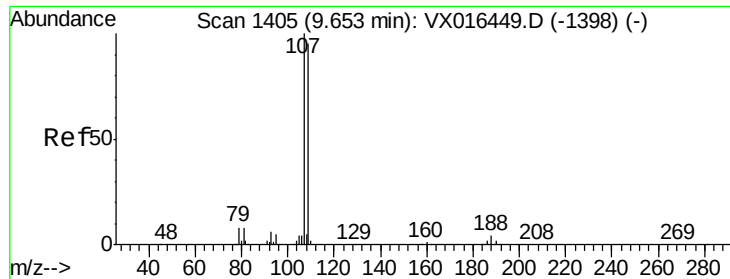
MMDadoda
5/28/2020 2:10:22 PM



#60
Dibromochloromethane
Concen: 19.413 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion	129	Resp	71288
Ion Ratio	Lower	Upper	
129	100		
127	76.7	38.6	116.0





#61

1,2-Dibromoethane

Concen: 18.803 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 67441

Ion Ratio Lower Upper

107 100

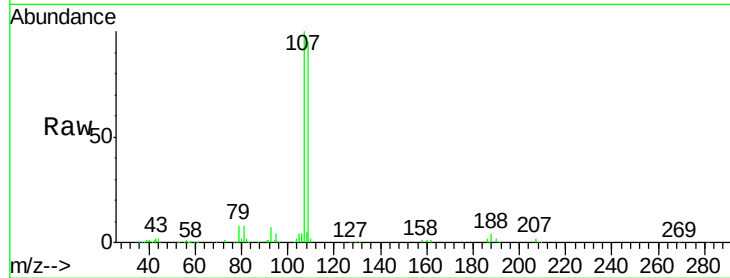
109 94.1 75.5 113.3

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

50000

40000

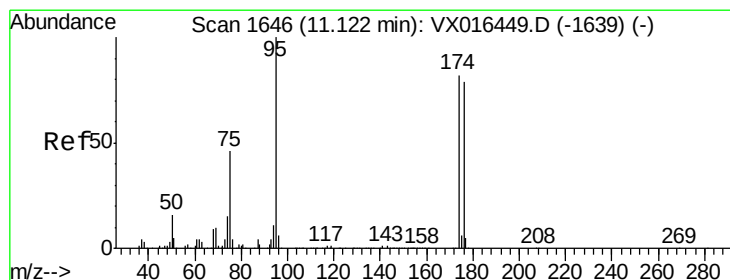
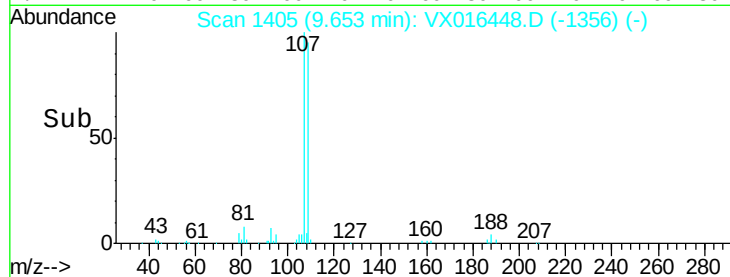
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 18.107 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

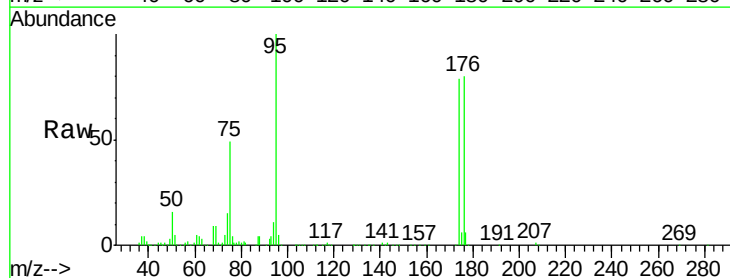
Tgt Ion: 95 Resp: 79165

Ion Ratio Lower Upper

95 100

174 81.2 0.0 163.0

176 79.5 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

80000

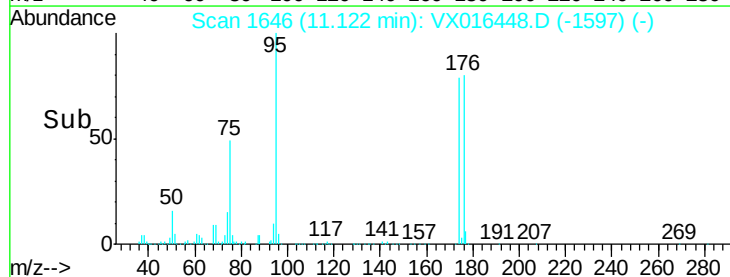
60000

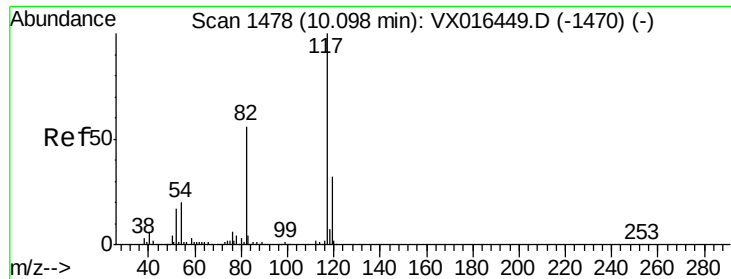
40000

20000

0

Time-->





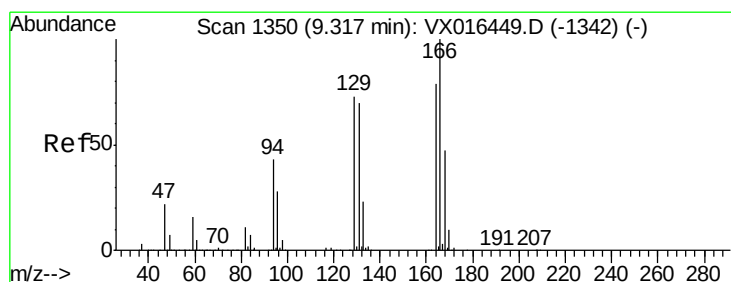
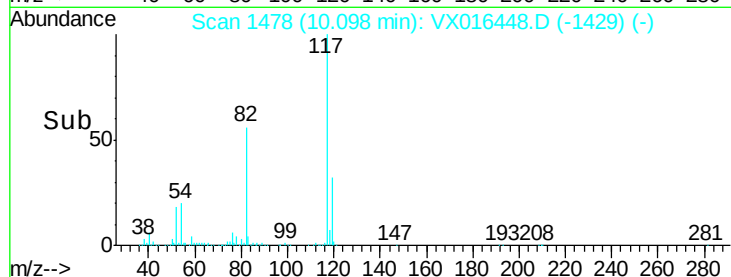
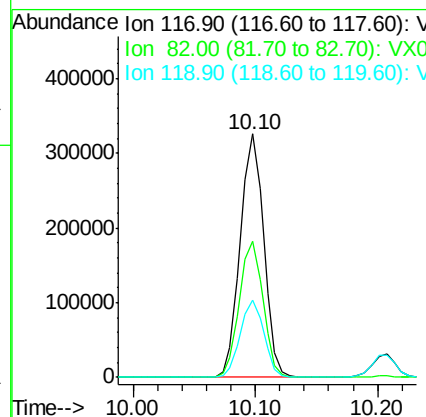
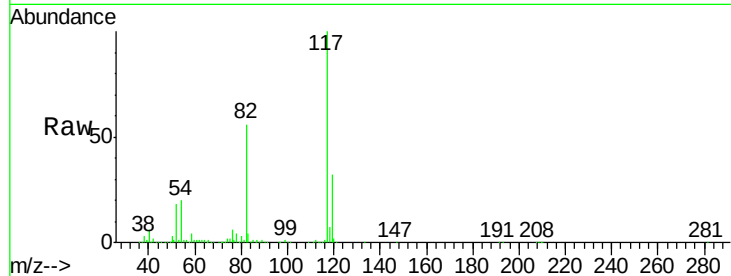
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.0	67.6
119	31.9	25.8	38.8

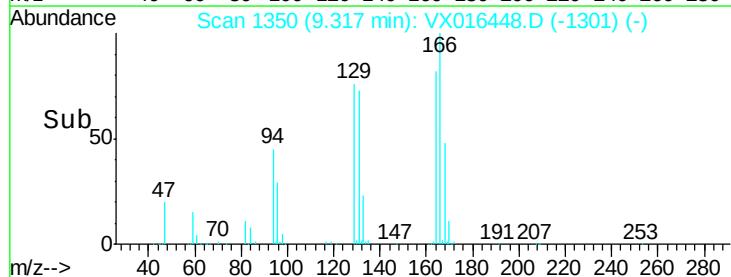
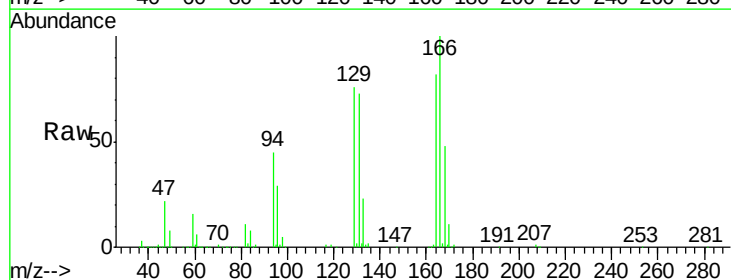
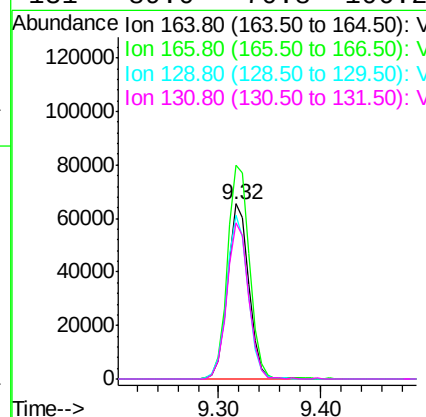
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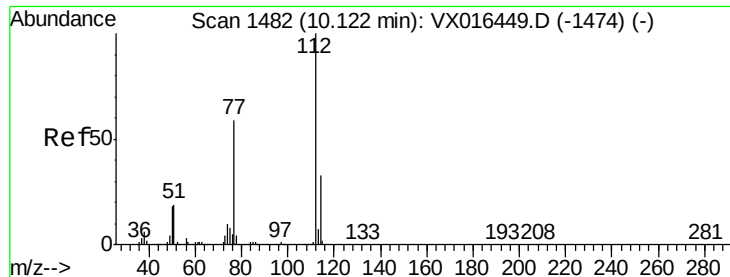
MMDadoda
5/28/2020 2:10:22 PM



#64
Tetrachloroethene
Concen: 18.026 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.9	100.9	151.3
129	93.2	73.2	109.8
131	89.0	70.8	106.2





