

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO050120\
 Data File : VX016024.D
 Acq On : 01 May 2020 20:03
 Operator : JC/SP
 Sample : L2469-09MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

Manual Integrations
 APPROVED

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 5/4/2020 2:20:05 PM

Quant Time: May 02 08:12:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	270168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	445153	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	413632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	211881	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	171633	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
35) Dibromofluoromethane	5.47	113	133124	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
50) Toluene-d8	8.70	98	504761	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
62) 4-Bromofluorobenzene	11.12	95	200066	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	128097	52.985	ug/l	98
3) Chloromethane	1.31	50	152886	52.180	ug/l	98
4) Vinyl Chloride	1.39	62	179553	53.961	ug/l	98
5) Bromomethane	1.62	94	91551	40.984	ug/l	97
6) Chloroethane	1.70	64	114182	51.588	ug/l	98
7) Trichlorofluoromethane	1.91	101	234657	46.657	ug/l	98
8) Diethyl Ether	2.17	74	102801	48.961	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	133755	53.353	ug/l	99
10) Methyl Iodide	2.49	142	182267	52.118	ug/l	98
11) Tert butyl alcohol	3.02	59	238281	277.895	ug/l	100
12) 1,1-Dichloroethene	2.36	96	136643	52.862	ug/l	96
13) Acrolein	2.27	56	69380	321.971	ug/l	99
14) Allyl chloride	2.70	41	258858	55.537	ug/l	95
15) Acrylonitrile	3.12	53	484718	285.102	ug/l	100
16) Acetone	2.42	43	424384	280.957	ug/l	99
17) Carbon Disulfide	2.55	76	397948	52.785	ug/l	99
18) Methyl Acetate	2.75	43	220521	51.447	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	512084	54.774	ug/l	99
20) Methylene Chloride	2.84	84	159319	53.281	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	152780	52.445	ug/l	99
22) Diisopropyl ether	3.82	45	508695	55.513	ug/l	97
23) Vinyl Acetate	3.79	43	2001143	251.395	ug/l	100
24) 1,1-Dichloroethane	3.67	63	306465	60.036	ug/l	100
25) 2-Butanone	4.64	43	690783	282.213	ug/l	99
26) 2,2-Dichloropropane	4.56	77	221821	47.526	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	177304	53.633	ug/l	99
28) Bromochloromethane	4.98	49	122036	49.403	ug/l	96
29) Tetrahydrofuran	5.09	42	451796	281.644	ug/l	99
30) Chloroform	5.18	83	284888	53.670	ug/l	99
31) Cyclohexane	5.55	56	247546	54.472	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	258174	52.825	ug/l	99
36) 1,1-Dichloropropene	5.77	75	212465	50.112	ug/l	98
37) Ethyl Acetate	4.79	43	241066	49.585	ug/l	99
38) Carbon Tetrachloride	5.76	117	222053	49.585	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	250800	51.140	ug/l	98
40) Benzene	6.12	78	631896	52.234	ug/l	100
41) Methacrylonitrile	5.01	41	144200	55.412	ug/l	97
42) 1,2-Dichloroethane	6.17	62	235300	50.199	ug/l	100
43) Isopropyl Acetate	6.42	43	398340	49.479	ug/l	99
44) Trichloroethene	7.19	130	211529	48.511	ug/l	99
45) 1,2-Dichloropropane	7.49	63	164461	52.603	ug/l	99
46) Dibromomethane	7.64	93	110885	49.913	ug/l	99
47) Bromodichloromethane	7.88	83	230286	52.164	ug/l	97
48) Methyl methacrylate	7.75	41	200593	53.966	ug/l	97
49) 1,4-Dioxane	7.71	88	95119	1087.786	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	1321873	270.694	ug/l	98
52) Toluene	8.77	92	401425	52.276	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	265045	50.598	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	272345	50.551	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	161462	52.615	ug/l	98
56) Ethyl methacrylate	9.16	69	269802	54.070	ug/l	96
57) 1,3-Dichloropropane	9.35	76	280518	53.203	ug/l	99
59) 2-Hexanone	9.48	43	1040311	272.596	ug/l	98
60) Dibromochloromethane	9.57	129	184322	53.664	ug/l	97
61) 1,2-Dibromoethane	9.66	107	176433	53.019	ug/l	99
64) Tetrachloroethene	9.32	164	243354	49.594	ug/l	96
65) Chlorobenzene	10.12	112	428537	50.867	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	163662	51.400	ug/l	98
67) Ethyl Benzene	10.24	91	772921	51.518	ug/l	99
68) m/p-Xylenes	10.34	106	584465	102.664	ug/l	99
69) o-Xylene	10.68	106	284494	52.635	ug/l	99
70) Stvrene	10.70	104	491364	52.981	ug/l	99
71) Bromoform	10.84	173	138448	47.875	ug/l #	99
73) Isopropylbenzene	11.01	105	763093	52.942	ug/l	100
74) N-amyl acetate	10.88	43	334664	48.141	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	170498	50.887	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	240620m	54.120	ug/l	
77) Bromobenzene	11.24	156	189661	51.118	ug/l	95
78) n-propylbenzene	11.35	91	868269	52.365	ug/l	99
79) 2-Chlorotoluene	11.41	91	522215	52.860	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	643566	53.004	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	99247	52.752	ug/l	96
82) 4-Chlorotoluene	11.49	91	619688	52.446	ug/l	99
83) tert-Butylbenzene	11.76	119	555063	53.019	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	648826	53.096	ug/l	99
85) sec-Butylbenzene	11.93	105	743794	52.733	ug/l	99
86) p-Isopropyltoluene	12.05	119	689349	52.177	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	338251	49.993	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	343347	50.211	ug/l	99
89) n-Butylbenzene	12.37	91	606351	50.793	ug/l	99
90) Hexachloroethane	12.58	117	124021	53.128	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	329077	50.863	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	62774	52.751	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	236101	48.620	ug/l	98

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ClientSampleId :
SA-PZ191I-20200429MSD

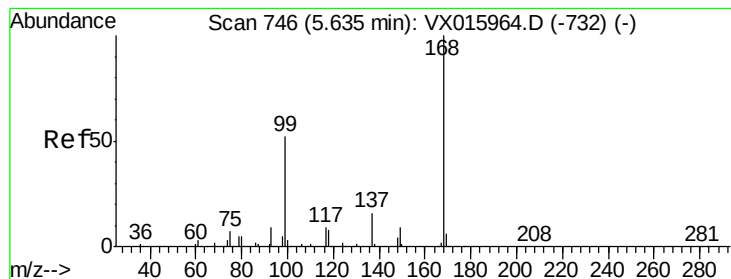
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 28 17:30:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	102789	47.376	ug/l	97
95) Naphthalene	13.82	128	810947	52.948	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	237082	50.703	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion:168 Resp: 270168

Ion Ratio Lower Upper

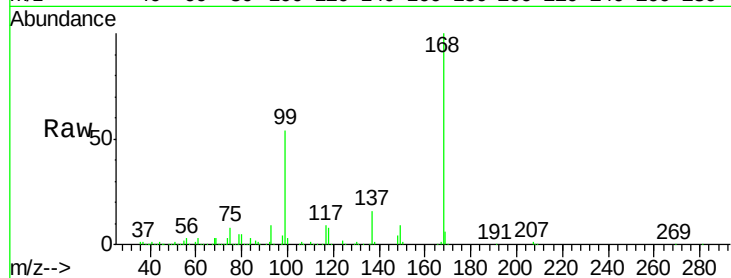
168 100

99 54.3 41.7 62.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

60000

40000

20000

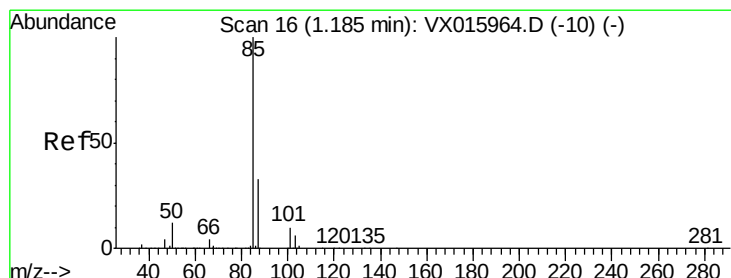
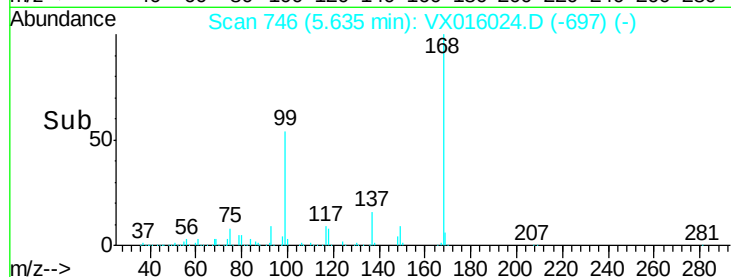
0

5.50

5.60

5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 52.985 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016024.D

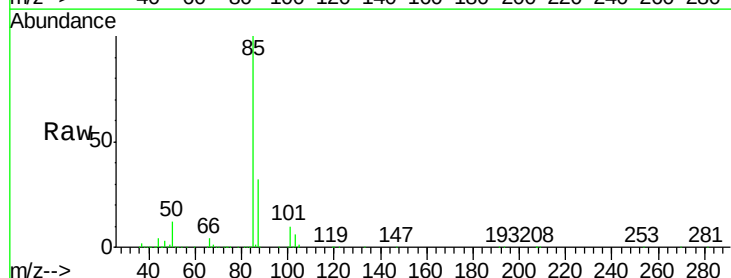
Acq: 01 May 2020 20:03

Tgt Ion: 85 Resp: 128097

Ion Ratio Lower Upper

85 100

87 32.3 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

150000

100000

50000

0

1.10

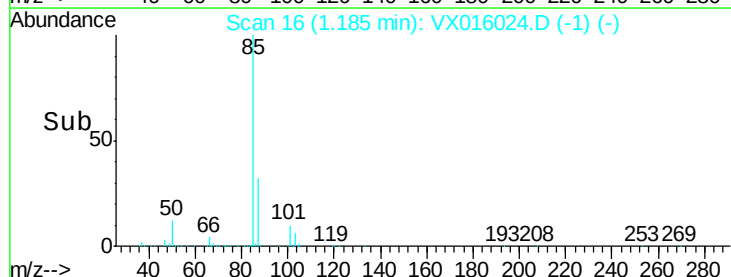
1.15

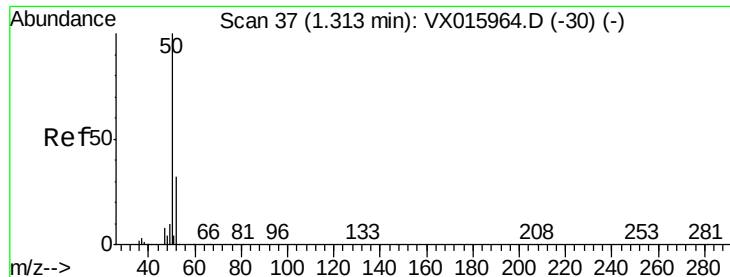
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 52.180 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion: 50 Resp: 152886

Ion Ratio Lower Upper

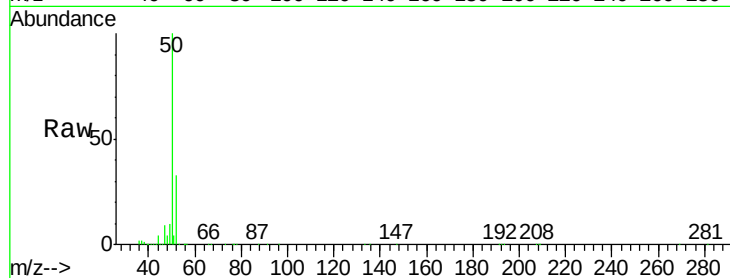
50 100

52 32.9 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

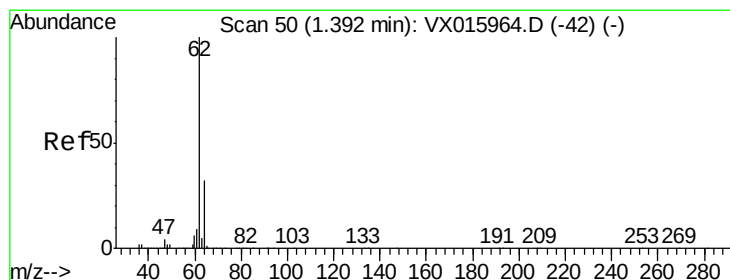
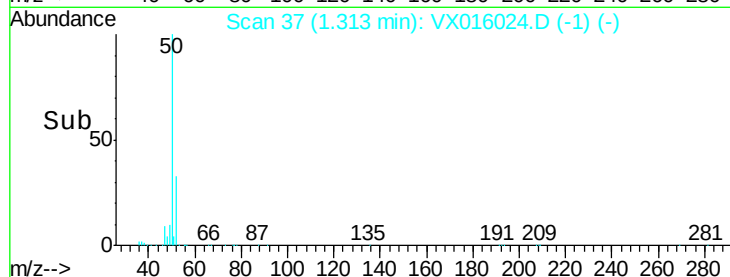
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 53.961 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016024.D

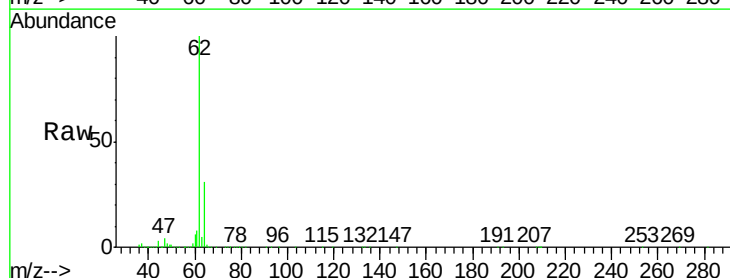
Acq: 01 May 2020 20:03

Tgt Ion: 62 Resp: 179553

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

200000

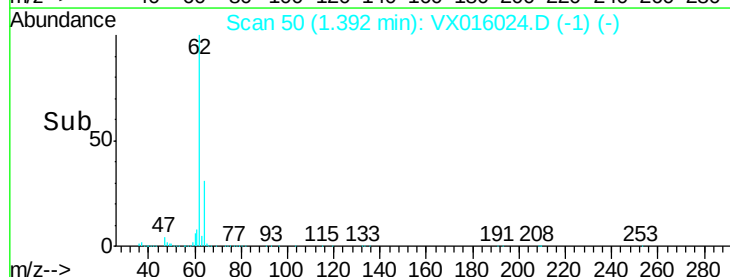
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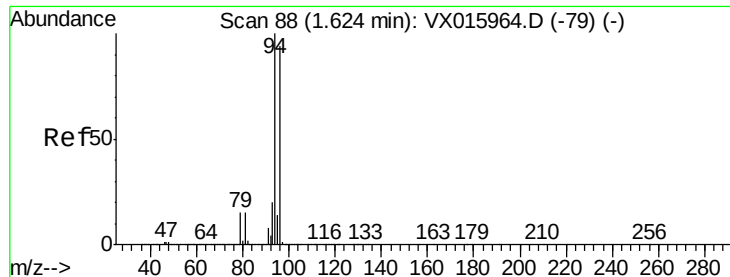
100000

50000

0

Time-->





#5

Bromomethane

Concen: 40.984 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion: 94 Resp: 91551

Ion Ratio Lower Upper

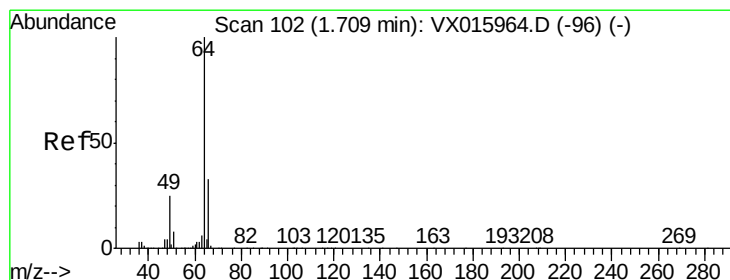
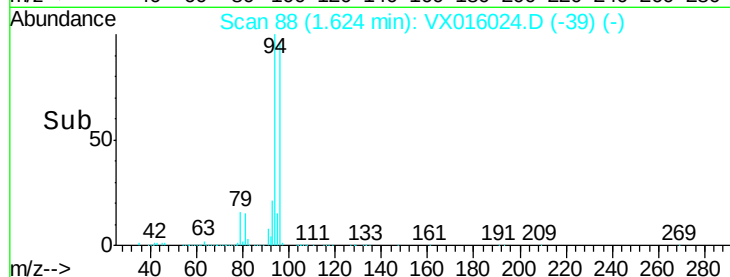
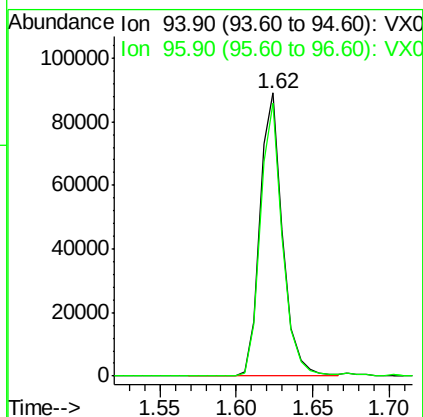
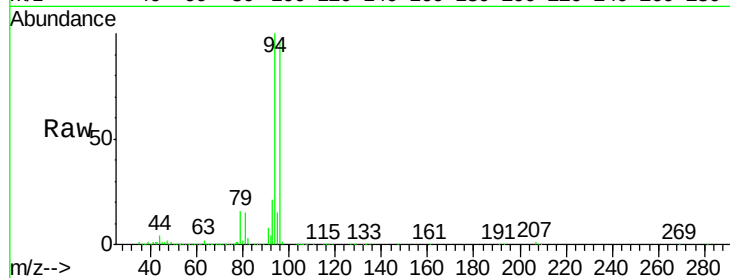
94 100

96 96.2 74.9 112.3

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#6

Chloroethane

Concen: 51.588 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX016024.D

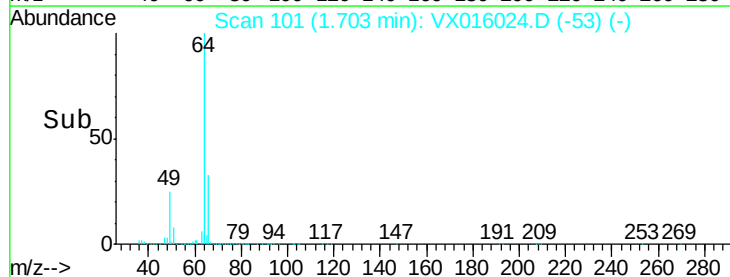
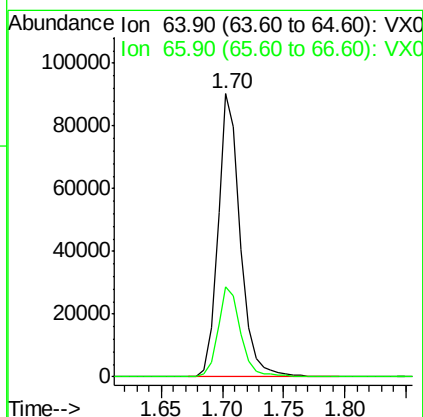
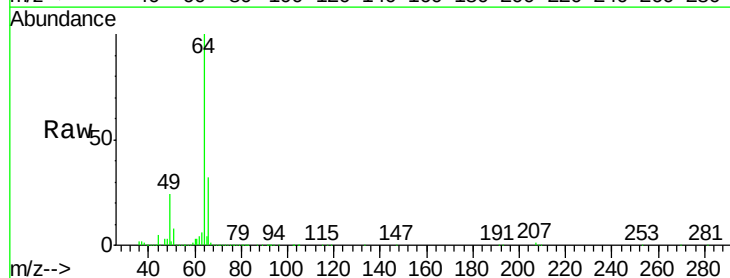
Acq: 01 May 2020 20:03

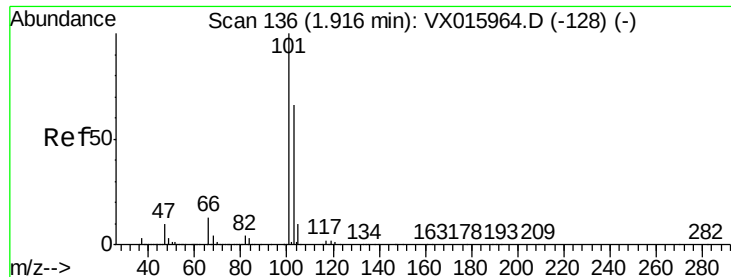
Tgt Ion: 64 Resp: 114182

Ion Ratio Lower Upper

64 100

66 31.6 26.2 39.2





#7

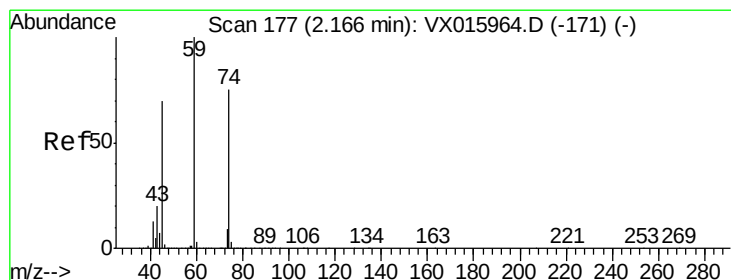
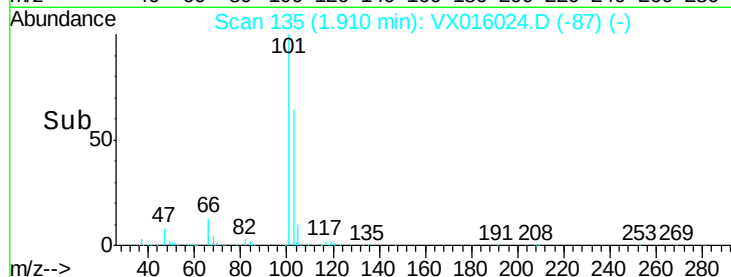
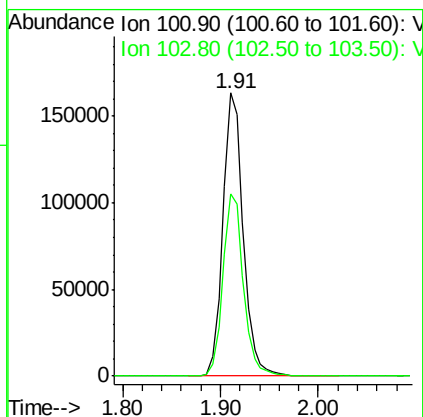
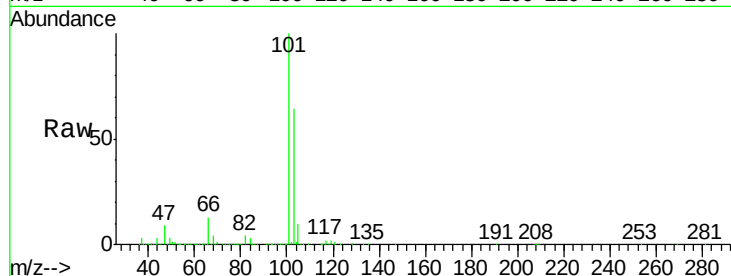
Trichlorofluoromethane
Concen: 46.657 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	234657		
103	64.2	52.4	78.6	

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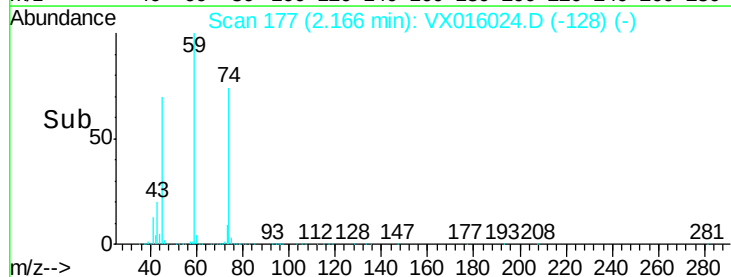
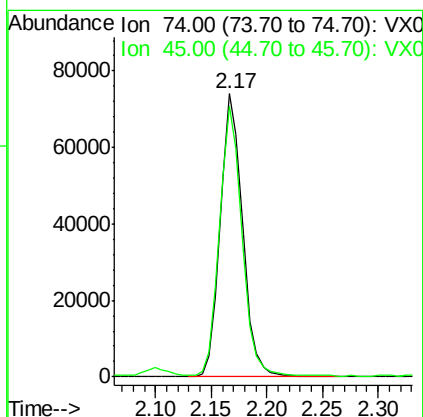
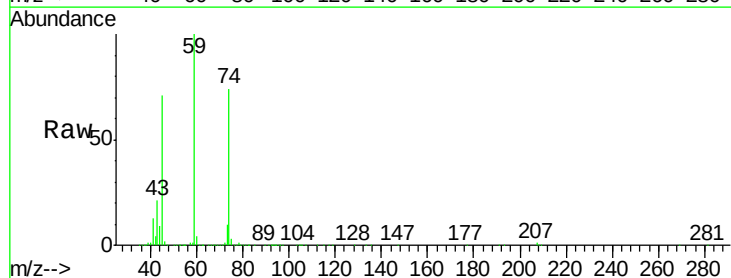
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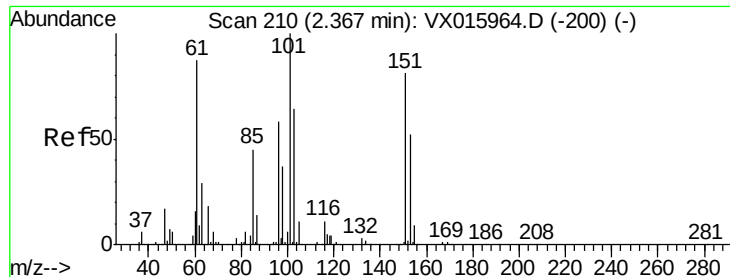


#8

Diethyl Ether
Concen: 48.961 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	102801		
45	96.0	47.1	141.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.353 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

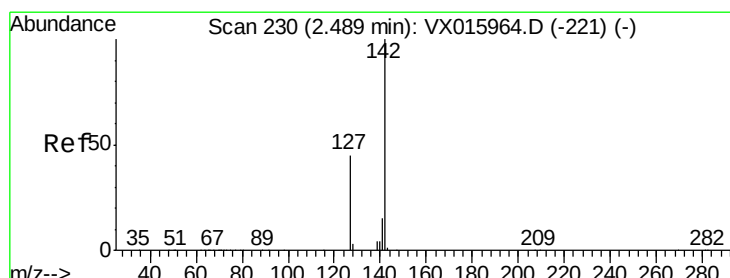
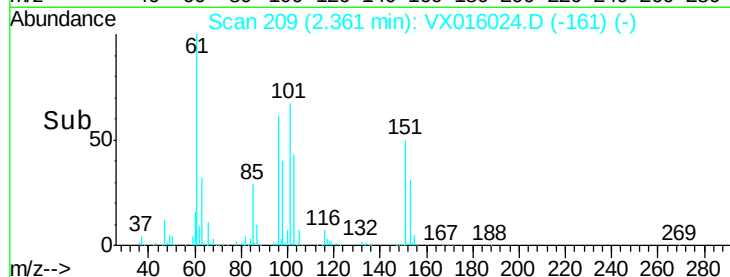
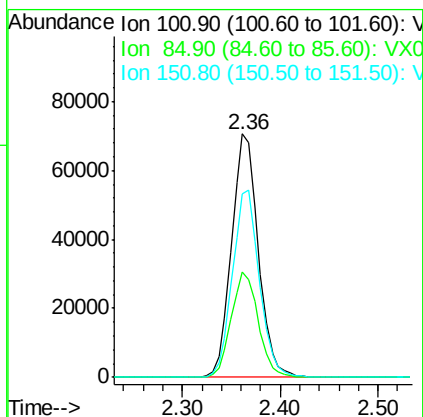
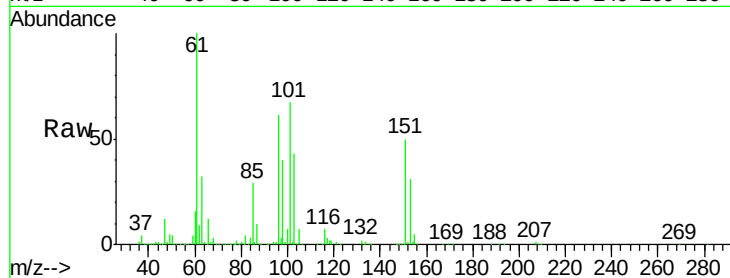
ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion:	101	Resp:	133755
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.3	54.5
151	78.0	63.1	94.7

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#10

Methyl Iodide

Concen: 52.118 ug/l

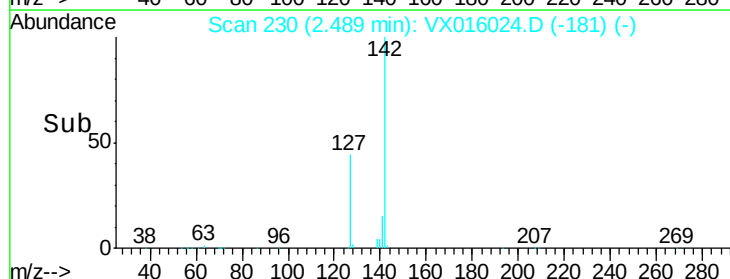
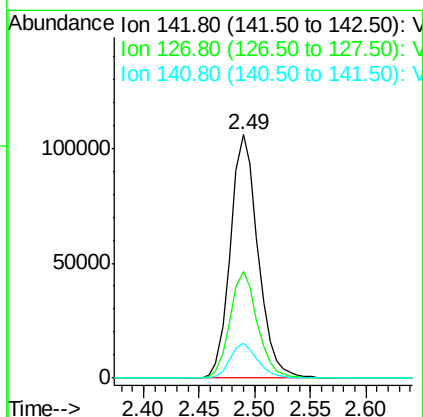
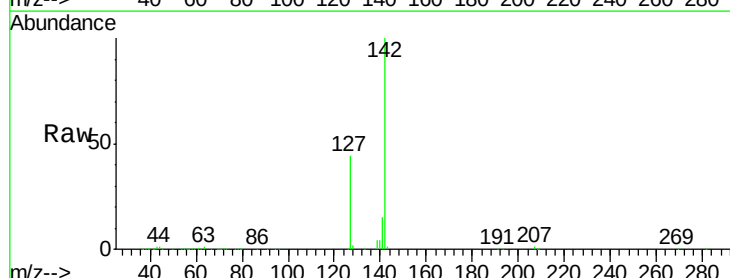
RT: 2.49 min Scan# 230

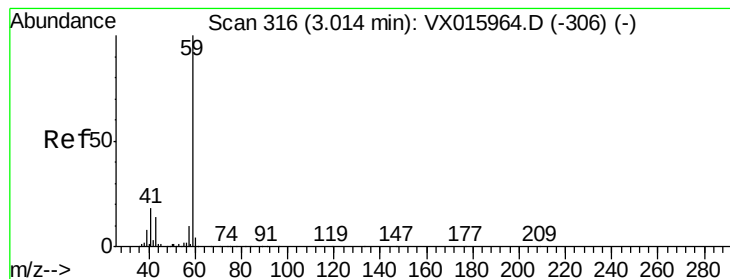
Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Tgt Ion:	142	Resp:	182267
Ion Ratio	Lower	Upper	
142	100		
127	43.7	36.5	54.7
141	14.2	11.6	17.4





