

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016769.D
 Acq On : 16 Jun 2020 10:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/17/2020 9:34:30 AM

Quant Time: Jun 17 04:08:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	255545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	383933	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	357183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	180854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	147778	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	5.46	113	118467	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	8.70	98	452393	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	11.12	95	170416	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	146554	50.761	ug/l	99
3) Chloromethane	1.31	50	137317	49.225	ug/l	99
4) Vinyl Chloride	1.39	62	150819	50.668	ug/l	98
5) Bromomethane	1.62	94	82059	44.390	ug/l	98
6) Chloroethane	1.70	64	91909	50.126	ug/l	99
7) Trichlorofluoromethane	1.91	101	218505	50.969	ug/l	100
8) Diethyl Ether	2.17	74	83931	47.942	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	118086	54.141	ug/l	98
10) Methyl Iodide	2.49	142	134747	49.428	ug/l	99
11) Tert butyl alcohol	3.01	59	174036	241.013	ug/l	100
12) 1,1-Dichloroethene	2.35	96	120526	48.256	ug/l	99
13) Acrolein	2.27	56	78214	254.343	ug/l	98
14) Allyl chloride	2.70	41	191719	49.079	ug/l	98
15) Acrylonitrile	3.11	53	373740	255.066	ug/l	99
16) Acetone	2.42	43	318298	244.124	ug/l	98
17) Carbon Disulfide	2.55	76	330255	46.169	ug/l	100
18) Methyl Acetate	2.75	43	185199	53.216	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	427827	50.258	ug/l	99
20) Methylene Chloride	2.83	84	133657	47.591	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	128131	47.739	ug/l	97
22) Diisopropyl ether	3.82	45	368577	50.232	ug/l	95
23) Vinyl Acetate	3.78	43	1612452	254.249	ug/l	99
24) 1,1-Dichloroethane	3.67	63	220081	47.956	ug/l	99
25) 2-Butanone	4.63	43	500484	254.697	ug/l	99
26) 2,2-Dichloropropane	4.54	77	203688	47.933	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	145963	47.580	ug/l	99
28) Bromochloromethane	4.98	49	93817	47.922	ug/l	99
29) Tetrahydrofuran	5.08	42	326163	256.223	ug/l	99
30) Chloroform	5.17	83	233962	48.188	ug/l	100
31) Cyclohexane	5.54	56	190565	51.546	ug/l	96
32) 1,1,1-Trichloroethane	5.46	97	215605	48.938	ug/l	100
36) 1,1-Dichloropropene	5.76	75	169284	49.893	ug/l	99
37) Ethyl Acetate	4.79	43	191517	51.543	ug/l	98
38) Carbon Tetrachloride	5.75	117	196604	51.022	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	202879	51.535	ug/l	97
40) Benzene	6.11	78	514486	49.803	ug/l	99
41) Methacrylonitrile	5.00	41	103514	52.249	ug/l	98
42) 1,2-Dichloroethane	6.16	62	188622	50.027	ug/l	100
43) Isopropyl Acetate	6.41	43	302736	51.986	ug/l	100
44) Trichloroethene	7.18	130	181131	56.685	ug/l	99
45) 1,2-Dichloropropane	7.49	63	128149	50.605	ug/l	98
46) Dibromomethane	7.63	93	93168	50.479	ug/l	99
47) Bromodichloromethane	7.87	83	194293	50.494	ug/l	98
48) Methyl methacrylate	7.74	41	148201	53.694	ug/l	98
49) 1,4-Dioxane	7.71	88	68637	1004.867	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	953738	265.779	ug/l	100
52) Toluene	8.76	92	337544	50.304	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	223130	51.341	ug/l	100
54) cis-1,3-Dichloropropene	8.41	75	229802	50.691	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	136992	50.766	ug/l	97
56) Ethyl methacrylate	9.16	69	219165	54.245	ug/l	100
57) 1,3-Dichloropropane	9.35	76	230158	50.739	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	543983	273.830	ug/l	100
59) 2-Hexanone	9.47	43	745723	269.198	ug/l	99
60) Dibromochloromethane	9.57	129	164273	51.508	ug/l	100
61) 1,2-Dibromoethane	9.65	107	150490	51.171	ug/l	99
64) Tetrachloroethene	9.32	164	211609	61.696	ug/l	99
65) Chlorobenzene	10.12	112	365790	50.470	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	146907	50.810	ug/l	99
67) Ethyl Benzene	10.23	91	635341	51.855	ug/l	100
68) m/p-Xylenes	10.34	106	490085	105.496	ug/l	99
69) o-Xylene	10.68	106	228516	51.060	ug/l	96
70) Styrene	10.69	104	407437	52.663	ug/l	99
71) Bromoform	10.84	173	131651	53.367	ug/l #	99
73) Isopropylbenzene	11.00	105	632842	53.328	ug/l	99
74) N-amyl acetate	10.88	43	258702	56.090	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.25	83	141996	40.677	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	201416m	52.959	ug/l	
77) Bromobenzene	11.24	156	168679	50.342	ug/l	99
78) n-propylbenzene	11.34	91	699181	54.253	ug/l	99
79) 2-Chlorotoluene	11.40	91	423097	51.918	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	543157	54.601	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	78065	51.673	ug/l	98
82) 4-Chlorotoluene	11.49	91	495050	51.898	ug/l	100
83) tert-Butylbenzene	11.76	119	460294	50.568	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	551546	54.808	ug/l	99
85) sec-Butylbenzene	11.93	105	577188	54.210	ug/l	100
86) p-Isopropyltoluene	12.05	119	563769	55.185	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	285616	50.421	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	289977	49.362	ug/l	99
89) n-Butylbenzene	12.37	91	457234	54.217	ug/l	99
90) Hexachloroethane	12.58	117	96906	51.439	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	280594	49.533	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	50135	51.358	ug/l	99

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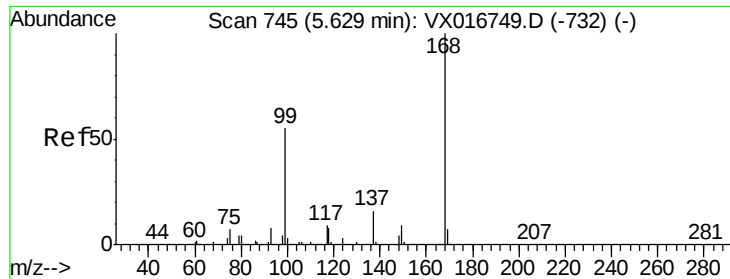
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	202885	51.143	ug/l	97
94) Hexachlorobutadiene	13.77	225	88212	50.527	ug/l	99
95) Naphthalene	13.82	128	663129	53.358	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	198662	50.879	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 255545

Ion Ratio Lower Upper

168 100

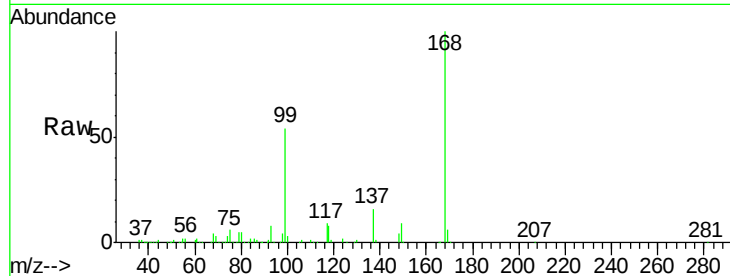
99 54.3 43.8 65.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

100000

80000

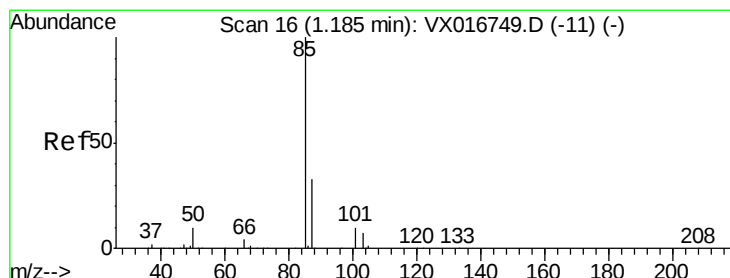
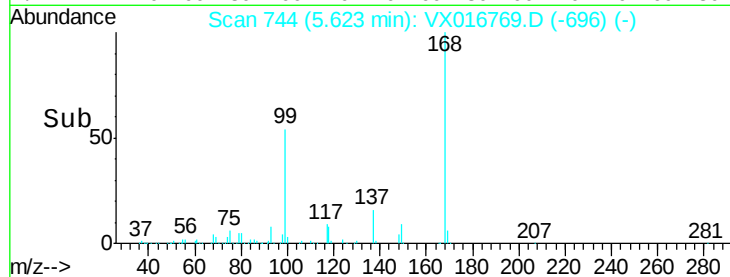
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.761 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016769.D

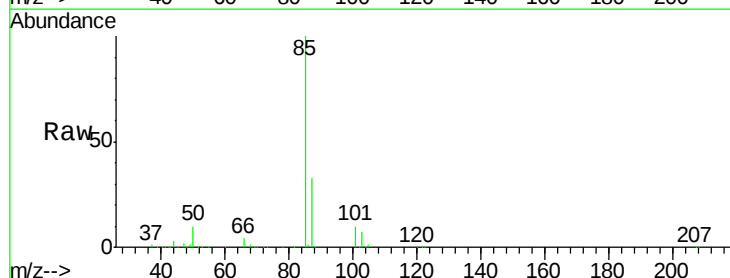
Acq: 16 Jun 2020 10:59

Tgt Ion: 85 Resp: 146554

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

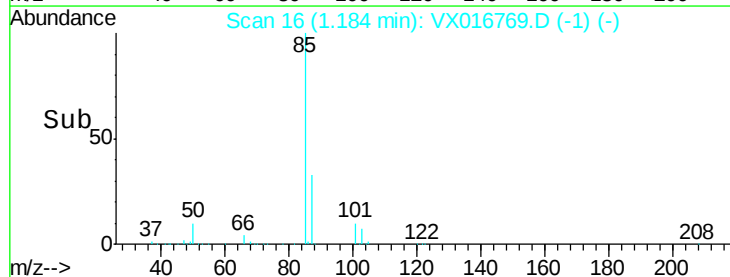
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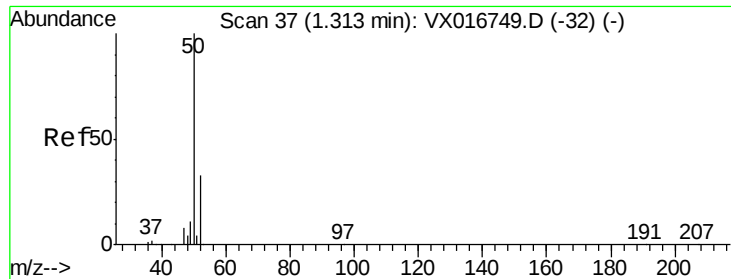
100000

50000

0

Time-->





#3

Chloromethane

Concen: 49.225 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 137317

Ion Ratio Lower Upper

50 100

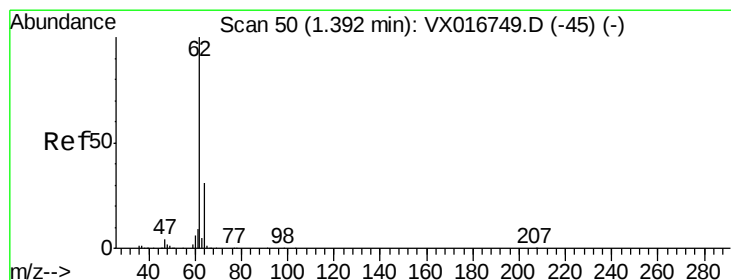
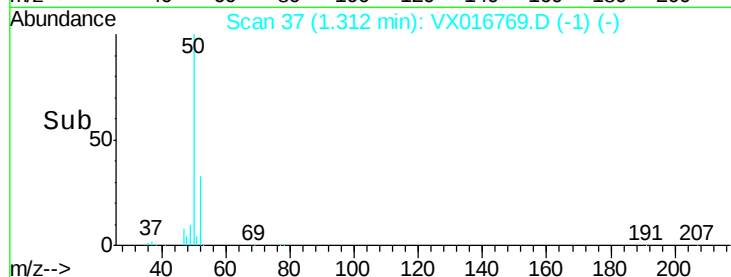
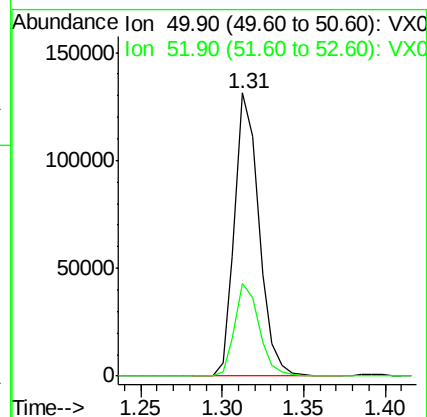
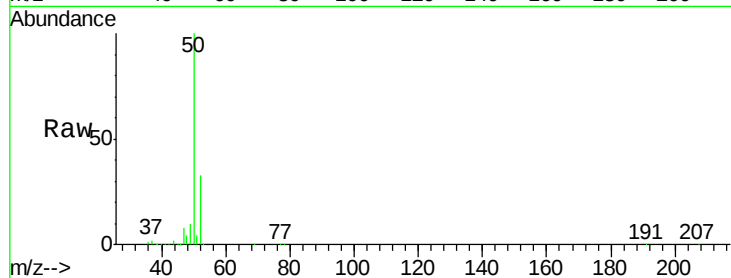
52 32.6 26.5 39.7

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#4

Vinyl Chloride

Concen: 50.668 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016769.D

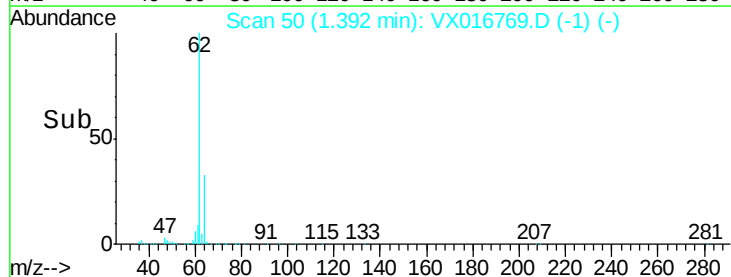
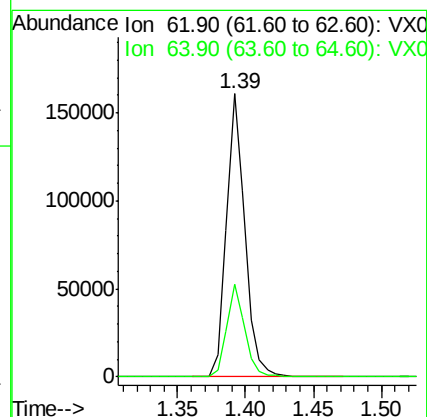
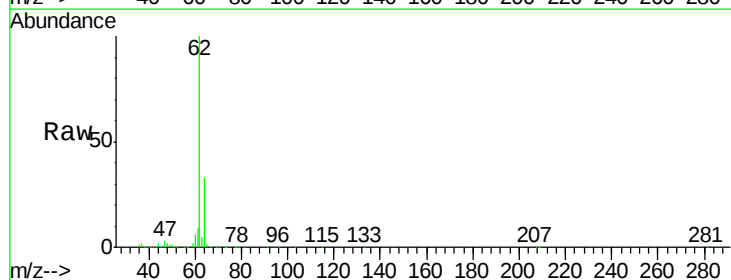
Acq: 16 Jun 2020 10:59

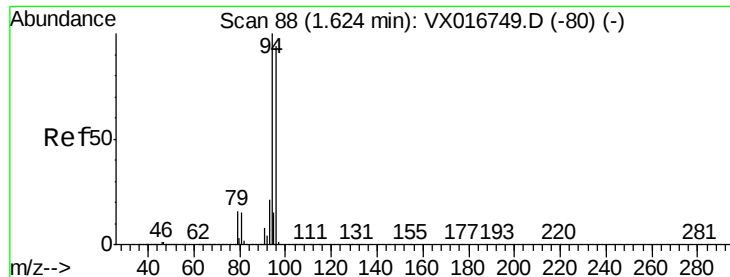
Tgt Ion: 62 Resp: 150819

Ion Ratio Lower Upper

62 100

64 32.6 25.1 37.7





#5

Bromomethane

Concen: 44.390 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 82059

Ion Ratio Lower Upper

94 100

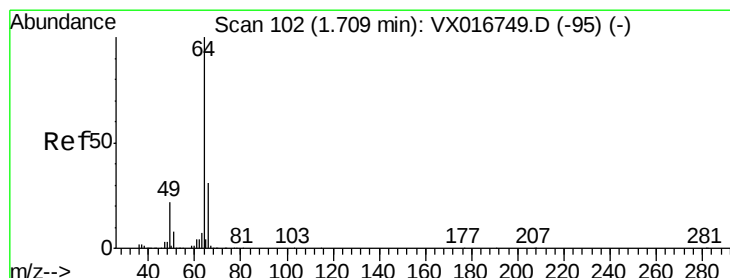
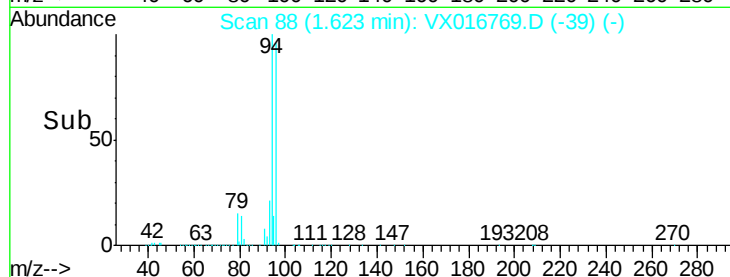
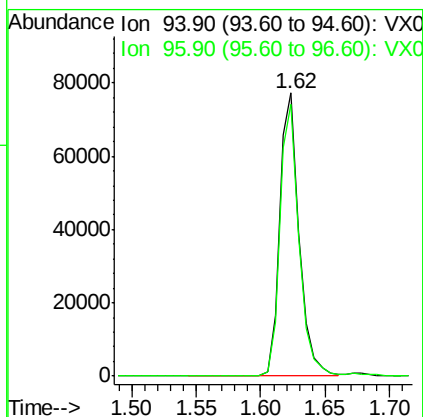
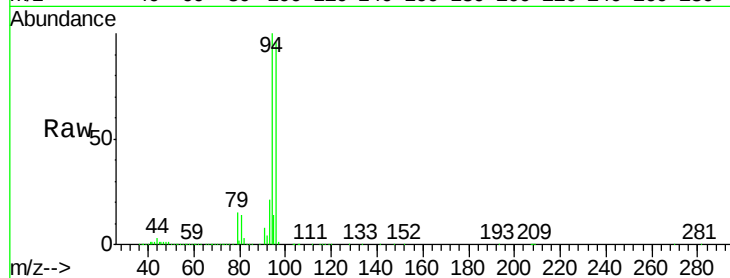
96 95.8 75.4 113.0

Manual Integrations

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#6

Chloroethane

Concen: 50.126 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX016769.D

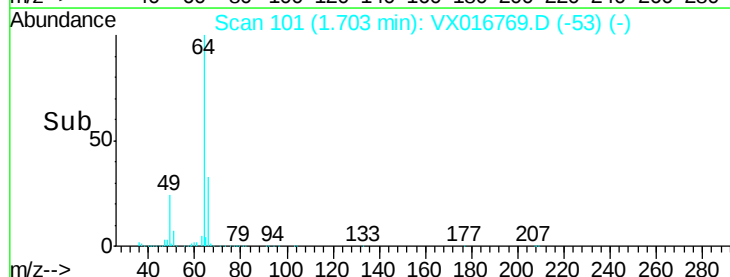
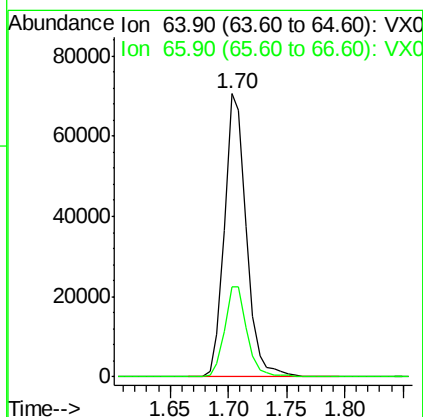
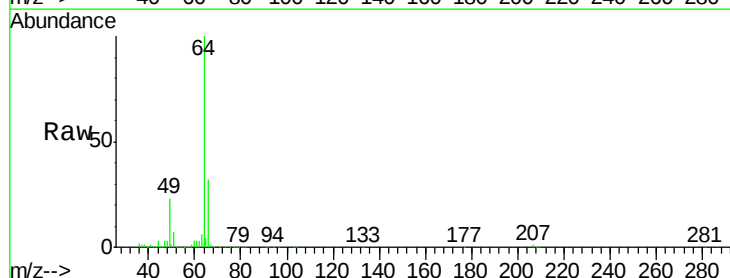
Acq: 16 Jun 2020 10:59

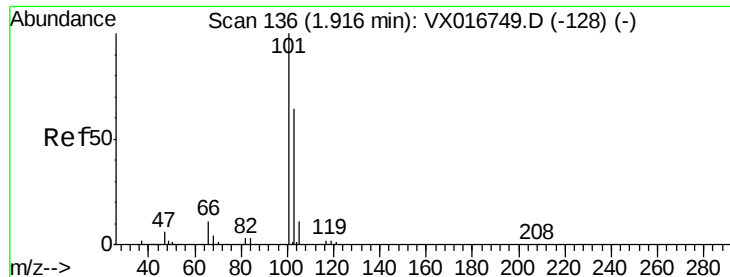
Tgt Ion: 64 Resp: 91909

Ion Ratio Lower Upper

64 100

66 31.6 25.0 37.6





#7

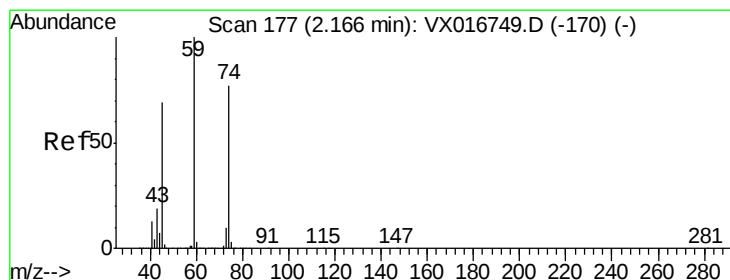
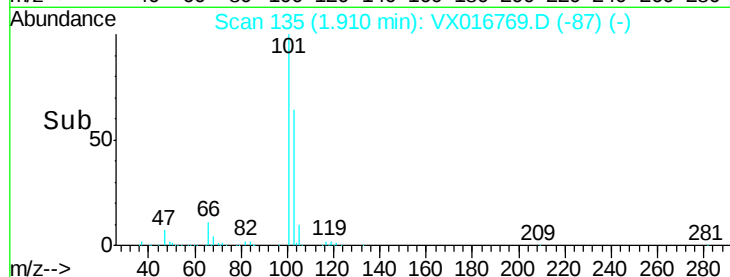
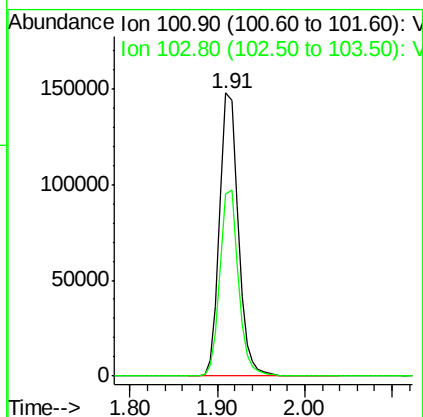
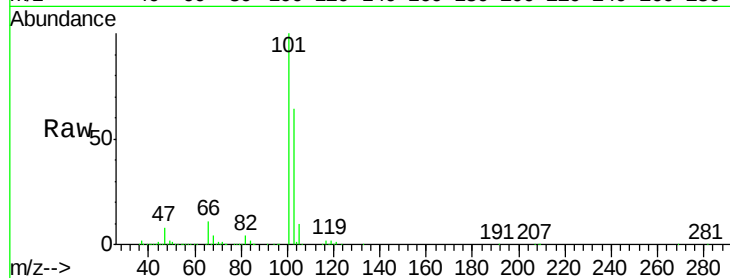
Trichlorofluoromethane
Concen: 50.969 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX016769.D
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.3	76.9

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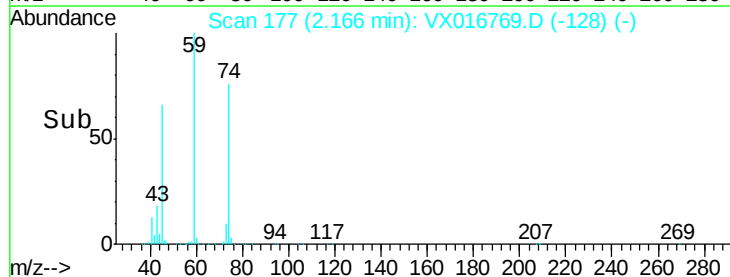
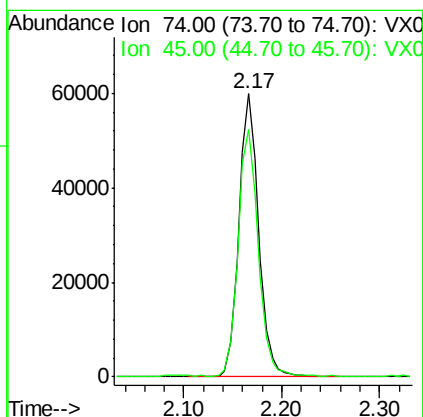
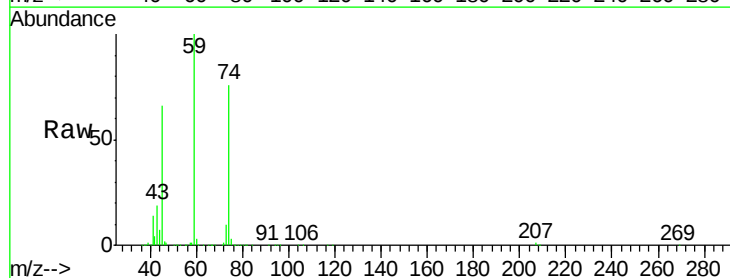
MMDadoda
6/17/2020 9:34:30 AM

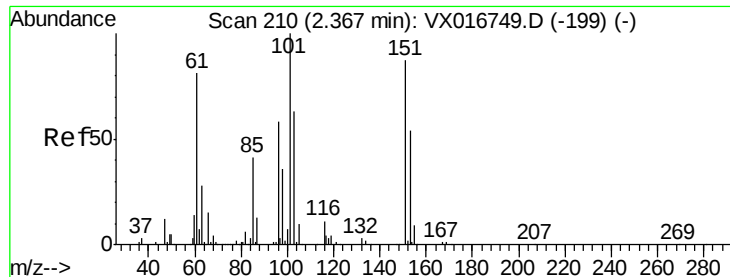


#8

Diethyl Ether
Concen: 47.942 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.4	43.5	130.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.141 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

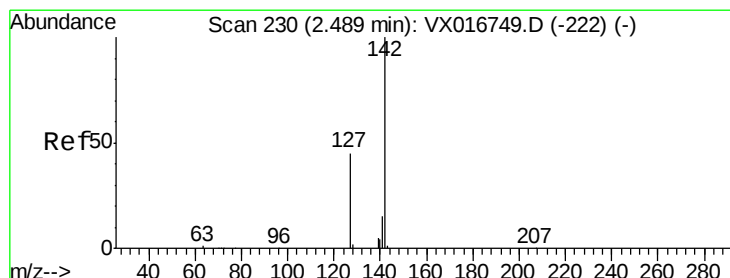
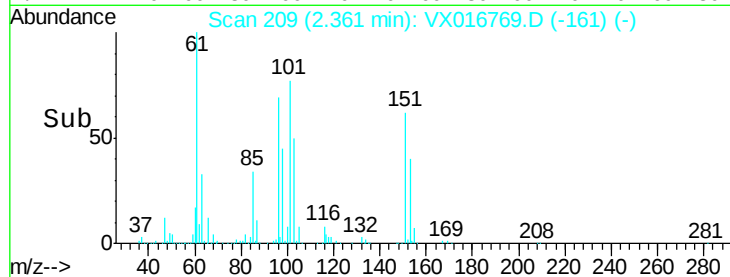
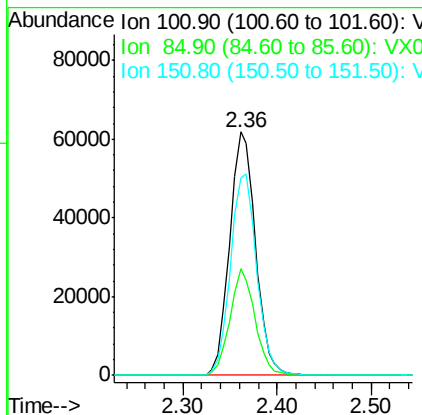
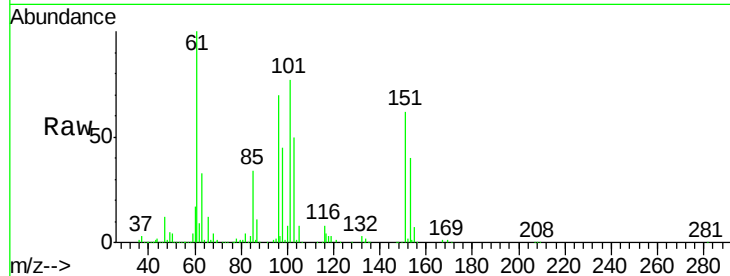
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	118086
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.0	51.0
151	84.0	68.7	103.1

Manual Integrations
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#10

Methyl Iodide

Concen: 49.428 ug/l

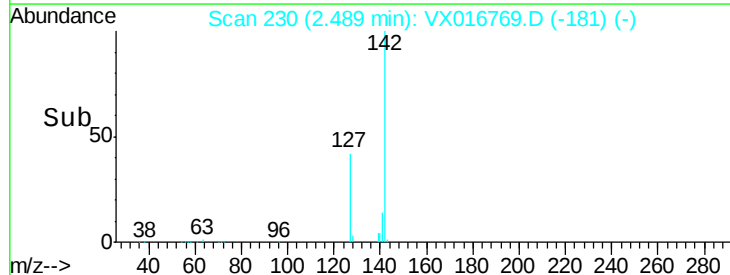
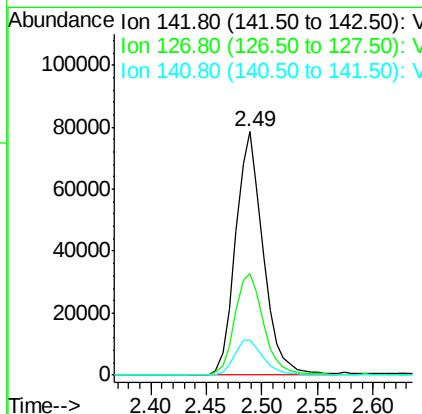
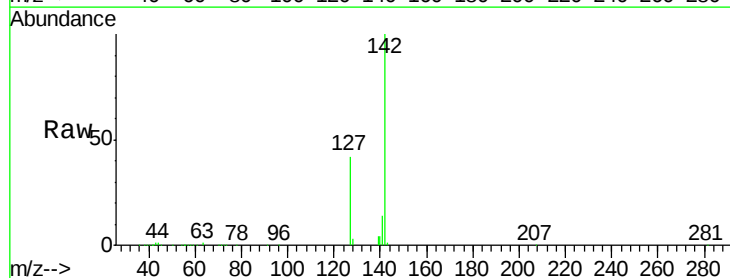
RT: 2.49 min Scan# 230

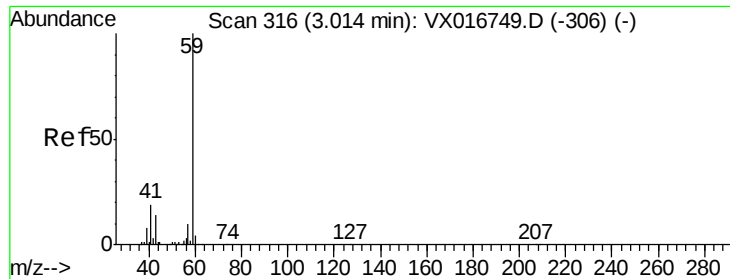
Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Tgt Ion:	142	Resp:	134747
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.4	53.2
141	15.1	11.7	17.5





