

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062920\
 Data File : VX017011.D
 Acq On : 29 Jun 2020 16:06
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 10:12:24 AM

Quant Time: Jun 29 17:01:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 16:54:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	271979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	442208	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	436046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	225868	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	536009	159.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.72%	
35) Dibromofluoromethane	5.47	113	439994	157.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.58%	
50) Toluene-d8	8.70	98	1674031	161.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	323.68%	
62) 4-Bromofluorobenzene	11.12	95	685857	169.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	339.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	414302	157.455	ug/l	100
3) Chloromethane	1.31	50	503062	157.948	ug/l	100
4) Vinyl Chloride	1.39	62	446825	151.207	ug/l	99
5) Bromomethane	1.62	94	215693	138.155	ug/l	97
6) Chloroethane	1.69	64	254636	145.901	ug/l	100
7) Trichlorofluoromethane	1.90	101	648300	148.339	ug/l	99
8) Diethyl Ether	2.17	74	231189	144.905	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	384904	146.944	ug/l	98
10) Methyl Iodide	2.48	142	548341	162.234	ug/l	99
11) Tert butyl alcohol	3.04	59	508125	794.386	ug/l	100
12) 1,1-Dichloroethene	2.35	96	390183	145.004	ug/l	99
13) Acrolein	2.28	56	309125	808.450	ug/l	100
14) Allyl chloride	2.70	41	730668	146.930	ug/l	100
15) Acrylonitrile	3.12	53	1169969	760.867	ug/l	100
16) Acetone	2.43	43	918609	732.362	ug/l	100
17) Carbon Disulfide	2.54	76	1171127	142.096	ug/l	100
18) Methyl Acetate	2.75	43	483942	147.796	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	1384934	153.353	ug/l	100
20) Methylene Chloride	2.83	84	441232	137.630	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	438609	146.881	ug/l	98
22) Diisopropyl ether	3.83	45	1376849	149.592	ug/l	91
23) Vinyl Acetate	3.79	43	6137235	775.972	ug/l	100
24) 1,1-Dichloroethane	3.67	63	778786	148.708	ug/l	99
25) 2-Butanone	4.64	43	1621996	776.073	ug/l	100
26) 2,2-Dichloropropane	4.55	77	672693	144.665	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	496612	146.775	ug/l	99
28) Bromochloromethane	4.98	49	372226	146.060	ug/l	99
29) Tetrahydrofuran	5.09	42	1057491	765.793	ug/l	99
30) Chloroform	5.18	83	789706	147.100	ug/l	99
31) Cyclohexane	5.54	56	704219	155.568	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	736090	148.881	ug/l	99
36) 1,1-Dichloropropene	5.77	75	618300	147.940	ug/l	100
37) Ethyl Acetate	4.80	43	640525	151.050	ug/l	100
38) Carbon Tetrachloride	5.75	117	677378	147.150	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	737813	158.665	ug/l	98
40) Benzene	6.11	78	1818354	148.077	ug/l	98
41) Methacrylonitrile	5.01	41	358772	150.325	ug/l	98
42) 1,2-Dichloroethane	6.17	62	653670	147.371	ug/l	100
43) Isopropyl Acetate	6.42	43	1110101	157.541	ug/l	100
44) Trichloroethene	7.19	130	522748	141.335	ug/l	99
45) 1,2-Dichloropropane	7.49	63	473460	150.116	ug/l	99
46) Dibromomethane	7.64	93	324659	150.774	ug/l	99
47) Bromodichloromethane	7.88	83	676569	152.466	ug/l	96
48) Methyl methacrylate	7.75	41	557335	166.482	ug/l	100
49) 1,4-Dioxane	7.72	88	237278	3128.600	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	3358291	799.525	ug/l	100
52) Toluene	8.77	92	1172783	152.969	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	796074	162.595	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	816439	155.556	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	477092	152.307	ug/l	98
56) Ethyl methacrylate	9.16	69	771575	173.057	ug/l	99
57) 1,3-Dichloropropane	9.35	76	802669	151.436	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	1904806	858.429	ug/l	99
59) 2-Hexanone	9.48	43	2488072	811.064	ug/l	100
60) Dibromochloromethane	9.57	129	586372	161.171	ug/l	100
61) 1,2-Dibromoethane	9.65	107	527197	156.576	ug/l	100
64) Tetrachloroethene	9.32	164	471642	134.021	ug/l	98
65) Chlorobenzene	10.12	112	1336176	148.469	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	529117	152.555	ug/l	100
67) Ethyl Benzene	10.24	91	2342318	155.847	ug/l	98
68) m/p-Xylenes	10.34	106	1782481	308.874	ug/l	99
69) o-Xylene	10.68	106	880994	160.477	ug/l	99
70) Styrene	10.70	104	1524142	163.034	ug/l	99
71) Bromoform	10.84	173	443245	161.157	ug/l #	99
73) Isopropylbenzene	11.00	105	2317443	156.641	ug/l	99
74) N-amyl acetate	10.88	43	1036535	164.197	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	694041	149.136	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	633375m	113.866	ug/l	
77) Bromobenzene	11.24	156	602789	148.248	ug/l	99
78) n-propylbenzene	11.35	91	2674096	159.837	ug/l	100
79) 2-Chlorotoluene	11.40	91	1548503	152.934	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	1965172	160.138	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	273975	159.740	ug/l	99
82) 4-Chlorotoluene	11.49	91	1861452	153.786	ug/l	99
83) tert-Butylbenzene	11.76	119	1924999	159.796	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	2015080	161.858	ug/l	99
85) sec-Butylbenzene	11.93	105	2286150	161.447	ug/l	99
86) p-Isopropyltoluene	12.05	119	2114527	160.407	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	1075302	145.609	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	1075698	144.837	ug/l	99
89) n-Butylbenzene	12.37	91	1878449	159.590	ug/l	100
90) Hexachloroethane	12.58	117	406208	156.260	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	1017986	147.472	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	170859	153.903	ug/l	100

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VSTDICC150

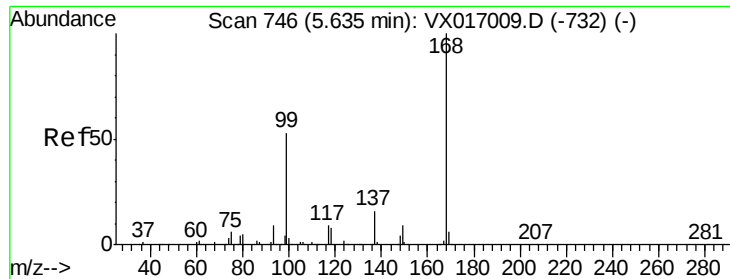
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	743349	157.771	ug/l	99
94) Hexachlorobutadiene	13.77	225	280709	147.305	ug/l	96
95) Naphthalene	13.82	128	2414511	168.565	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	724131	158.812	ug/l	99

(#) = 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. -0.01 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 271979

Ion Ratio Lower Upper

168 100

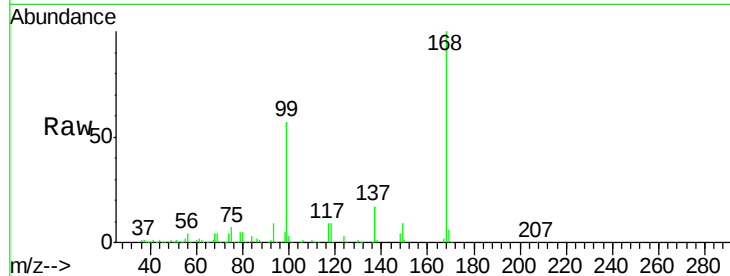
99 56.7 42.6 64.0

Manual Integrations

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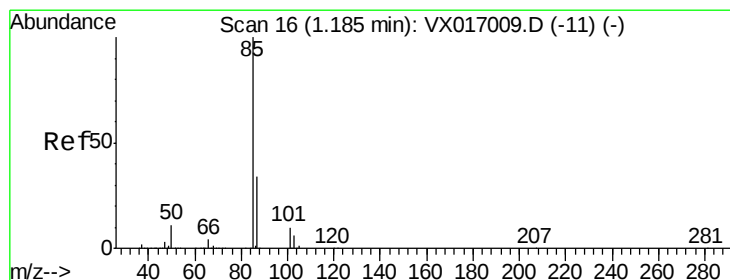
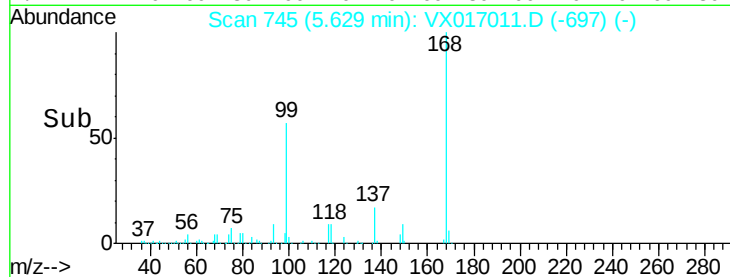
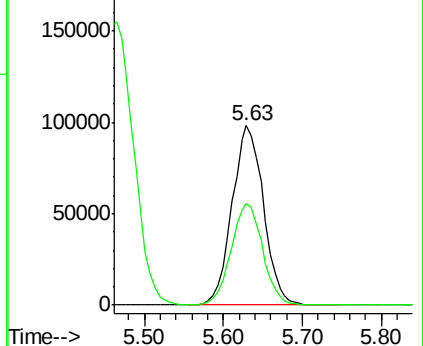
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 157.455 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017011.D

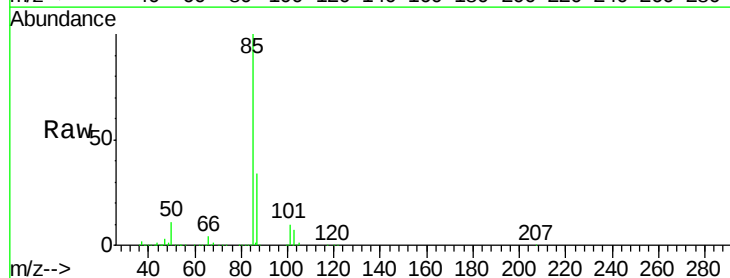
Acq: 29 Jun 2020 16:06

Tgt Ion: 85 Resp: 414302

Ion Ratio Lower Upper

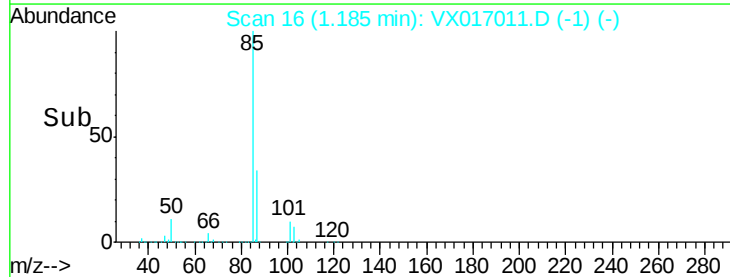
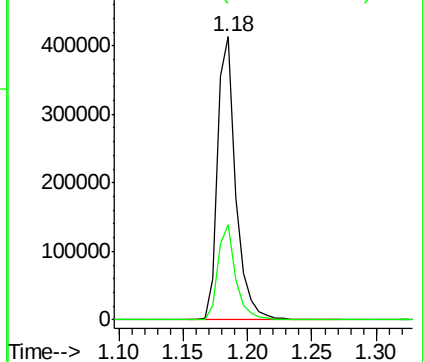
85 100

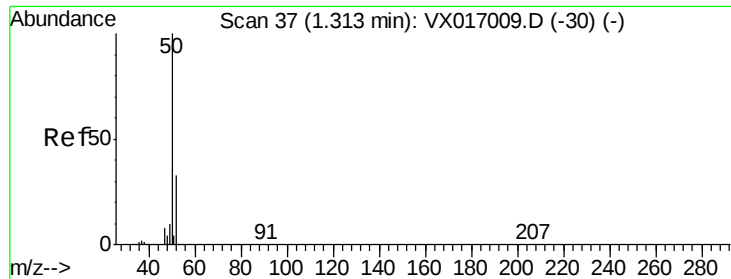
87 33.5 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 157.948 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 503062

Ion Ratio Lower Upper

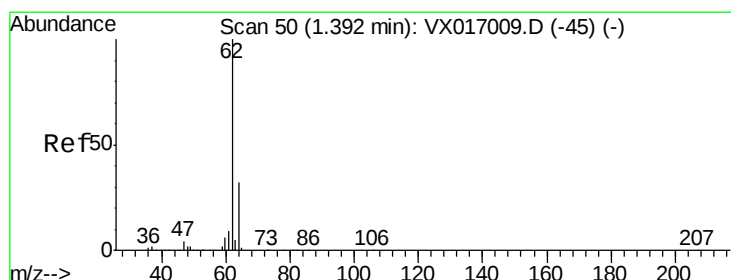
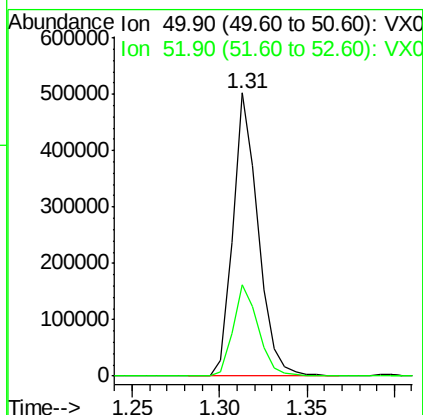
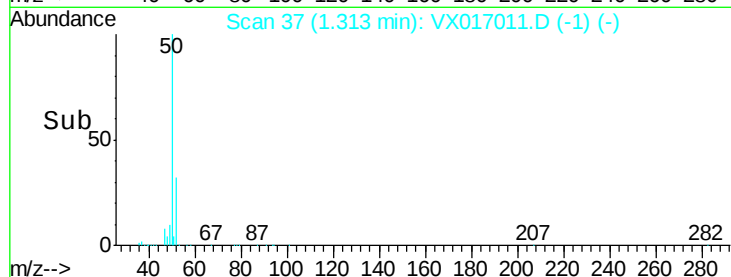
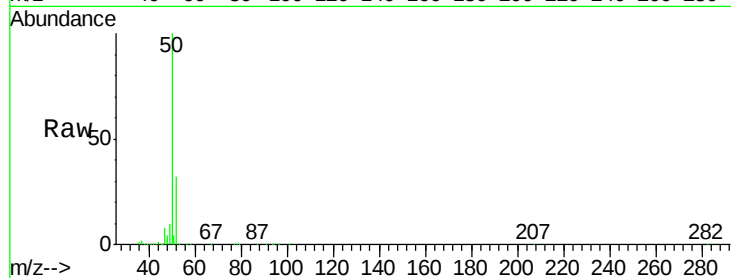
50 100

52 32.4 26.1 39.1

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#4

Vinyl Chloride

Concen: 151.207 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017011.D

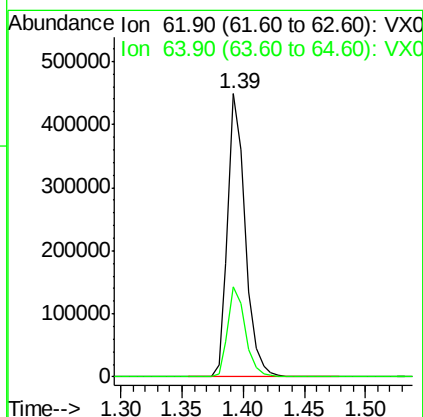
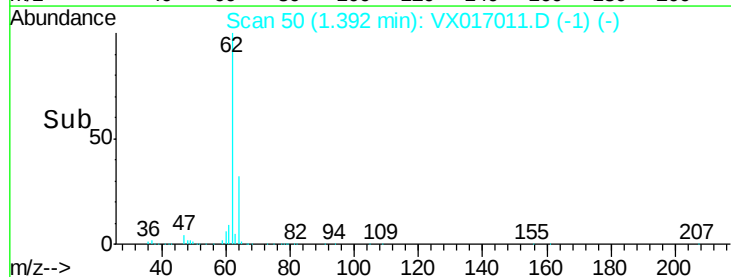
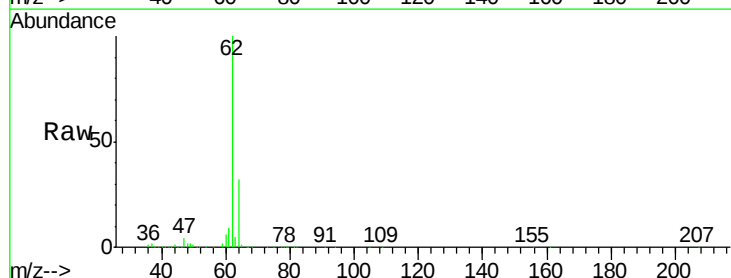
Acq: 29 Jun 2020 16:06

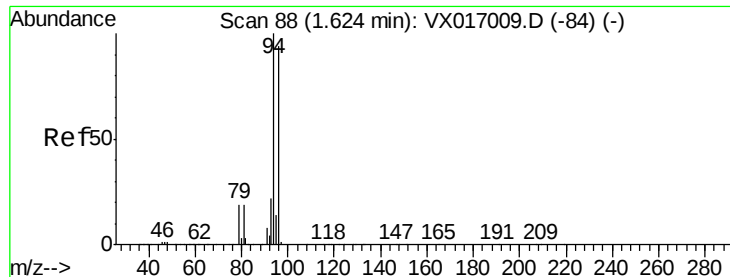
Tgt Ion: 62 Resp: 446825

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 138.155 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 215693

Ion Ratio Lower Upper

94 100

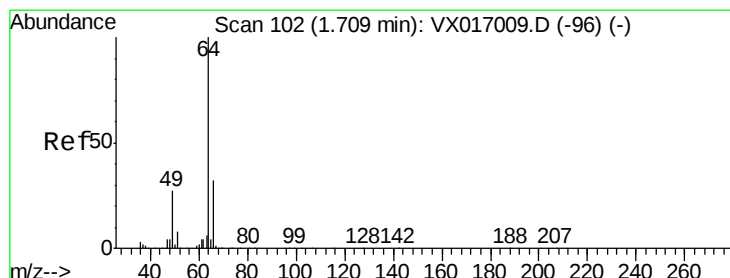
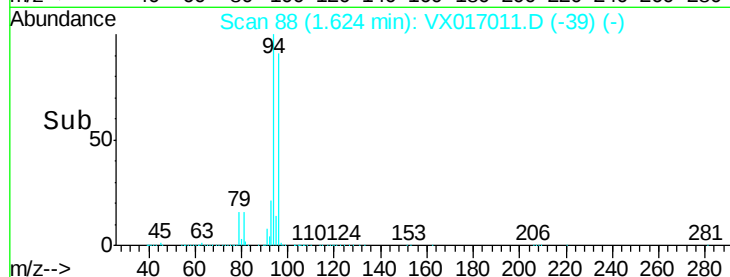
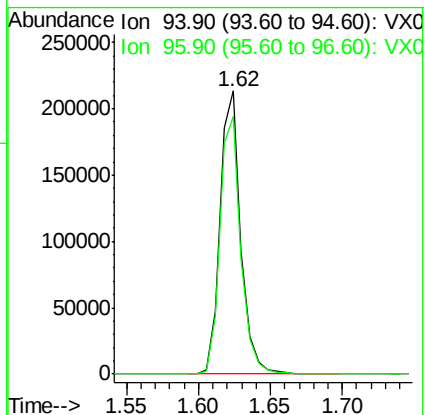
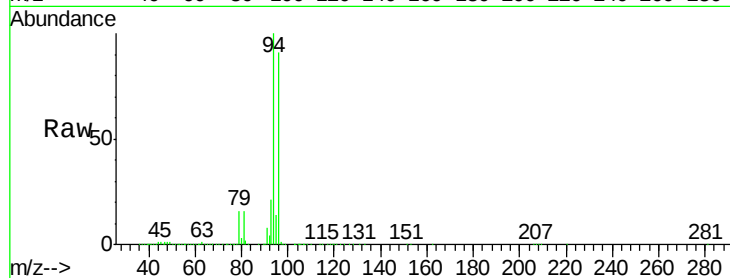
96 91.1 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 145.901 ug/l

RT: 1.69 min Scan# 99

Delta R.T. -0.02 min

Lab File: VX017011.D

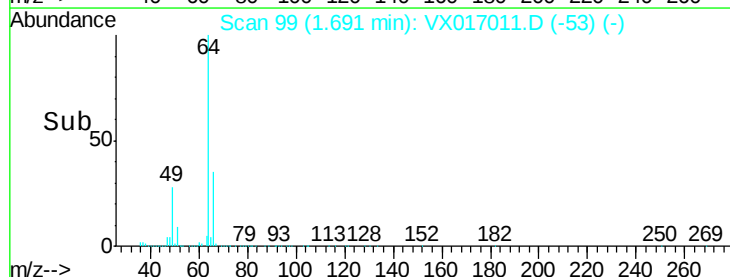
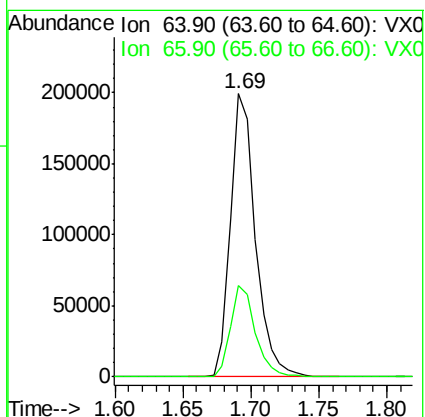
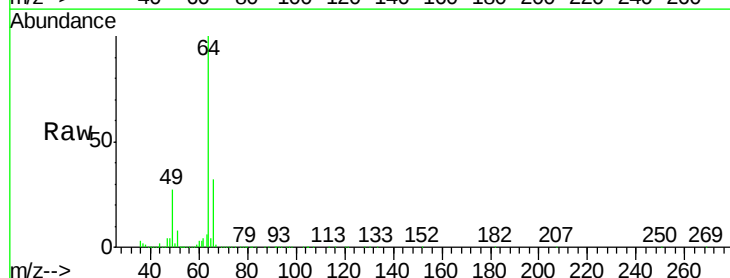
Acq: 29 Jun 2020 16:06

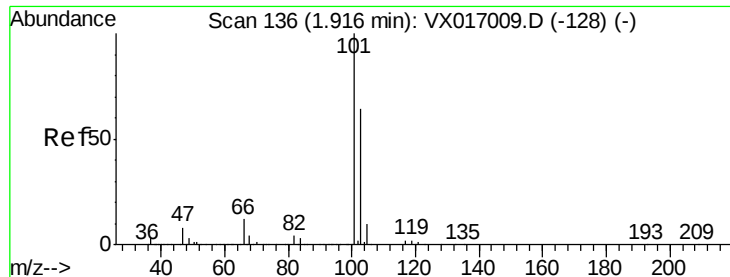
Tgt Ion: 64 Resp: 254636

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3





#7

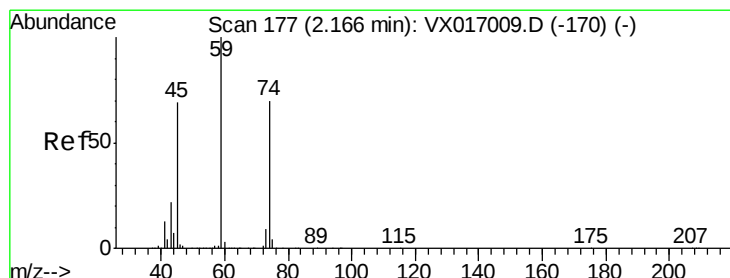
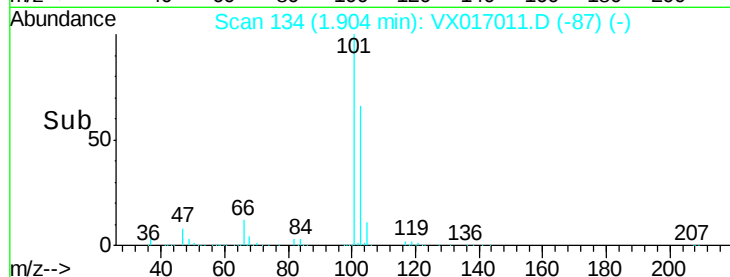
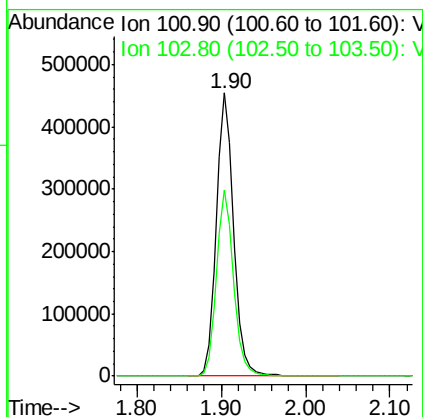
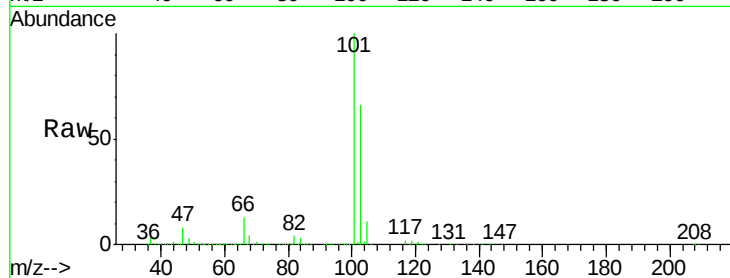
Trichlorofluoromethane
Concen: 148.339 ug/l
RT: 1.90 min Scan# 134
Delta R.T. -0.01 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

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VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.5	77.3

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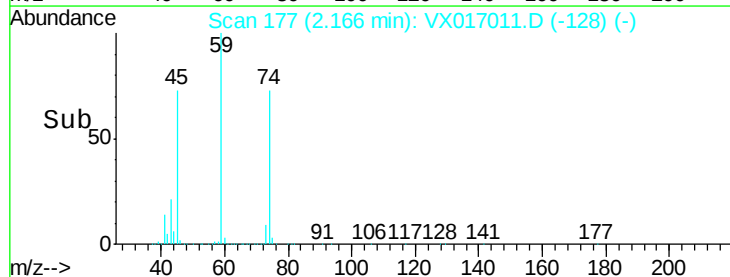
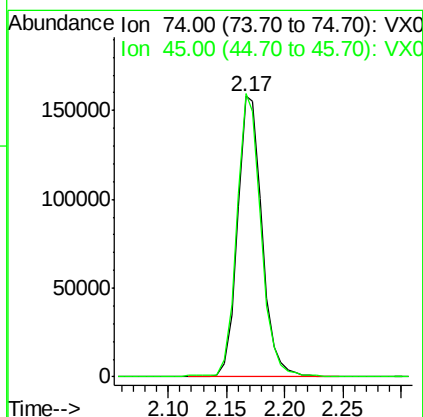
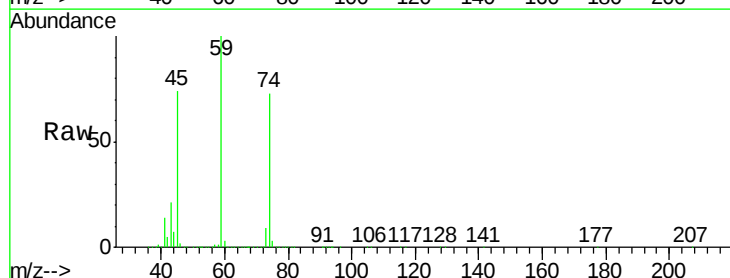
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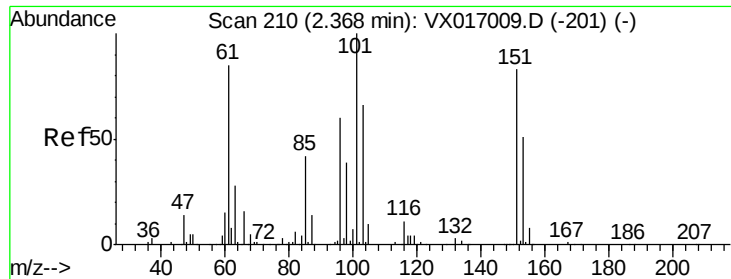


#8

Diethyl Ether
Concen: 144.905 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	49.8	149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 146.944 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

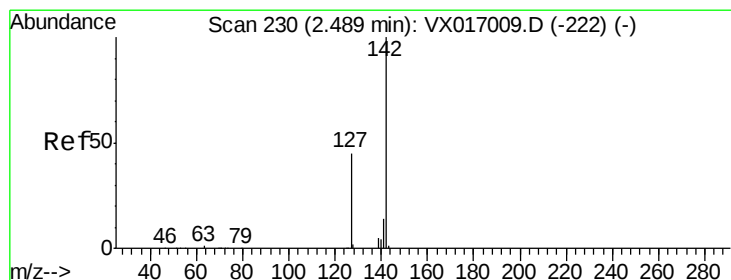
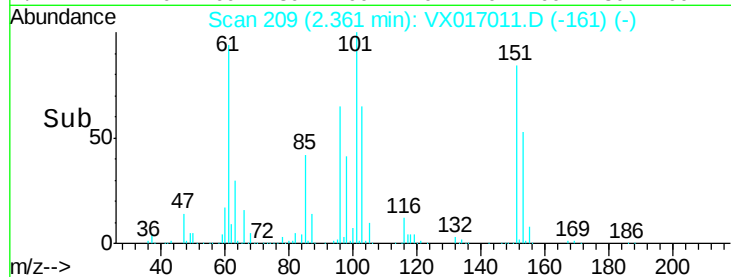
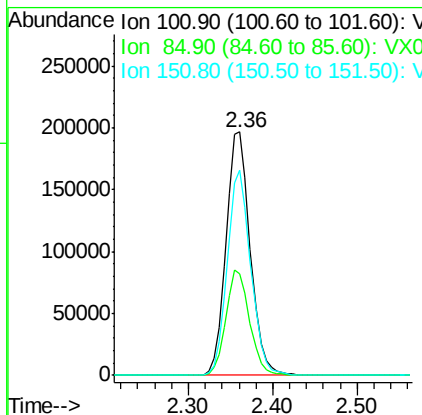
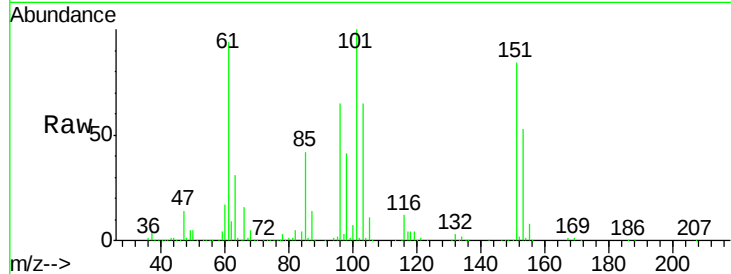
ClientSampleId :

VSTDICC150

Tot Ion:	101	Resp:	384904
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.5	50.3
151	82.0	63.8	95.6

Manual Integrations
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#10

Methyl Iodide

Concen: 162.234 ug/l

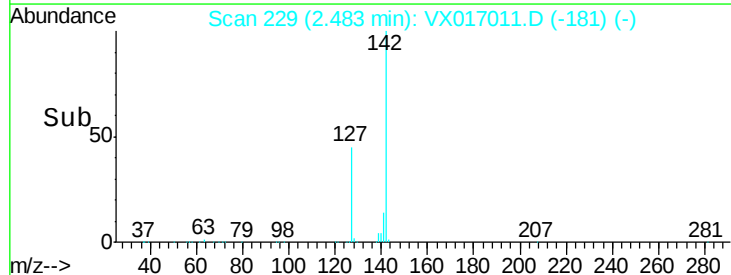
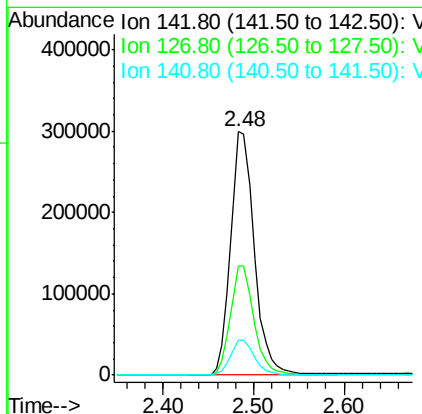
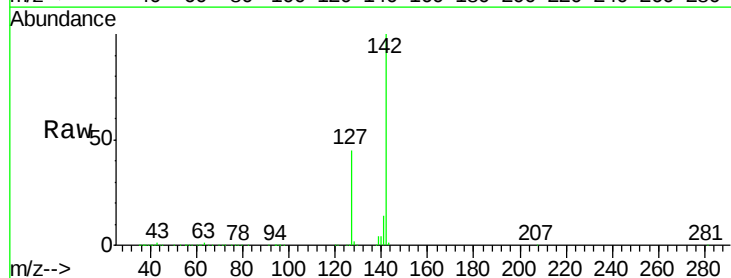
RT: 2.48 min Scan# 229