#11

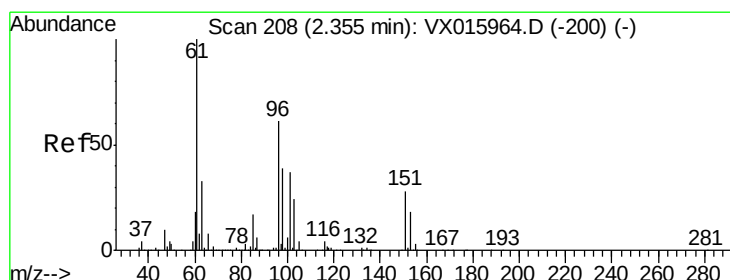
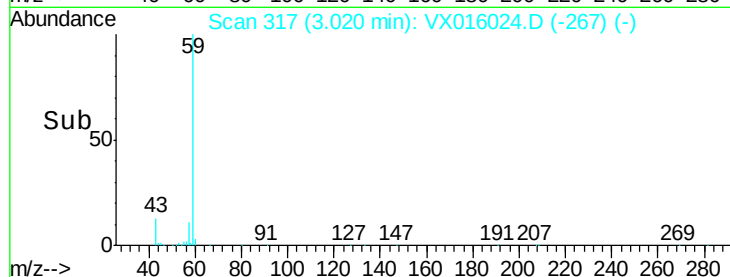
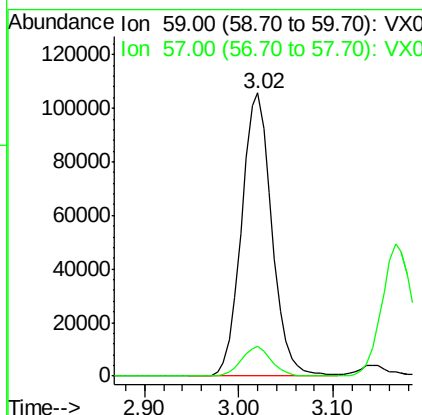
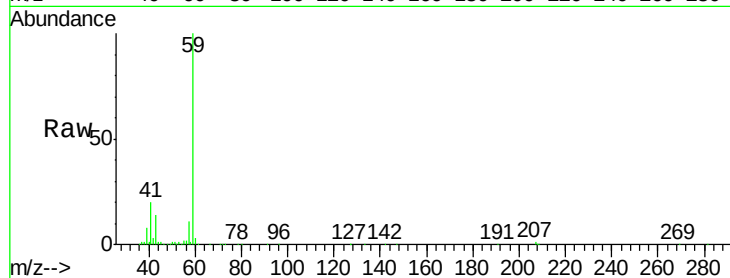
Tert butyl alcohol
Concen: 277.895 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

Manual Integrations
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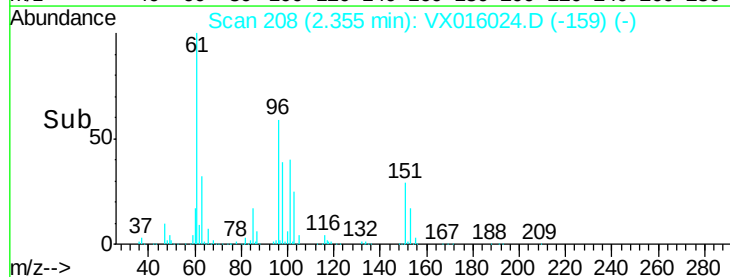
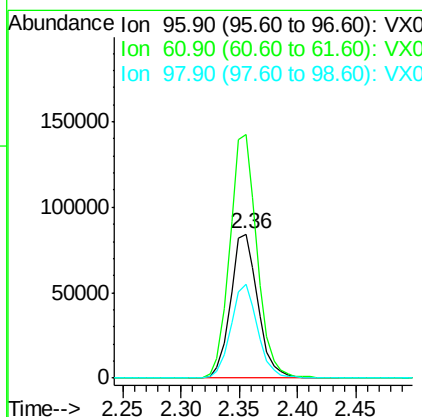
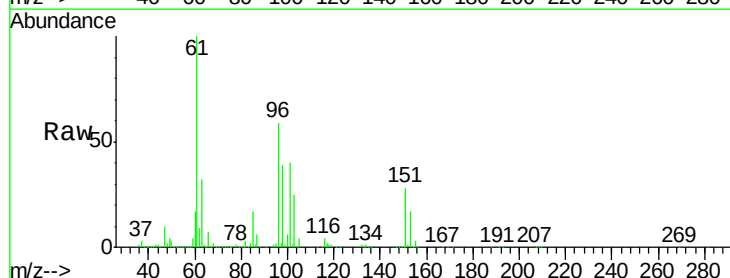
MMDadoda
5/4/2020 2:20:05 PM

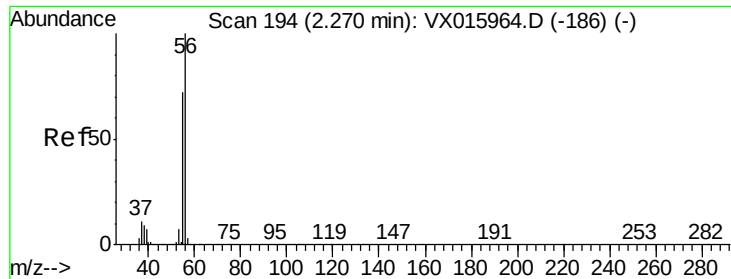


#12

1,1-Dichloroethene
Concen: 52.862 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.6	131.0	196.4
98	65.5	50.7	76.1





#13

Acrolein

Concen: 321.971 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion: 56 Resp: 69380

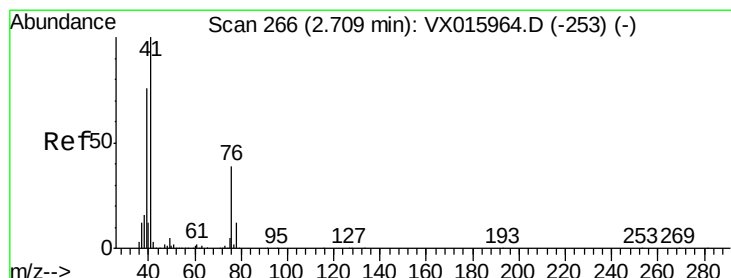
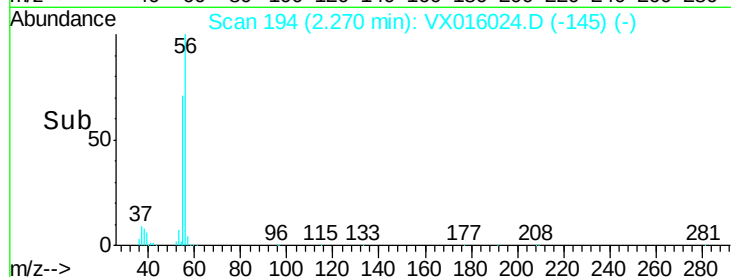
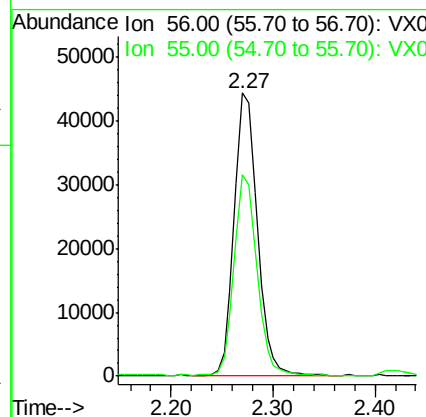
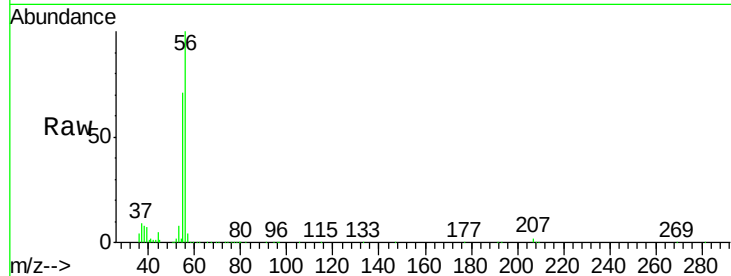
Ion Ratio Lower Upper

56 100

55 70.3 56.9 85.3

Manual Integrations
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#14

Allyl chloride

Concen: 55.537 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

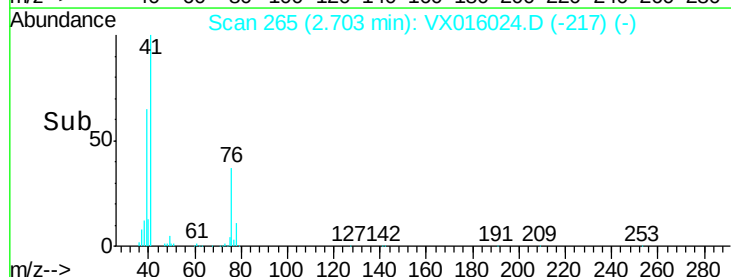
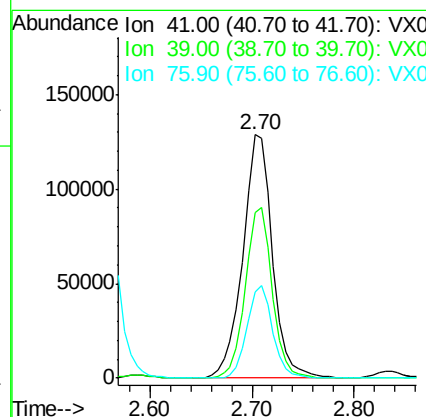
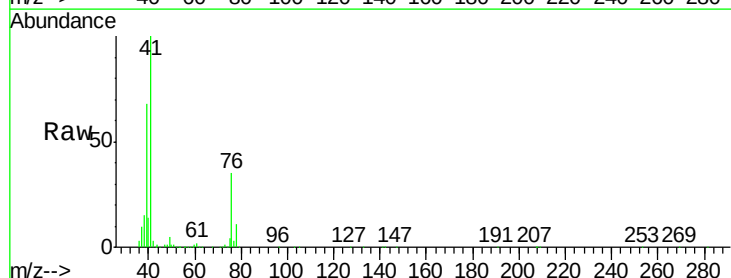
Tgt Ion: 41 Resp: 258858

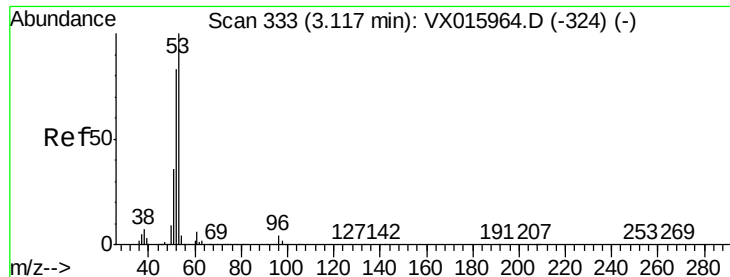
Ion Ratio Lower Upper

41 100

39 63.6 55.4 83.0

76 33.2 27.1 40.7





#15

Acrylonitrile

Concen: 285.102 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

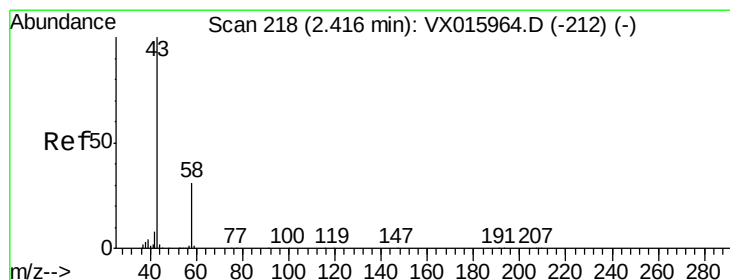
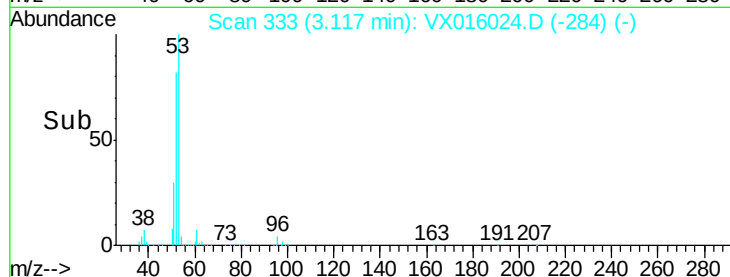
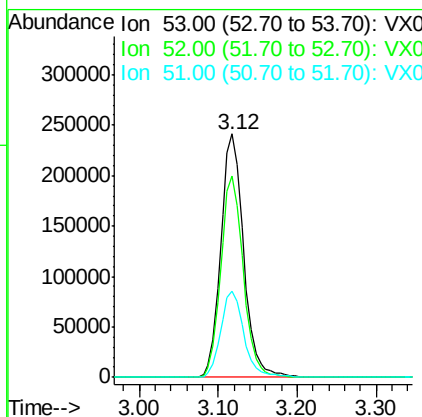
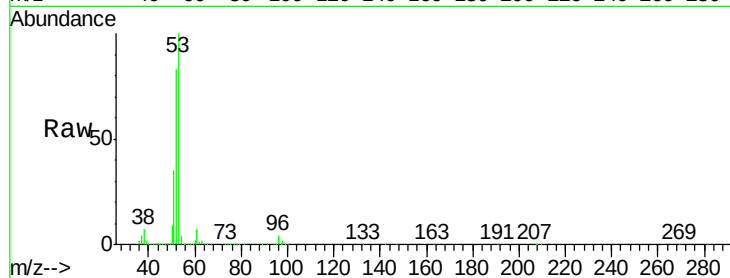
ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion:	53	Resp:	484718
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.5	98.3
51	36.1	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 280.957 ug/l

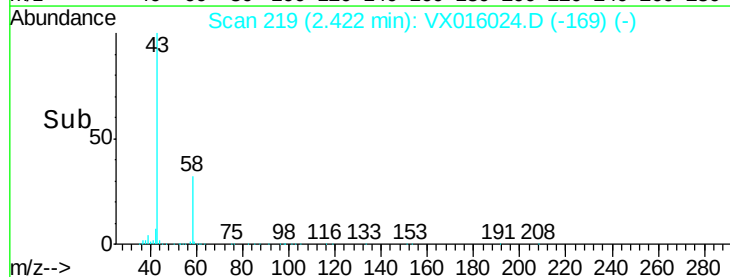
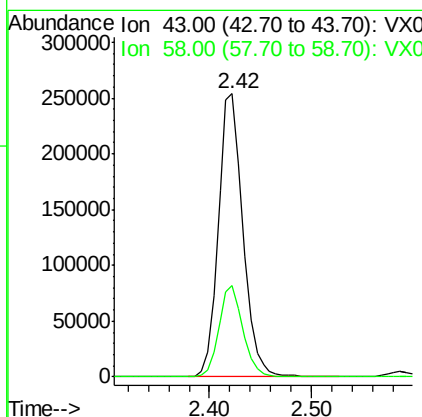
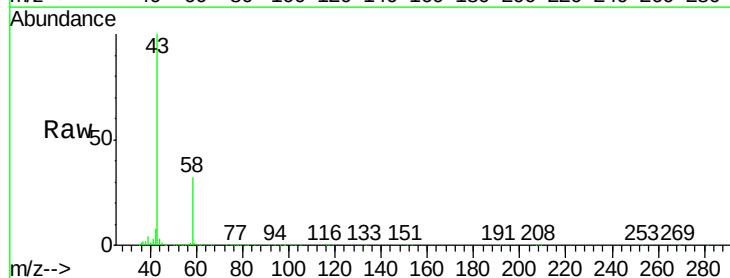
RT: 2.42 min Scan# 219

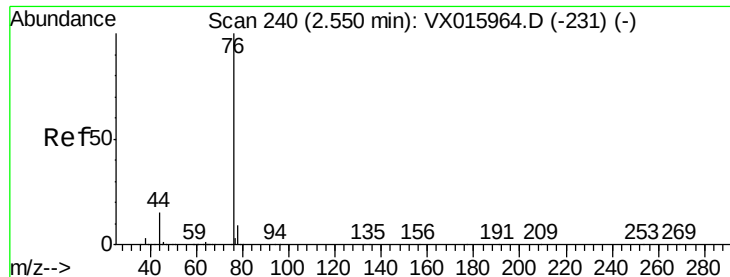
Delta R.T. 0.01 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Tgt Ion:	43	Resp:	424384
Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.1	37.7





#17

Carbon Disulfide

Concen: 52.785 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion: 76 Resp: 397948

Ion Ratio Lower Upper

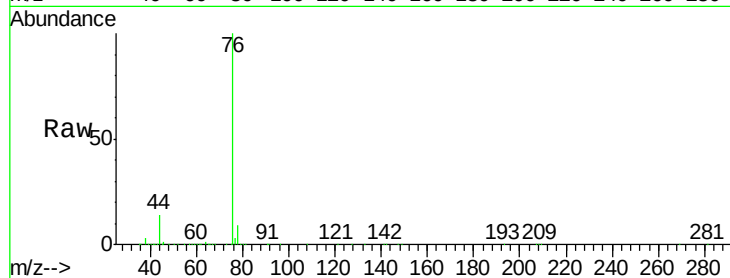
76 100

78 9.0 7.4 11.0

Manual Integrations
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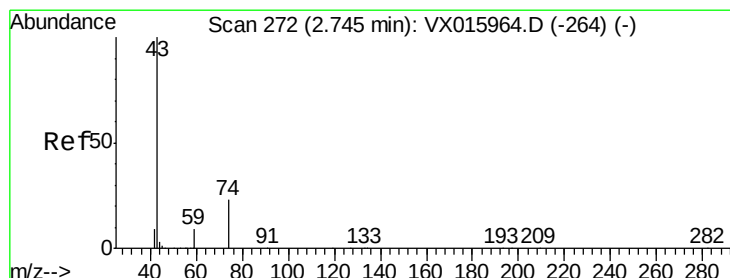
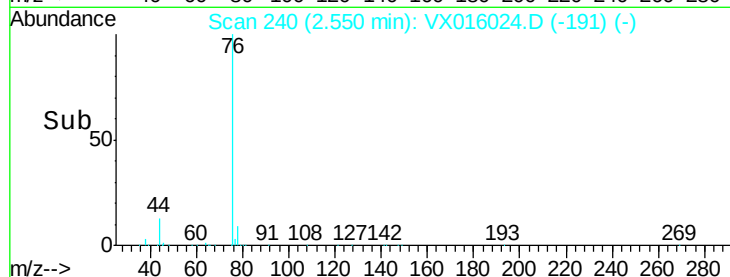
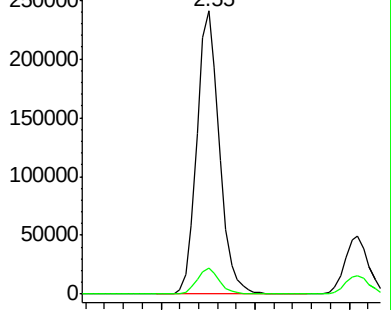
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 51.447 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX016024.D

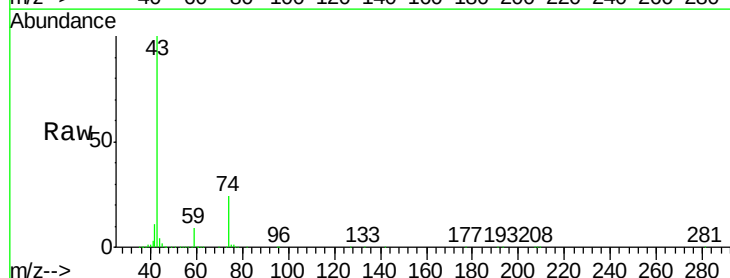
Acq: 01 May 2020 20:03

Tgt Ion: 43 Resp: 220521

Ion Ratio Lower Upper

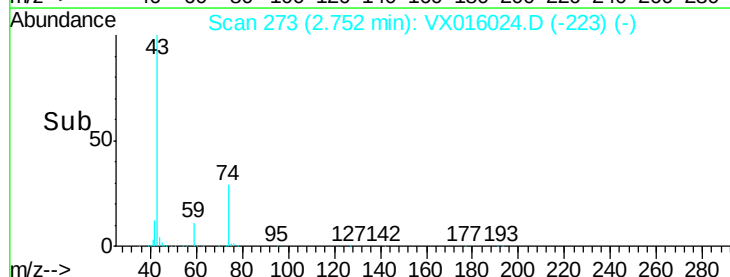
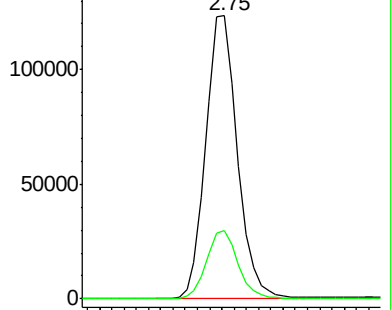
43 100

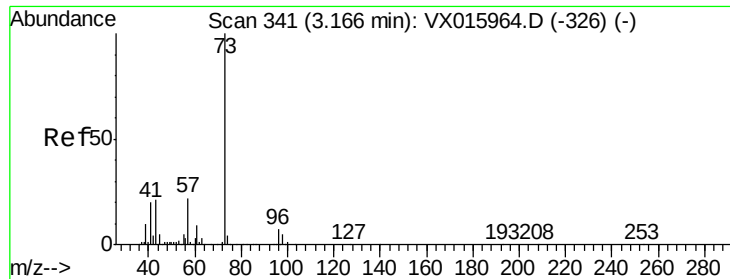
74 24.6 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





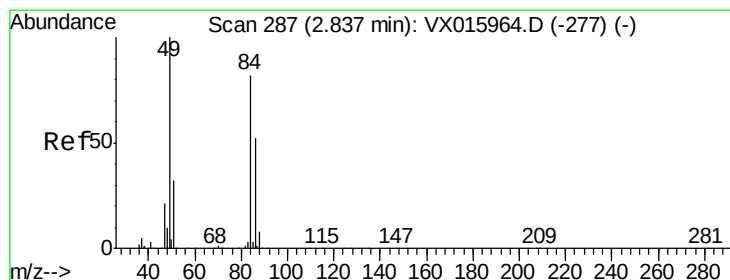
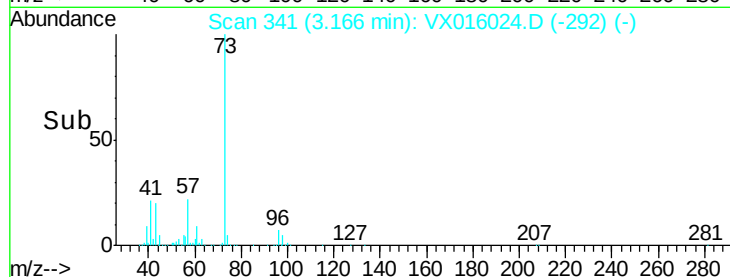
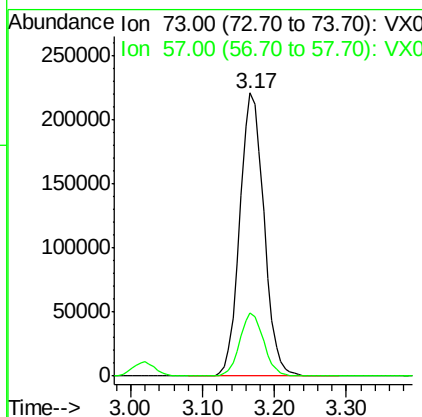
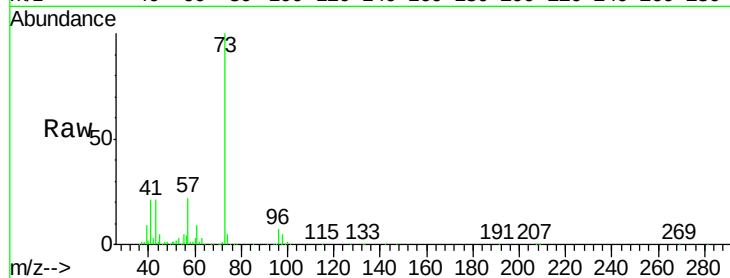
#19
Methyl tert-butyl Ether
Concen: 54.774 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.5	26.3

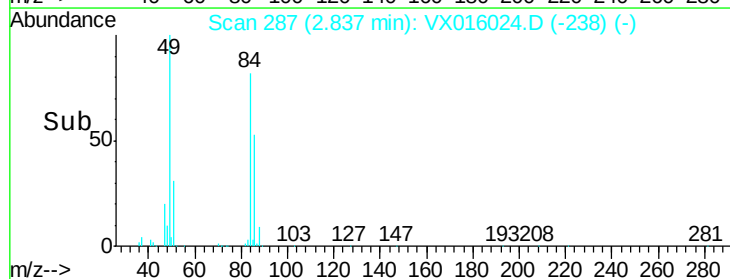
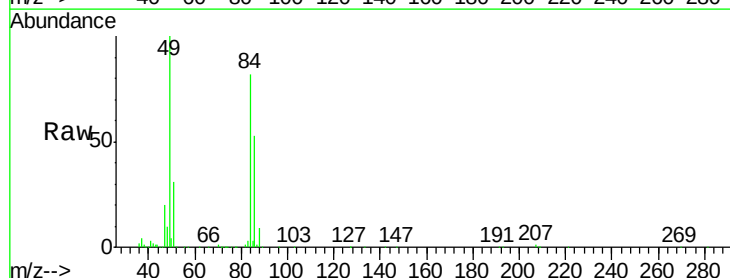
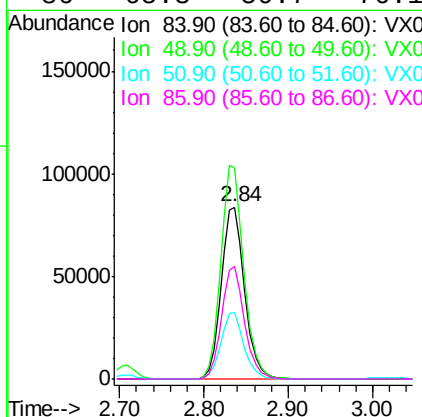
Manual Integrations
APPROVED

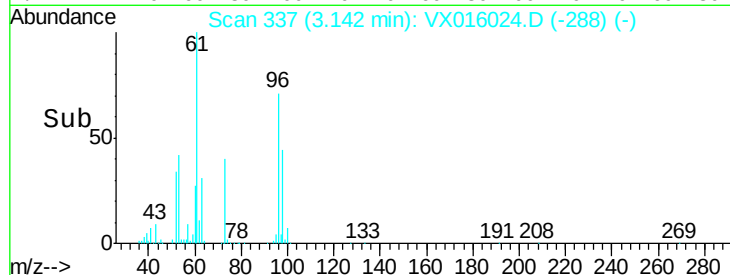
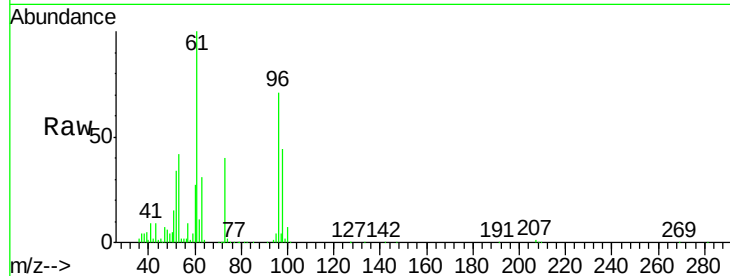
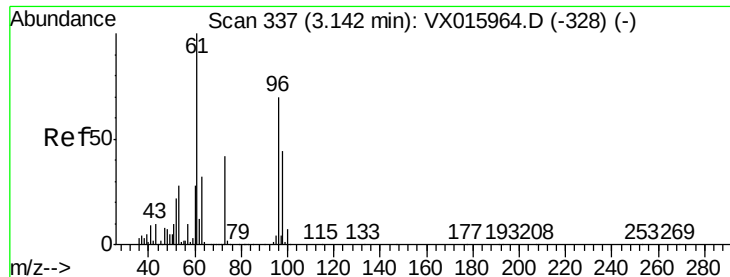
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#20
Methylene Chloride
Concen: 53.281 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.5	97.9	146.9
51	38.4	31.2	46.8
86	65.3	50.7	76.1





#21

trans-1,2-Dichloroethene

Concen: 52.445 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Tot Ion:	96	Resp:	152780
Ion	Ratio	Lower	Upper
96	100		
61	140.3	113.6	170.4
98	62.3	50.3	75.5

Instrument :

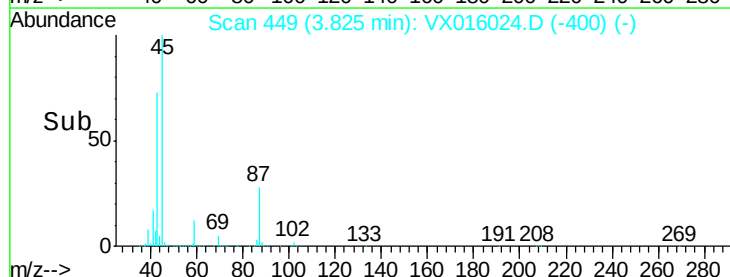
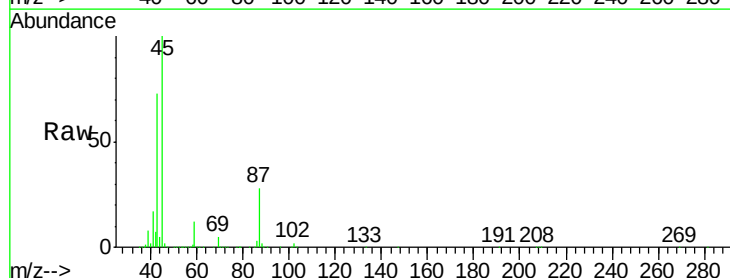
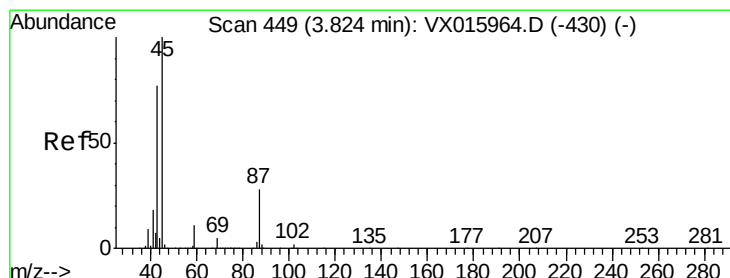
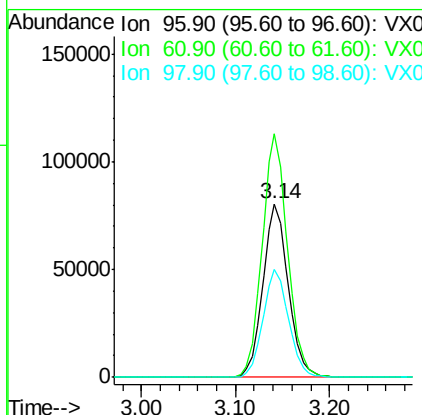
MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.513 ug/l

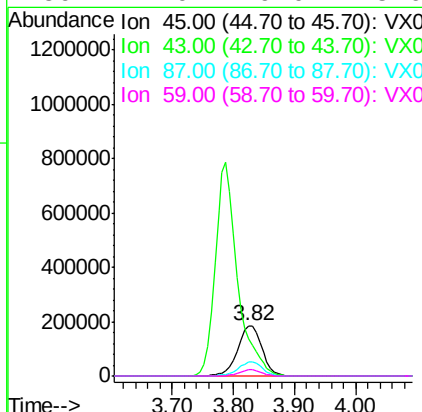
RT: 3.82 min Scan# 449

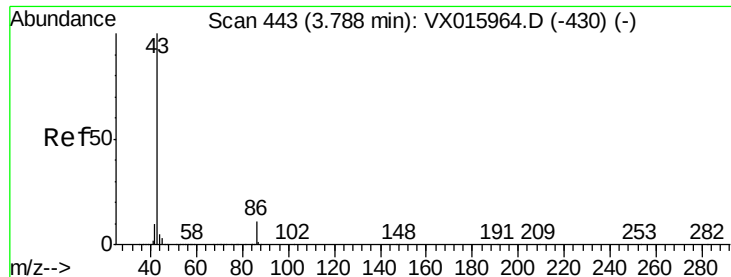
Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Tgt Ion:	45	Resp:	508695
Ion	Ratio	Lower	Upper
45	100		
43	72.9	61.3	91.9
87	28.1	22.6	33.8
59	12.0	9.0	13.6