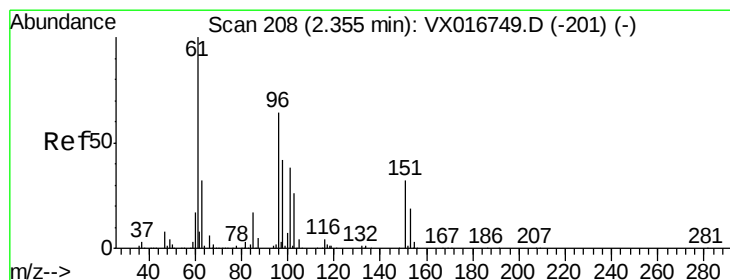
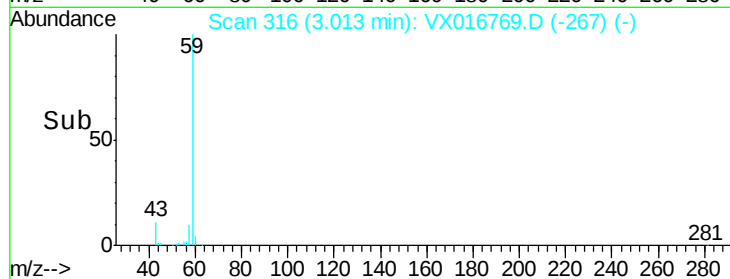
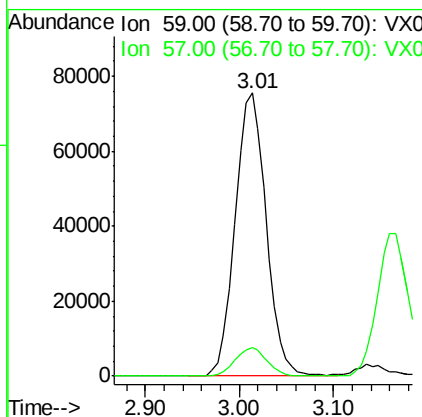
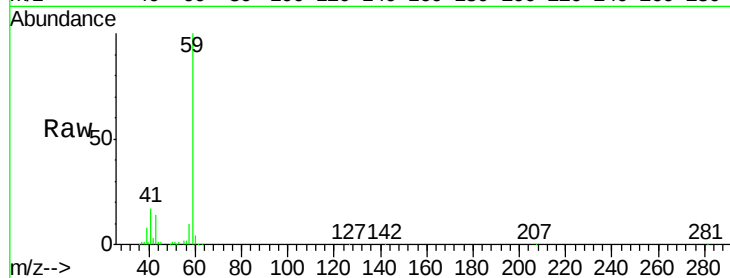
#11
Tert butyl alcohol
Concen: 241.013 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 174036
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

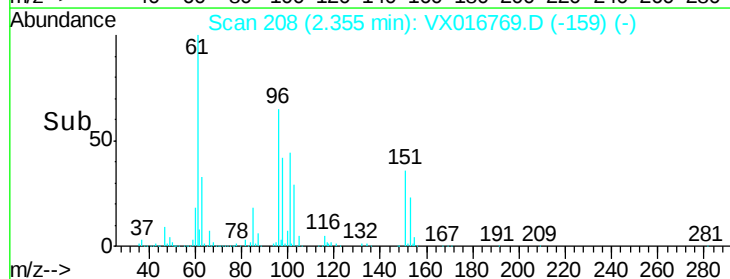
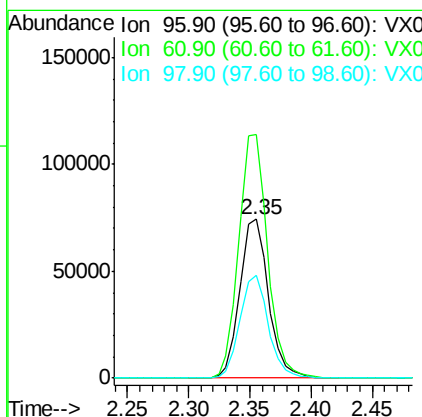
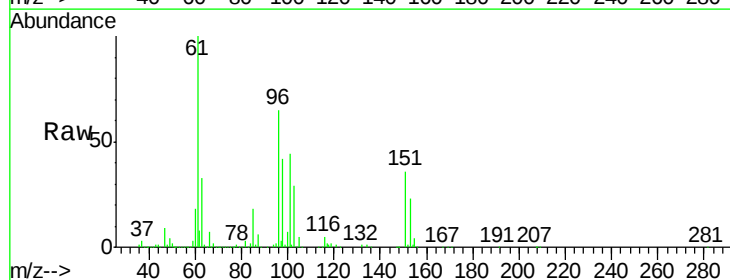
Manual Integrations
APPROVED

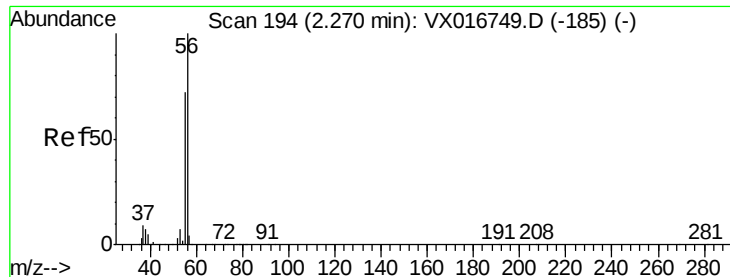
MMDadoda
6/17/2020 9:34:30 AM



#12
1,1-Dichloroethene
Concen: 48.256 ug/l
RT: 2.35 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion: 96 Resp: 120526
Ion Ratio Lower Upper
96 100
61 153.2 124.1 186.1
98 64.9 52.7 79.1





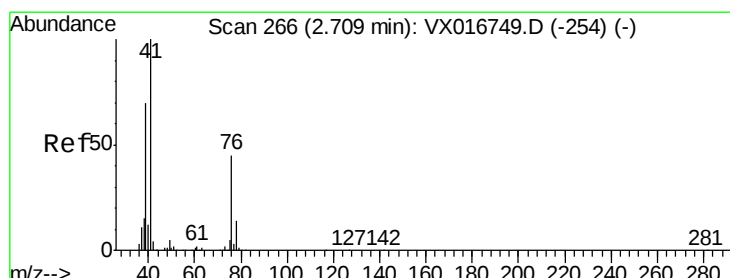
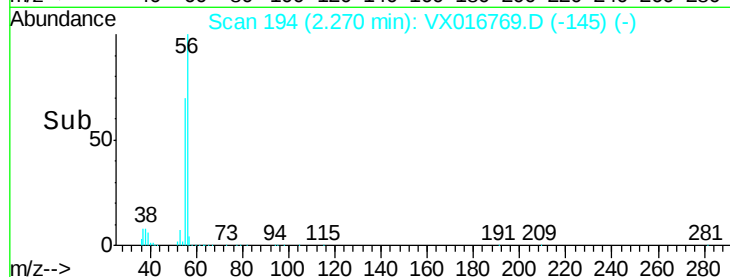
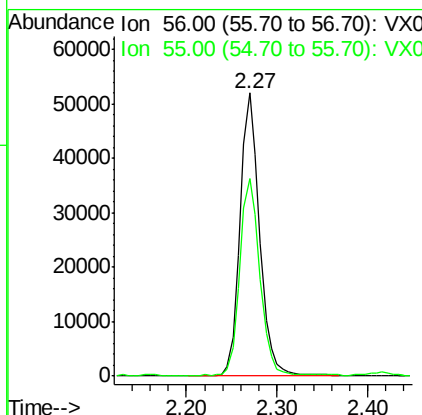
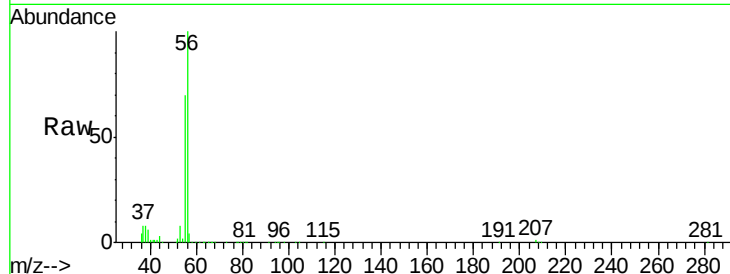
#13
Acrolein
Concen: 254.343 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.3	58.2	87.4

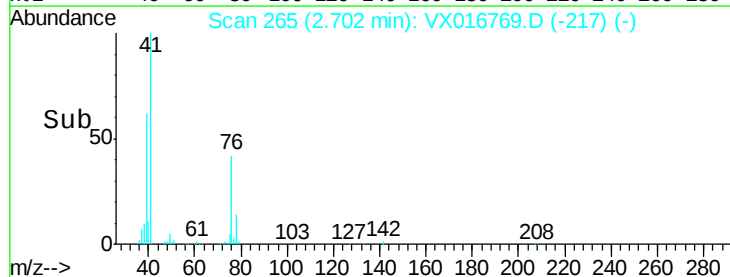
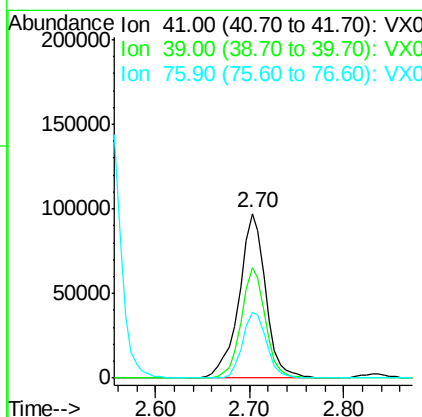
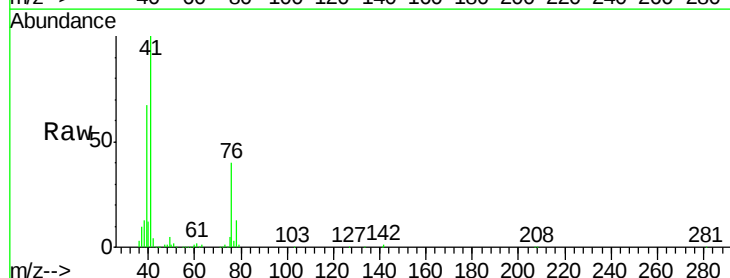
Manual Integrations
APPROVED

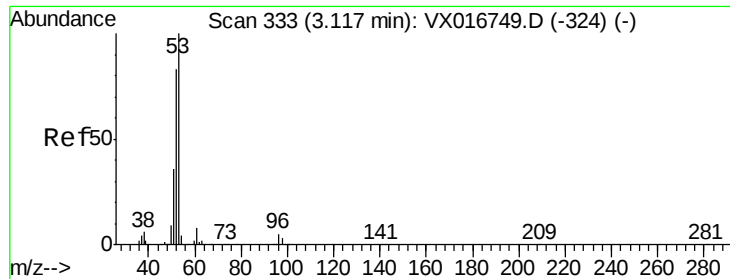
MMDadoda
6/17/2020 9:34:30 AM



#14
Allyl chloride
Concen: 49.079 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.3	50.2	75.4
76	36.4	30.4	45.6





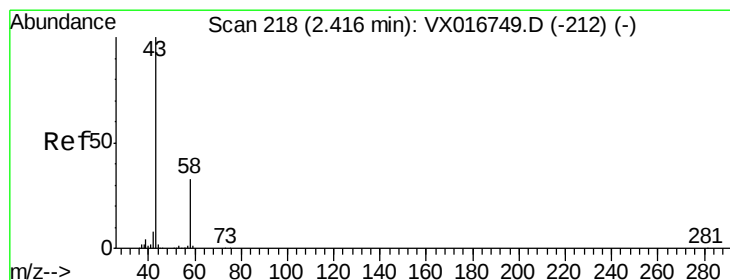
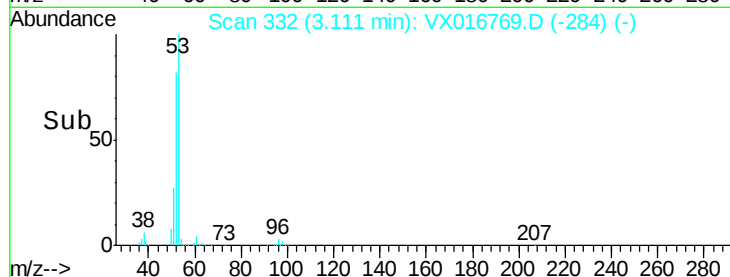
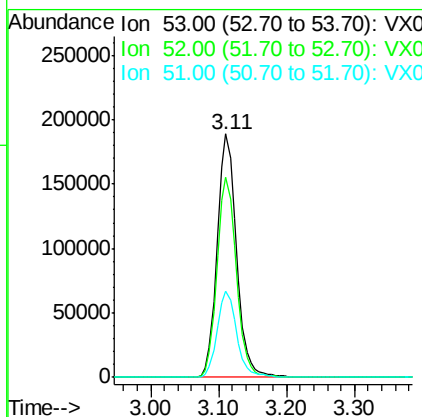
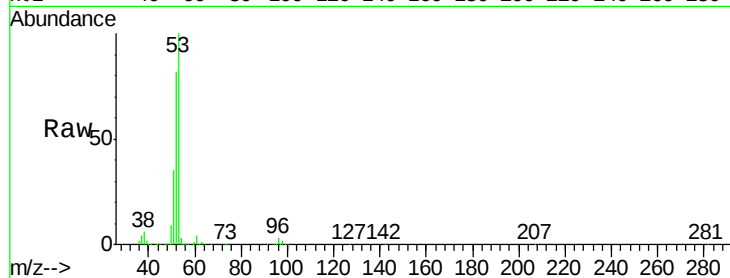
#15
 Acrylonitrile
 Concen: 255.066 ug/l
 RT: 3.11 min Scan# 332
 Delta R.T. -0.01 min
 Lab File: VX016769.D
 Acq: 16 Jun 2020 10:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	373740
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.5	98.3
51	36.0	28.6	42.8

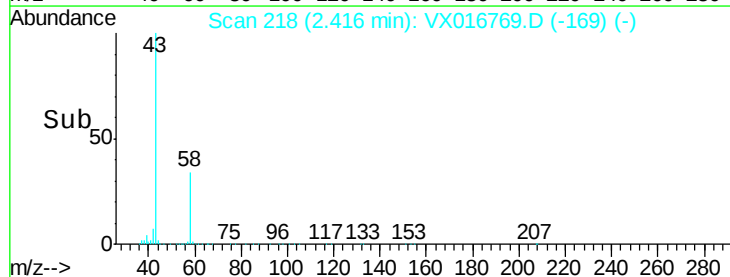
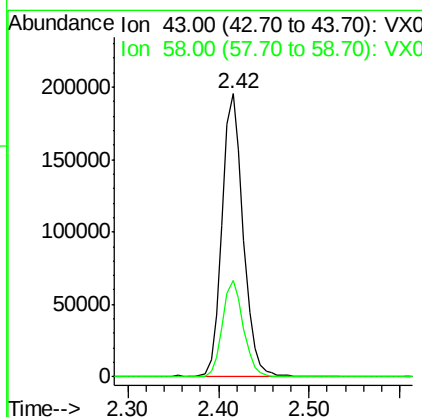
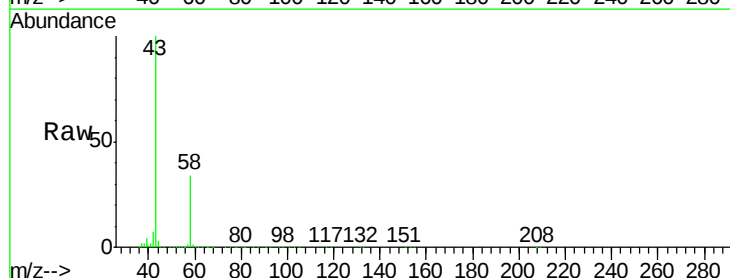
Manual Integrations
 APPROVED

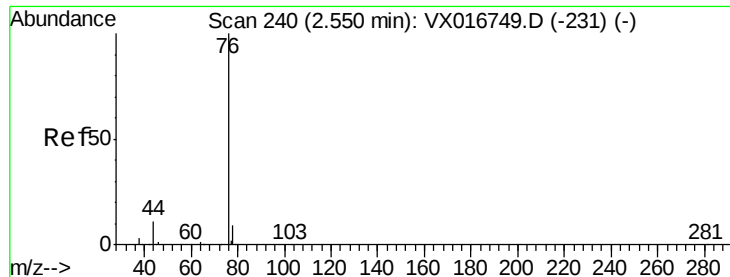
MMDadoda
 6/17/2020 9:34:30 AM



#16
 Acetone
 Concen: 244.124 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.00 min
 Lab File: VX016769.D
 Acq: 16 Jun 2020 10:59

Tgt Ion:	43	Resp:	318298
Ion	Ratio	Lower	Upper
43	100		
58	34.0	26.3	39.5





#17

Carbon Disulfide

Concen: 46.169 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 330255

Ion Ratio Lower Upper

76 100

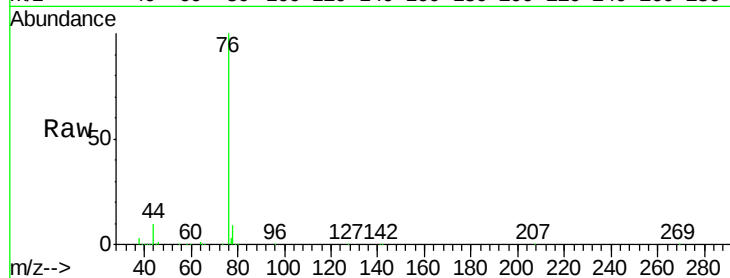
78 9.3 7.3 10.9

Manual Integrations

APPROVED

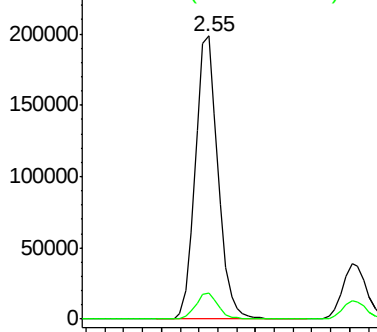
MMDadoda

6/17/2020 9:34:30 AM

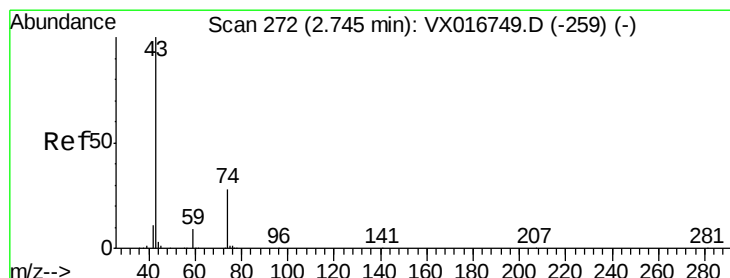
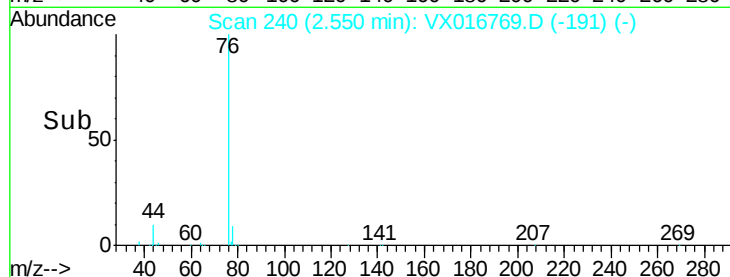


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 53.216 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX016769.D

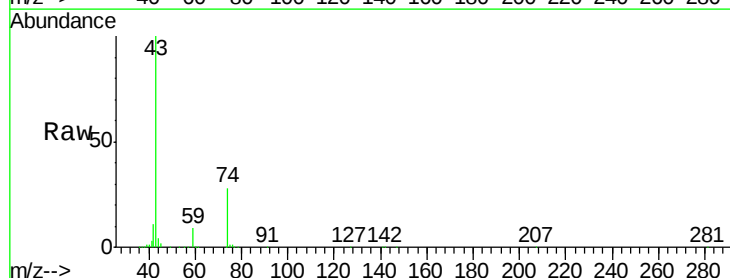
Acq: 16 Jun 2020 10:59

Tgt Ion: 43 Resp: 185199

Ion Ratio Lower Upper

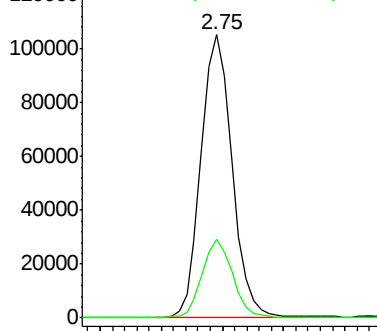
43 100

74 27.6 22.4 33.6

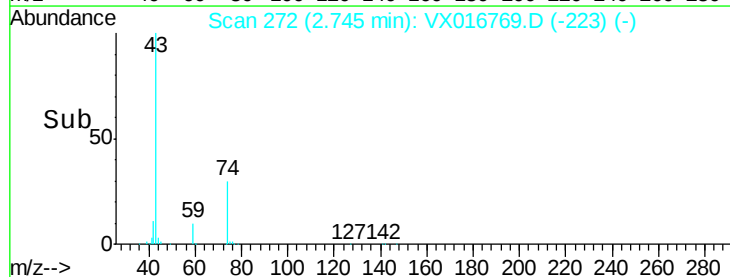


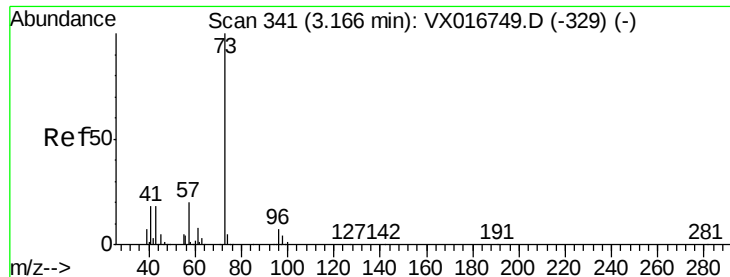
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->





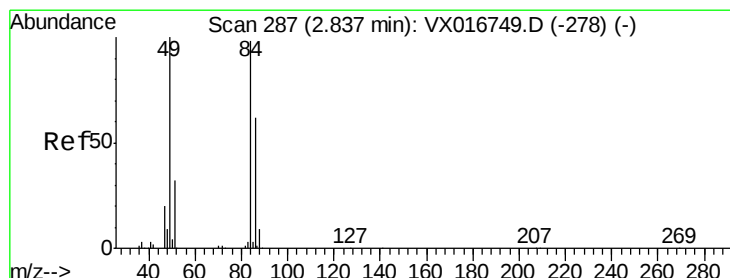
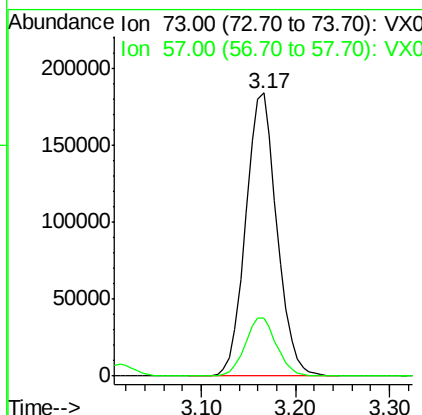
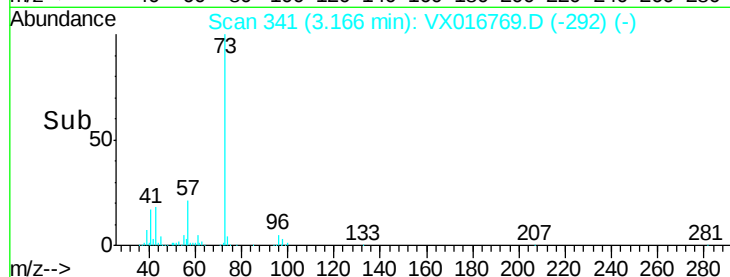
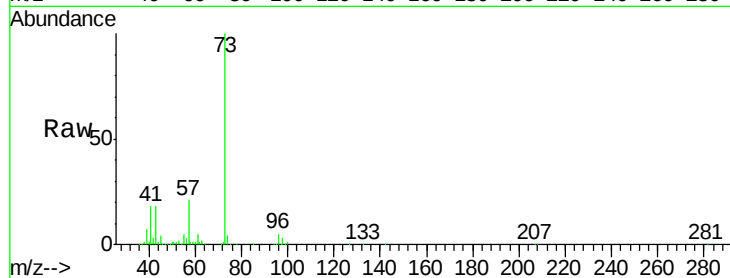
#19
Methvl tert-butvl Ether
Concen: 50.258 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 427827
Ion Ratio Lower Upper
73 100
57 20.7 16.2 24.4

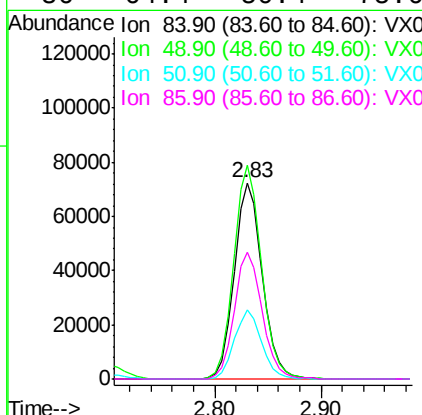
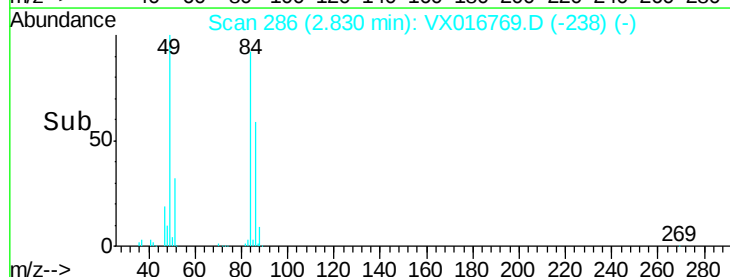
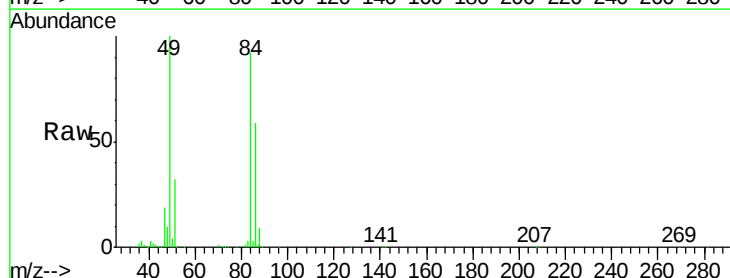
Manual Integrations
APPROVED

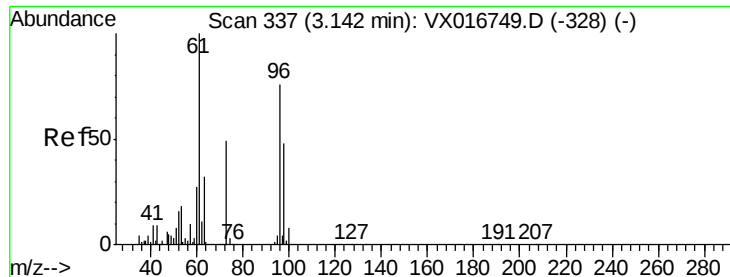
MMDadoda
6/17/2020 9:34:30 AM



#20
Methylene Chloride
Concen: 47.591 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion: 84 Resp: 133657
Ion Ratio Lower Upper
84 100
49 108.8 81.8 122.8
51 34.9 25.8 38.8
86 64.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 47.739 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

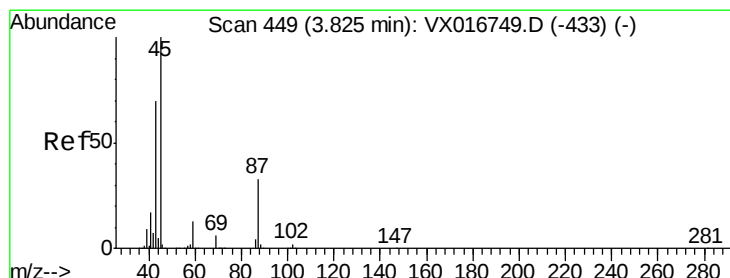
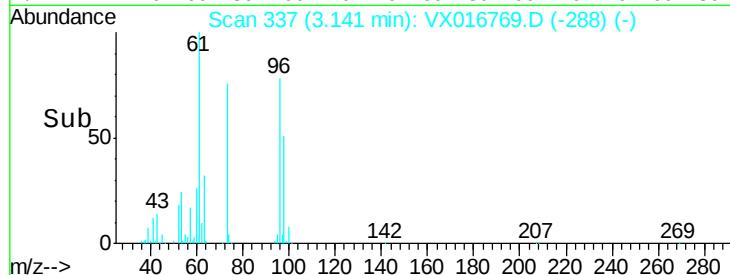
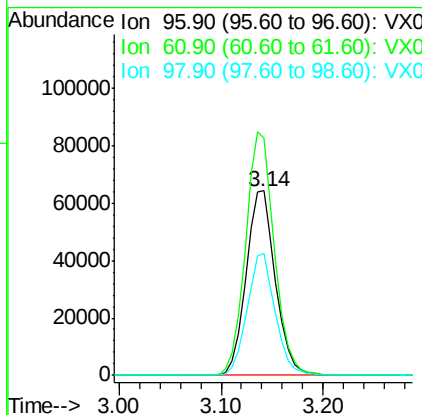
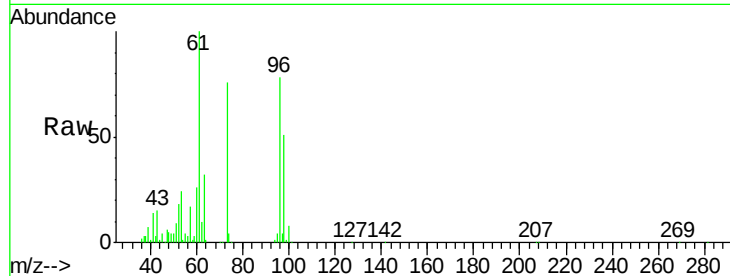
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	128131
Ion	Ratio	Lower	Upper
96	100		
61	128.4	105.4	158.2
98	65.7	50.8	76.2

Manual Integrations
APPROVED

MMDadoda
6/17/2020 9:34:30 AM



#22

Diisopropyl ether

Concen: 50.232 ug/l

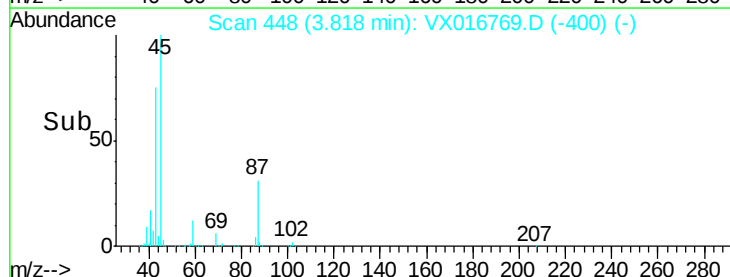
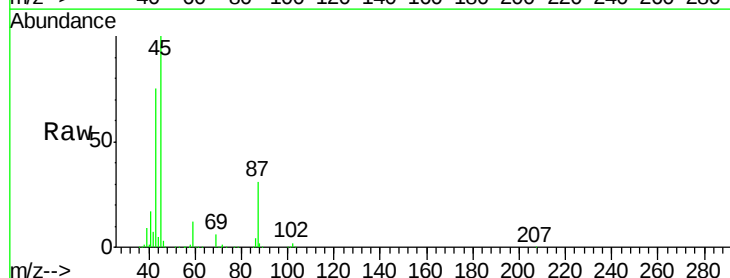
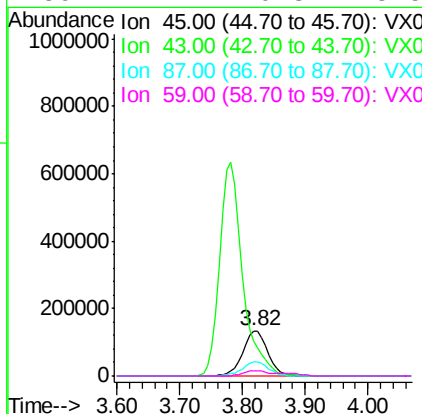
RT: 3.82 min Scan# 448

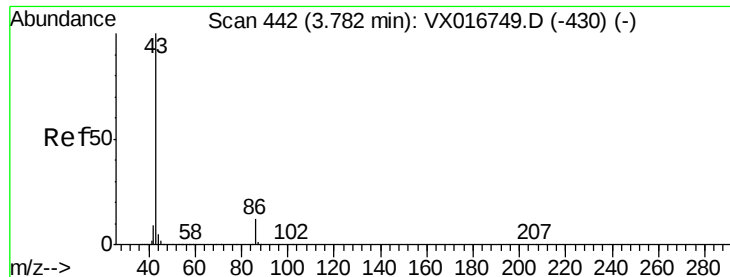
Delta R.T. -0.01 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Tgt Ion:	45	Resp:	368577
Ion	Ratio	Lower	Upper
45	100		
43	75.3	56.2	84.4
87	30.7	26.2	39.4
59	12.2	10.3	15.5