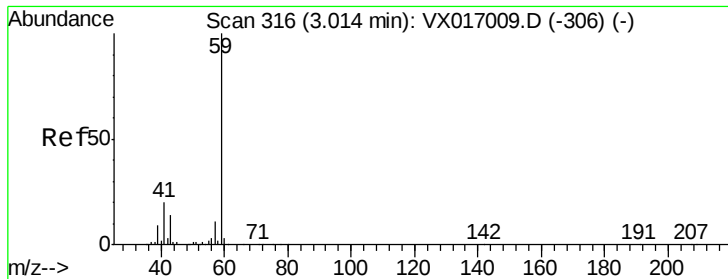
Delta R.T. -0.01 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Tgt Ion:	142	Resp:	548341
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.6	54.8
141	14.5	11.6	17.4





#11

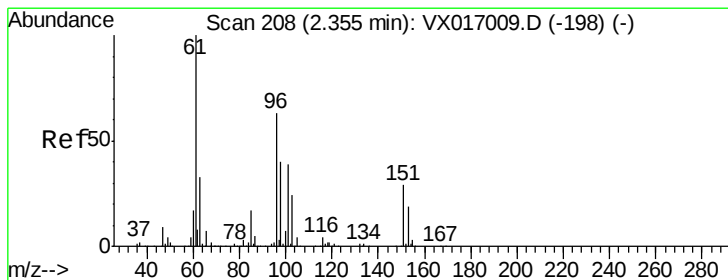
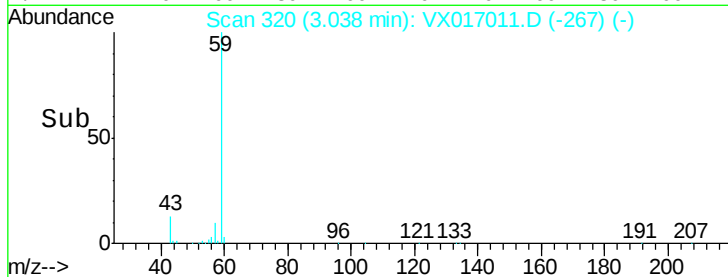
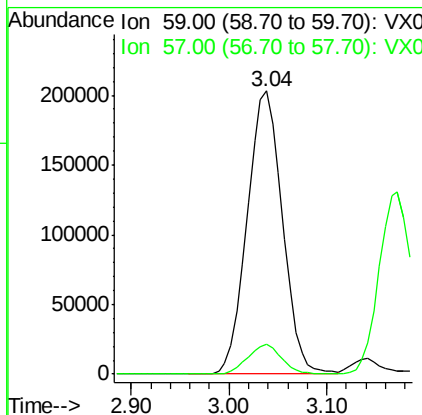
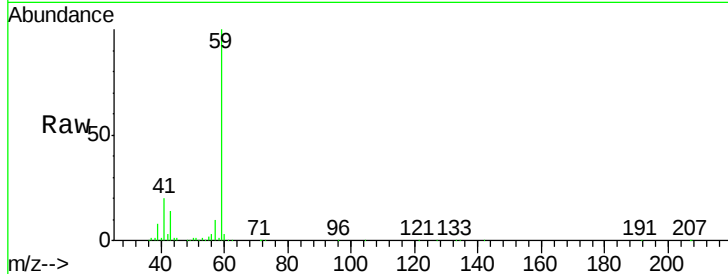
Tert butyl alcohol
Concen: 794.386 ug/l
RT: 3.04 min Scan# 320
Delta R.T. 0.02 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	508125		
57	10.1		8.2	12.2

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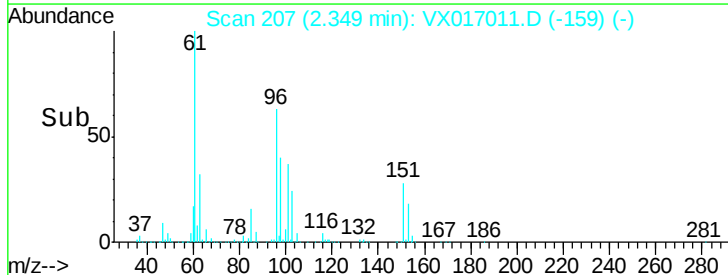
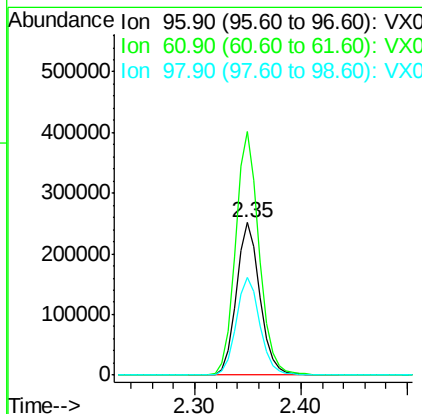
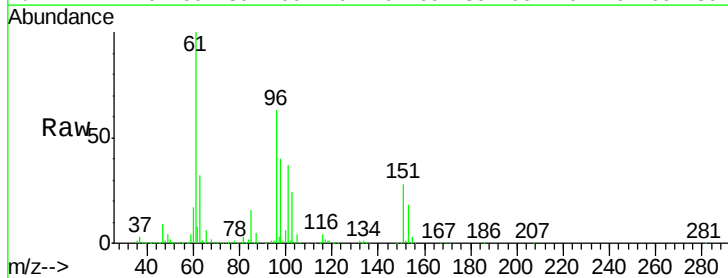
MMDadoda
6/30/2020 10:12:24 AM

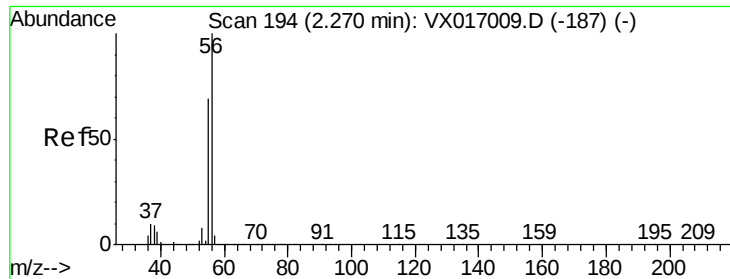


#12

1,1-Dichloroethene
Concen: 145.004 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	390183		
61	159.8		126.3	189.5
98	64.2		51.0	76.6





#13

Acrolein

Concen: 808.450 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 309125

Ion Ratio Lower Upper

56 100

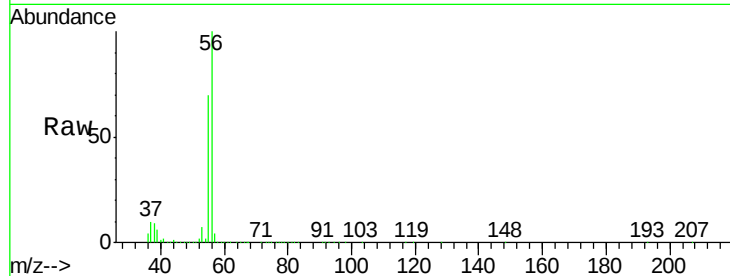
55 69.4 55.7 83.5

Manual Integrations

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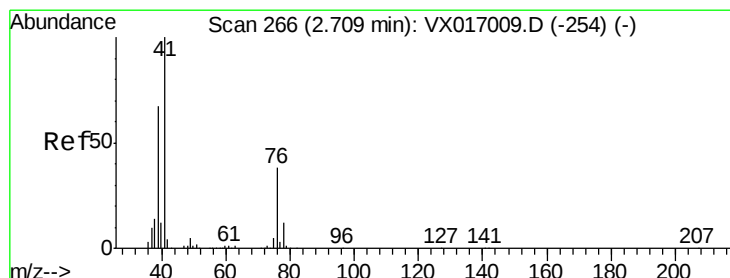
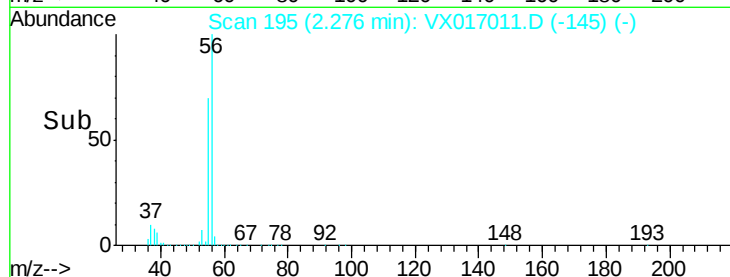
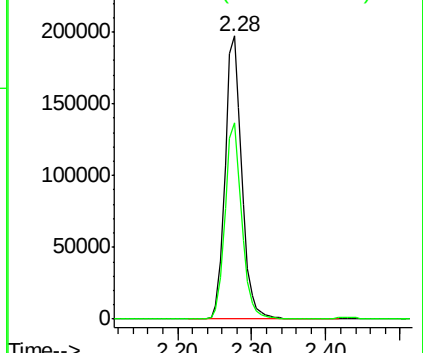
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 146.930 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

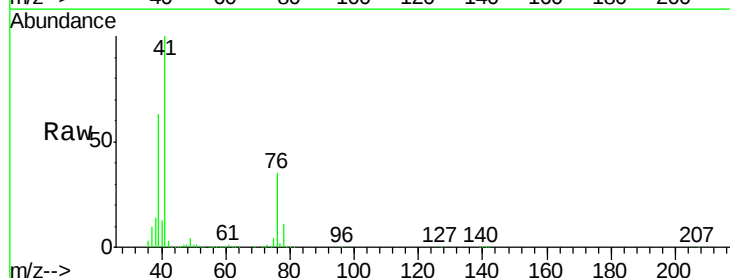
Tgt Ion: 41 Resp: 730668

Ion Ratio Lower Upper

41 100

39 61.9 49.4 74.2

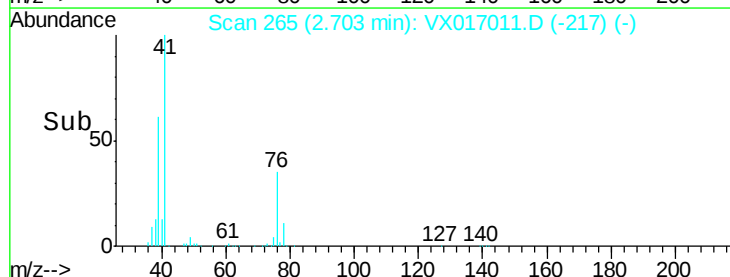
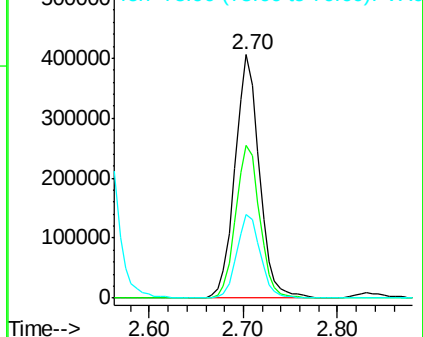
76 33.2 26.8 40.2

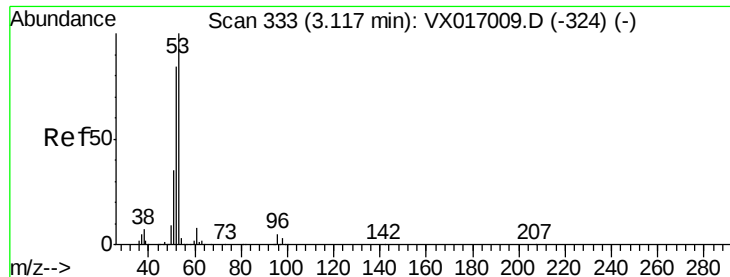


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 760.867 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1169969

Ion Ratio Lower Upper

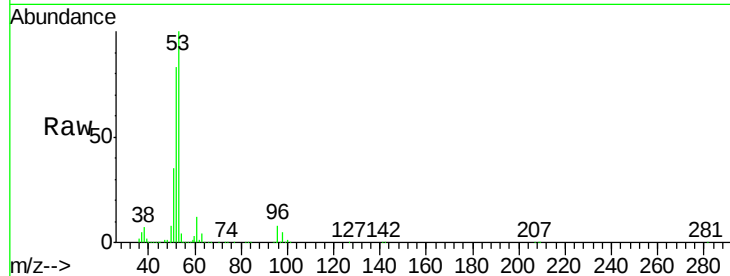
53 100

52 81.8 65.6 98.4

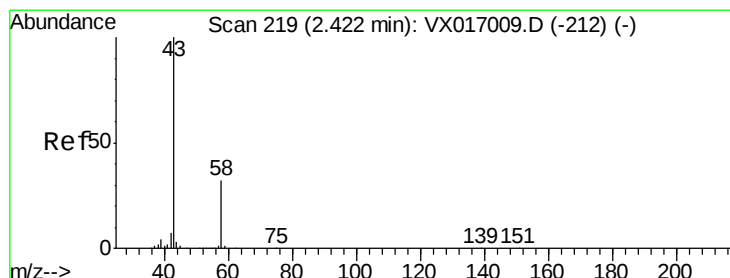
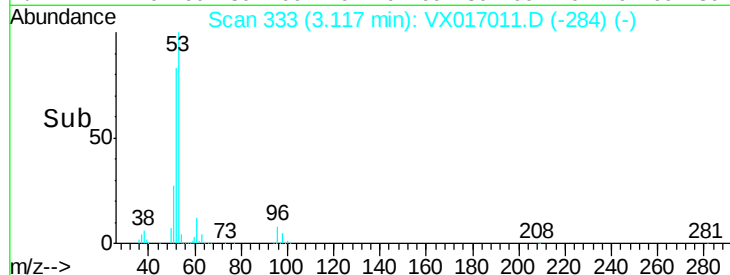
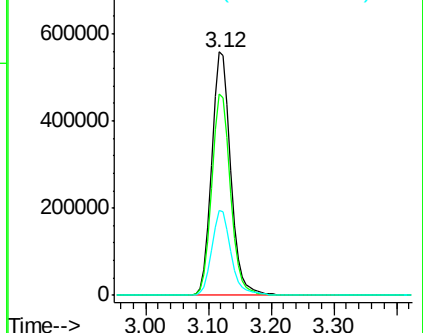
51 35.4 28.3 42.5

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 732.362 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX017011.D

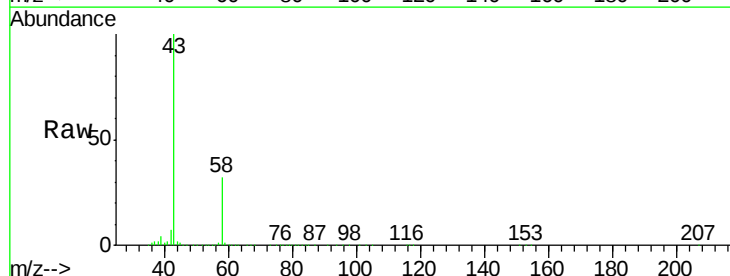
Acq: 29 Jun 2020 16:06

Tgt Ion: 43 Resp: 918609

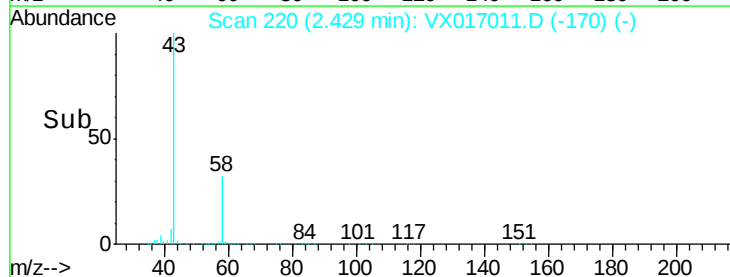
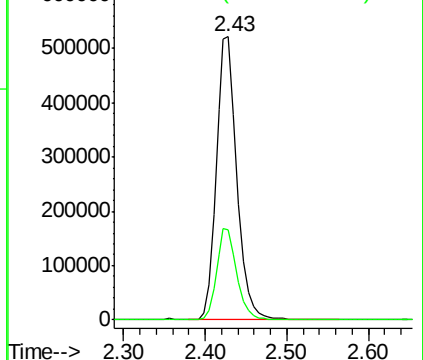
Ion Ratio Lower Upper

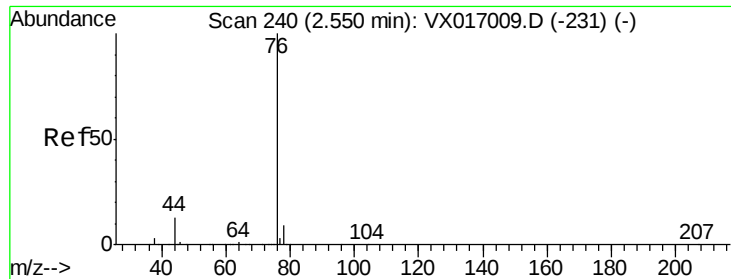
43 100

58 31.9 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





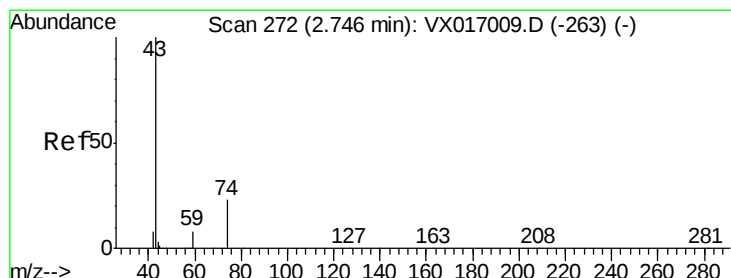
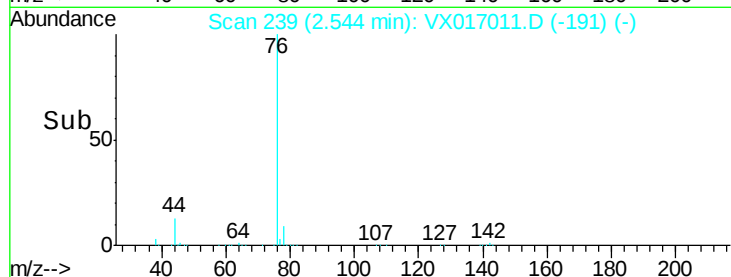
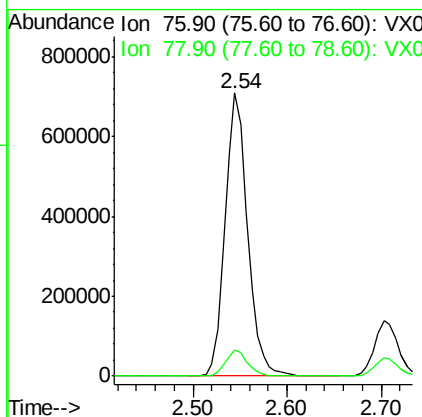
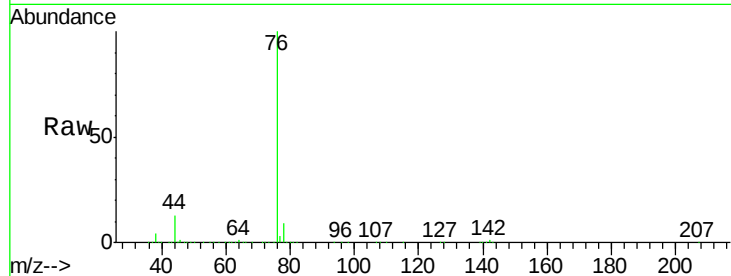
#17
Carbon Disulfide
Concen: 142.096 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1171127
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

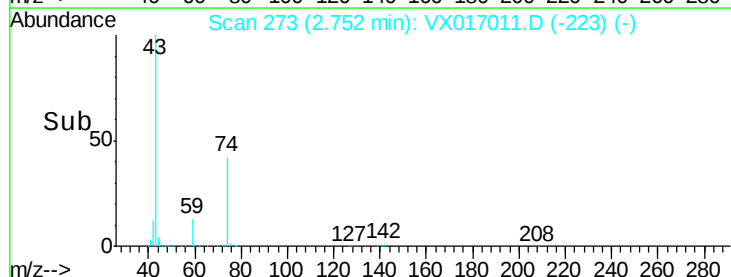
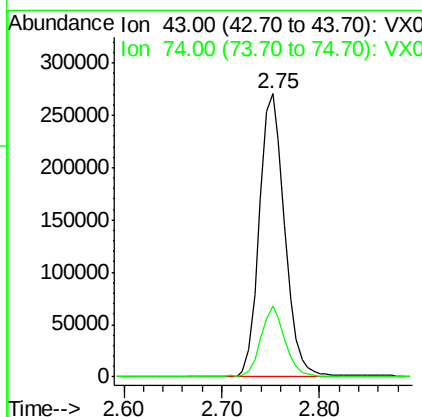
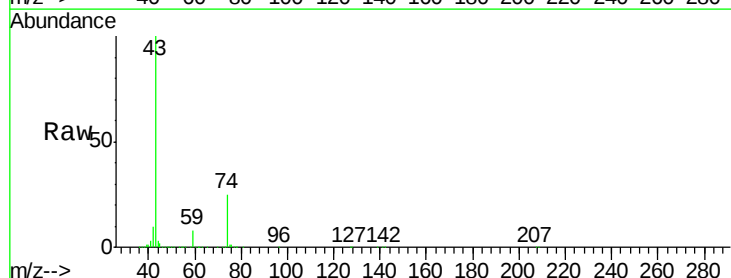
Manual Integrations
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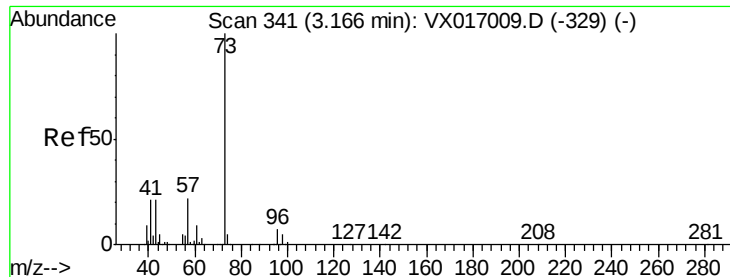
MMDadoda
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#18
Methyl Acetate
Concen: 147.796 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion: 43 Resp: 483942
Ion Ratio Lower Upper
43 100
74 24.1 19.3 28.9





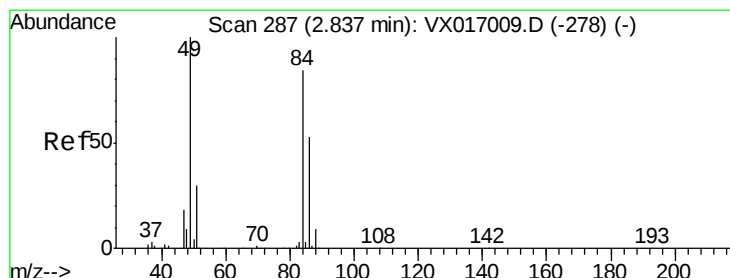
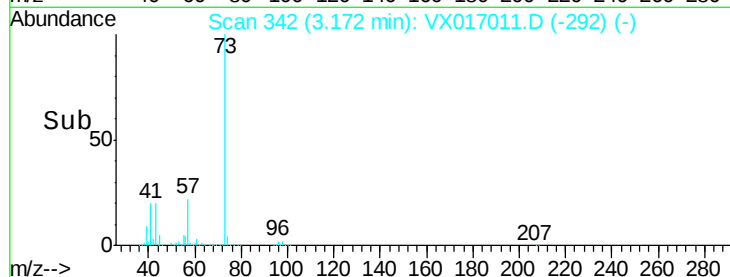
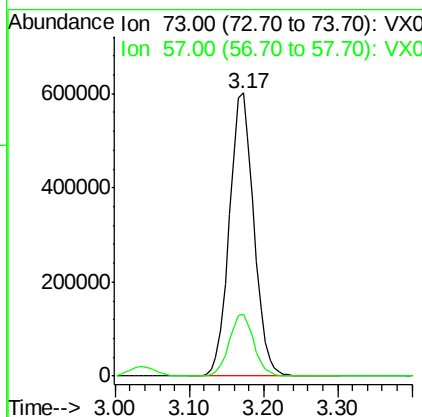
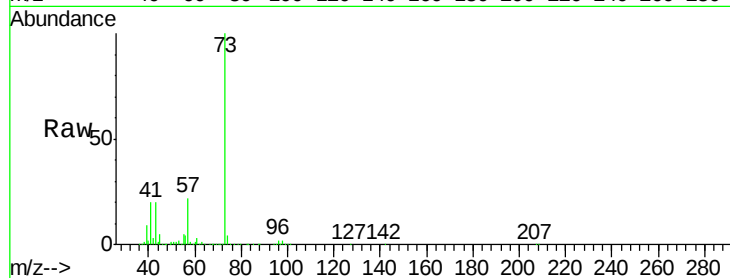
#19
Methvl tert-butvl Ether
Concen: 153.353 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1384934
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4

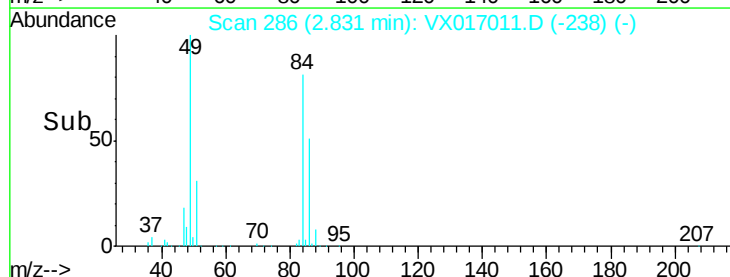
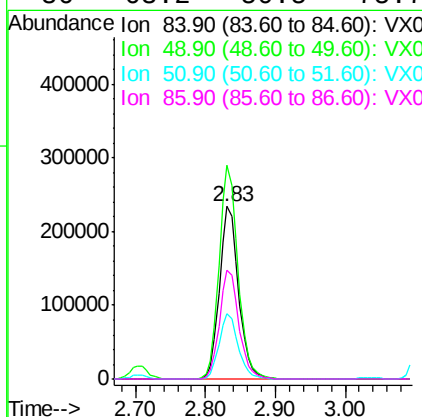
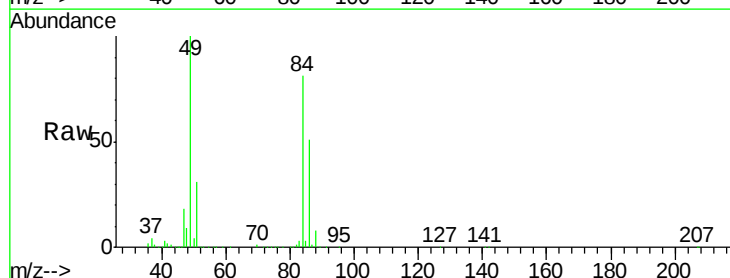
Manual Integrations
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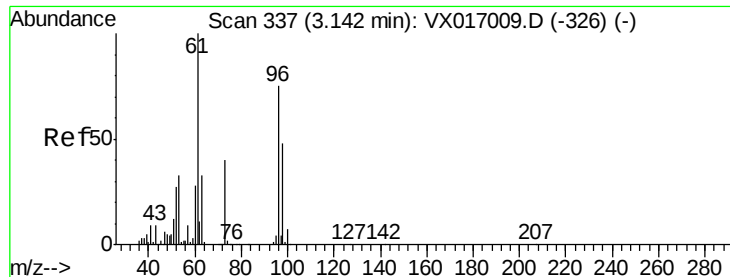
MMDadoda
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#20
Methylene Chloride
Concen: 137.630 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion: 84 Resp: 441232
Ion Ratio Lower Upper
84 100
49 123.7 94.7 142.1
51 38.0 28.6 42.8
86 63.2 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 146.881 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

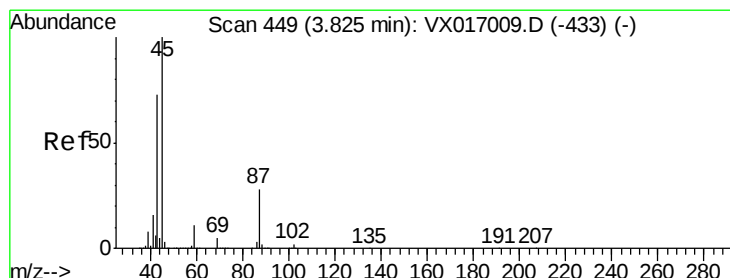
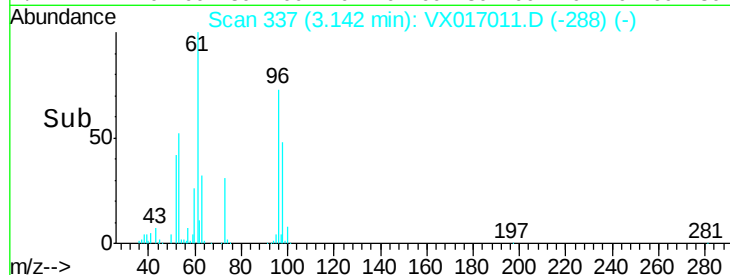
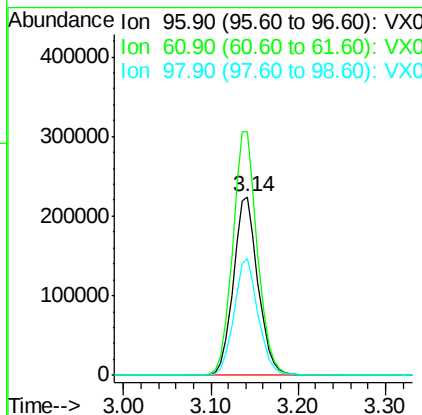
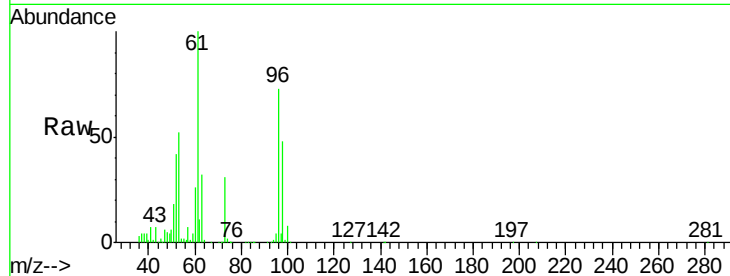
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	438609
Ion	Ratio	Lower	Upper
96	100		
61	136.4	107.0	160.6
98	65.4	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 149.592 ug/l

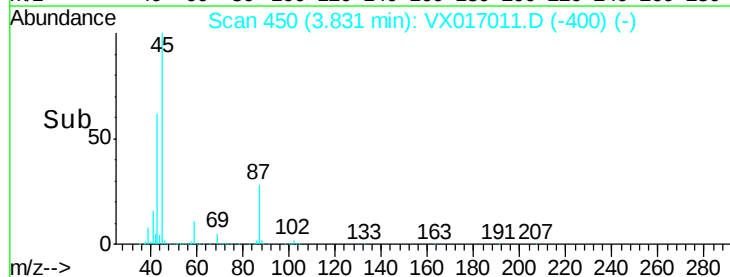
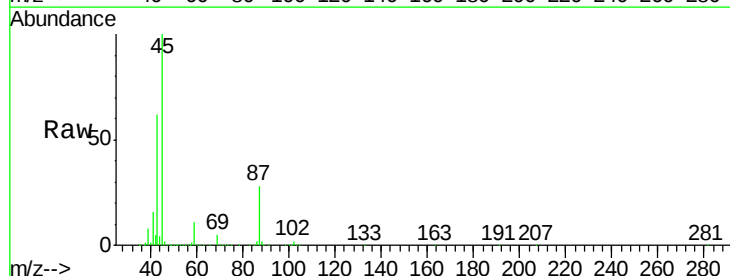
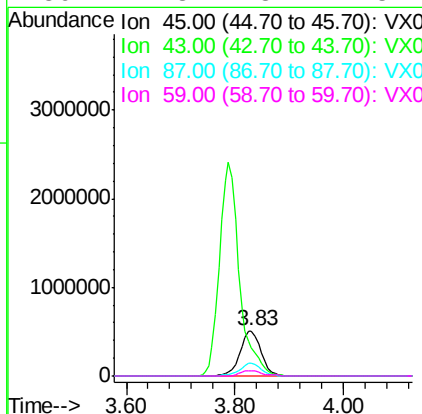
RT: 3.83 min Scan# 450