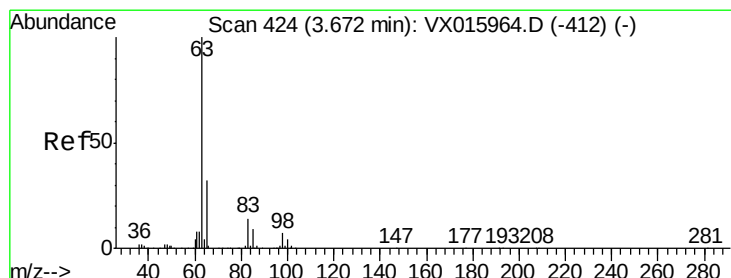
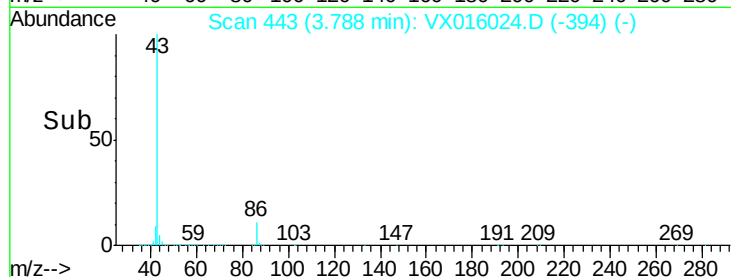
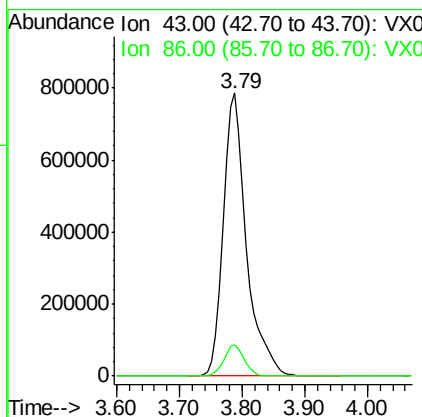
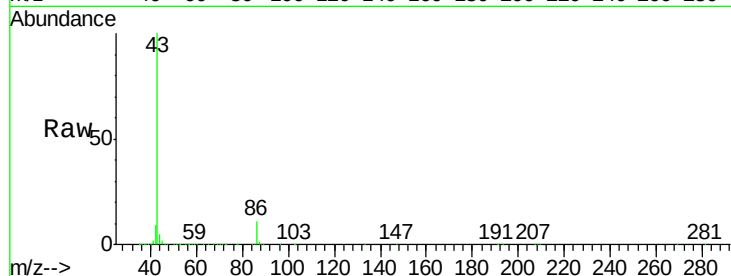
#23
Vinyl Acetate
Concen: 251.395 ug/l
RT: 3.79 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion: 43 Resp: 2001143
Ion Ratio Lower Upper
43 100
86 10.9 8.9 13.3

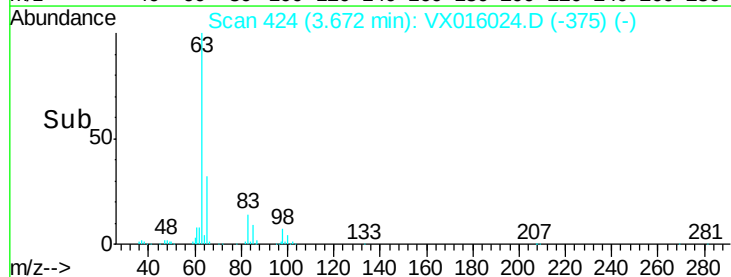
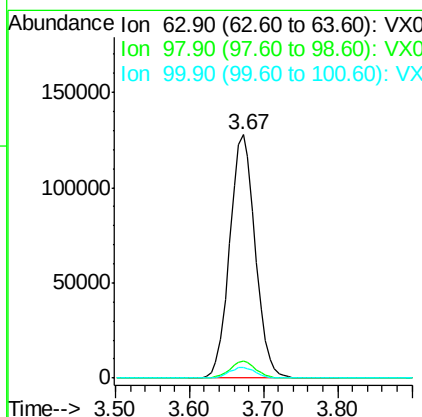
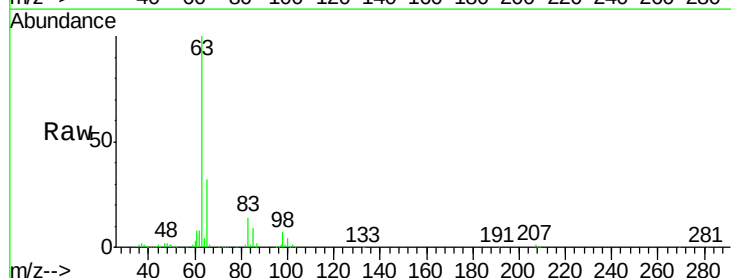
Manual Integrations
APPROVED

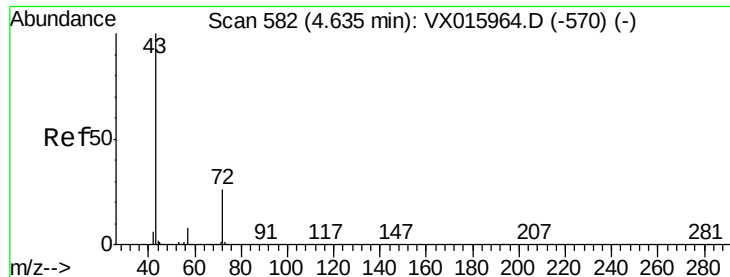
MMDadoda
5/4/2020 2:20:05 PM



#24
1,1-Dichloroethane
Concen: 60.036 ug/l
RT: 3.67 min Scan# 424
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion: 63 Resp: 306465
Ion Ratio Lower Upper
63 100
98 7.1 3.6 10.8
100 4.4 2.2 6.6





#25

2-Butanone

Concen: 282.213 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion: 43 Resp: 690783

Ion Ratio Lower Upper

43 100

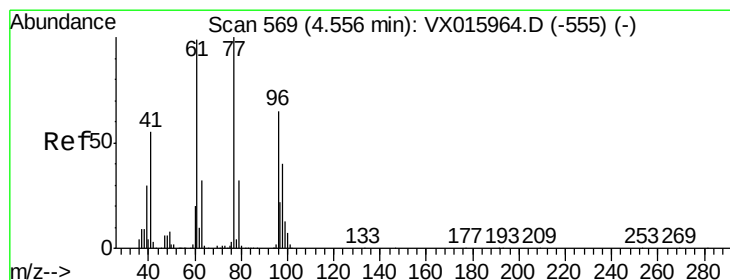
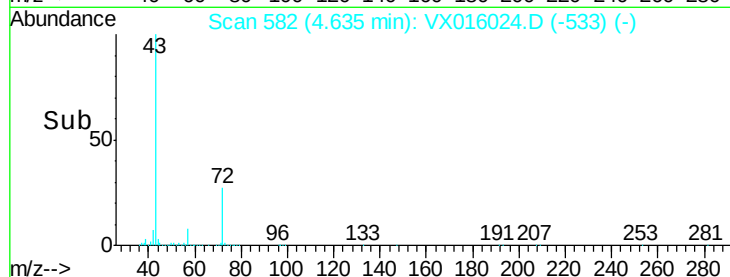
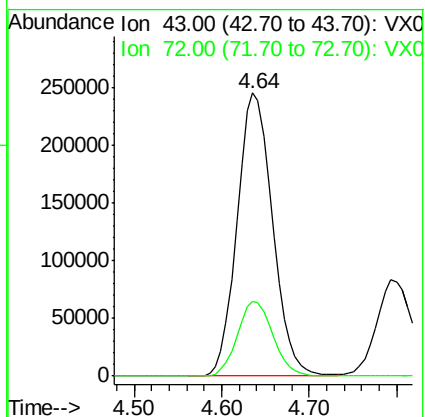
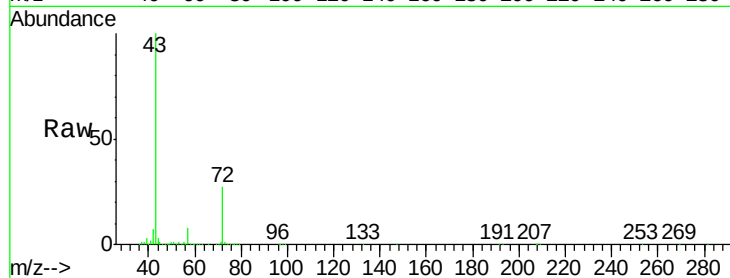
72 26.5 21.0 31.4

Manual Integrations

APPROVED

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5/4/2020 2:20:05 PM



#26

2,2-Dichloropropane

Concen: 47.526 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.00 min

Lab File: VX016024.D

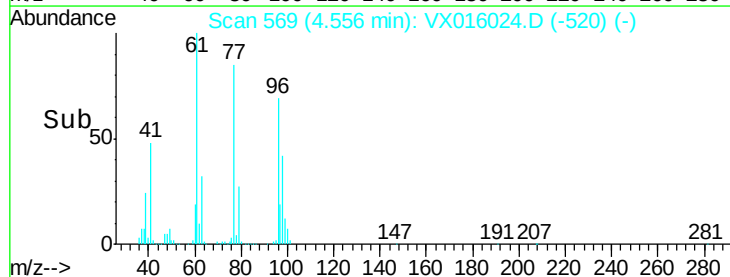
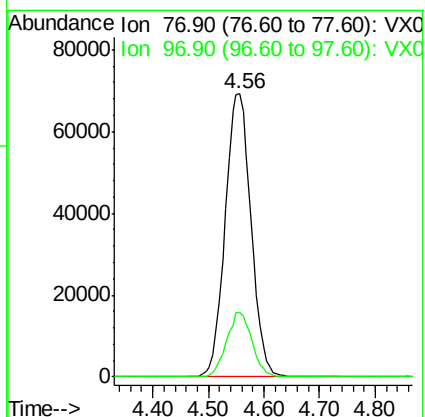
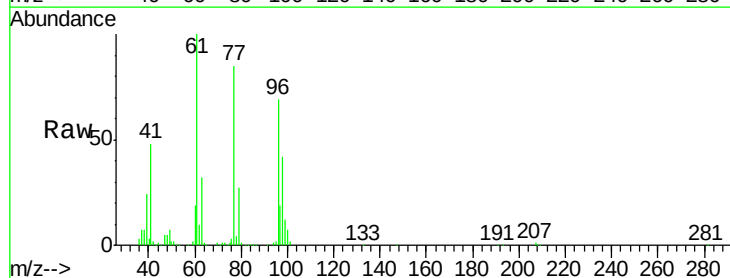
Acq: 01 May 2020 20:03

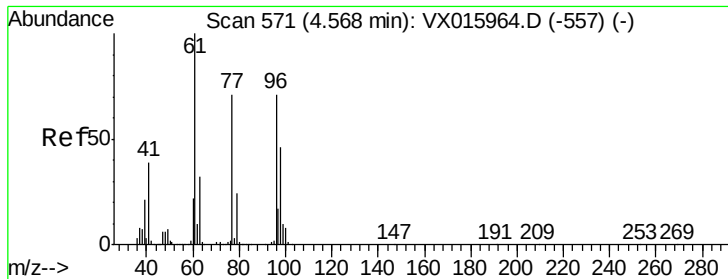
Tgt Ion: 77 Resp: 221821

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 53.633 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

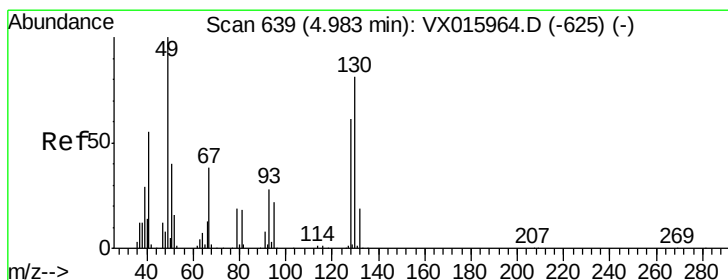
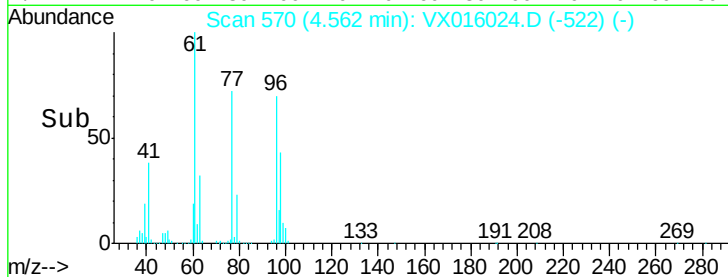
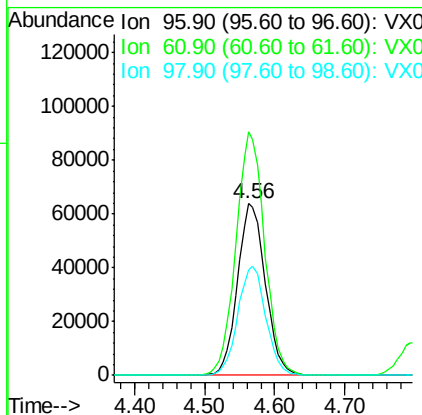
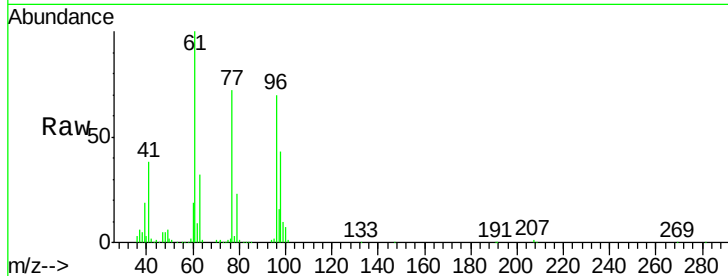
ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion:	96	Resp:	177304
Ion Ratio	Lower	Upper	
96	100		
61	145.2	0.0	294.2
98	63.8	0.0	127.4

Manual Integrations
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#28

Bromochloromethane

Concen: 49.403 ug/l

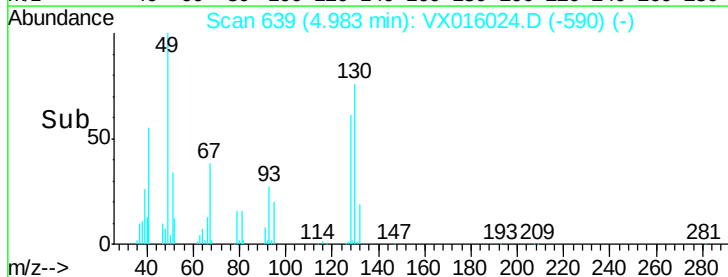
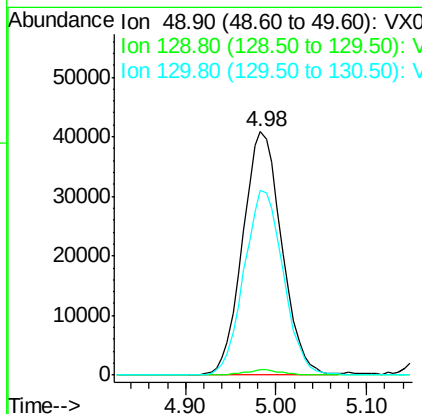
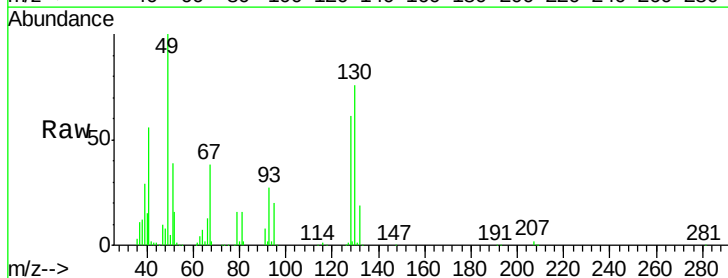
RT: 4.98 min Scan# 639

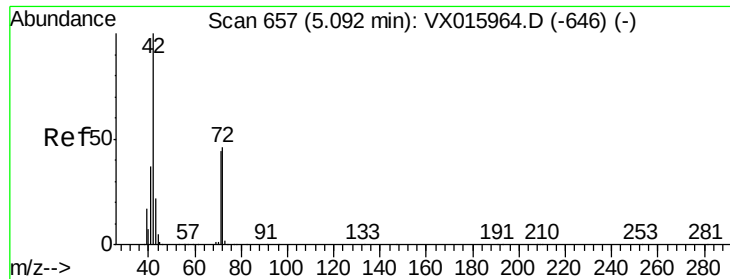
Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Tgt Ion:	49	Resp:	122036
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.6
130	76.2	63.9	95.9





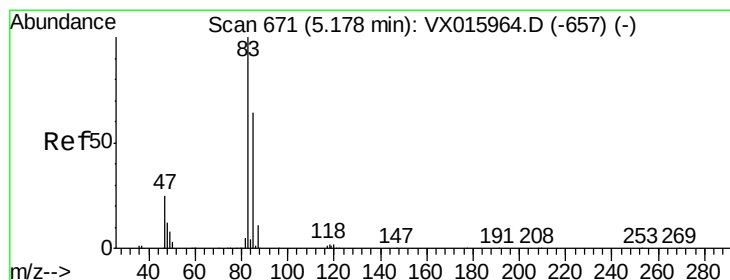
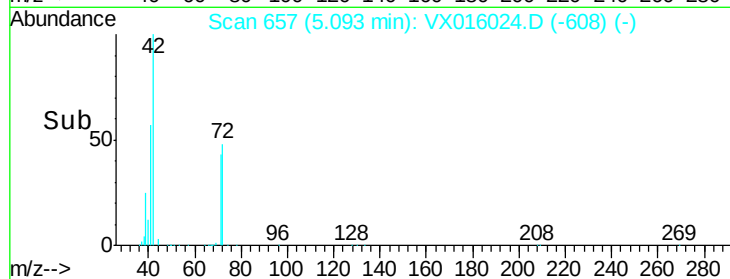
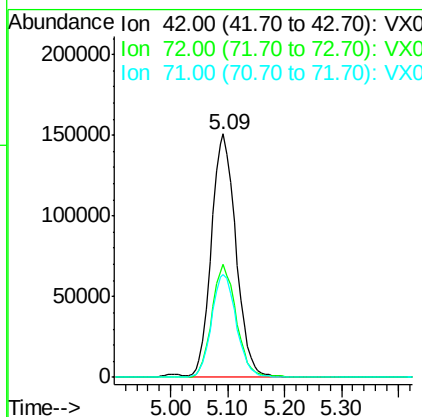
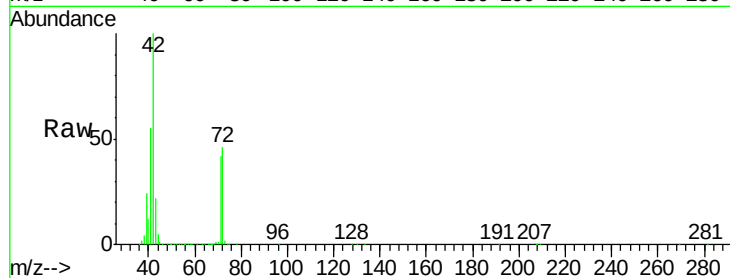
#29
Tetrahydrofuran
Concen: 281.644 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.4	56.0
71	42.7	34.6	52.0

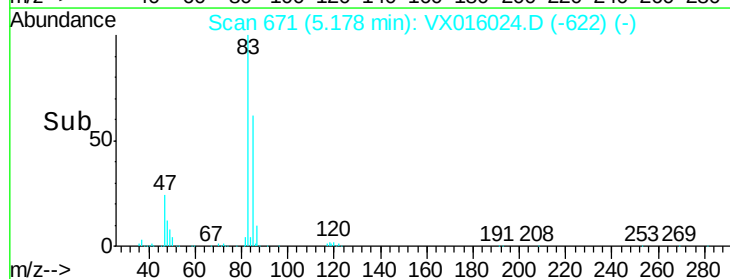
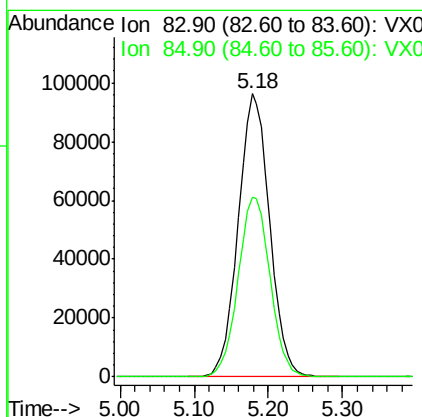
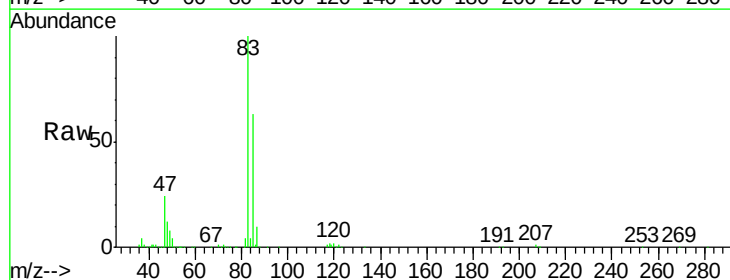
Manual Integrations
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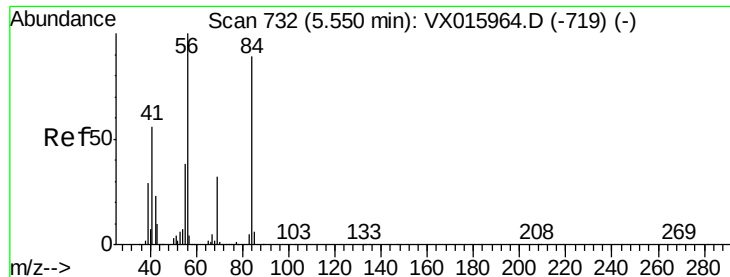
MMDadoda
5/4/2020 2:20:05 PM



#30
Chloroform
Concen: 53.670 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.0	76.4





#31

Cyclohexane

Concen: 54.472 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

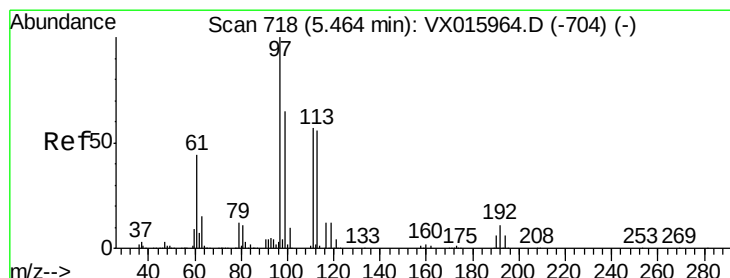
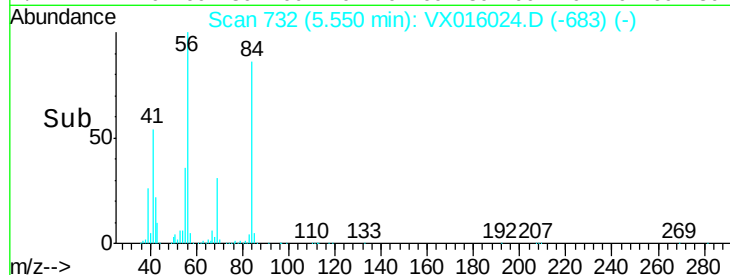
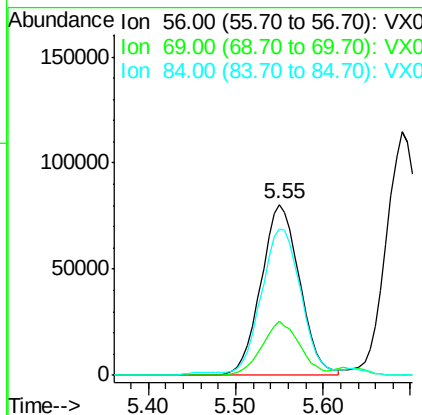
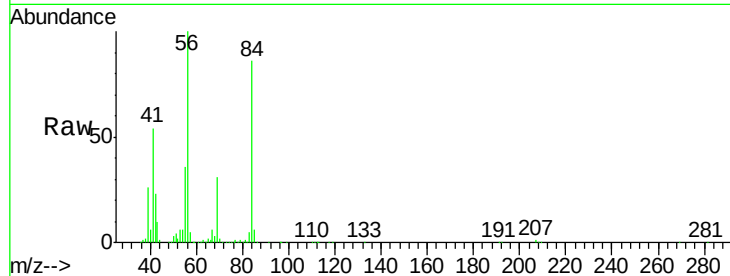
ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion:	56	Resp:	247546
Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.4	38.2
84	84.7	71.0	106.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.825 ug/l

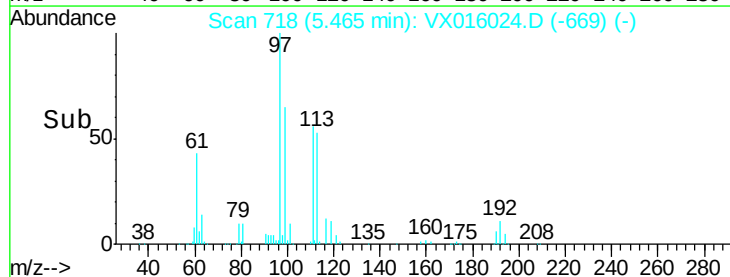
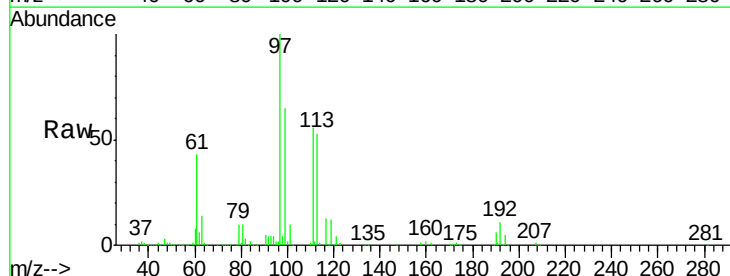
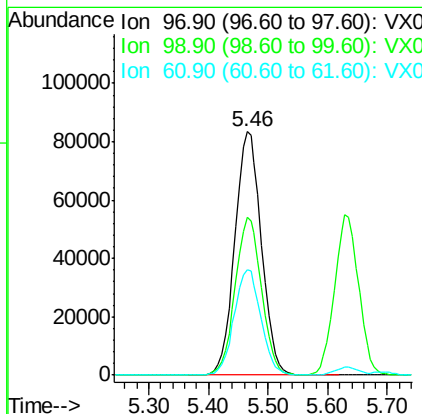
RT: 5.46 min Scan# 718

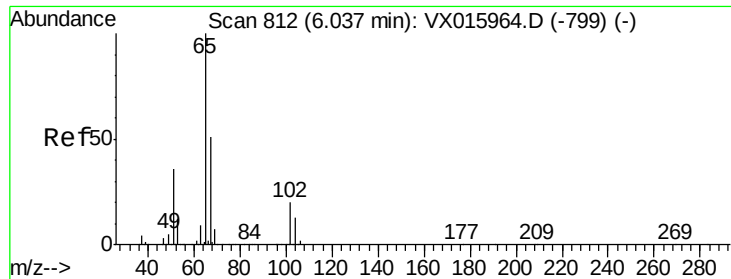
Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Tgt Ion:	97	Resp:	258174
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	43.7	35.7	53.5





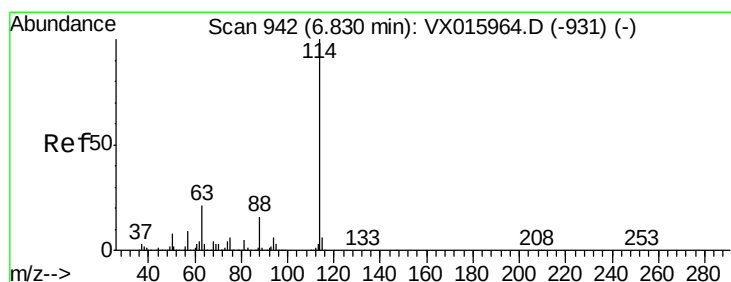
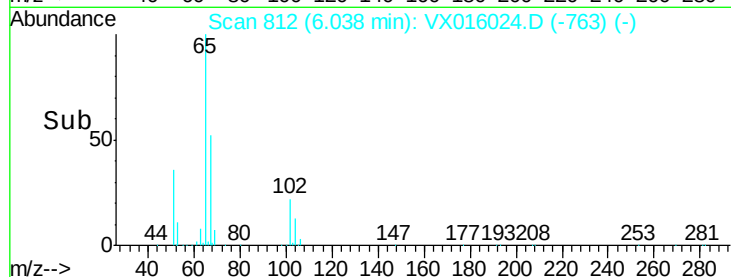
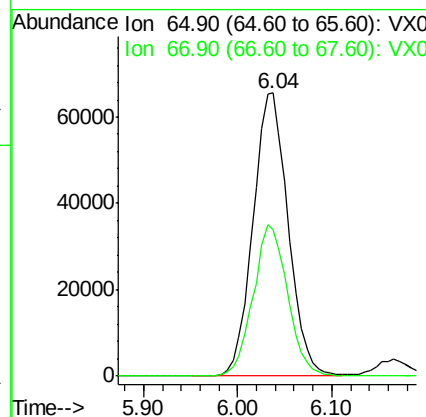
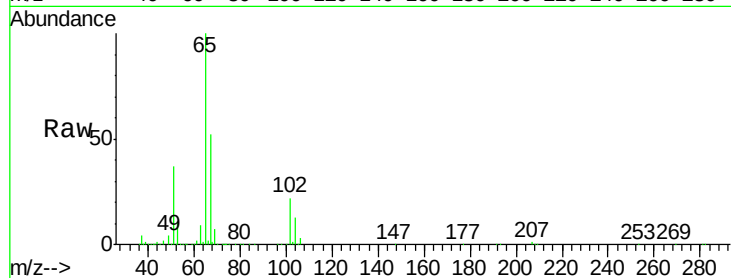
#33
 1,2-Dichloroethane-d4
 Concen: 48.589 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	171633		
67	52.7	0.0	102.4	

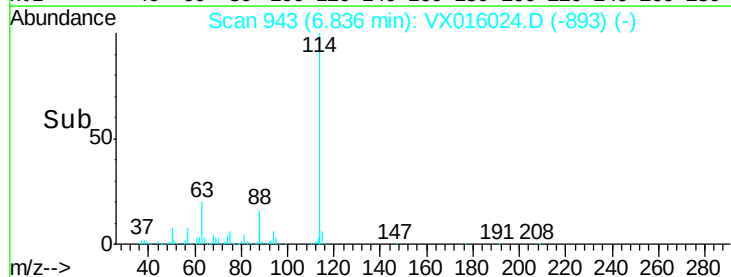
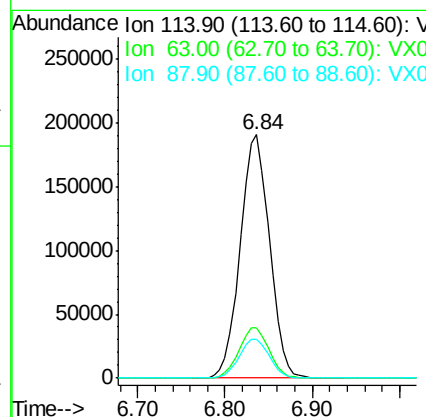
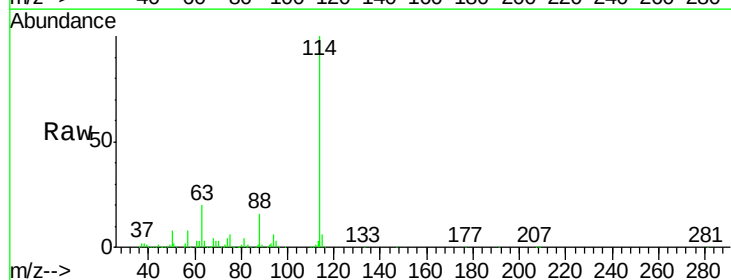
Manual Integrations
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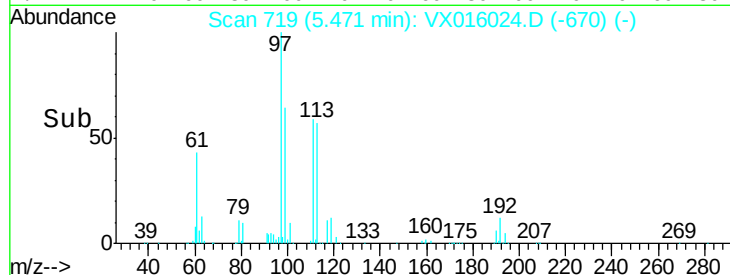
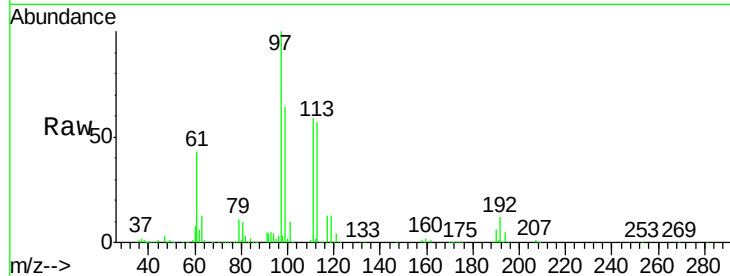
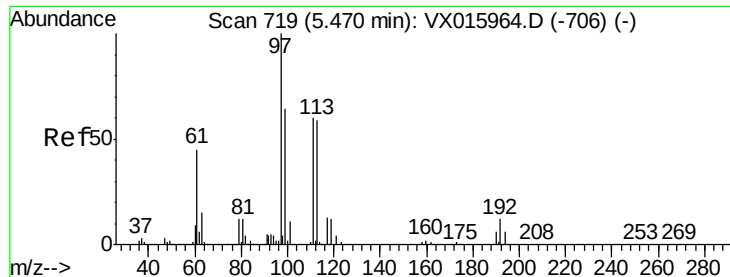
MMDadoda
 5/4/2020 2:20:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	445153		
63	20.4	0.0	41.2	
88	16.1	0.0	31.8	