#23

Vinyl Acetate

Concen: 254.249 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1612452

Ion Ratio Lower Upper

43 100

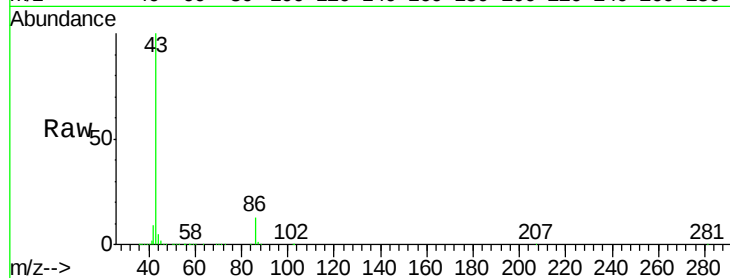
86 12.5 9.8 14.8

Manual Integrations

APPROVED

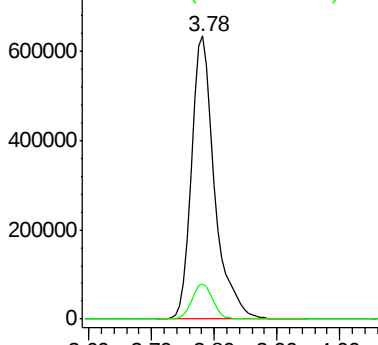
MMDadoda

6/17/2020 9:34:30 AM

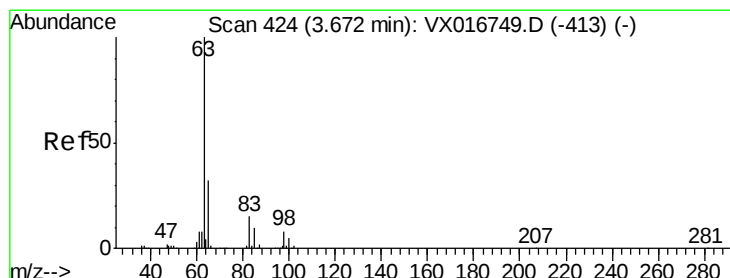
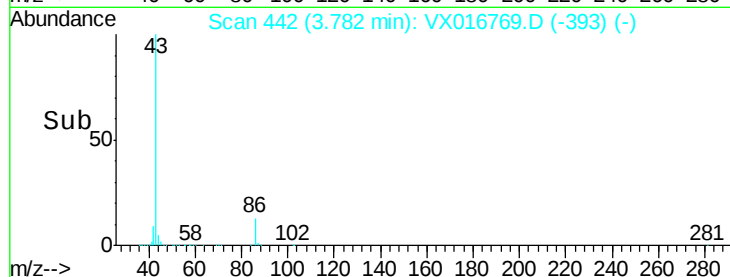


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 47.956 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

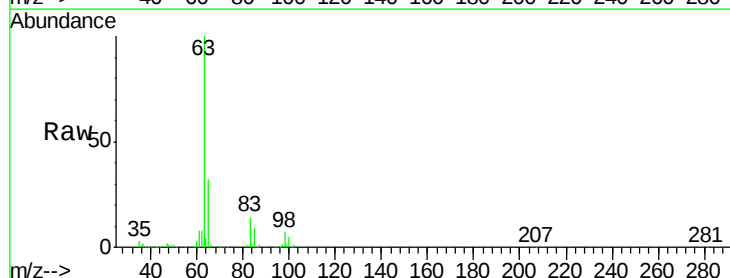
Tgt Ion: 63 Resp: 220081

Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.4

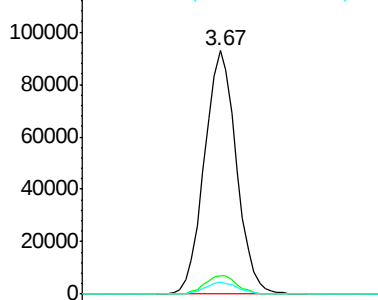
100 4.9 2.3 6.9



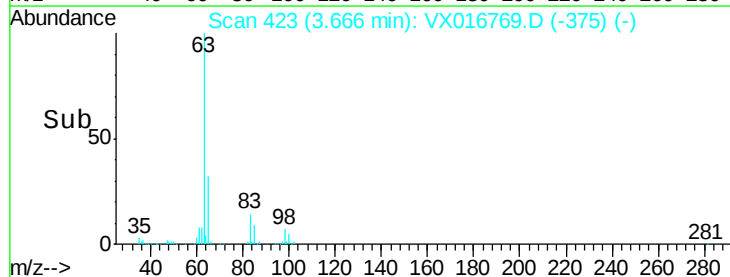
Abundance Ion 62.90 (62.60 to 63.60): VX0

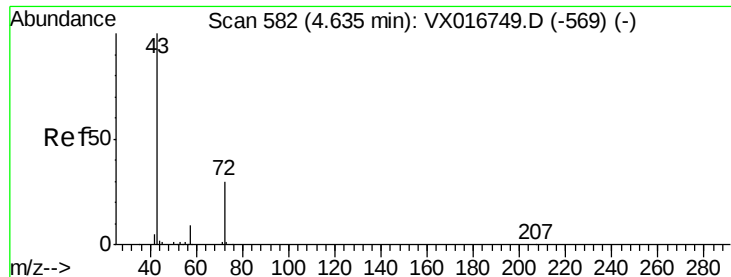
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 254.697 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 500484

Ion Ratio Lower Upper

43 100

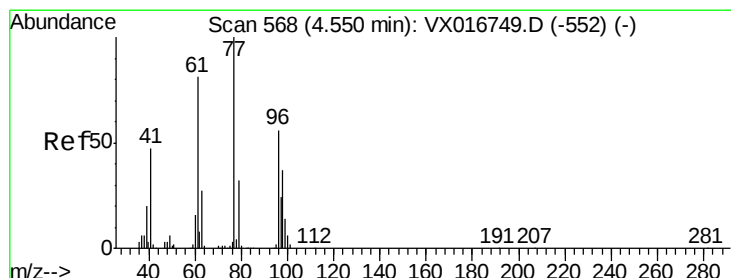
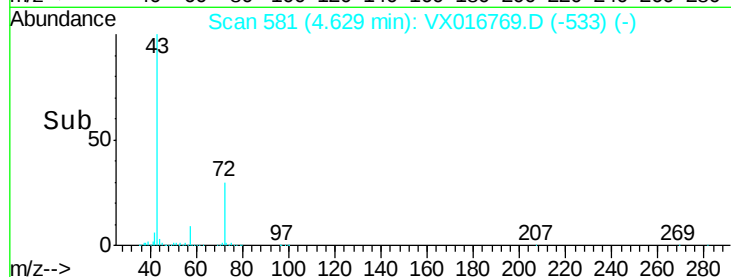
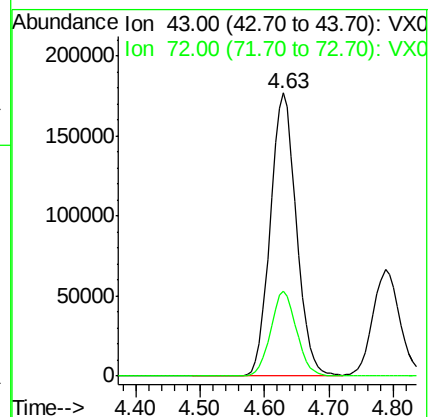
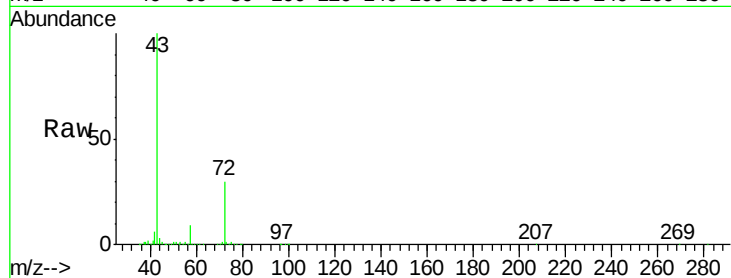
72 29.8 24.2 36.4

Manual Integrations

APPROVED

MMDadoda

6/17/2020 9:34:30 AM



#26

2,2-Dichloropropane

Concen: 47.933 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX016769.D

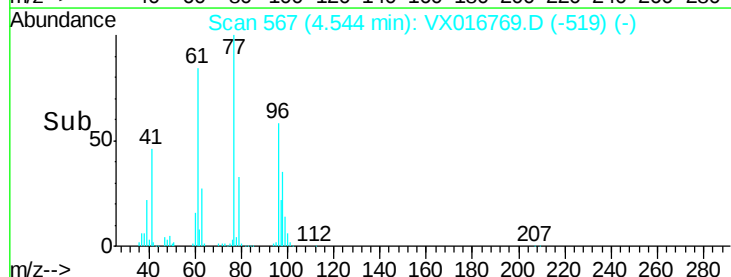
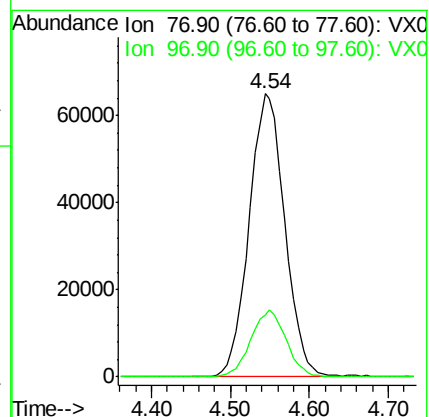
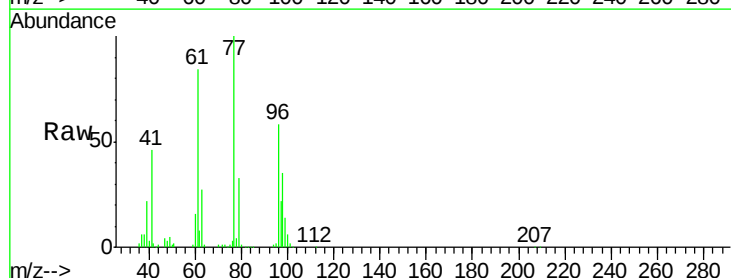
Acq: 16 Jun 2020 10:59

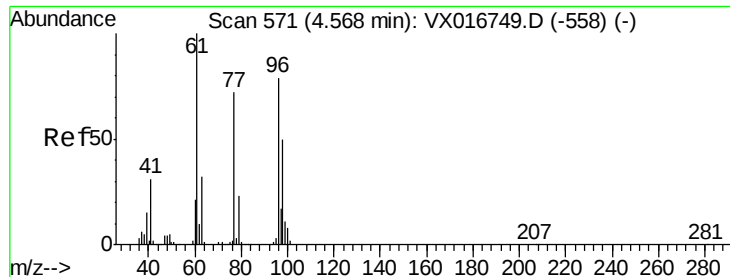
Tgt Ion: 77 Resp: 203688

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.4





#27

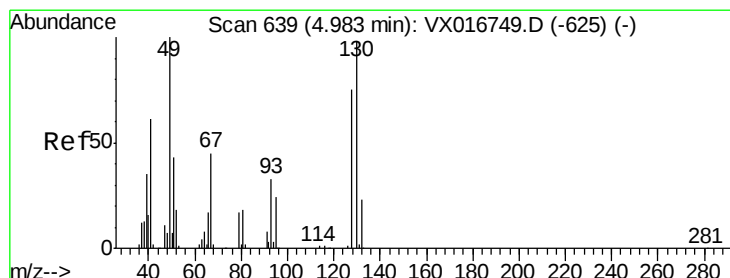
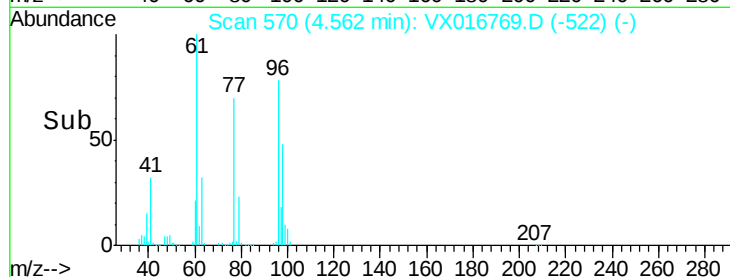
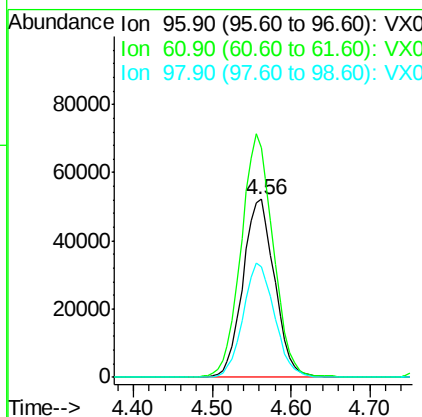
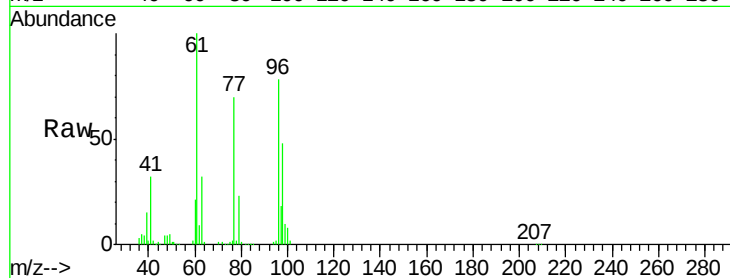
cis-1,2-Dichloroethene
Concen: 47.580 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	145963		
61	138.4	0.0	276.2	
98	63.8	0.0	130.0	

Manual Integrations
APPROVED

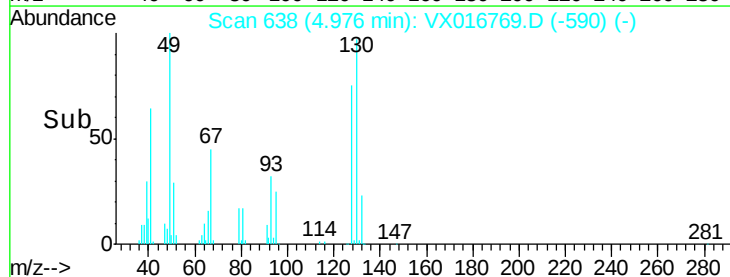
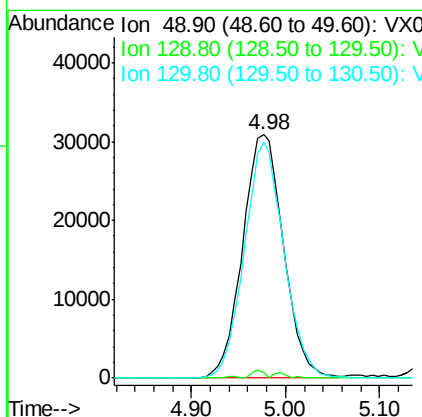
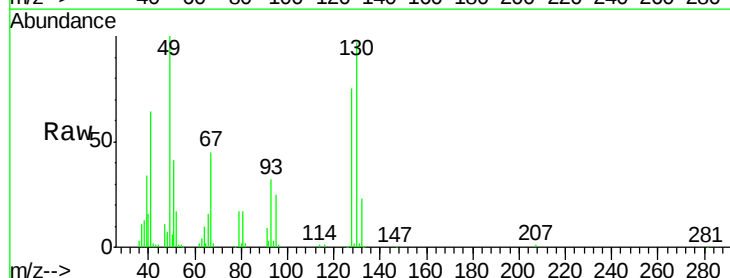
MMDadoda
6/17/2020 9:34:30 AM

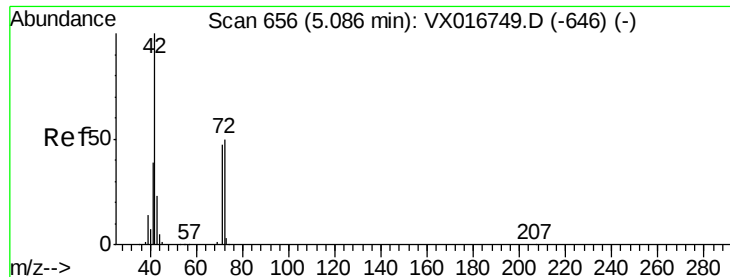


#28

Bromochloromethane
Concen: 47.922 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	93817		
129	1.0	0.0	2.8	
130	94.2	76.0	114.0	





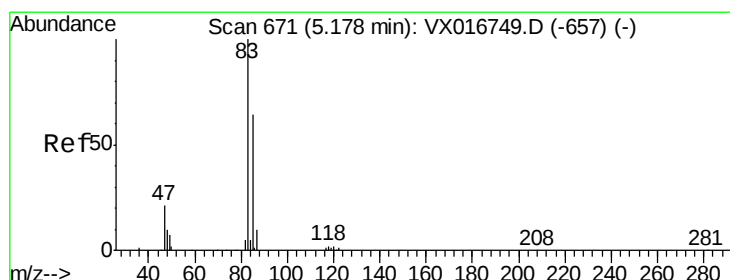
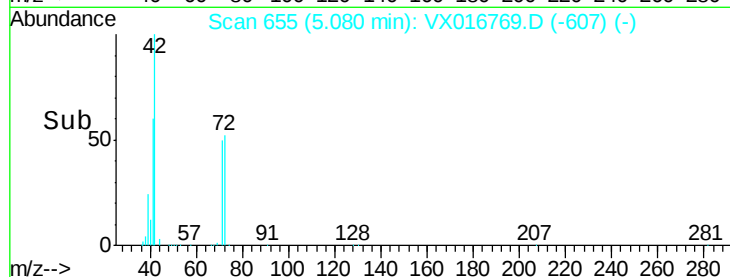
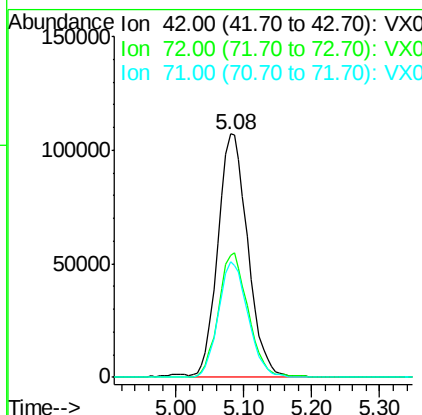
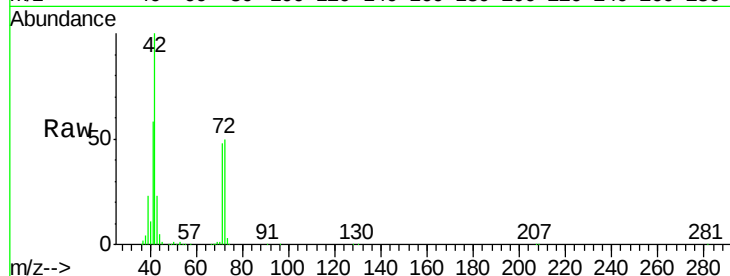
#29
Tetrahydrofuran
Concen: 256.223 ug/l
RT: 5.08 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
72	51.0	41.0	61.6		
71	47.2	38.2	57.4		

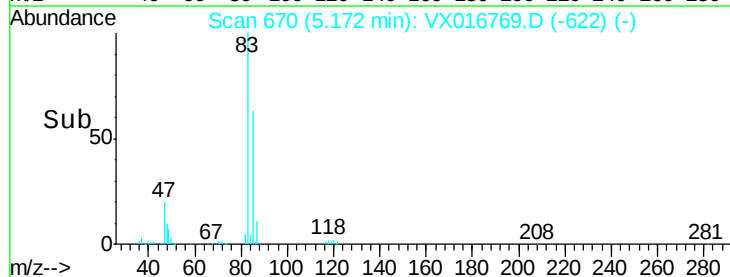
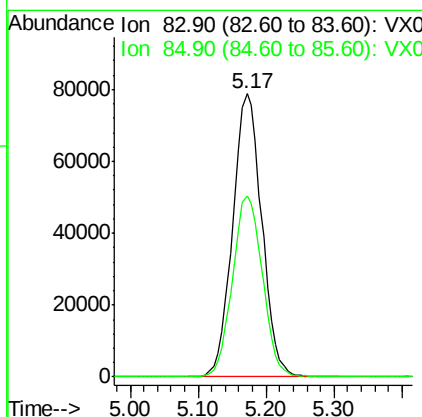
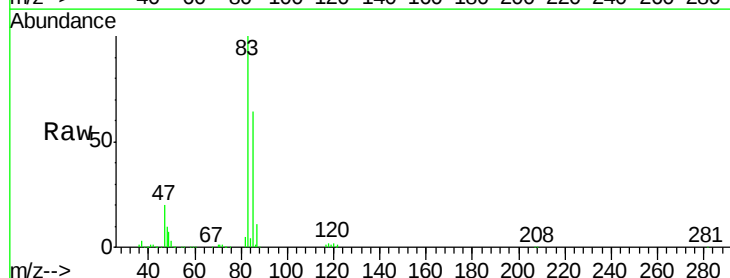
Manual Integrations
APPROVED

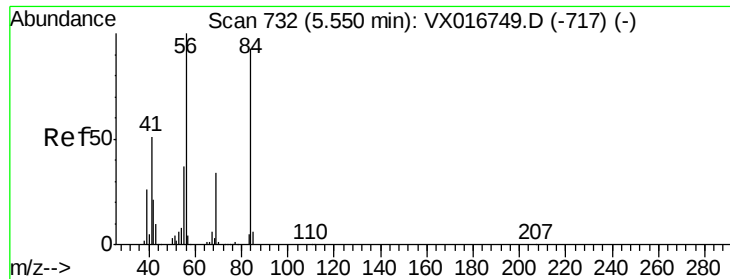
MMDadoda
6/17/2020 9:34:30 AM



#30
Chloroform
Concen: 48.188 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
85	63.8	50.8	76.2		





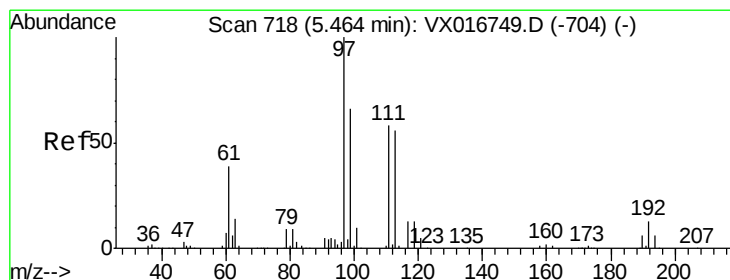
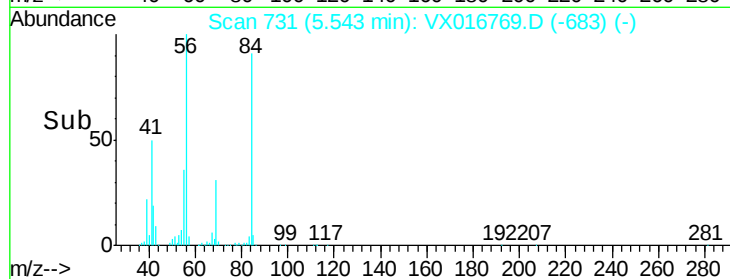
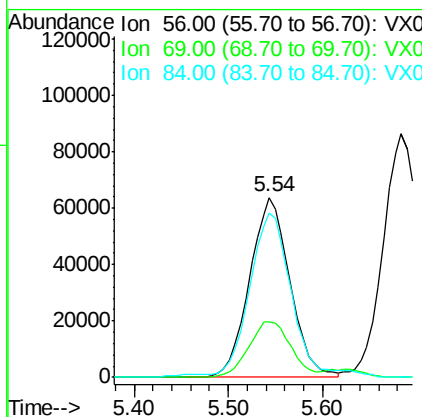
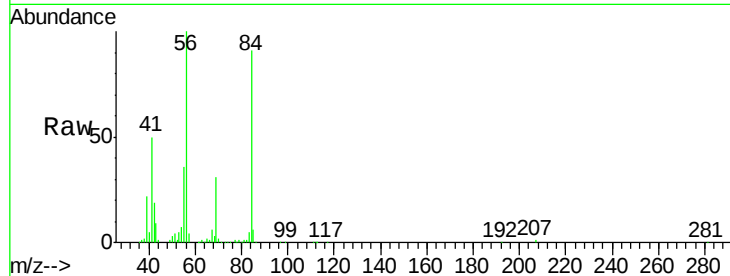
#31
Cyclohexane
Concen: 51.546 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	27.1	40.7
84	89.2	74.0	111.0

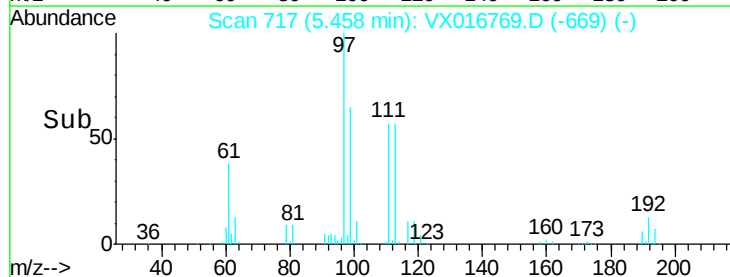
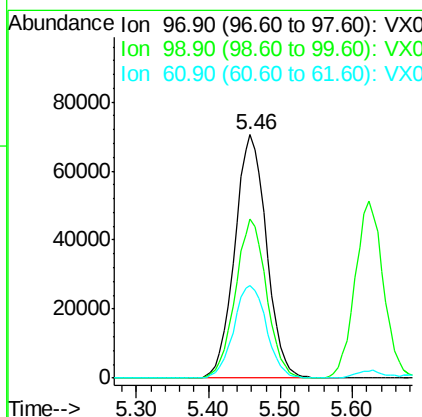
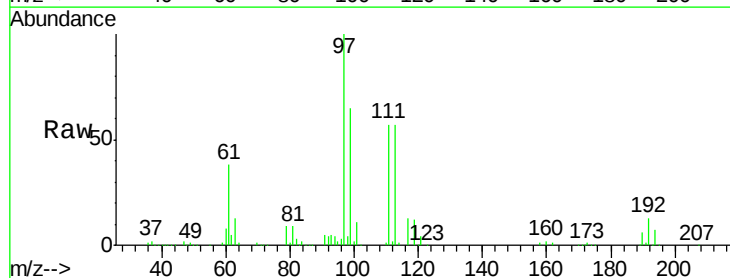
Manual Integrations
APPROVED

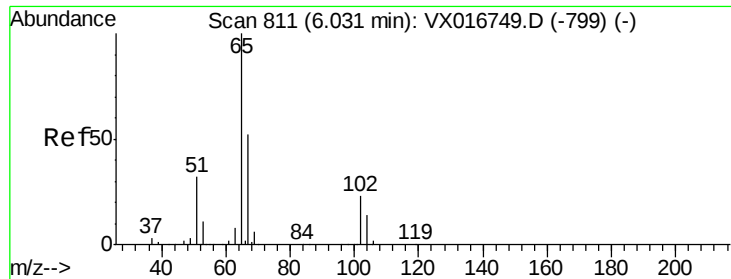
MMDadoda
6/17/2020 9:34:30 AM



#32
1,1,1-Trichloroethane
Concen: 48.938 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	39.3	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 51.413 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 147778

Ion Ratio Lower Upper

65 100

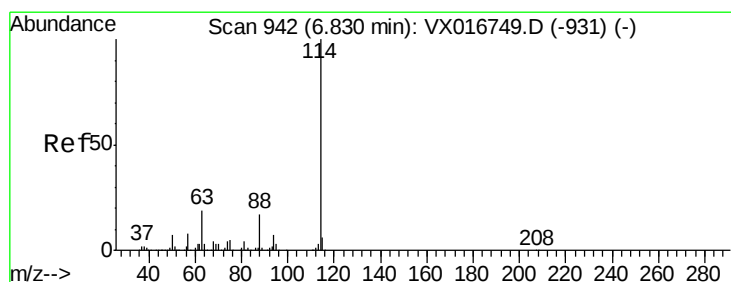
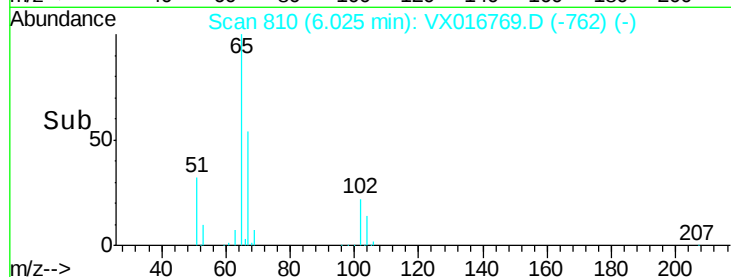
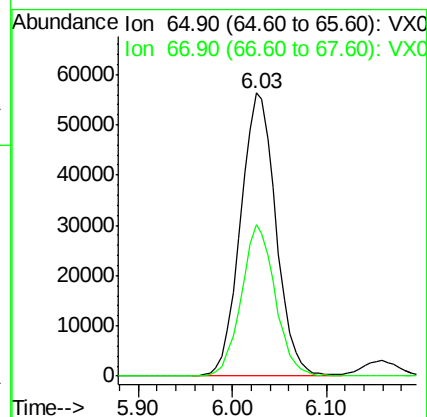
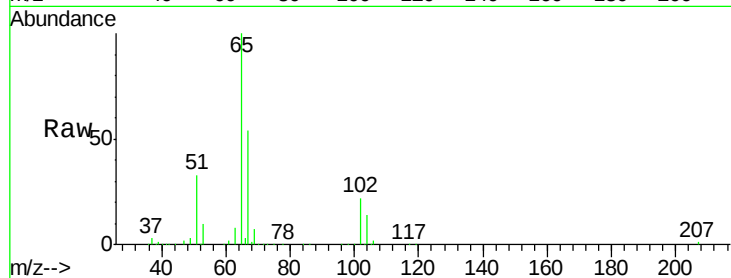
67 51.4 0.0 103.0

Manual Integrations

APPROVED

MMDadoda

6/17/2020 9:34:30 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

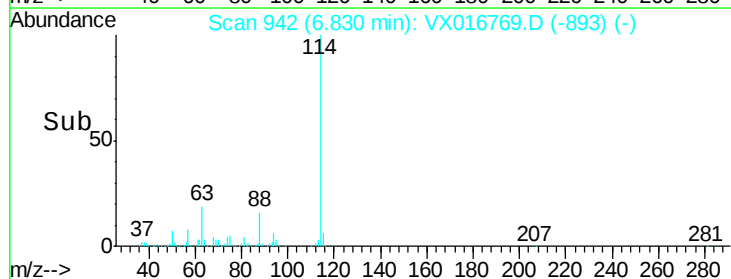
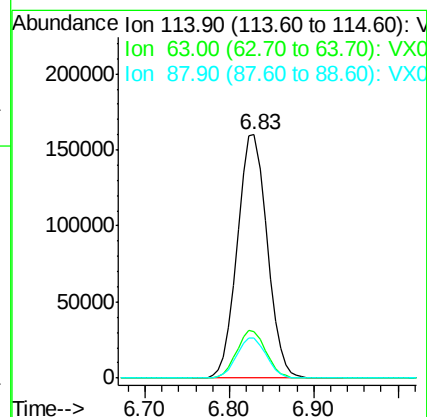
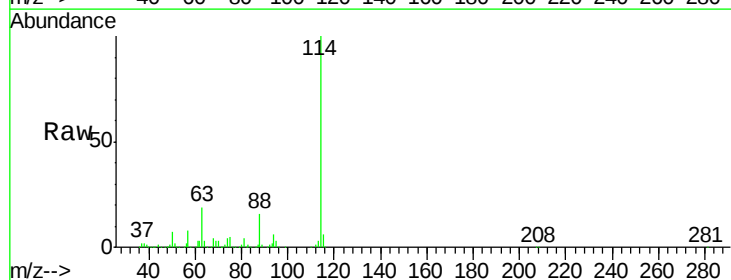
Tgt Ion: 114 Resp: 383933

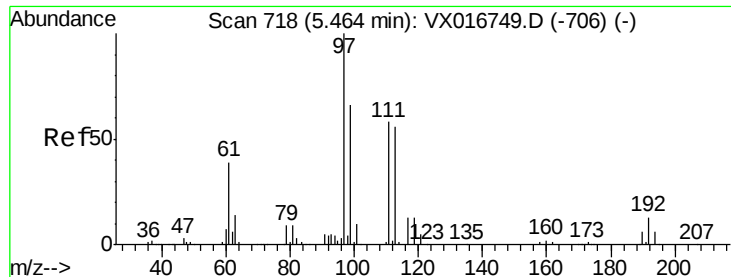
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.8