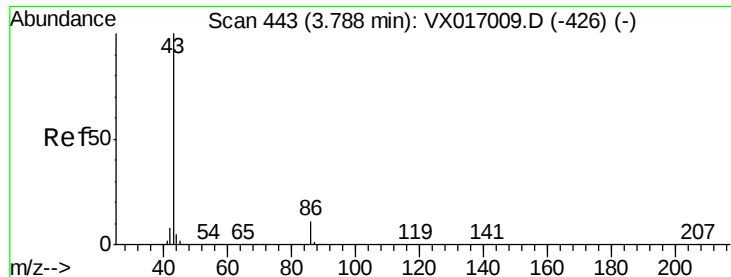
Delta R.T. 0.01 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Tgt Ion:	45	Resp:	1376849
Ion	Ratio	Lower	Upper
45	100		
43	61.7	58.6	88.0
87	27.9	22.6	34.0
59	11.3	8.7	13.1





#23

Vinyl Acetate

Concen: 775.972 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6137235

Ion Ratio Lower Upper

43 100

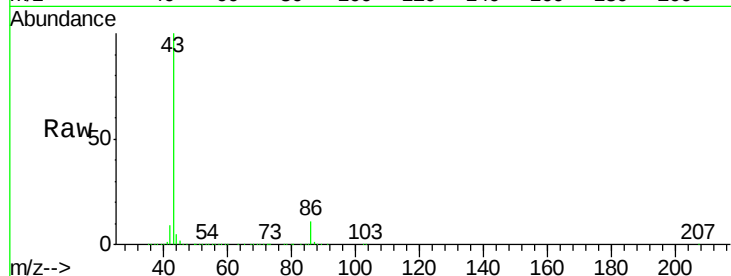
86 10.9 8.6 13.0

Manual Integrations

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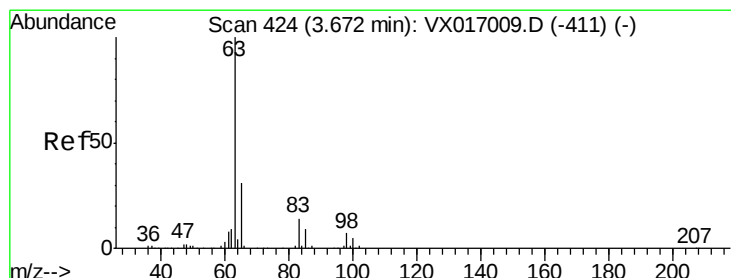
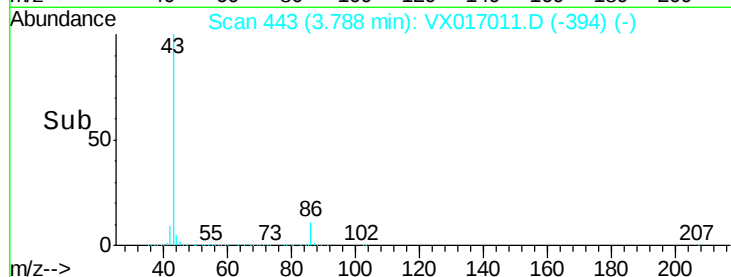
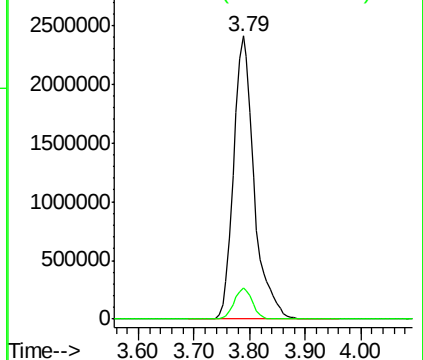
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 148.708 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

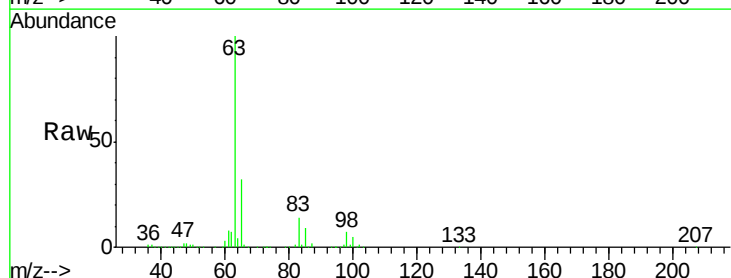
Tgt Ion: 63 Resp: 778786

Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.8

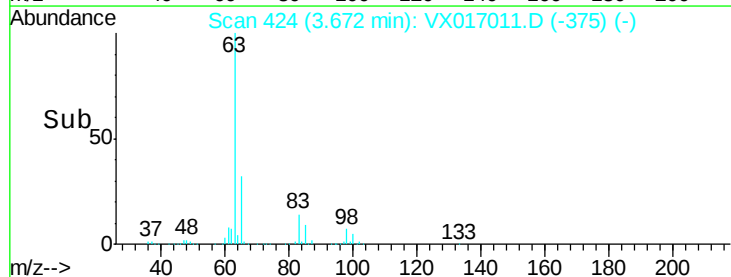
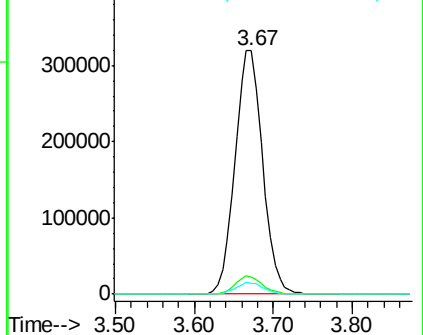
100 4.5 2.4 7.1

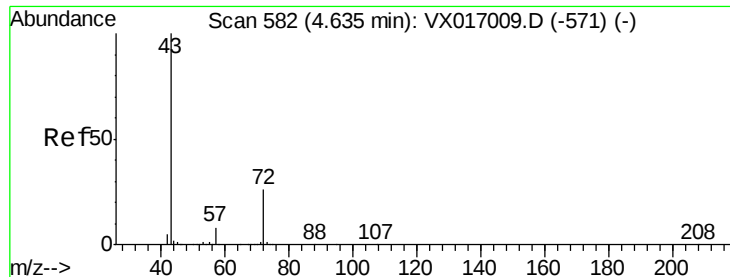


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





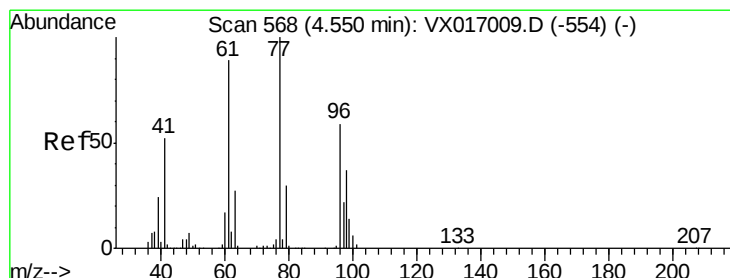
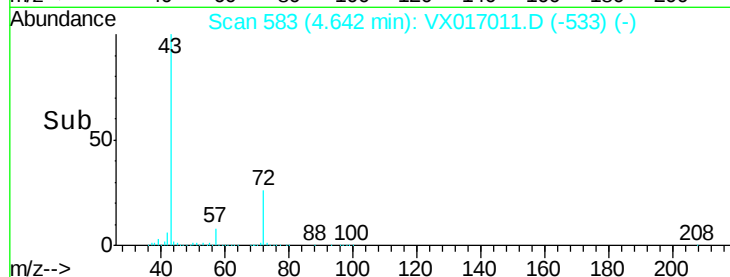
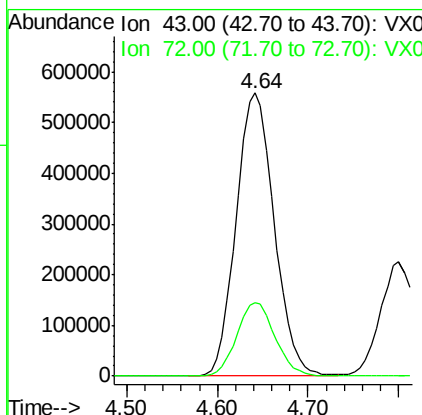
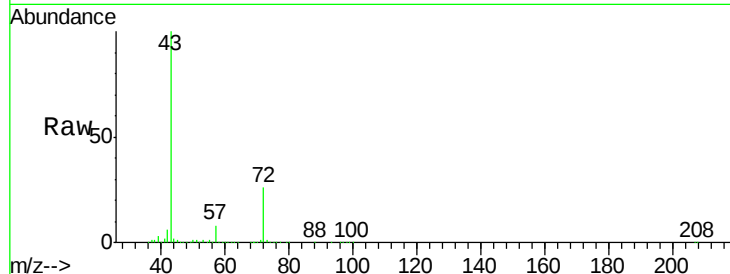
#25
2-Butanone
Concen: 776.073 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1621996
Ion Ratio Lower Upper
43 100
72 26.0 20.8 31.2

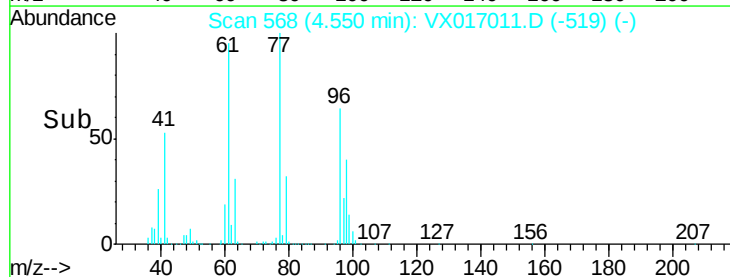
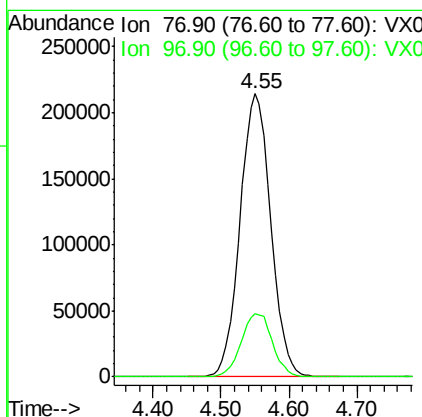
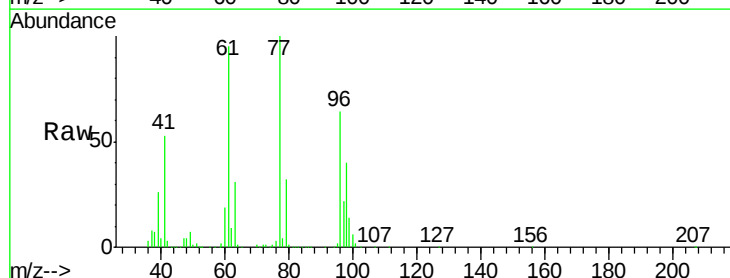
Manual Integrations
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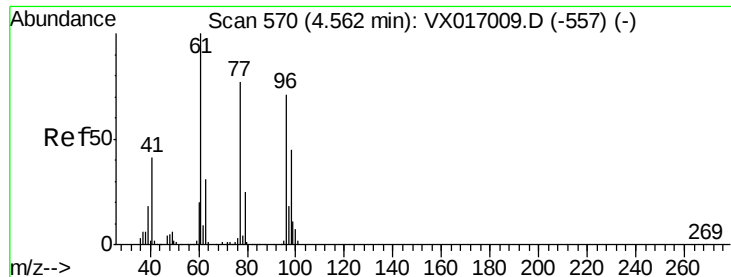
MMDadoda
6/30/2020 10:12:24 AM



#26
2,2-Dichloropropane
Concen: 144.665 ug/l
RT: 4.55 min Scan# 568
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion: 77 Resp: 672693
Ion Ratio Lower Upper
77 100
97 22.8 11.4 34.2





#27

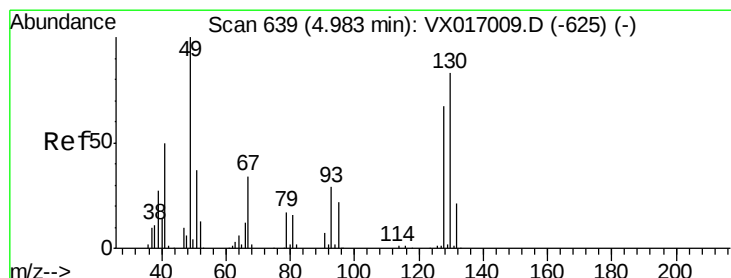
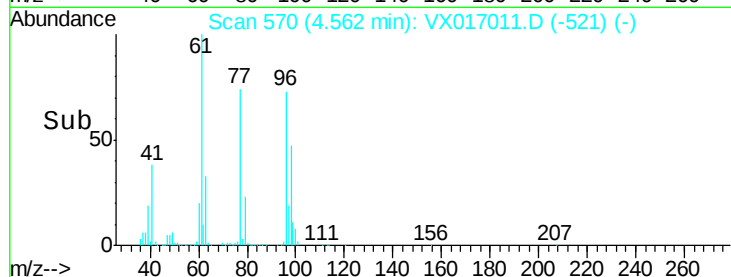
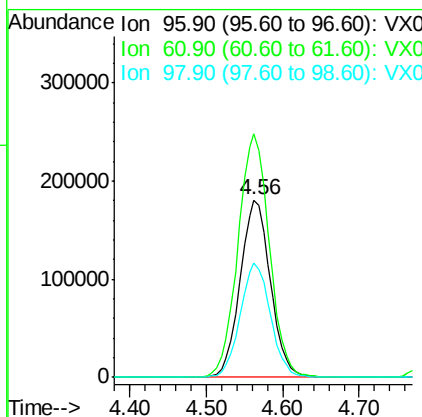
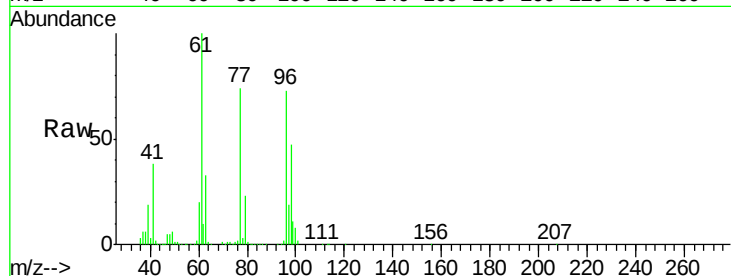
cis-1,2-Dichloroethene
Concen: 146.775 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	496612		
61	142.5	0.0	282.8	
98	64.7	0.0	127.6	

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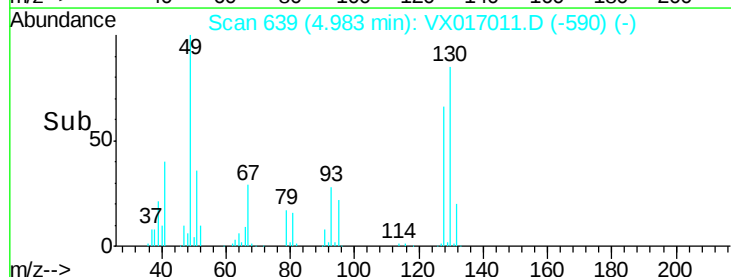
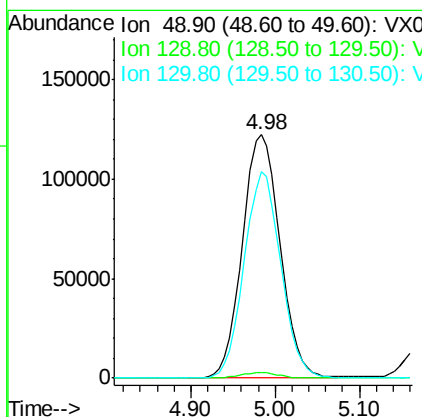
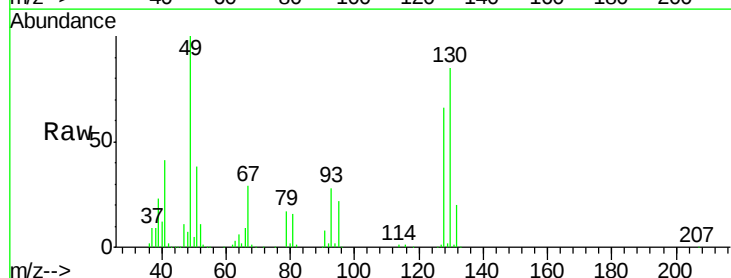
MMDadoda
6/30/2020 10:12:24 AM

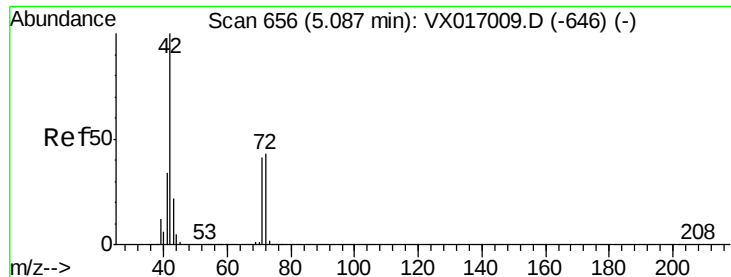


#28

Bromochloromethane
Concen: 146.060 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	372226		
129	2.3	0.0	4.2	
130	82.6	66.6	100.0	





#29

Tetrahydrofuran

Concen: 765.793 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 42 Resp: 1057491

Ion Ratio Lower Upper

42 100

72 44.5 35.3 52.9

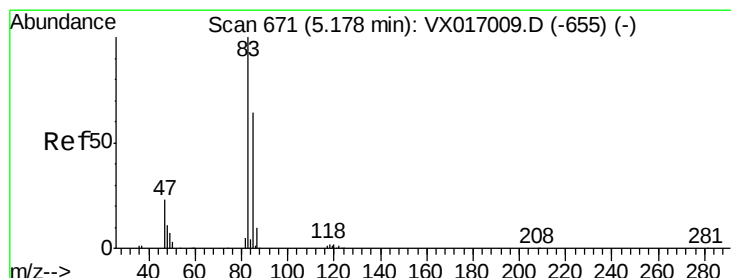
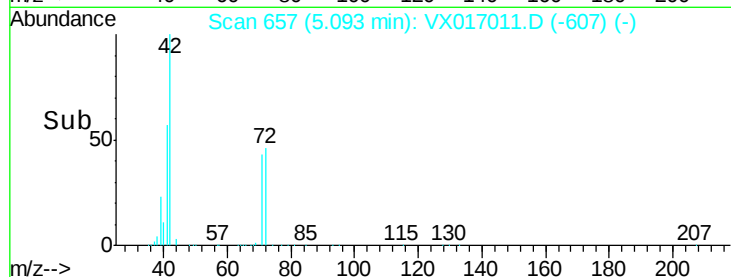
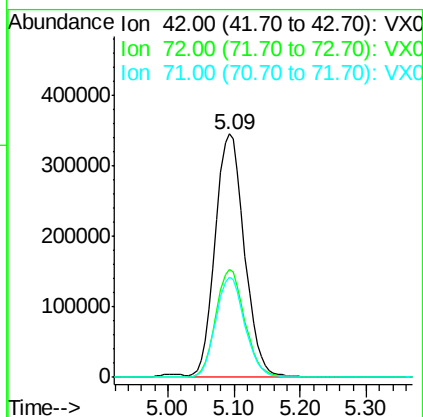
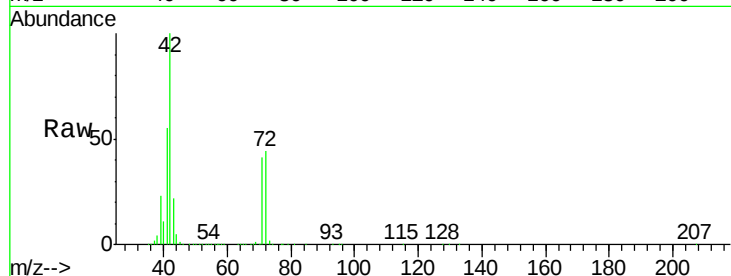
71 40.7 33.1 49.7

Manual Integrations

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#30

Chloroform

Concen: 147.100 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX017011.D

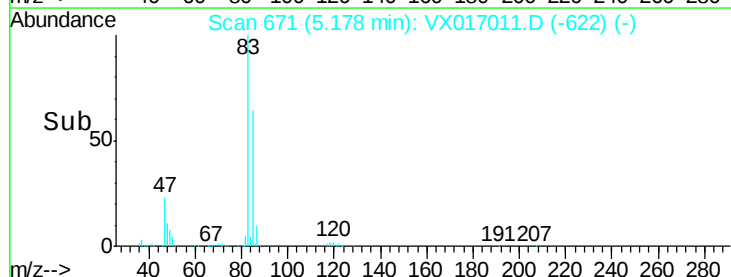
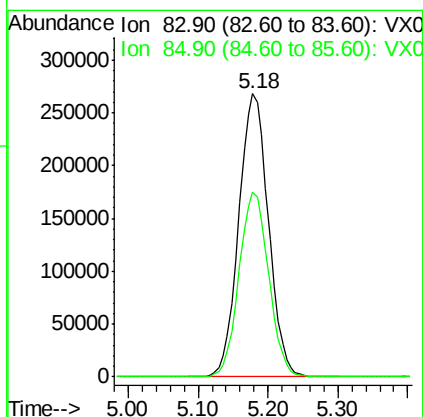
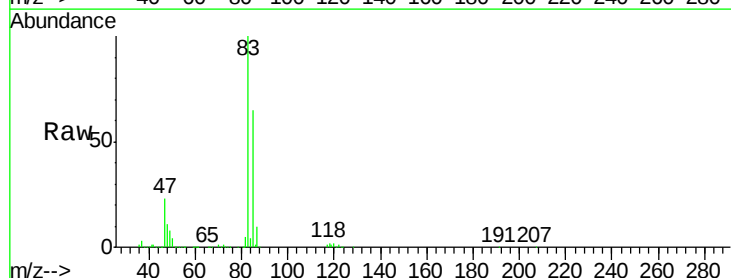
Acq: 29 Jun 2020 16:06

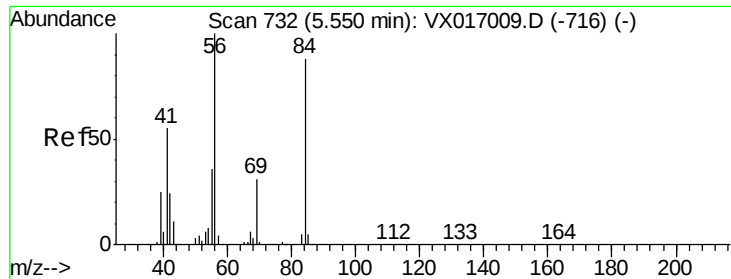
Tgt Ion: 83 Resp: 789706

Ion Ratio Lower Upper

83 100

85 65.1 51.4 77.2





#31

Cyclohexane

Concen: 155.568 ug/l

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

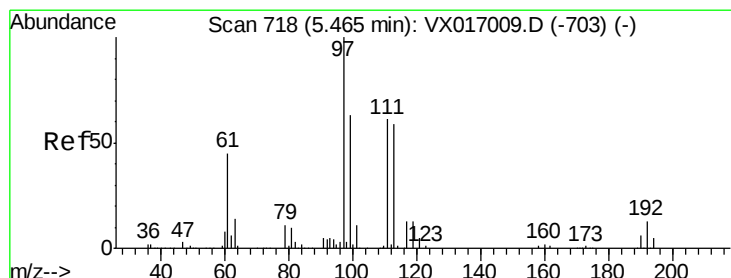
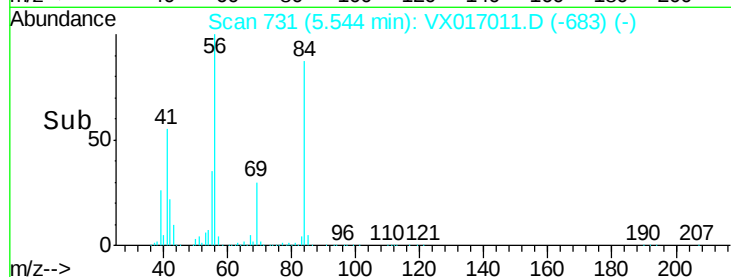
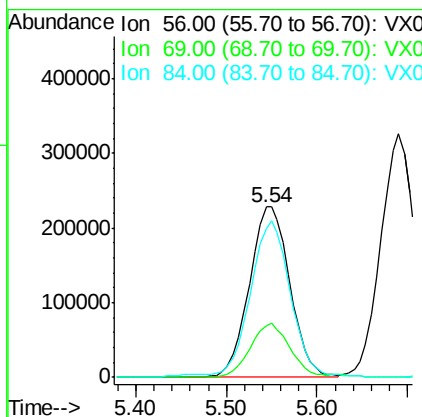
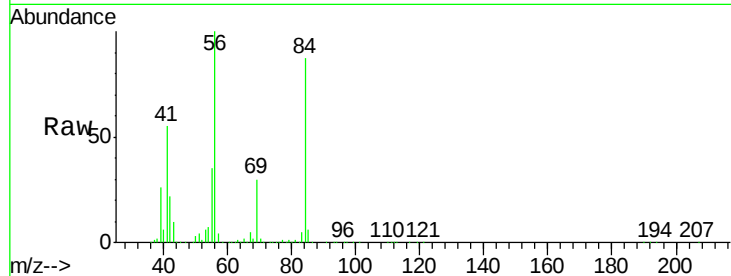
ClientSampled :

VSTDIC150

Tot Ion:	56	Resp:	704219
Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.0	37.4
84	86.1	69.1	103.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 148.881 ug/l

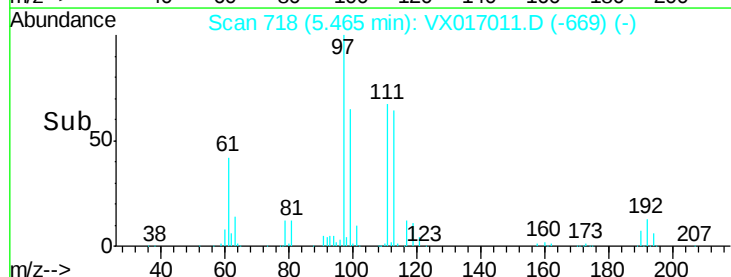
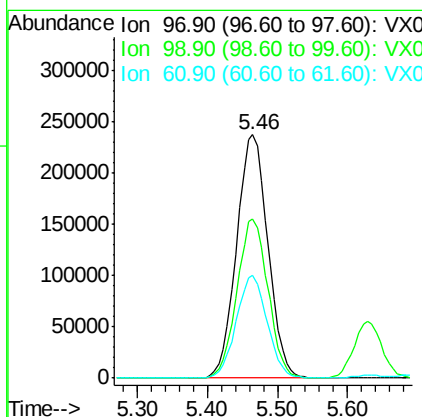
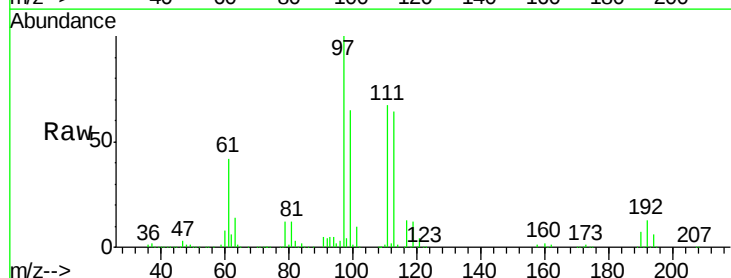
RT: 5.46 min Scan# 718

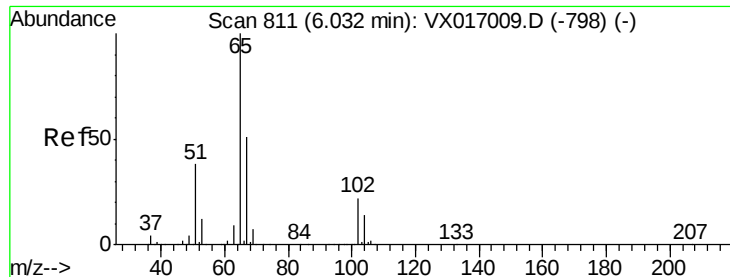
Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Tgt Ion:	97	Resp:	736090
Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.8	76.2
61	41.8	33.7	50.5





#33

1,2-Dichloroethane-d4

Concen: 159.862 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 536009

Ion Ratio Lower Upper

65 100

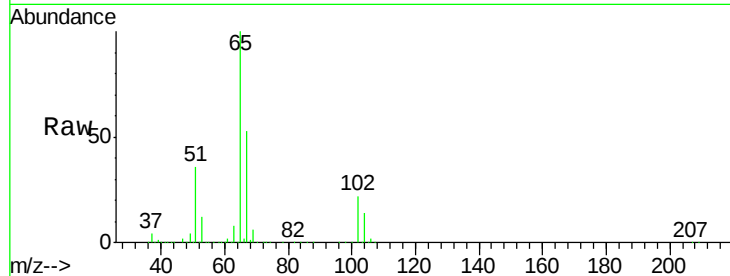
67 52.2 0.0 103.8

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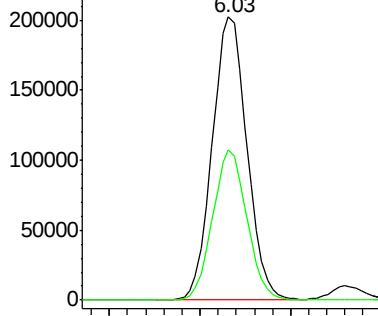
MMDadoda

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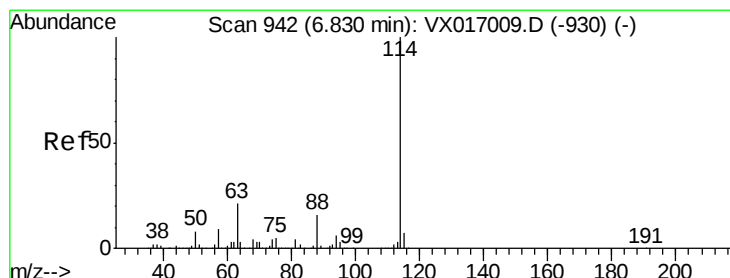
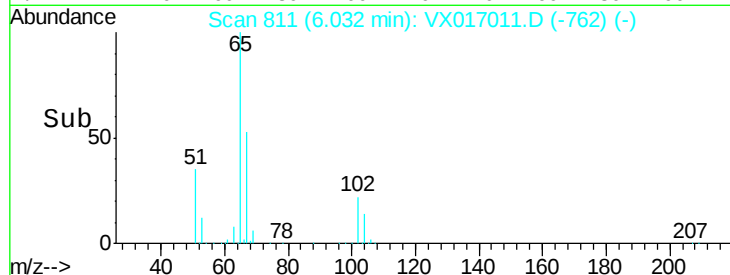


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

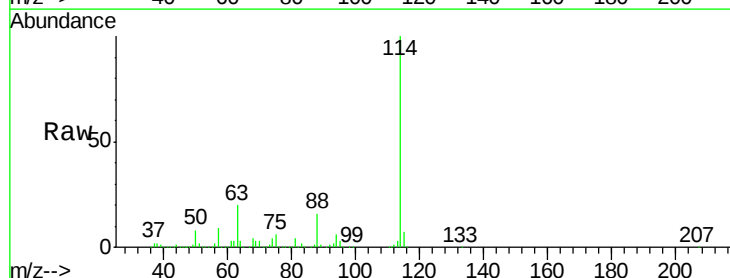
Tgt Ion: 114 Resp: 442208

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

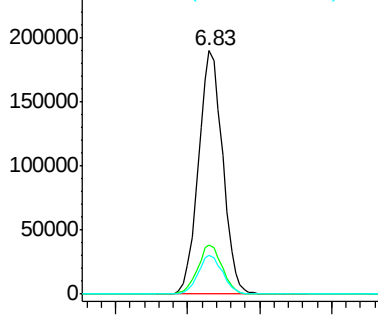
88 16.1 0.0 32.4



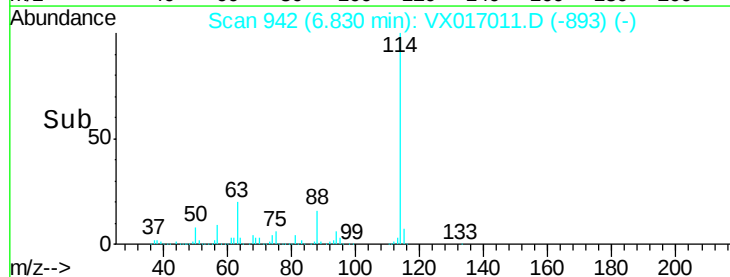
Abundance Ion 113.90 (113.60 to 114.60): V