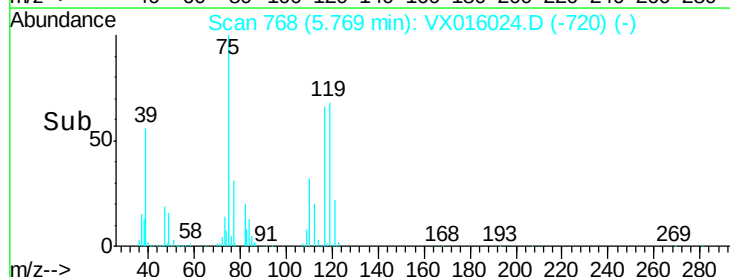
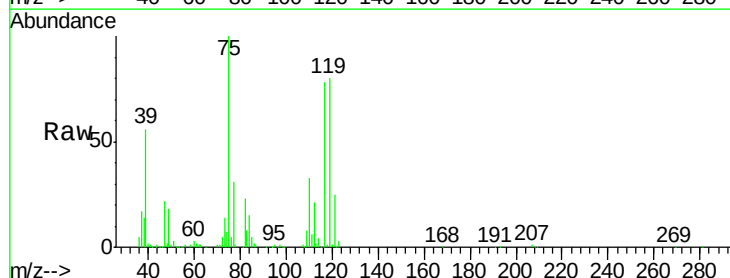
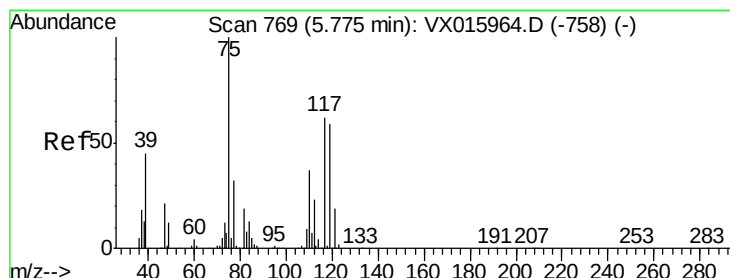
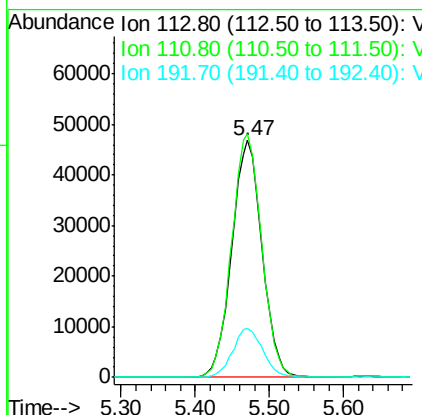
#35
Dibromofluoromethane
Concen: 47.940 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tot Ion:	113	Resp:	133124
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.8	122.8
192	20.7	16.8	25.2

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

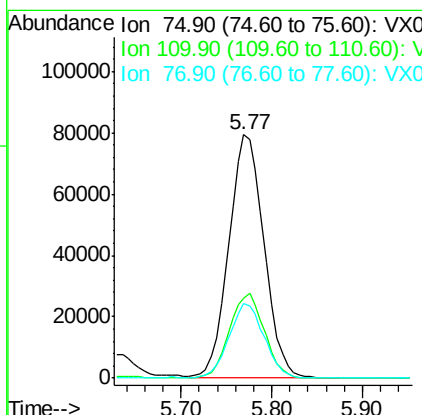
Manual Integrations
APPROVED

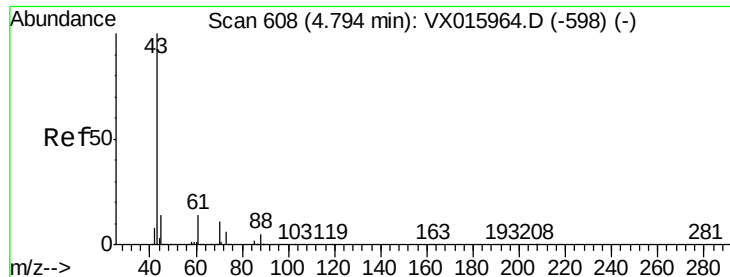
MMDadoda
5/4/2020 2:20:05 PM



#36
1,1-Dichloropropene
Concen: 50.112 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.01 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion:	75	Resp:	212465
Ion Ratio	Lower	Upper	
75	100		
110	34.7	17.9	53.7
77	30.6	25.2	37.8





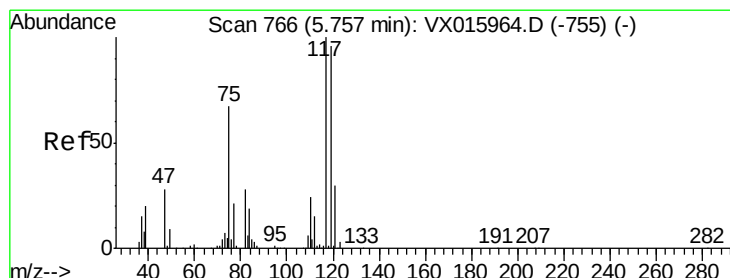
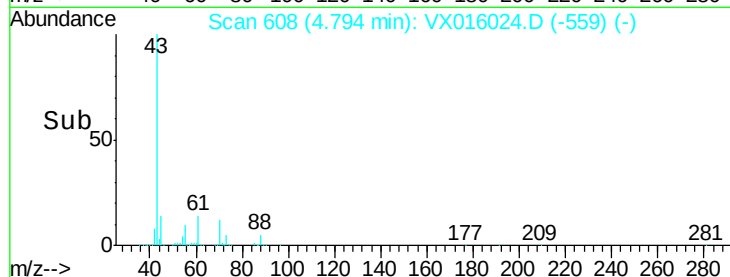
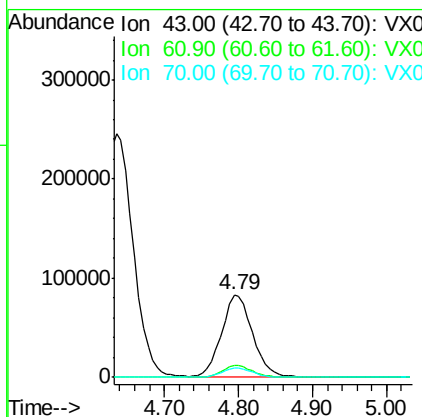
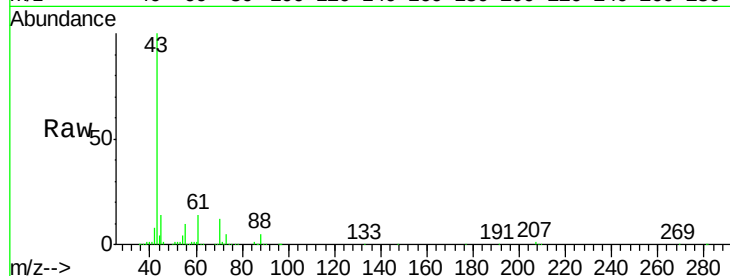
#37
Ethyl Acetate
Concen: 49.585 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion	43	Resp	241066
Ion Ratio	Lower	Upper	
43	100		
61	14.2	11.6	17.4
70	11.4	8.9	13.3

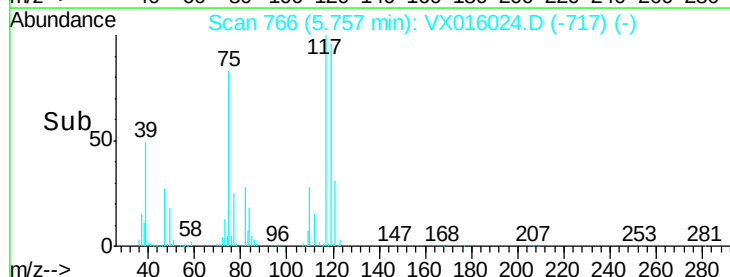
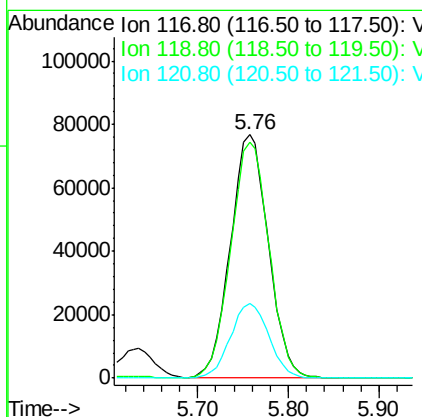
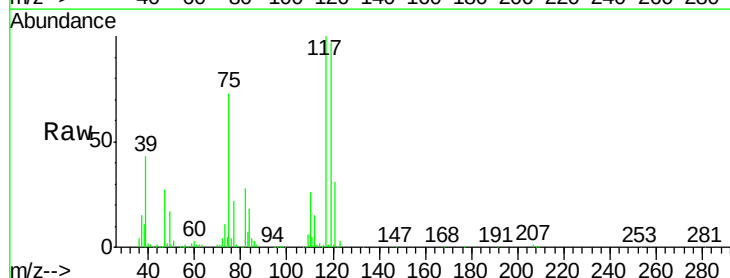
Manual Integrations
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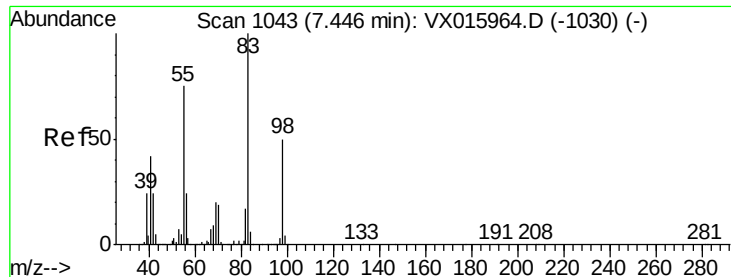
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.585 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	117	Resp	222053
Ion Ratio	Lower	Upper	
117	100		
119	96.8	76.2	114.4
121	31.0	24.2	36.4





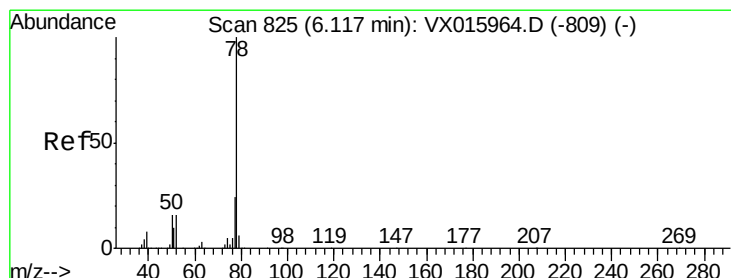
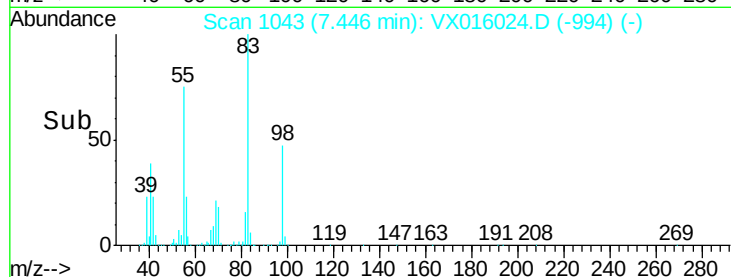
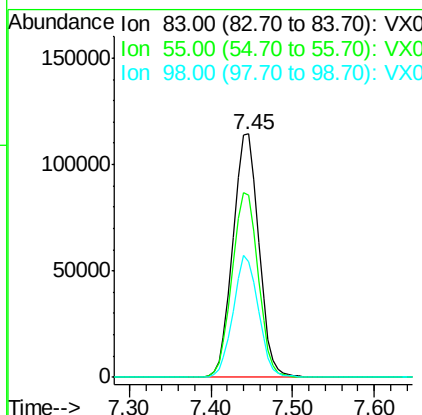
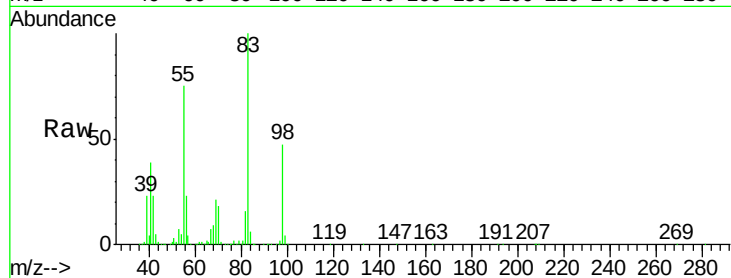
#39
Methylvlcyclohexane
Concen: 51.140 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	250800		
55	74.8		59.9	89.9
98	47.3		39.9	59.9

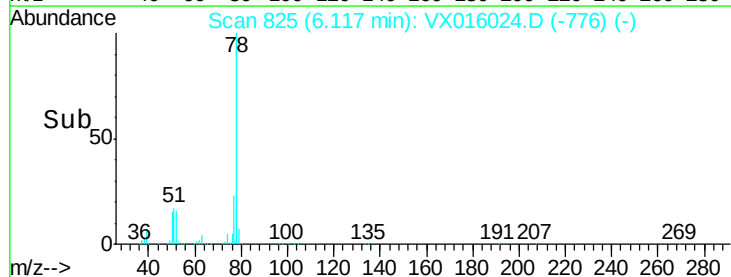
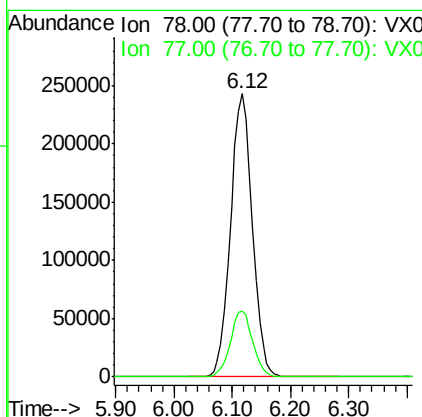
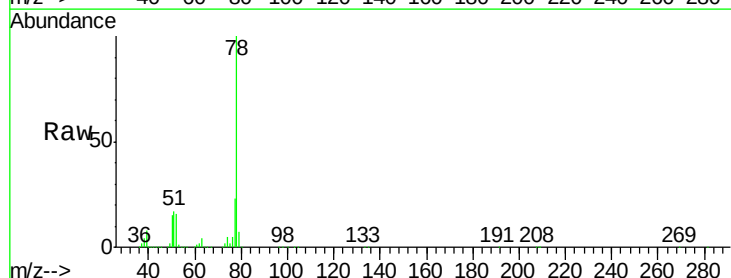
Manual Integrations
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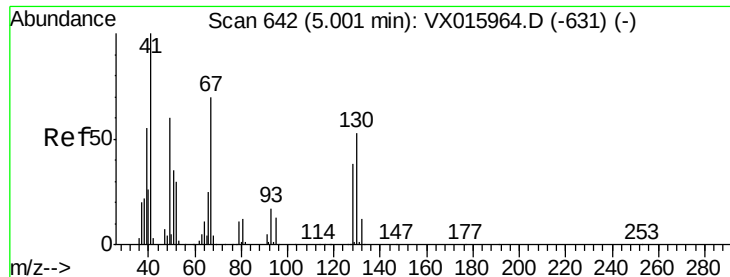
MMDadoda
5/4/2020 2:20:05 PM



#40
Benzene
Concen: 52.234 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	631896		
77	23.3		18.8	28.2





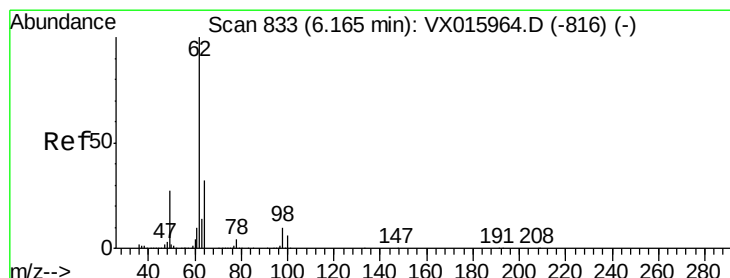
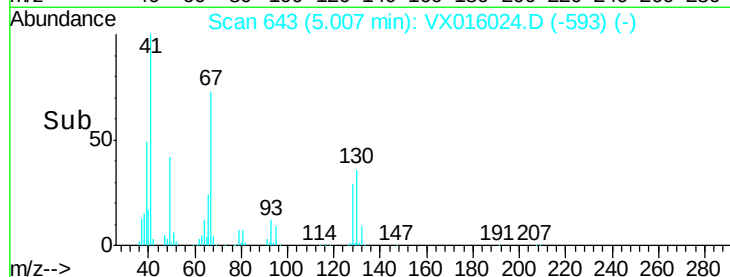
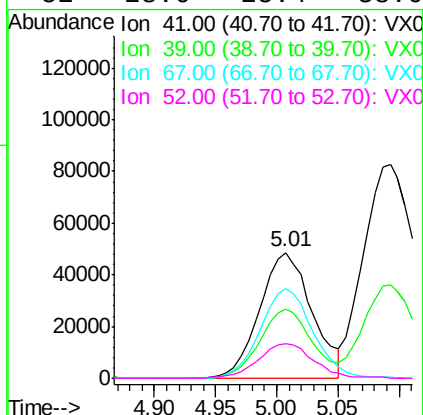
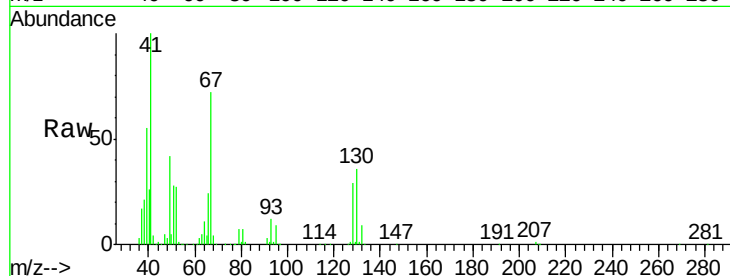
#41
Methacrylonitrile
Concen: 55.412 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.7	45.2	67.8	
67	72.1	59.4	89.2	
52	28.6	25.4	38.0	

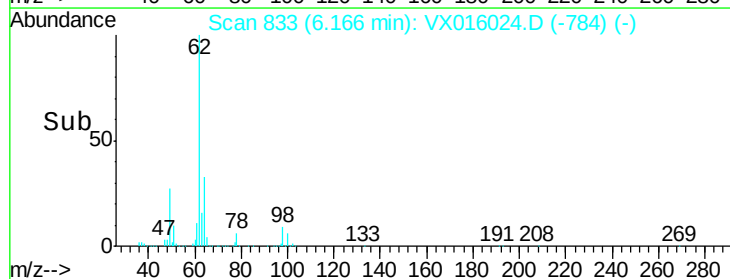
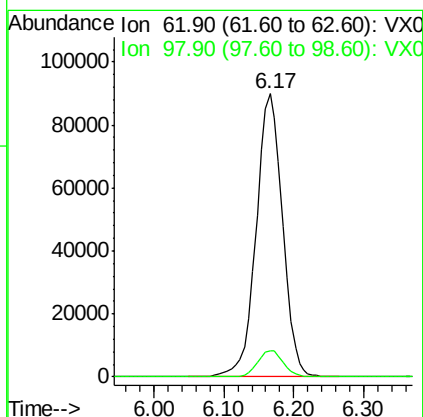
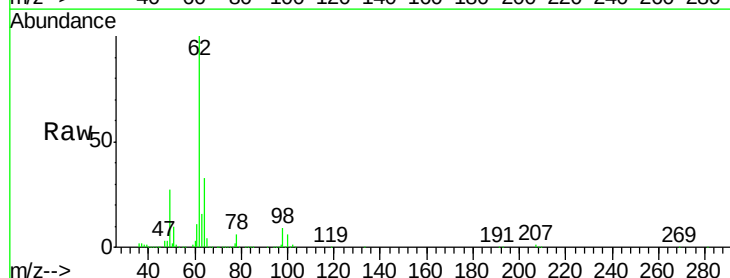
Manual Integrations
APPROVED

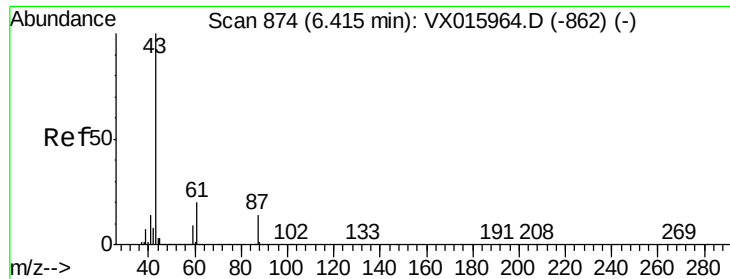
MMDadoda
5/4/2020 2:20:05 PM



#42
1,2-Dichloroethane
Concen: 50.199 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	18.4	





#43

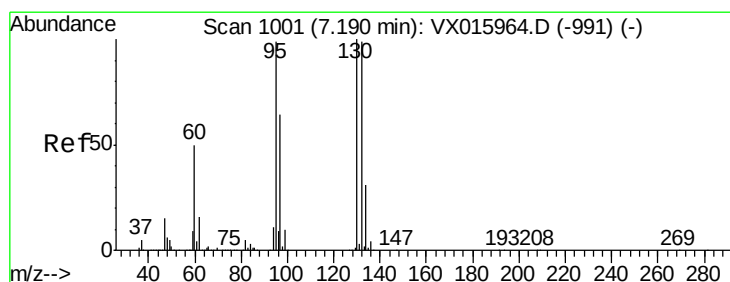
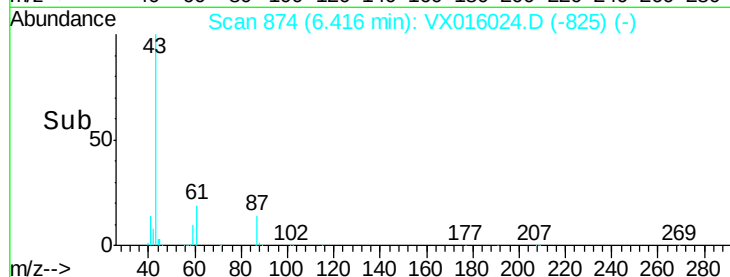
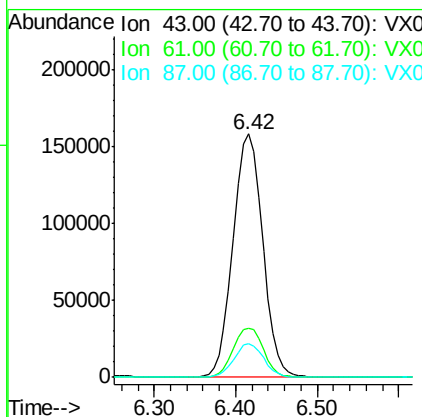
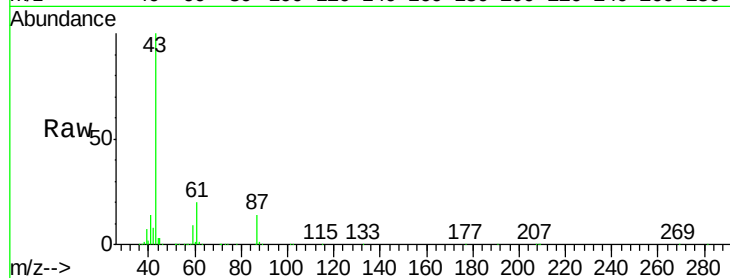
Isopropyl Acetate
 Concen: 49.479 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.1	24.1
87	13.9	10.9	16.3

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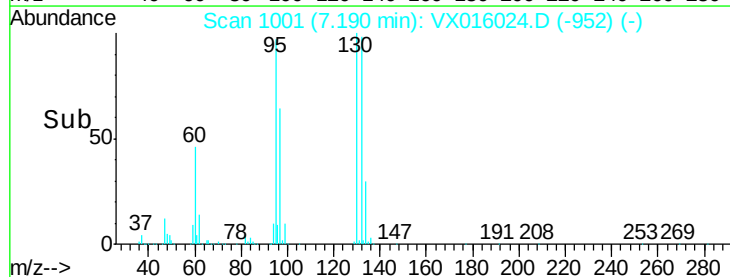
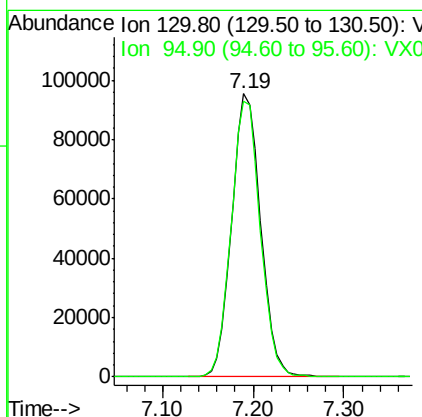
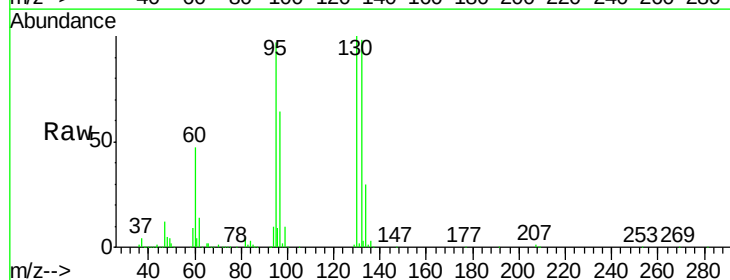
MMDadoda
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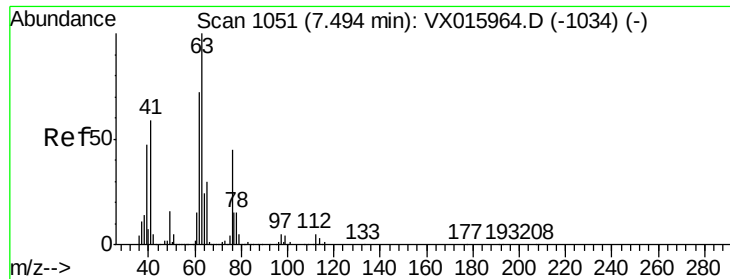


#44

Trichloroethene
 Concen: 48.511 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	197.4





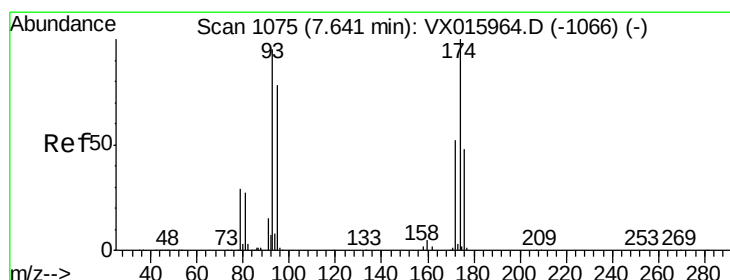
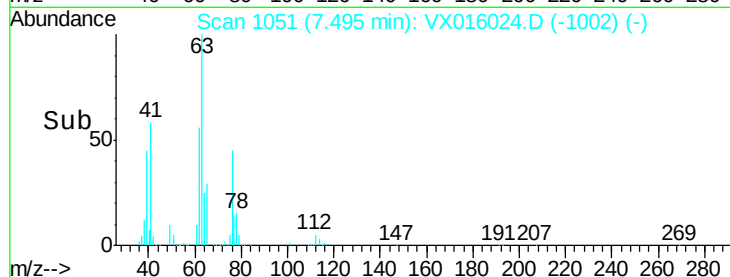
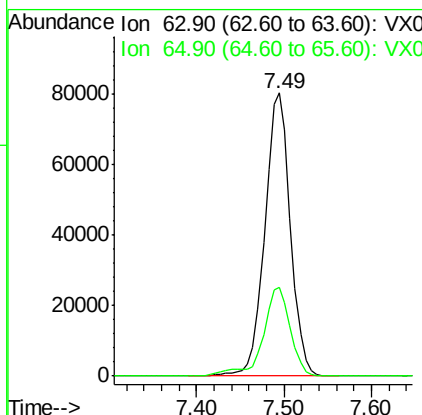
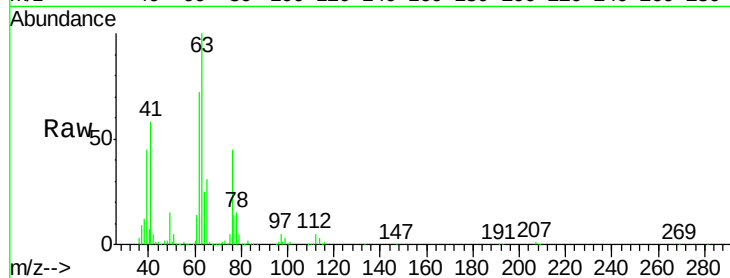
#45
 1,2-Dichloropropane
 Concen: 52.603 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.3	36.5

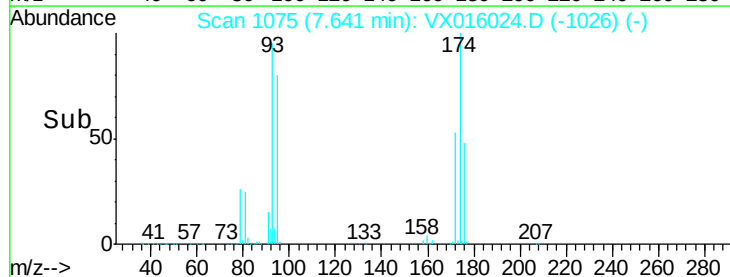
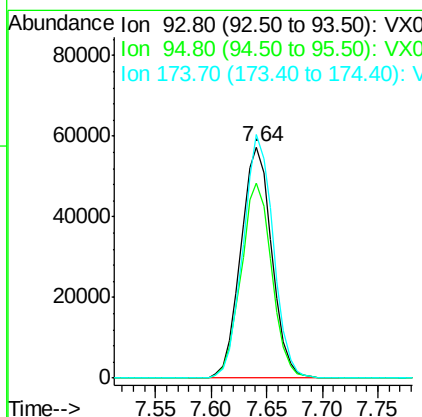
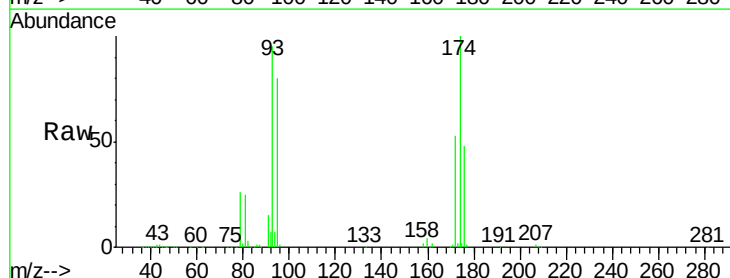
Manual Integrations
 APPROVED

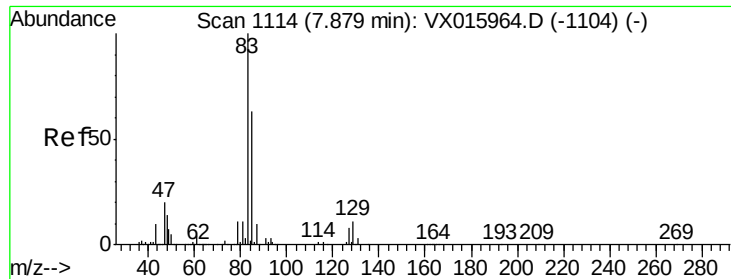
MMDadoda
 5/4/2020 2:20:05 PM



#46
 Dibromomethane
 Concen: 49.913 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	65.5	98.3
174	103.2	82.7	124.1





