

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051320\
 Data File : VX016217.D
 Acq On : 14 May 2020 06:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/14/2020 12:16:06 PM

Quant Time: May 14 08:05:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	251977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	416702	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	393284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	203547	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	162760	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	5.46	113	130191	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	8.70	98	508511	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	11.12	95	199011	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	138181	51.809	ug/l	99
3) Chloromethane	1.31	50	152074	49.097	ug/l	98
4) Vinyl Chloride	1.39	62	163327	49.424	ug/l	100
5) Bromomethane	1.62	94	73240	43.961	ug/l	99
6) Chloroethane	1.70	64	98499	48.988	ug/l	98
7) Trichlorofluoromethane	1.91	101	212932	49.080	ug/l	99
8) Diethyl Ether	2.17	74	88045	48.165	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	121322	48.470	ug/l	99
10) Methyl Iodide	2.49	142	131908	39.233	ug/l	99
11) Tert butyl alcohol	3.02	59	201186	239.944	ug/l	100
12) 1,1-Dichloroethene	2.36	96	126054	48.125	ug/l	98
13) Acrolein	2.27	56	114743	218.689	ug/l	98
14) Allyl chloride	2.71	41	224402	46.724	ug/l	96
15) Acrylonitrile	3.12	53	438560	252.131	ug/l	99
16) Acetone	2.42	43	350382	236.831	ug/l	95
17) Carbon Disulfide	2.55	76	365411	46.440	ug/l	100
18) Methyl Acetate	2.75	43	189344	52.051	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	473780	52.470	ug/l	100
20) Methylene Chloride	2.84	84	150522	49.353	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	143271	49.084	ug/l	98
22) Diisopropyl ether	3.82	45	462192	51.012	ug/l	97
23) Vinyl Acetate	3.79	43	2021487	253.595	ug/l	99
24) 1,1-Dichloroethane	3.67	63	262795	51.849	ug/l	98
25) 2-Butanone	4.64	43	597052	250.440	ug/l	100
26) 2,2-Dichloropropane	4.55	77	160742	34.727	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	164606	51.583	ug/l	94
28) Bromochloromethane	4.98	49	120070	51.953	ug/l	98
29) Tetrahydrofuran	5.09	42	392239	248.308	ug/l	98
30) Chloroform	5.18	83	263244	52.164	ug/l	100
31) Cyclohexane	5.55	56	227913	49.479	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	236194	51.490	ug/l	99
36) 1,1-Dichloropropene	5.77	75	196843	47.989	ug/l	99
37) Ethyl Acetate	4.79	43	227219	47.794	ug/l	100
38) Carbon Tetrachloride	5.76	117	208847	50.092	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051320\
 Data File : VX016217.D
 Acq On : 14 May 2020 06:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/14/2020 12:16:06 PM

Quant Time: May 14 08:05:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	218912	44.316	ug/l	99
40) Benzene	6.12	78	597259	49.764	ug/l	100
41) Methacrylonitrile	5.01	41	123862	48.243	ug/l	98
42) 1,2-Dichloroethane	6.17	62	209520	48.461	ug/l	99
43) Isopropyl Acetate	6.42	43	365496	48.184	ug/l	98
44) Trichloroethene	7.19	130	186839	43.820	ug/l	95
45) 1,2-Dichloropropane	7.49	63	155855	51.321	ug/l	99
46) Dibromomethane	7.64	93	102270	49.555	ug/l	98
47) Bromodichloromethane	7.88	83	216670	51.549	ug/l	100
48) Methyl methacrylate	7.74	41	175840	48.921	ug/l	96
49) 1,4-Dioxane	7.71	88	81137	941.220	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1161331	250.188	ug/l	99
52) Toluene	8.77	92	380939	50.922	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	236338	47.159	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	250669	47.888	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	152472	51.804	ug/l	99
56) Ethyl methacrylate	9.16	69	251249	52.296	ug/l	95
57) 1,3-Dichloropropane	9.35	76	264664	51.534	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	633078	247.518	ug/l	100
59) 2-Hexanone	9.48	43	897583	246.227	ug/l	98
60) Dibromochloromethane	9.57	129	172247	53.137	ug/l	99
61) 1,2-Dibromoethane	9.65	107	161684	50.715	ug/l	98
64) Tetrachloroethene	9.32	164	216886	44.922	ug/l	98
65) Chlorobenzene	10.12	112	407473	49.481	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	156035	51.265	ug/l	99
67) Ethyl Benzene	10.24	91	724037	49.277	ug/l	100
68) m/p-Xylenes	10.34	106	548449	99.628	ug/l	99
69) o-Xylene	10.68	106	264350	49.957	ug/l	99
70) Styrene	10.70	104	462359	51.504	ug/l	99
71) Bromoform	10.84	173	131541	53.045	ug/l #	99
73) Isopropylbenzene	11.00	105	702182	47.429	ug/l	99
74) N-amyl acetate	10.88	43	316211	45.790	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	181538	60.764	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	221353m	47.923	ug/l	
77) Bromobenzene	11.24	156	182672	47.803	ug/l	99
78) n-propylbenzene	11.35	91	805499	46.768	ug/l	100
79) 2-Chlorotoluene	11.40	91	486608	47.865	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	595700	47.655	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	82268	42.445	ug/l	97
82) 4-Chlorotoluene	11.49	91	575138	47.907	ug/l	100
83) tert-Butylbenzene	11.76	119	520074	48.278	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	610423	48.302	ug/l	99
85) sec-Butylbenzene	11.93	105	662533	45.551	ug/l	99
86) p-Isopropyltoluene	12.05	119	619864	45.901	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	317101	46.215	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	326741	46.918	ug/l	99
89) n-Butylbenzene	12.37	91	521607	42.280	ug/l	99
90) Hexachloroethane	12.58	117	110507	47.648	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	315947	47.821	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	55647	45.711	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\
Data File : VX016217.D
Acq On : 14 May 2020 06:33
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