88 16.3 0.0 33.4





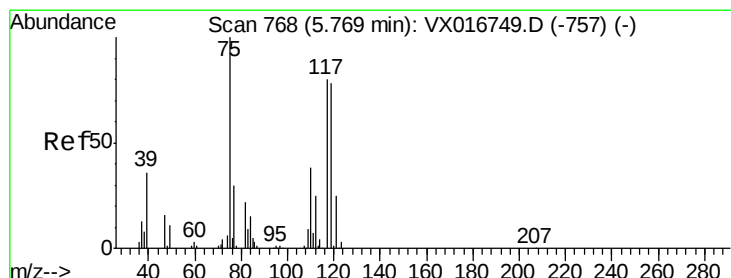
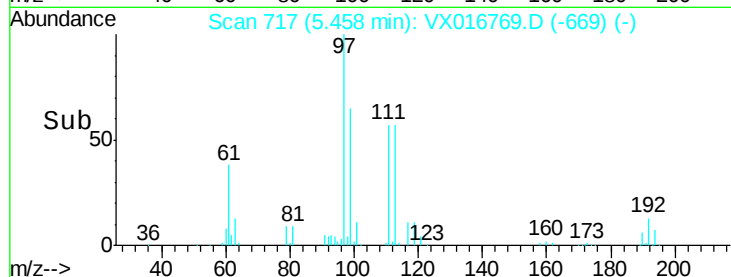
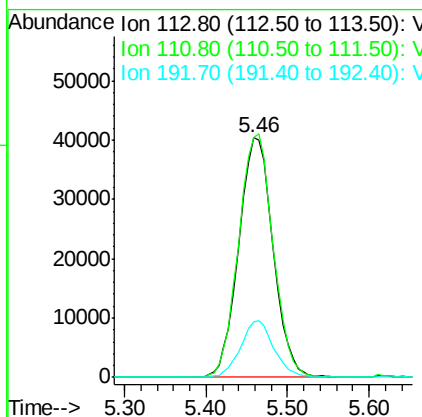
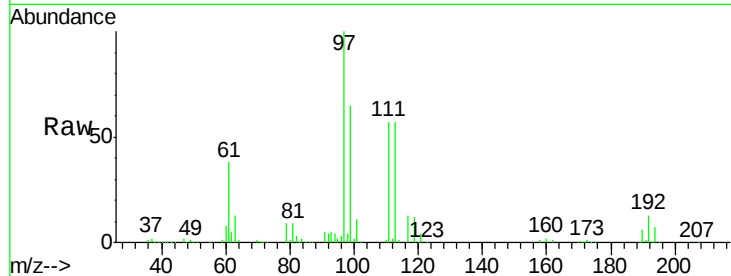
#35
 Dibromofluoromethane
 Concen: 50.011 ug/l
 RT: 5.46 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VX016769.D
 Acq: 16 Jun 2020 10:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	118467		
111	101.9	81.8	122.6	
192	22.9	18.2	27.4	

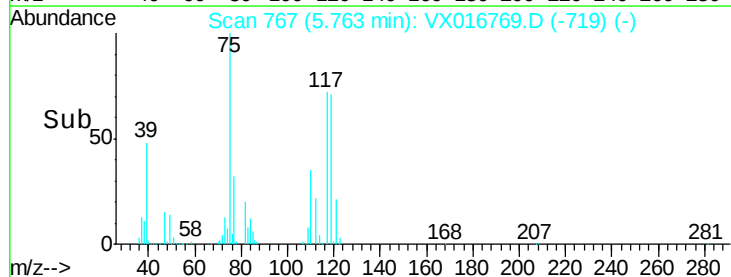
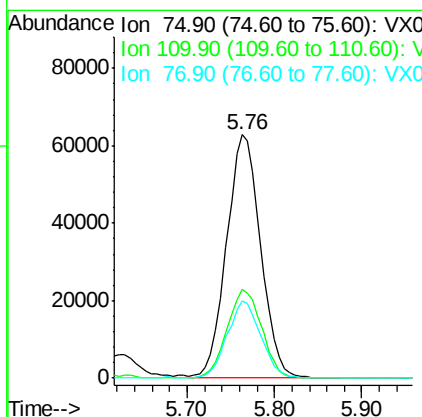
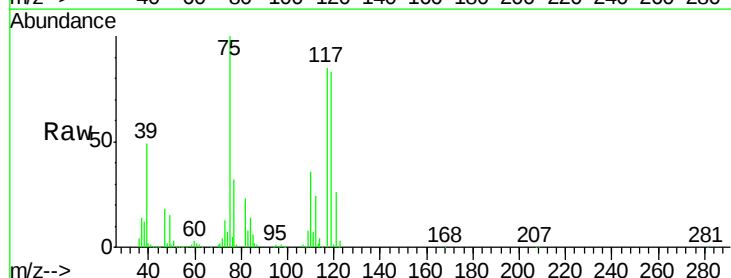
Manual Integrations
 APPROVED

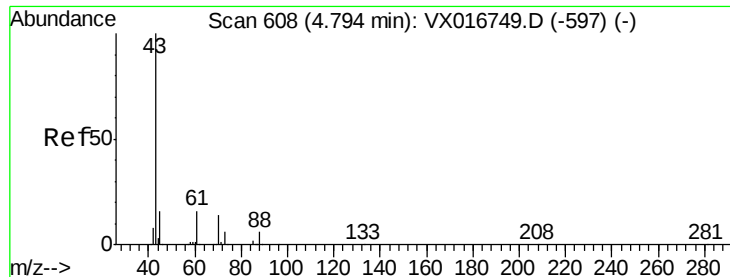
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 49.893 ug/l
 RT: 5.76 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: VX016769.D
 Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	169284		
110	37.1	18.4	55.2	
77	31.5	24.7	37.1	





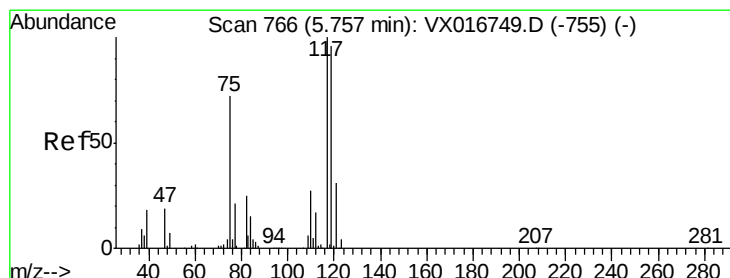
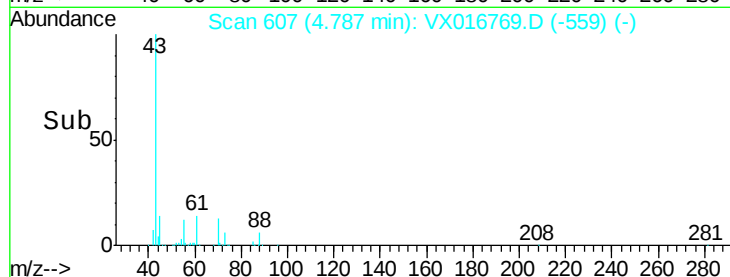
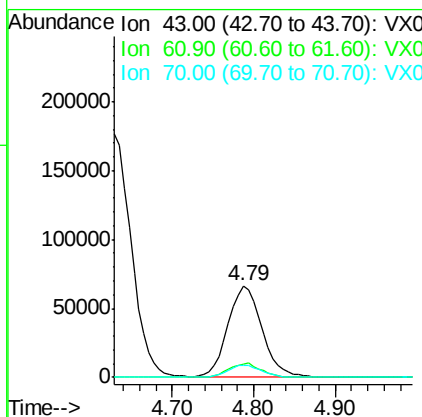
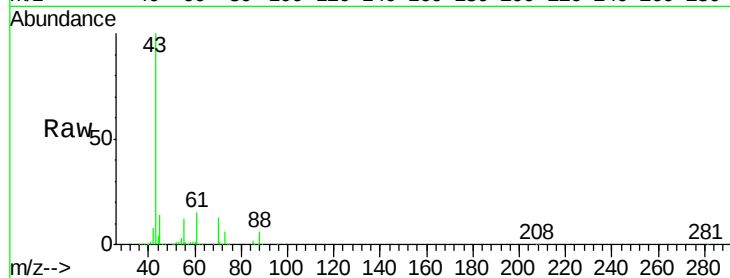
#37
Ethyl Acetate
Concen: 51.543 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.4	18.6
70	13.1	10.8	16.2

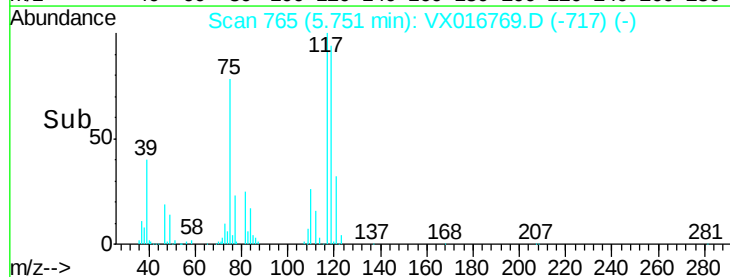
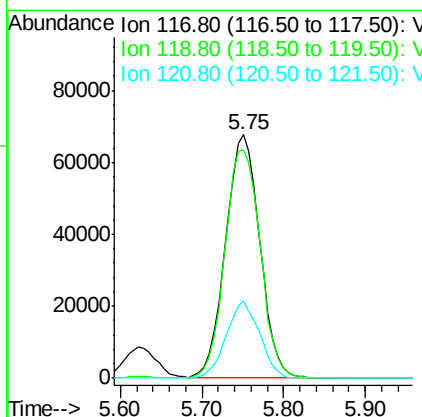
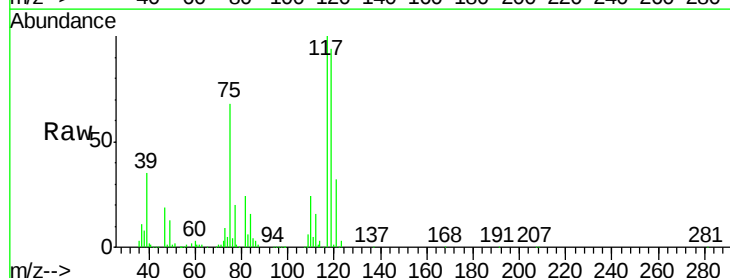
Manual Integrations
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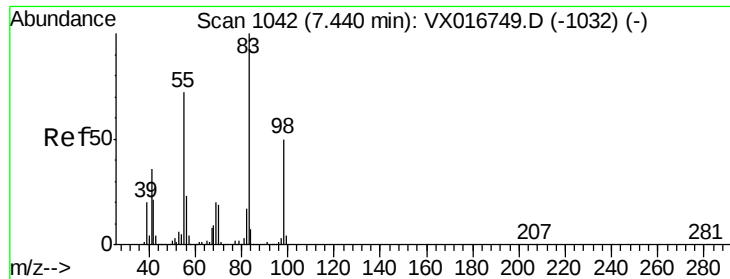
MMDadoda
6/17/2020 9:34:30 AM



#38
Carbon Tetrachloride
Concen: 51.022 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.7	115.1
121	31.6	24.7	37.1





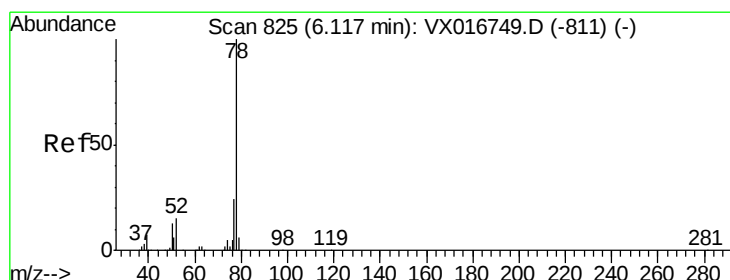
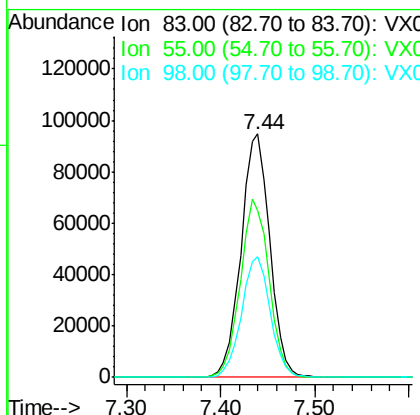
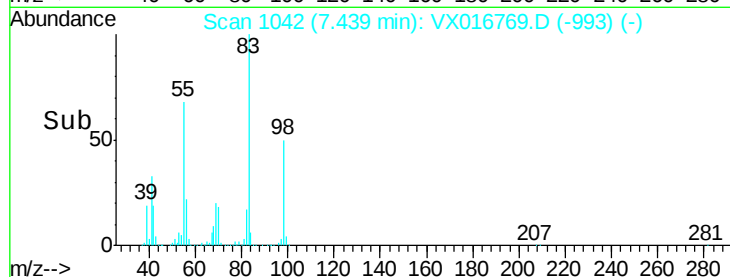
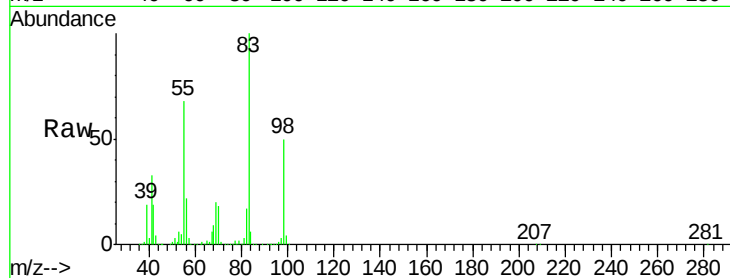
#39
Methvlcvclohexane
Concen: 51.535 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.5	57.3	85.9
98	49.6	40.3	60.5

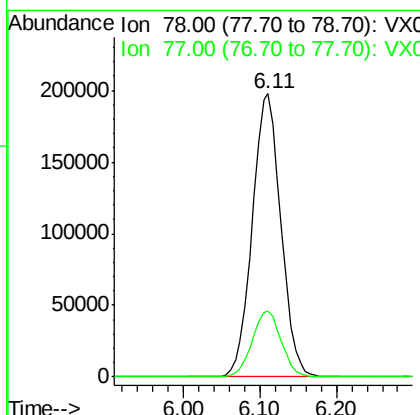
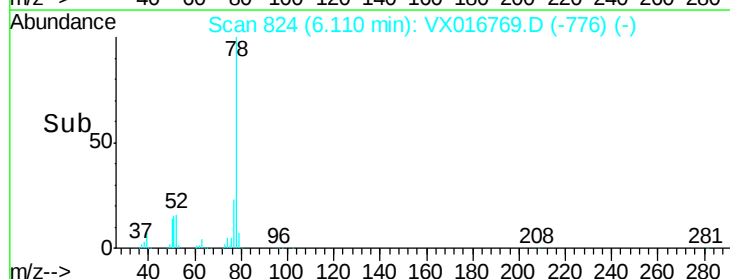
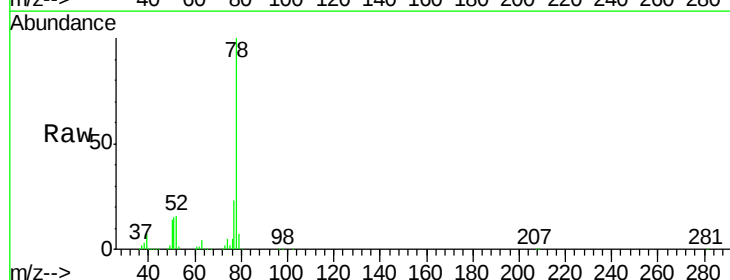
Manual Integrations
APPROVED

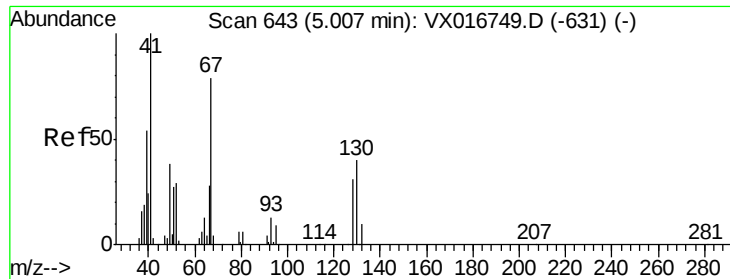
MMDadoda
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#40
Benzene
Concen: 49.803 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4





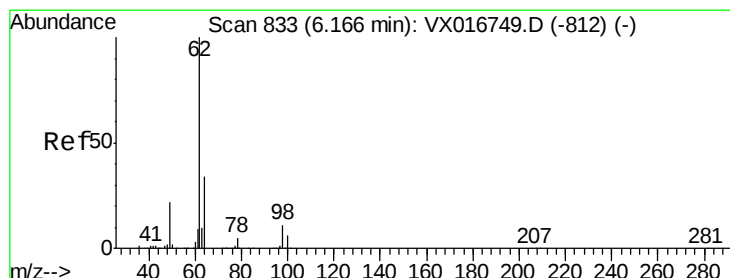
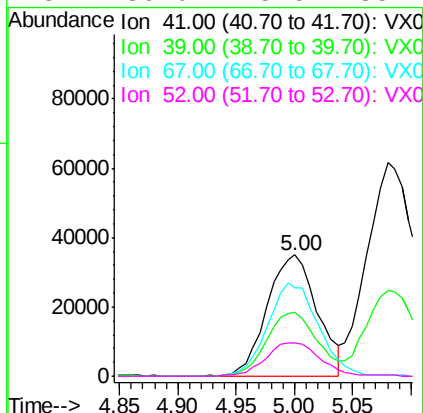
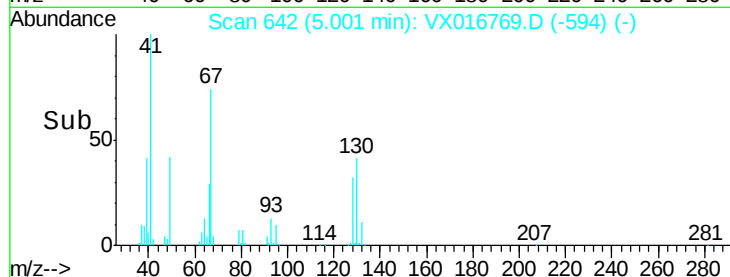
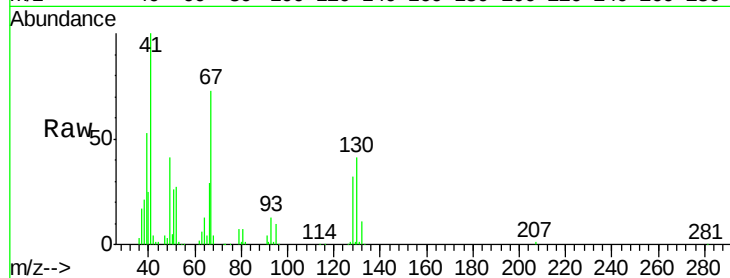
#41
Methacrylonitrile
Concen: 52.249 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.2	43.7	65.5
67	78.7	64.6	96.8
52	30.0	25.6	38.4

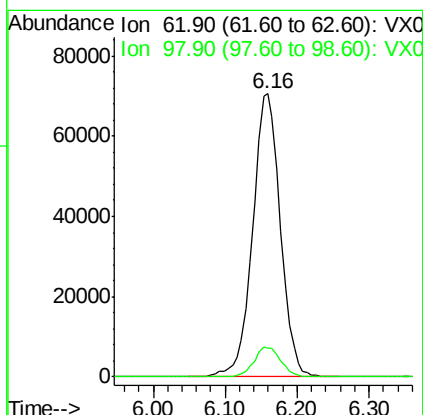
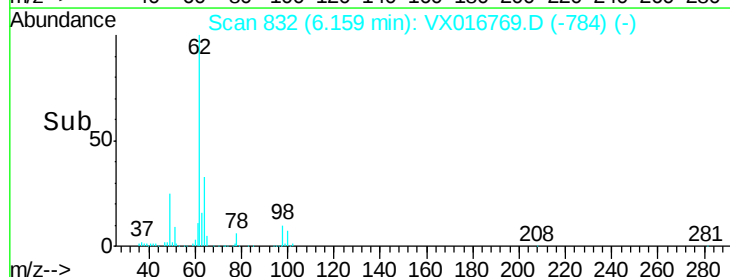
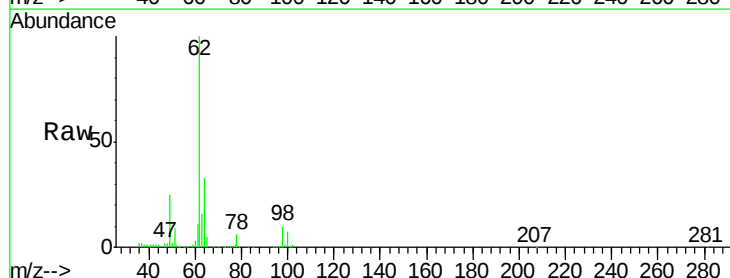
Manual Integrations
APPROVED

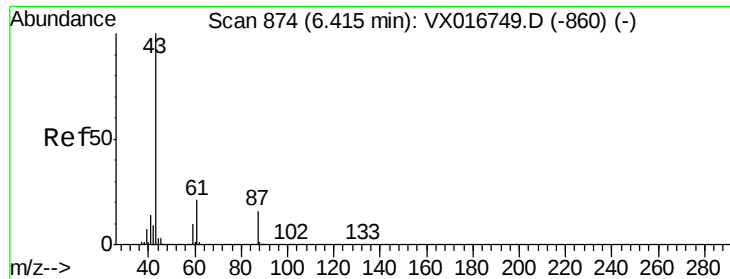
MMDadoda
6/17/2020 9:34:30 AM



#42
1,2-Dichloroethane
Concen: 50.027 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

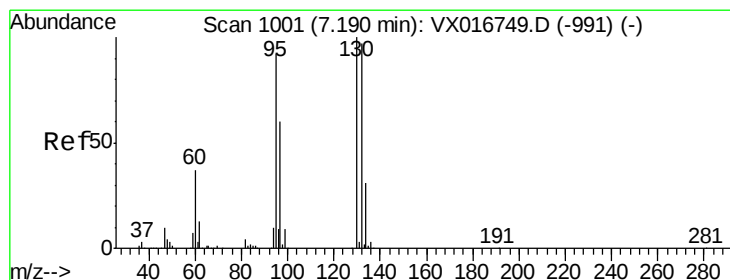
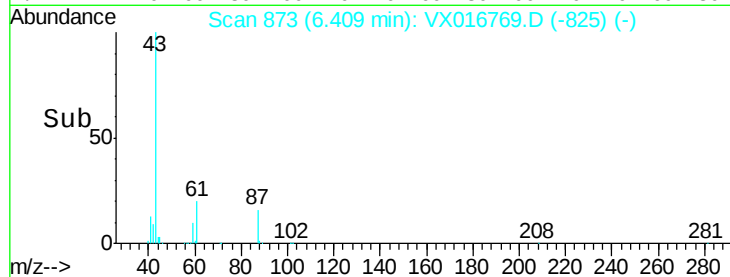
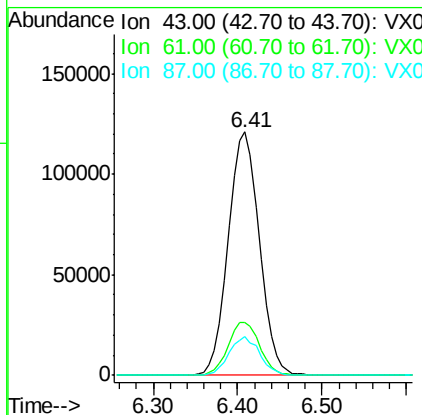
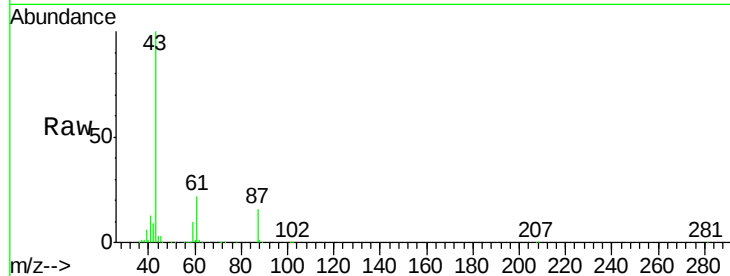
Isopropyl Acetate
 Concen: 51.986 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX016769.D
 Acq: 16 Jun 2020 10:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.3	17.7	26.5
87	15.6	12.5	18.7

Manual Integrations
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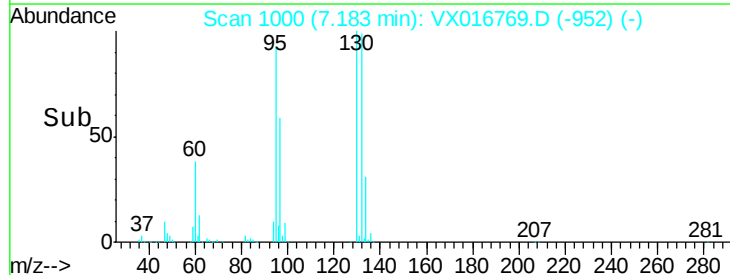
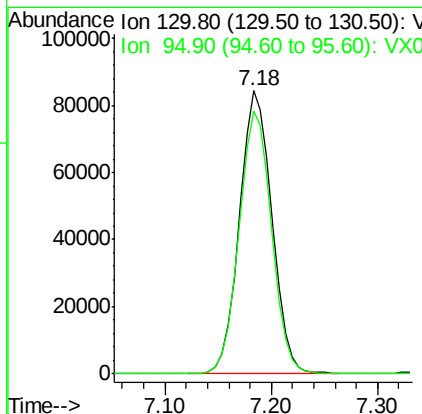
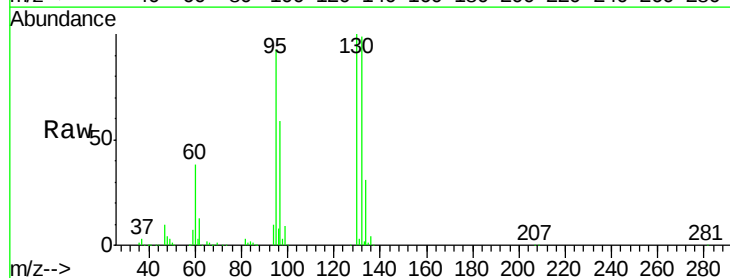
MMDadoda
 6/17/2020 9:34:30 AM

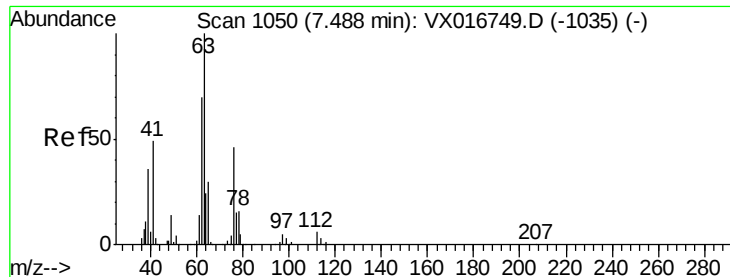


#44

Trichloroethene
 Concen: 56.685 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VX016769.D
 Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	183.6





#45

1,2-Dichloropropane

Concen: 50.605 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 128149

Ion Ratio Lower Upper

63 100

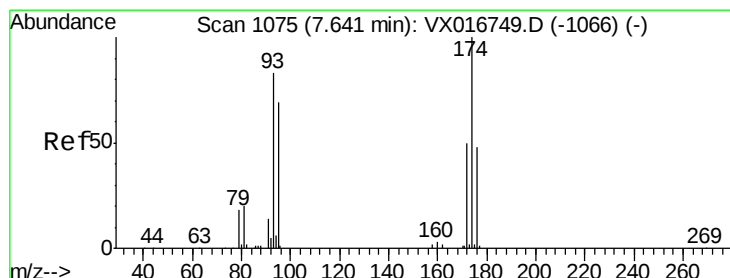
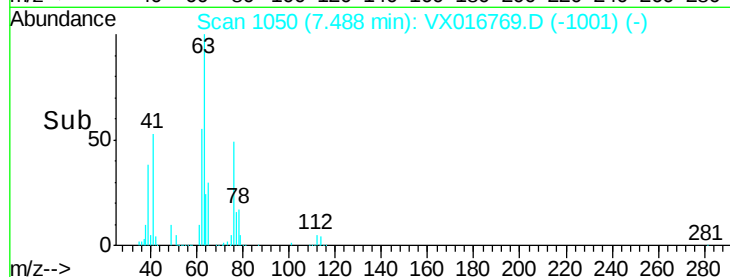
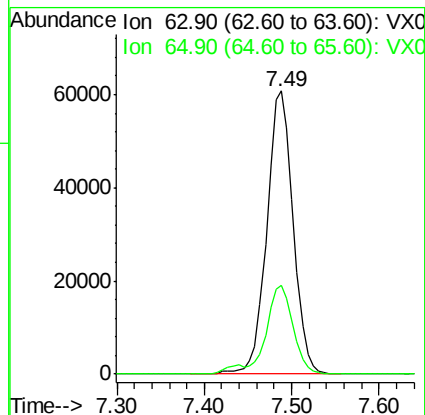
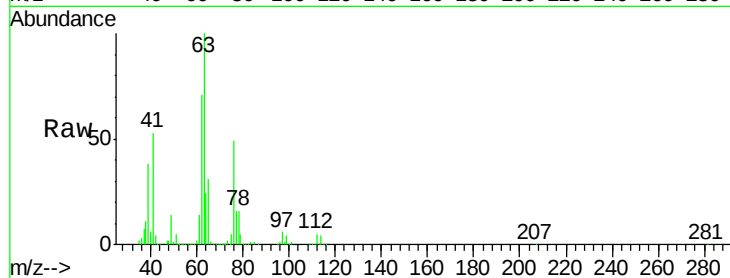
65 31.4 24.2 36.2

Manual Integrations

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MMDadoda

6/17/2020 9:34:30 AM



#46

Dibromomethane

Concen: 50.479 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

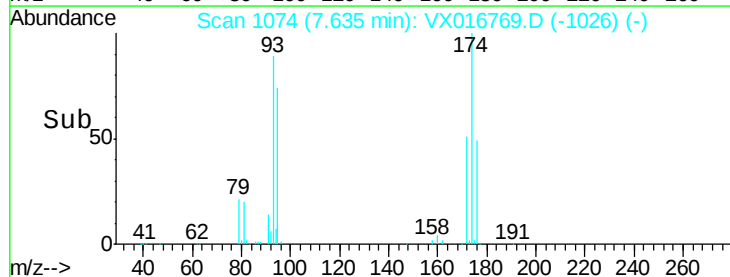
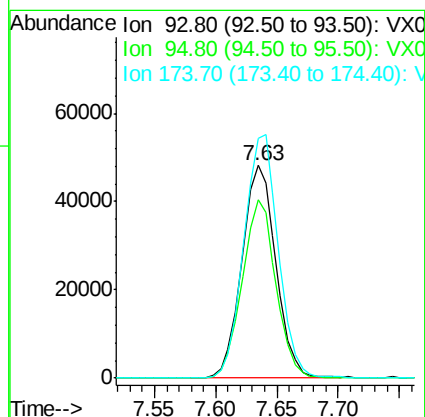
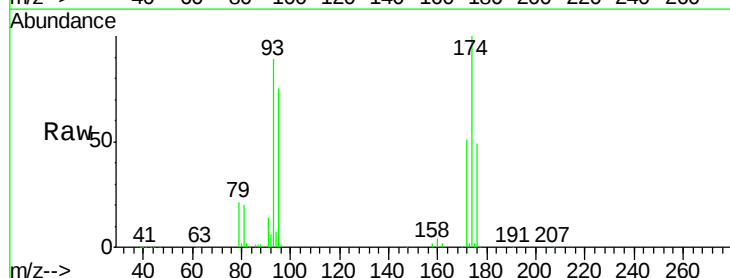
Tgt Ion: 93 Resp: 93168