#47

Bromodichloromethane

Concen: 52.164 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

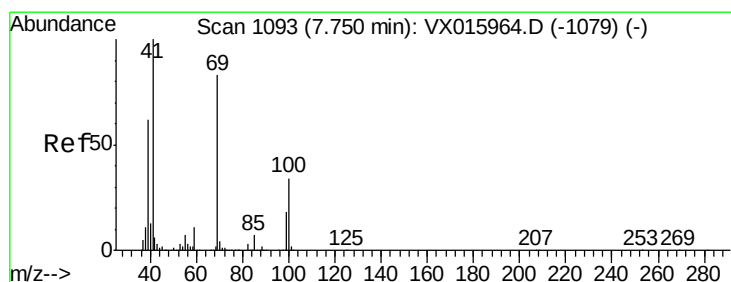
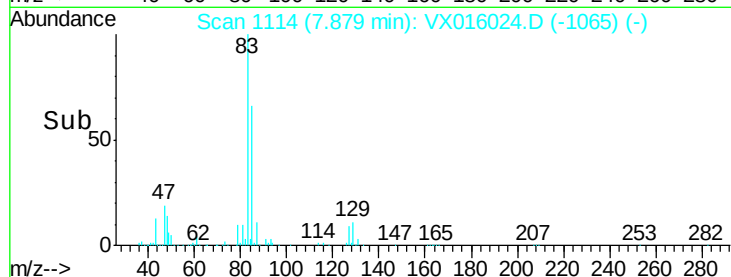
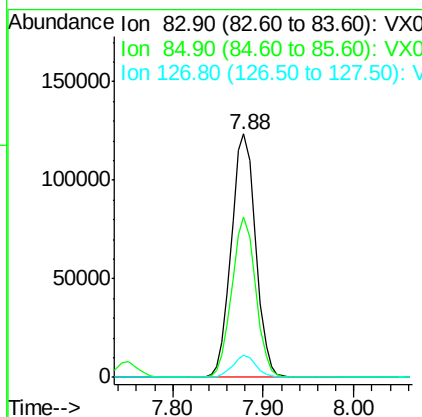
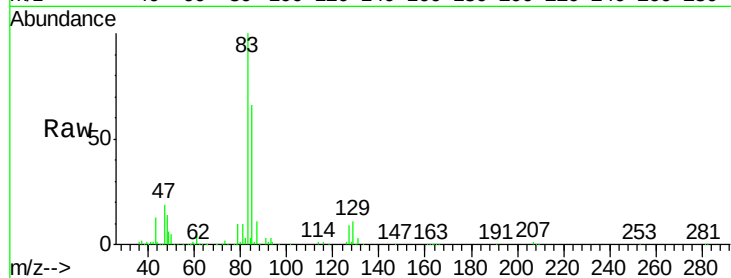
ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion:	83	Resp:	230286
Ion Ratio	Lower	Upper	
83	100		
85	66.0	50.6	75.8
127	9.1	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.966 ug/l

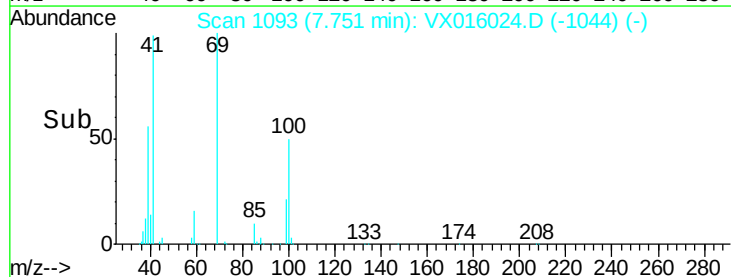
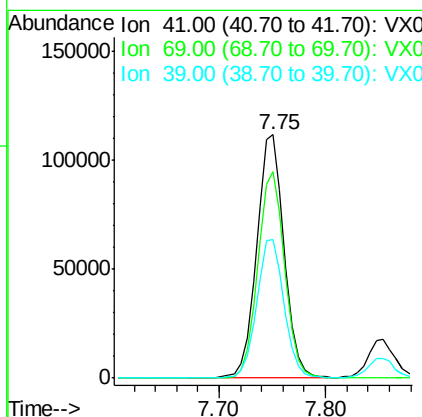
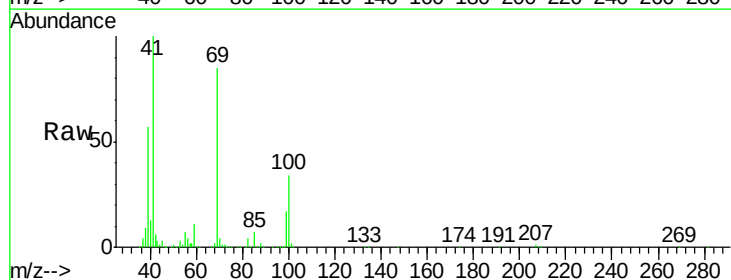
RT: 7.75 min Scan# 1093

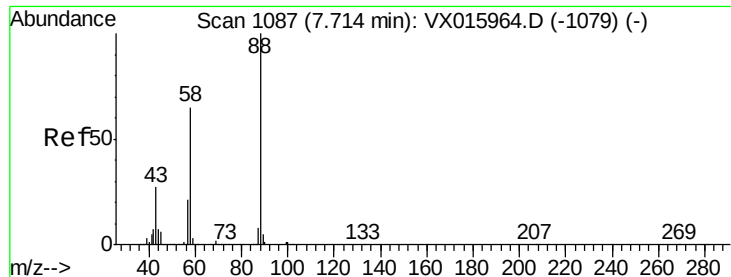
Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Tgt Ion:	41	Resp:	200593
Ion Ratio	Lower	Upper	
41	100		
69	83.3	66.0	99.0
39	57.0	49.0	73.4





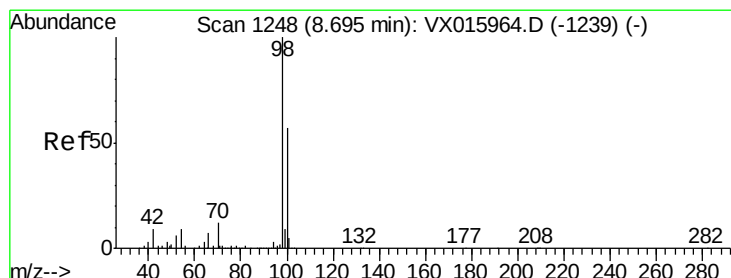
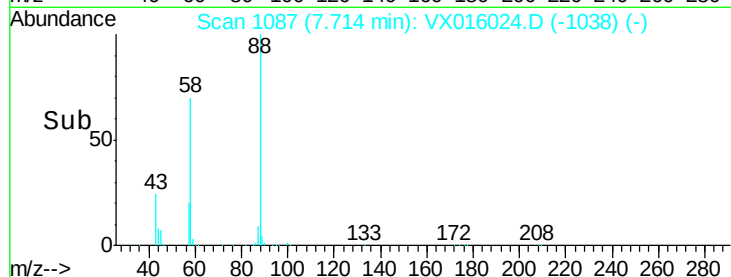
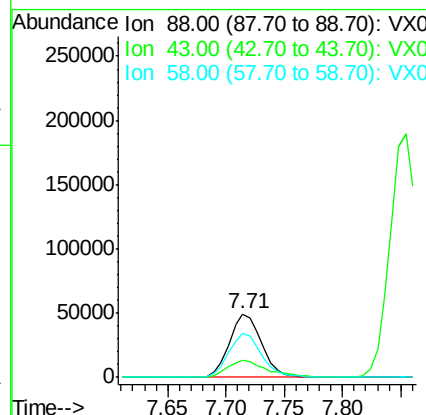
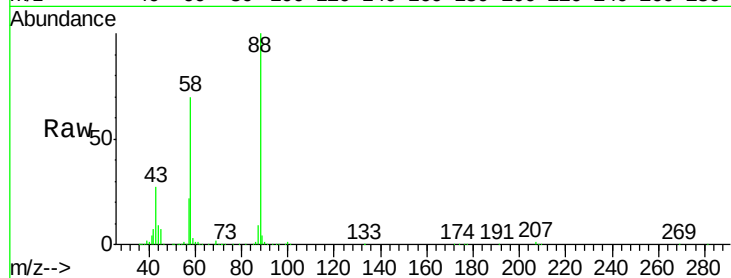
#49
1,4-Dioxane
Concen: 1087.786 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	26.6	39.8
58	71.1	54.8	82.2

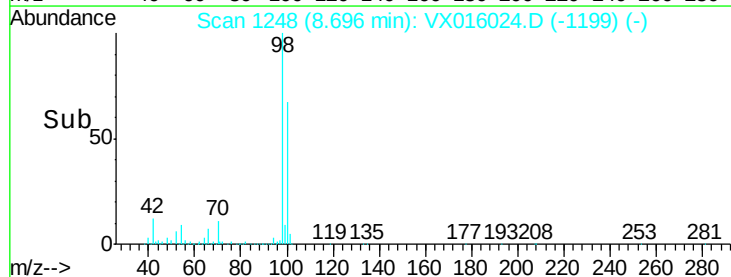
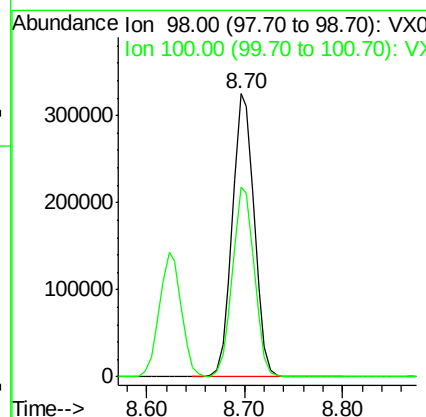
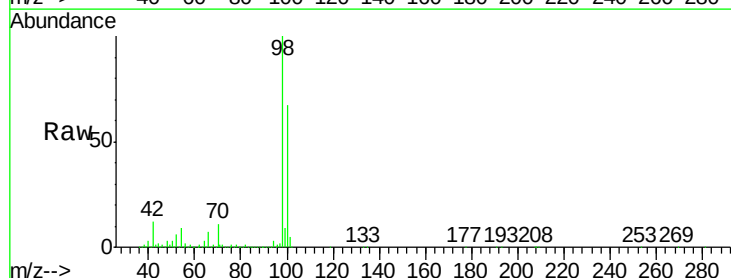
Manual Integrations
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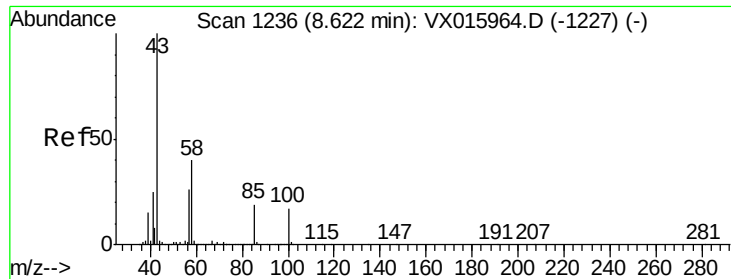
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#50
Toluene-d8
Concen: 48.617 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 270.694 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion: 43 Resp: 1321873

Ion Ratio Lower Upper

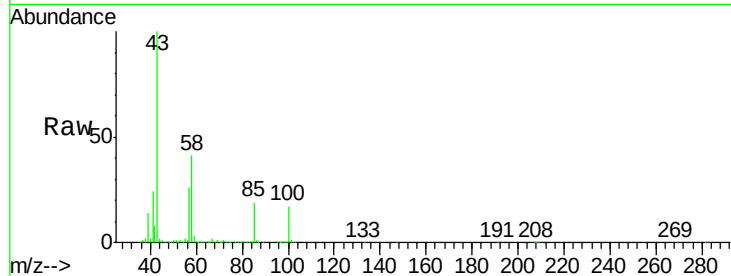
43 100

58 41.2 32.0 48.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

1000000

800000

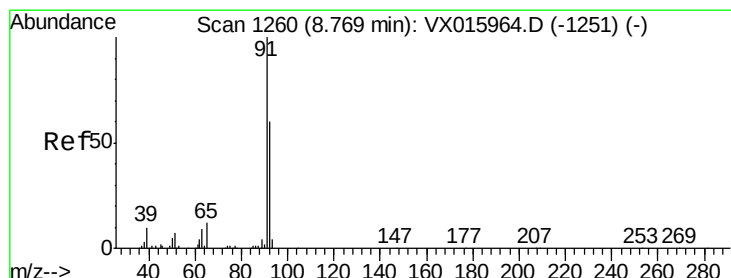
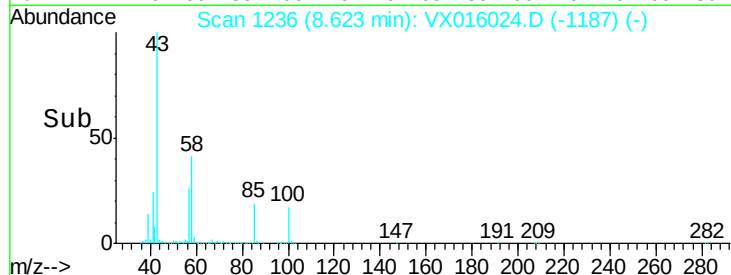
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.276 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX016024.D

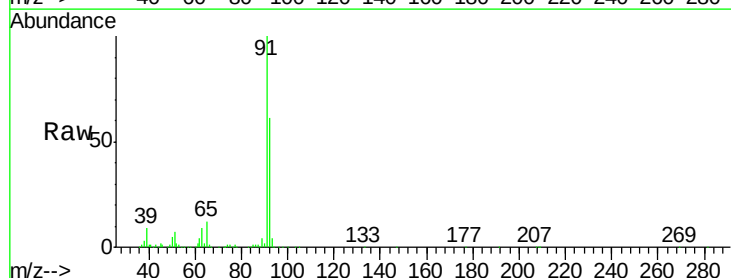
Acq: 01 May 2020 20:03

Tgt Ion: 92 Resp: 401425

Ion Ratio Lower Upper

92 100

91 168.6 134.6 202.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

500000

400000

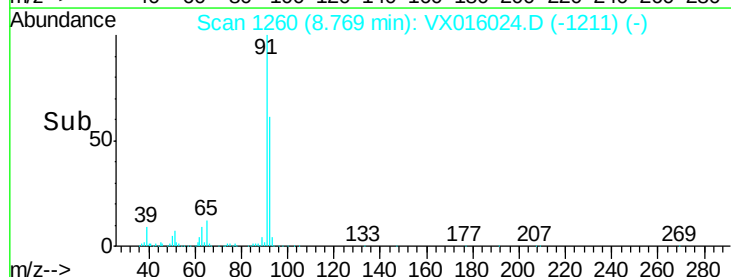
300000

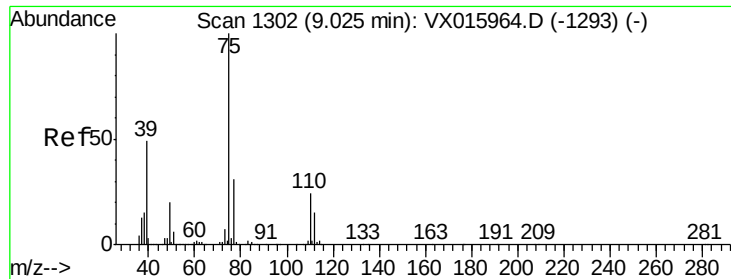
200000

100000

0

Time-->





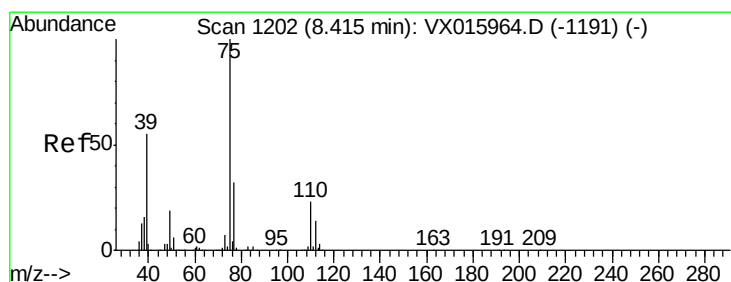
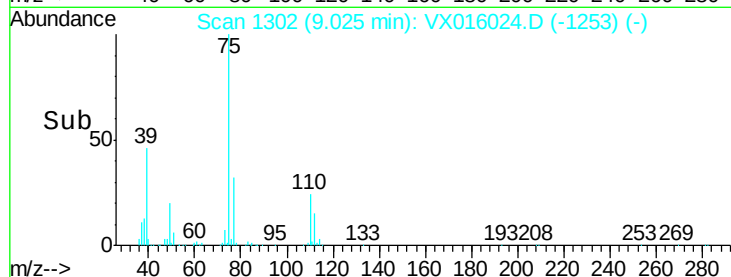
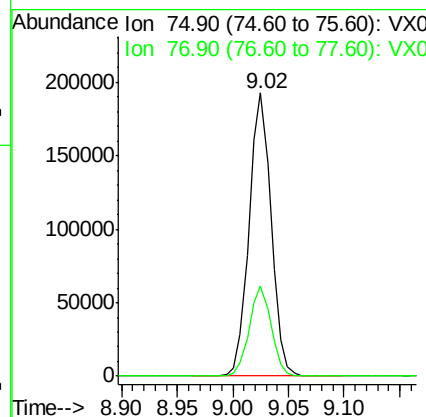
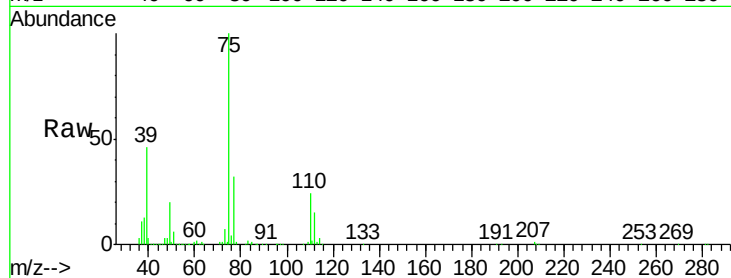
#53
t-1,3-Dichloropropene
Concen: 50.598 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.9	37.3

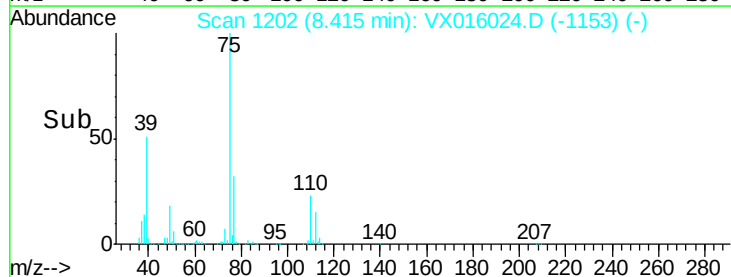
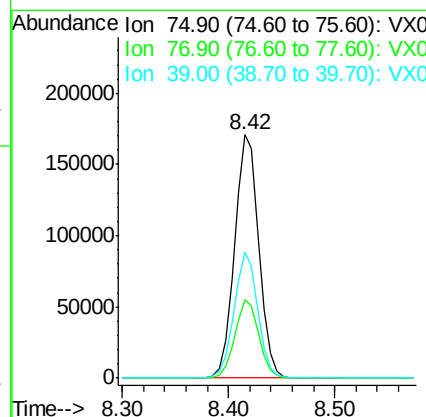
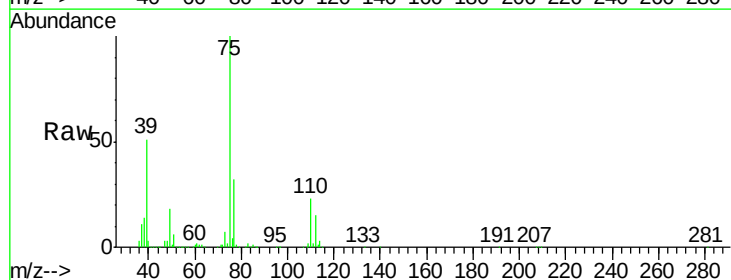
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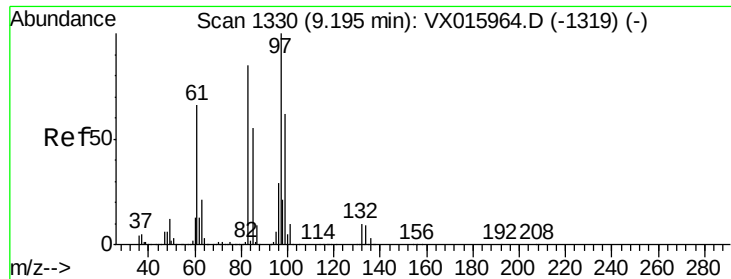
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.551 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	51.4	44.1	66.1





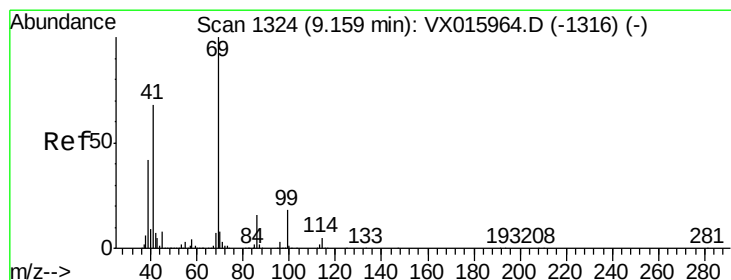
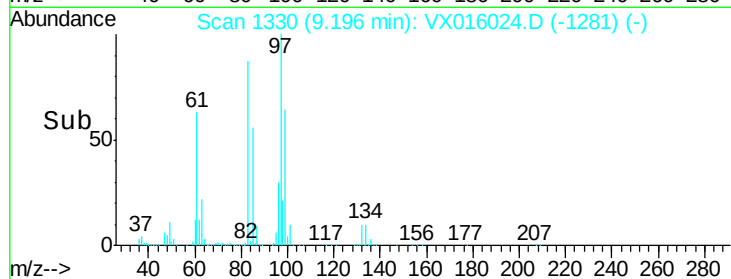
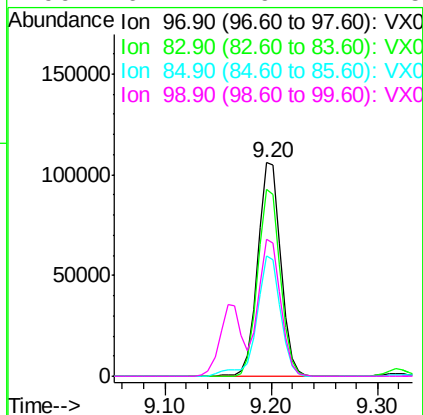
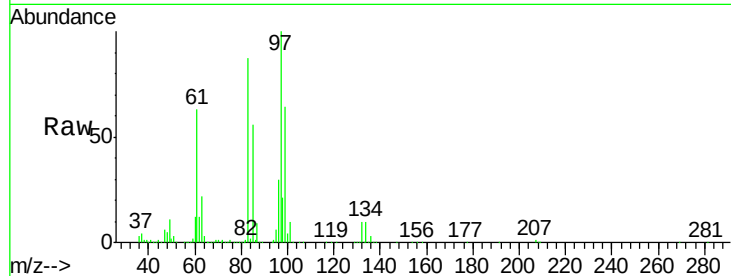
#55
 1,1,2-Trichloroethane
 Concen: 52.615 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		161462		
83	87.4	68.2	102.2		
85	56.2	43.7	65.5		
99	64.1	49.7	74.5		

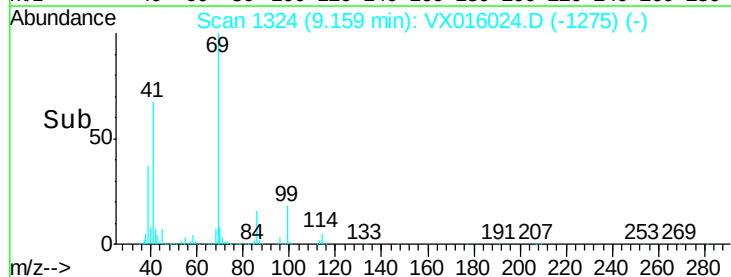
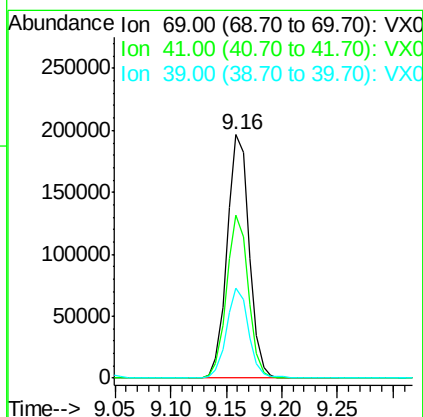
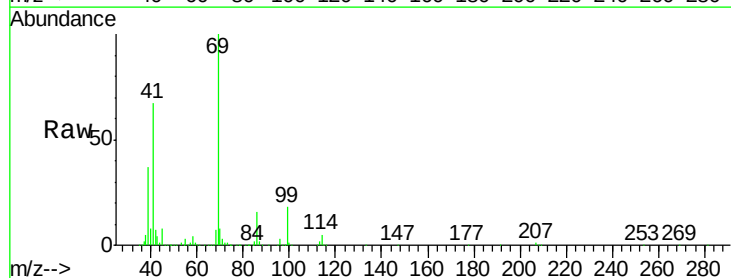
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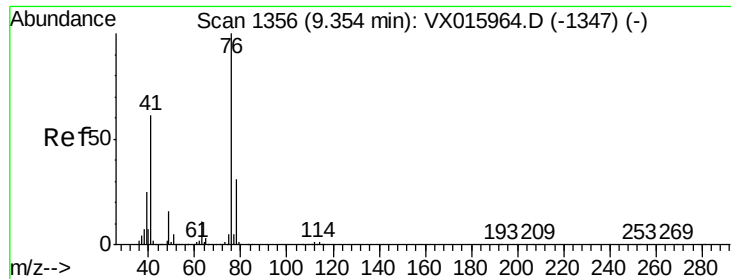
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#56
 Ethyl methacrylate
 Concen: 54.070 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		269802		
41	65.7	53.5	80.3		
39	36.7	33.4	50.0		





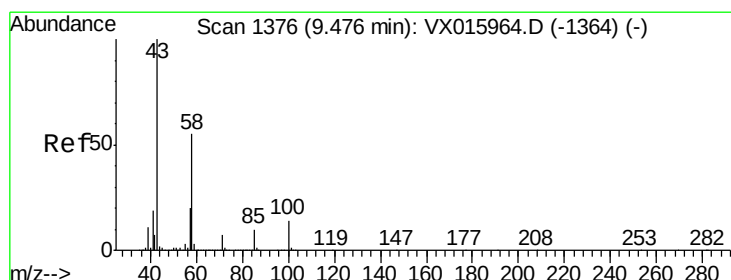
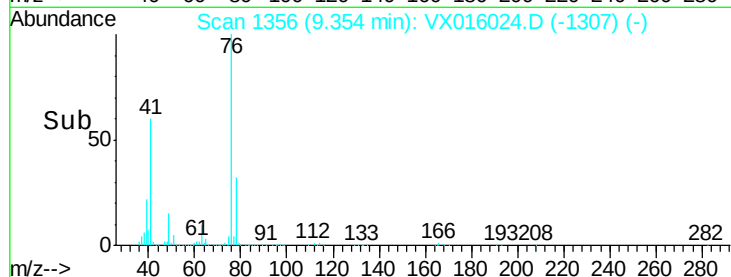
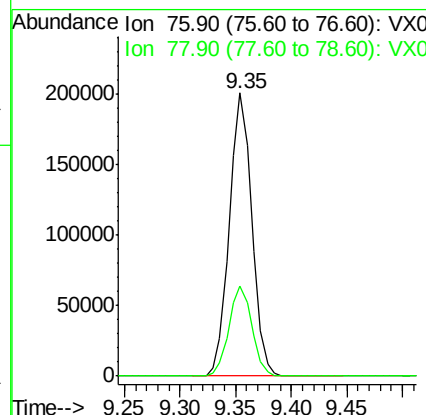
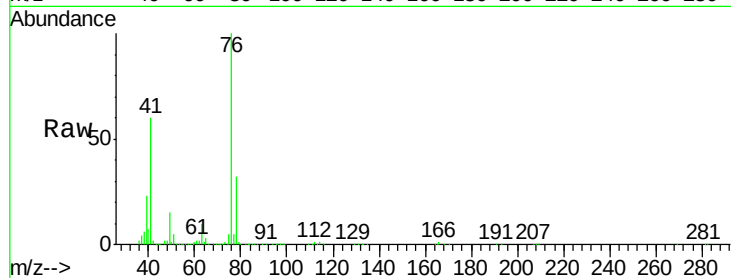
#57
 1,3-Dichloropropane
 Concen: 53.203 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

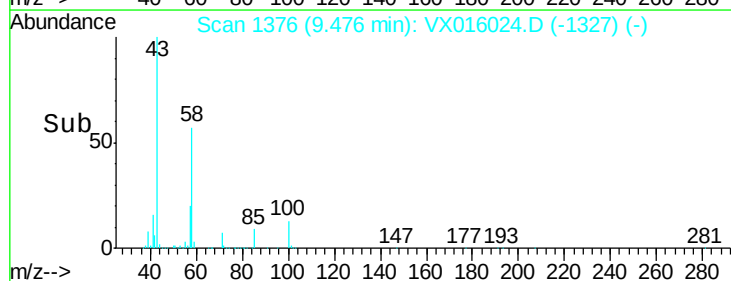
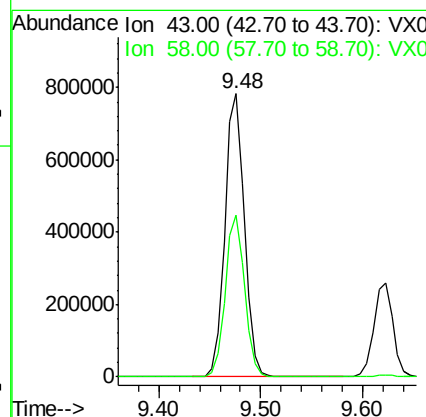
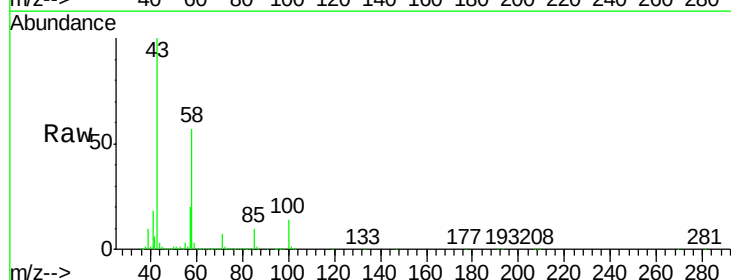
Manual Integrations
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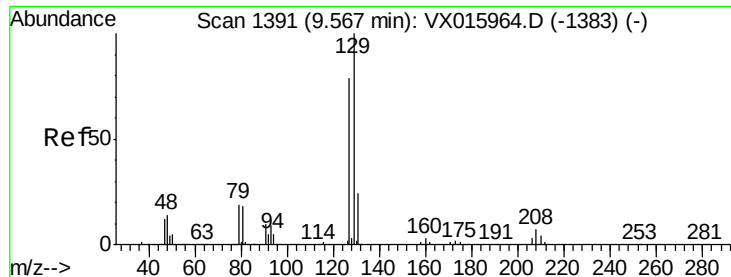
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 5/4/2020 2:20:05 PM



#59
 2-Hexanone
 Concen: 272.596 ug/l
 RT: 9.48 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.8	27.7	83.1





#60

Dibromochloromethane

Concen: 53.664 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion:129 Resp: 184322