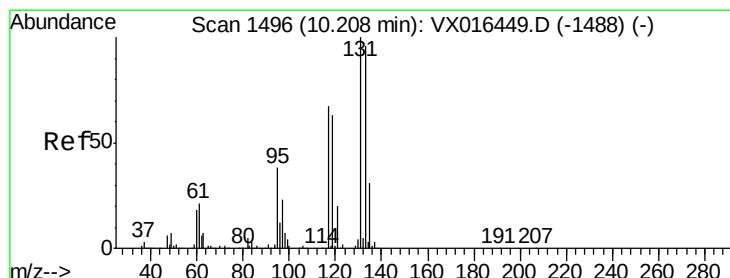
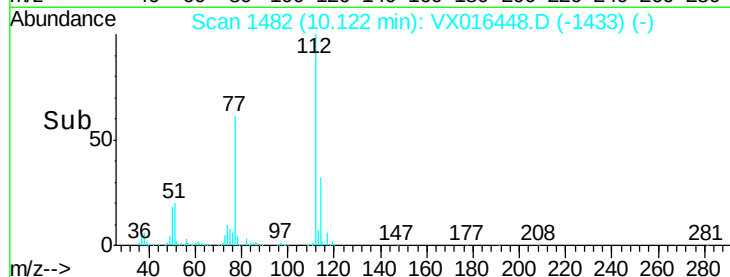
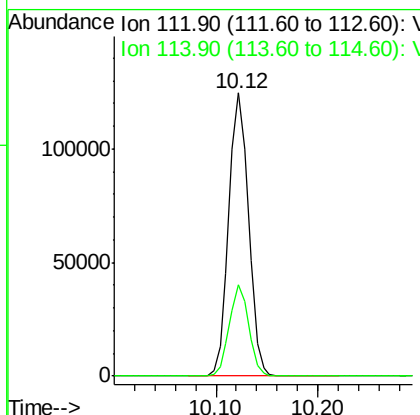
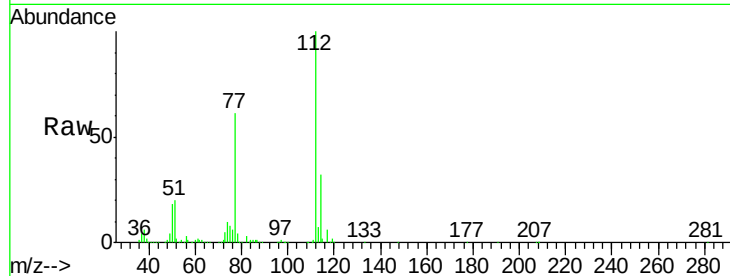
#65
Chlorobenzene
Concen: 18.433 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion:112 Resp: 167507
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0

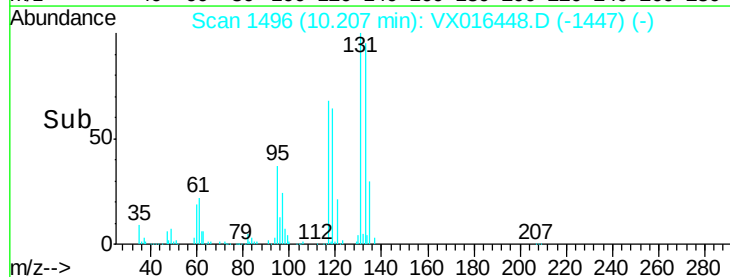
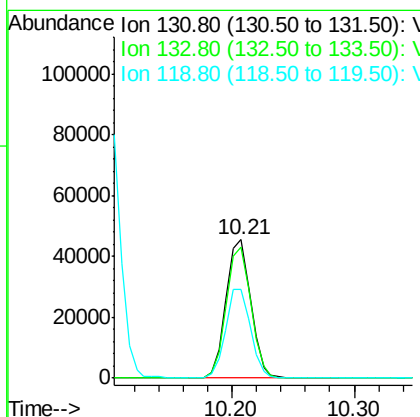
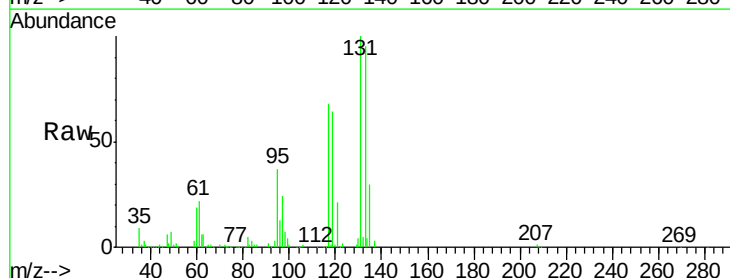
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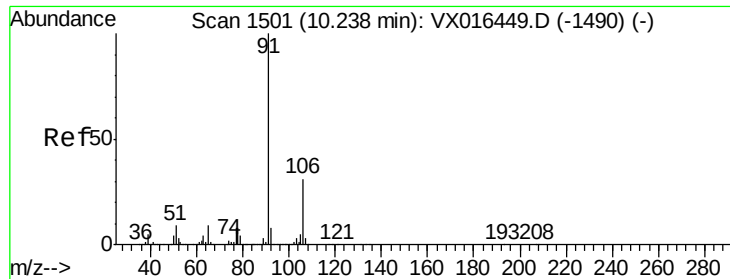
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.055 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion:131 Resp: 64114
Ion Ratio Lower Upper
131 100
133 94.9 48.4 145.3
119 64.6 32.0 96.2





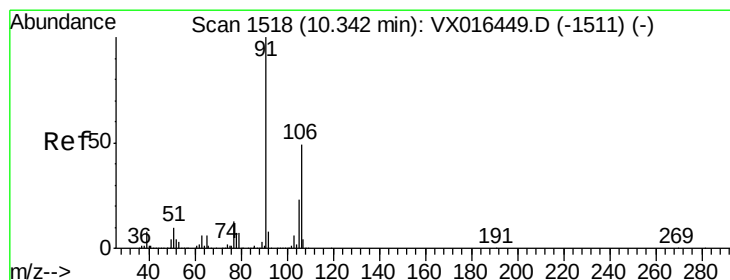
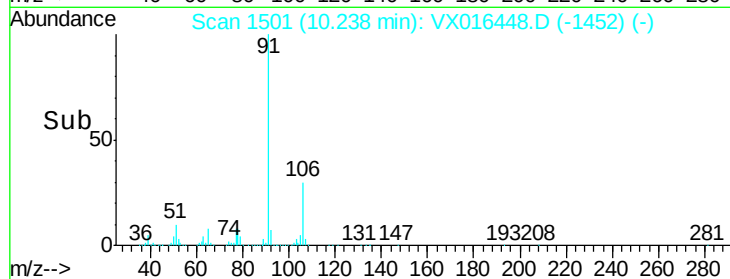
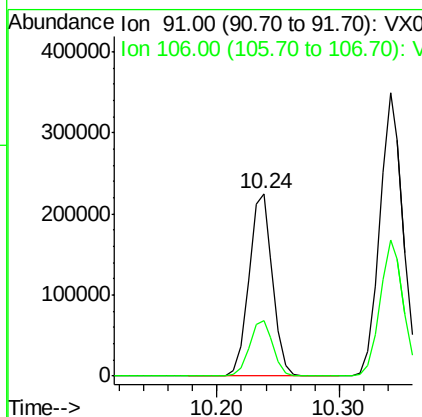
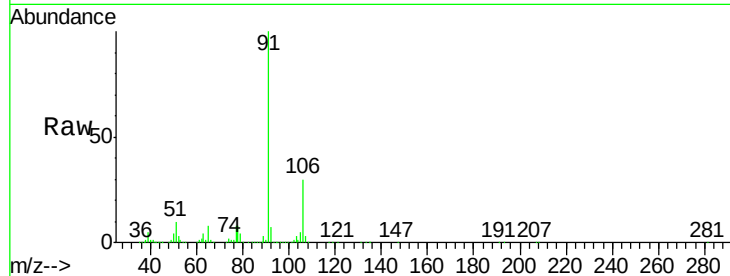
#67
Ethyl Benzene
Concen: 18.494 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 299707
Ion Ratio Lower Upper
91 100
106 30.1 25.0 37.4

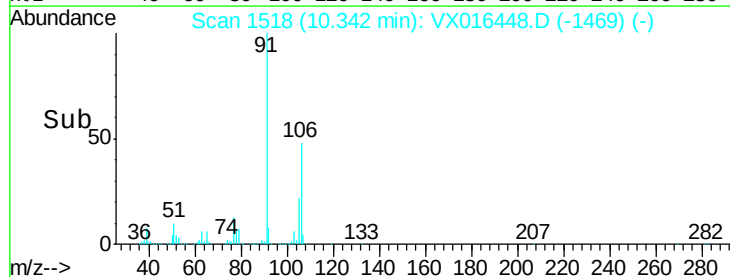
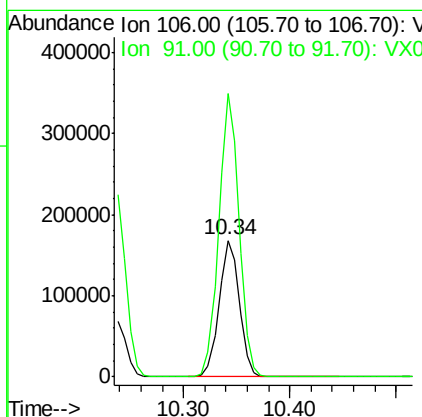
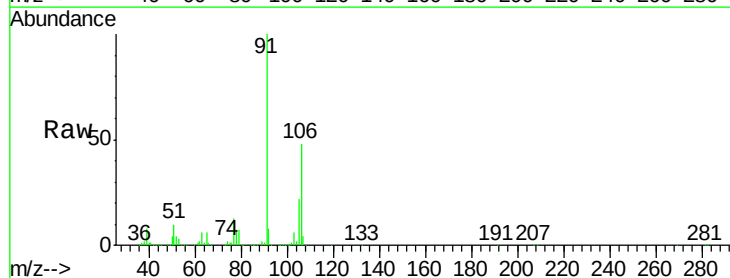
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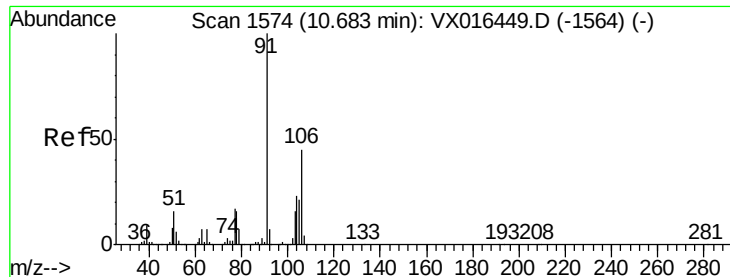
MMDadoda
5/28/2020 2:10:22 PM



#68
m/p-Xylenes
Concen: 36.836 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion: 106 Resp: 223145
Ion Ratio Lower Upper
106 100
91 206.1 163.8 245.8





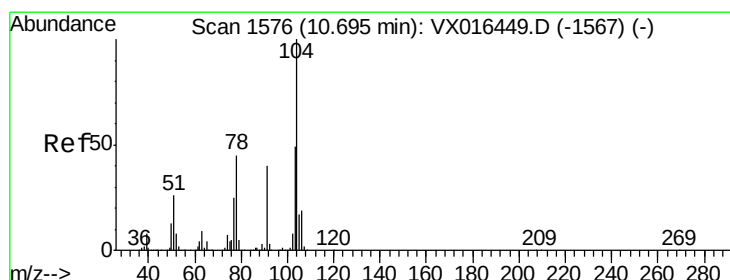
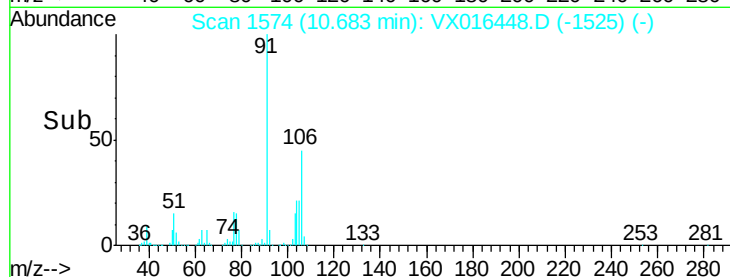
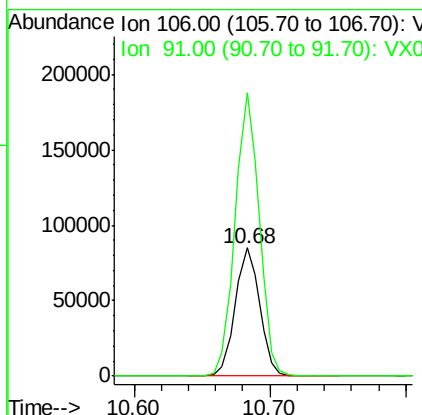
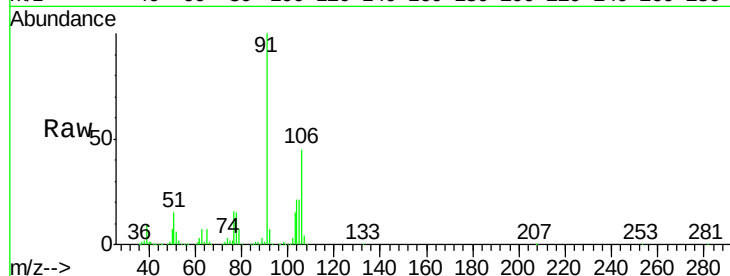
#69
o-Xylene
Concen: 18.249 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
106	100	106176		
91	218.7		109.6	328.8