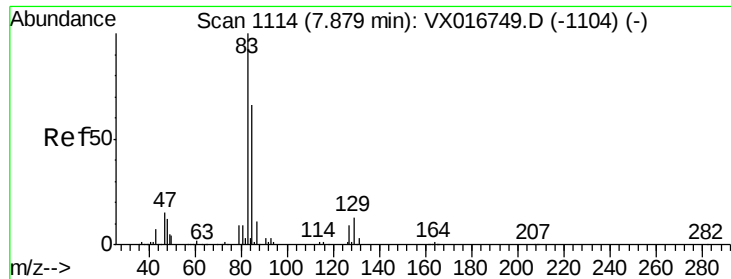
Ion Ratio Lower Upper

93 100

95 82.9 66.9 100.3

174 115.9 93.8 140.8





#47

Bromodichloromethane

Concen: 50.494 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

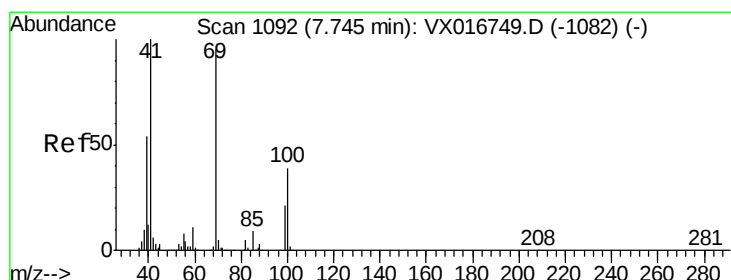
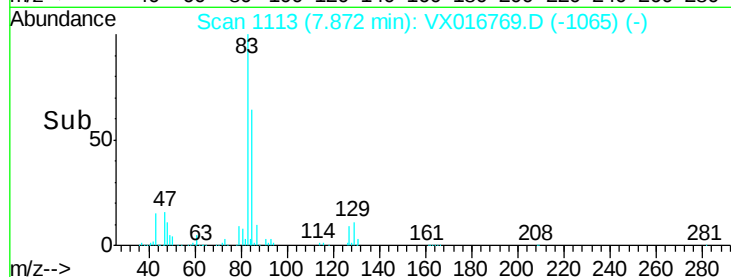
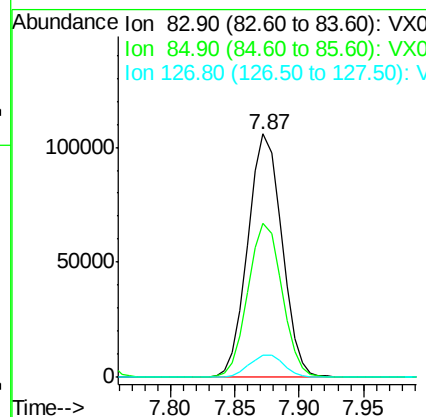
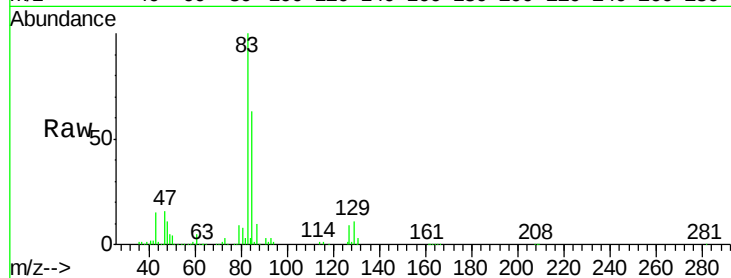
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	194293
Ion Ratio	Lower	Upper	
83	100		
85	63.5	52.5	78.7
127	9.0	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.694 ug/l

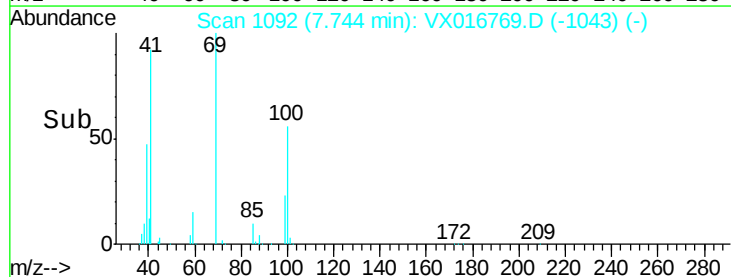
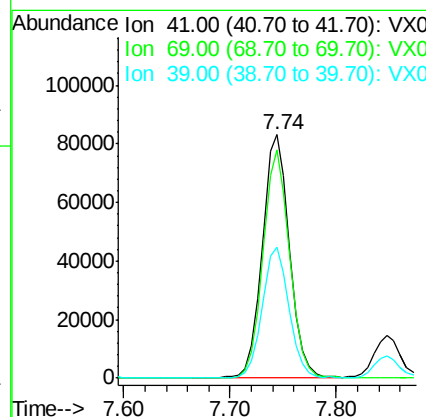
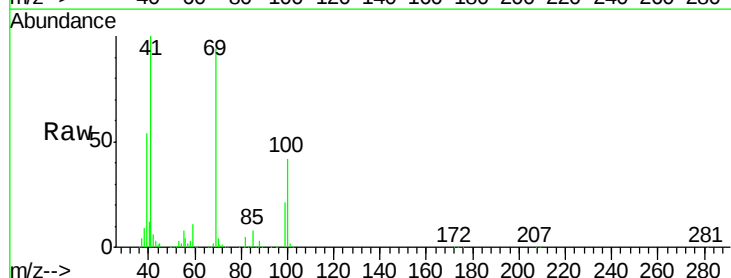
RT: 7.74 min Scan# 1092

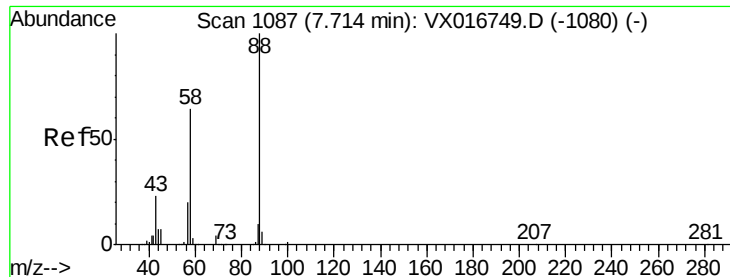
Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Tgt Ion:	41	Resp:	148201
Ion Ratio	Lower	Upper	
41	100		
69	92.0	75.0	112.6
39	53.7	44.3	66.5





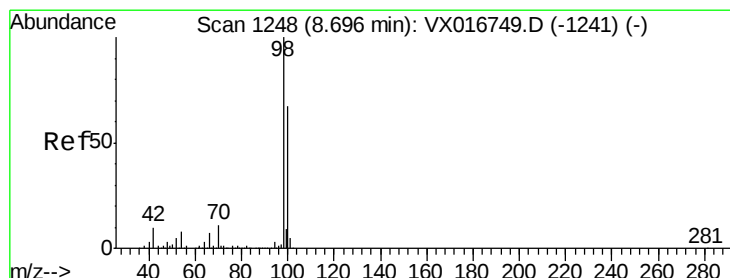
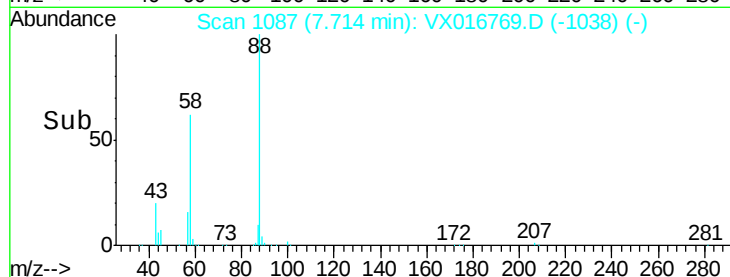
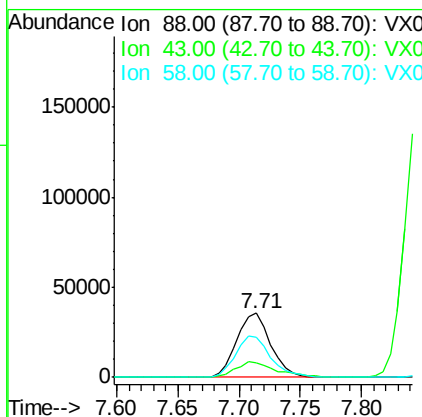
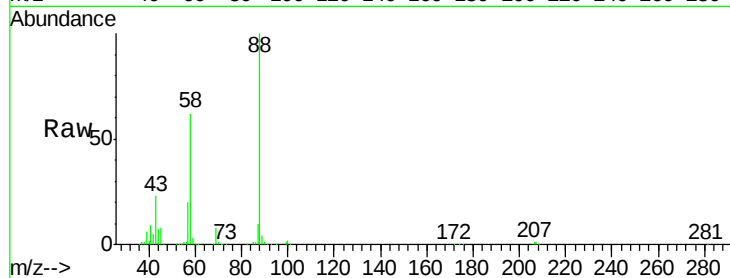
#49
1,4-Dioxane
Concen: 1004.867 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.3	22.9	34.3
58	66.8	53.7	80.5

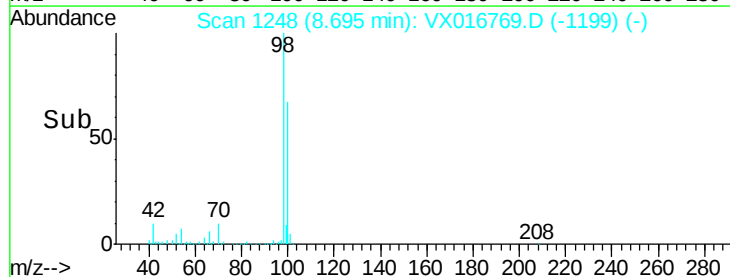
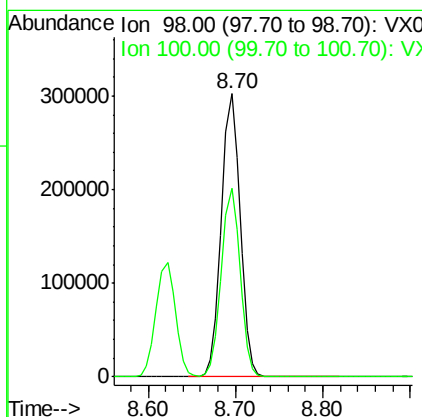
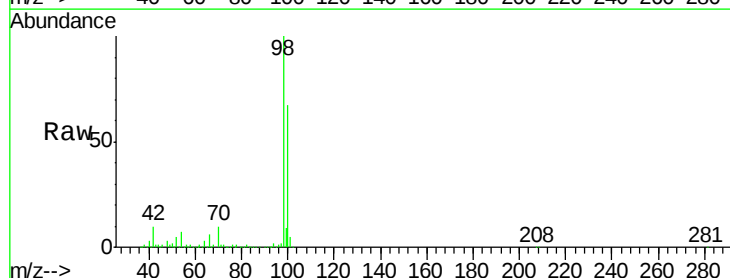
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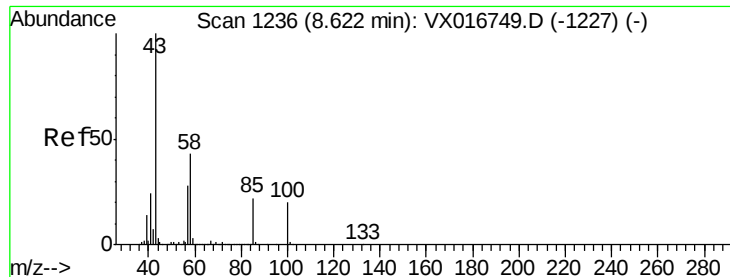
MMDadoda
6/17/2020 9:34:30 AM



#50
Toluene-d8
Concen: 51.794 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.9	80.9





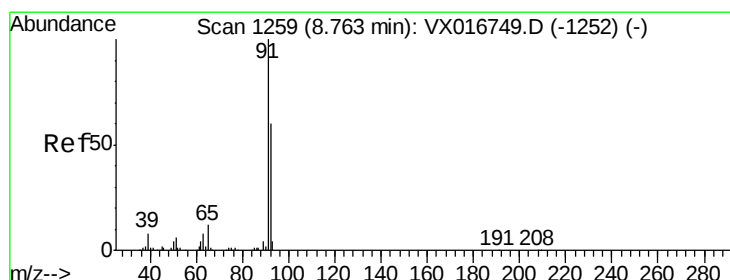
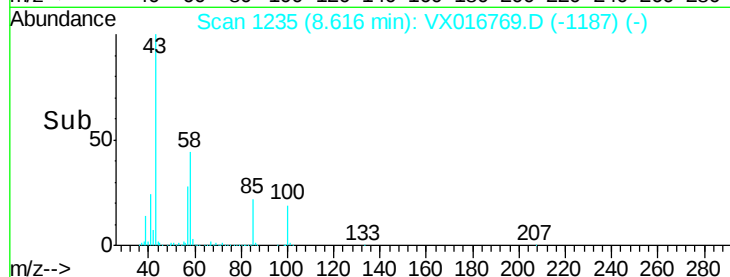
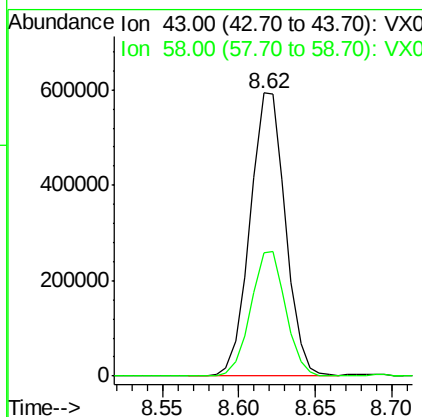
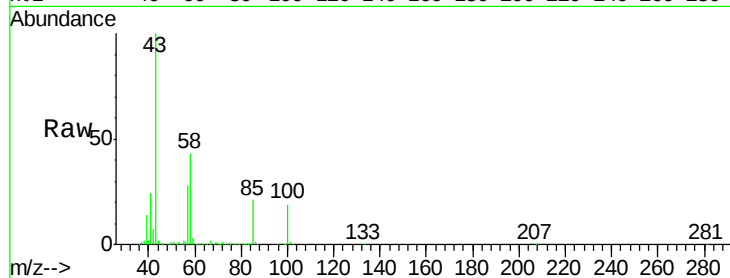
#51
4-Methyl-2-Pentanone
Concen: 265.779 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	953738
Ion Ratio	Lower	Upper	
43	100		
58	43.4	34.6	52.0

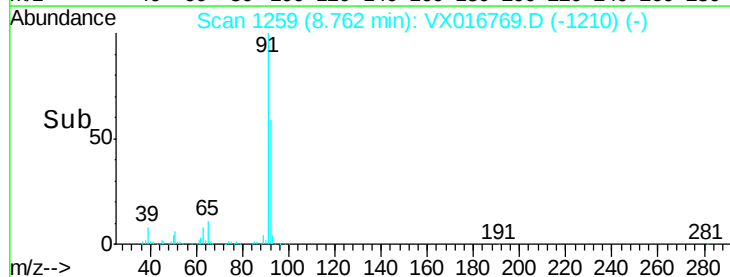
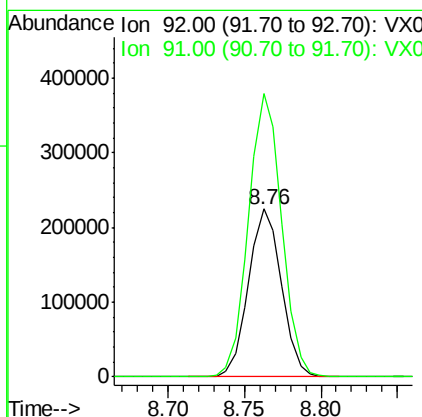
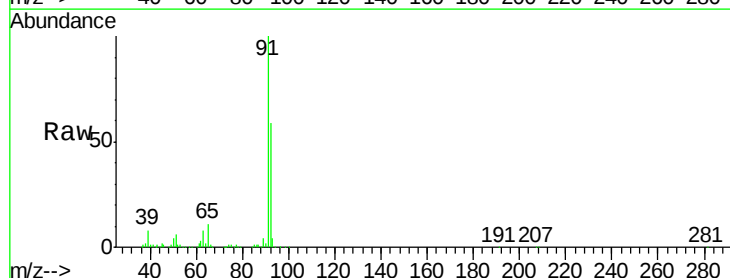
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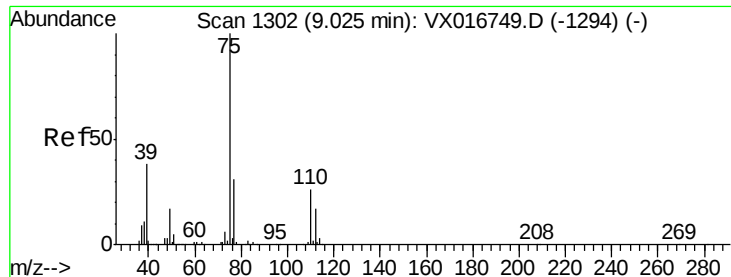
MMDadoda
6/17/2020 9:34:30 AM



#52
Toluene
Concen: 50.304 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	92	Resp	337544
Ion Ratio	Lower	Upper	
92	100		
91	169.1	136.1	204.1





#53

t-1,3-Dichloropropene

Concen: 51.341 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 223130

Ion Ratio Lower Upper

75 100

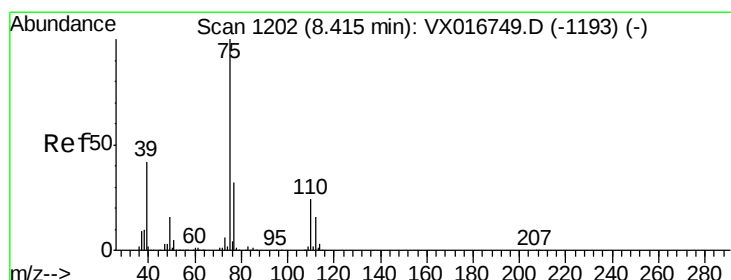
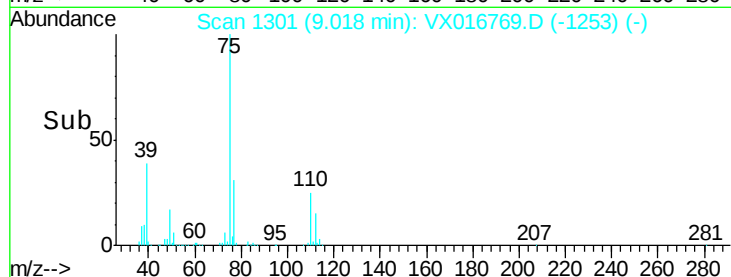
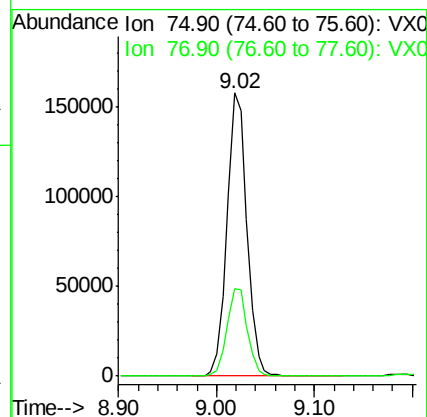
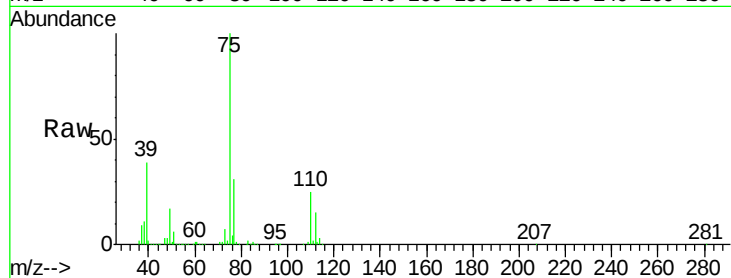
77 31.0 24.7 37.1

Manual Integrations

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MMDadoda

6/17/2020 9:34:30 AM



#54

cis-1,3-Dichloropropene

Concen: 50.691 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

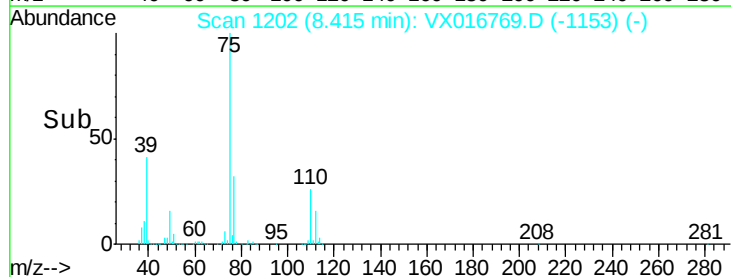
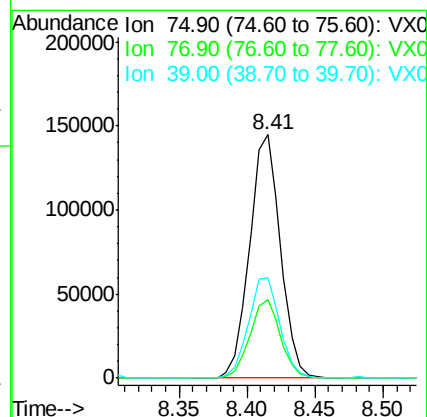
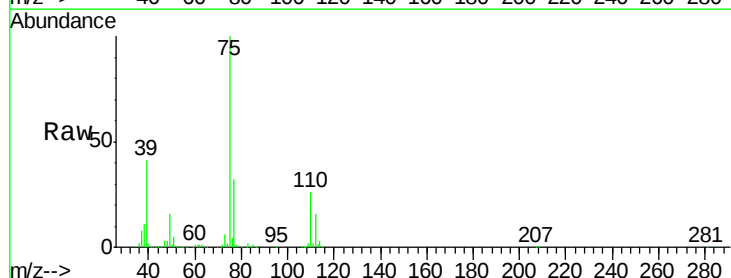
Tgt Ion: 75 Resp: 229802

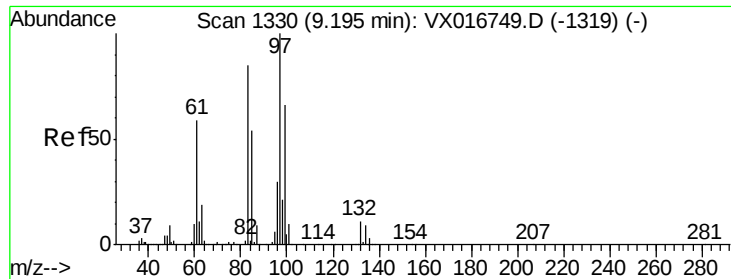
Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

39 41.2 33.7 50.5





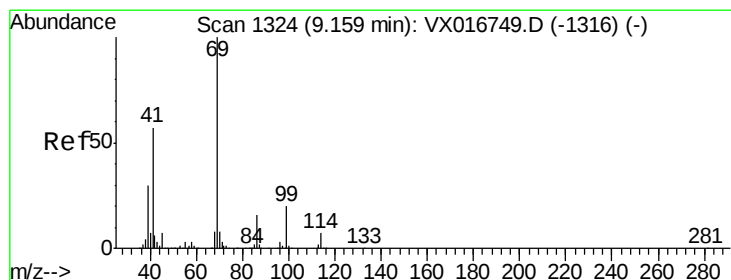
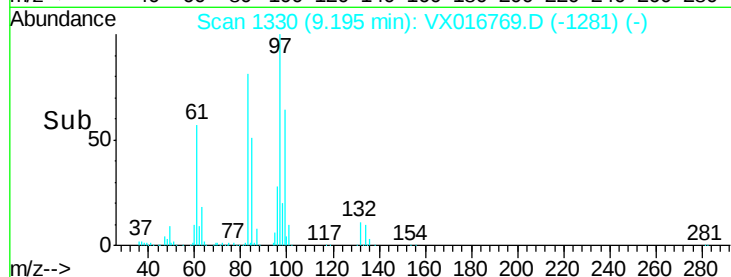
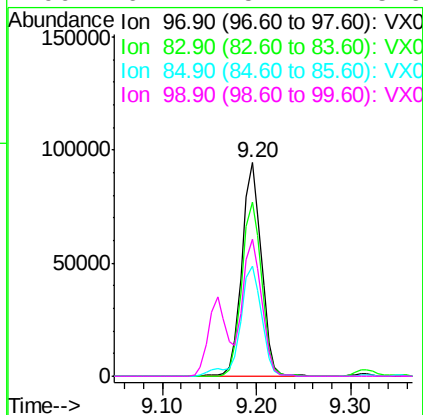
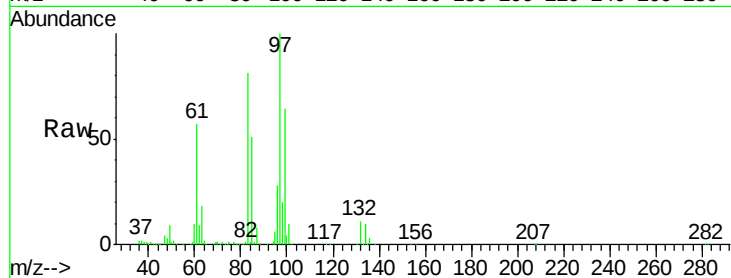
#55
 1,1,2-Trichloroethane
 Concen: 50.766 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016769.D
 Acq: 16 Jun 2020 10:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.3	68.3	102.5
85	51.5	43.5	65.3
99	64.1	52.4	78.6

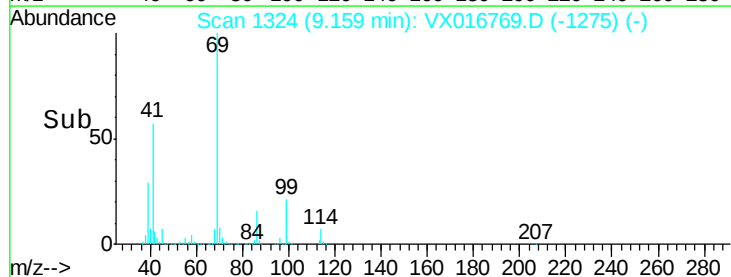
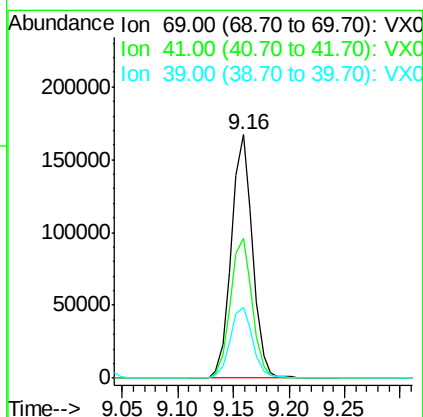
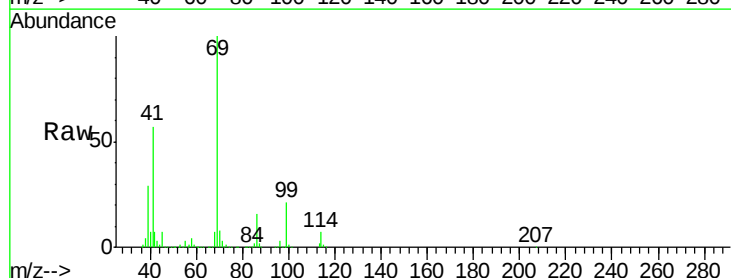
Manual Integrations
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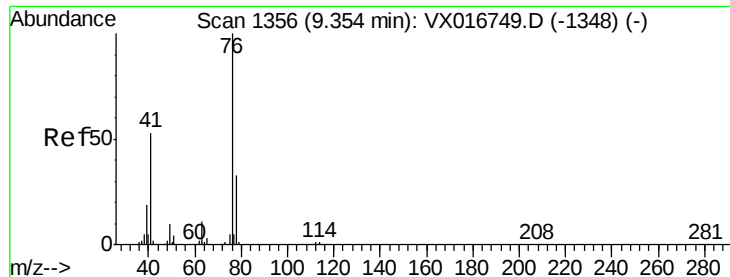
MMDadoda
 6/17/2020 9:34:30 AM



#56
 Ethyl methacrylate
 Concen: 54.245 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016769.D
 Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.0	47.1	70.7
39	31.0	25.0	37.6





#57

1,3-Dichloropropane

Concen: 50.739 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 230158

Ion Ratio Lower Upper

76 100

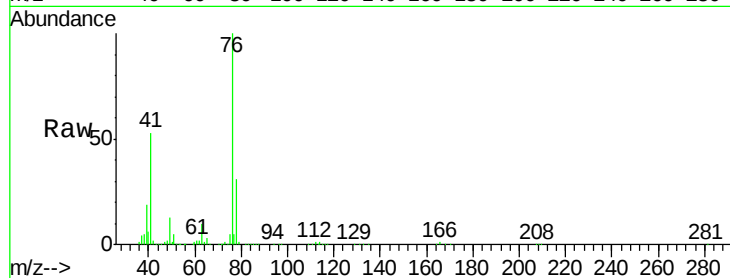
78 32.3 25.7 38.5

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

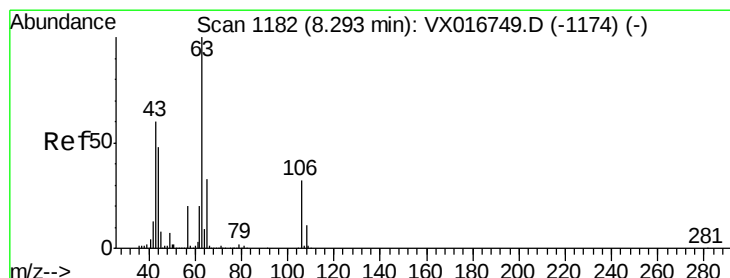
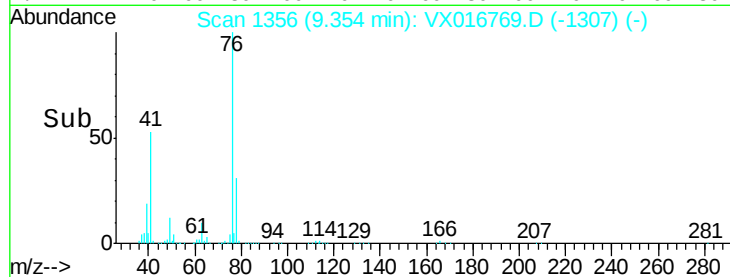
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 273.830 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VX016769.D

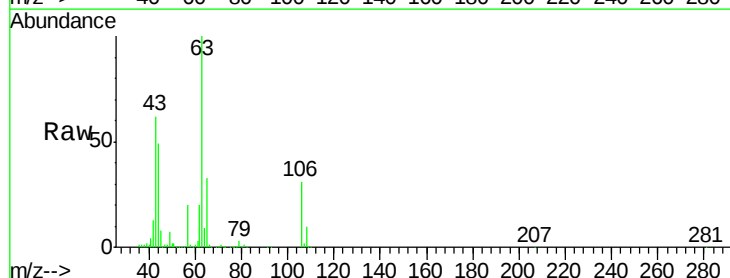
Acq: 16 Jun 2020 10:59

Tgt Ion: 63 Resp: 543983

Ion Ratio Lower Upper

63 100

106 32.1 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

400000

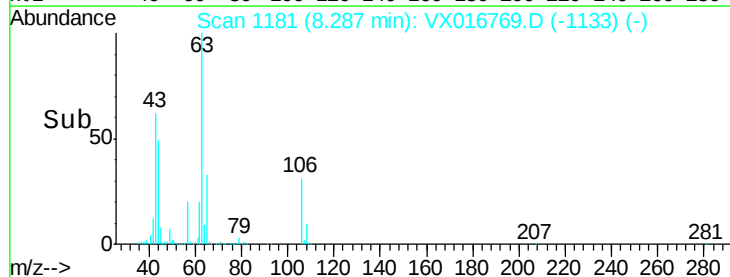
300000

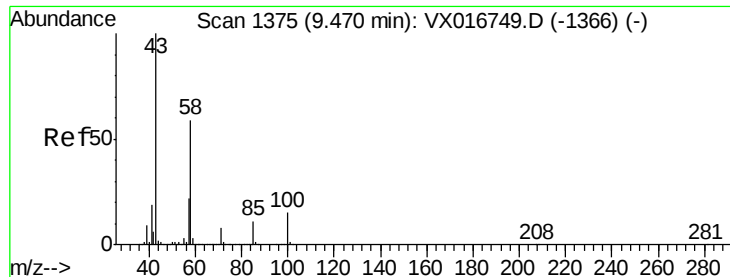
200000

100000

0

Time-->





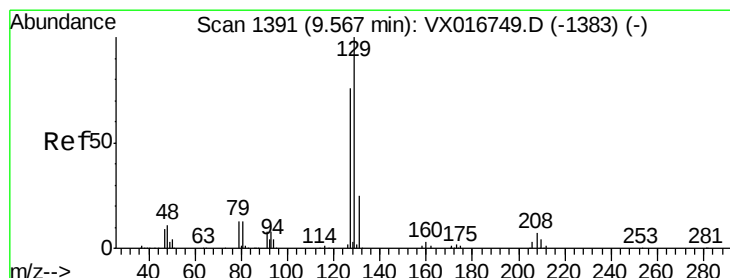
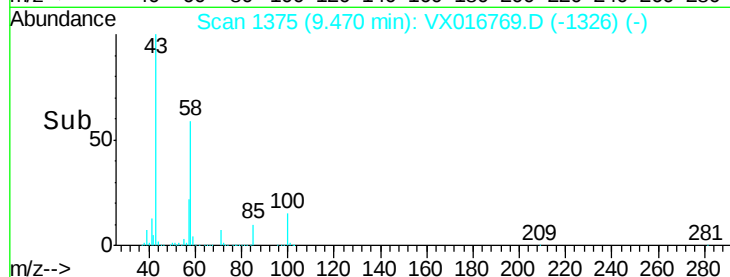
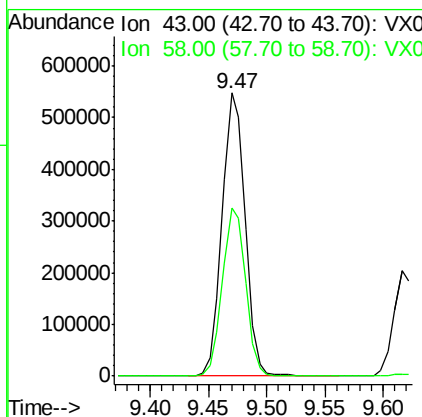
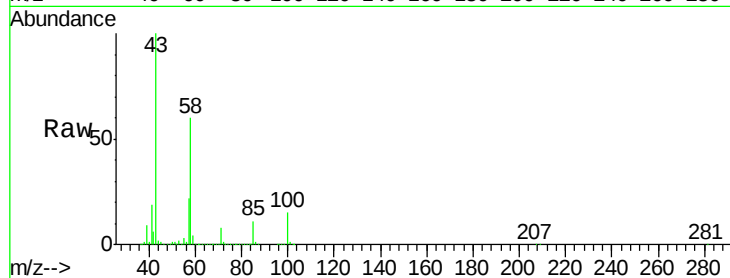
#59
2-Hexanone
Concen: 269.198 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.3	29.9	89.8