Ion Ratio Lower Upper

129 100

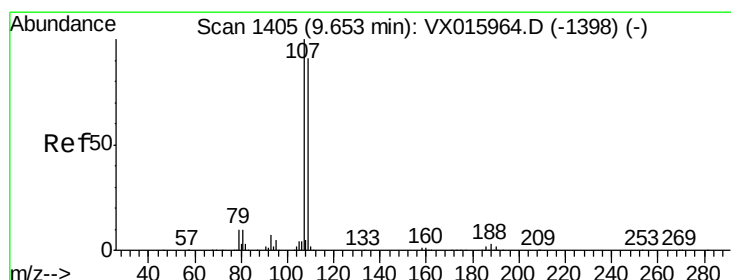
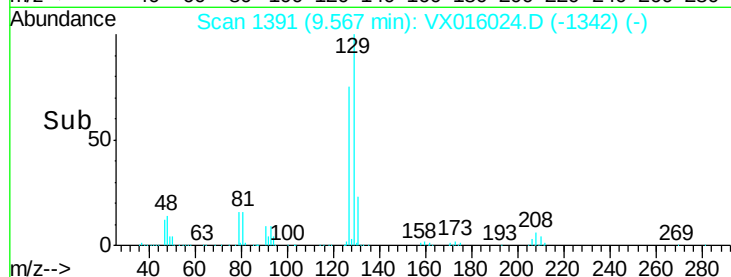
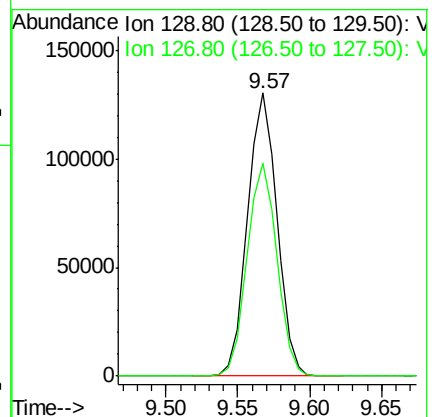
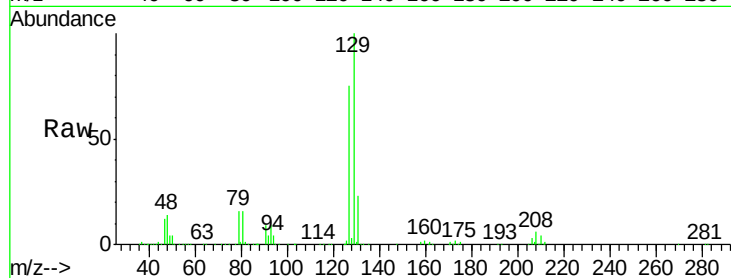
127 76.2 39.4 118.1

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 53.019 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX016024.D

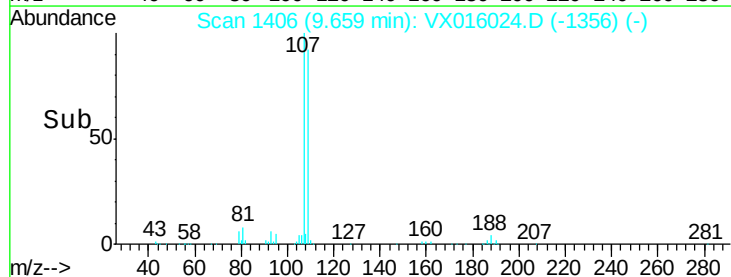
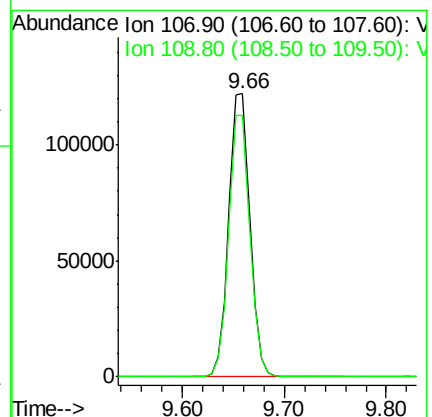
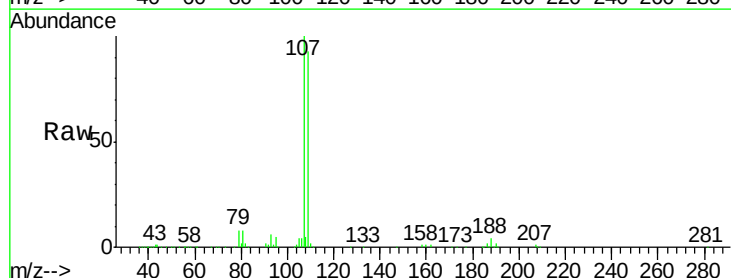
Acq: 01 May 2020 20:03

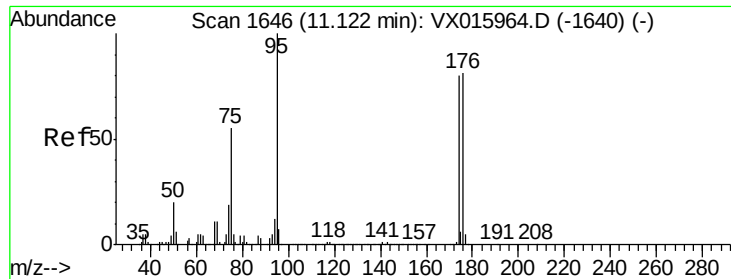
Tgt Ion:107 Resp: 176433

Ion Ratio Lower Upper

107 100

109 92.4 74.9 112.3





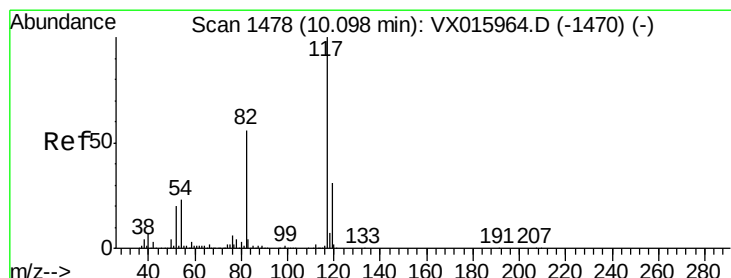
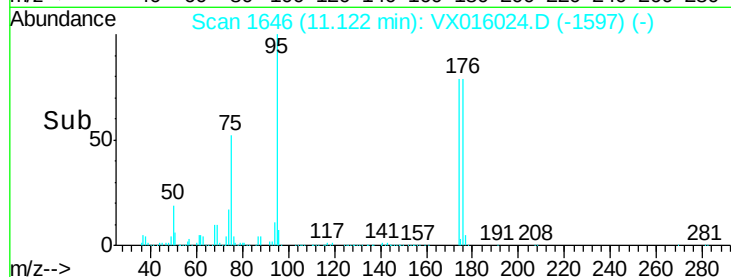
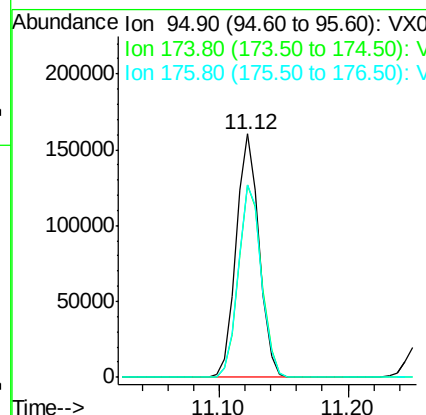
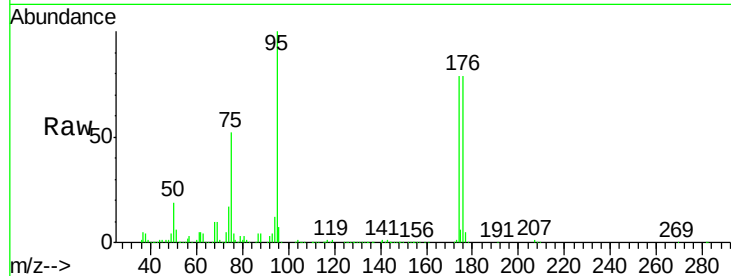
#62
4-Bromofluorobenzene
Concen: 49.130 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	200066		
174	79.5	0.0	165.0	
176	79.1	0.0	163.2	

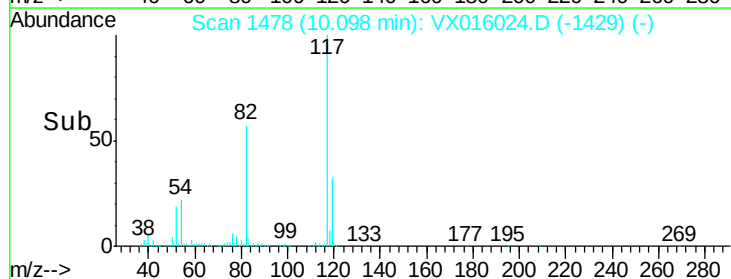
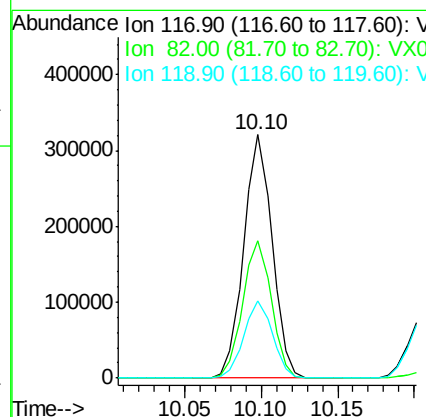
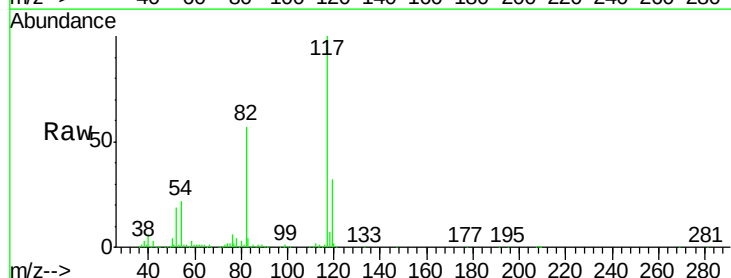
Manual Integrations
APPROVED

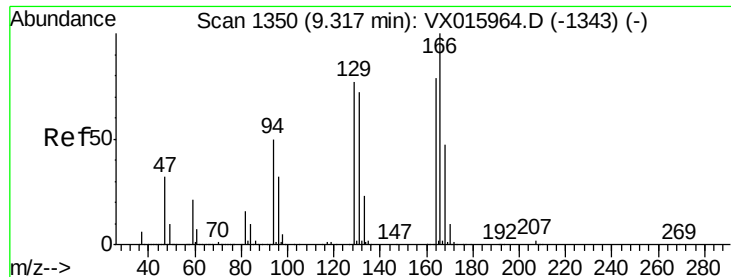
MMDadoda
5/4/2020 2:20:05 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	413632		
82	56.6	44.5	66.7	
119	31.7	25.0	37.6	





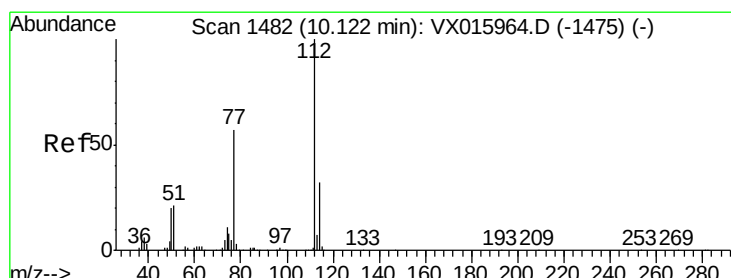
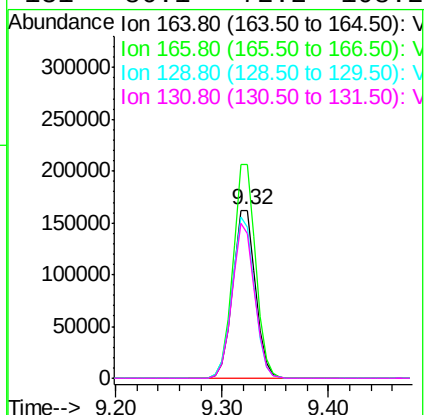
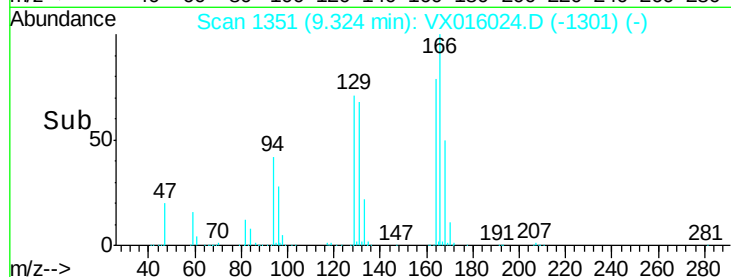
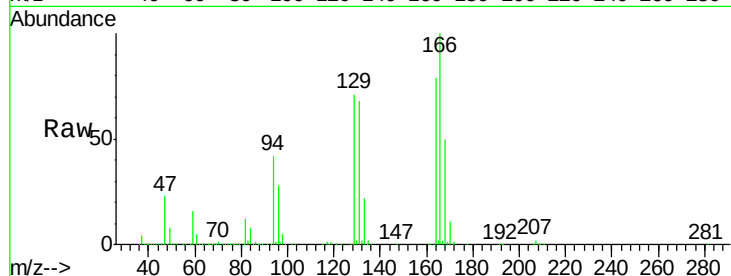
#64
Tetrachloroethene
Concen: 49.594 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.0	101.0	151.4
129	89.7	77.4	116.0
131	86.1	72.2	108.2

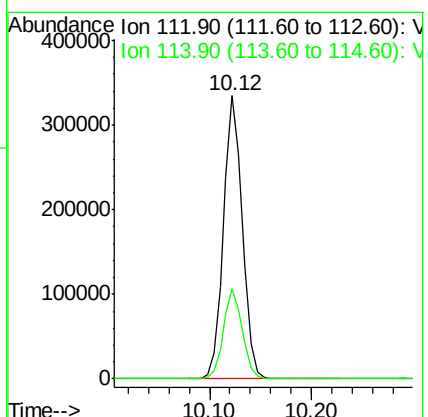
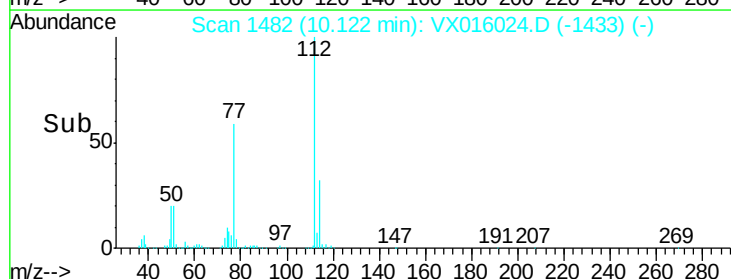
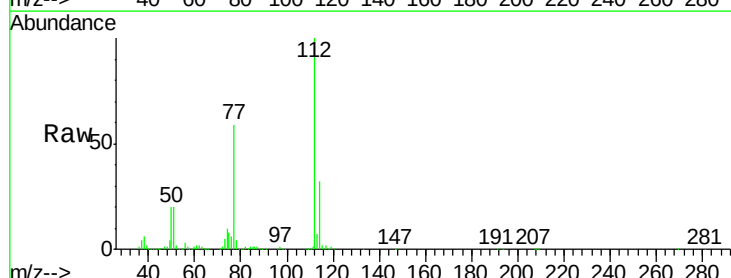
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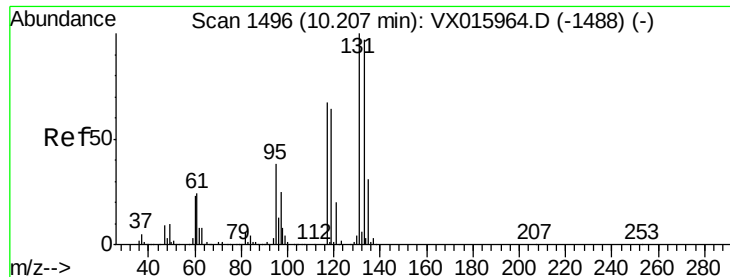
MMDadoda
5/4/2020 2:20:05 PM



#65
Chlorobenzene
Concen: 50.867 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.0





#66

1,1,1,2-Tetrachloroethane

Concen: 51.400 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

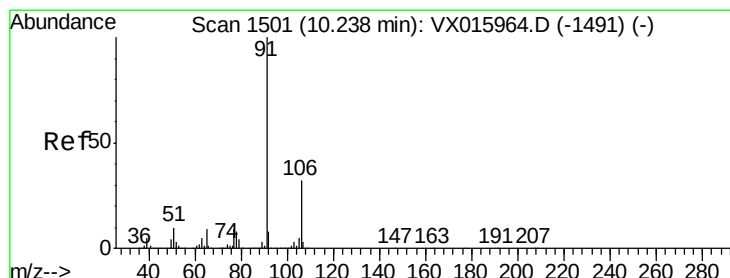
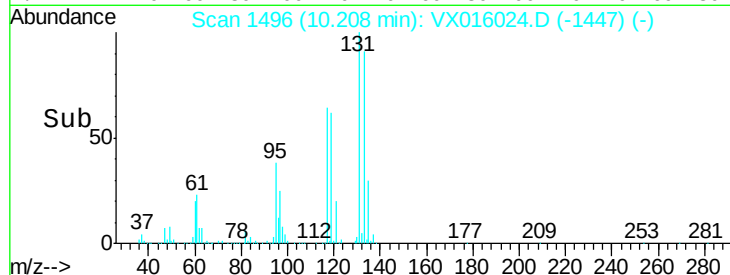
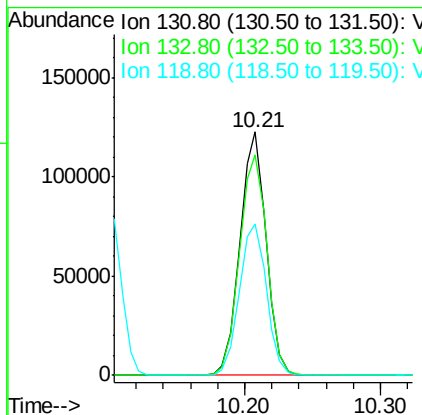
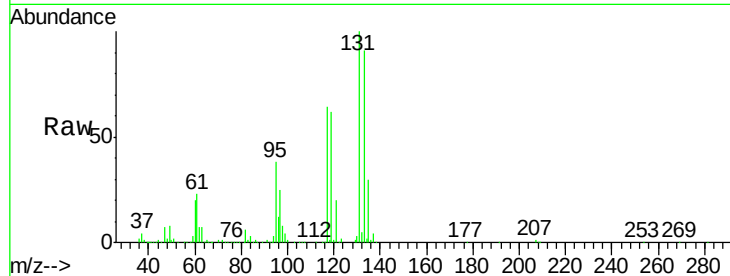
ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion:	131	Resp:	163662
Ion Ratio	Lower	Upper	
131	100		
133	95.3	48.3	144.8
119	64.8	31.6	94.8

Manual Integrations
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#67

Ethyl Benzene

Concen: 51.518 ug/l

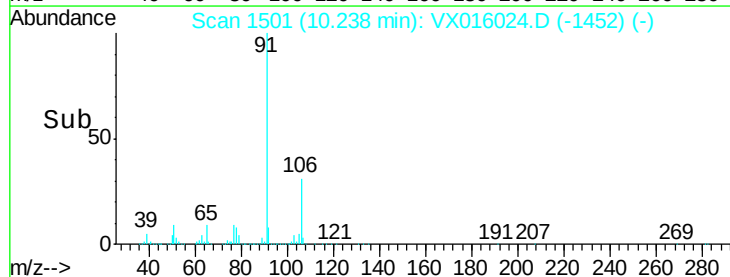
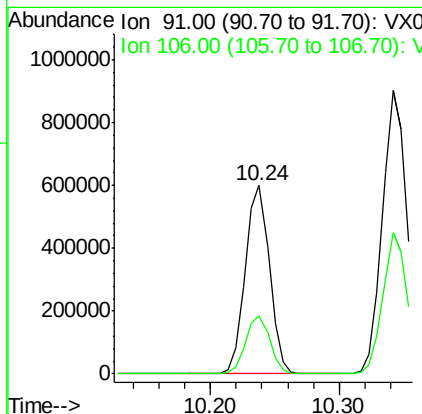
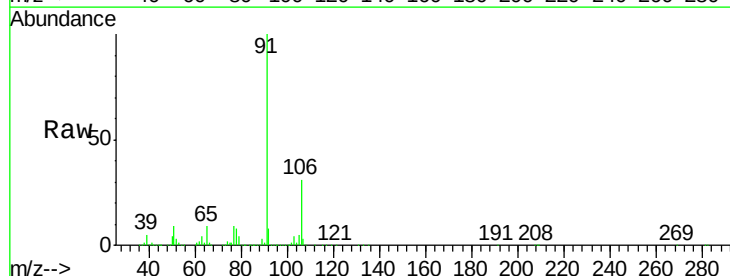
RT: 10.24 min Scan# 1501

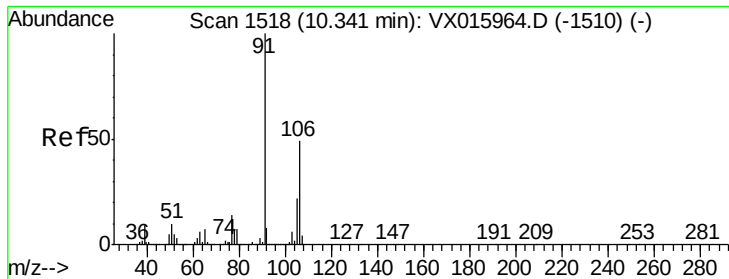
Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Tgt Ion:	91	Resp:	772921
Ion Ratio	Lower	Upper	
91	100		
106	31.0	25.3	37.9





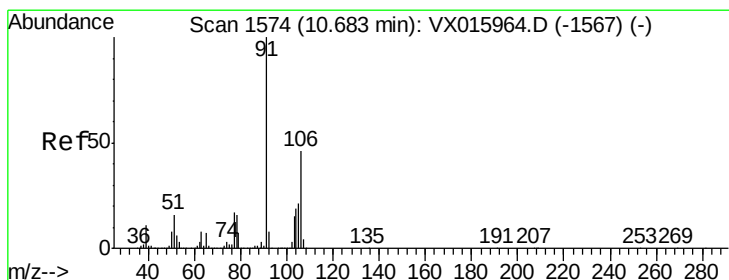
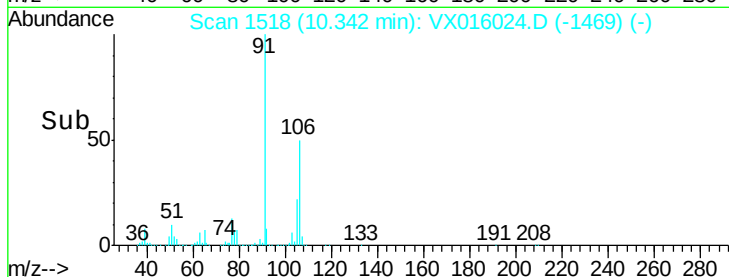
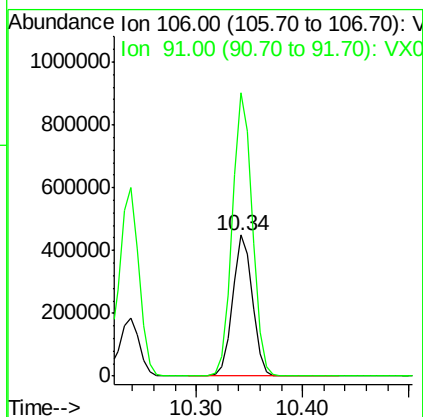
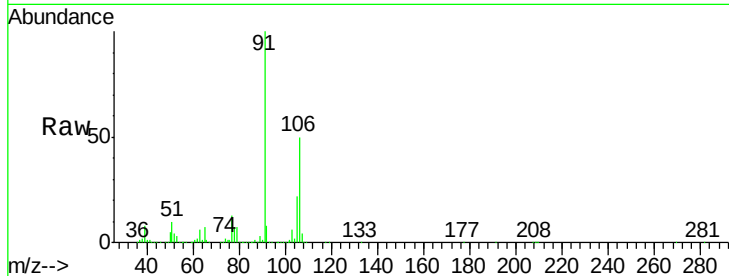
#68
m/p-Xylenes
Concen: 102.664 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		584465		
91	203.3	161.6	242.4		

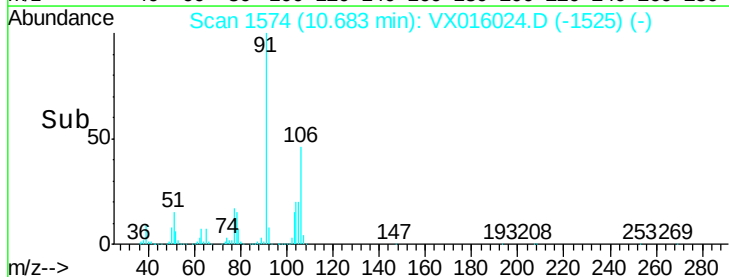
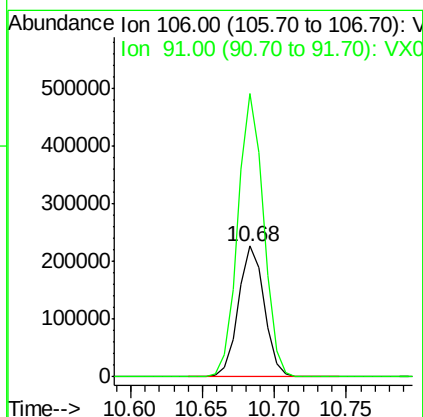
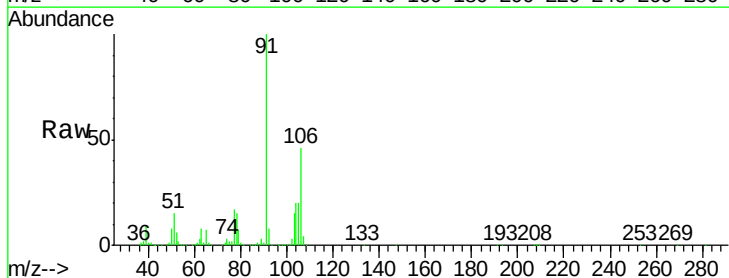
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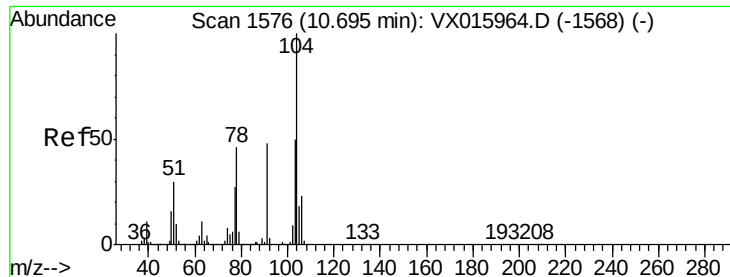
MMDadoda
5/4/2020 2:20:05 PM



#69
o-Xylene
Concen: 52.635 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		284494		
91	214.5	106.1	318.3		





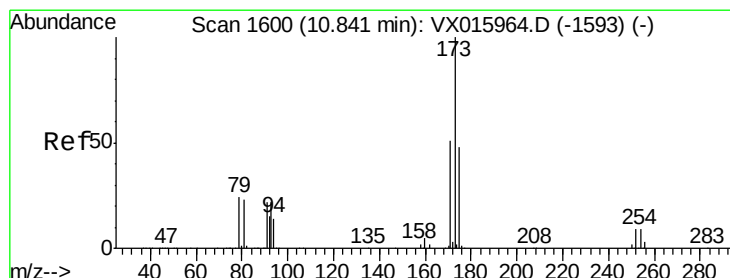
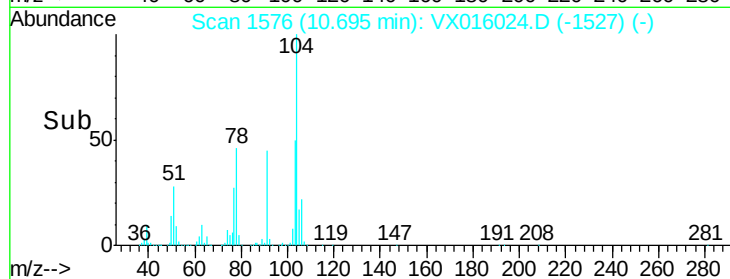
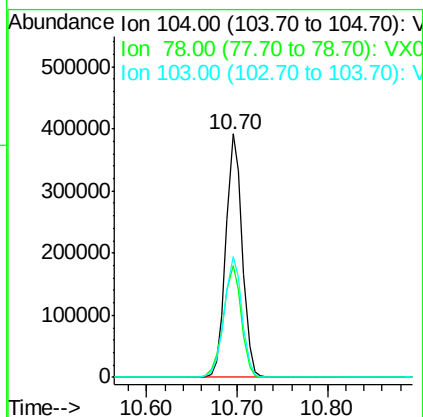
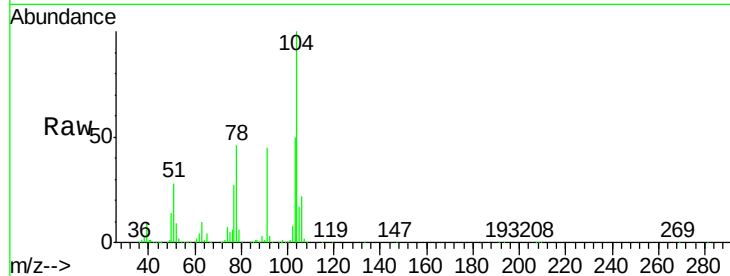
#70
Stvrene
Concen: 52.981 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	491364		
78	50.6	41.0	61.4	
103	53.7	43.4	65.2	

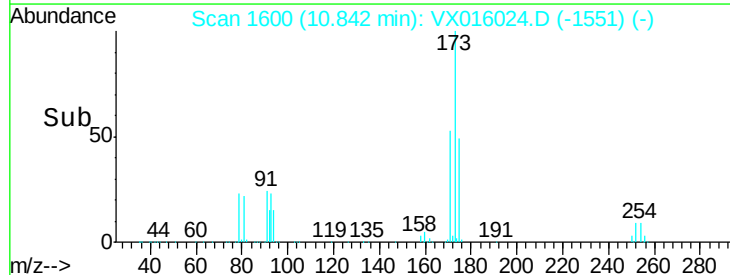
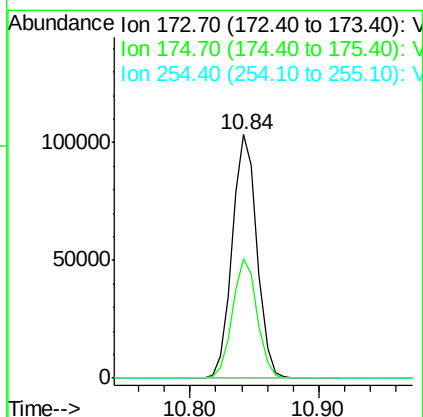
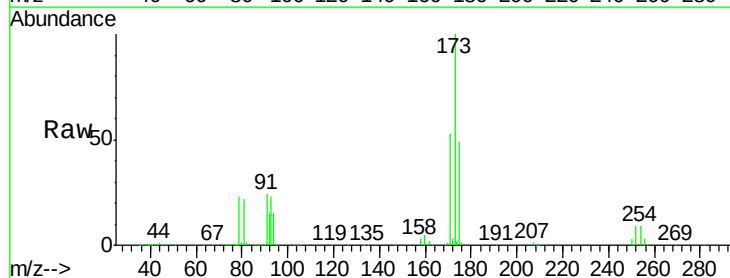
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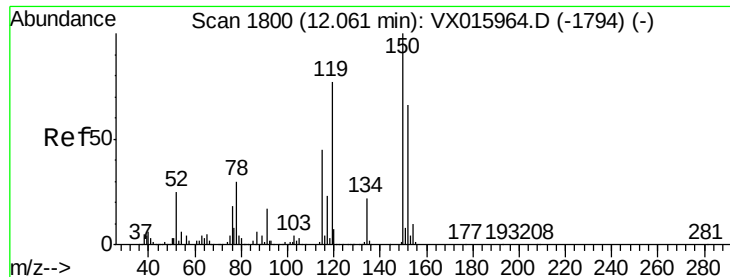
MMDadoda
5/4/2020 2:20:05 PM



#71
Bromoform
Concen: 47.875 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	138448		
175	48.7	24.1	72.4	
254	0.2	0.1	0.1#	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

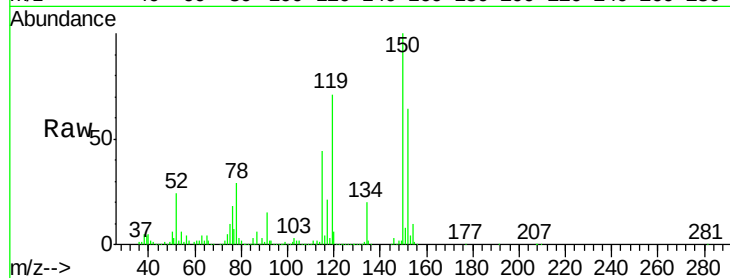
ClientSampleId :