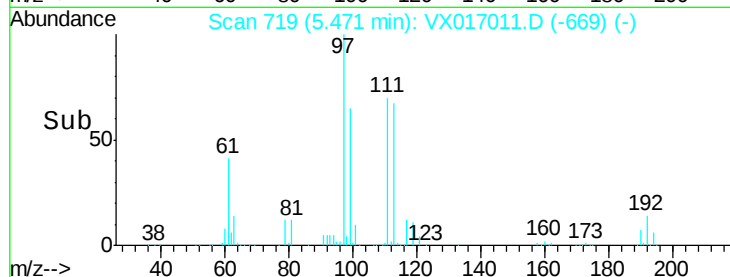
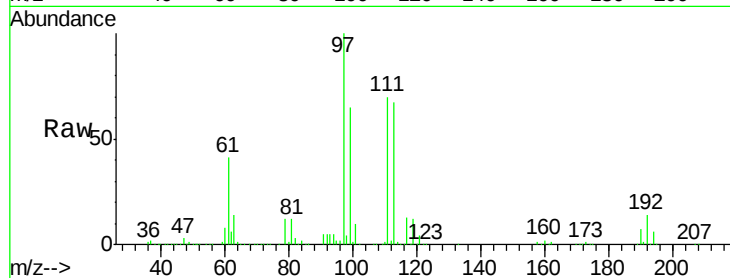
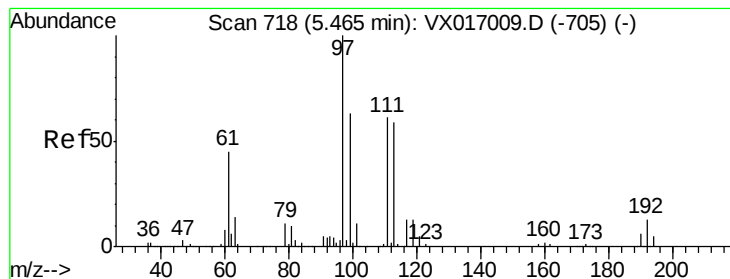
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



Time-->





#35

Dibromofluoromethane

Concen: 157.294 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017011.D

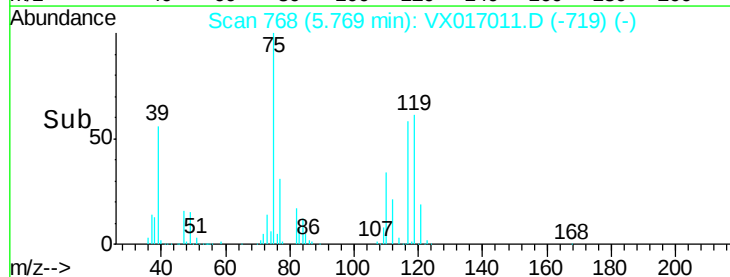
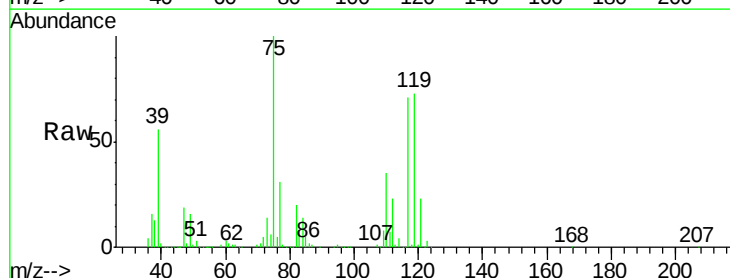
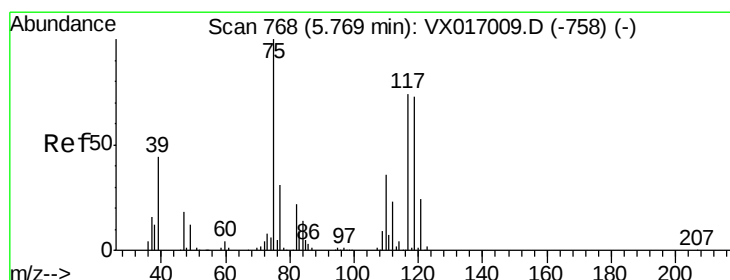
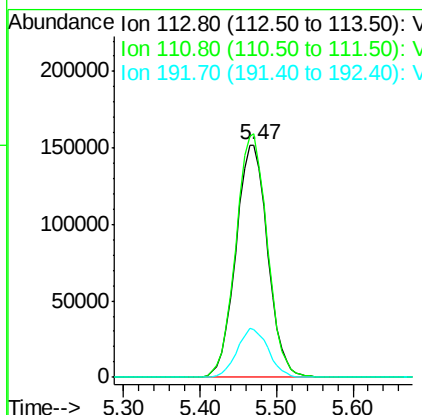
Acq: 29 Jun 2020 16:06

Tot Ion:	113	Resp:	439994
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.9	122.9
192	20.7	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

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#36

1,1-Dichloropropene

Concen: 147.940 ug/l

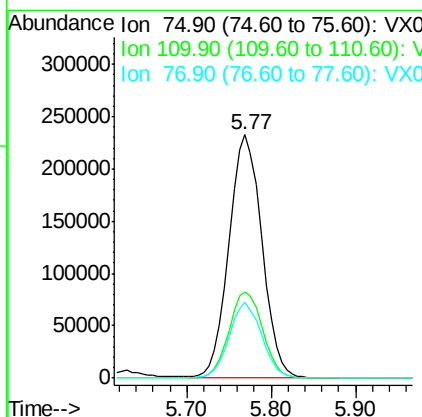
RT: 5.77 min Scan# 768

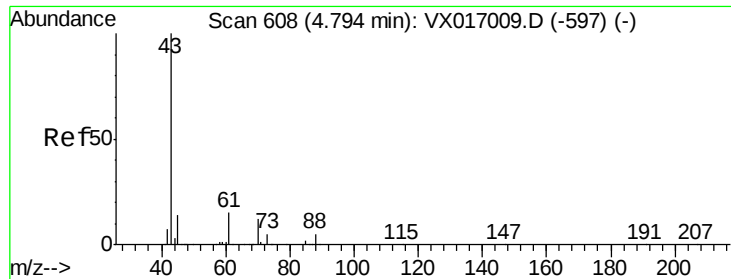
Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Tgt Ion:	75	Resp:	618300
Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.1	54.1
77	30.6	24.6	37.0





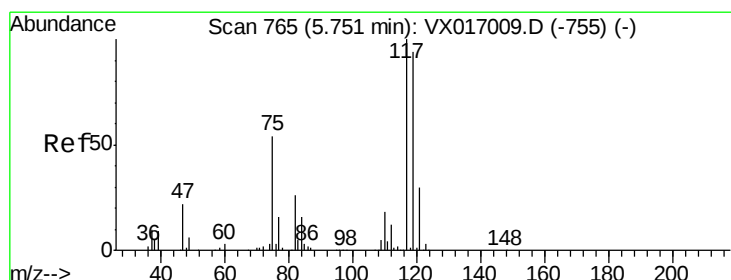
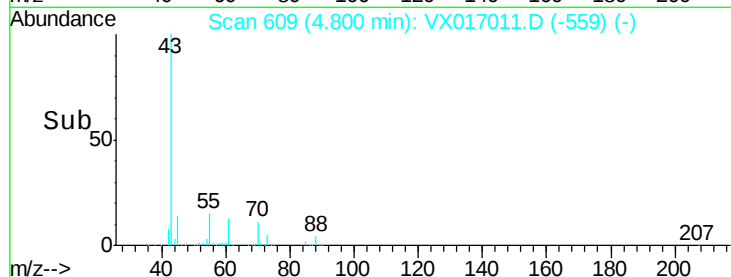
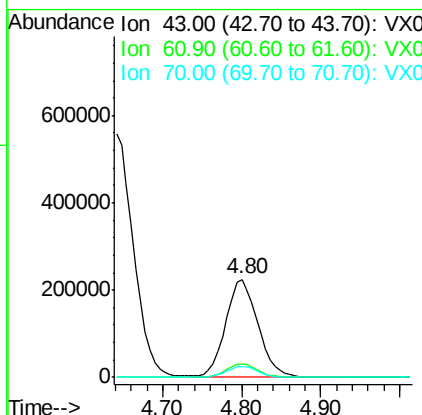
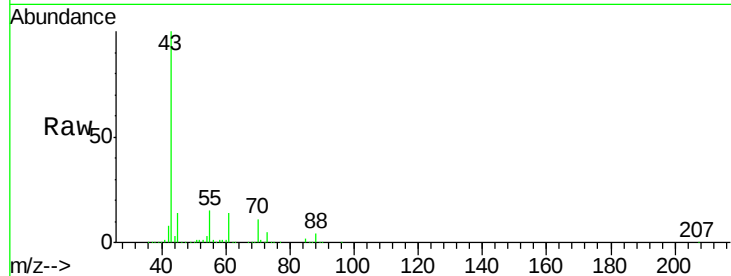
#37
Ethyl Acetate
Concen: 151.050 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	10.9	8.9	13.3

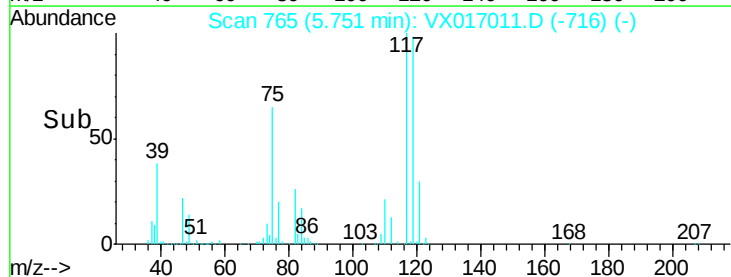
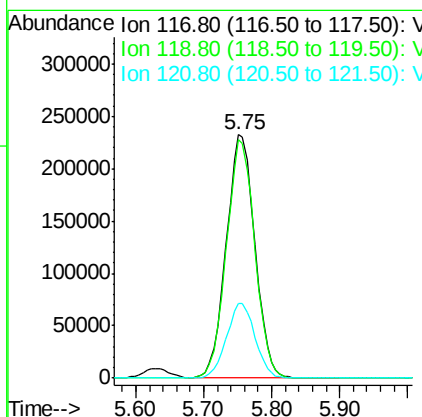
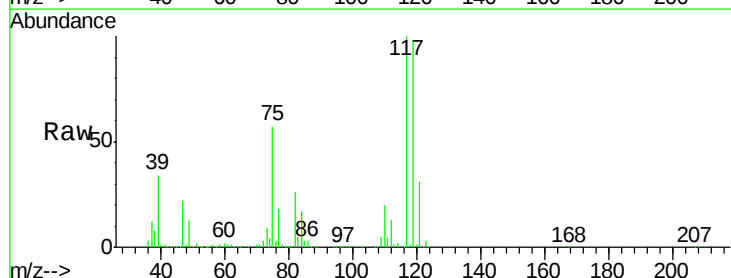
Manual Integrations
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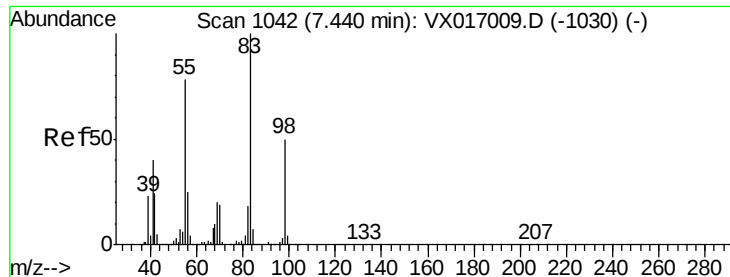
MMDadoda
6/30/2020 10:12:24 AM



#38
Carbon Tetrachloride
Concen: 147.150 ug/l
RT: 5.75 min Scan# 765
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.4	113.0
121	30.5	23.8	35.6





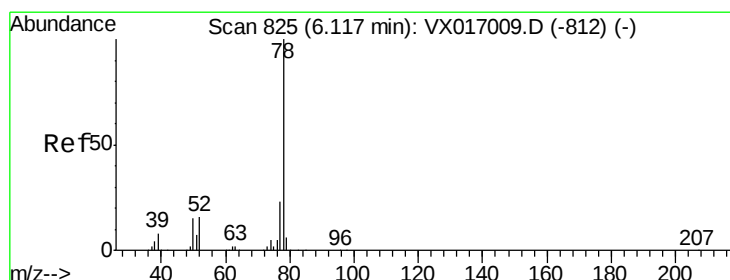
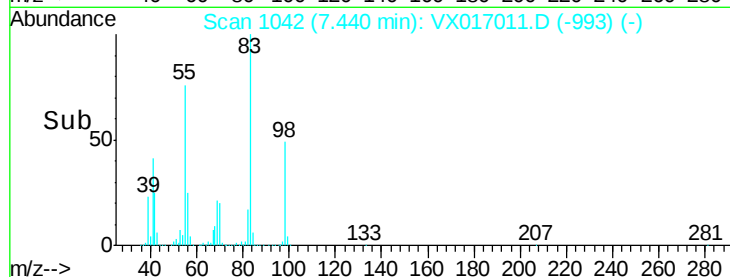
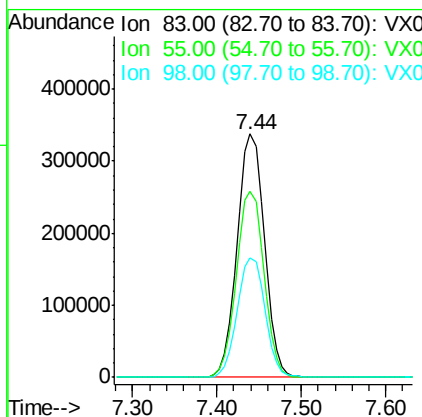
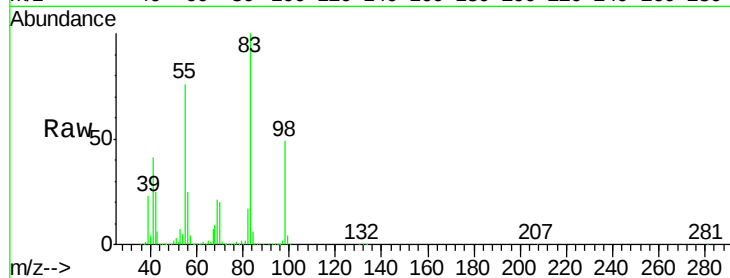
#39
Methvlcvclohexane
Concen: 158.665 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	62.5	93.7
98	49.0	40.1	60.1

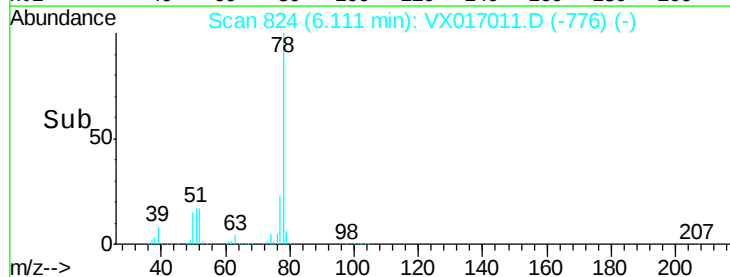
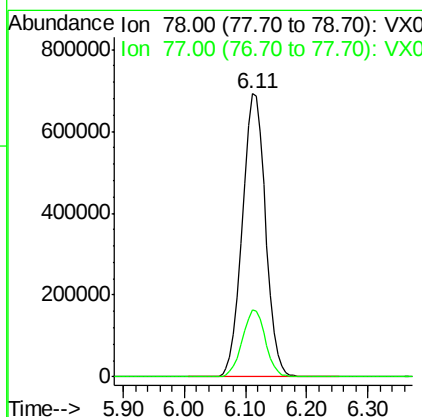
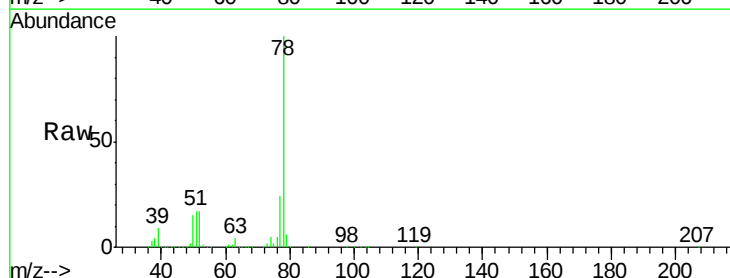
Manual Integrations
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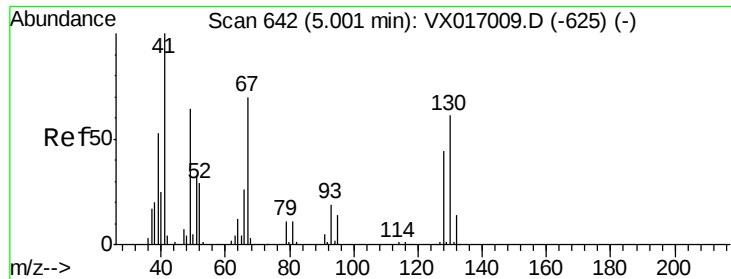
MMDadoda
6/30/2020 10:12:24 AM



#40
Benzene
Concen: 148.077 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.3	27.5





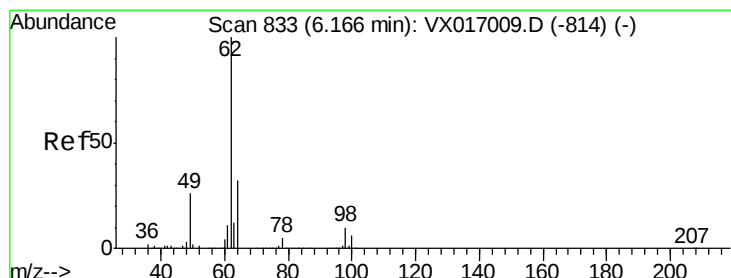
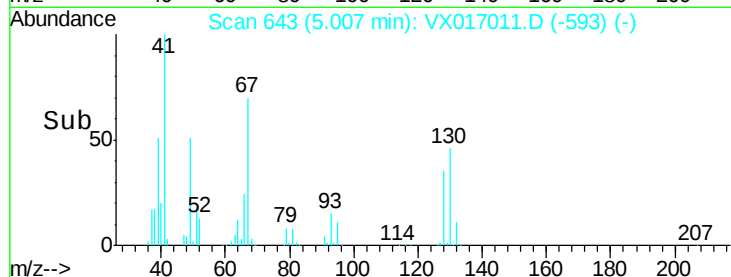
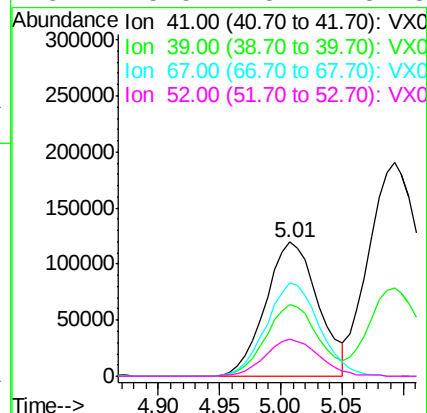
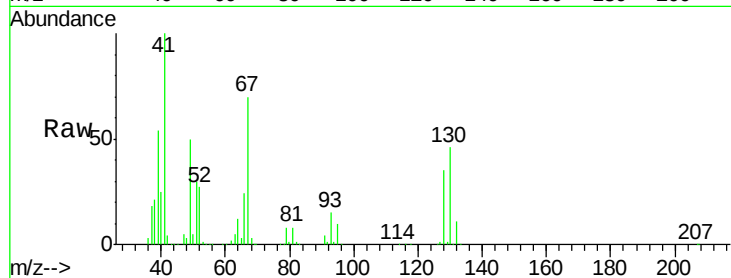
#41
Methacrylonitrile
Concen: 150.325 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.1	44.4	66.6
67	70.4	57.1	85.7
52	28.5	23.2	34.8

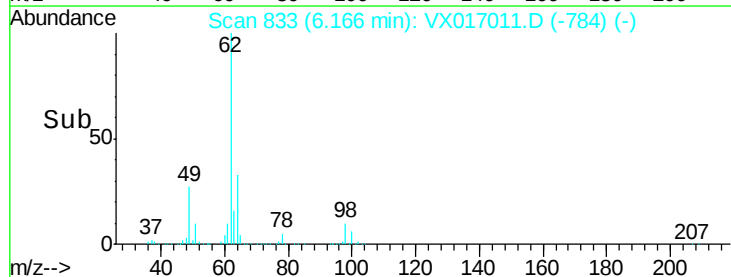
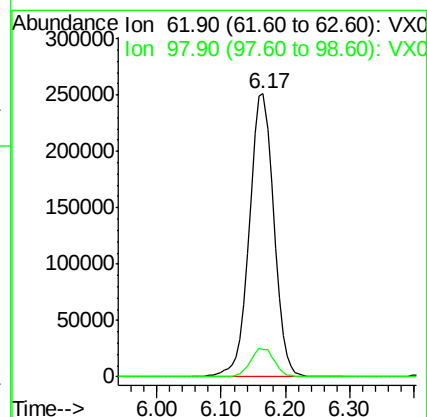
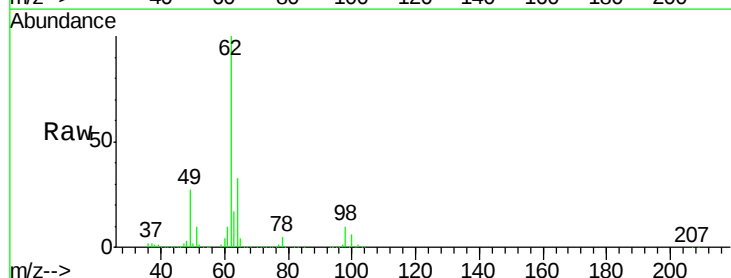
Manual Integrations
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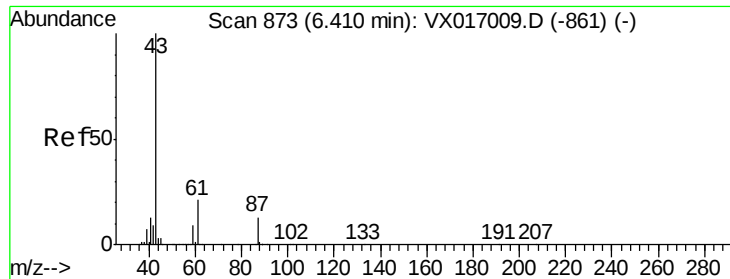
MMDadoda
6/30/2020 10:12:24 AM



#42
1,2-Dichloroethane
Concen: 147.371 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.2





#43

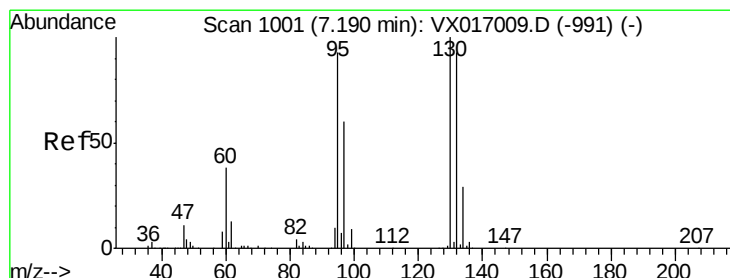
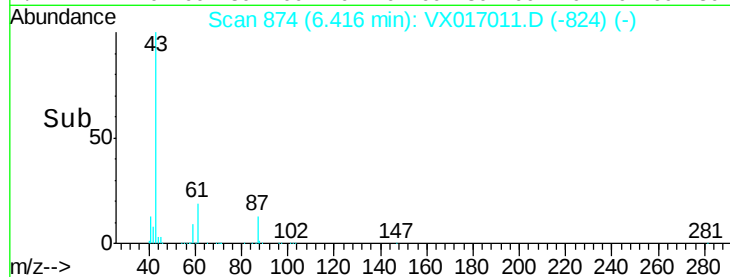
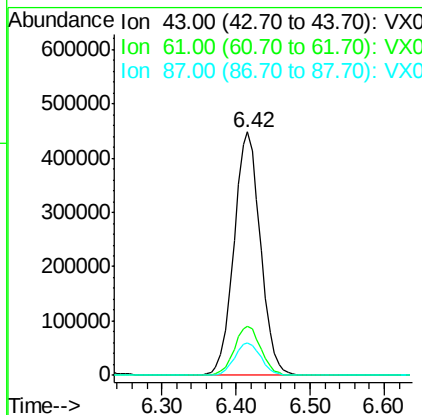
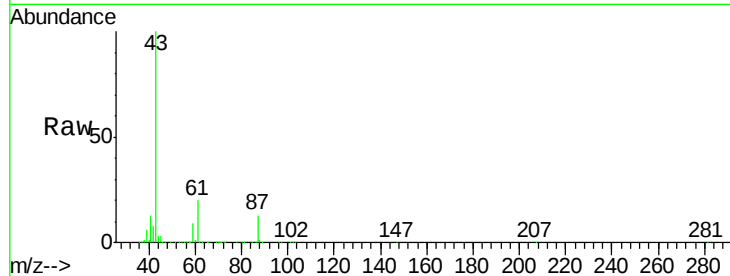
Isopropyl Acetate
 Concen: 157.541 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VX017011.D
 Acq: 29 Jun 2020 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.2	24.2
87	13.5	10.7	16.1

Manual Integrations
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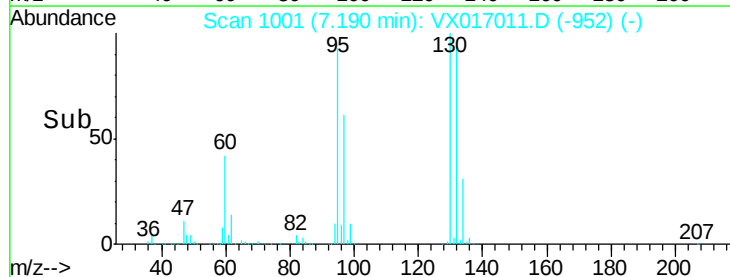
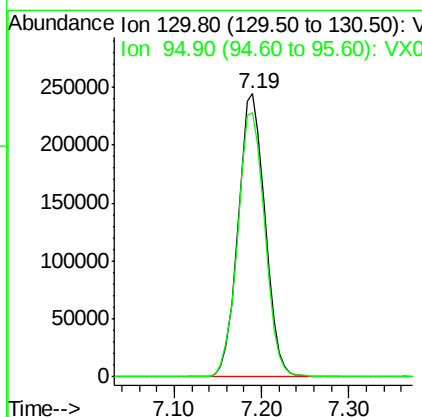
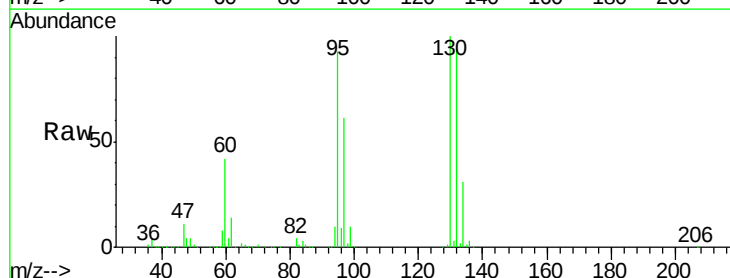
MMDadoda
 6/30/2020 10:12:24 AM



#44

Trichloroethene
 Concen: 141.335 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX017011.D
 Acq: 29 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	185.0





#45

1,2-Dichloropropane

Concen: 150.116 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 473460

Ion Ratio Lower Upper

63 100

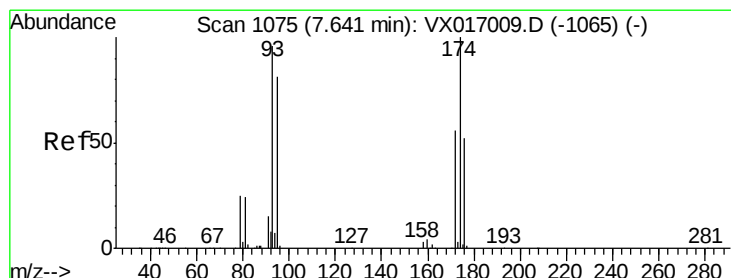
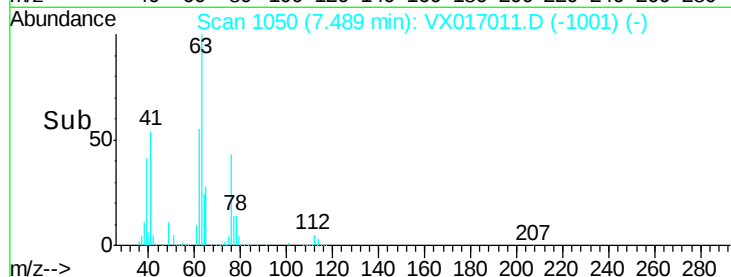
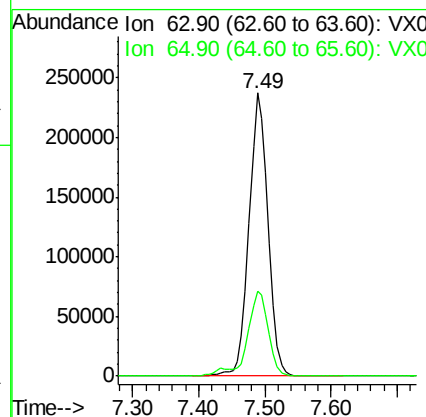
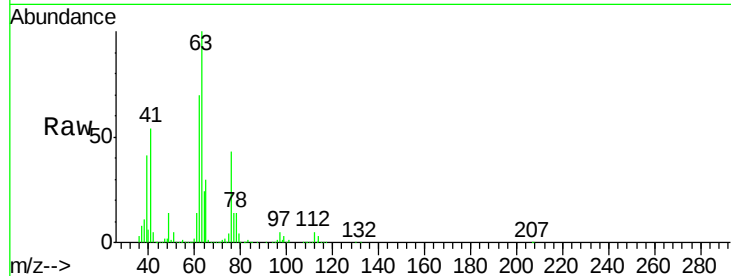
65 29.9 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 150.774 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

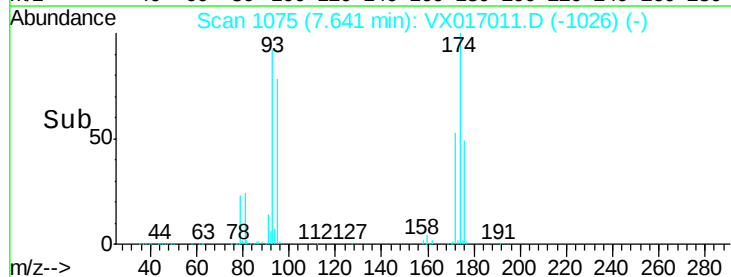
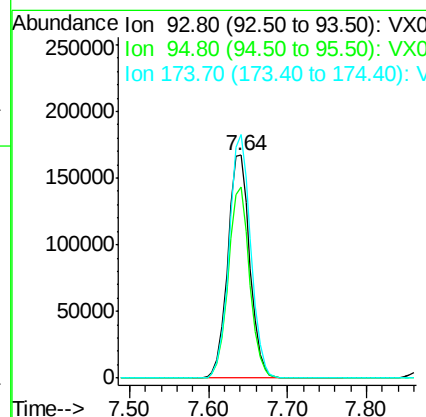
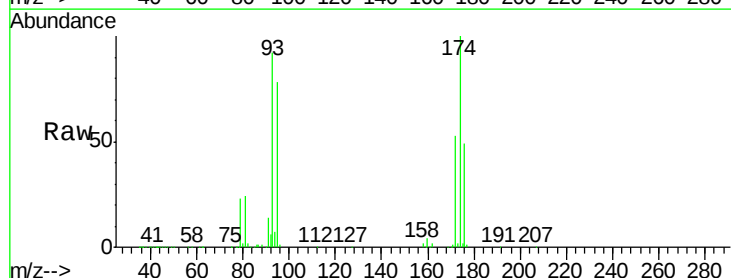
Tgt Ion: 93 Resp: 324659