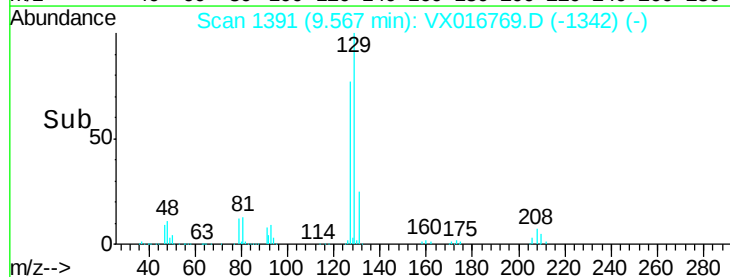
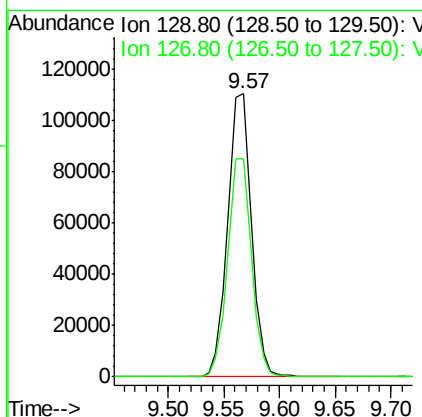
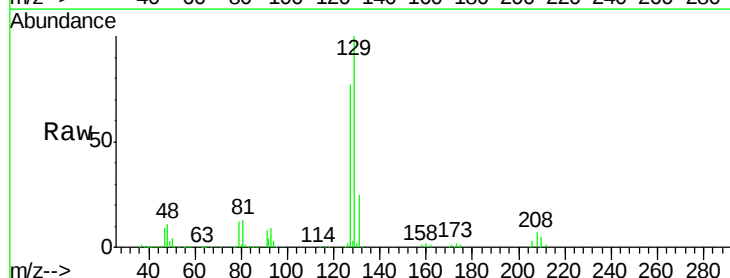
Manual Integrations
APPROVED

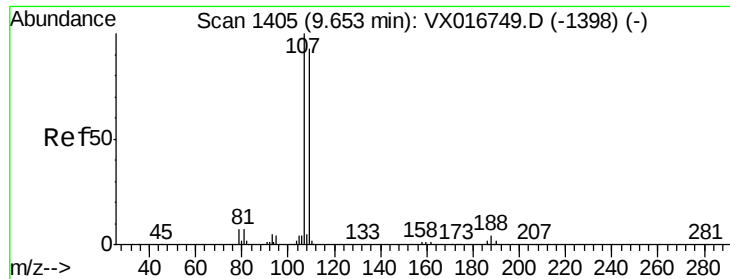
MMDadoda
6/17/2020 9:34:30 AM



#60
Dibromochloromethane
Concen: 51.508 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.7	116.1





#61

1,2-Dibromoethane

Concen: 51.171 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 150490

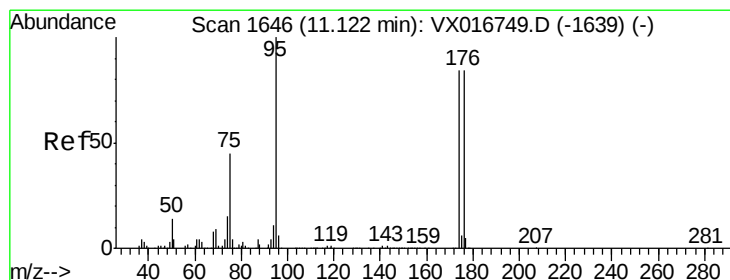
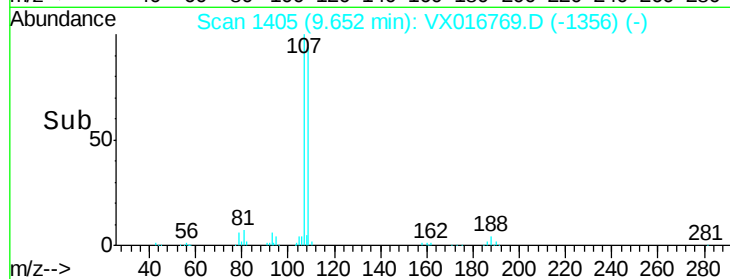
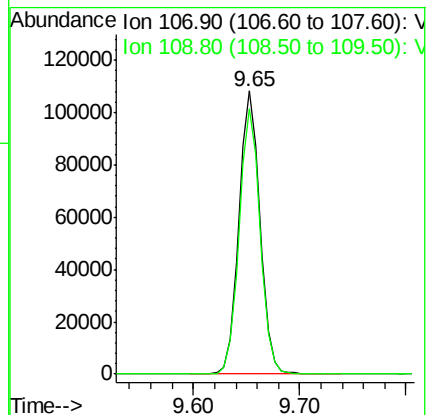
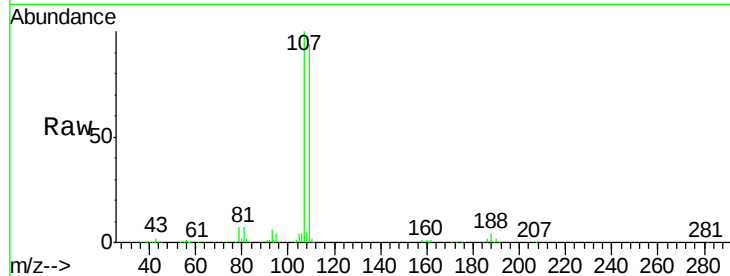
Ion Ratio Lower Upper

107 100

109 93.3 74.2 111.4

Manual Integrations
APPROVED

MMDadoda
6/17/2020 9:34:30 AM



#62

4-Bromofluorobenzene

Concen: 51.009 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

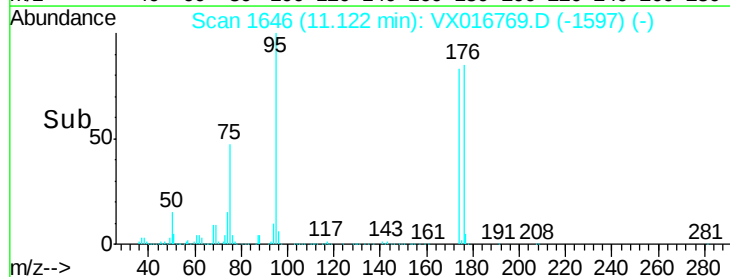
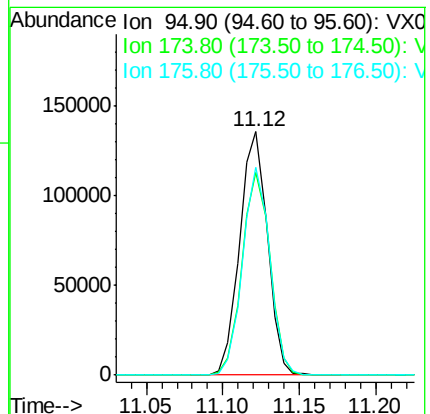
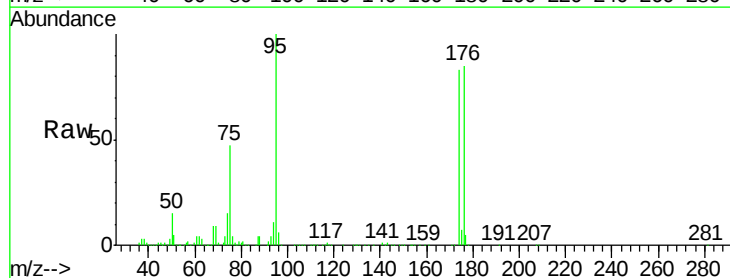
Tgt Ion: 95 Resp: 170416

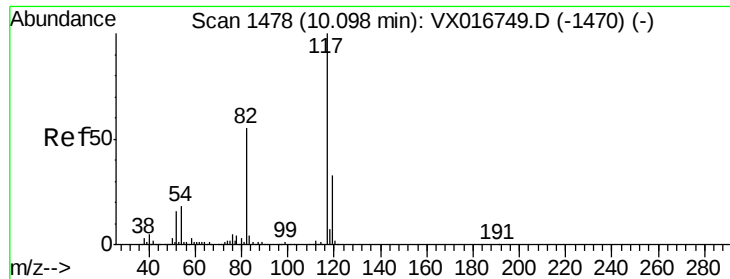
Ion Ratio Lower Upper

95 100

174 83.8 0.0 171.0

176 83.4 0.0 166.2





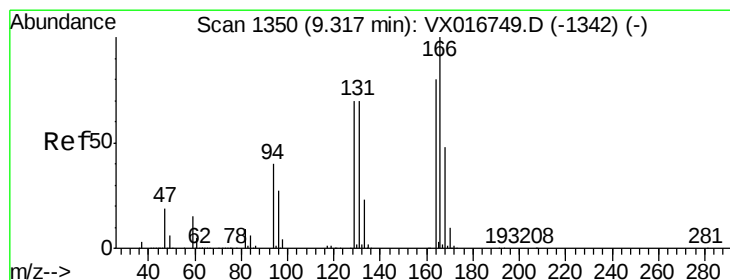
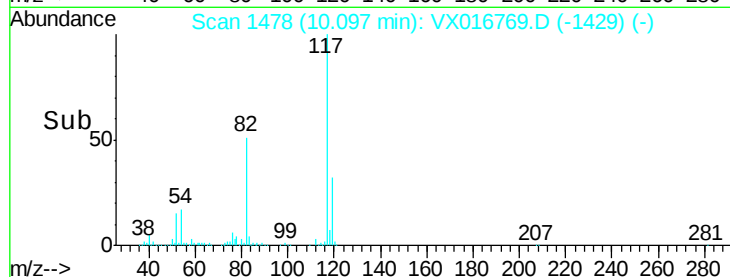
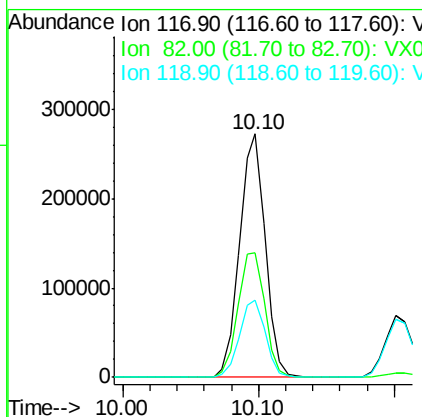
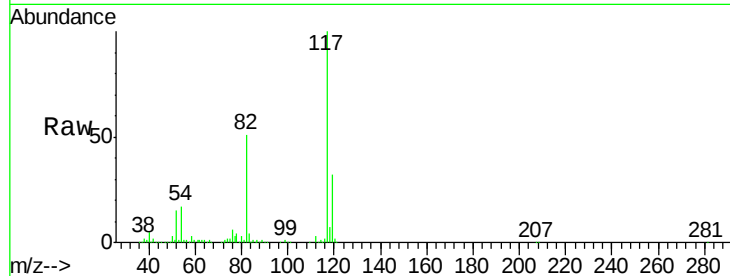
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	43.8	65.6
119	31.7	26.2	39.4

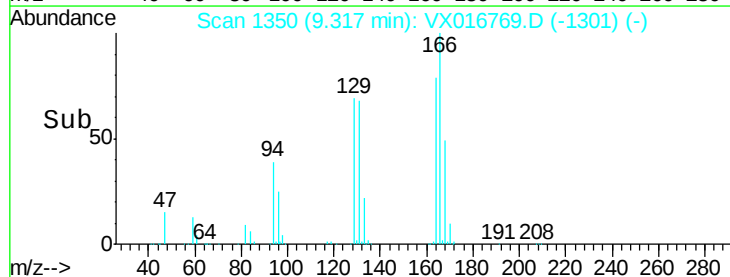
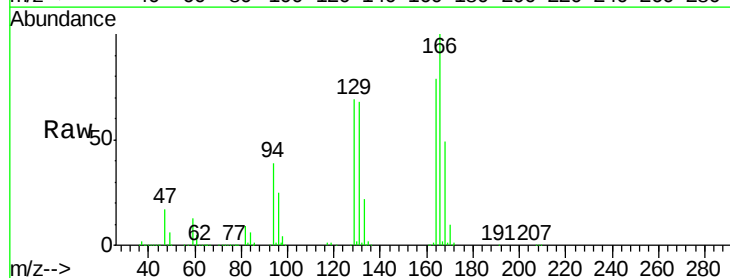
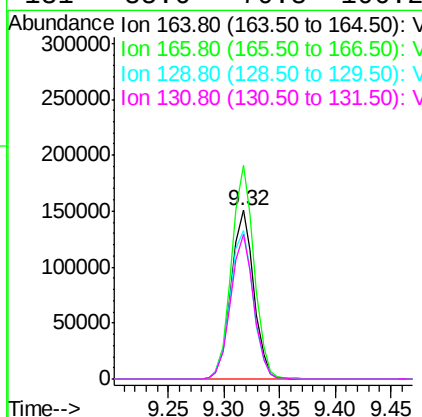
Manual Integrations
APPROVED

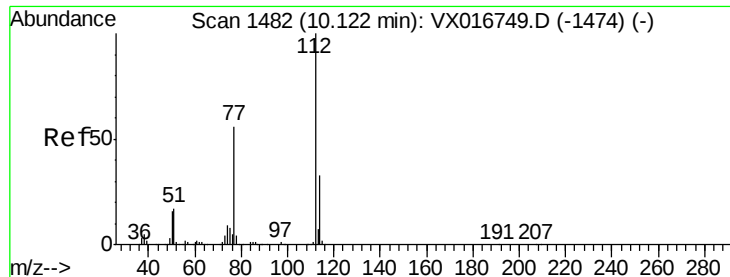
MMDadoda
6/17/2020 9:34:30 AM



#64
Tetrachloroethene
Concen: 61.696 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	100.6	150.8
129	87.6	70.1	105.1
131	85.6	70.8	106.2





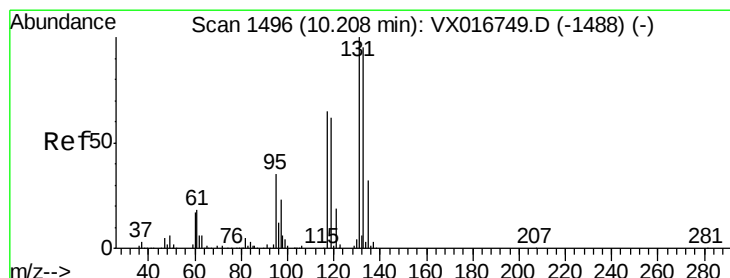
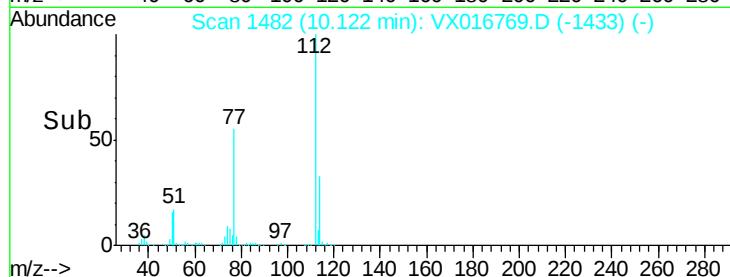
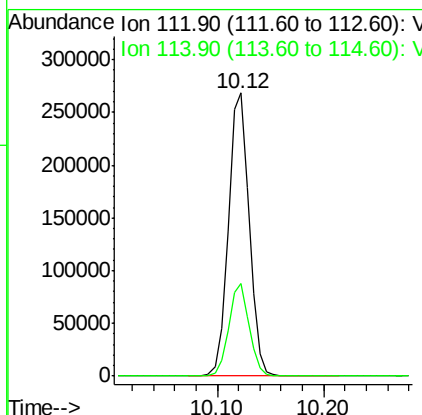
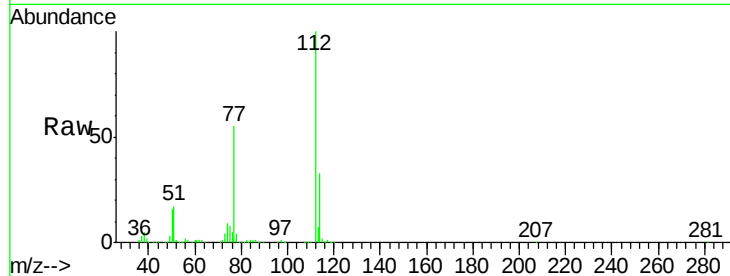
#65
Chlorobenzene
Concen: 50.470 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.2	39.4

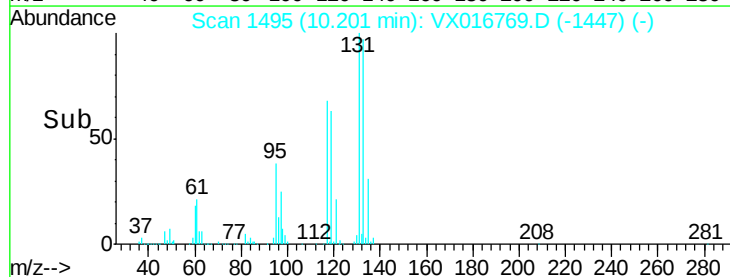
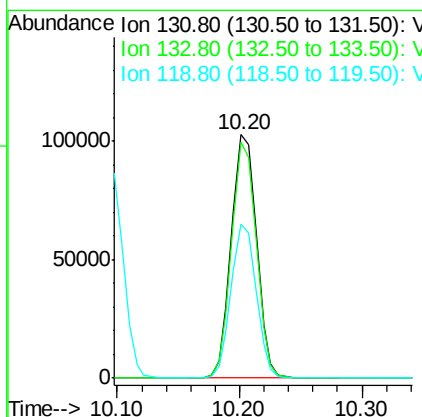
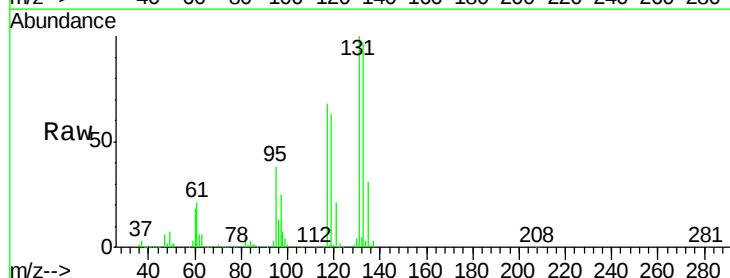
Manual Integrations
APPROVED

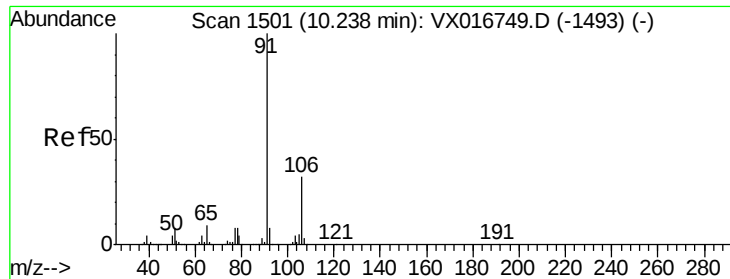
MMDadoda
6/17/2020 9:34:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.810 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	46.8	140.3
119	63.0	31.4	94.0





#67

Ethyl Benzene

Concen: 51.855 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 635341

Ion Ratio Lower Upper

91 100

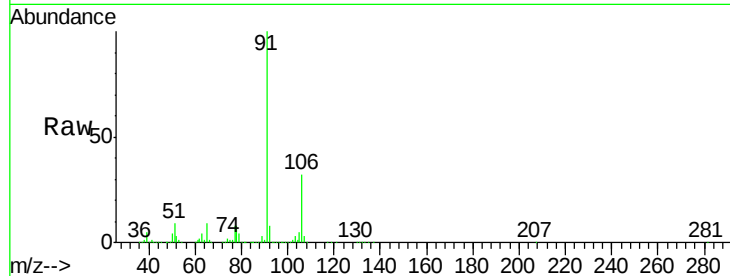
106 31.6 25.3 37.9

Manual Integrations

APPROVED

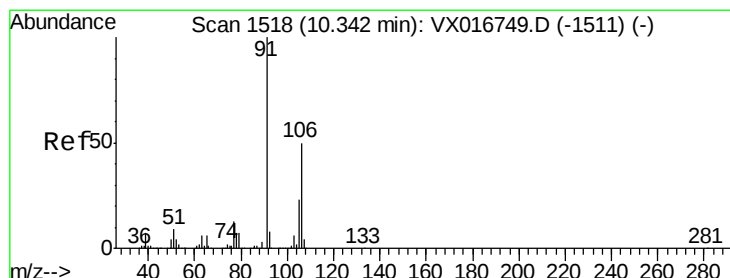
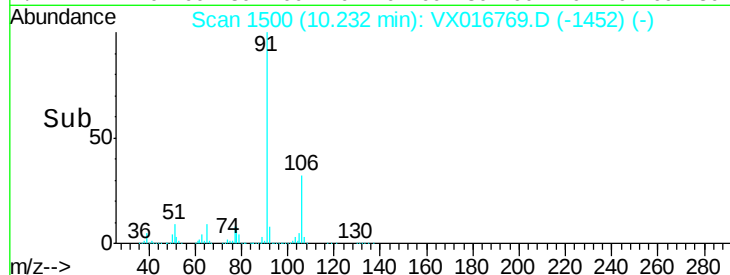
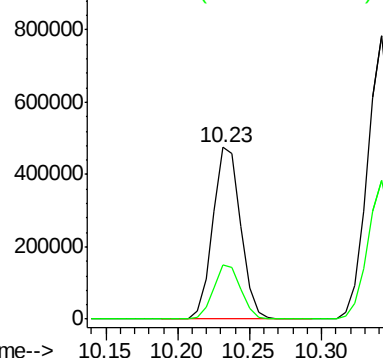
MMDadoda

6/17/2020 9:34:30 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 105.496 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016769.D

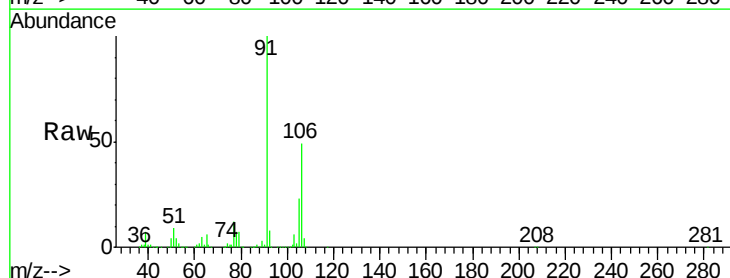
Acq: 16 Jun 2020 10:59

Tgt Ion: 106 Resp: 490085

Ion Ratio Lower Upper

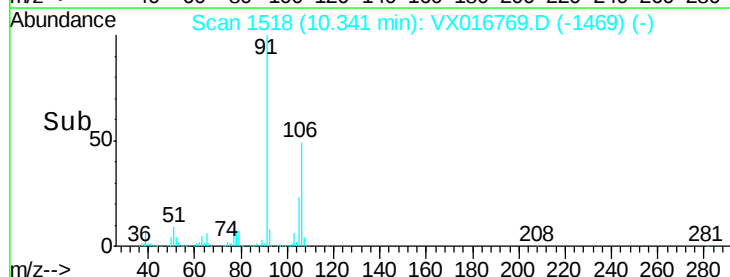
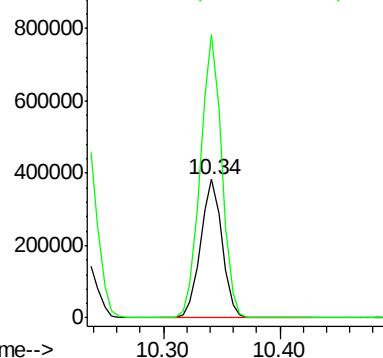
106 100

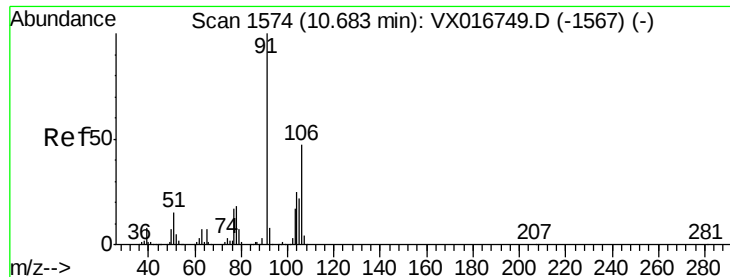
91 203.6 161.2 241.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





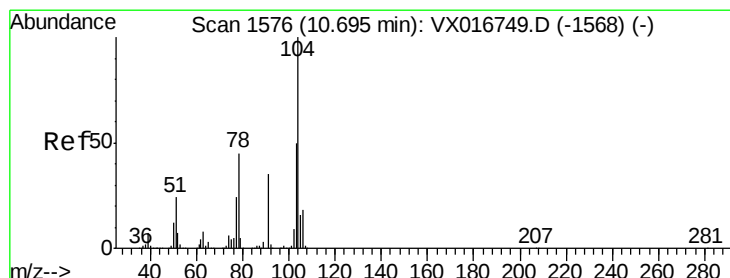
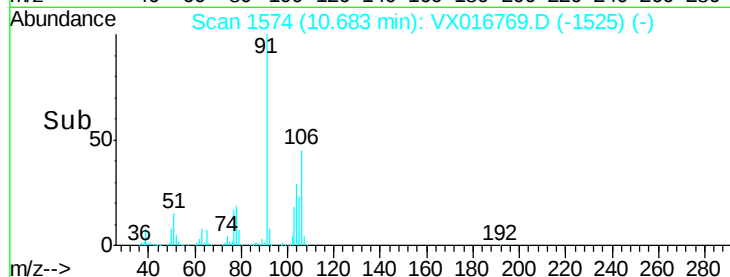
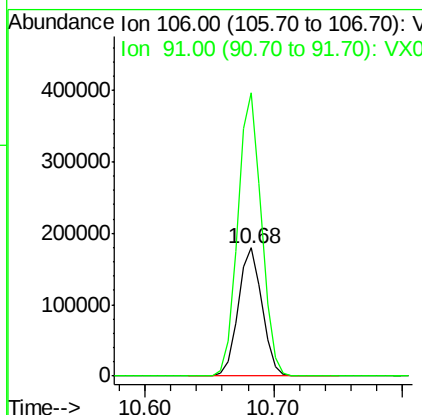
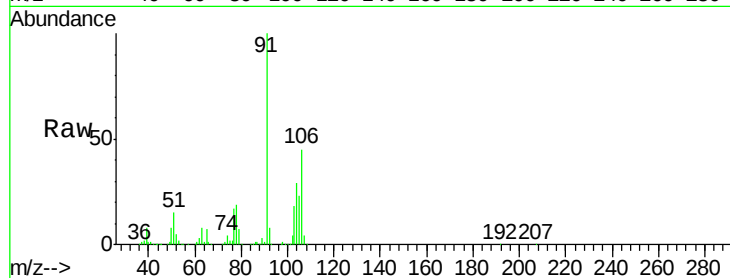
#69
o-Xylene
Concen: 51.060 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.6	106.9	320.8

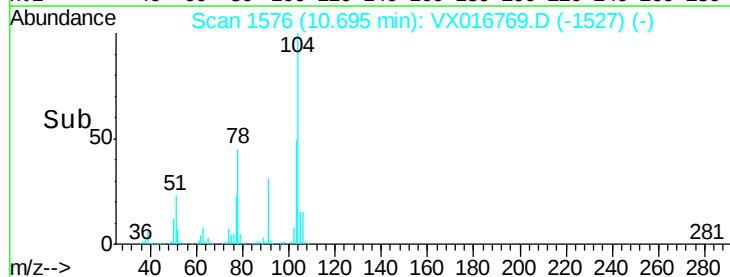
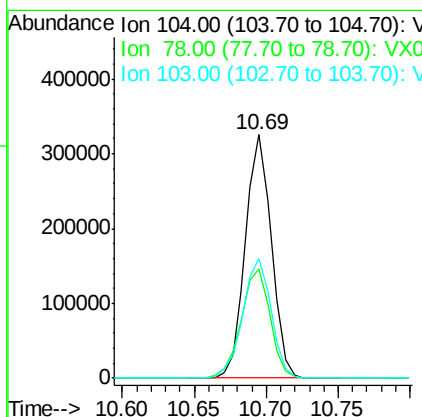
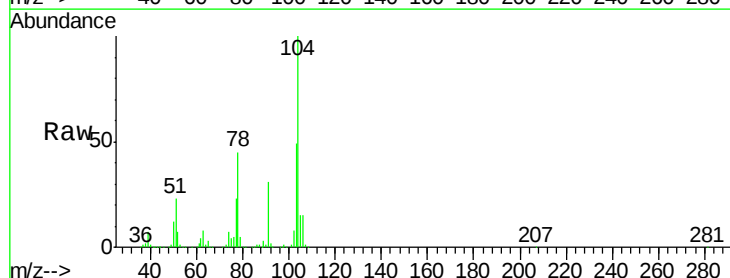
Manual Integrations
APPROVED

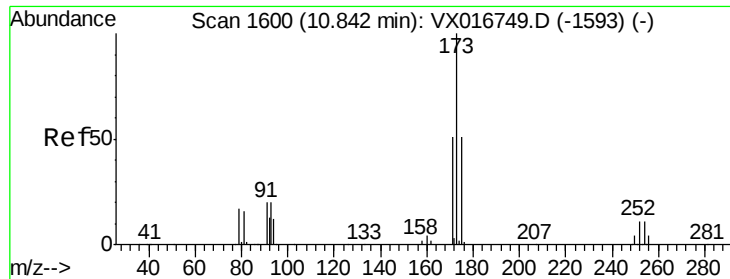
MMDadoda
6/17/2020 9:34:30 AM



#70
Styrene
Concen: 52.663 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.9	39.8	59.8
103	53.7	43.4	65.2





#71

Bromoform

Concen: 53.367 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

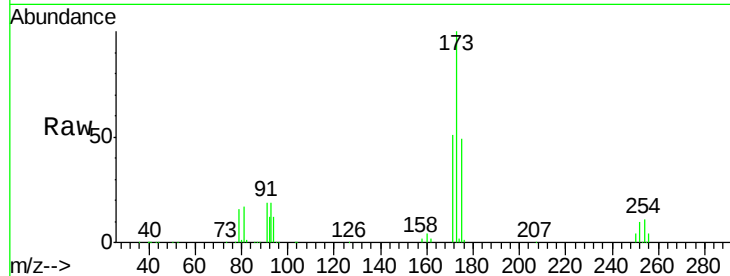
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
173	100	131651		
175	49.9	25.1	75.4	
254	0.1	0.1	0.1	