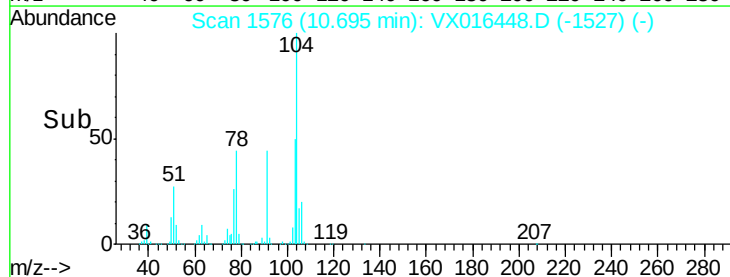
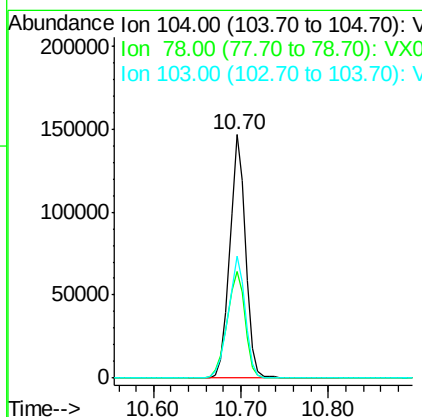
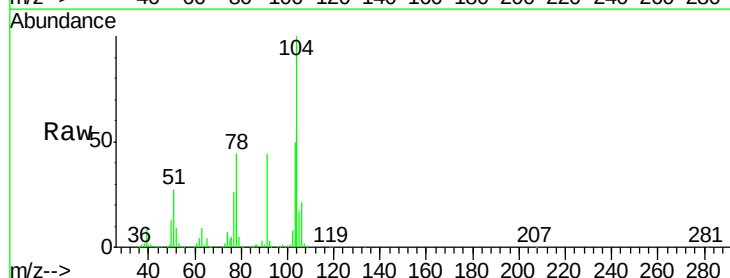
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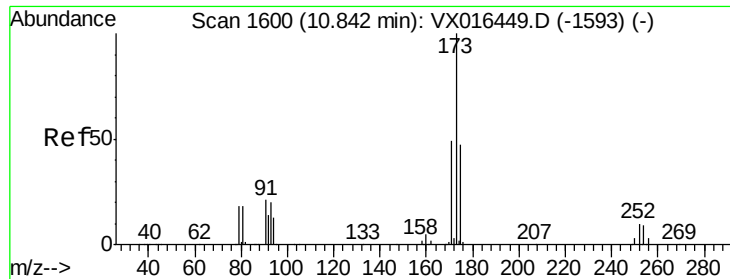
MMDadoda
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#70
Styrene
Concen: 18.543 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	183909		
78	50.0		40.2	60.2
103	54.3		43.1	64.7





#71

Bromoform

Concen: 18.667 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

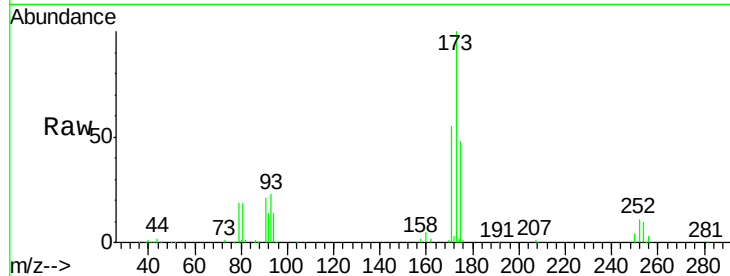
ClientSampleId :

VSTDIC020

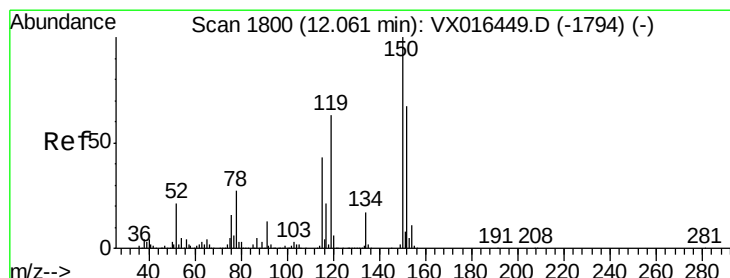
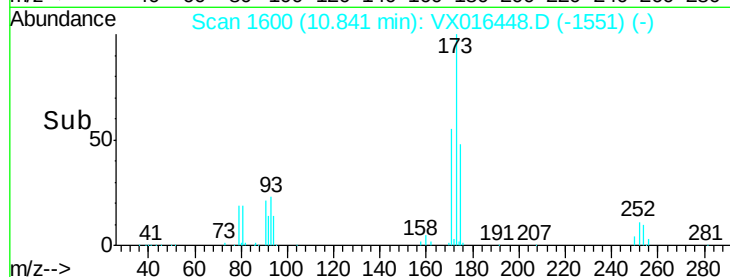
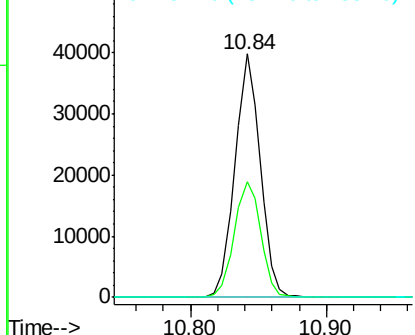
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	23.9	71.7
254	0.1	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

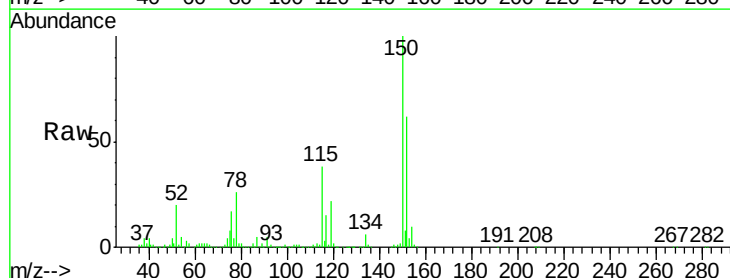
RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

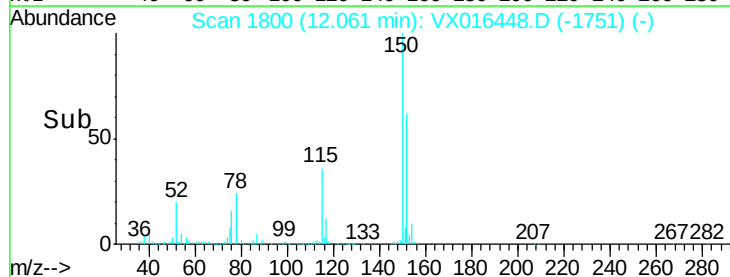
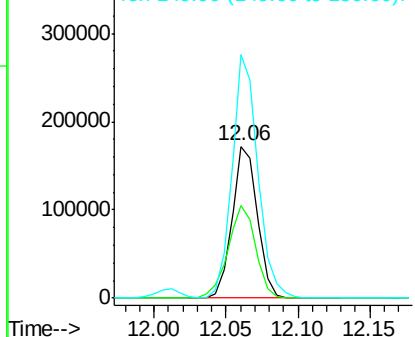
Lab File: VX016448.D

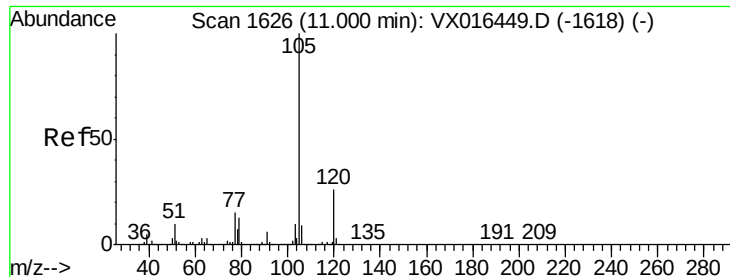
Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.0	39.9	119.6
150	164.2	0.0	341.0



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





#73

Isopropylbenzene

Concen: 18.541 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 282918

Ion Ratio Lower Upper

105 100

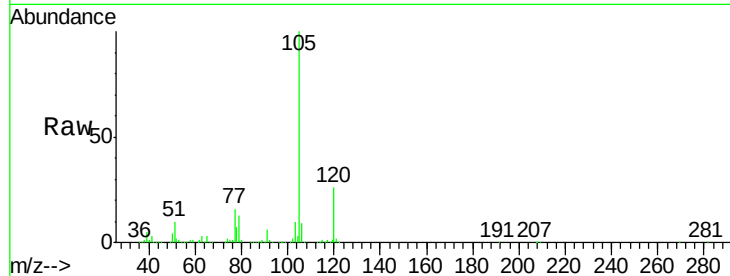
120 26.2 13.1 39.3

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

250000

200000

150000

100000

50000

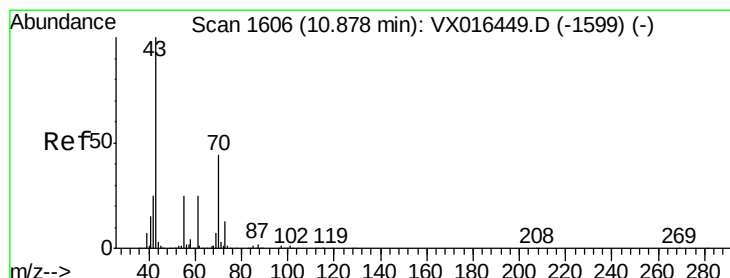
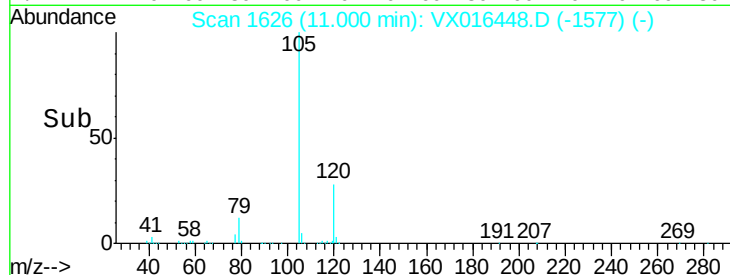
0

11.00

10.90

11.10

Time-->



#74

N-ethyl acetate

Concen: 18.216 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Tgt Ion: 43 Resp: 129656