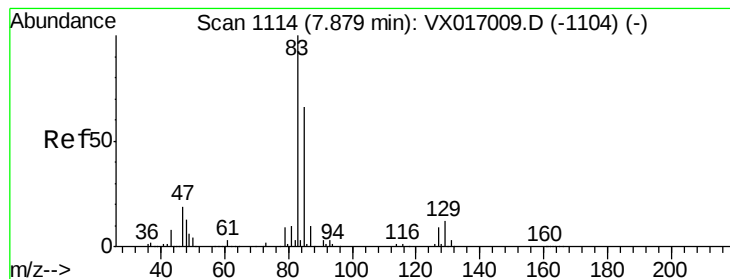
Ion Ratio Lower Upper

93 100

95 83.3 67.4 101.0

174 106.9 84.3 126.5





#47

Bromodichloromethane

Concen: 152.466 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

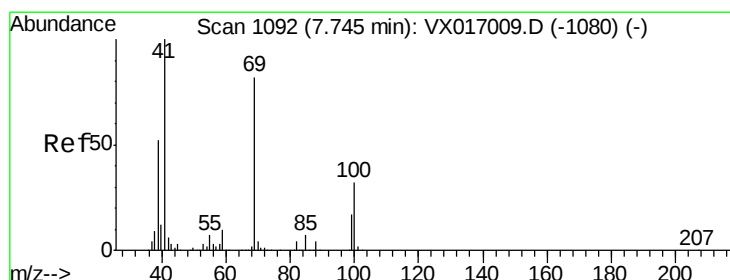
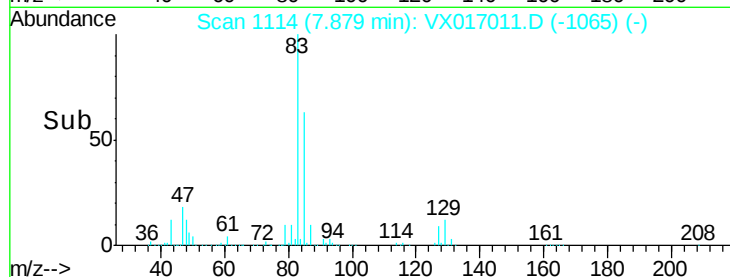
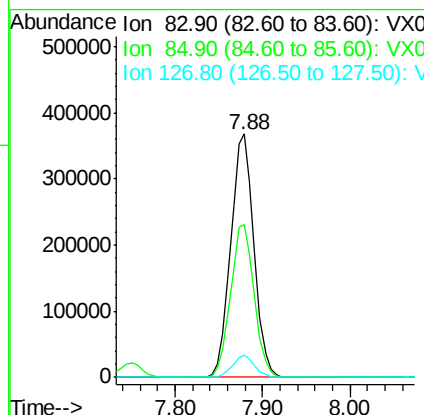
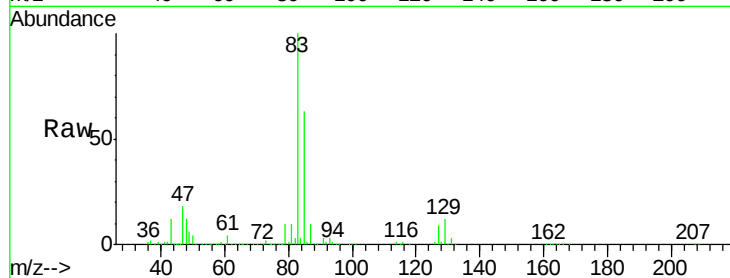
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	676569
Ion	Ratio	Lower	Upper
83	100		
85	63.0	53.0	79.4
127	9.0	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 166.482 ug/l

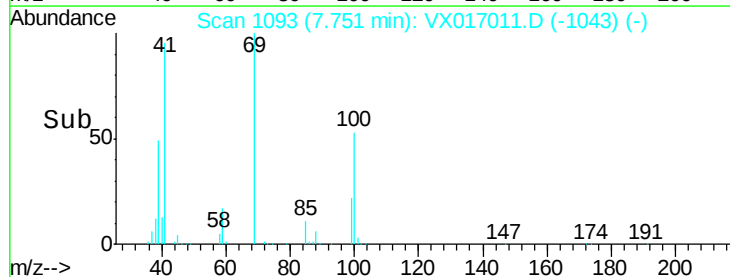
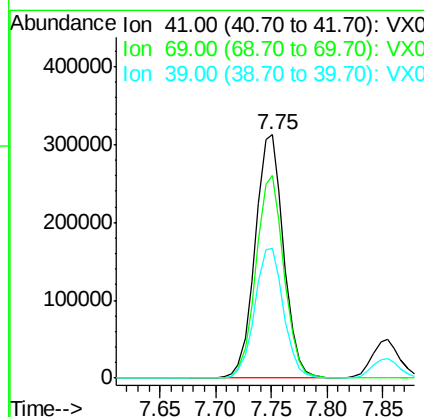
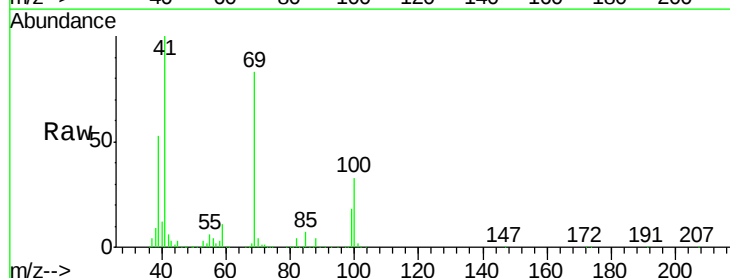
RT: 7.75 min Scan# 1093

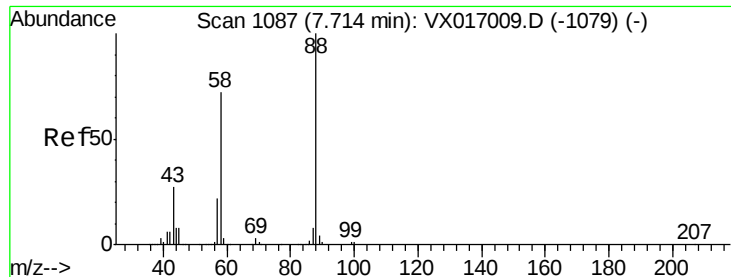
Delta R.T. 0.01 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Tgt Ion:	41	Resp:	557335
Ion	Ratio	Lower	Upper
41	100		
69	82.2	65.8	98.8
39	53.8	42.5	63.7





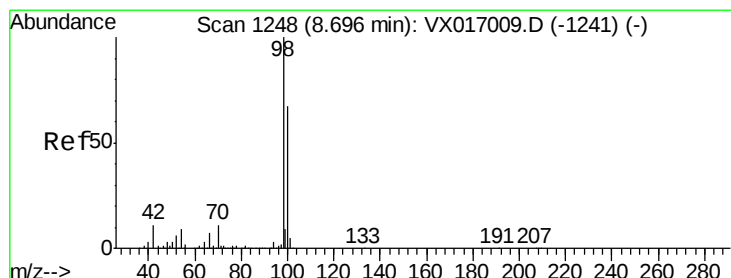
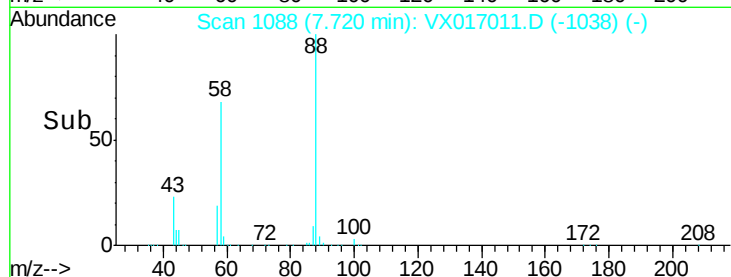
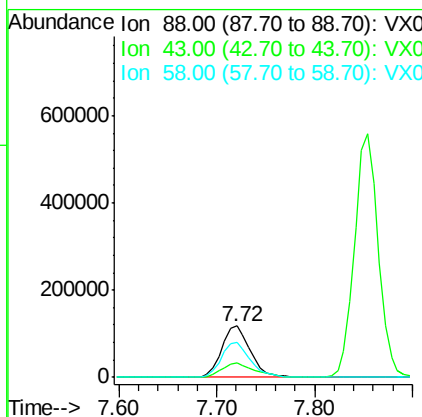
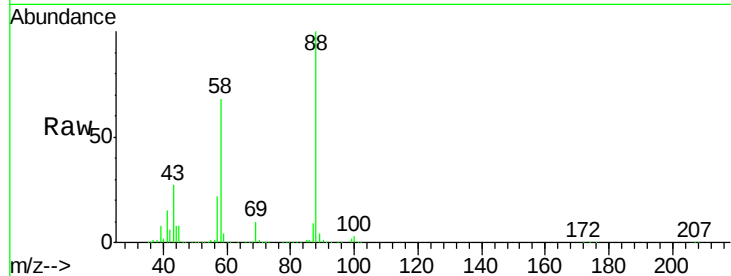
#49
1,4-Dioxane
Concen: 3128.600 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	25.8	38.8
58	70.0	54.8	82.2

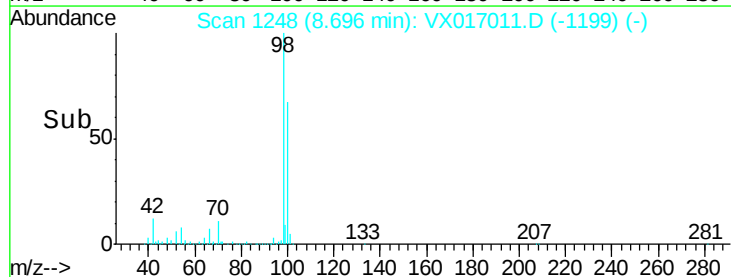
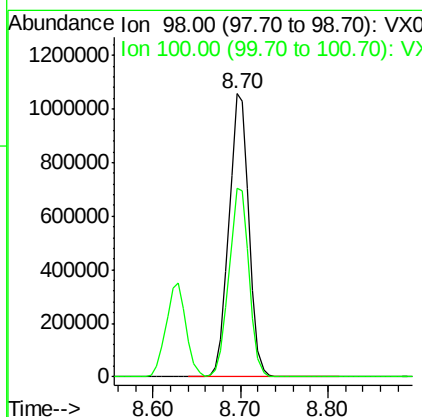
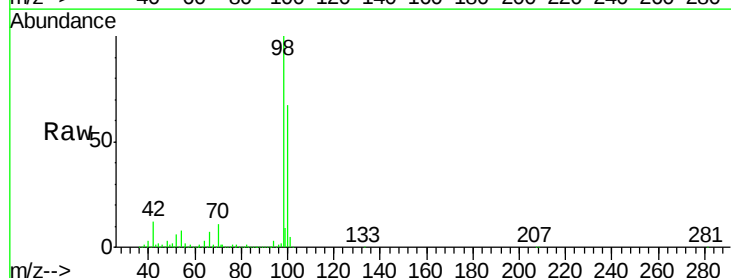
Manual Integrations
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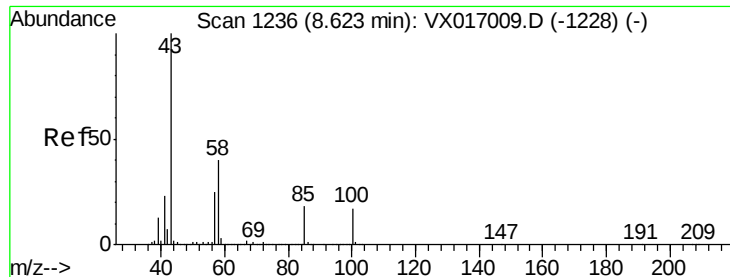
MMDadoda
6/30/2020 10:12:24 AM



#50
Toluene-d8
Concen: 161.840 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.8	80.6





#51

4-Methyl-2-Pentanone

Concen: 799.525 ug/l

RT: 8.63 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3358291

Ion Ratio Lower Upper

43 100

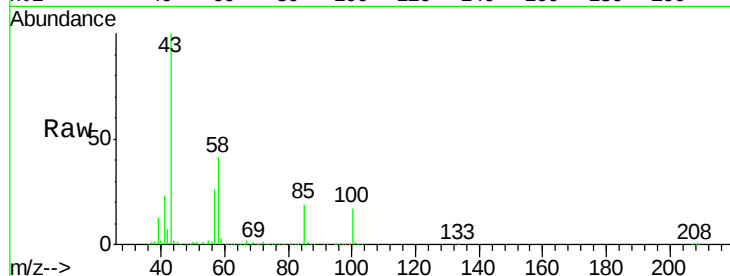
58 40.2 31.9 47.9

Manual Integrations

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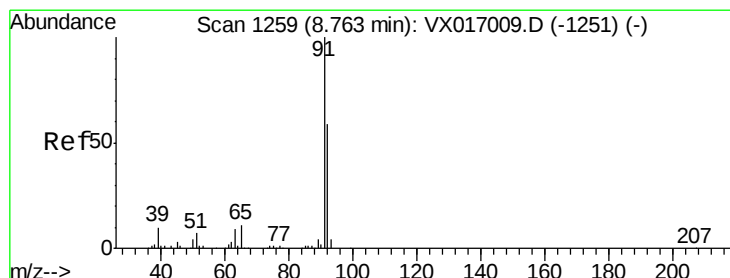
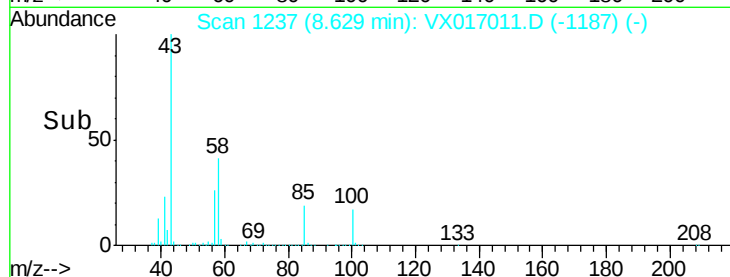
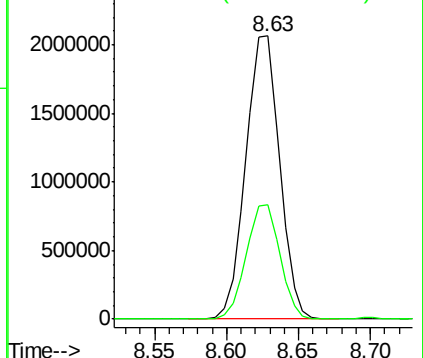
MMDadoda

6/30/2020 10:12:24 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 152.969 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017011.D

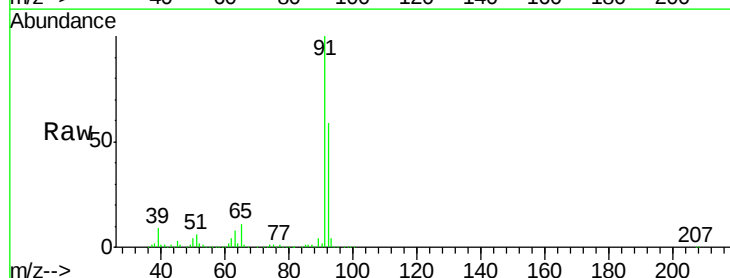
Acq: 29 Jun 2020 16:06

Tgt Ion: 92 Resp: 1172783

Ion Ratio Lower Upper

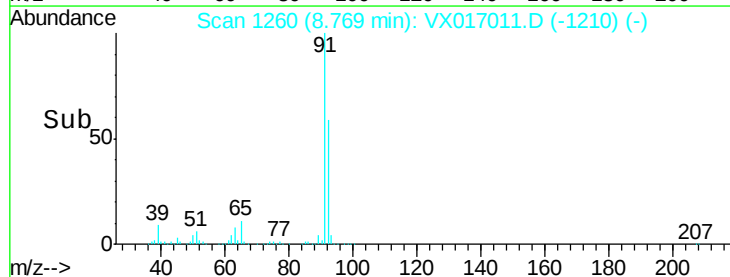
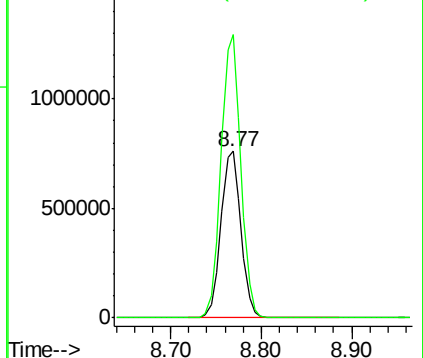
92 100

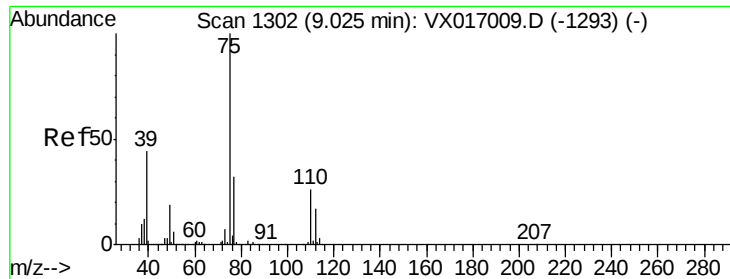
91 168.2 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





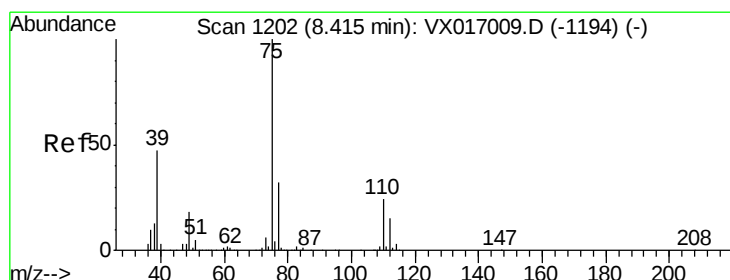
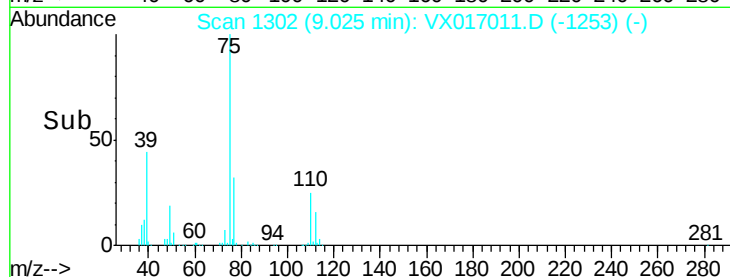
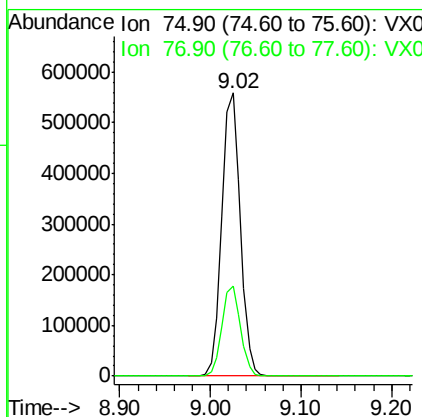
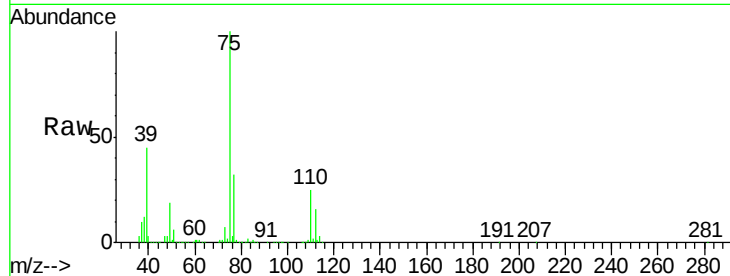
#53
t-1,3-Dichloropropene
Concen: 162.595 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 796074
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4

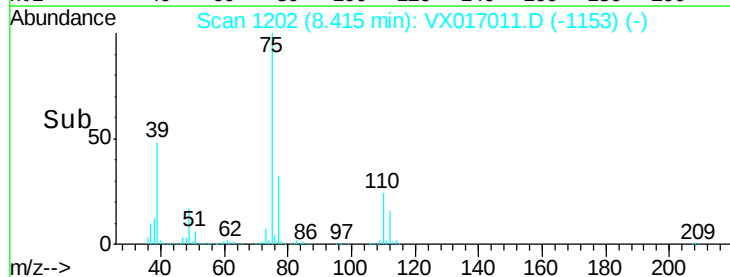
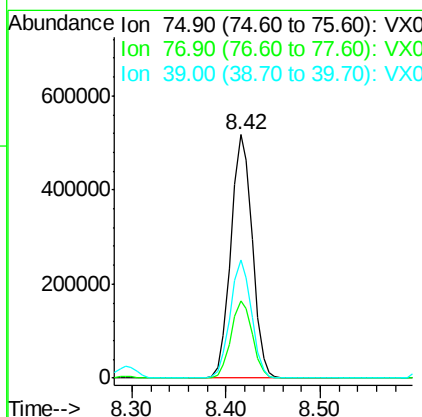
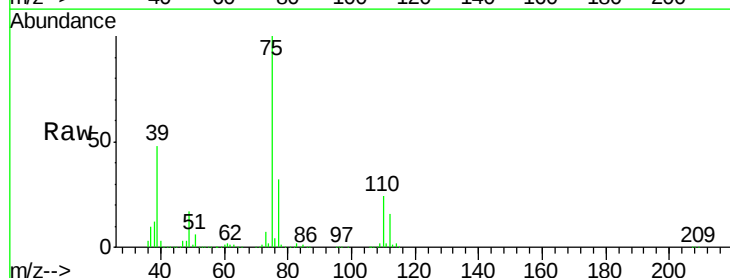
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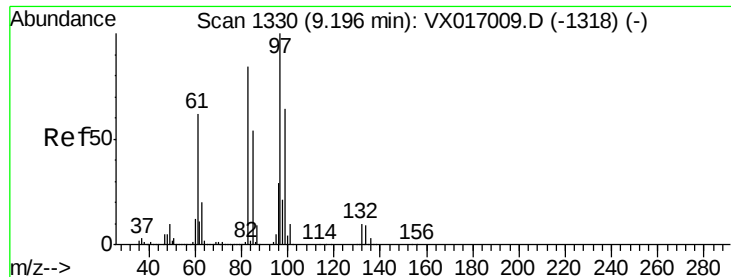
MMDadoda
6/30/2020 10:12:24 AM



#54
cis-1,3-Dichloropropene
Concen: 155.556 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion: 75 Resp: 816439
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8
39 48.4 37.4 56.2





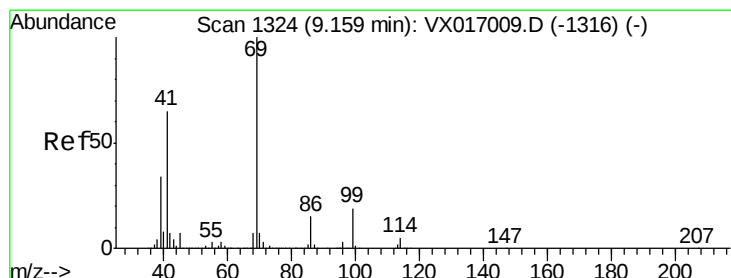
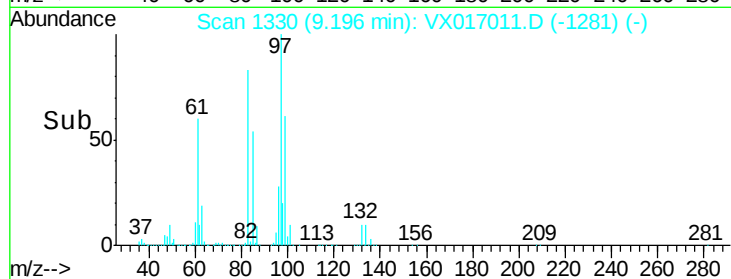
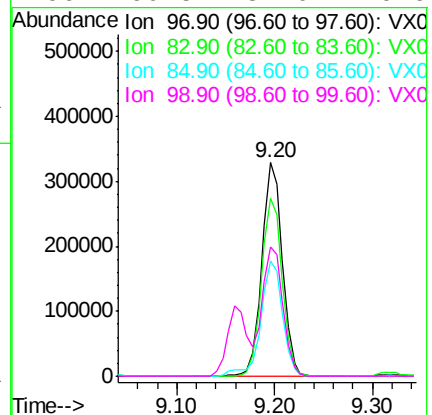
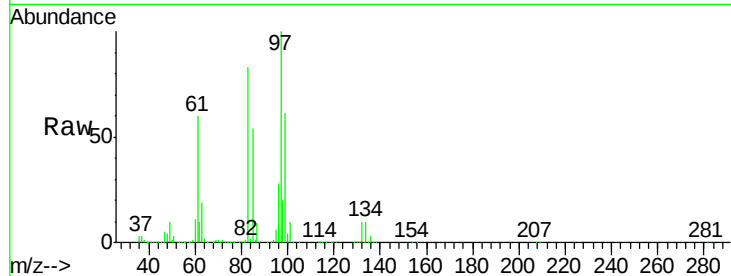
#55
 1,1,2-Trichloroethane
 Concen: 152.307 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017011.D
 Acq: 29 Jun 2020 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		477092		
83	83.5	67.0	100.6		
85	53.7	43.5	65.3		
99	60.5	51.0	76.6		

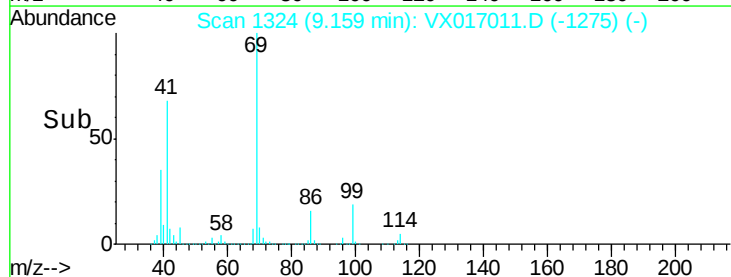
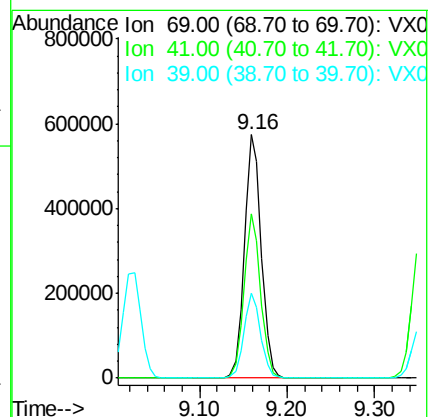
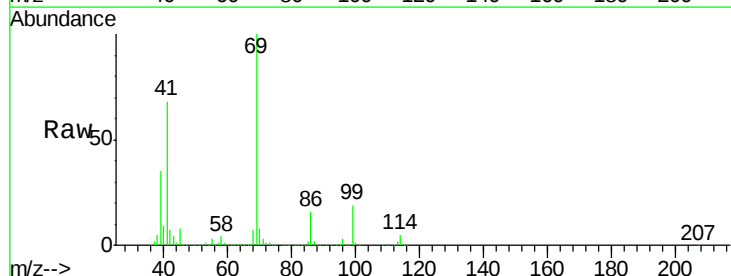
Manual Integrations
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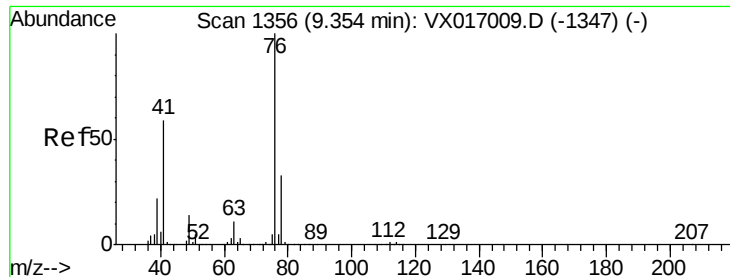
MMDadoda
 6/30/2020 10:12:24 AM



#56
 Ethyl methacrylate
 Concen: 173.057 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX017011.D
 Acq: 29 Jun 2020 16:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		771575		
41	66.6	53.6	80.4		
39	34.5	28.2	42.2		





#57

1,3-Dichloropropane

Concen: 151.436 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 802669

Ion Ratio Lower Upper

76 100

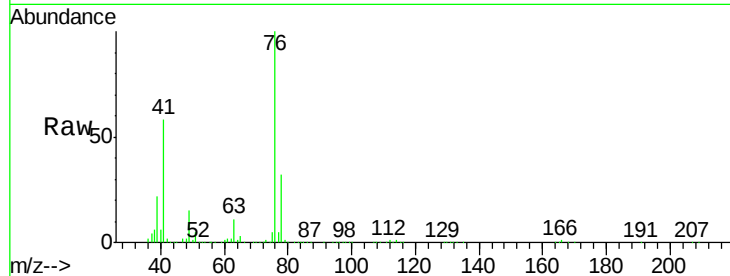
78 32.4 25.9 38.9

Manual Integrations

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MMDadoda

6/30/2020 10:12:24 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

600000

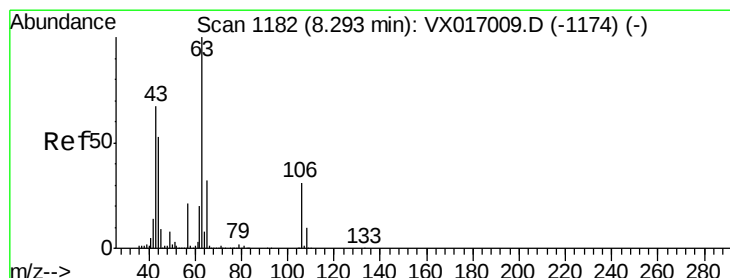
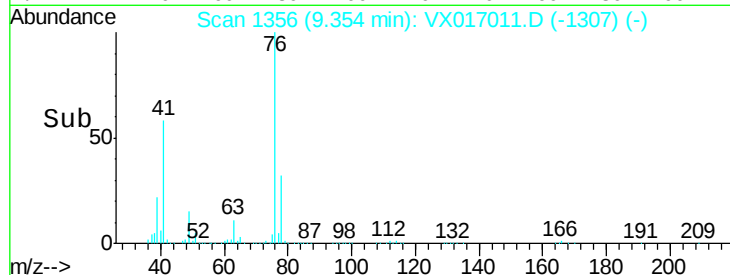
400000

200000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 858.429 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017011.D

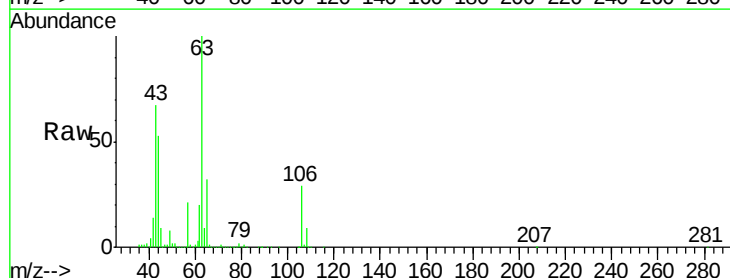
Acq: 29 Jun 2020 16:06

Tgt Ion: 63 Resp: 1904806

Ion Ratio Lower Upper

63 100

106 29.7 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

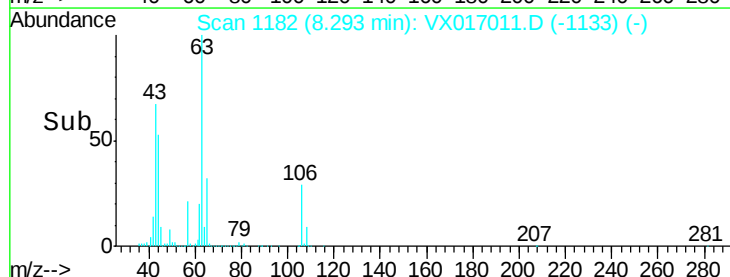
1000000

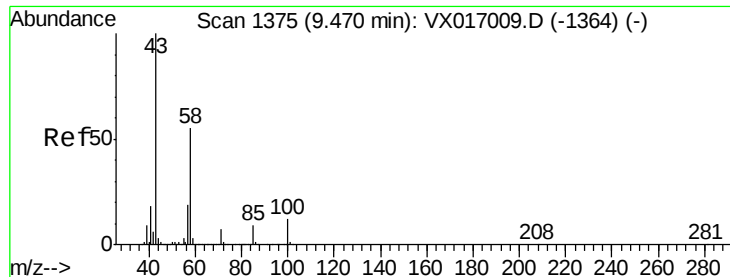
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0