Manual Integrations
APPROVED

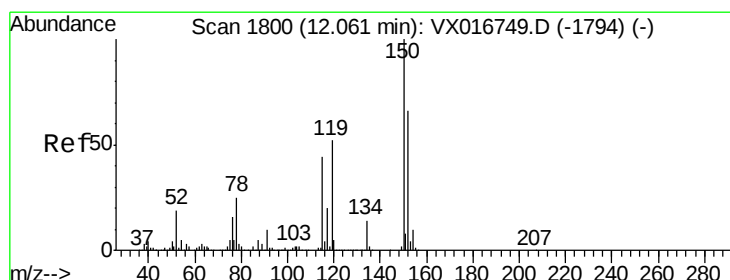
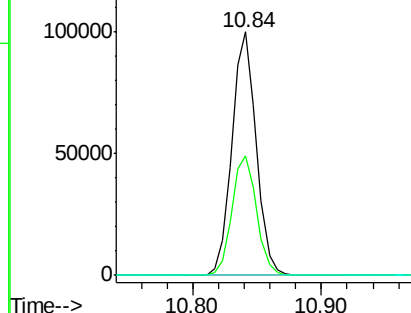
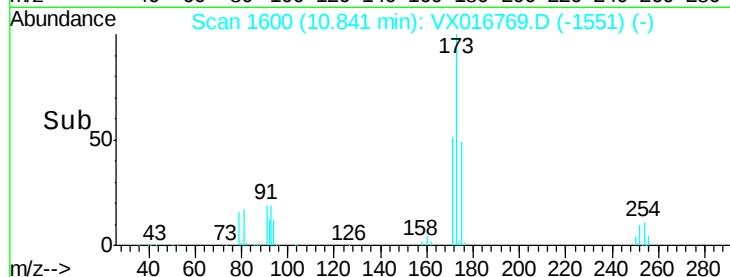
MMDadoda
6/17/2020 9:34:30 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

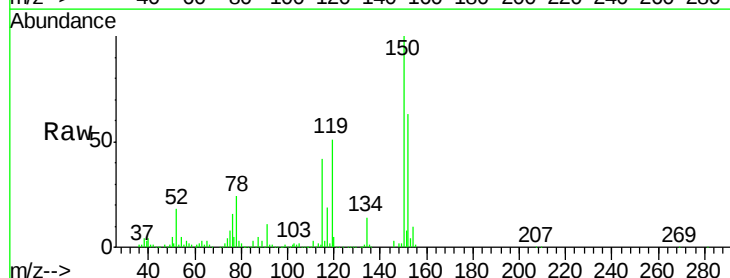
RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

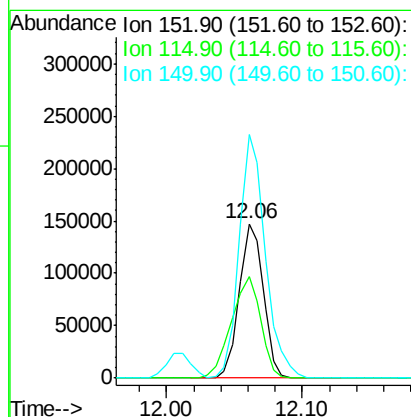
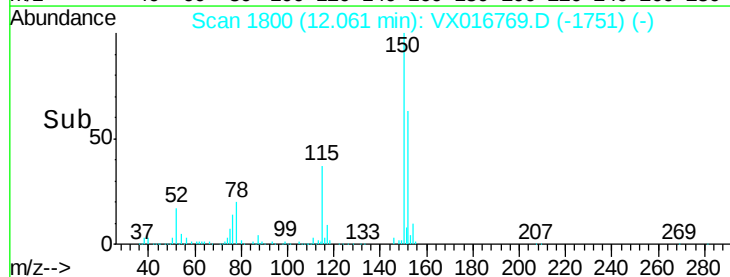
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	180854		
115	80.2	40.3	120.8	
150	171.8	0.0	337.4	

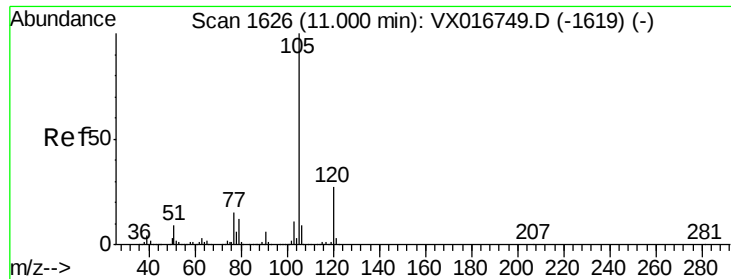


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.328 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 632842

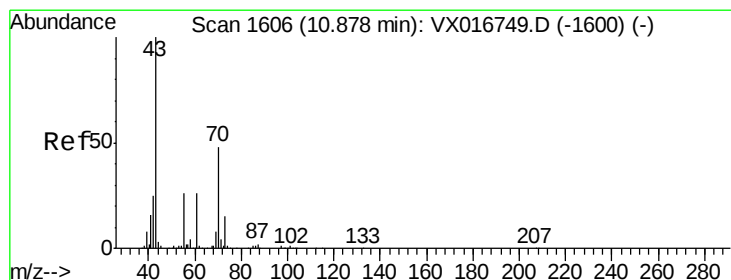
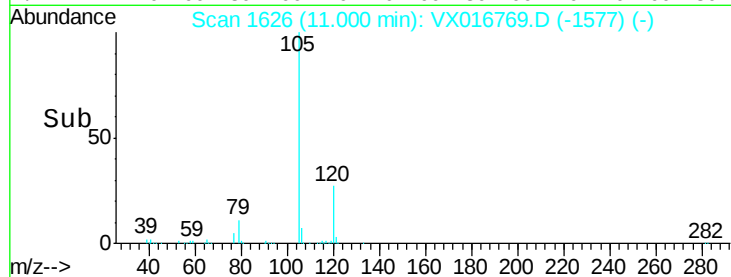
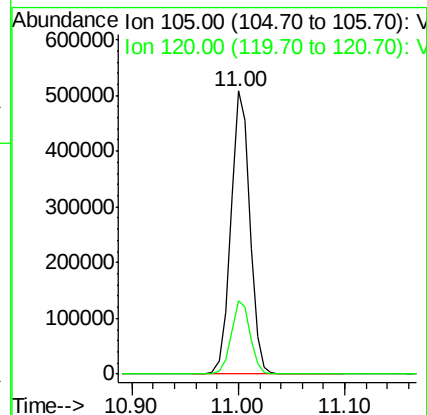
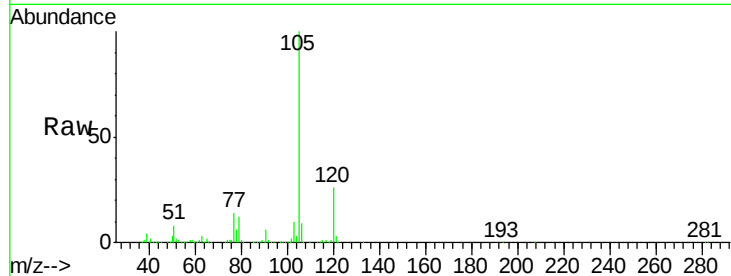
Ion Ratio Lower Upper

105 100

120 25.9 13.2 39.5

Manual Integrations
APPROVED

MMDadoda
6/17/2020 9:34:30 AM



#74

N-ethyl acetate

Concen: 56.090 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Tgt Ion: 43 Resp: 258702

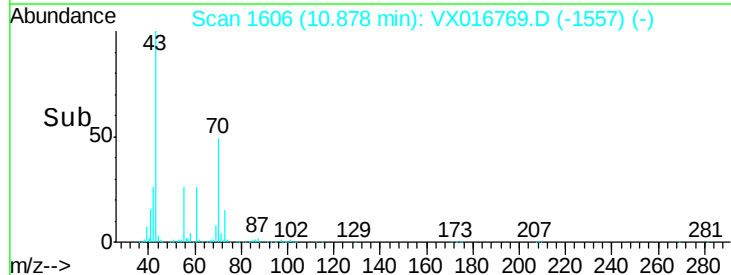
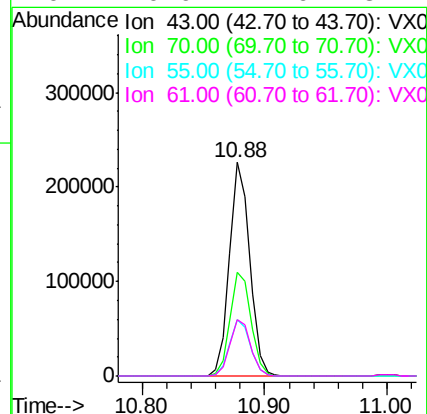
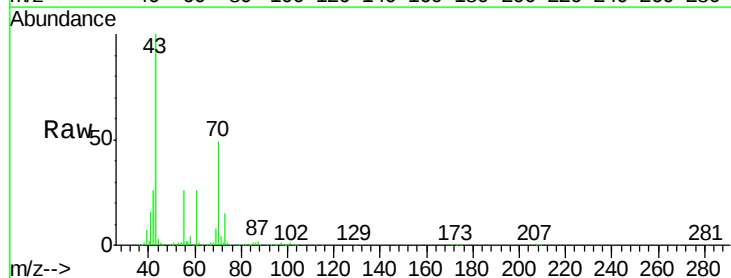
Ion Ratio Lower Upper

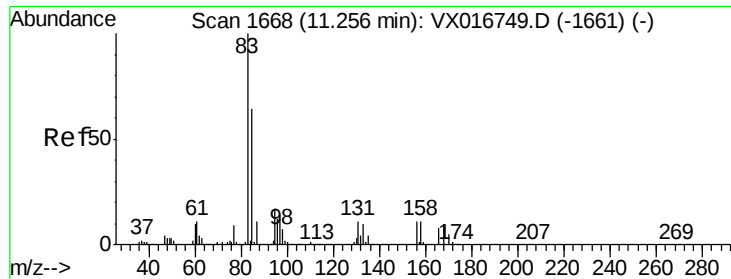
43 100

70 49.8 39.8 59.6

55 27.0 21.7 32.5

61 26.9 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 40.677 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

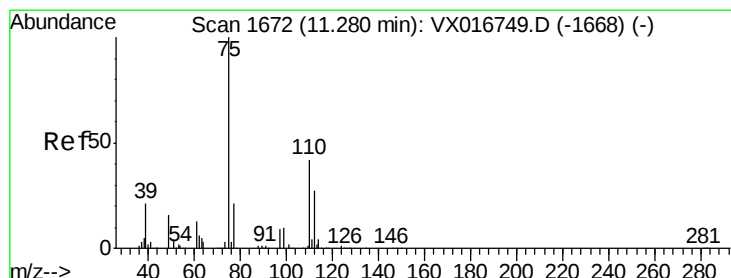
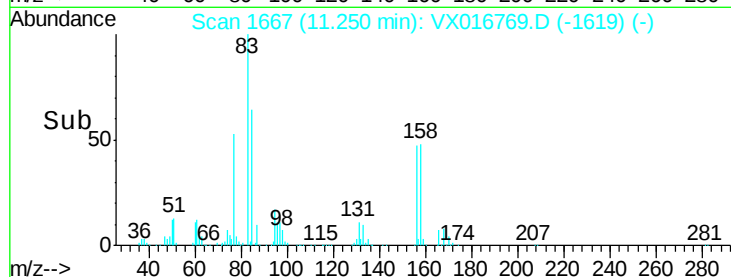
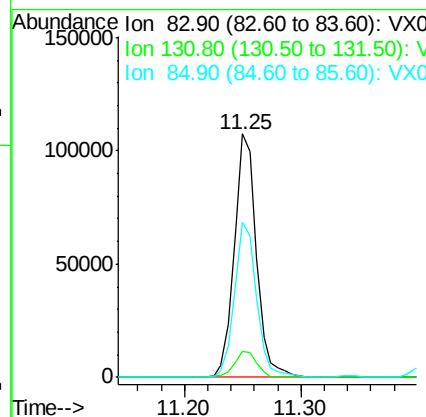
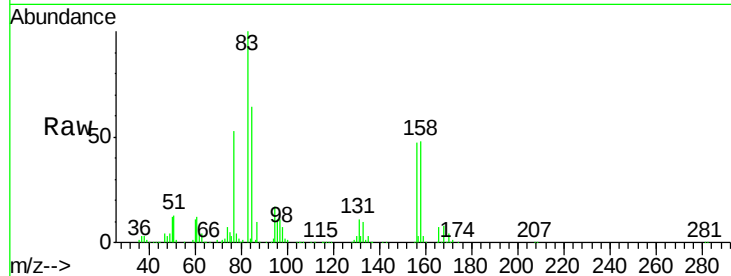
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	141996
Ion Ratio		Lower	Upper
83	100		
131	10.9	5.7	17.0
85	64.1	32.4	97.2

Manual Integrations
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6/17/2020 9:34:30 AM



#76

1,2,3-Trichloropropane

Concen: 52.959 ug/l m

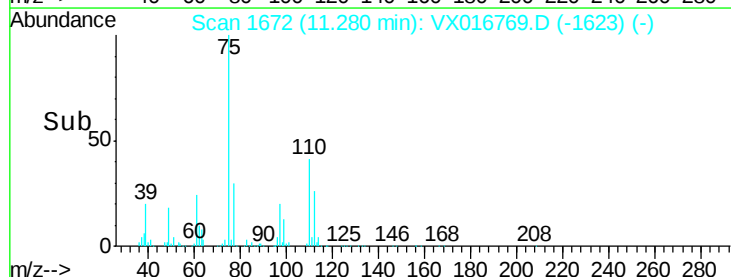
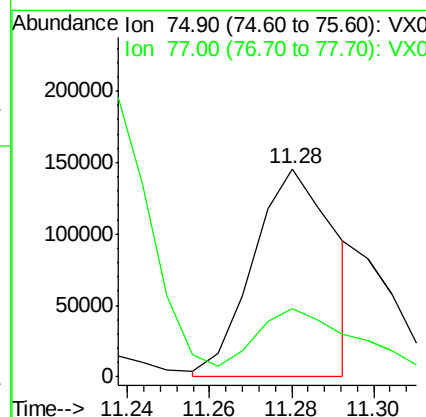
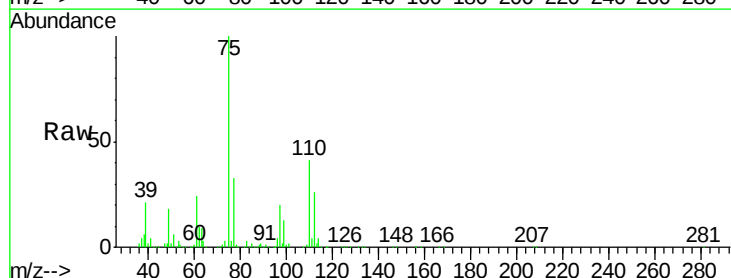
RT: 11.28 min Scan# 1672

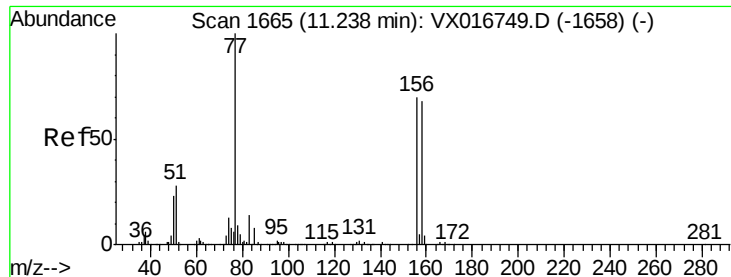
Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Tgt Ion:	75	Resp:	201416
Ion Ratio		Lower	Upper
75	100		
77	41.5	20.3	60.9





#77

Bromobenzene

Concen: 50.342 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

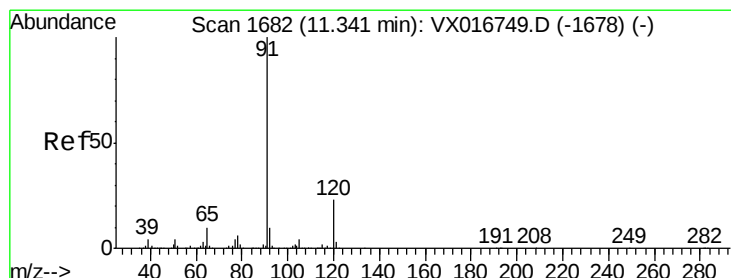
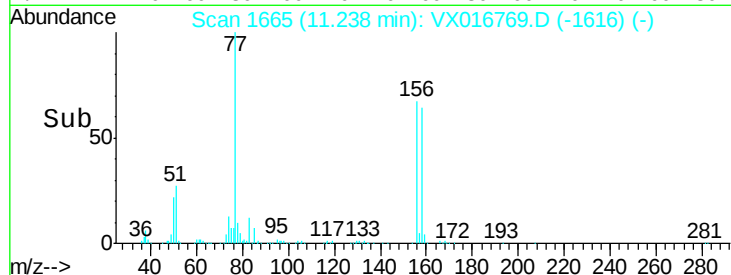
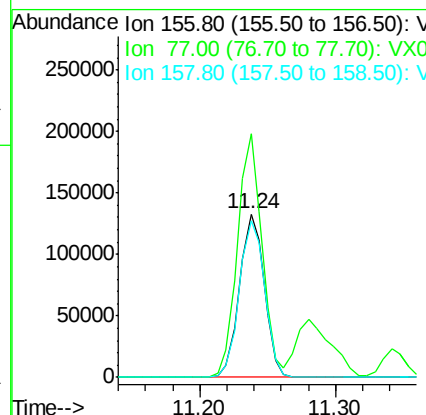
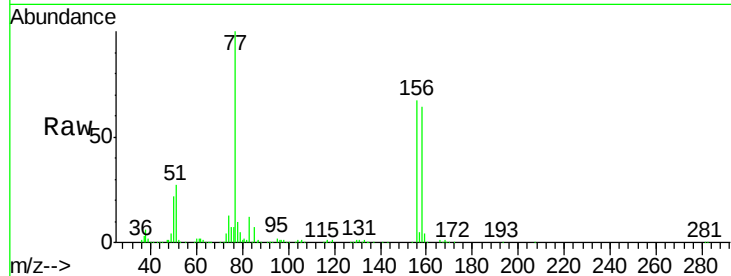
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.2	73.2	219.6
158	98.0	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 54.253 ug/l

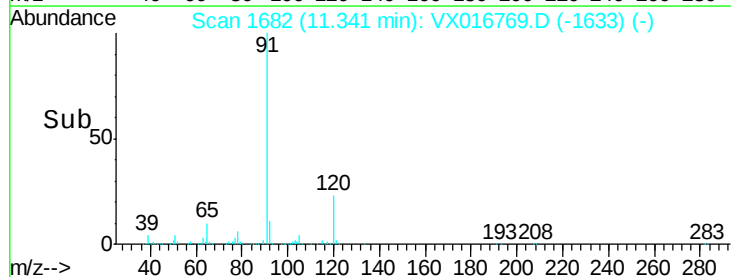
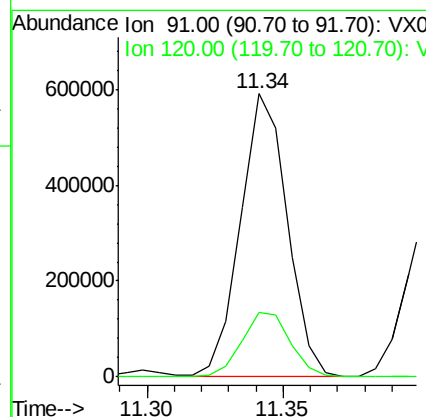
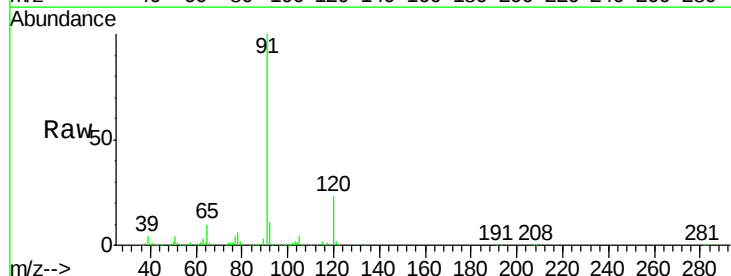
RT: 11.34 min Scan# 1682

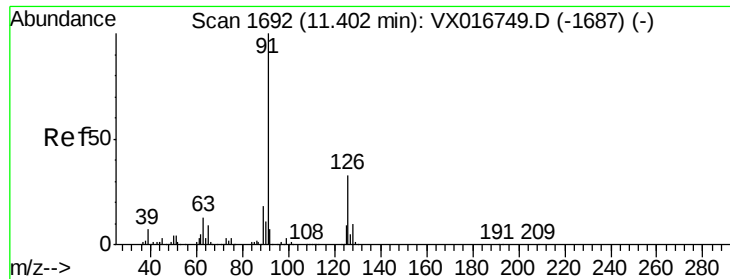
Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	12.0	36.0





#79

2-Chlorotoluene

Concen: 51.918 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX016769.D

Acq: 16 Jun 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 423097

Ion Ratio Lower Upper

91 100

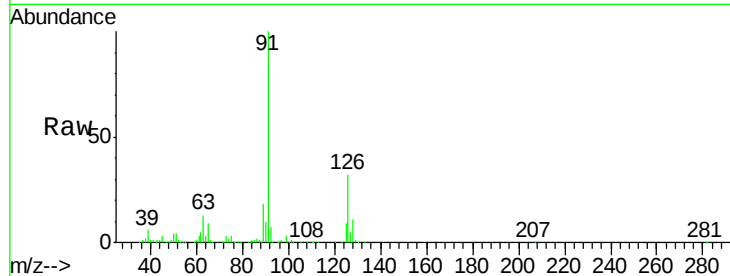
126 34.1 17.2 51.5

Manual Integrations

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6/17/2020 9:34:30 AM



Abundance Ion 91.00 (90.70 to 91.70): VX016749.D (-1687) (-)

Ion 125.90 (125.60 to 126.60): VX016749.D (-1687) (-)

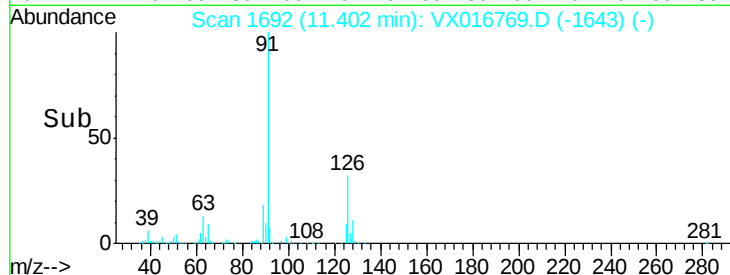
600000

400000

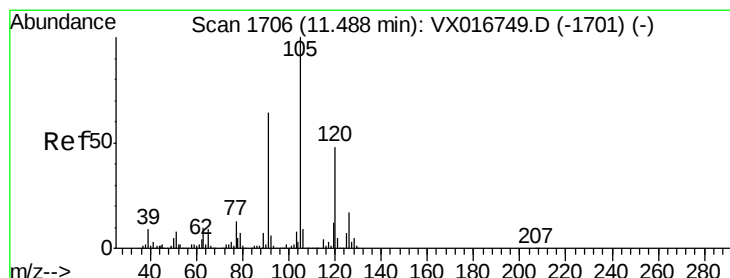
200000

0

11.35 11.40 11.45



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.601 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX016769.D

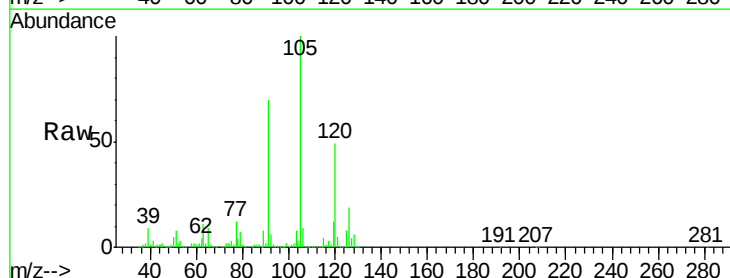
Acq: 16 Jun 2020 10:59

Tgt Ion: 105 Resp: 543157

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX016749.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX016749.D (-1701) (-)

500000

400000

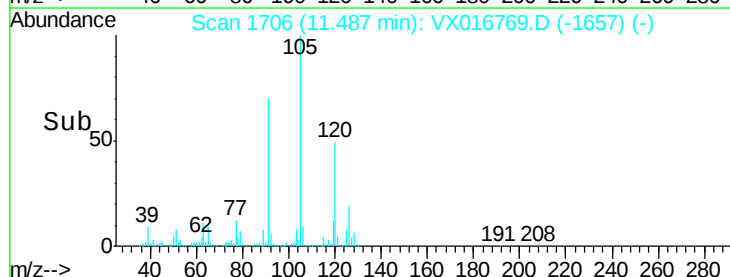
300000

200000

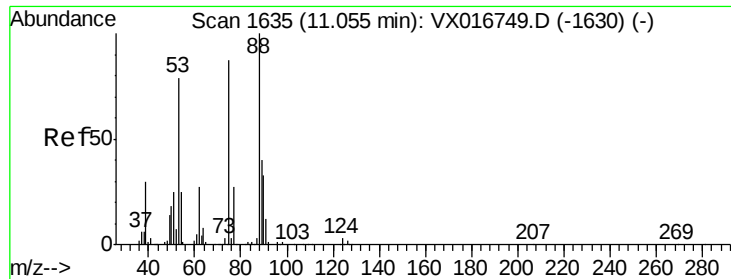
100000

0

11.40 11.50 11.60



Time-->



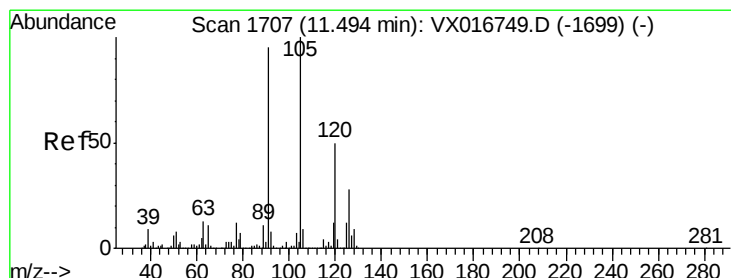
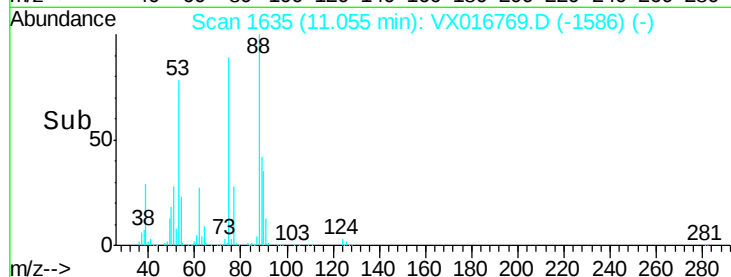
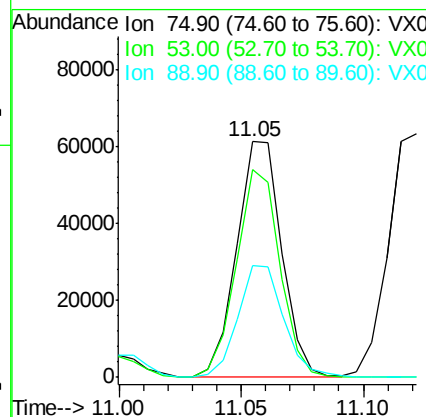
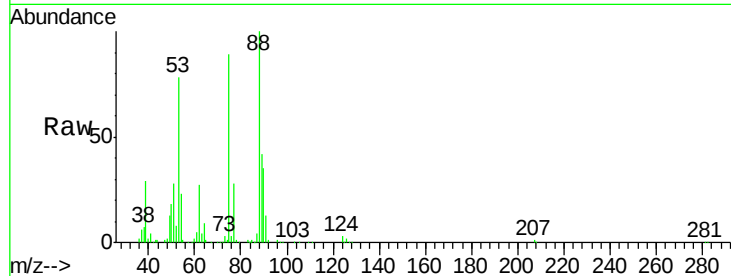
#81
trans-1,4-Dichloro-2-butene
Concen: 51.673 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.7	71.4	107.0
89	48.8	39.1	58.7

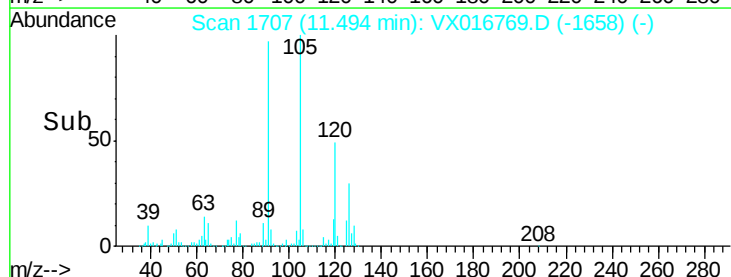
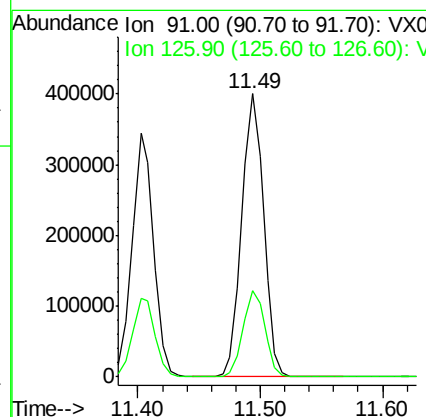
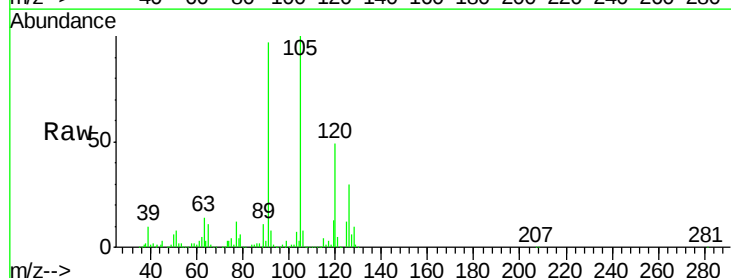
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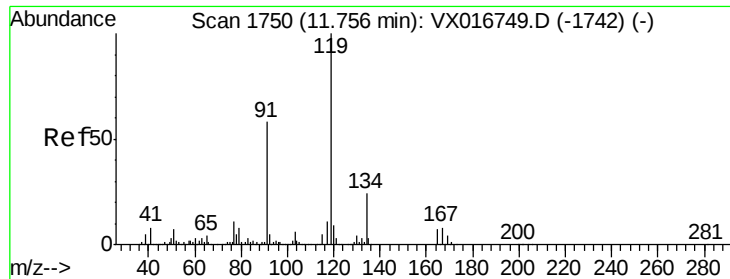
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#82
4-Chlorotoluene
Concen: 51.898 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.2	45.6





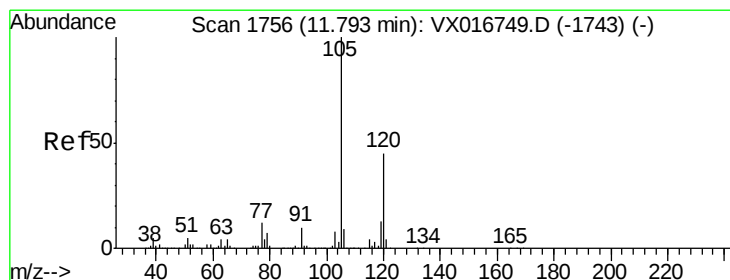
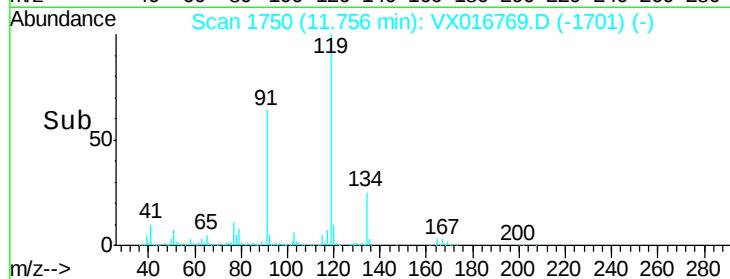
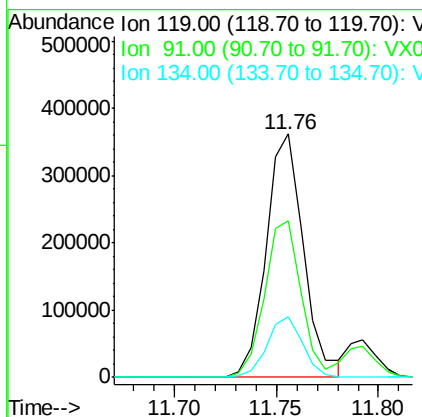
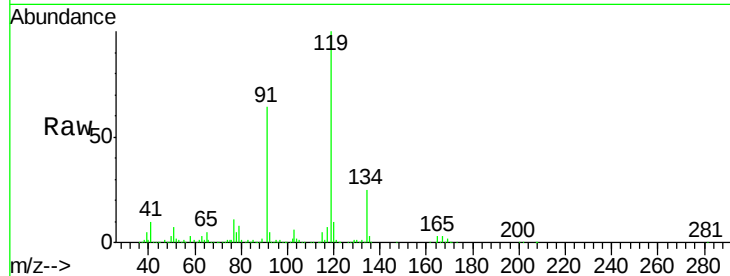
#83
tert-Butylbenzene
Concen: 50.568 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	460294		
91	62.6	29.3	88.0	
134	23.9	11.8	35.3	