Ion Ratio Lower Upper

43 100

70 44.8 36.1 54.1

55 24.9 20.2 30.4

61 25.6 20.3 30.5

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

150000

100000

50000

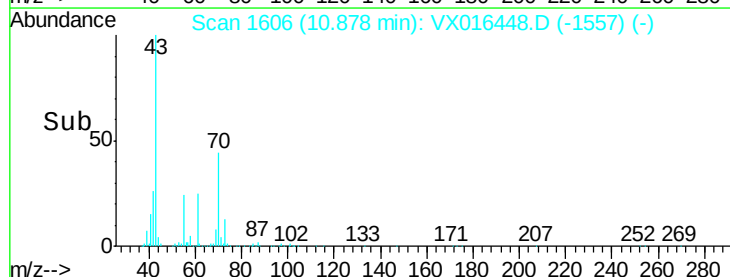
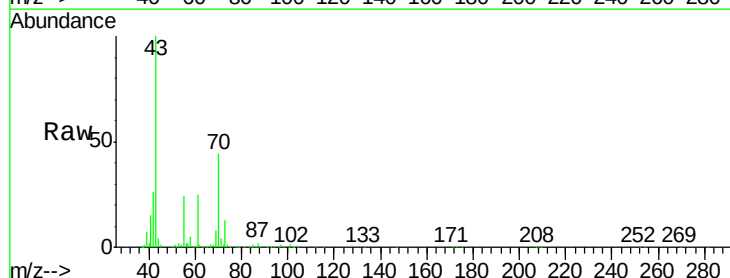
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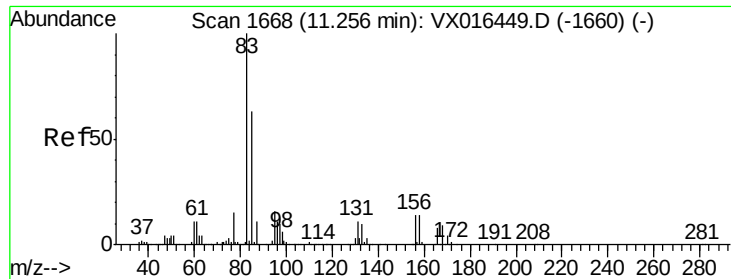
10.88

10.80

10.95

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.348 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

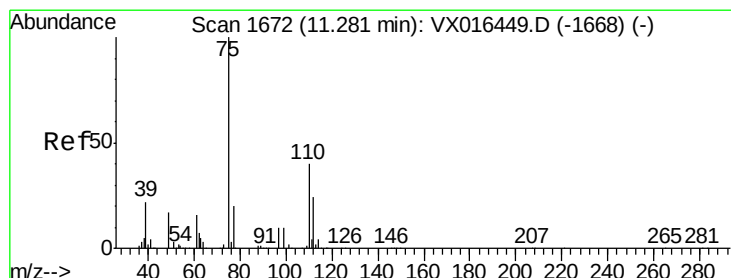
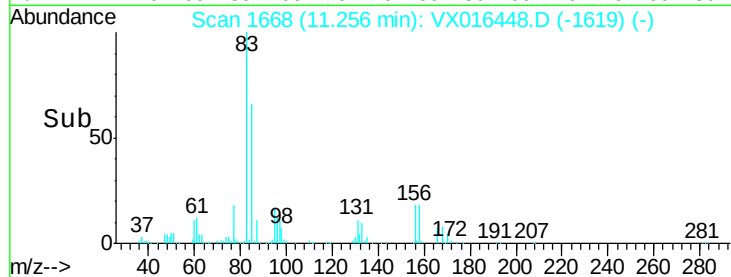
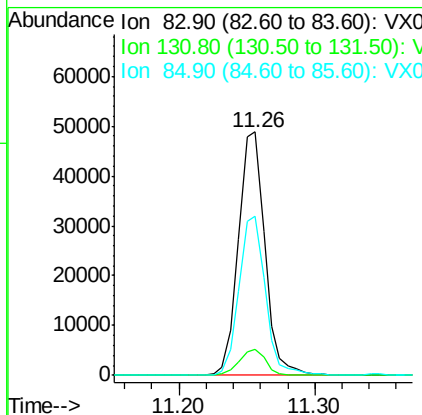
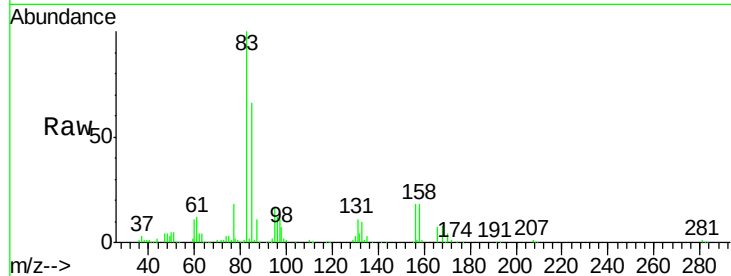
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	66429
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.3
85	65.3	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 18.758 ug/l m

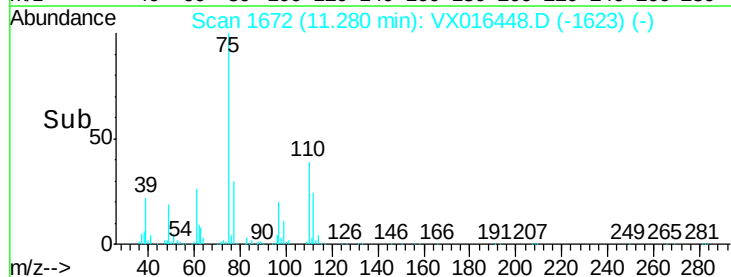
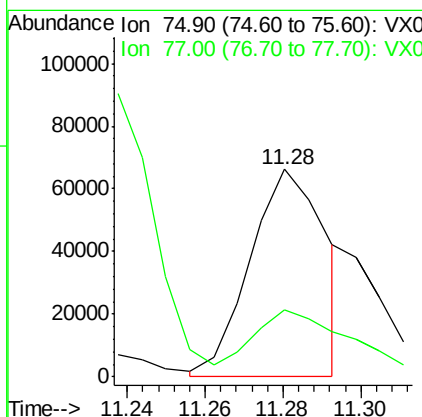
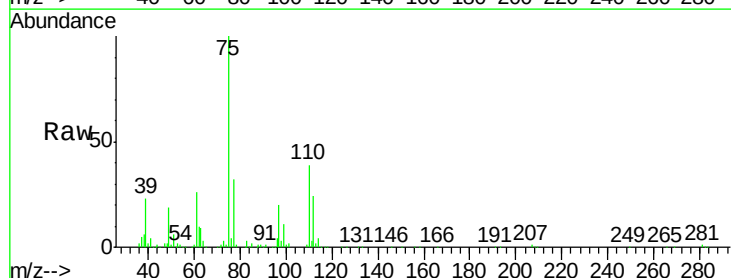
RT: 11.28 min Scan# 1672

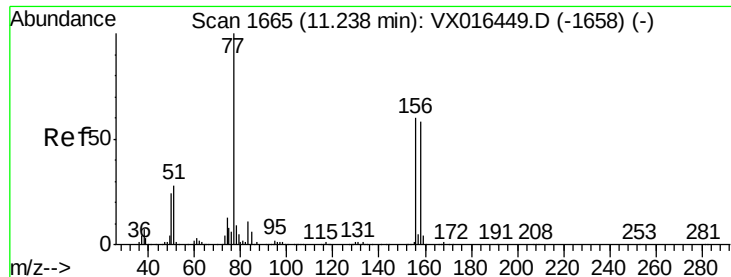
Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Tgt Ion:	75	Resp:	89452
Ion Ratio	Lower	Upper	
75	100		
77	42.5	21.3	63.7





#77

Bromobenzene

Concen: 18.352 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

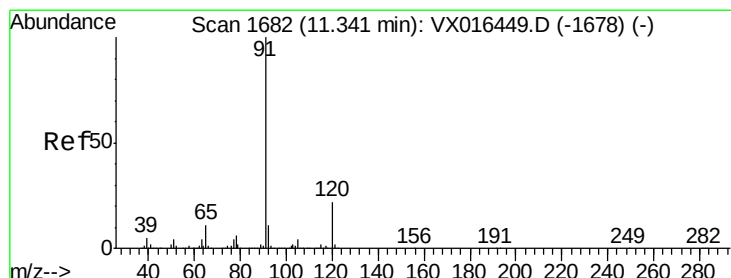
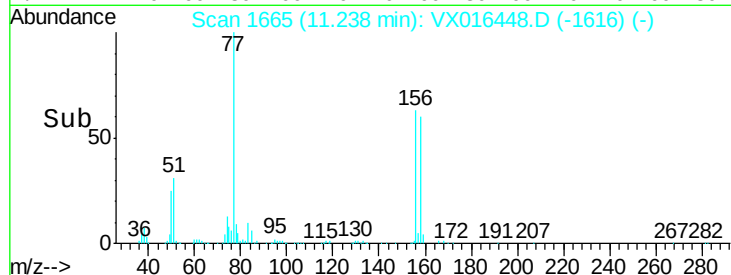
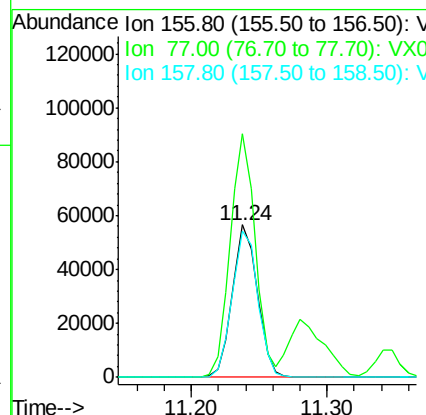
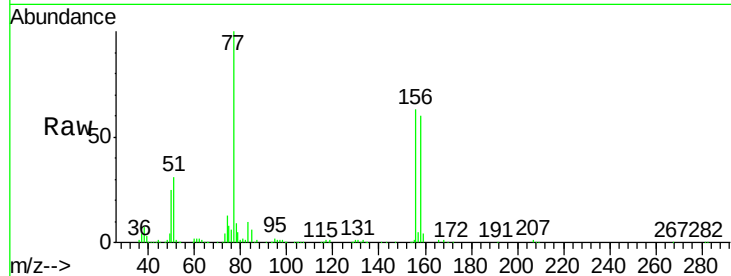
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	72565
Ion Ratio	Lower	Upper	
156	100		
77	158.9	79.6	238.8
158	98.1	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 17.906 ug/l

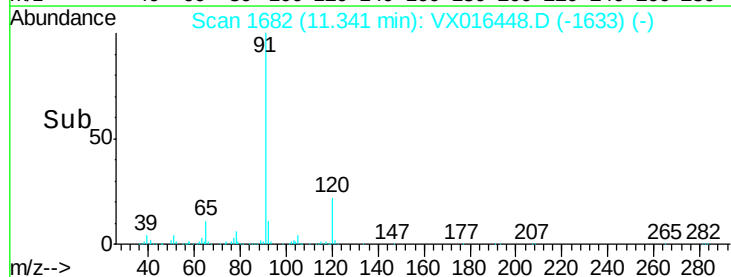
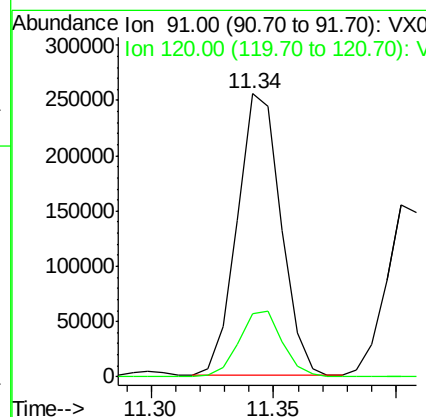
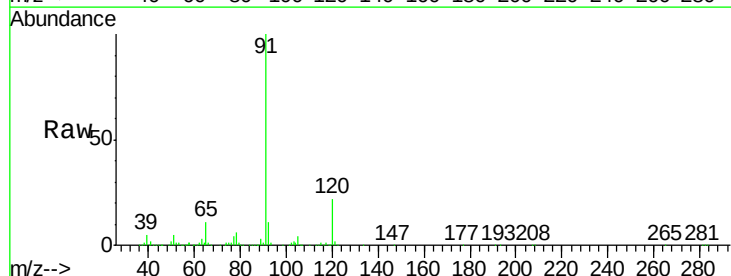
RT: 11.34 min Scan# 1682