8.20 8.30 8.40

Time-->





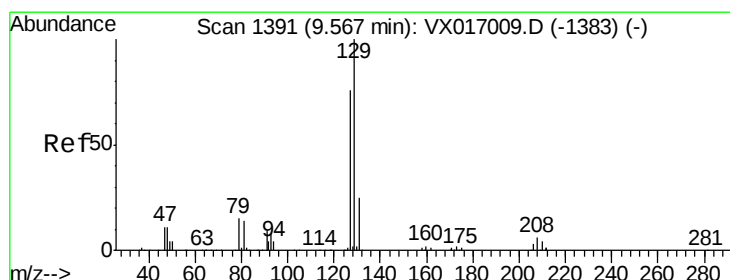
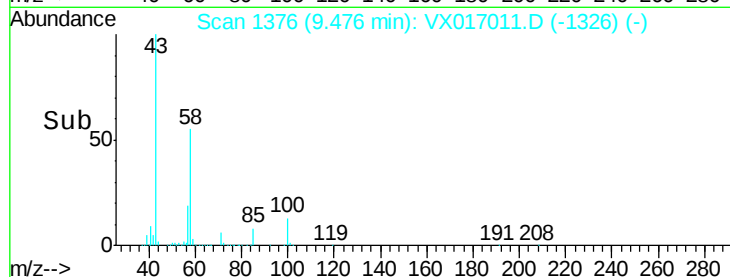
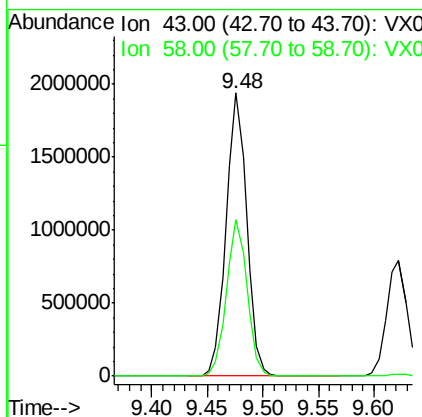
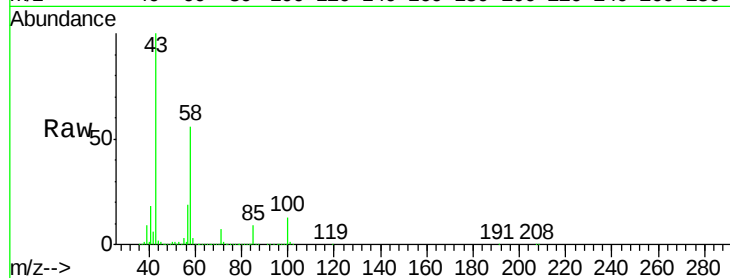
#59
2-Hexanone
Concen: 811.064 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2488072
Ion Ratio Lower Upper
43 100
58 55.4 27.9 83.6

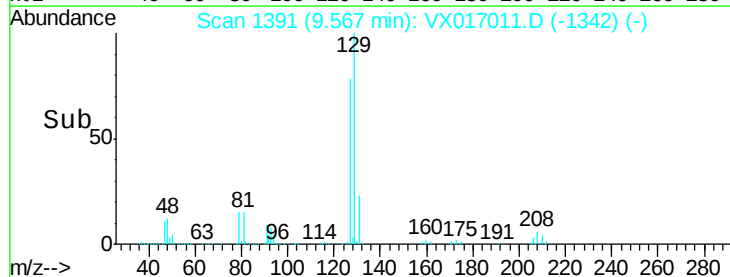
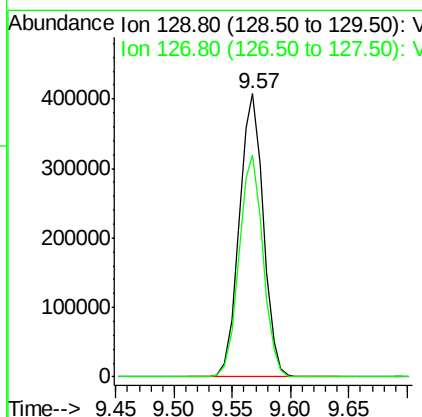
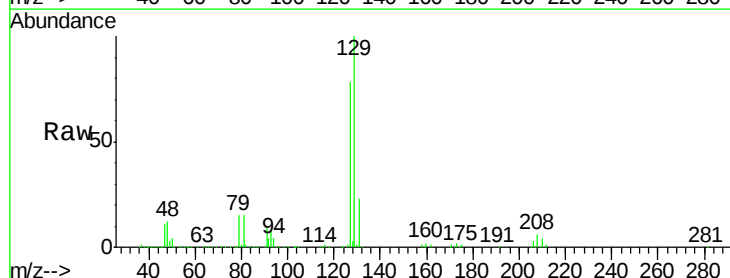
Manual Integrations
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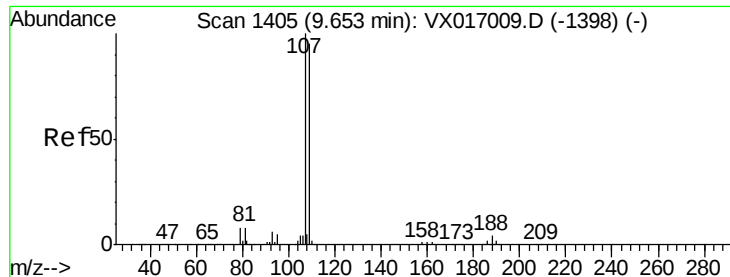
MMDadoda
6/30/2020 10:12:24 AM



#60
Dibromochloromethane
Concen: 161.171 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion: 129 Resp: 586372
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 156.576 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 527197

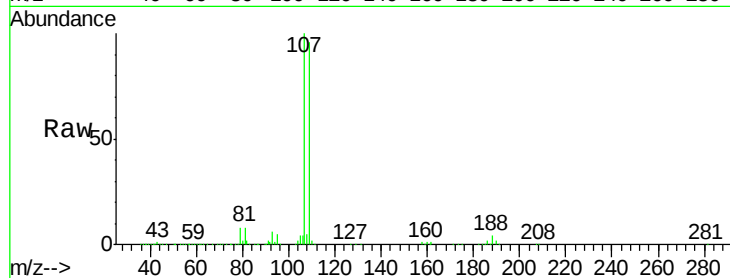
Ion Ratio Lower Upper

107 100

109 94.6 75.8 113.8

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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

400000

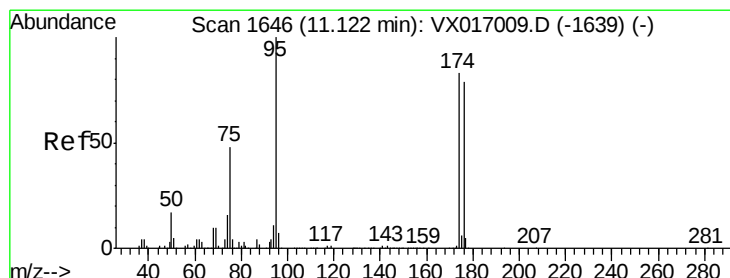
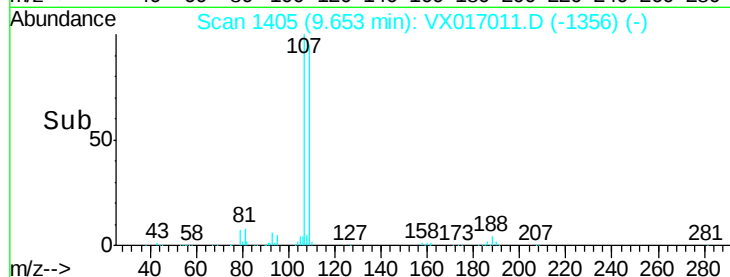
300000

200000

100000

0

Time--> 9.55 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 169.620 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

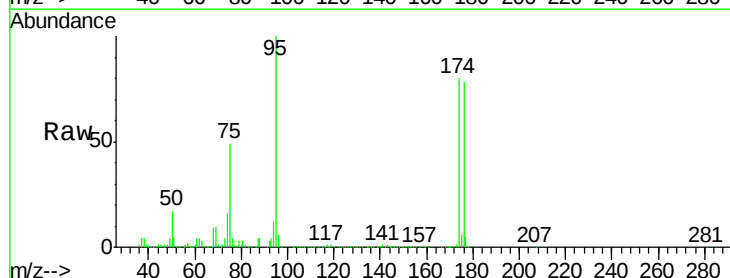
Tgt Ion: 95 Resp: 685857

Ion Ratio Lower Upper

95 100

174 79.7 0.0 164.0

176 77.7 0.0 157.6



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

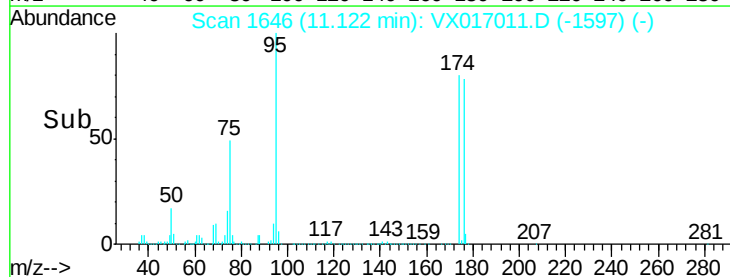
600000

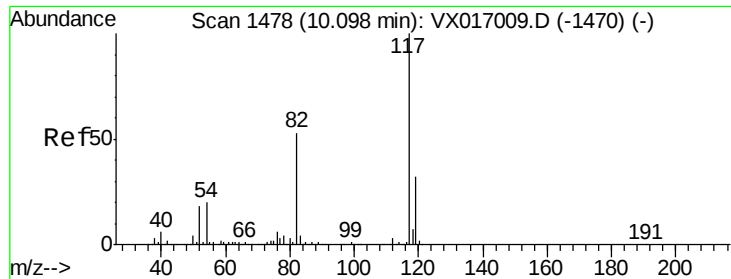
400000

200000

0

Time--> 11.10 11.20





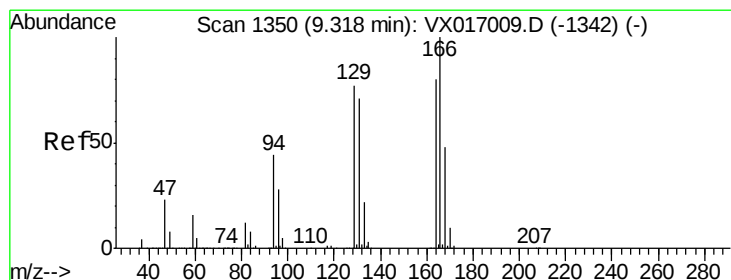
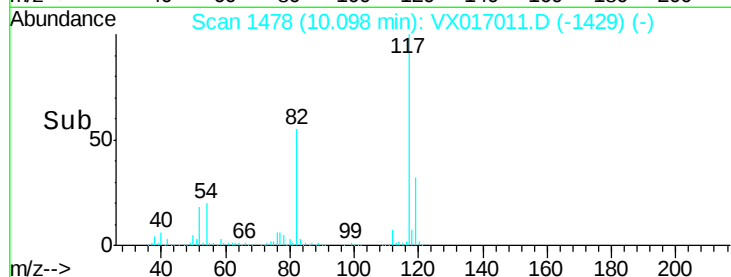
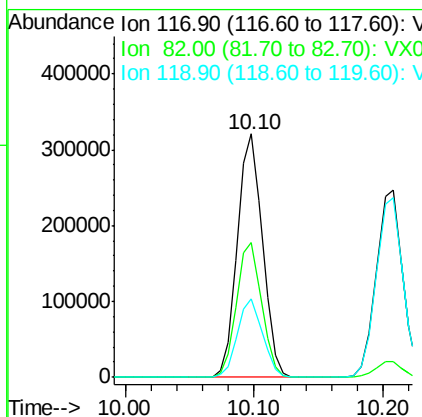
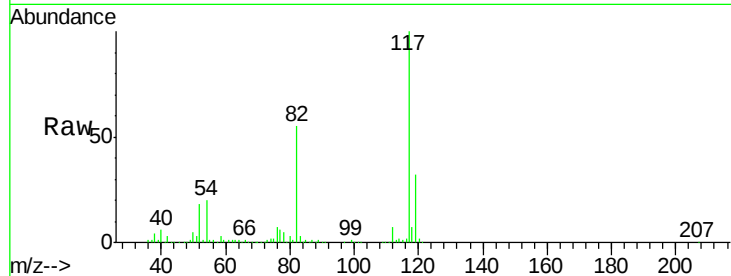
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	42.6	63.8
119	32.1	25.4	38.2

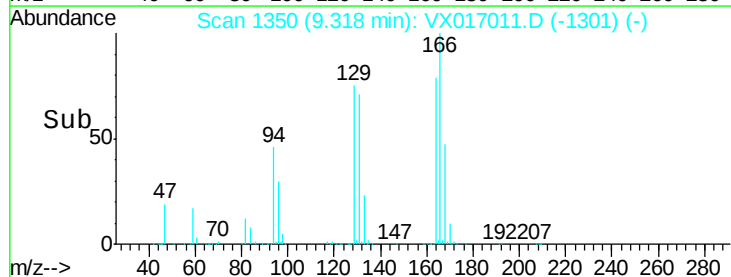
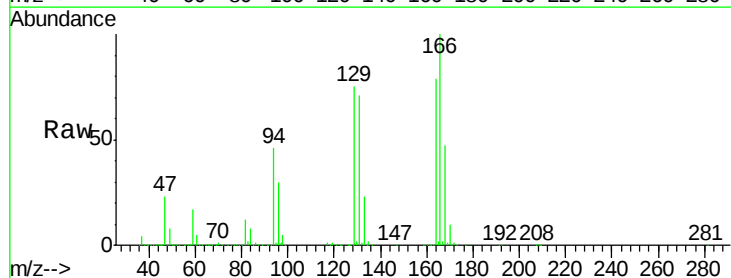
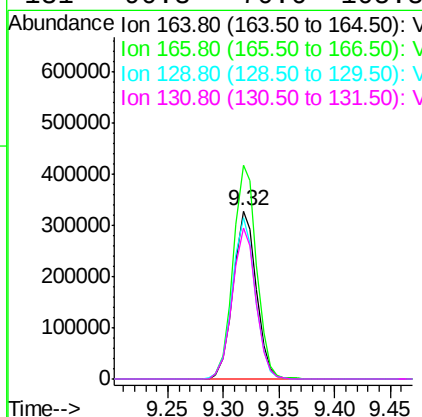
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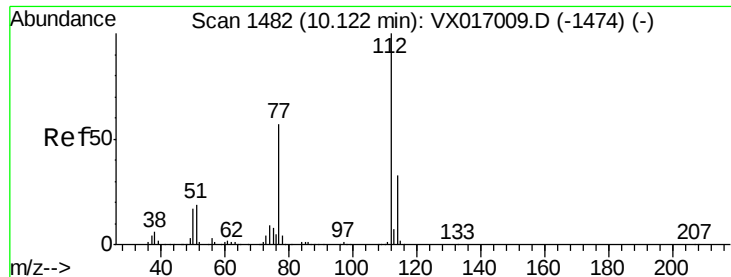
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#64
Tetrachloroethene
Concen: 134.021 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	99.4	149.0
129	95.9	76.3	114.5
131	90.3	70.6	105.8





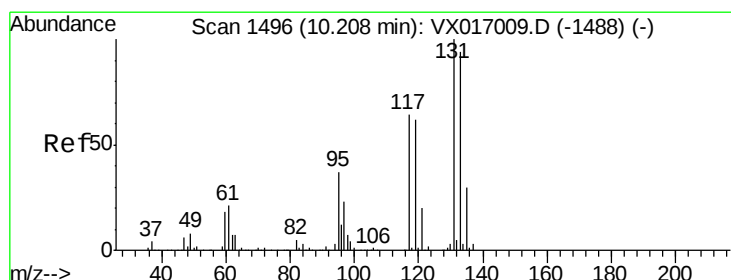
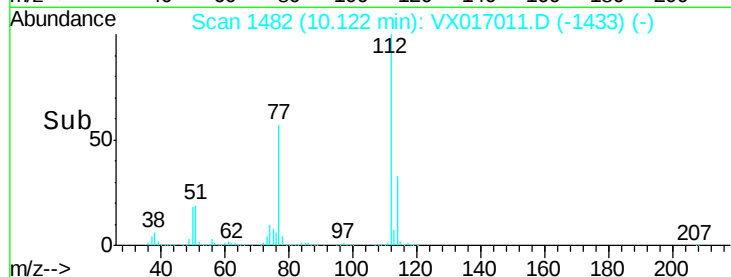
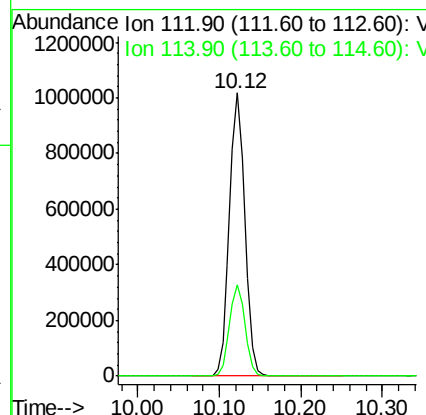
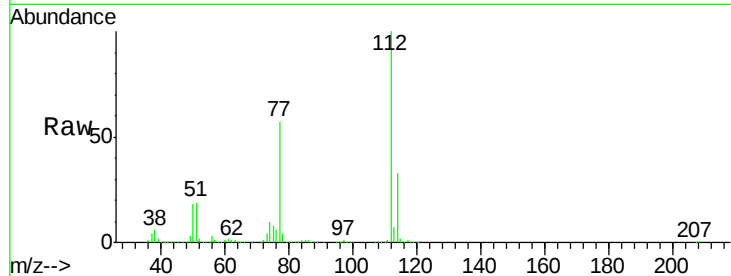
#65
Chlorobenzene
Concen: 148.469 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion:112 Resp: 1336176
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4

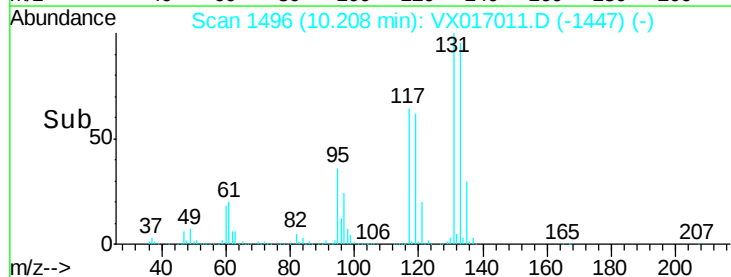
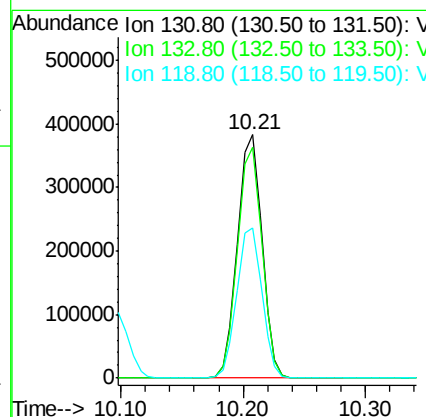
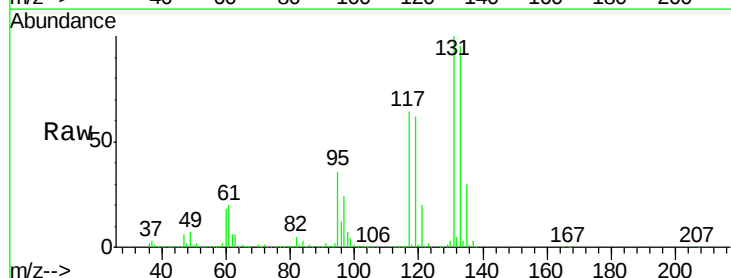
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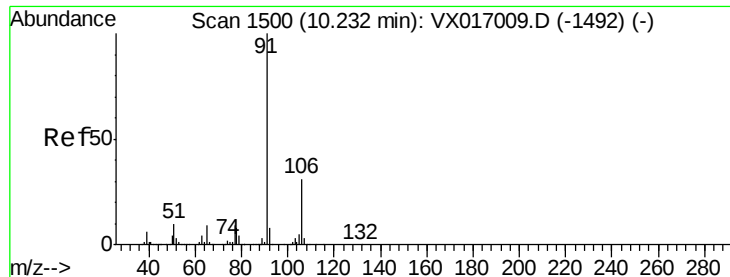
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#66
1,1,1,2-Tetrachloroethane
Concen: 152.555 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion:131 Resp: 529117
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.9
119 63.5 31.9 95.5





#67

Ethyl Benzene

Concen: 155.847 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2342318

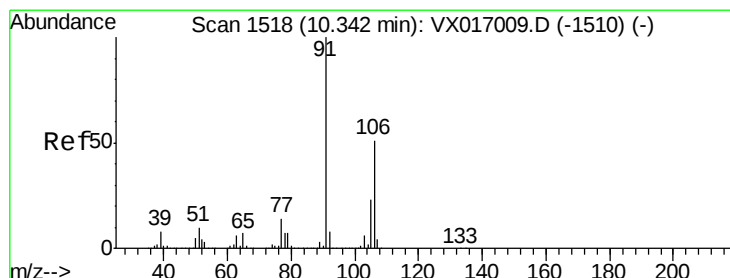
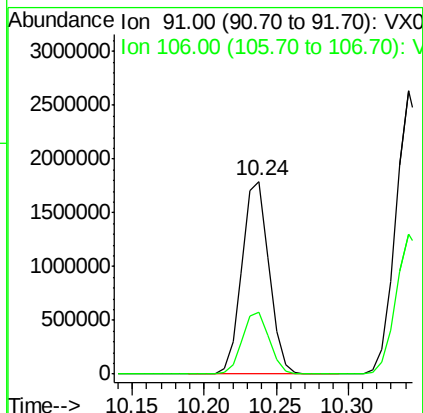
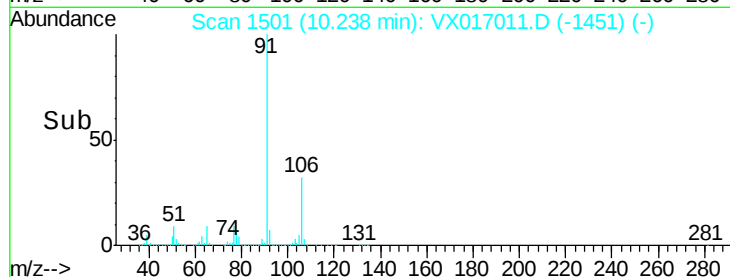
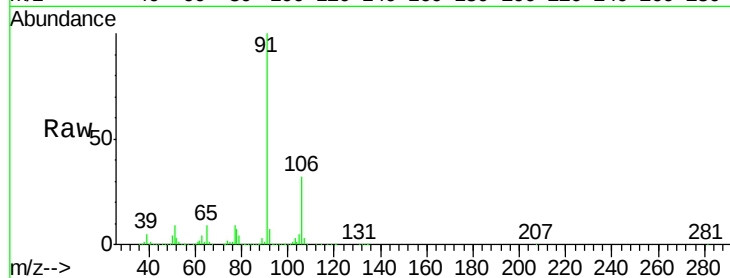
Ion Ratio Lower Upper

91 100

106 32.0 24.7 37.1

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#68

m/p-Xylenes

Concen: 308.874 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017011.D

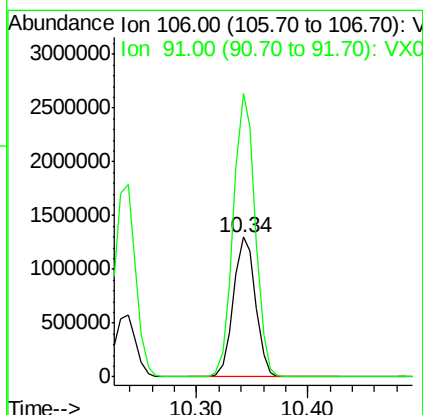
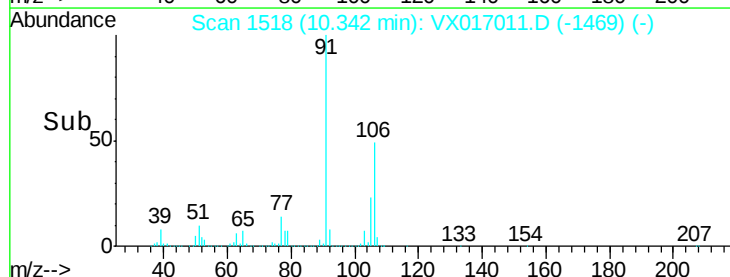
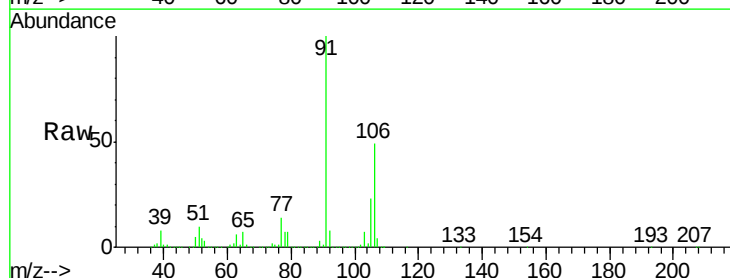
Acq: 29 Jun 2020 16:06

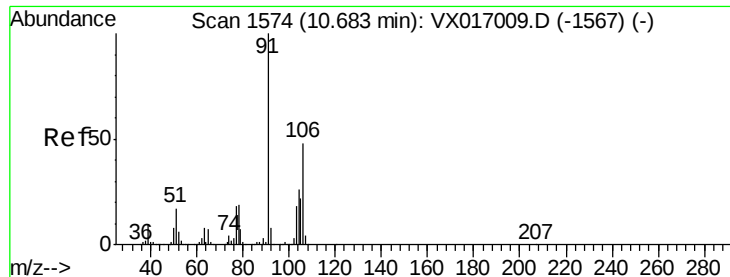
Tgt Ion: 106 Resp: 1782481

Ion Ratio Lower Upper

106 100

91 200.6 158.6 238.0





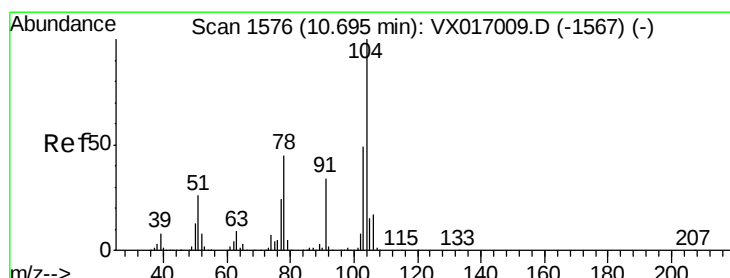
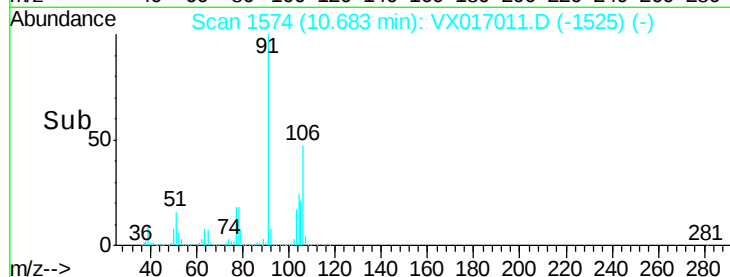
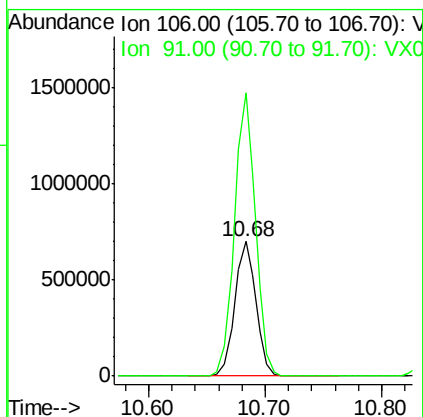
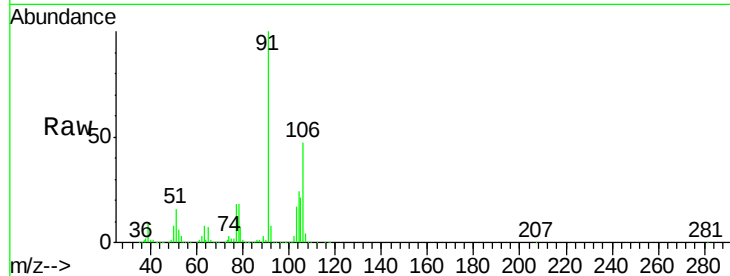
#69
o-Xylene
Concen: 160.477 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 880994
Ion Ratio Lower Upper
106 100
91 209.6 105.6 316.7

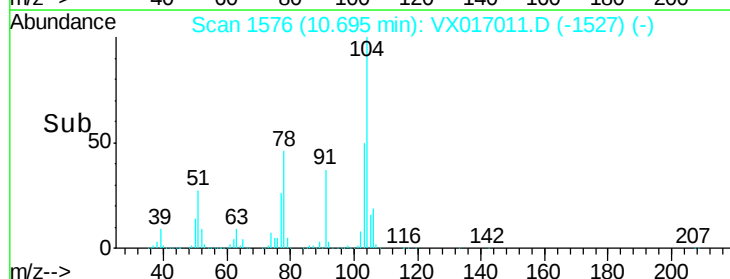
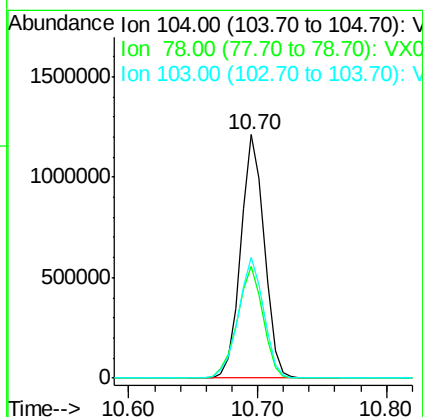
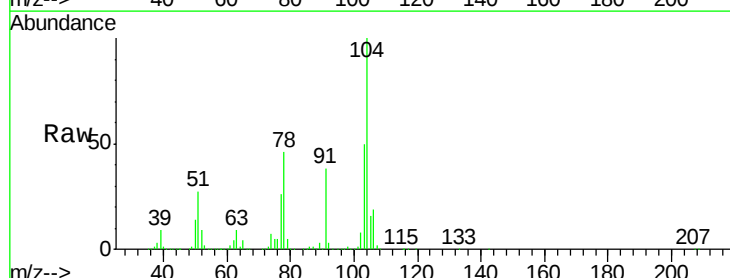
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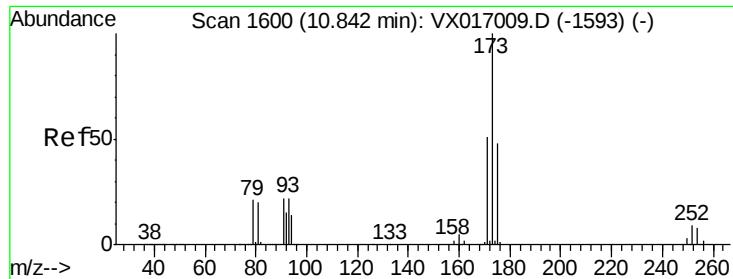
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#70
Styrene
Concen: 163.034 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion:104 Resp: 1524142
Ion Ratio Lower Upper
104 100
78 50.4 39.5 59.3
103 53.6 43.0 64.6





#71

Bromoform

Concen: 161.157 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

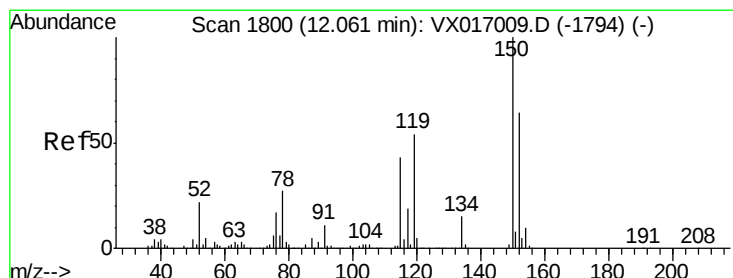
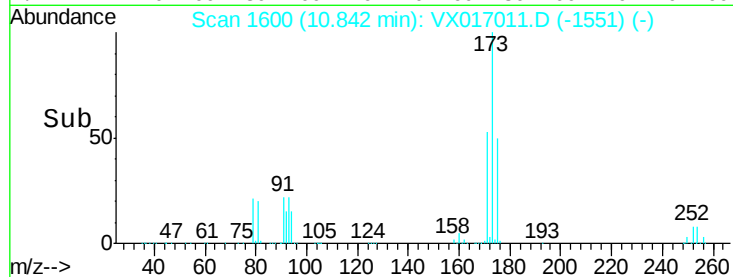
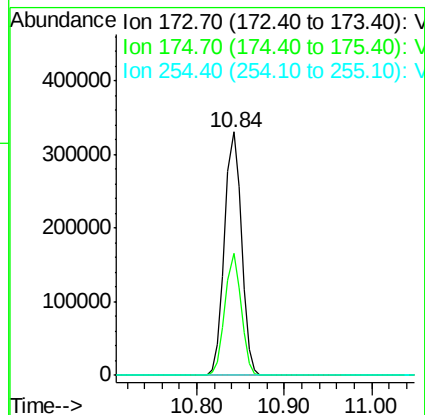
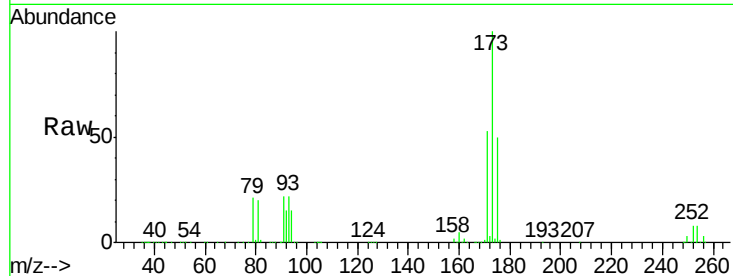
ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 443245
 Ion Ratio Lower Upper
 173 100
 175 48.0 24.5 73.5
 254 0.1 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