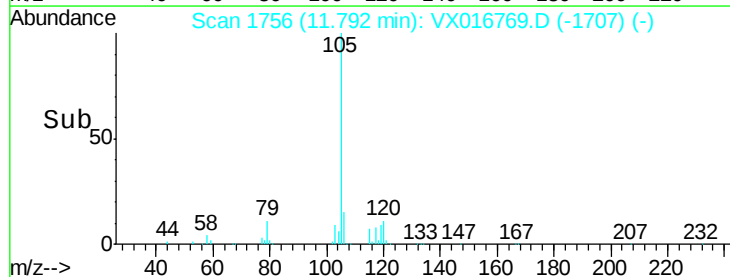
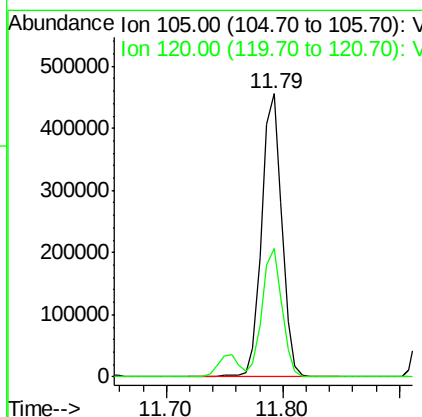
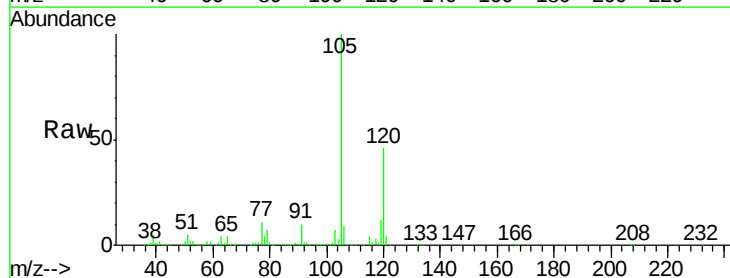
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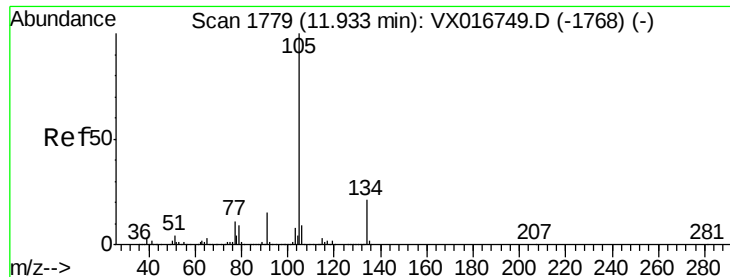
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#84
1,2,4-Trimethylbenzene
Concen: 54.808 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	551546		
120	44.7	22.6	67.8	





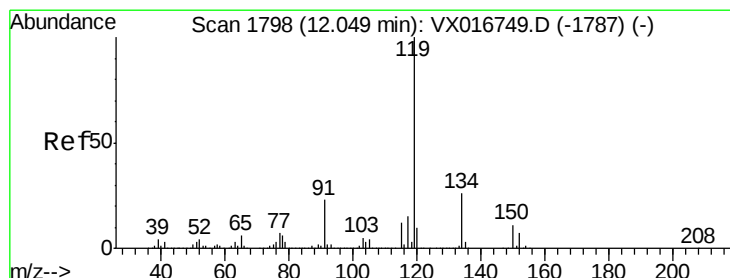
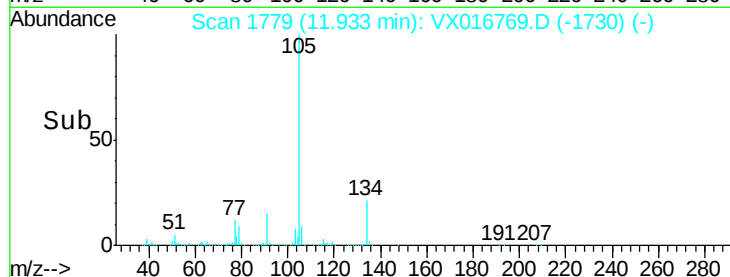
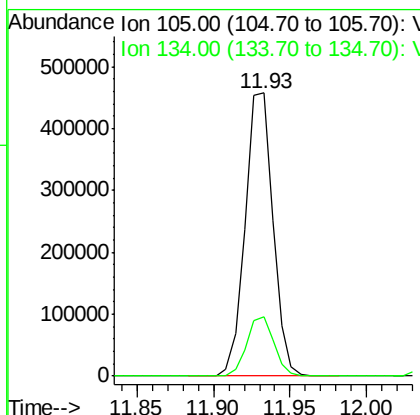
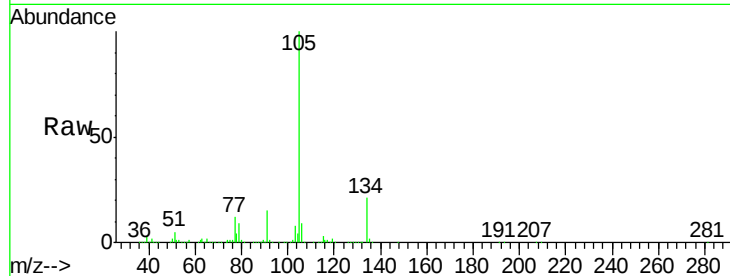
#85
 sec-Butylbenzene
 Concen: 54.210 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016769.D
 Acq: 16 Jun 2020 10:59

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.8

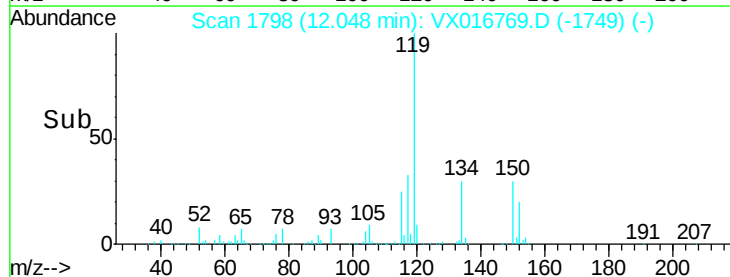
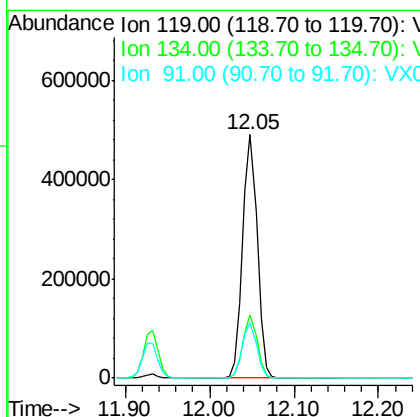
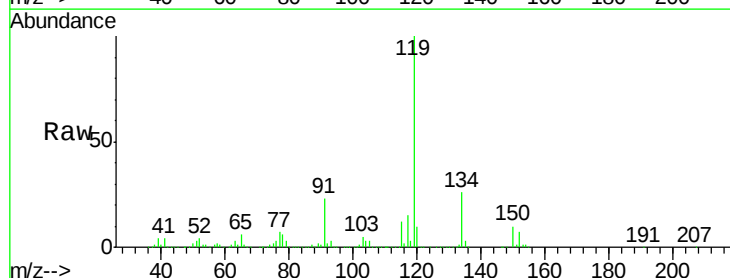
Manual Integrations
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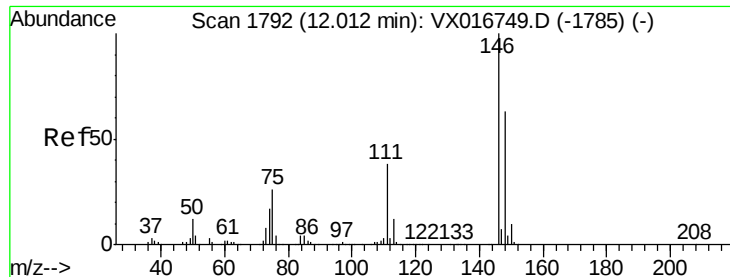
MMDadoda
 6/17/2020 9:34:30 AM



#86
 p-Isopropyltoluene
 Concen: 55.185 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016769.D
 Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.0	38.9
91	22.7	11.6	34.7





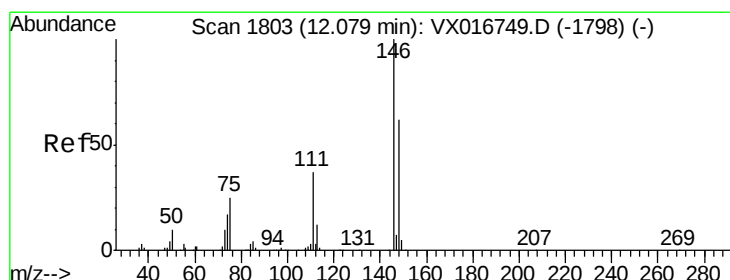
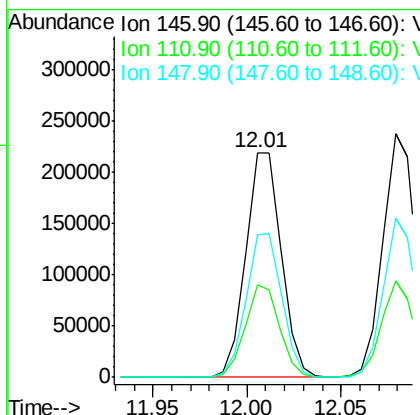
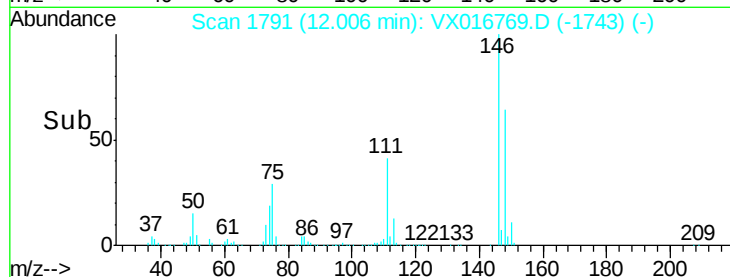
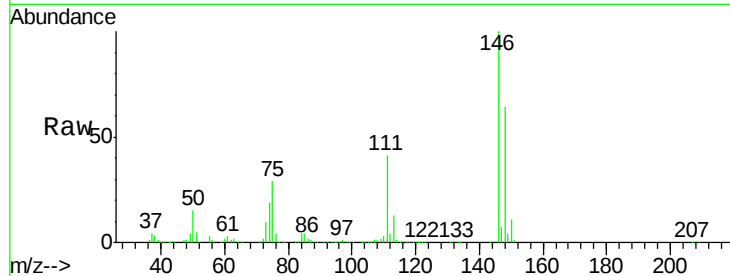
#87
 1,3-Dichlorobenzene
 Concen: 50.421 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX016769.D
 Acq: 16 Jun 2020 10:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.3
148	64.3	31.9	95.7

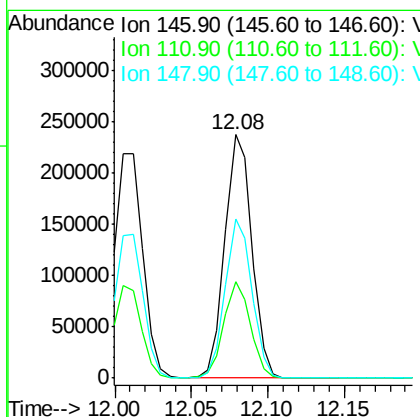
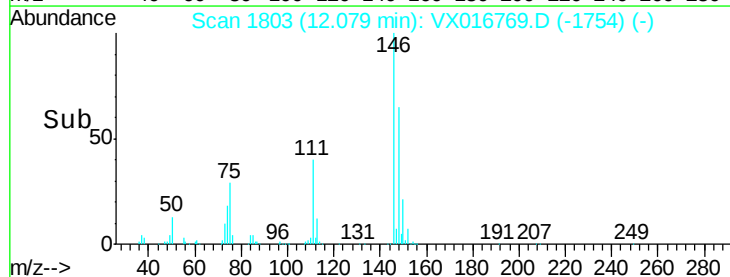
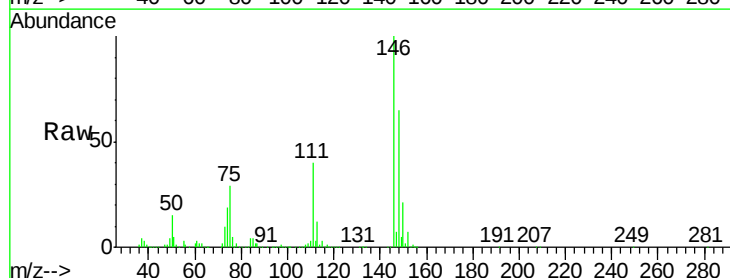
Manual Integrations
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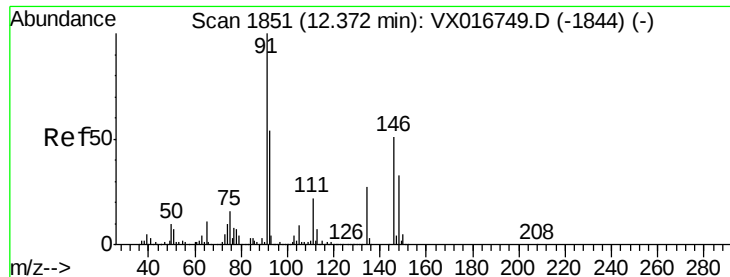
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#88
 1,4-Dichlorobenzene
 Concen: 49.362 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX016769.D
 Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.8
148	64.8	32.1	96.5





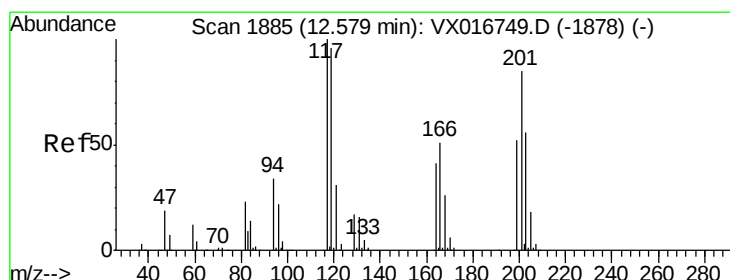
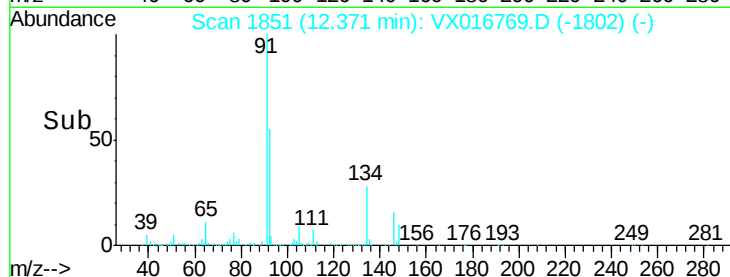
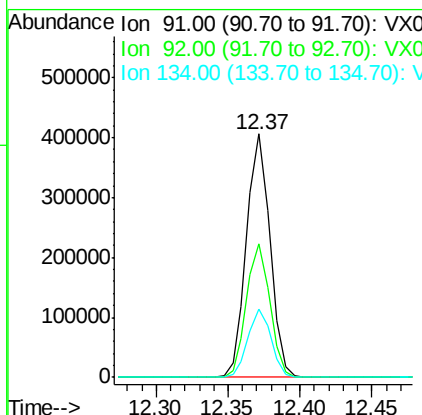
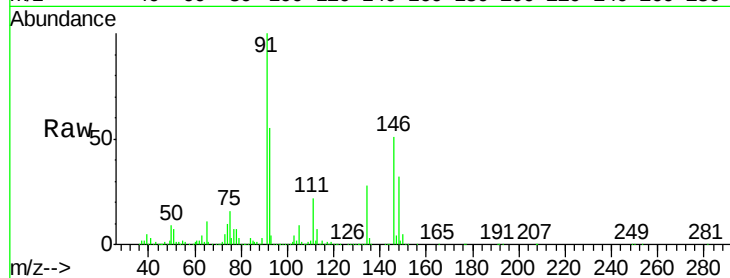
#89
n-Butylbenzene
Concen: 54.217 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.0	80.8
134	27.7	13.7	41.0

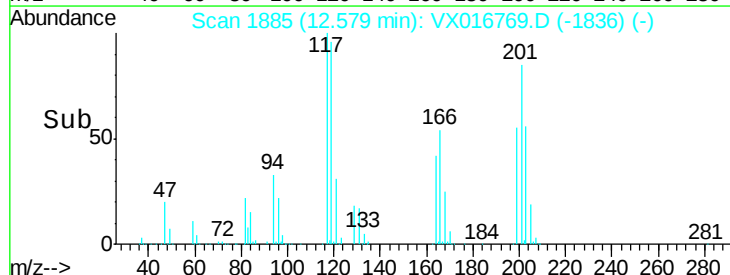
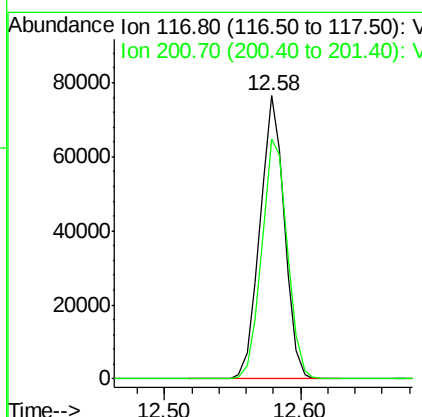
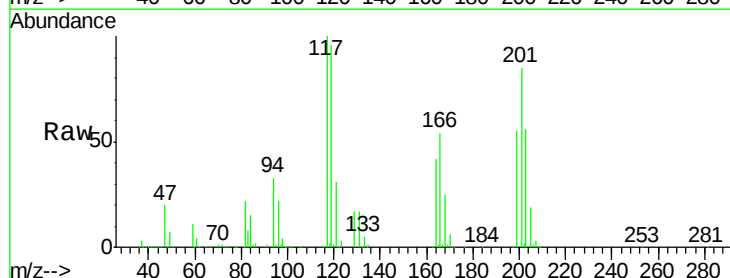
Manual Integrations
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#90
Hexachloroethane
Concen: 51.439 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	45.6	136.9





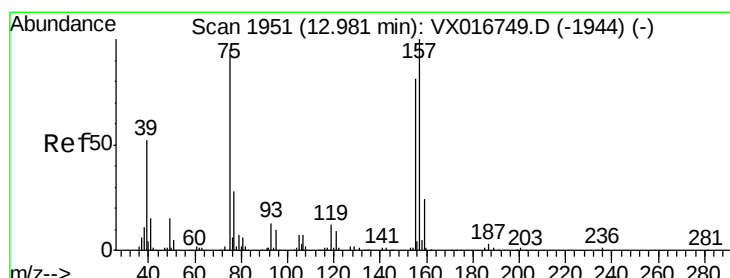
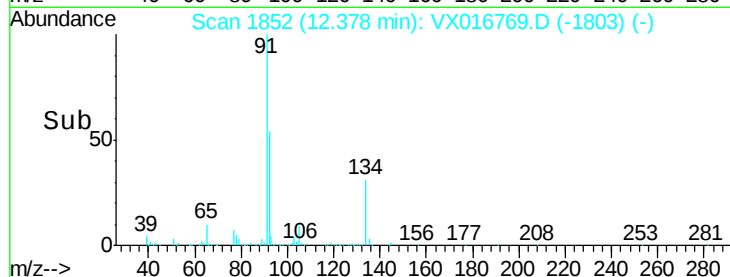
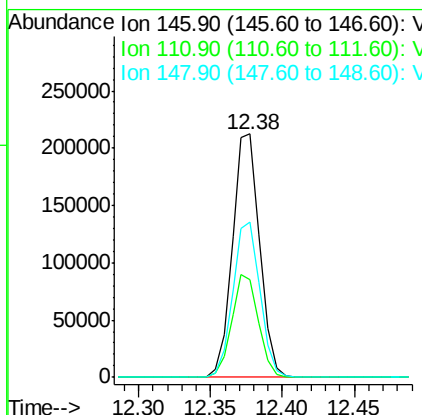
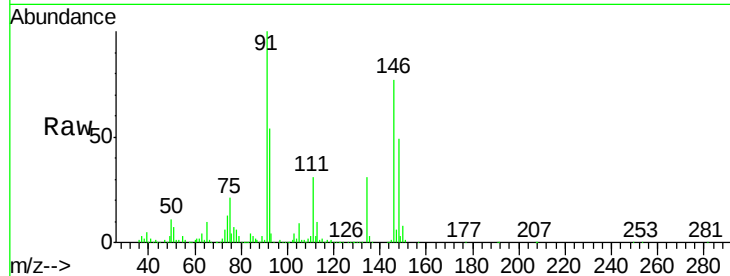
#91
 1,2-Dichlorobenzene
 Concen: 49.533 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016769.D
 Acq: 16 Jun 2020 10:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	280594		
111	41.4	20.8	62.2	
148	63.9	32.1	96.5	

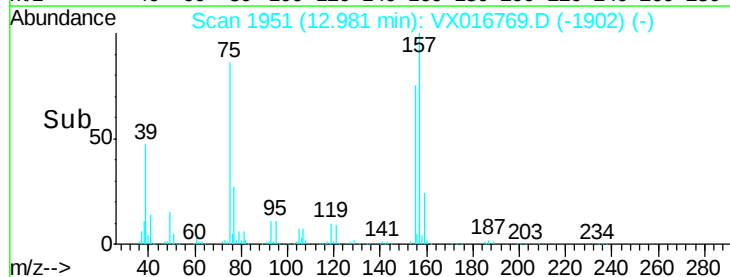
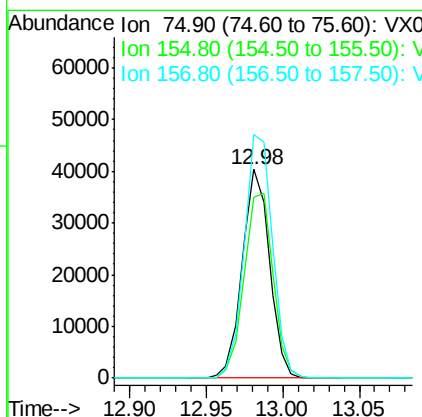
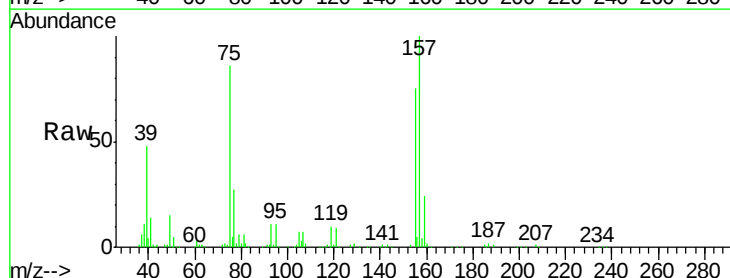
Manual Integrations
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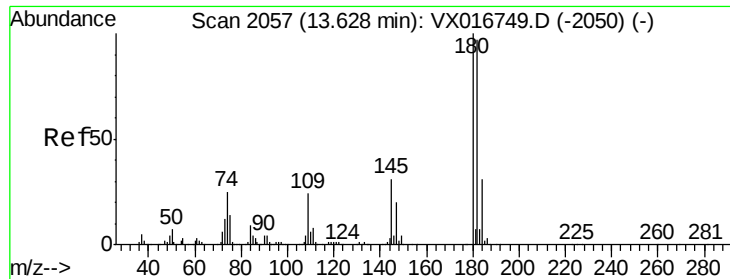
MMDadoda
 6/17/2020 9:34:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.358 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX016769.D
 Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	50135		
155	94.0	46.9	140.7	
157	120.6	59.6	178.7	





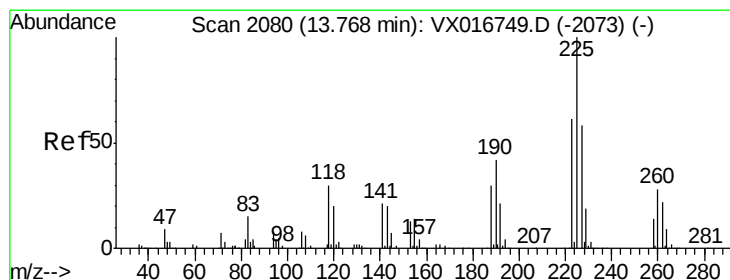
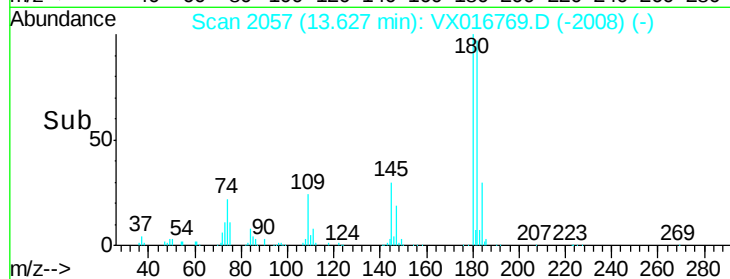
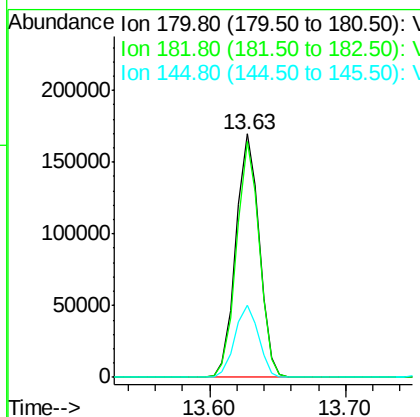
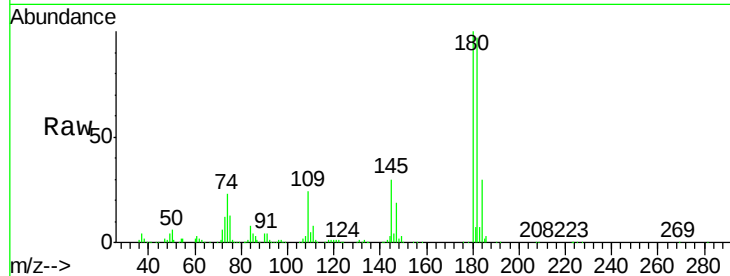
#93
 1,2,4-Trichlorobenzene
 Concen: 51.143 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016769.D
 Acq: 16 Jun 2020 10:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	202885		
182	94.2	48.6	145.8	
145	30.0	15.4	46.4	

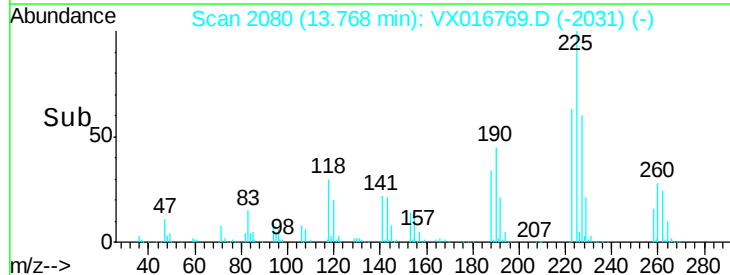
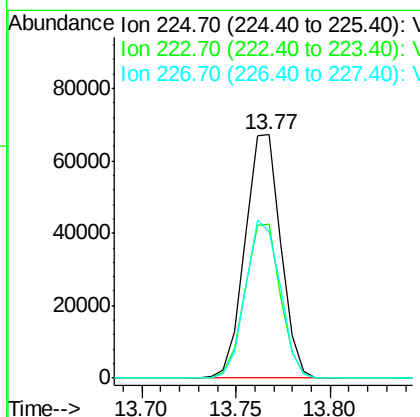
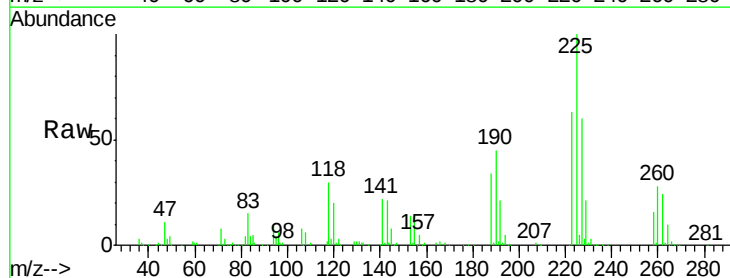
Manual Integrations
 APPROVED

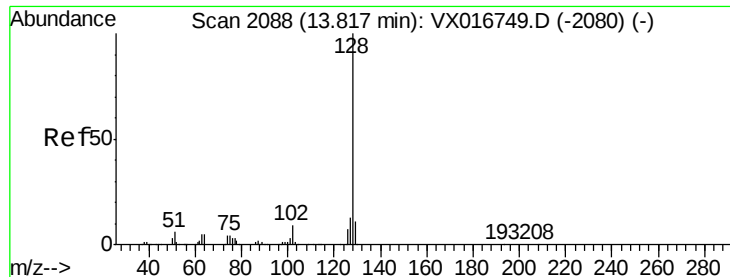
MMDadoda
 6/17/2020 9:34:30 AM



#94
 Hexachlorobutadiene
 Concen: 50.527 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016769.D
 Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88212		
223	63.0	31.1	93.5	
227	63.1	30.9	92.7	





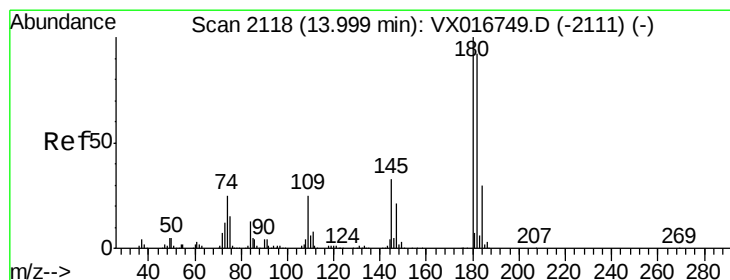
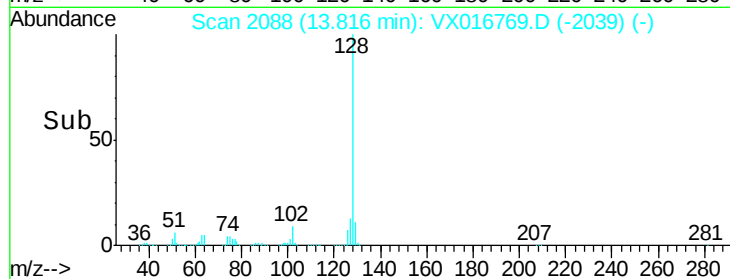
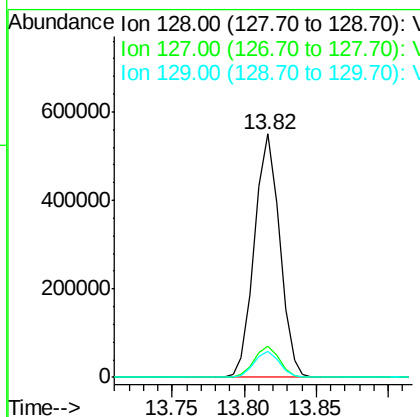
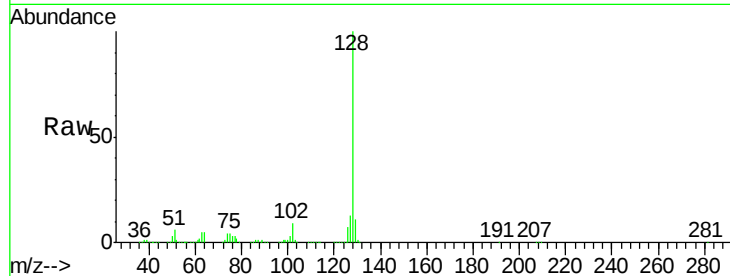
#95
Naphthalene
Concen: 53.358 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/17/2020 9:34:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.879 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX016769.D
Acq: 16 Jun 2020 10:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.1	141.4
145	32.0	15.9	47.7