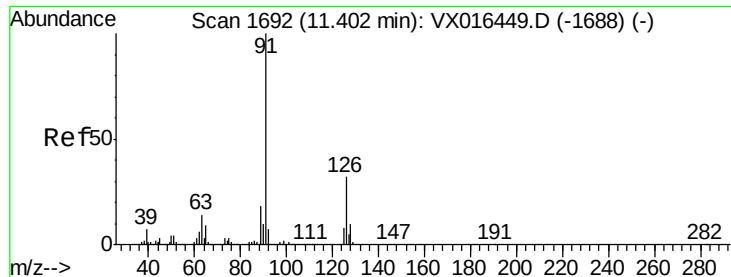
Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Tgt Ion:	91	Resp:	317081
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.6	34.7





#79

2-Chlorotoluene

Concen: 18.399 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 193317

Ion Ratio Lower Upper

91 100

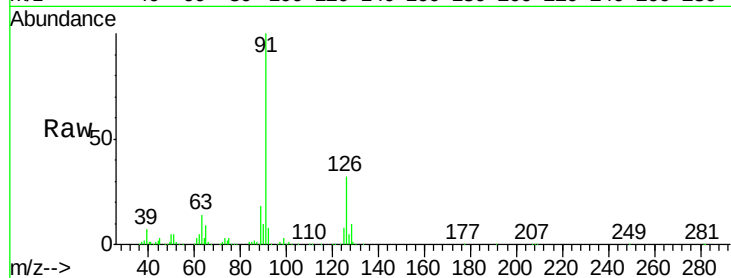
126 33.3 16.8 50.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX016449.D (-1688) (-)

Ion 125.90 (125.60 to 126.60): VX016449.D (-1688) (-)

300000

250000

200000

150000

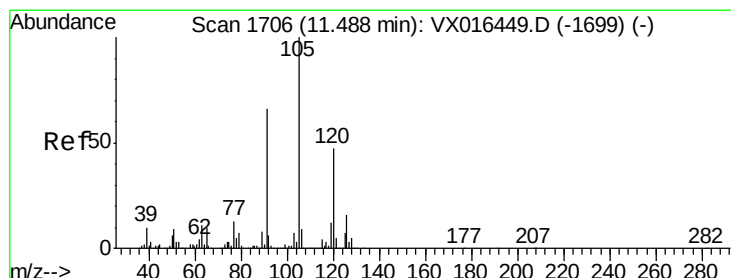
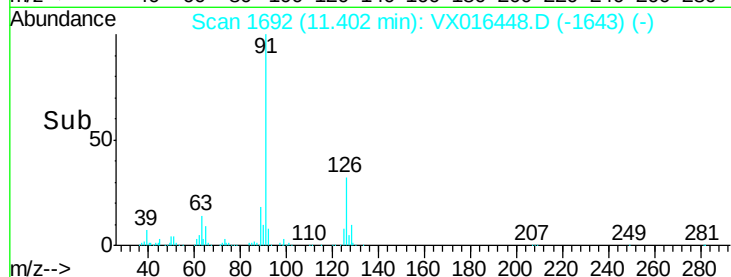
100000

50000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.382 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX016448.D

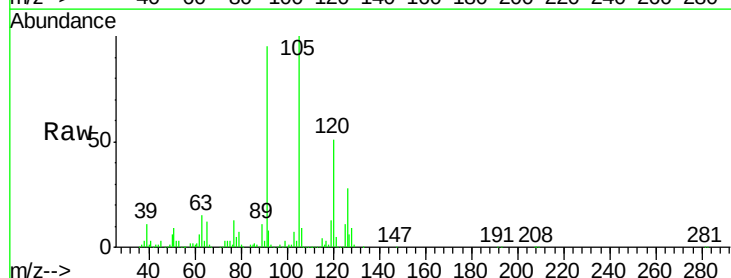
Acq: 27 May 2020 15:05

Tgt Ion: 105 Resp: 237134

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX016449.D (-1699) (-)

Ion 120.00 (119.70 to 120.70): VX016449.D (-1699) (-)

200000

150000

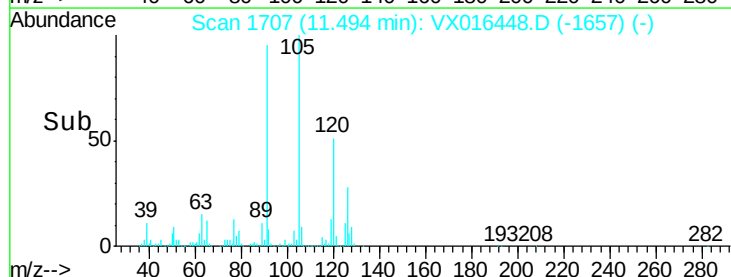
100000

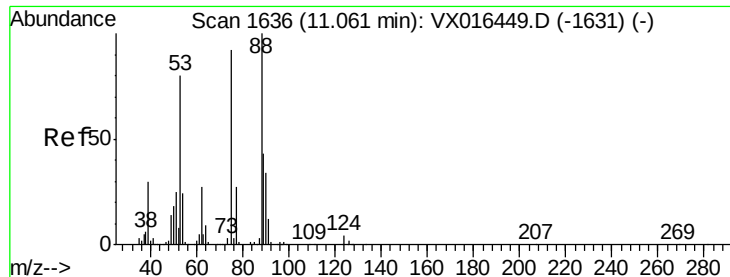
50000

0

11.40 11.45 11.50 11.55

Time-->





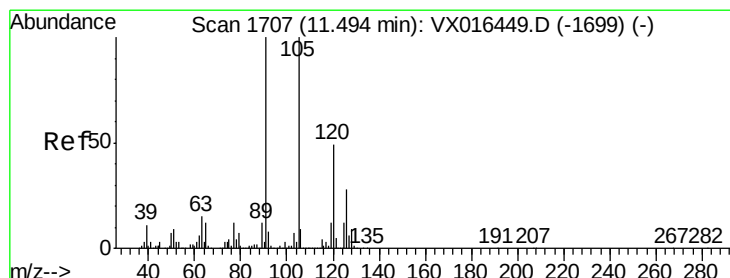
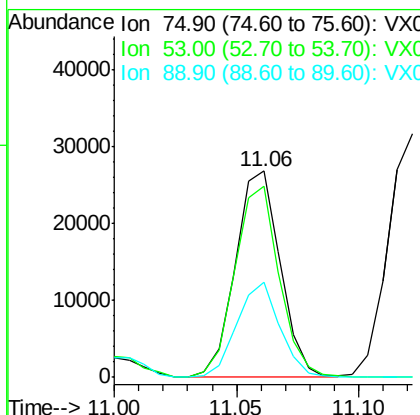
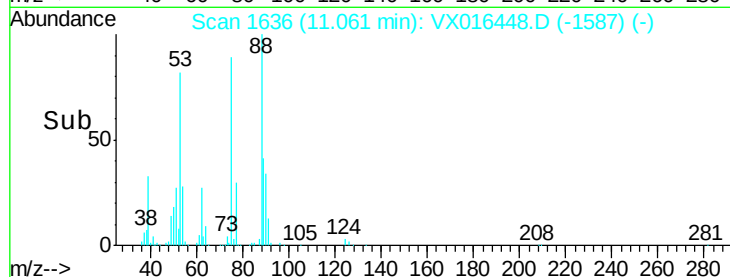
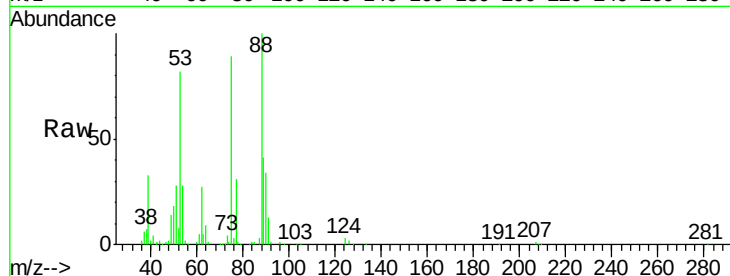
#81
trans-1,4-Dichloro-2-butene
Concen: 17.062 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.1	71.3	106.9
89	45.0	36.6	55.0

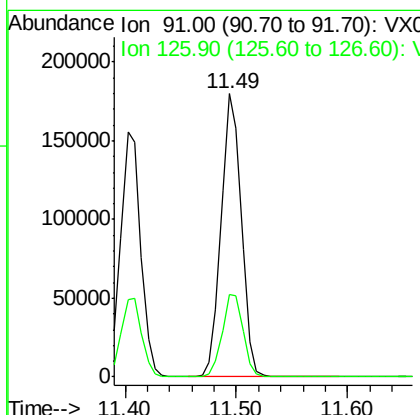
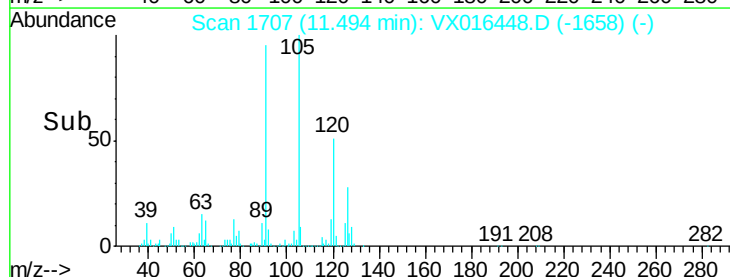
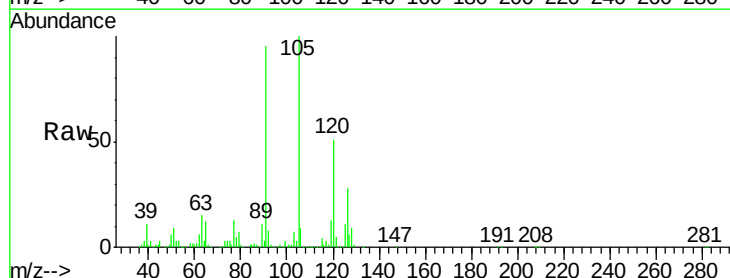
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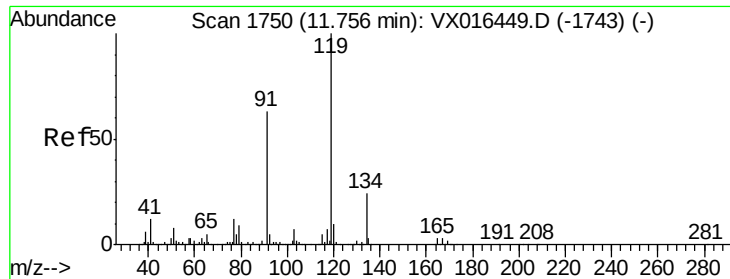
MMDadoda
5/28/2020 2:10:22 PM



#82
4-Chlorotoluene
Concen: 18.268 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.8	14.7	44.1





#83

tert-Butylbenzene

Concen: 17.704 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Instrument :