SA-PZ191I-20200429MSD

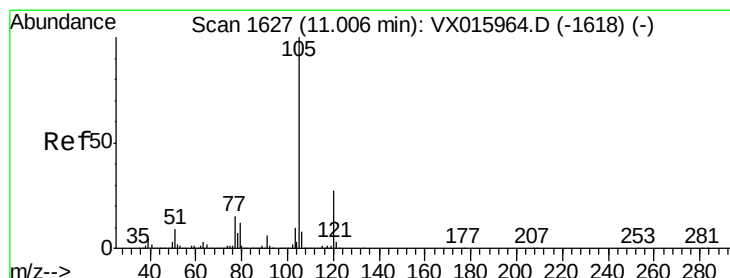
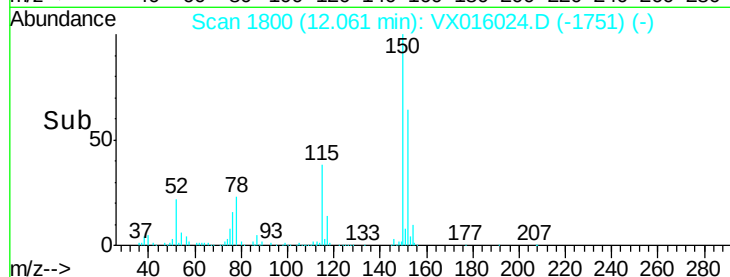
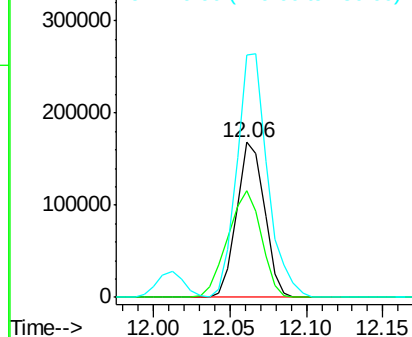
Tot Ion:	152	Resp:	211881
Ion Ratio	Lower	Upper	
152	100		
115	83.5	40.9	122.7
150	174.3	0.0	342.4

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



#73

Isopropylbenzene

Concen: 52.942 ug/l

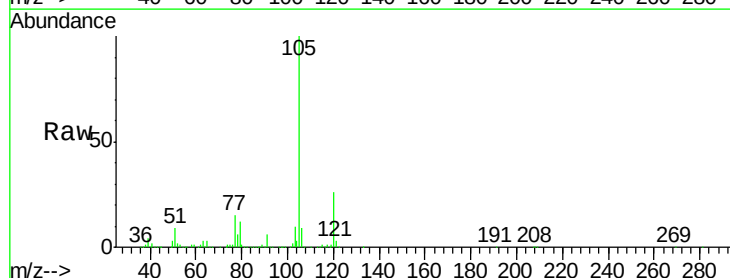
RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

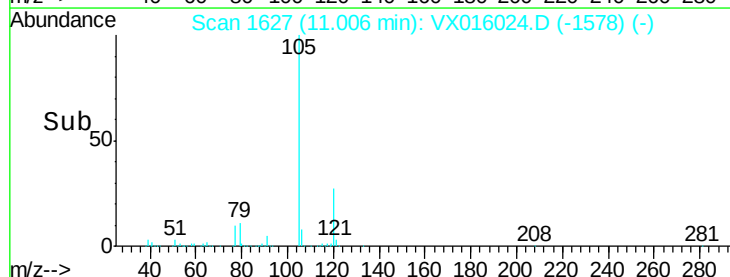
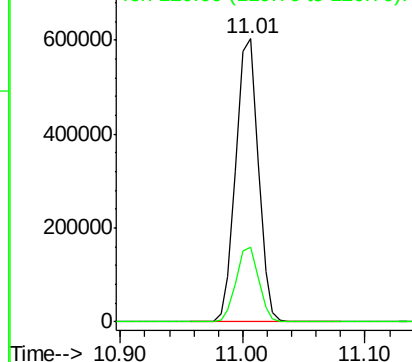
Lab File: VX016024.D

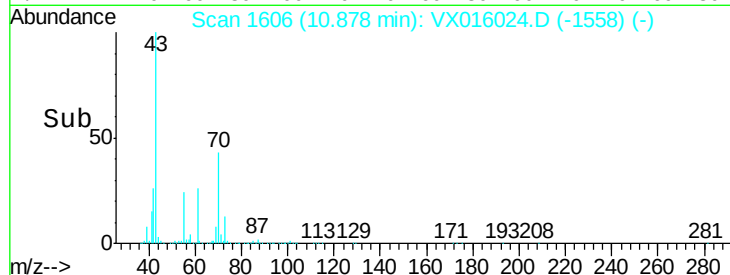
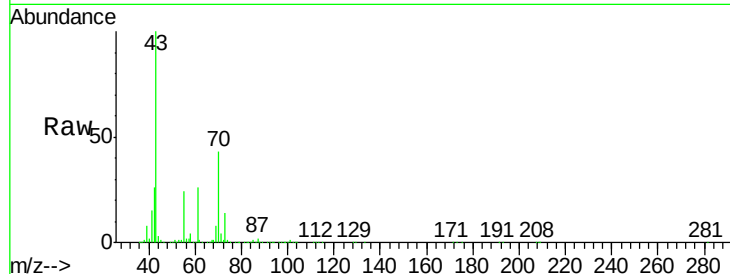
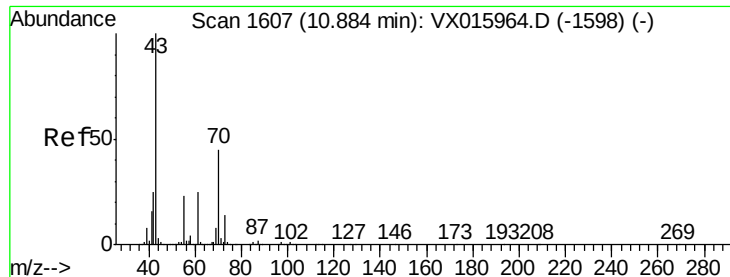
Acq: 01 May 2020 20:03

Tgt Ion:	105	Resp:	763093
Ion Ratio	Lower	Upper	
105	100		
120	26.5	13.3	39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





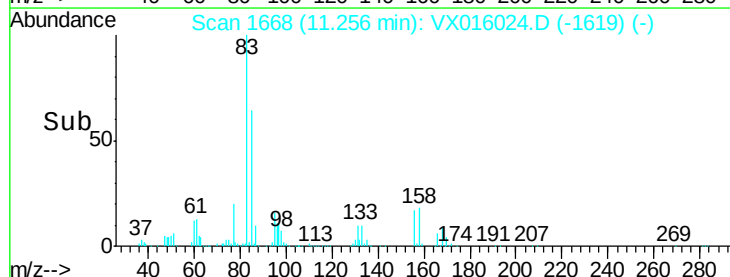
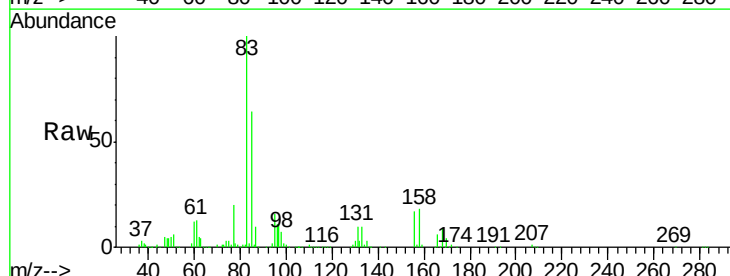
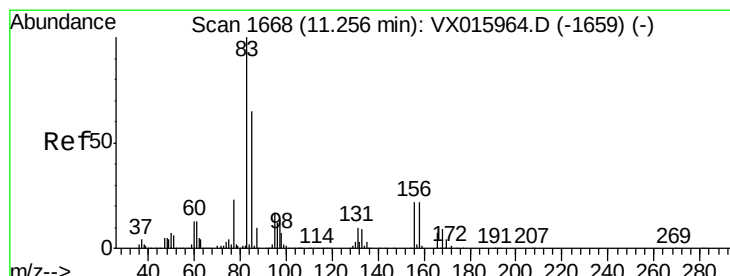
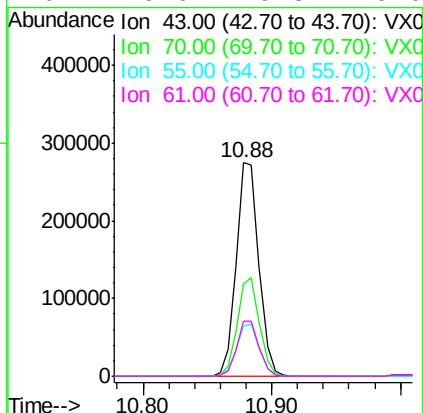
#74
N-amvl acetate
Concen: 48.141 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. -0.01 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	43	100			
70	70	45.0		34.5	51.7
55	55	24.6		18.6	28.0
61	61	25.6		19.8	29.6

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

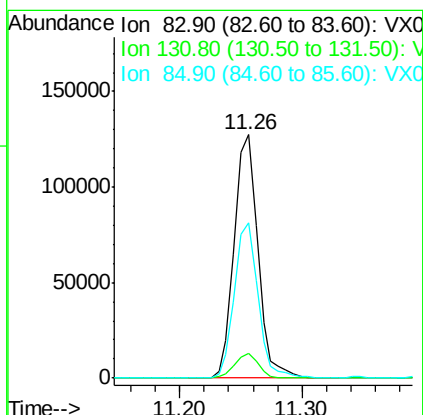
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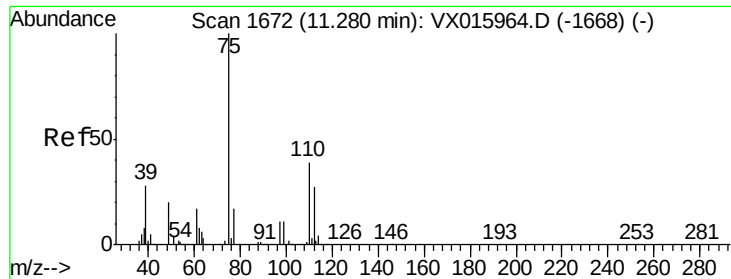
MMDadoda
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#75
1,1,2,2-Tetrachloroethane
Concen: 50.887 ug/l
RT: 11.26 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100			
131	131	10.1		5.1	15.4
85	85	63.8		32.2	96.6





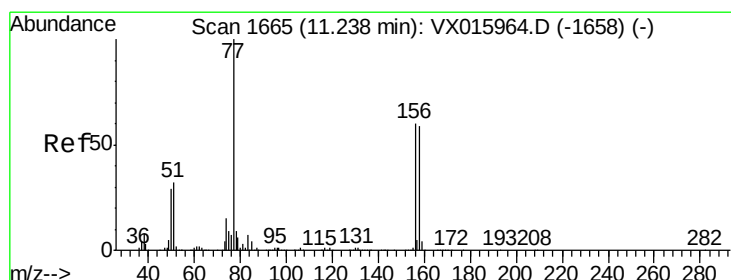
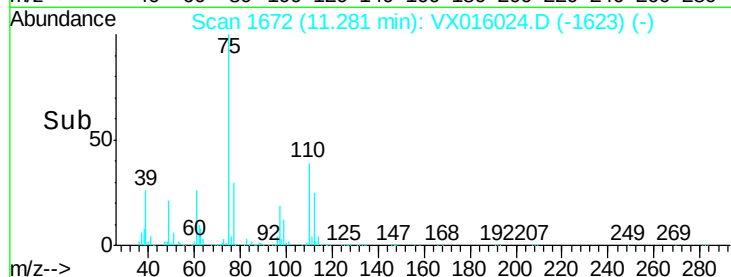
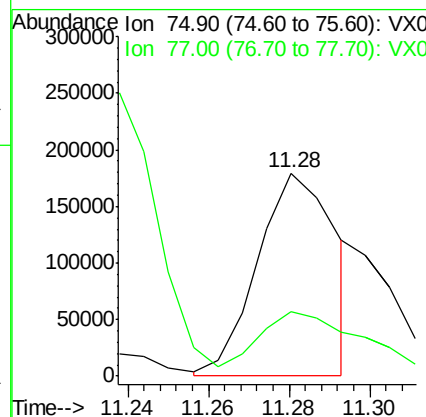
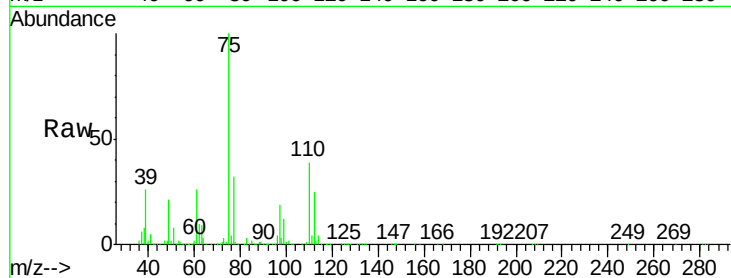
#76
1,2,3-Trichloropropane
Concen: 54.120 ug/l m
RT: 11.28 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion: 75 Resp: 240620
Ion Ratio Lower Upper
75 100
77 43.0 21.6 65.0

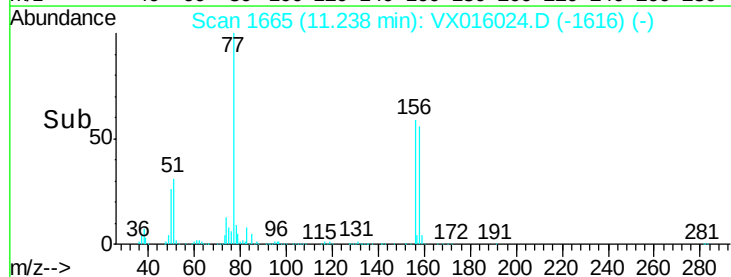
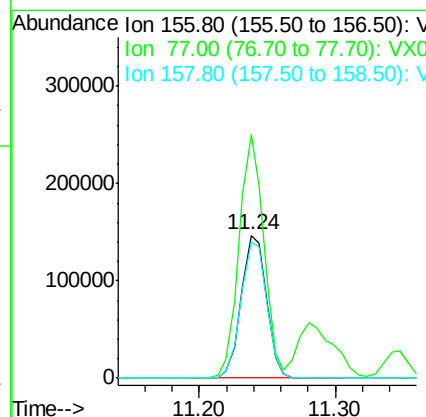
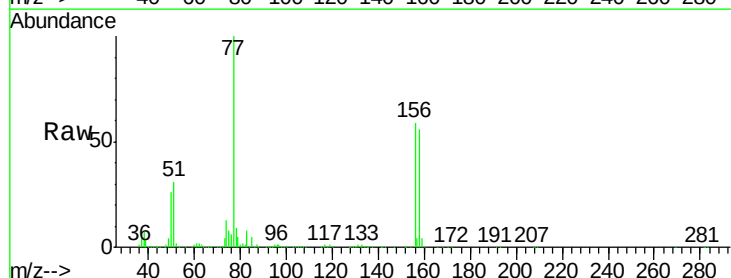
Manual Integrations
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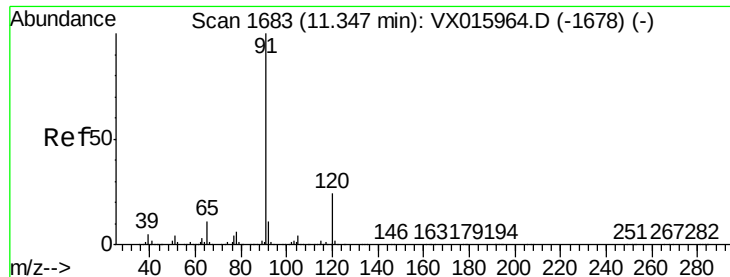
MMDadoda
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#77
Bromobenzene
Concen: 51.118 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion: 156 Resp: 189661
Ion Ratio Lower Upper
156 100
77 167.0 78.3 234.8
158 97.4 48.5 145.5





#78

n-propylbenzene

Concen: 52.365 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion: 91 Resp: 868269

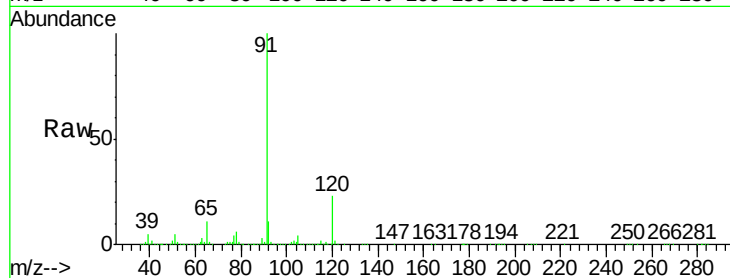
Ion Ratio Lower Upper

91 100

120 23.2 11.8 35.3

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

800000

600000

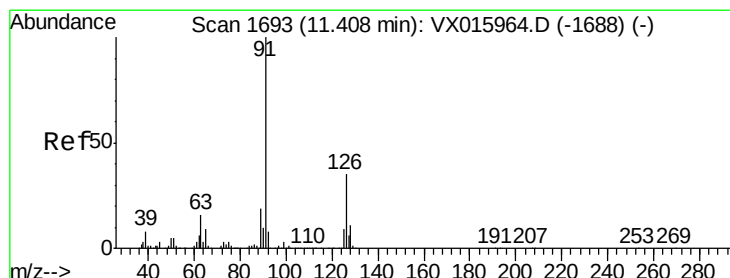
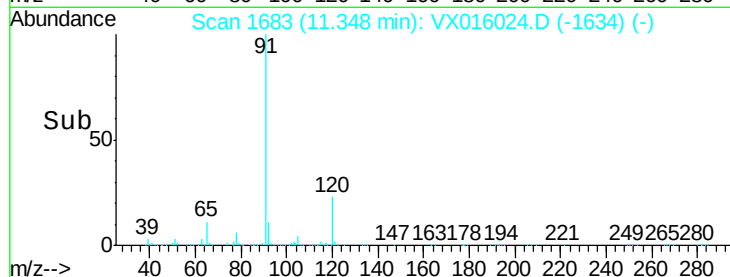
400000

200000

0

11.30 11.35

Time-->



#79

2-Chlorotoluene

Concen: 52.860 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VX016024.D

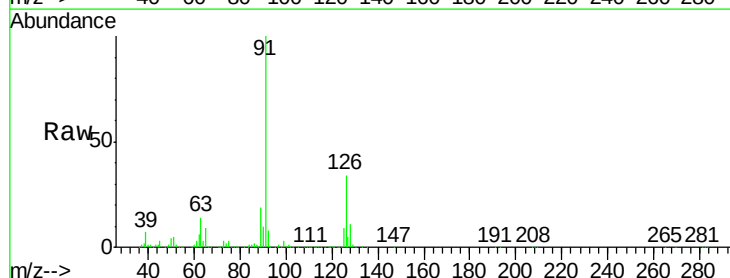
Acq: 01 May 2020 20:03

Tgt Ion: 91 Resp: 522215

Ion Ratio Lower Upper

91 100

126 33.5 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

800000

600000

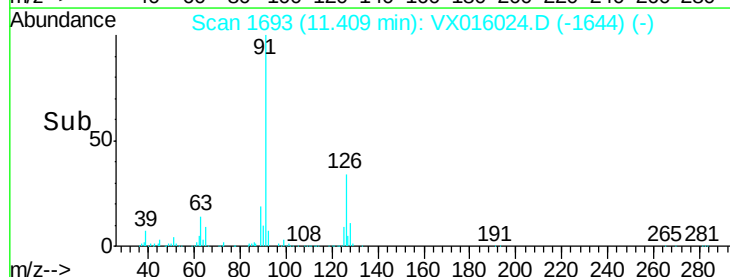
400000

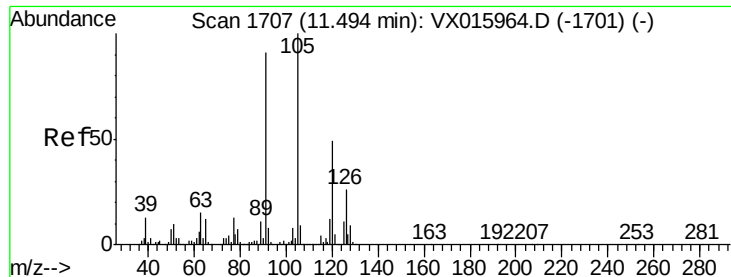
200000

0

11.35 11.40 11.45

Time-->





#80

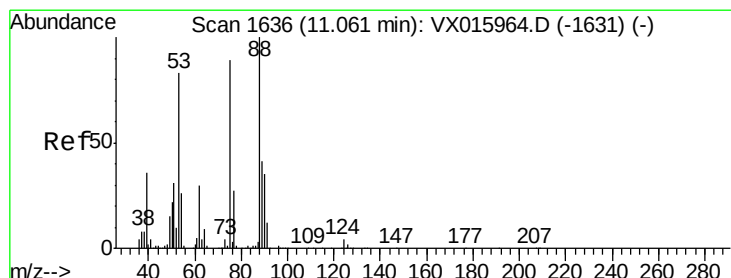
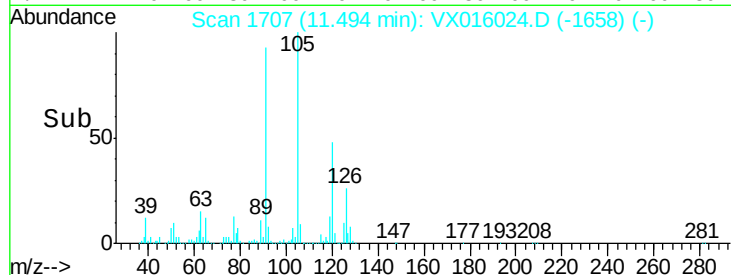
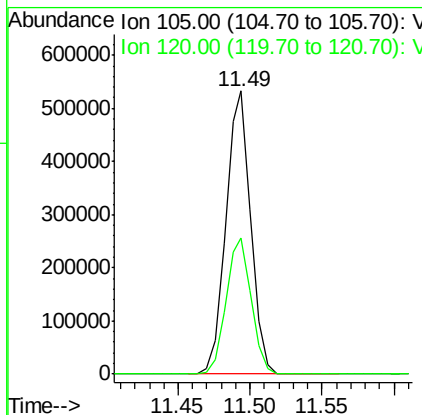
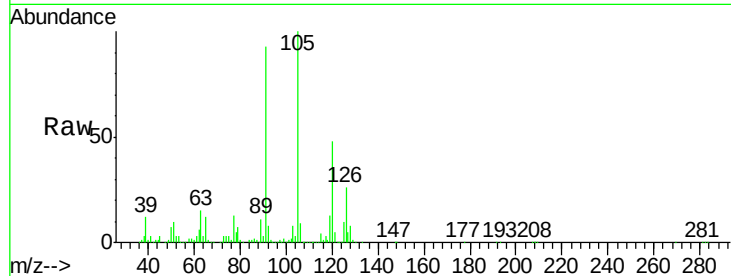
1,3,5-Trimethylbenzene
Concen: 53.004 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.6	73.6

Manual Integrations
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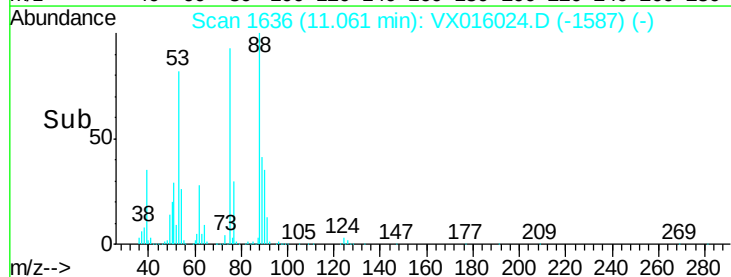
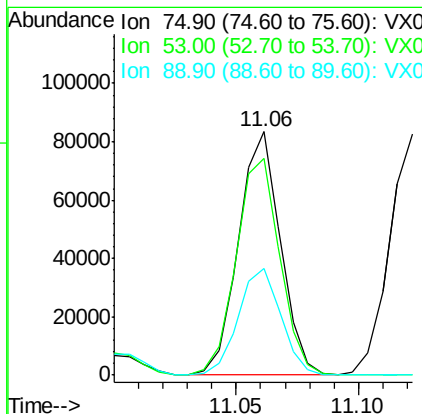
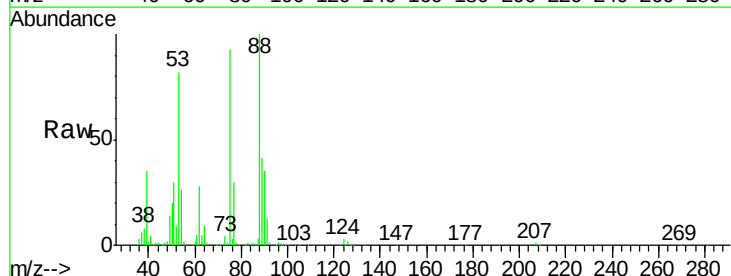
MMDadoda
5/4/2020 2:20:05 PM

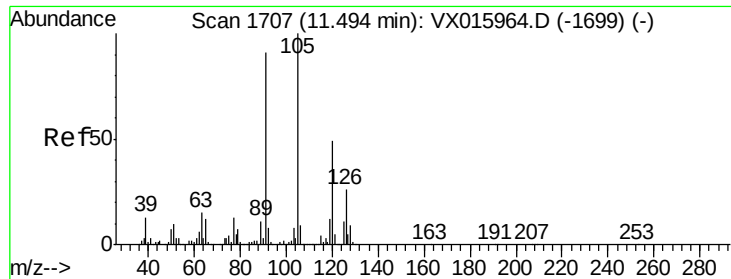


#81

trans-1,4-Dichloro-2-butene
Concen: 52.752 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Lower	Upper
75	100		
53	92.5	78.3	117.5
89	45.0	37.2	55.8





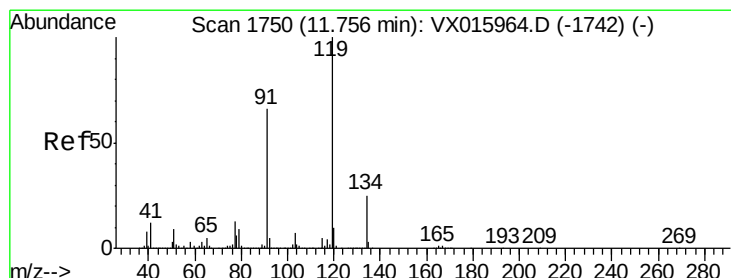
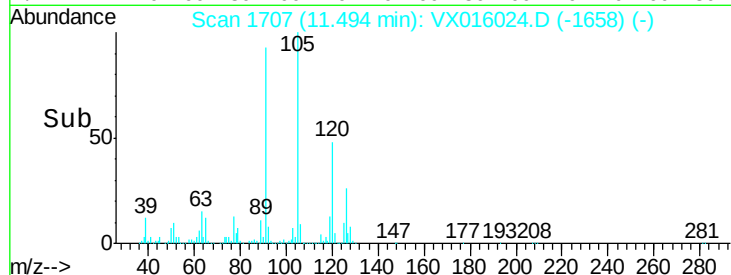
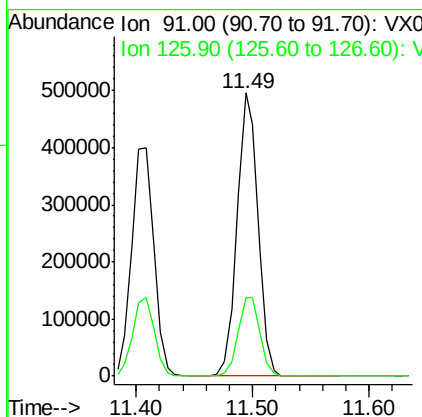
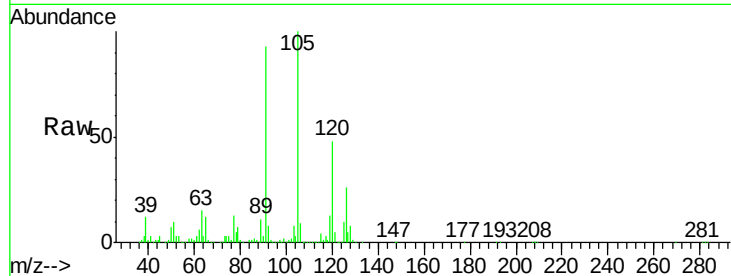
#82
4-Chlorotoluene
Concen: 52.446 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ191I-20200429MSD

Tot Ion	Ratio	Resp	Lower	Upper
91	100	619688		
126	29.1	14.8	44.3	

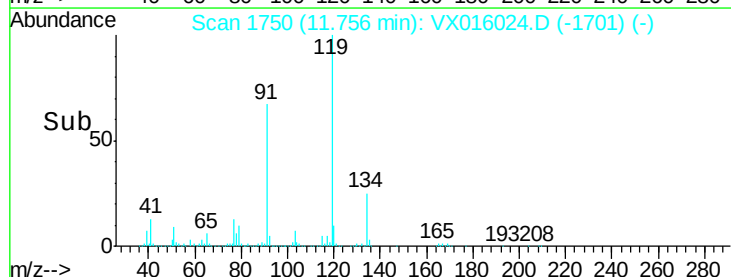
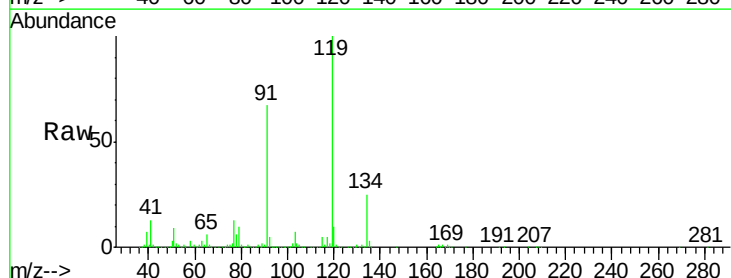
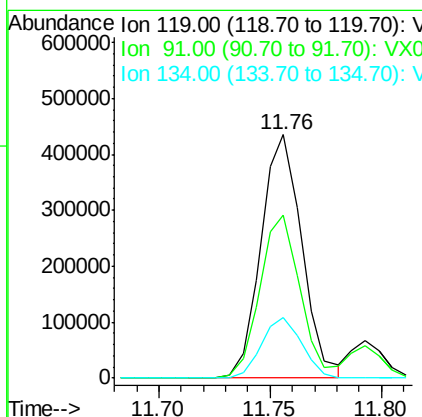
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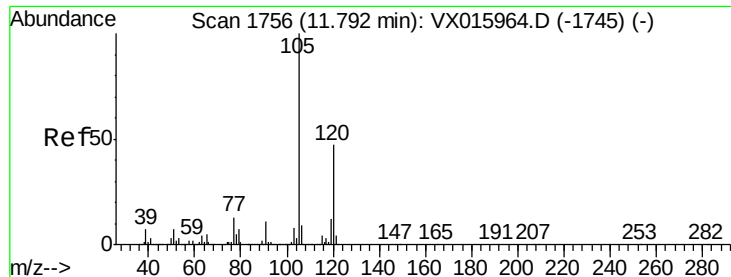
MMDadoda
5/4/2020 2:20:05 PM



#83
tert-Butylbenzene
Concen: 53.019 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX016024.D
Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	555063		
91	66.9	33.5	100.4	
134	24.7	12.4	37.2	





#84

1,2,4-Trimethylbenzene

Concen: 53.096 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion:105 Resp: 648826