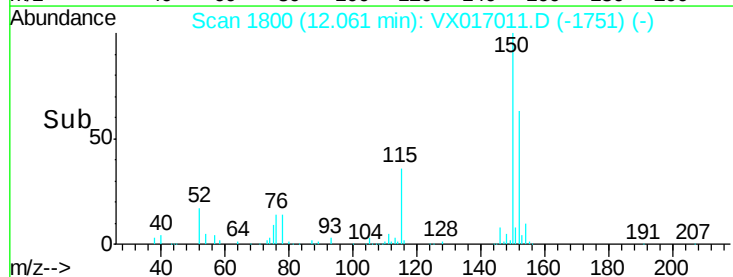
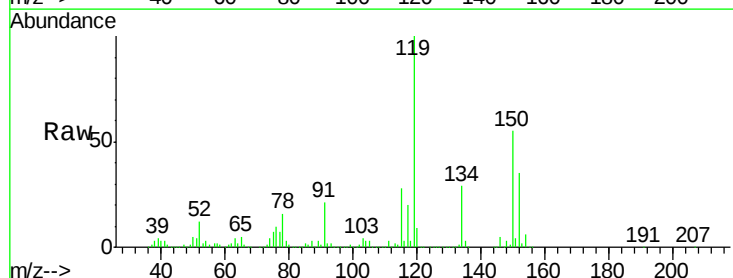
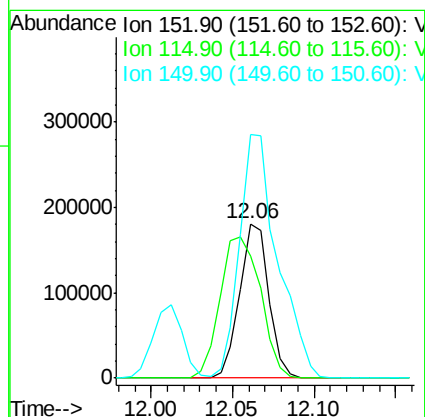
RT: 12.06 min Scan# 1800

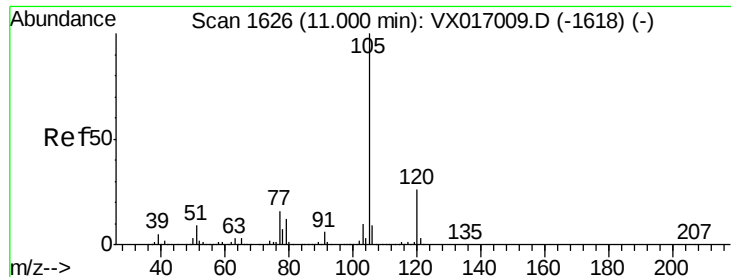
Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Tgt Ion:152 Resp: 225868
 Ion Ratio Lower Upper
 152 100
 115 126.8 40.9 122.7#
 150 205.4 0.0 351.6





#73

Isopropylbenzene

Concen: 156.641 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2317443

Ion Ratio Lower Upper

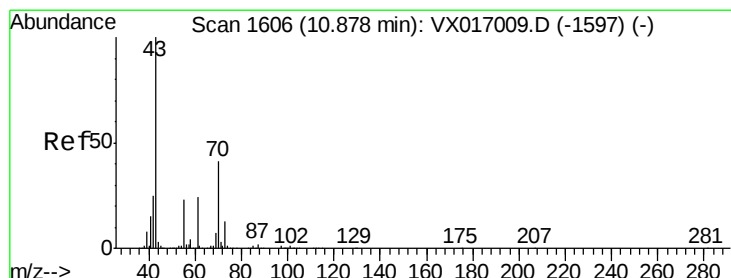
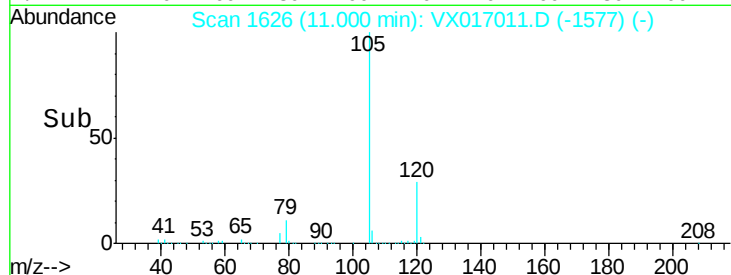
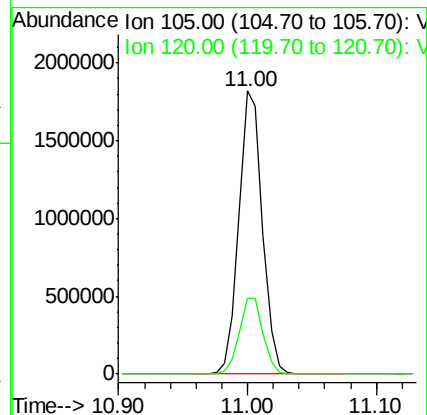
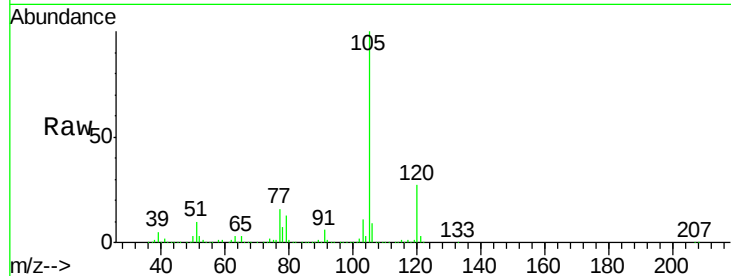
105 100

120 27.4 13.4 40.2

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#74

N-ethyl acetate

Concen: 164.197 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Tgt Ion: 43 Resp: 1036535

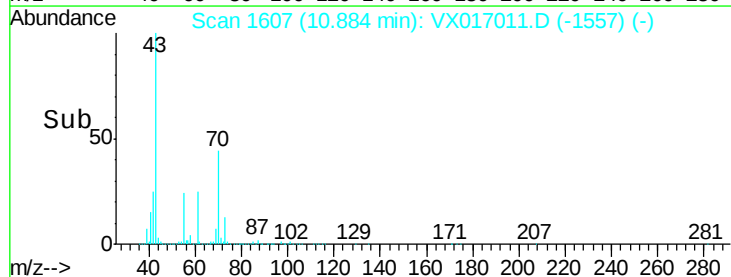
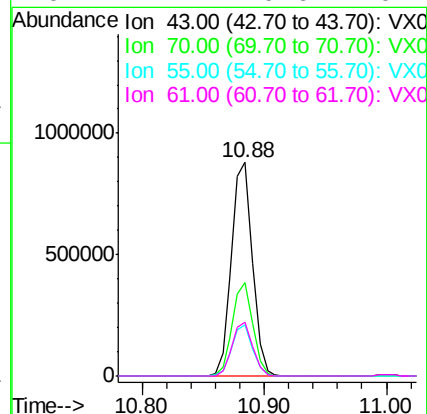
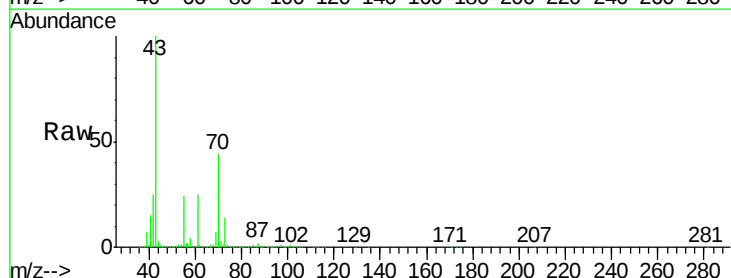
Ion Ratio Lower Upper

43 100

70 43.0 34.2 51.2

55 23.7 19.2 28.8

61 24.7 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 149.136 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

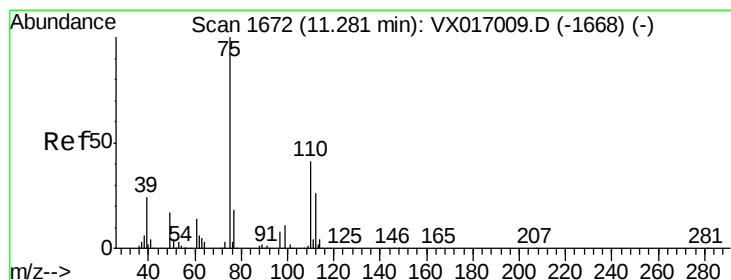
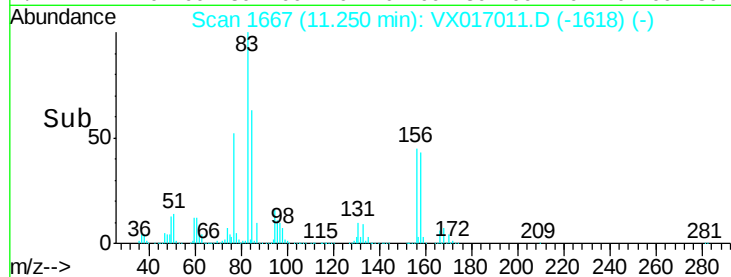
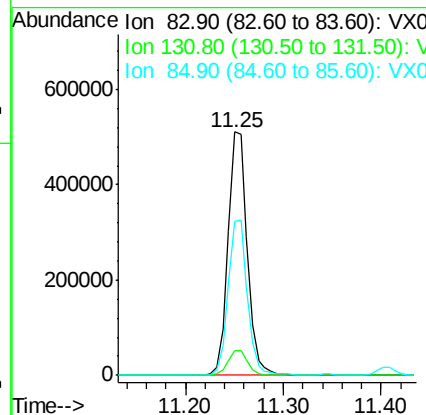
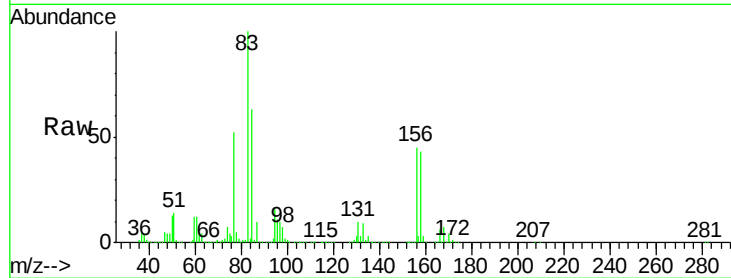
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	694041
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.4	16.2
85	64.4	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 113.866 ug/l m

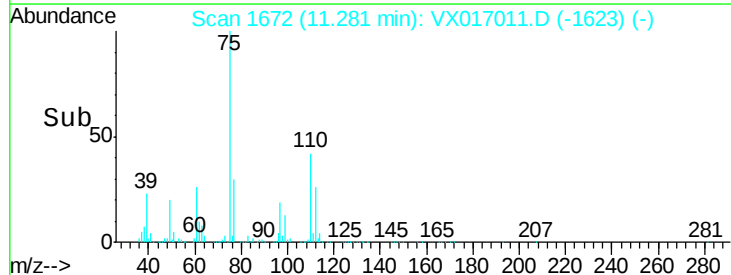
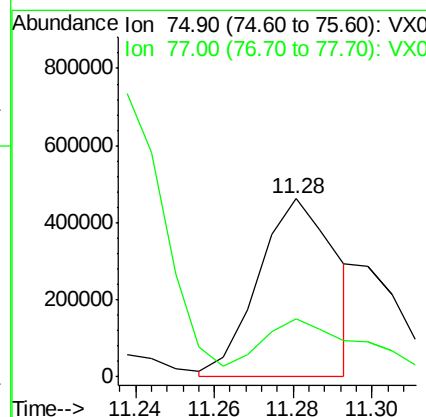
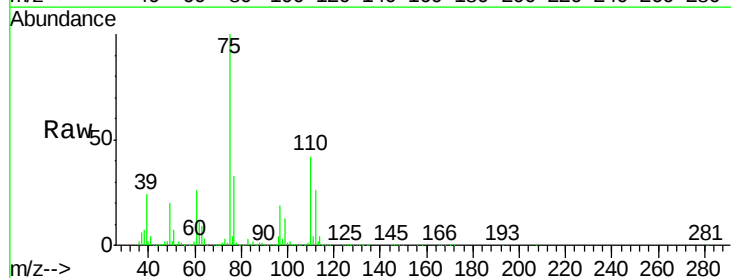
RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Tgt Ion:	75	Resp:	633375
Ion Ratio	Lower	Upper	
75	100		
77	43.1	20.2	60.6





#77

Bromobenzene

Concen: 148.248 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 602789

Ion Ratio Lower Upper

156 100

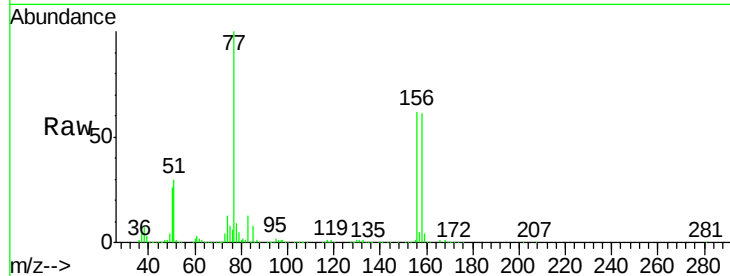
77 154.8 76.9 230.7

158 95.7 47.9 143.6

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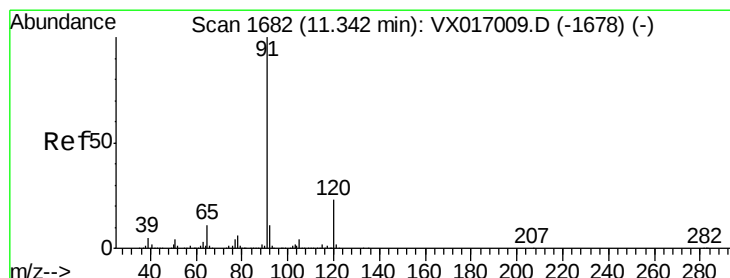
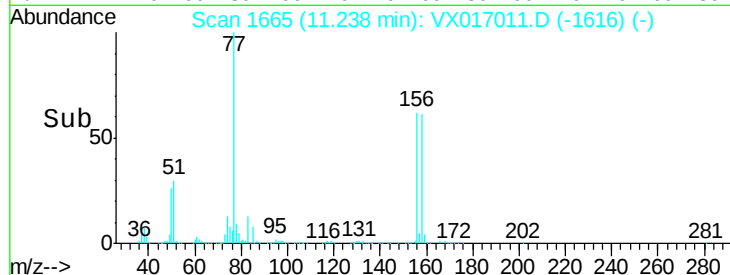
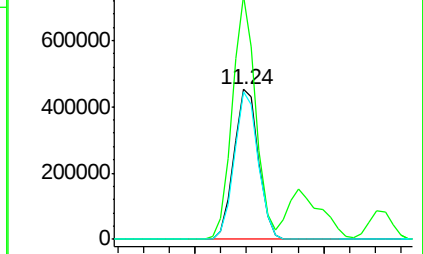
6/30/2020 10:12:24 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 159.837 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX017011.D

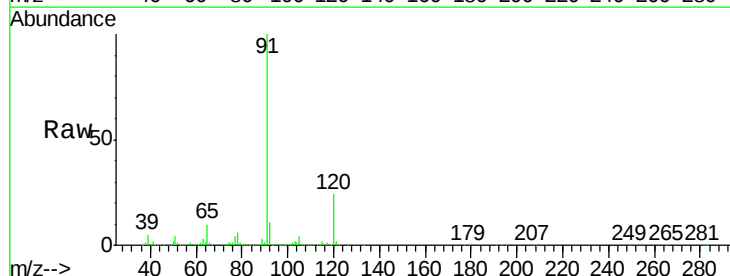
Acq: 29 Jun 2020 16:06

Tgt Ion: 91 Resp: 2674096

Ion Ratio Lower Upper

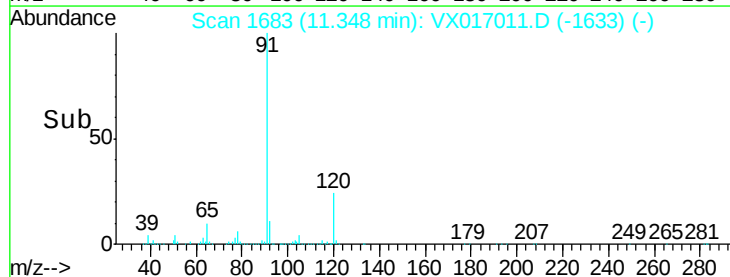
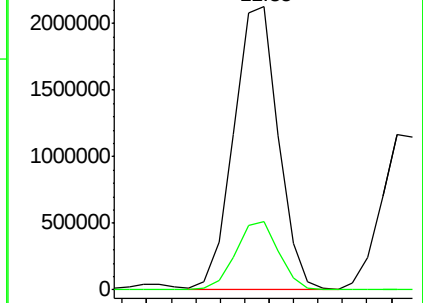
91 100

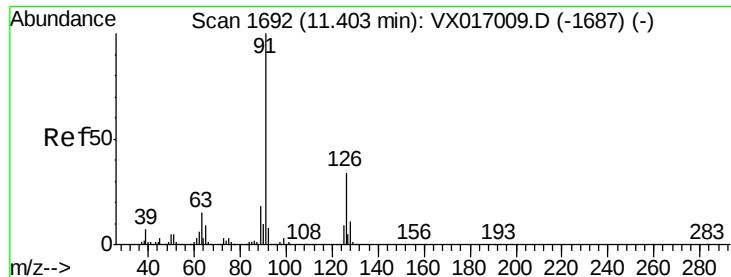
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 152.934 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX017011.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 91 Resp: 1548503

Ion Ratio Lower Upper

91 100

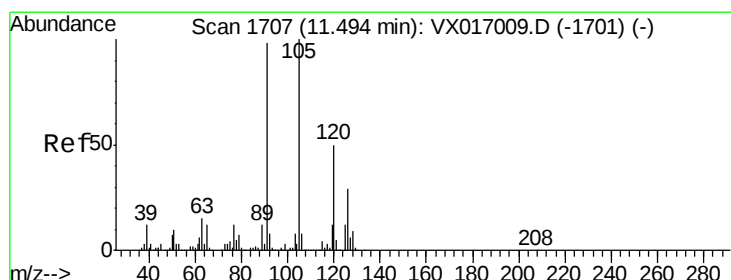
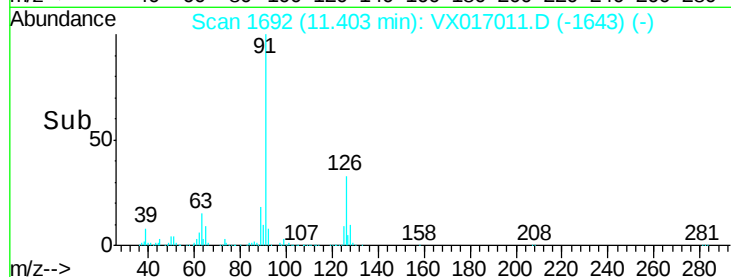
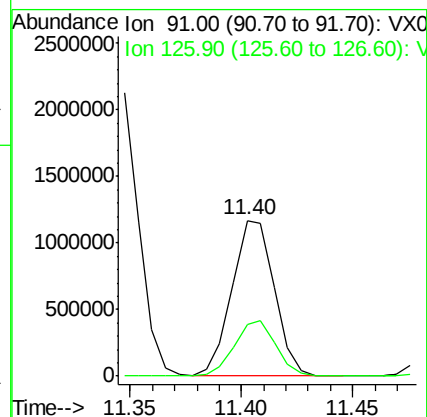
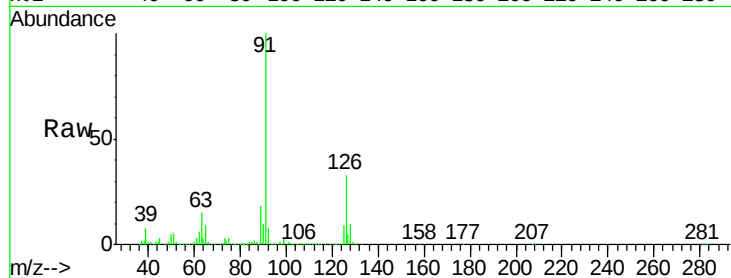
126 34.6 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 160.138 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017011.D

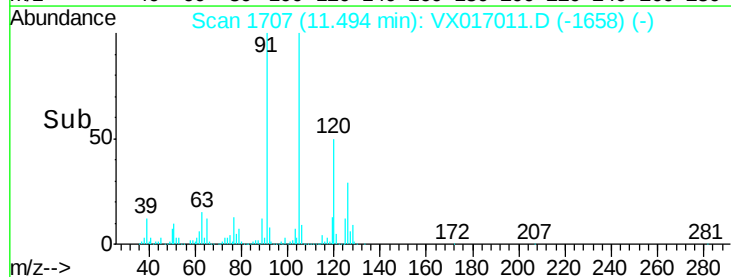
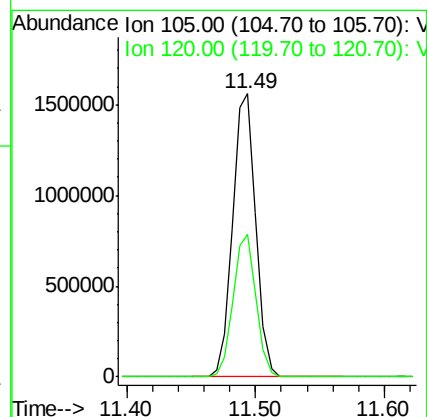
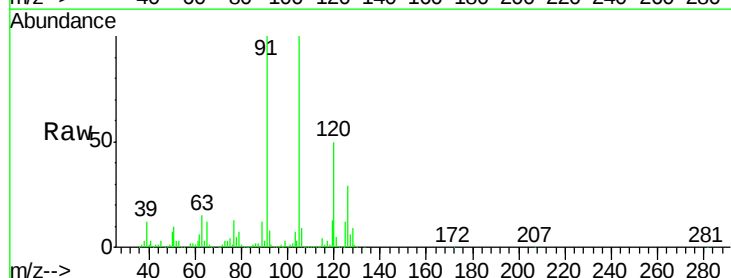
Acq: 29 Jun 2020 16:06

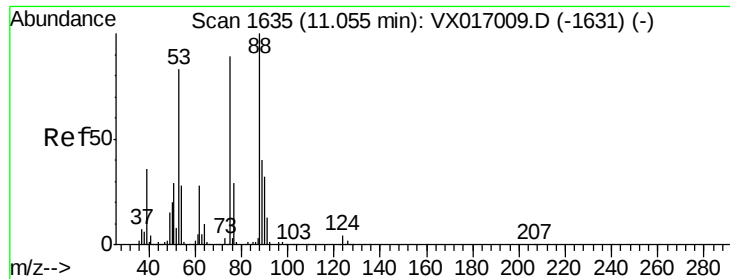
Tgt Ion: 105 Resp: 1965172

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6





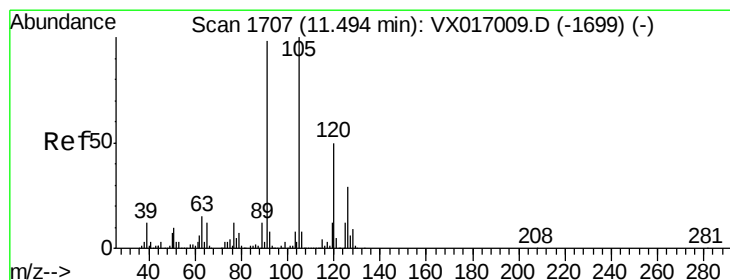
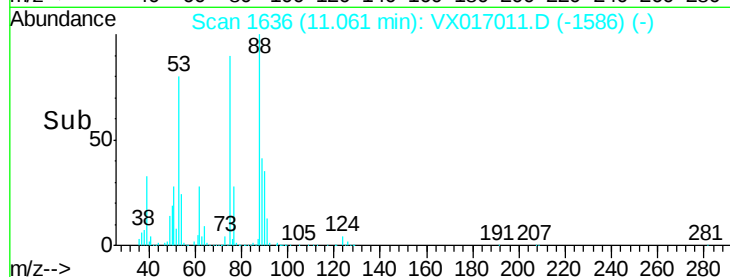
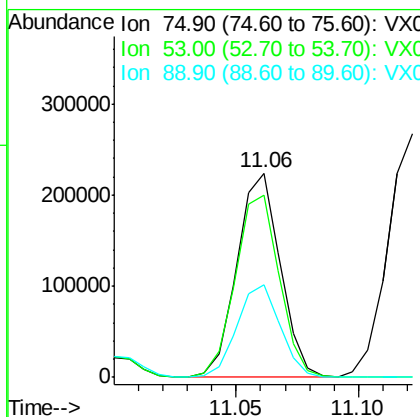
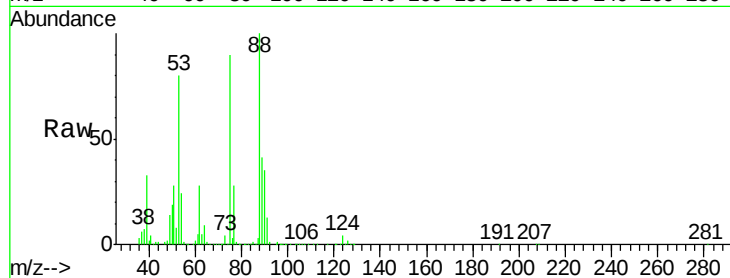
#81
trans-1,4-Dichloro-2-butene
Concen: 159.740 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.1	72.4	108.6
89	45.6	37.0	55.4

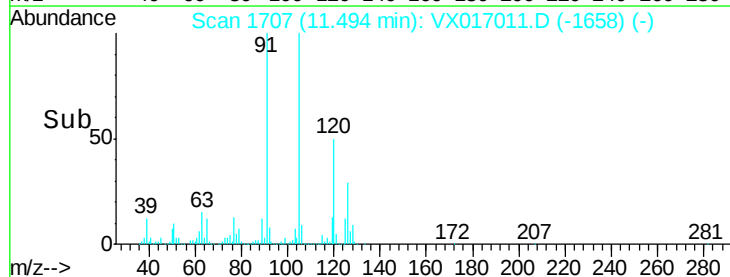
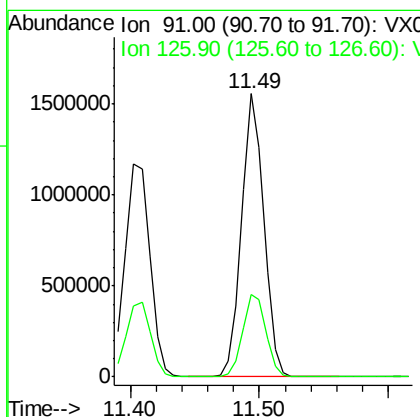
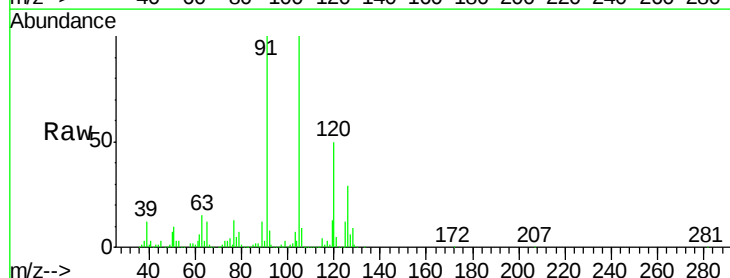
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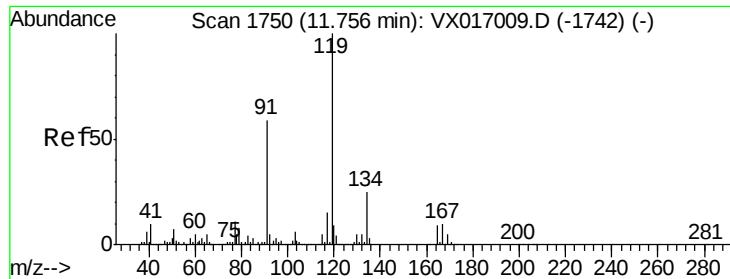
MMDadoda
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#82
4-Chlorotoluene
Concen: 153.786 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	15.2	45.5





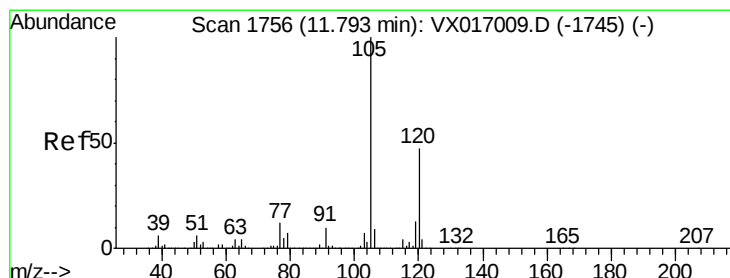
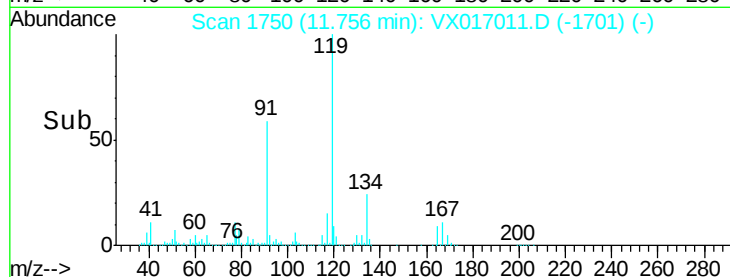
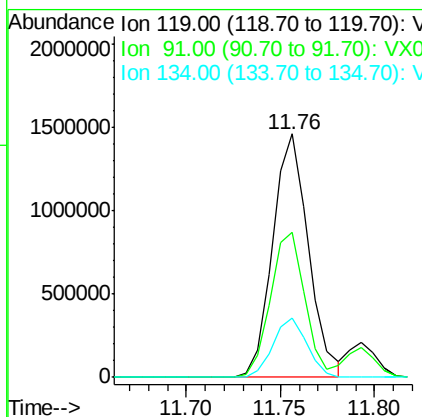
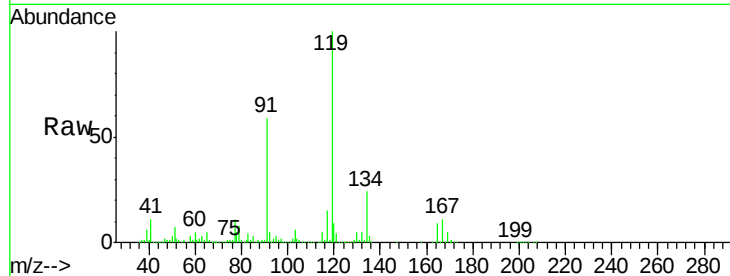
#83
tert-Butylbenzene
Concen: 159.796 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.2	28.3	84.9
134	23.4	11.7	35.1