MSVOA_X

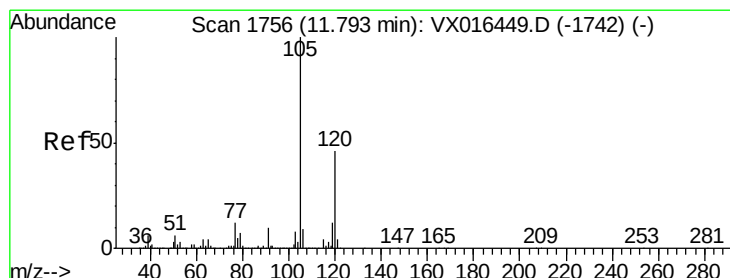
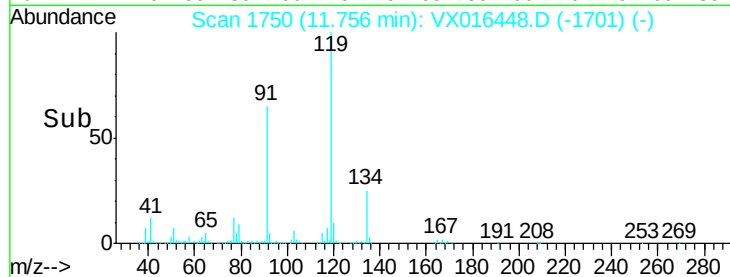
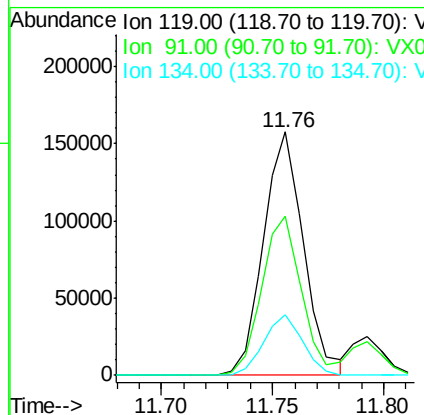
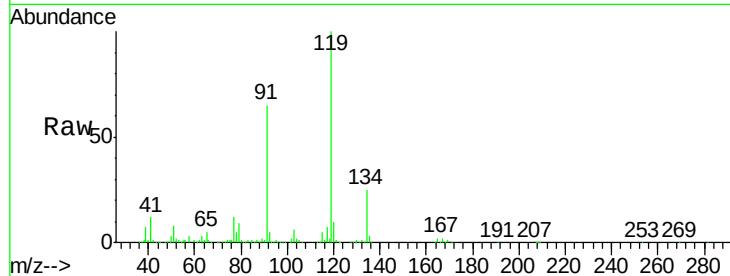
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	196999		
91	64.2	31.3	93.8	
134	24.3	12.0	36.0	

Manual Integrations
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5/28/2020 2:10:22 PM



#84

1,2,4-Trimethylbenzene

Concen: 18.369 ug/l

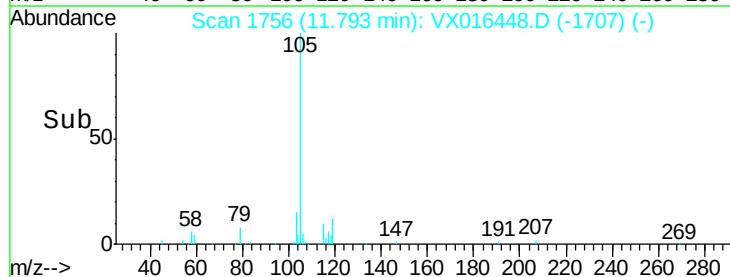
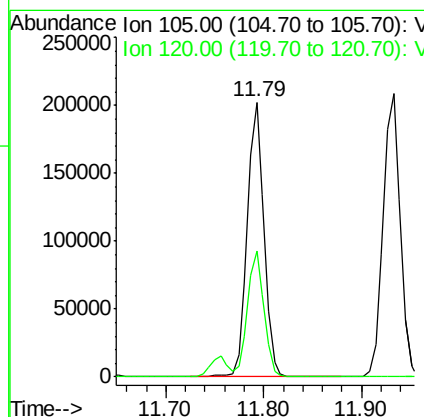
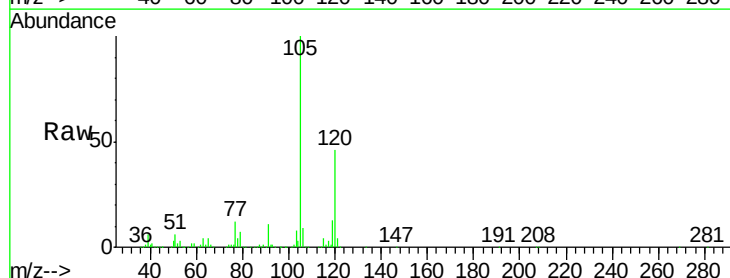
RT: 11.79 min Scan# 1756

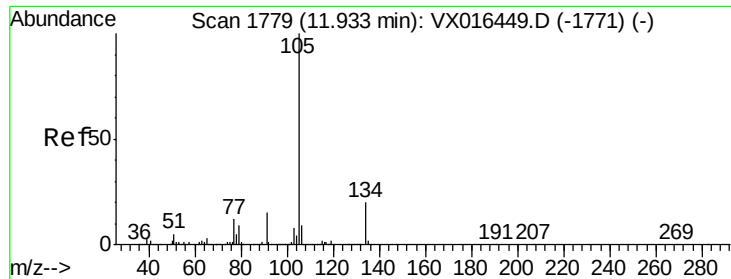
Delta R.T. -0.00 min

Lab File: VX016448.D

Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	239580		
120	45.2	22.6	67.7	





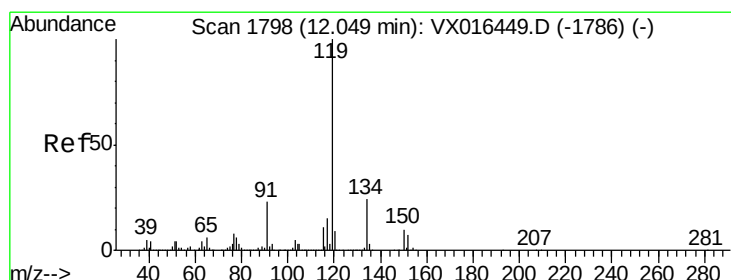
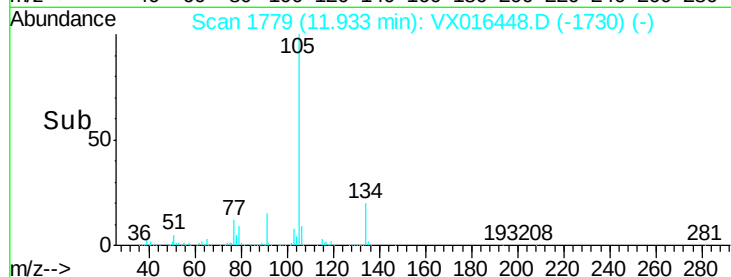
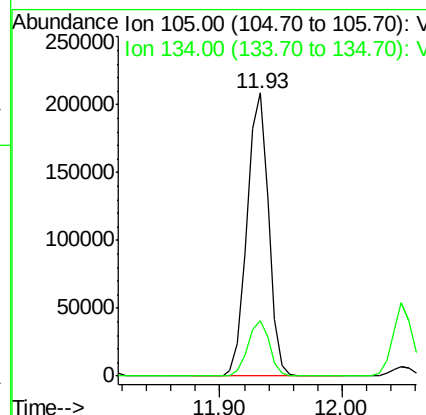
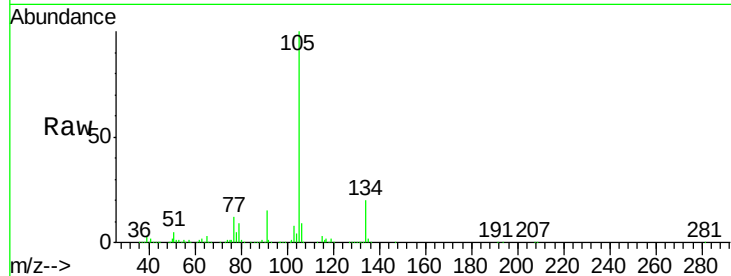
#85
 sec-Butylbenzene
 Concen: 17.085 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016448.D
 Acq: 27 May 2020 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	252979		
134	19.8	10.1	30.3	

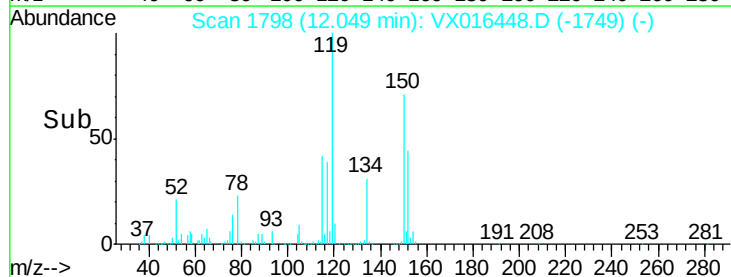
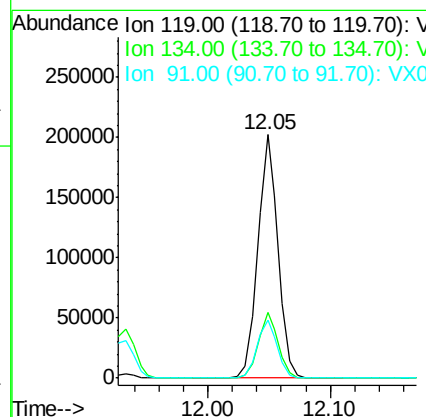
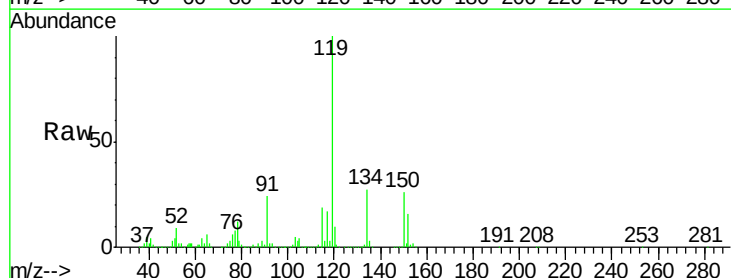
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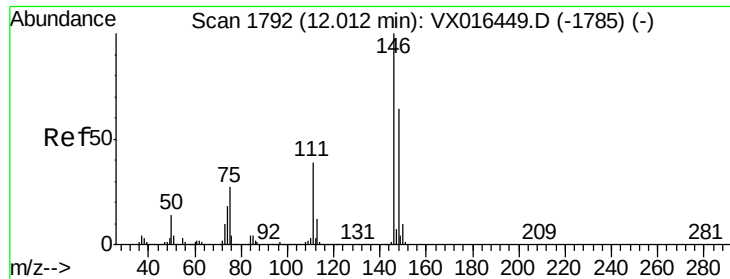
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 16.842 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016448.D
 Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	231967		
134	26.5	12.7	38.0	
91	24.0	11.7	35.0	





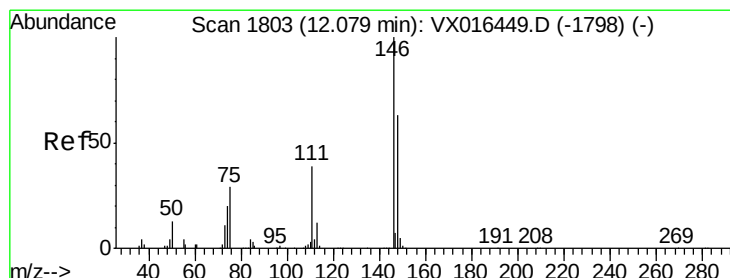
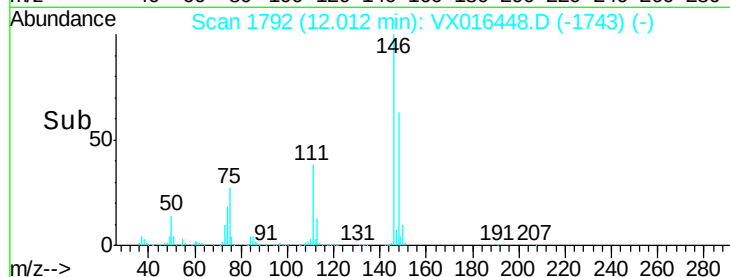
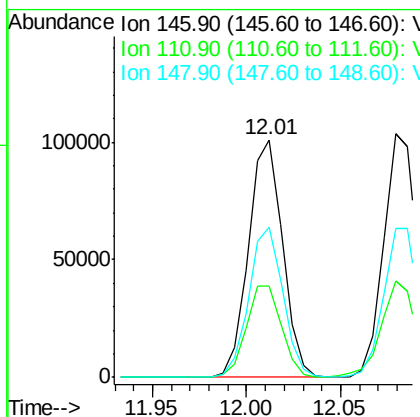
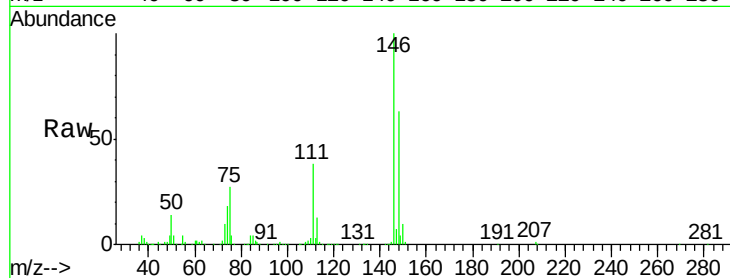
#87
 1,3-Dichlorobenzene
 Concen: 17.932 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016448.D
 Acq: 27 May 2020 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	60.0
148	63.0	31.9	95.5