Ion Ratio Lower Upper

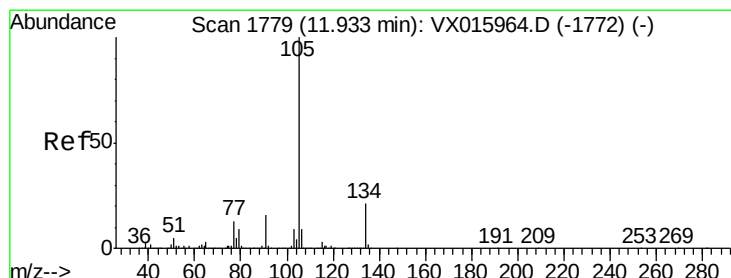
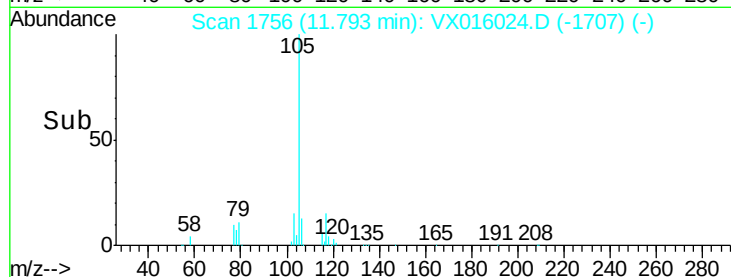
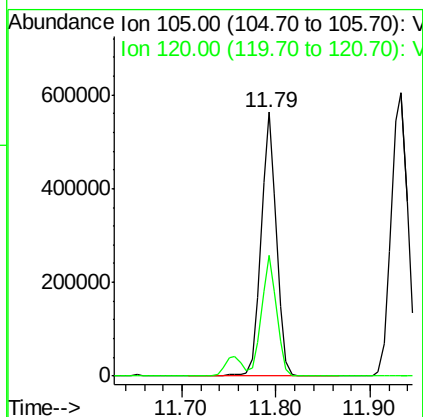
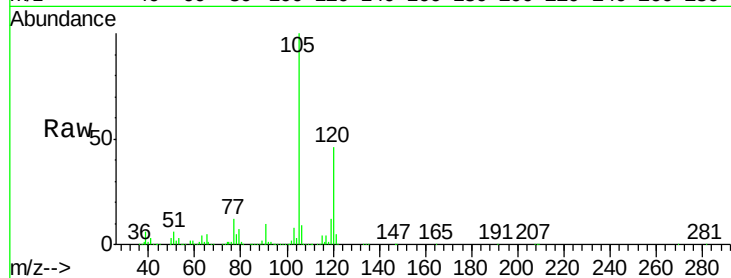
105 100

120 45.2 22.9 68.8

Manual Integrations
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#85

sec-Butylbenzene

Concen: 52.733 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016024.D

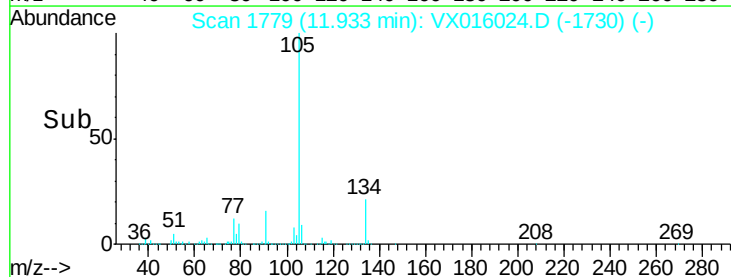
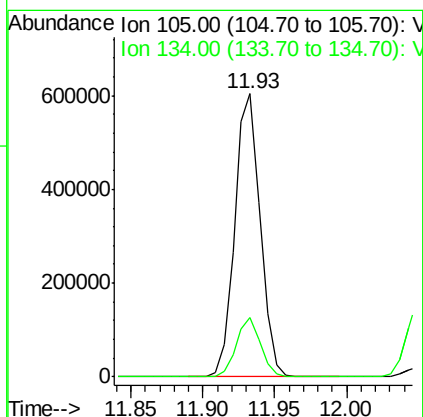
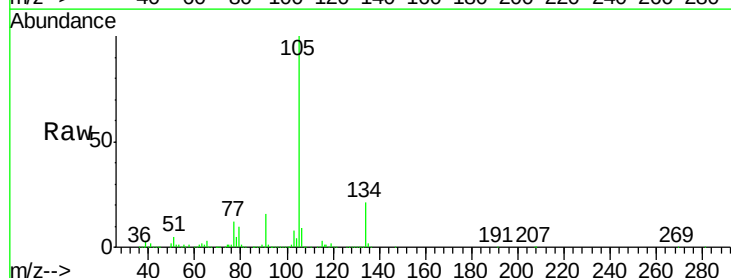
Acq: 01 May 2020 20:03

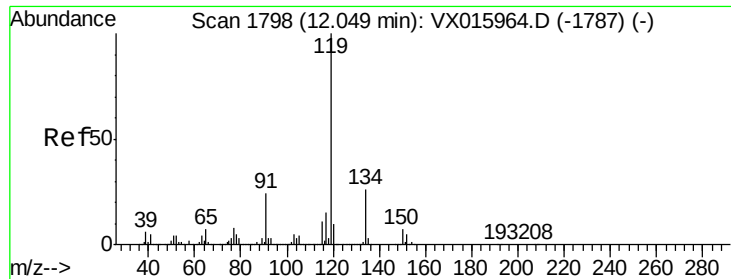
Tgt Ion:105 Resp: 743794

Ion Ratio Lower Upper

105 100

134 20.2 10.4 31.1





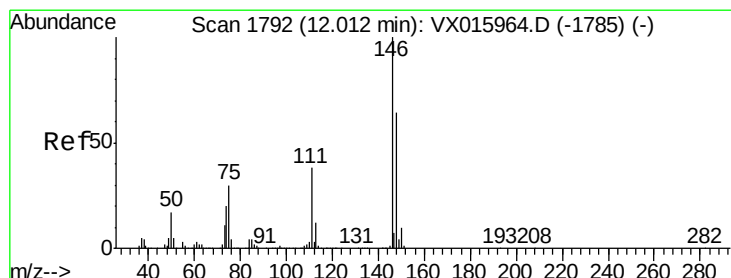
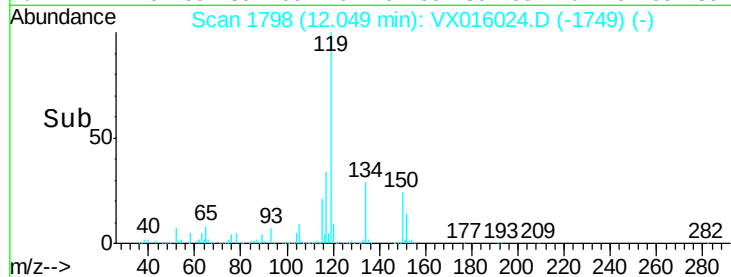
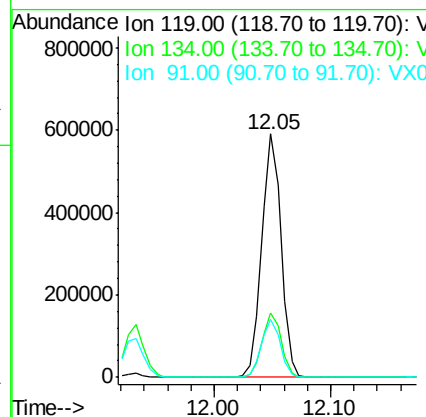
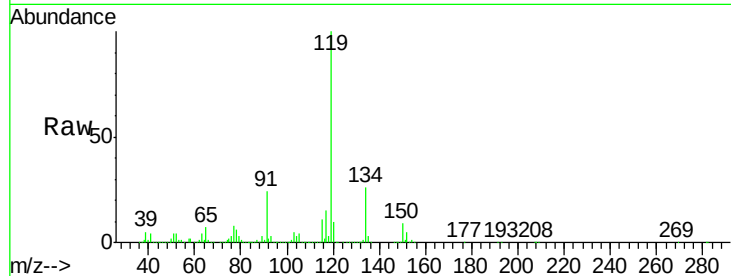
#86
 p-Isopropyltoluene
 Concen: 52.177 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	689349		
134	26.4		13.0	39.0
91	23.5		11.9	35.9

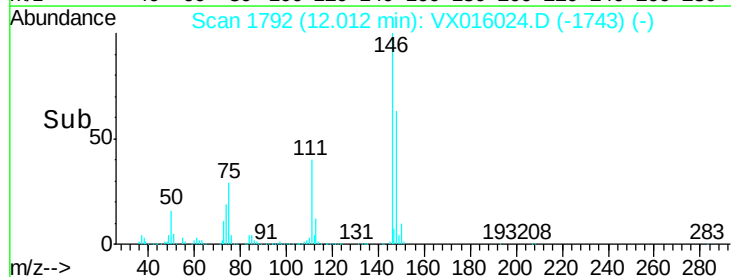
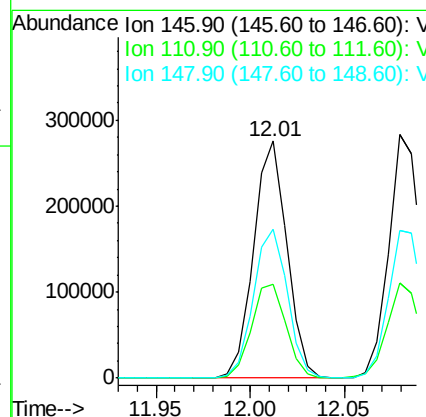
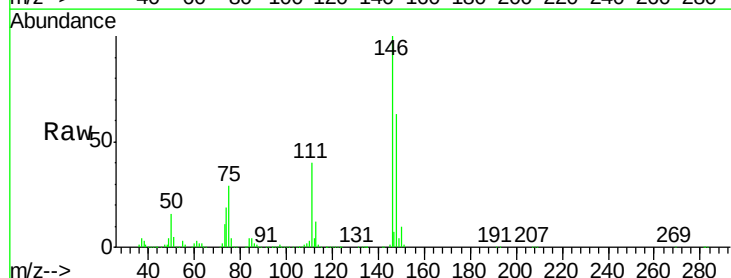
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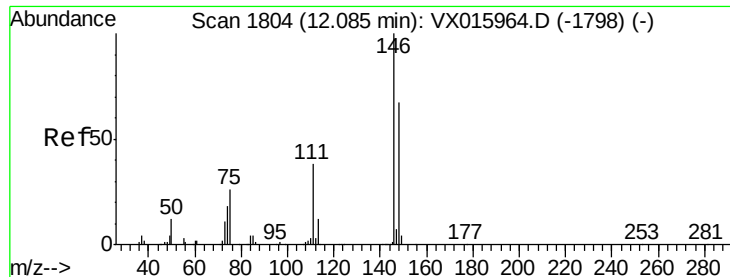
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#87
 1,3-Dichlorobenzene
 Concen: 49.993 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	338251		
111	41.3		19.6	58.8
148	64.0		32.0	96.0





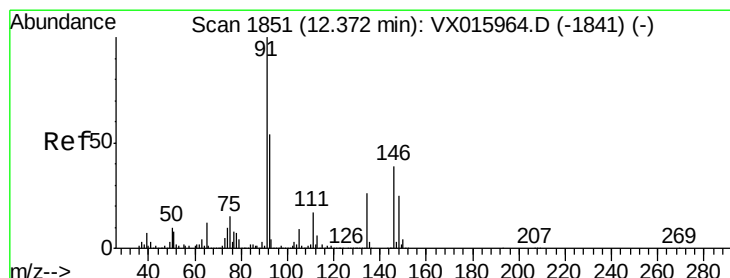
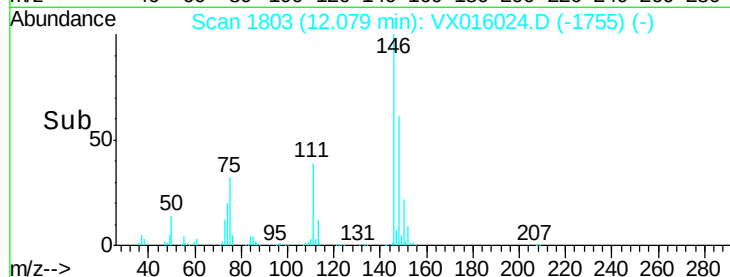
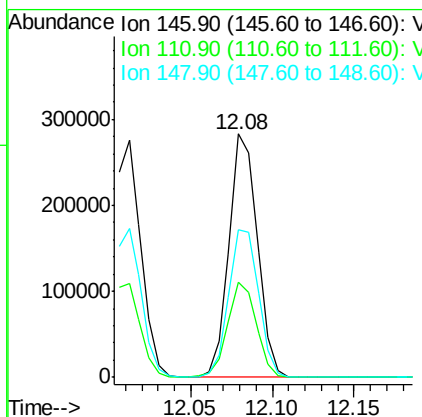
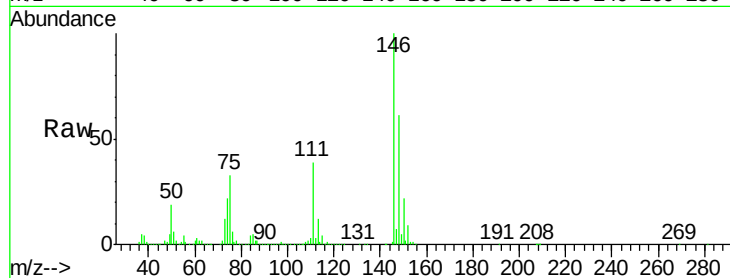
#88
 1,4-Dichlorobenzene
 Concen: 50.211 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

Tot Ion:	146	Resp:	343347
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.7	59.0
148	64.0	32.8	98.4

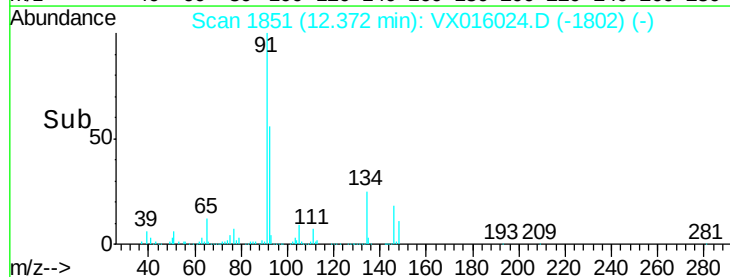
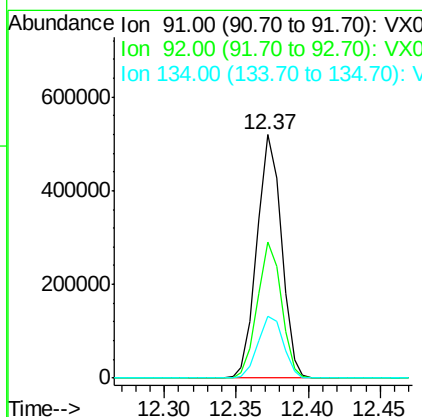
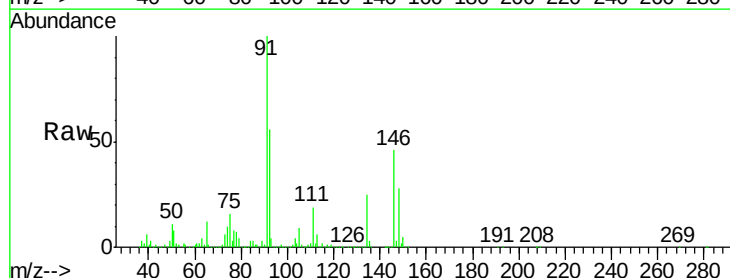
Manual Integrations
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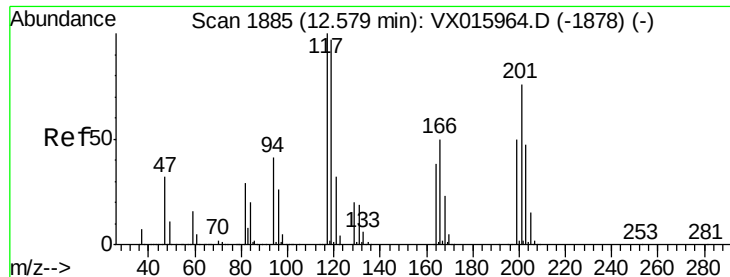
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 5/4/2020 2:20:05 PM



#89
 n-Butylbenzene
 Concen: 50.793 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Tgt Ion:	91	Resp:	606351
Ion Ratio	Lower	Upper	
91	100		
92	54.9	27.1	81.3
134	26.4	13.3	39.8





#90

Hexachloroethane

Concen: 53.128 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion:117 Resp: 124021

Ion Ratio Lower Upper

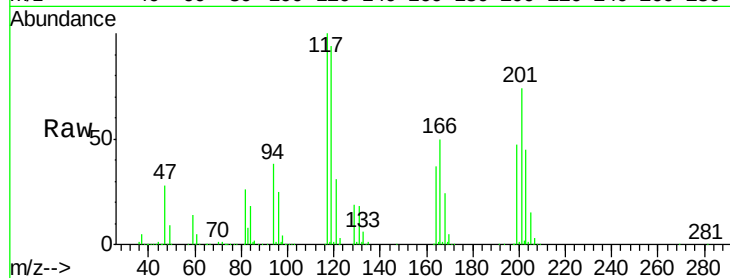
117 100

201 76.1 40.3 120.8

Manual Integrations
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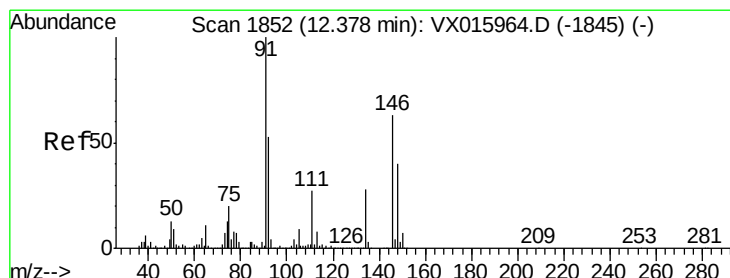
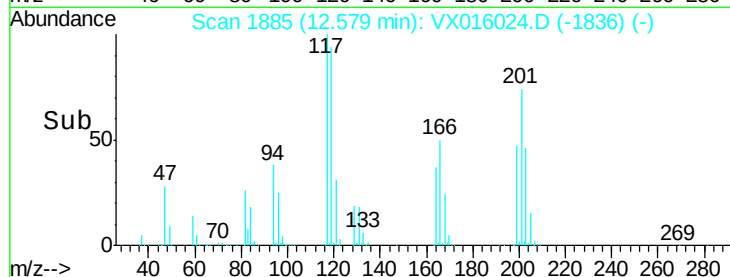
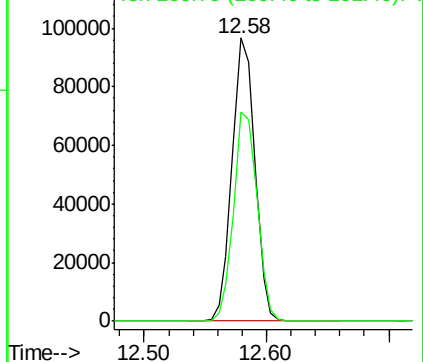
MMDadoda

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 50.863 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

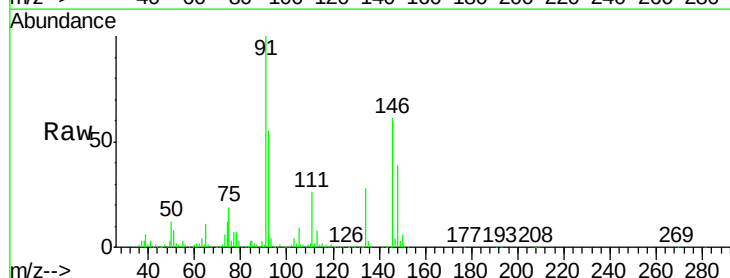
Tgt Ion:146 Resp: 329077

Ion Ratio Lower Upper

146 100

111 42.3 21.1 63.3

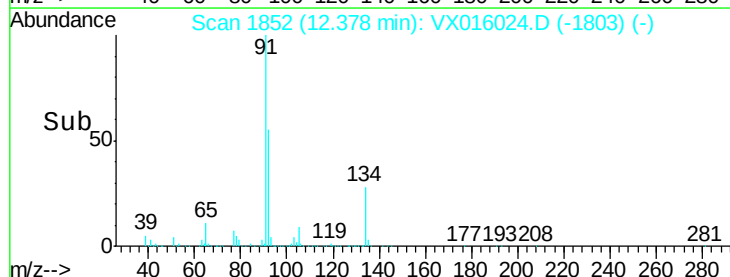
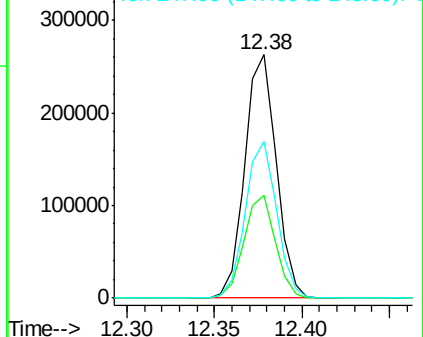
148 64.1 32.3 96.9

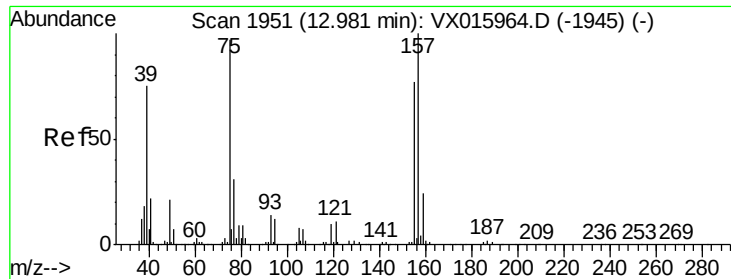


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





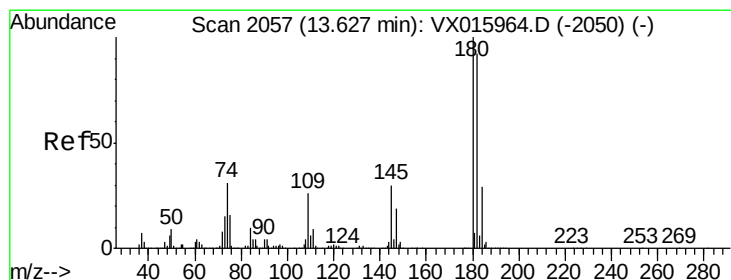
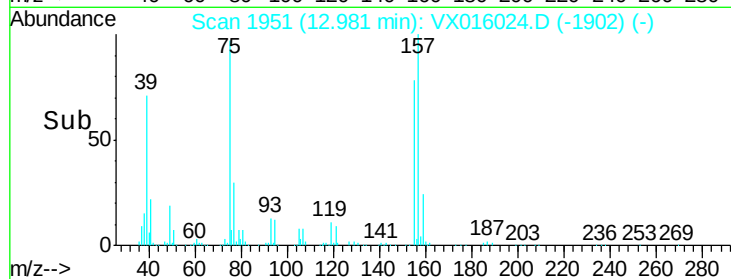
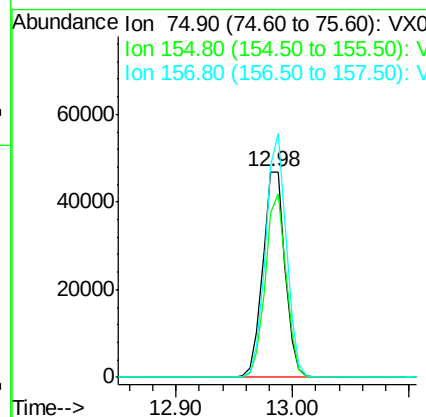
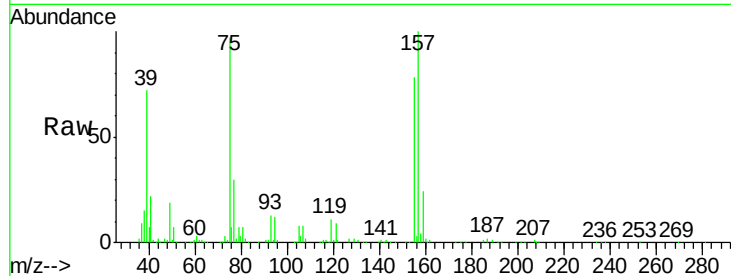
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.751 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	83.7	42.5	127.6
157	110.5	56.0	168.2

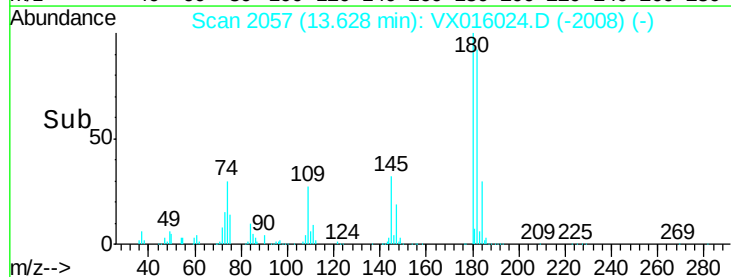
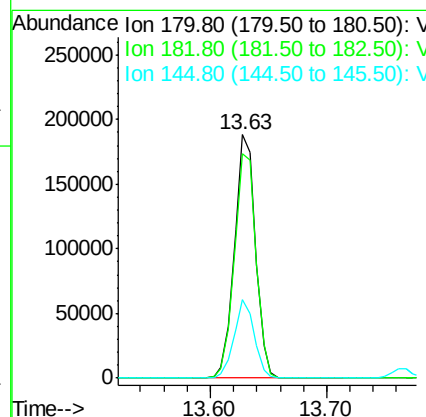
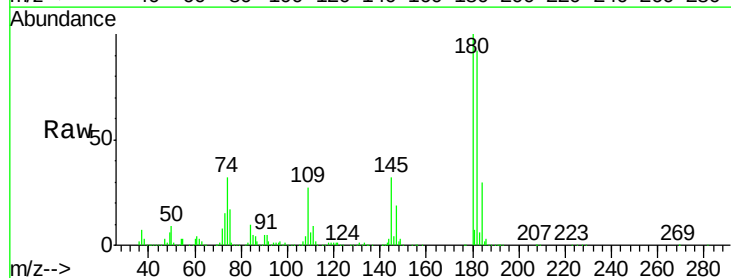
Manual Integrations
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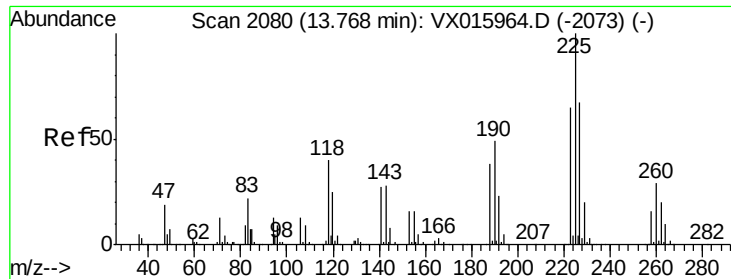
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#93
 1,2,4-Trichlorobenzene
 Concen: 48.620 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.9	140.6
145	30.9	14.7	44.1





#94

Hexachlorobutadiene

Concen: 47.376 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Instrument :

MSVOA_X

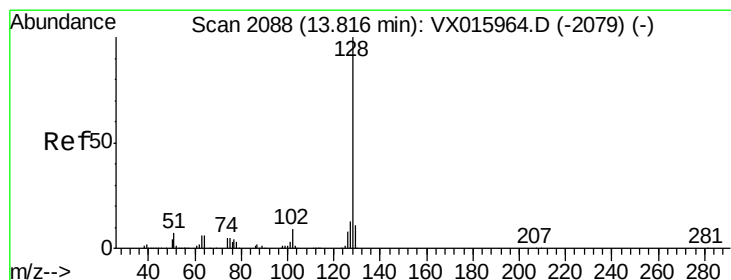
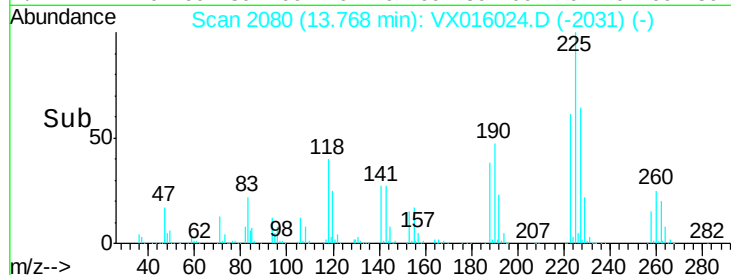
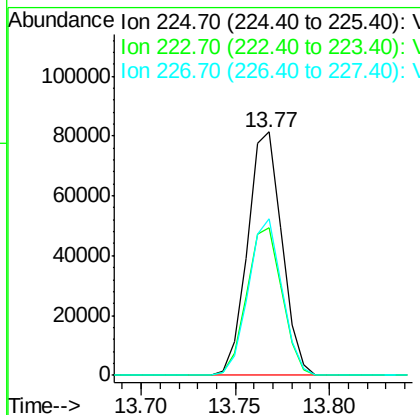
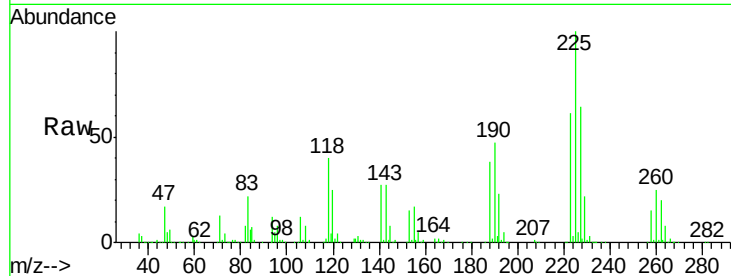
ClientSampleId :

SA-PZ191I-20200429MSD

Tot Ion:	225	Resp:	102789
Ion Ratio		Lower	Upper
225	100		
223	62.2	32.0	96.0
227	62.9	33.0	99.0

Manual Integrations
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#95

Naphthalene

Concen: 52.948 ug/l

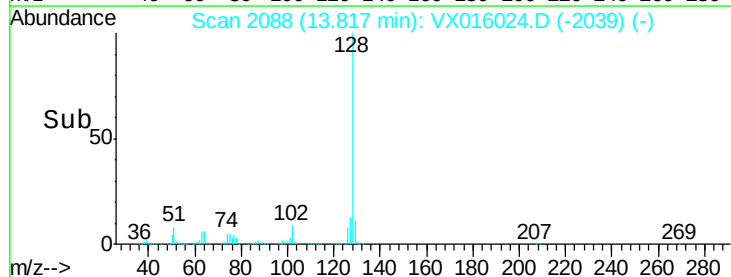
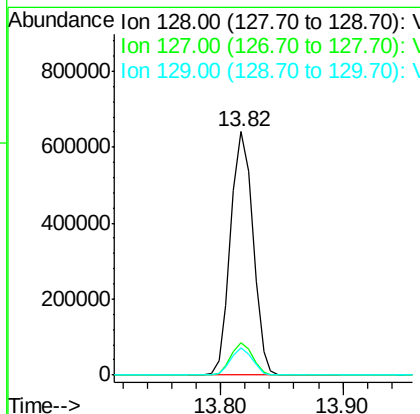
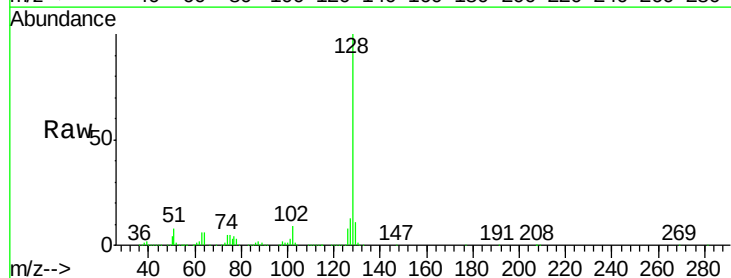
RT: 13.82 min Scan# 2088

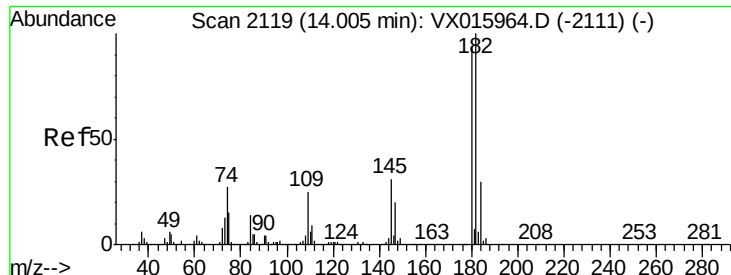
Delta R.T. 0.00 min

Lab File: VX016024.D

Acq: 01 May 2020 20:03

Tgt Ion:	128	Resp:	810947
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 50.703 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VX016024.D
 Acq: 01 May 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ191I-20200429MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	237082		
182	94.2		48.7	146.1
145	32.4		16.1	48.3

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:20:05 PM