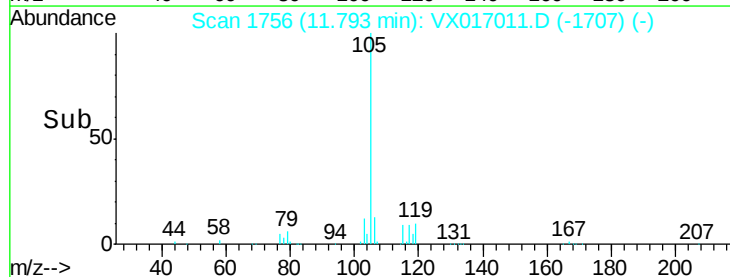
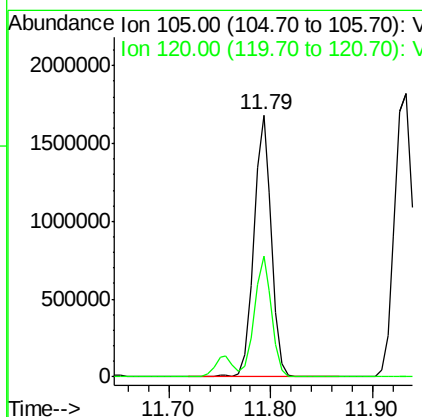
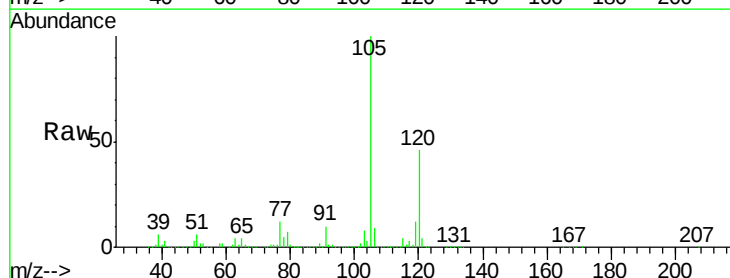
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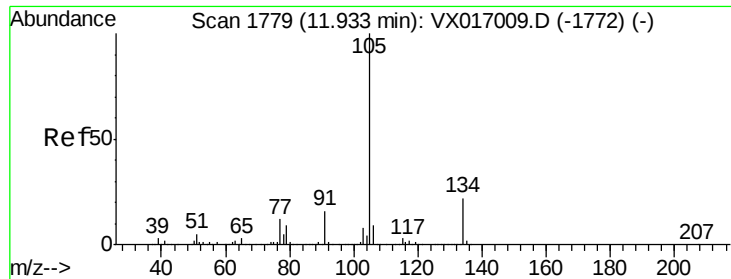
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#84
1,2,4-Trimethylbenzene
Concen: 161.858 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.9	68.5





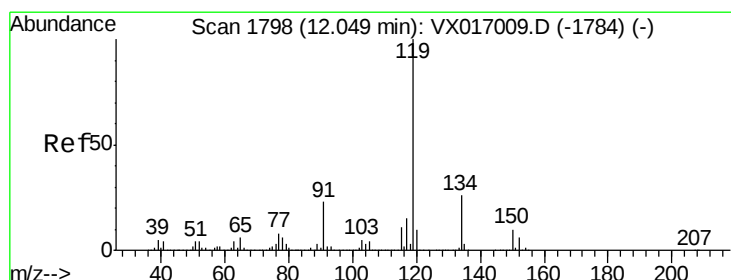
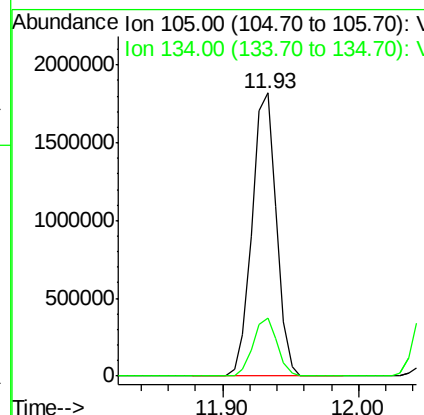
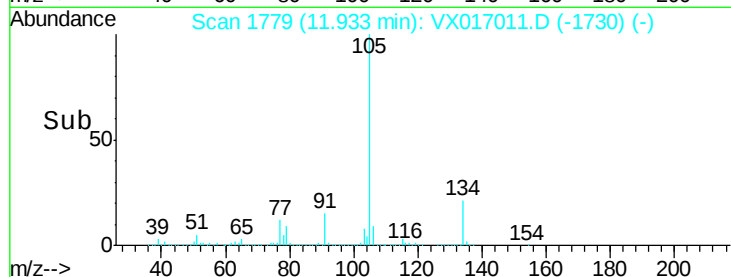
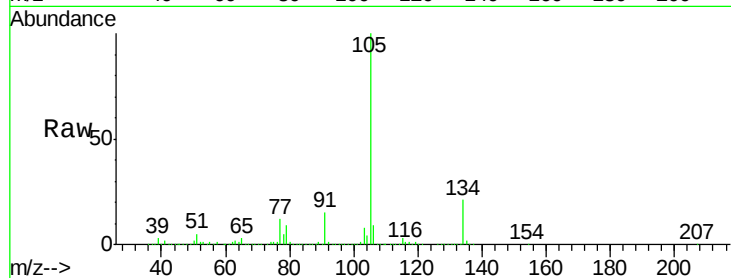
#85
 sec-Butylbenzene
 Concen: 161.447 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX017011.D
 Acq: 29 Jun 2020 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2286150
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.5 31.6

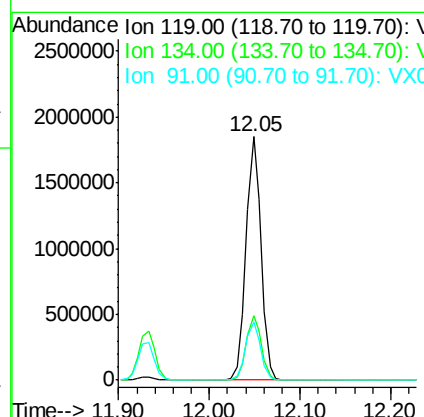
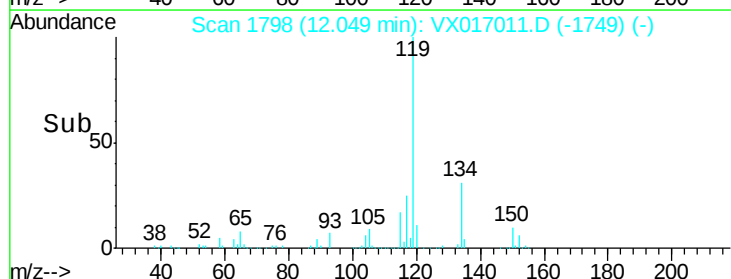
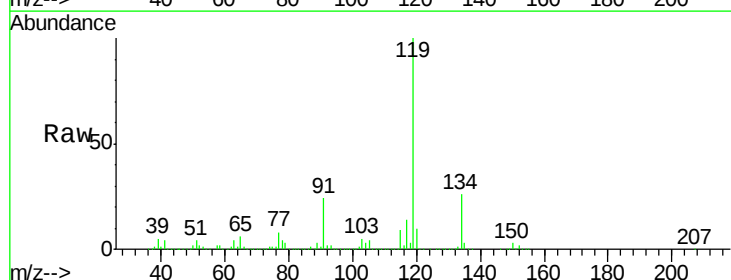
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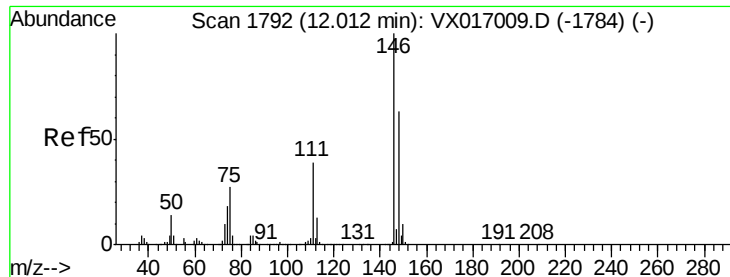
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#86
 p-Isopropyltoluene
 Concen: 160.407 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX017011.D
 Acq: 29 Jun 2020 16:06

Tgt Ion:119 Resp: 2114527
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.2 39.5
 91 23.8 11.8 35.4





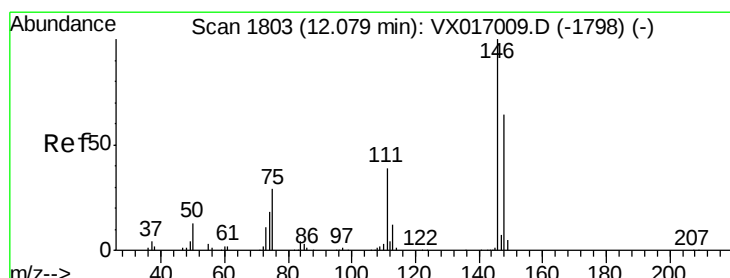
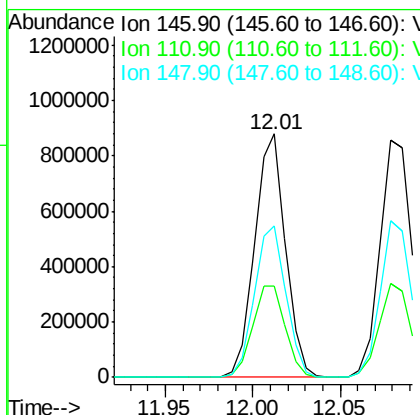
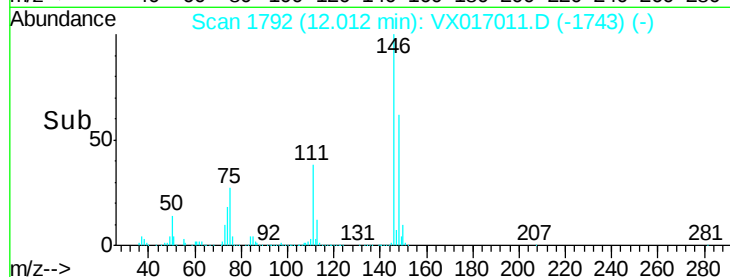
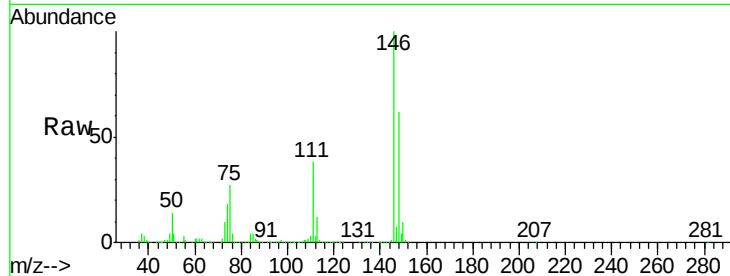
#87
 1,3-Dichlorobenzene
 Concen: 145.609 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017011.D
 Acq: 29 Jun 2020 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.4	61.2
148	63.8	32.5	97.5

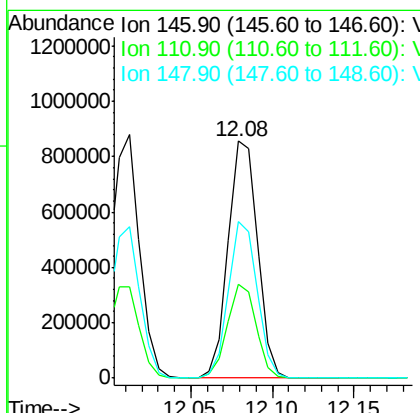
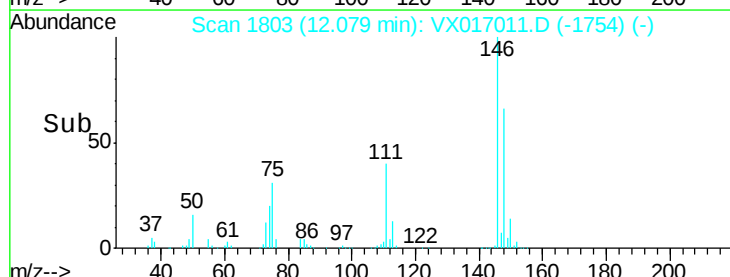
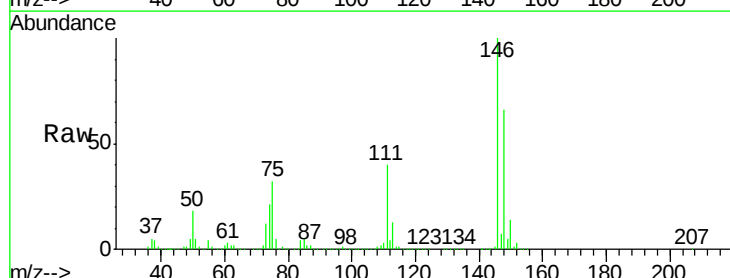
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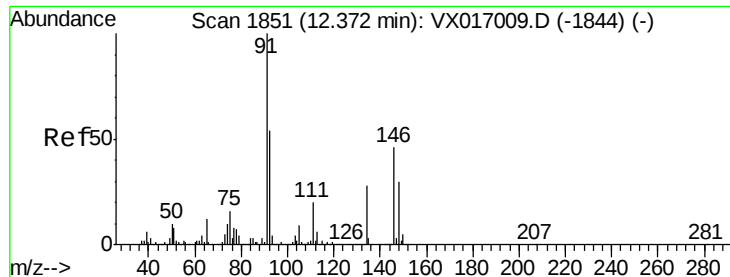
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#88
 1,4-Dichlorobenzene
 Concen: 144.837 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017011.D
 Acq: 29 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.5	58.5
148	64.2	31.9	95.7





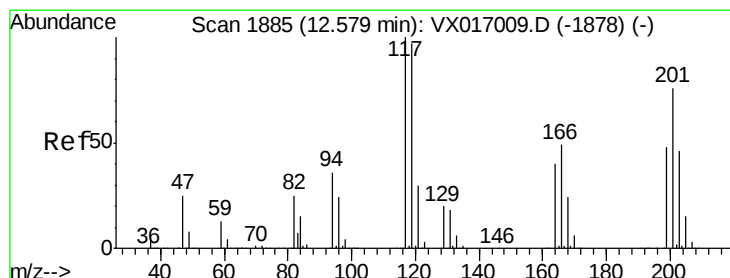
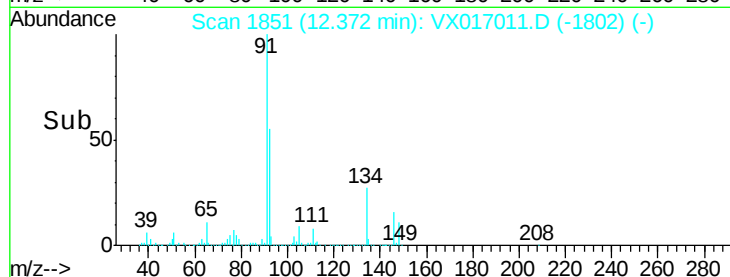
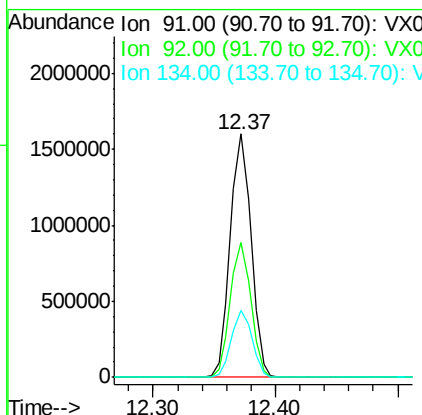
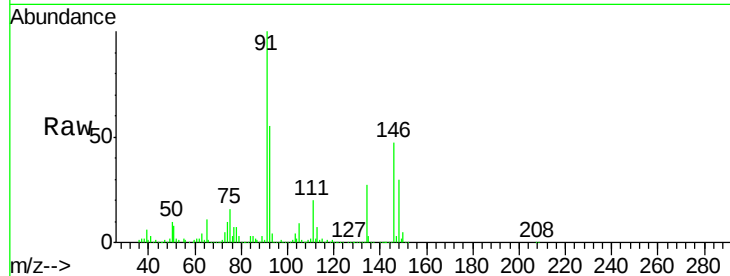
#89
n-Butylbenzene
Concen: 159.590 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1878449
Ion Ratio Lower Upper
91 100
92 54.7 27.2 81.6
134 27.0 13.6 40.7

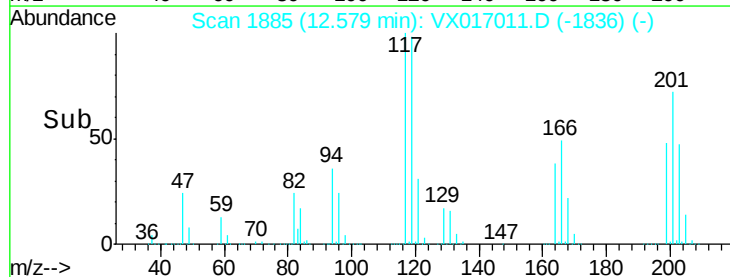
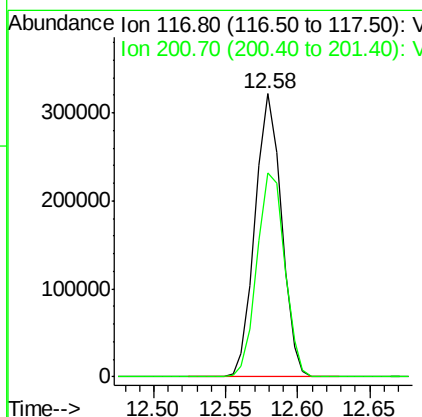
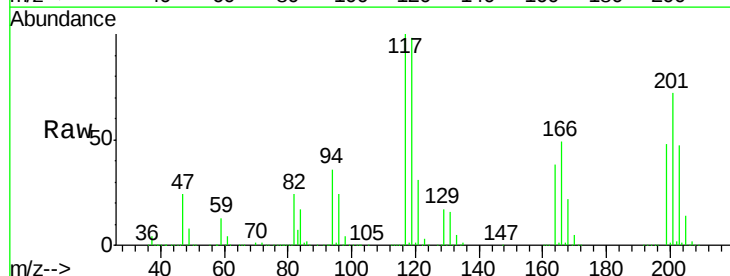
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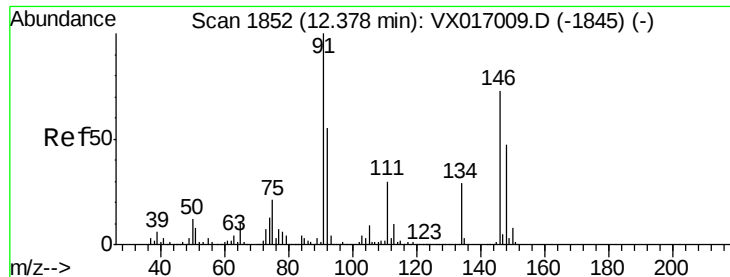
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#90
Hexachloroethane
Concen: 156.260 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion: 117 Resp: 406208
Ion Ratio Lower Upper
117 100
201 76.0 39.4 118.2





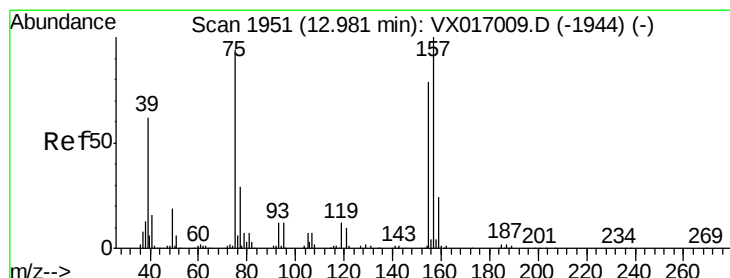
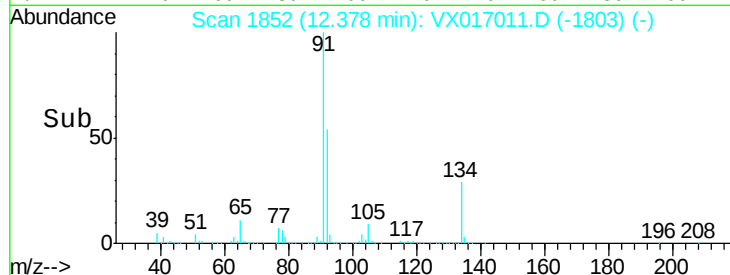
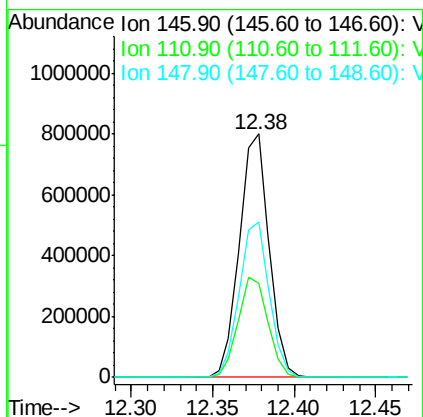
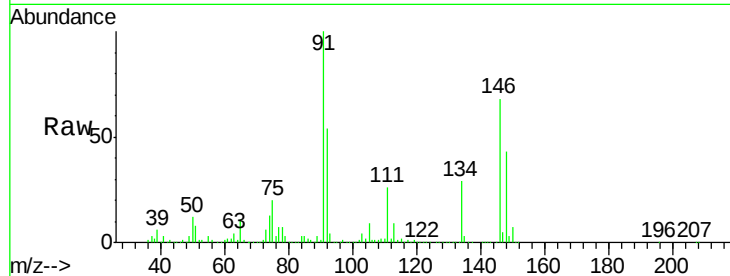
#91
 1,2-Dichlorobenzene
 Concen: 147.472 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017011.D
 Acq: 29 Jun 2020 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1017986
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.6 61.9
 148 64.5 32.4 97.2

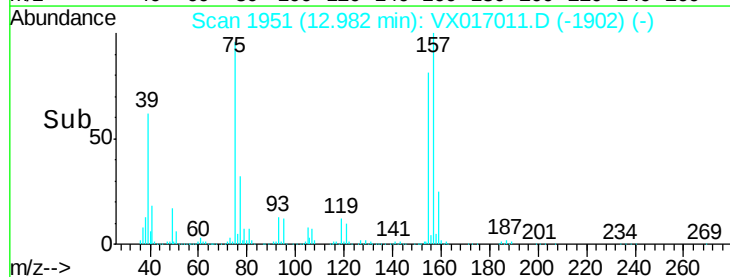
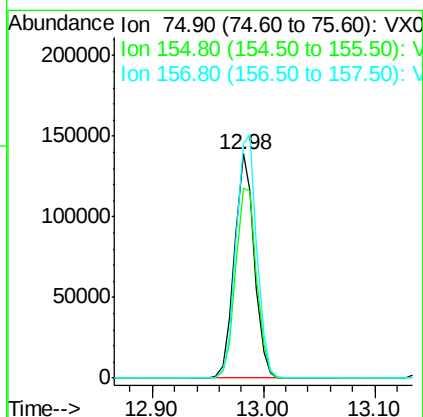
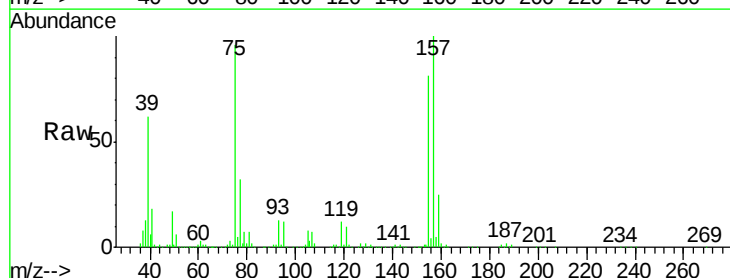
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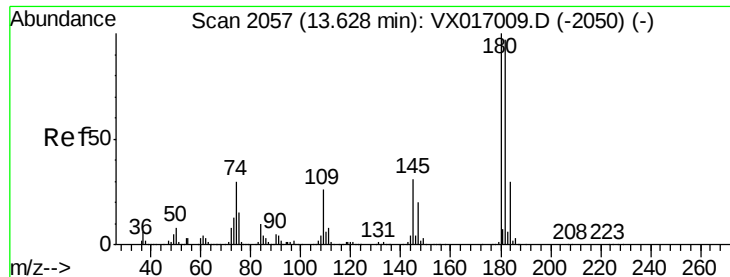
MMDadoda
 6/30/2020 10:12:24 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 153.903 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017011.D
 Acq: 29 Jun 2020 16:06

Tgt Ion: 75 Resp: 170859
 Ion Ratio Lower Upper
 75 100
 155 89.8 45.1 135.2
 157 113.3 56.5 169.3





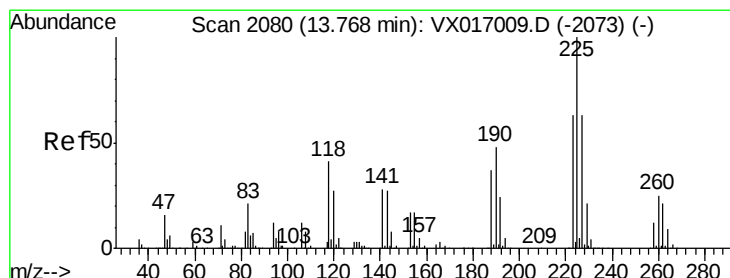
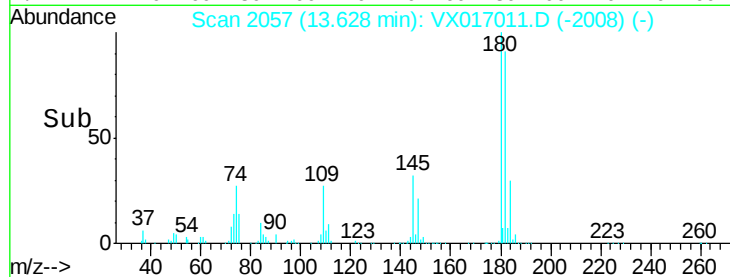
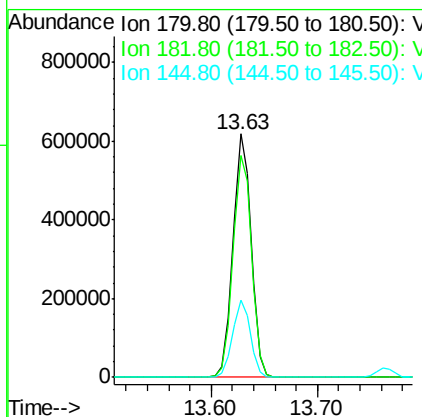
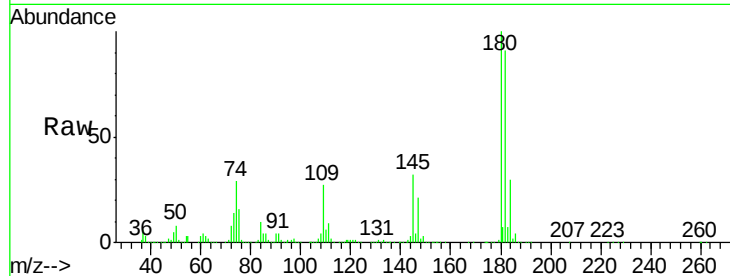
#93
 1,2,4-Trichlorobenzene
 Concen: 157.771 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017011.D
 Acq: 29 Jun 2020 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	743349		
182	93.2	47.3	141.9	
145	31.0	15.4	46.2	

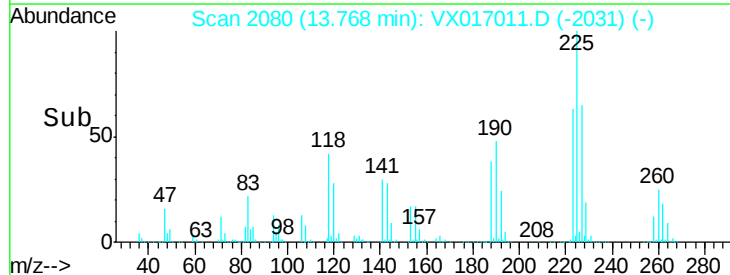
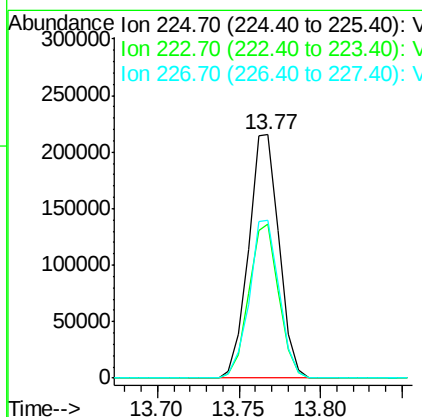
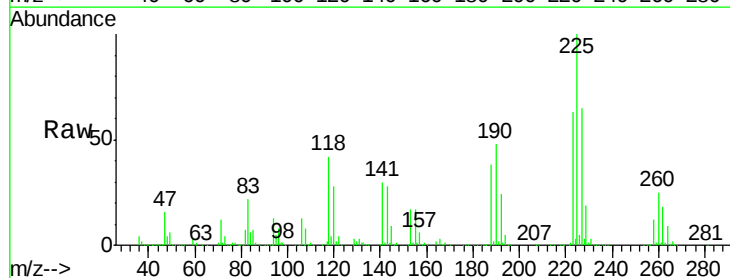
Manual Integrations
 APPROVED

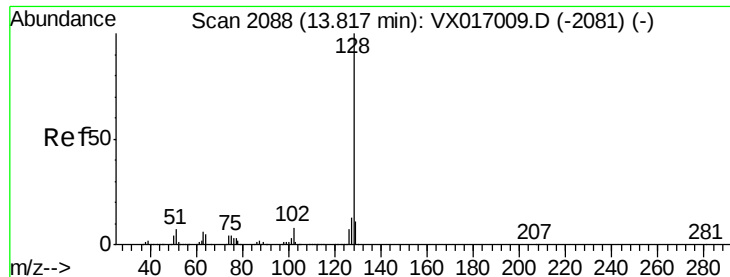
MMDadoda
 6/30/2020 10:12:24 AM



#94
 Hexachlorobutadiene
 Concen: 147.305 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX017011.D
 Acq: 29 Jun 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	280709		
223	61.9	32.5	97.5	
227	63.1	33.1	99.2	





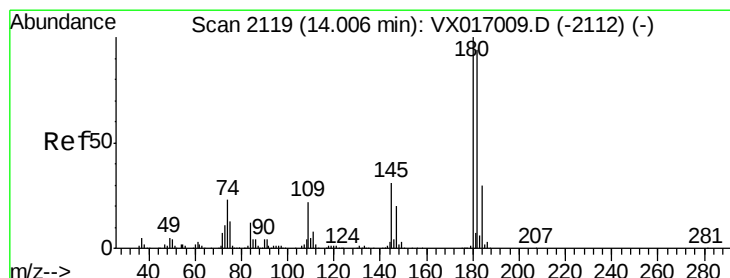
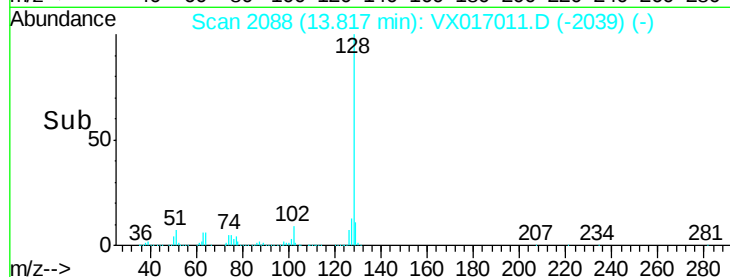
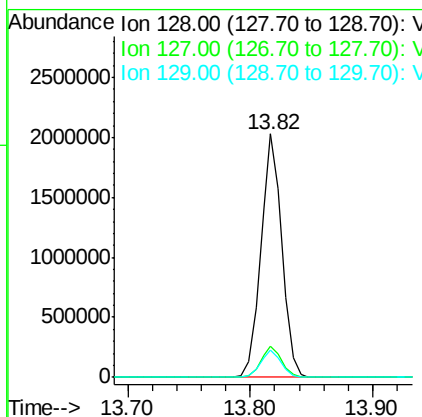
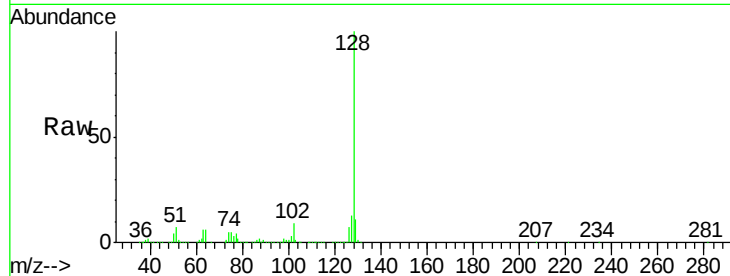
#95
Naphthalene
Concen: 168.565 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/30/2020 10:12:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 158.812 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.01 min
Lab File: VX017011.D
Acq: 29 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.1	141.4
145	32.9	16.6	49.7