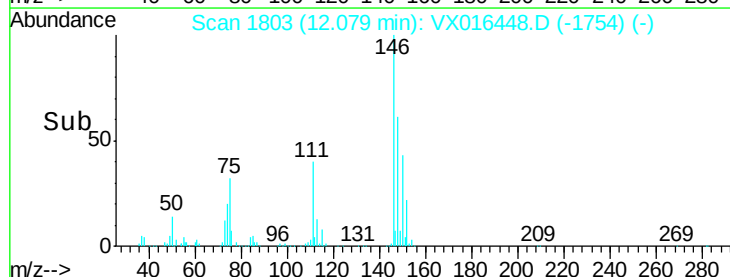
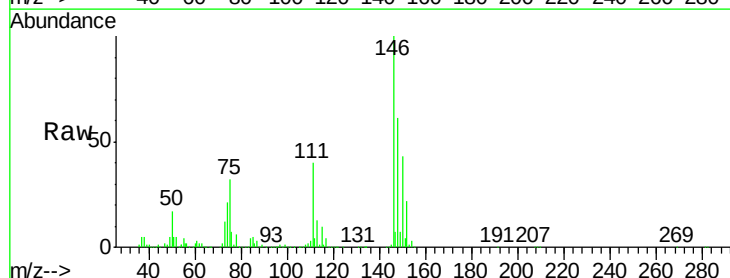
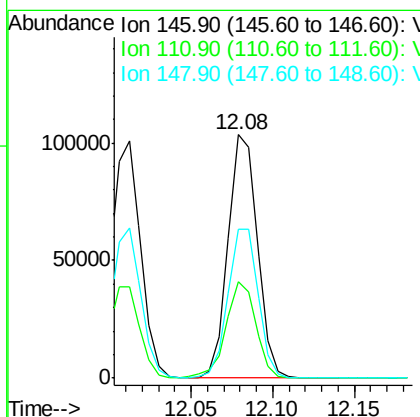
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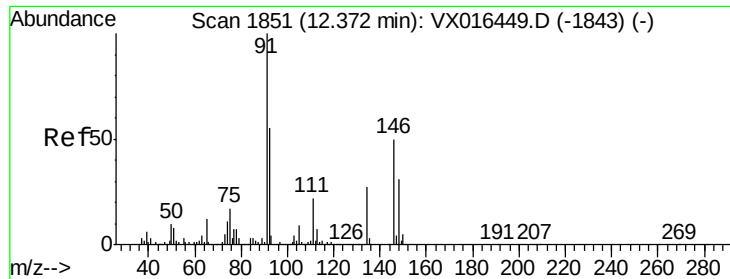
MMDadoda
 5/28/2020 2:10:22 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.019 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX016448.D
 Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.4	58.2
148	63.5	31.4	94.3





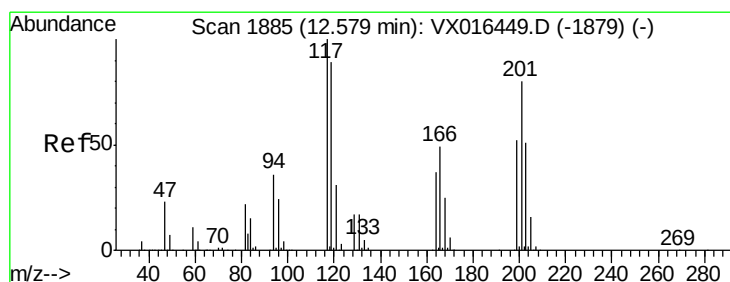
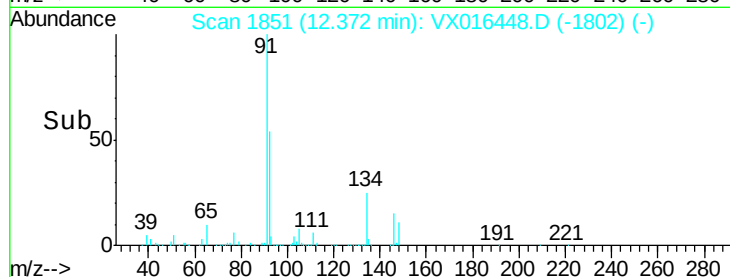
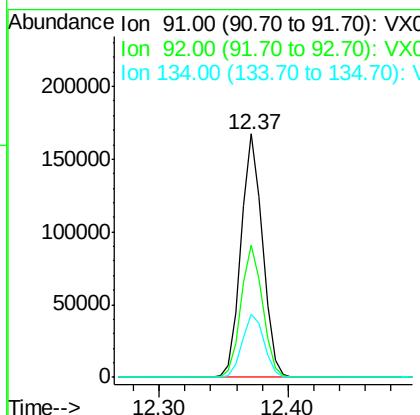
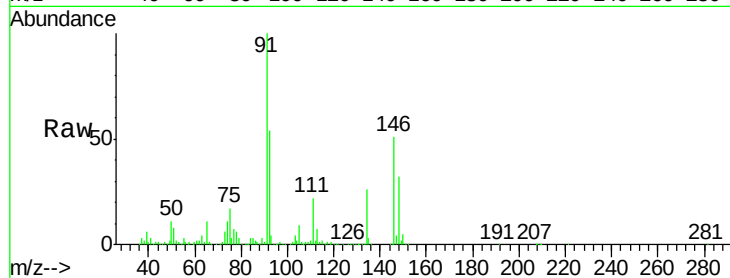
#89
n-Butylbenzene
Concen: 15.494 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	193211		
92	54.3	27.2	81.5	
134	26.2	13.1	39.3	

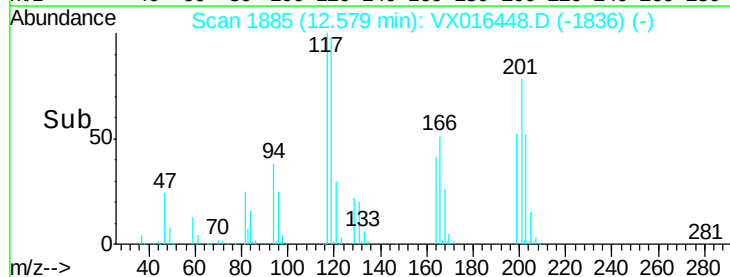
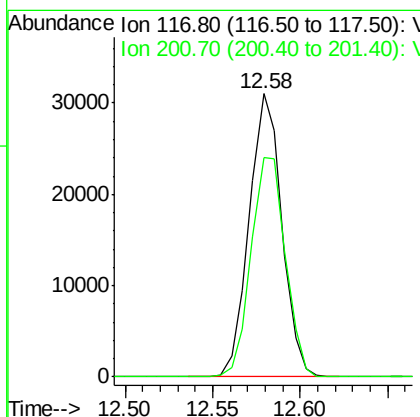
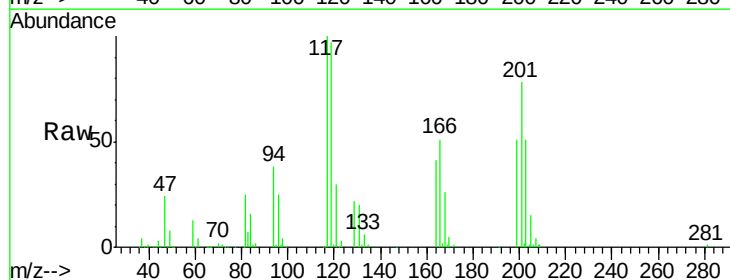
Manual Integrations
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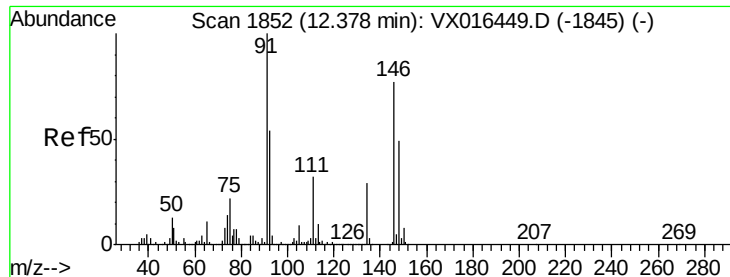
MMDadoda
5/28/2020 2:10:22 PM



#90
Hexachloroethane
Concen: 17.091 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40294		
201	81.6	43.1	129.3	





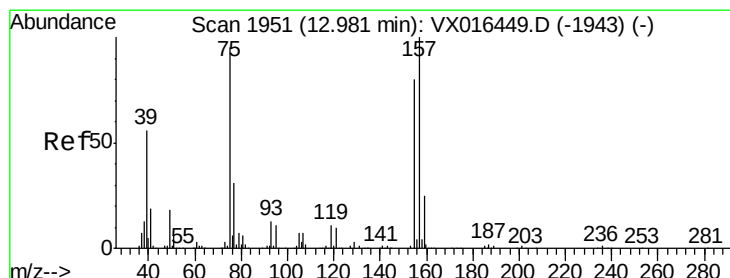
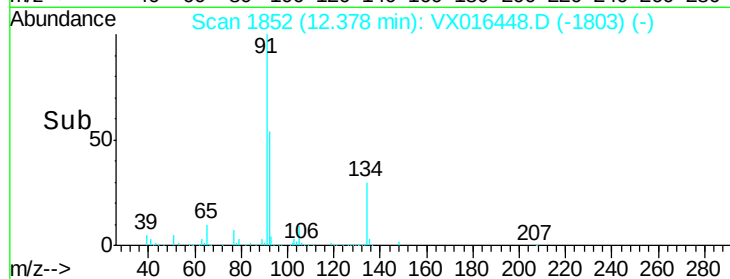
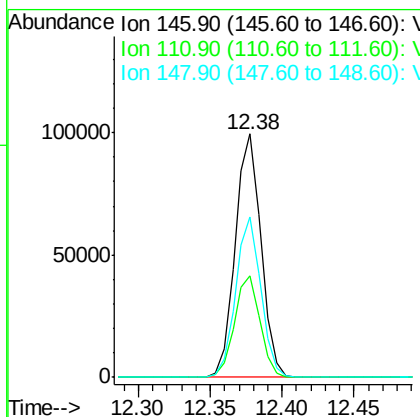
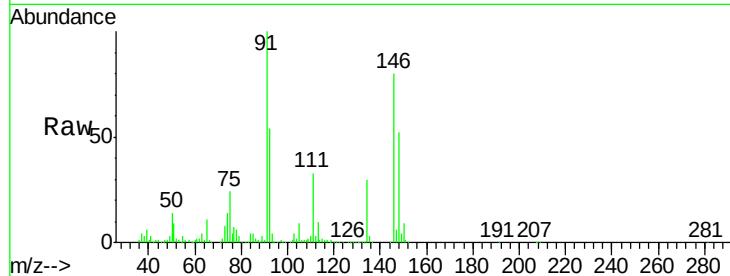
#91
 1,2-Dichlorobenzene
 Concen: 18.260 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016448.D
 Acq: 27 May 2020 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	124394		
111	41.4	21.4	64.3	
148	64.2	31.9	95.7	

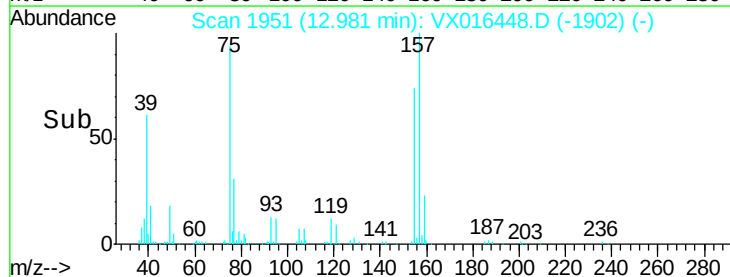
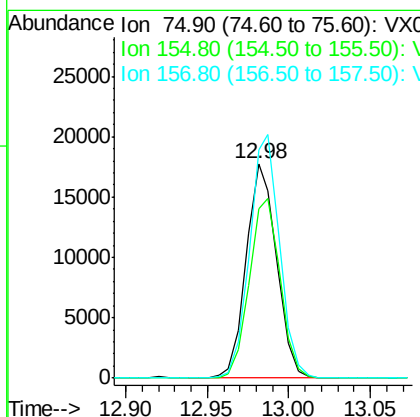
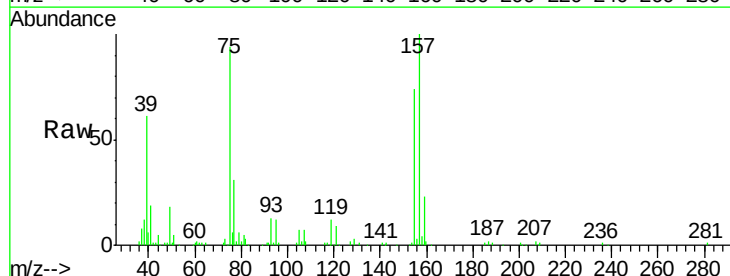
Manual Integrations
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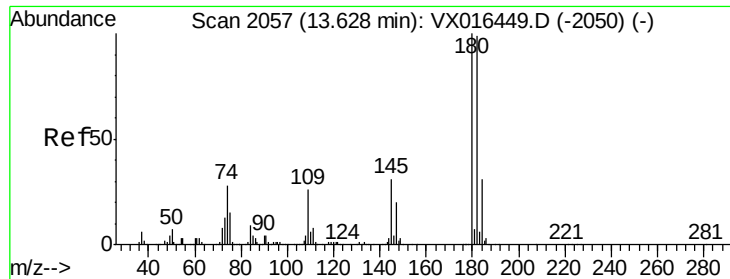
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 5/28/2020 2:10:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.331 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX016448.D
 Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23033		
155	84.5	44.1	132.4	
157	112.0	57.8	173.3	





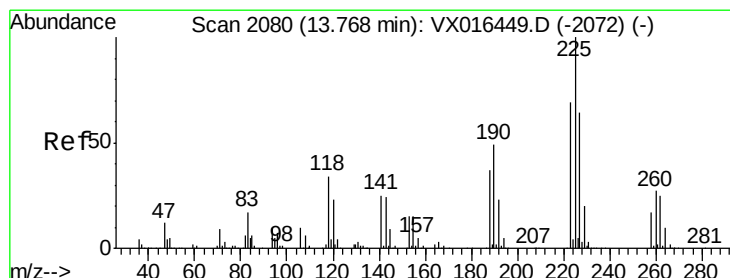
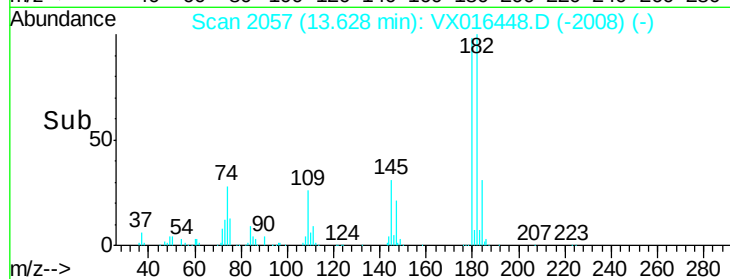
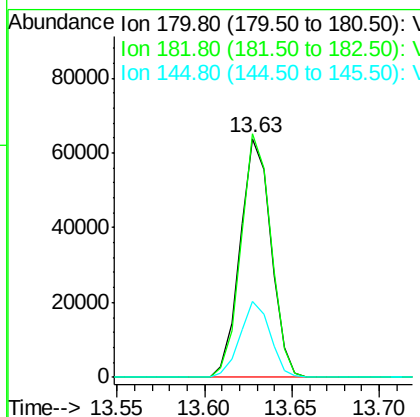
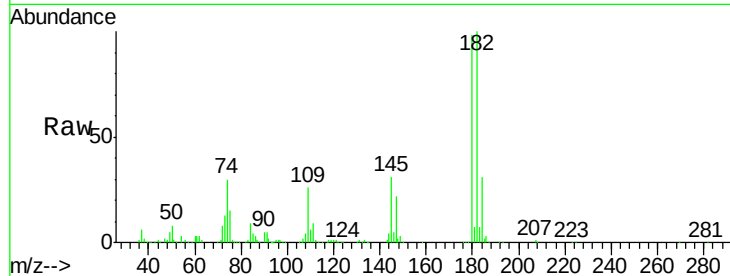
#93
 1,2,4-Trichlorobenzene
 Concen: 15.679 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016448.D
 Acq: 27 May 2020 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.2	48.3	144.8	
145	30.8	15.4	46.2	

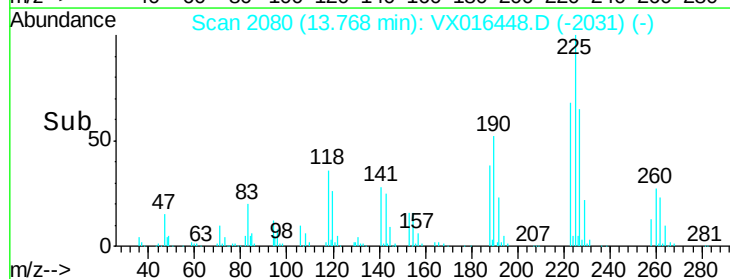
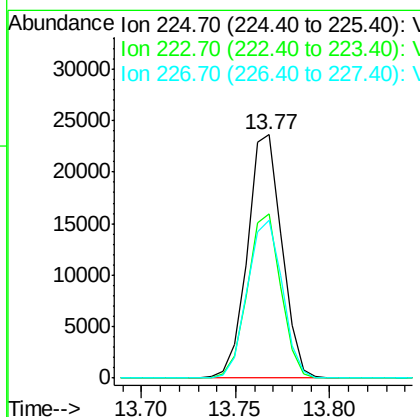
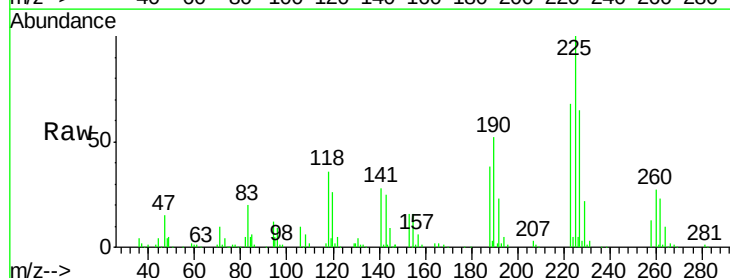
Manual Integrations
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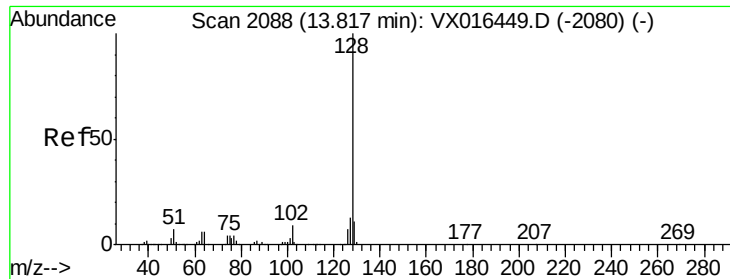
MMDadoda
 5/28/2020 2:10:22 PM



#94
 Hexachlorobutadiene
 Concen: 13.265 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016448.D
 Acq: 27 May 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.9	32.3	96.8	
227	65.6	31.6	94.7	





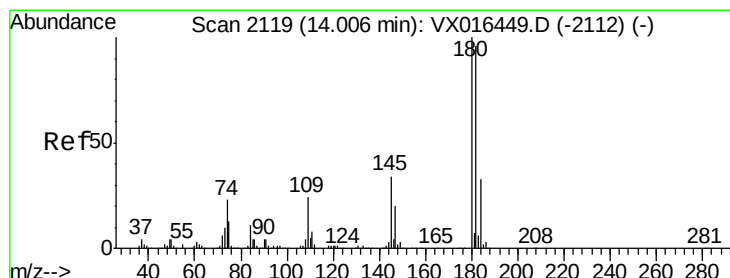
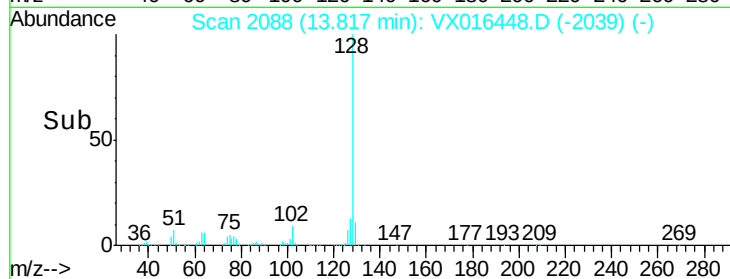
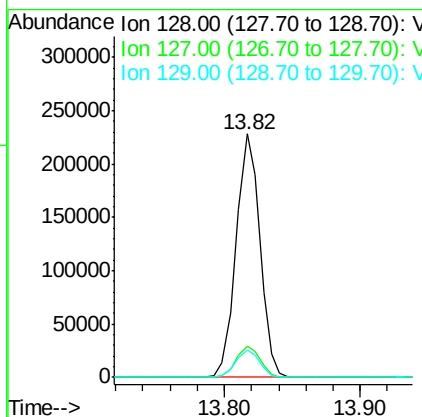
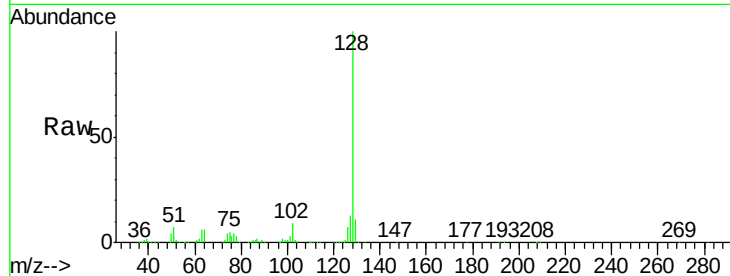
#95
Naphthalene
Concen: 17.093 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	128	Resp:	277641
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	15.8
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/28/2020 2:10:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 16.598 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX016448.D
Acq: 27 May 2020 15:05

Tgt Ion:	180	Resp:	80469
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.6	145.8
145	32.0	16.6	49.8