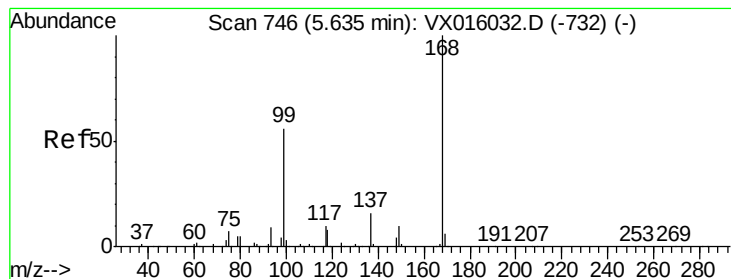
Manual Integrations
APPROVED

MMDadoda
5/14/2020 12:16:06 PM

Quant Time: May 14 08:05:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	215849	44.128	ug/l	98
94) Hexachlorobutadiene	13.77	225	79026	37.650	ug/l	98
95) Naphthalene	13.82	128	755751	47.716	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	220531	46.132	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 251977

Ion Ratio Lower Upper

168 100

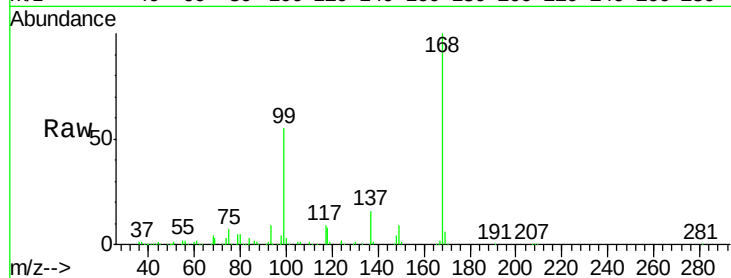
99 55.1 45.0 67.4

Manual Integrations

APPROVED

MMDadoda

5/14/2020 12:16:06 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

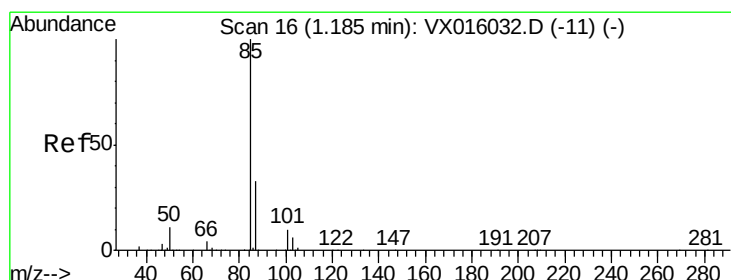
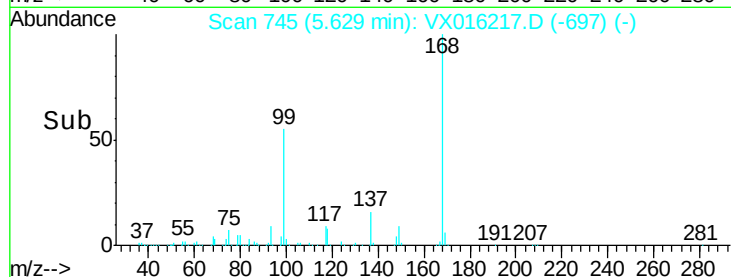
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.809 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016217.D

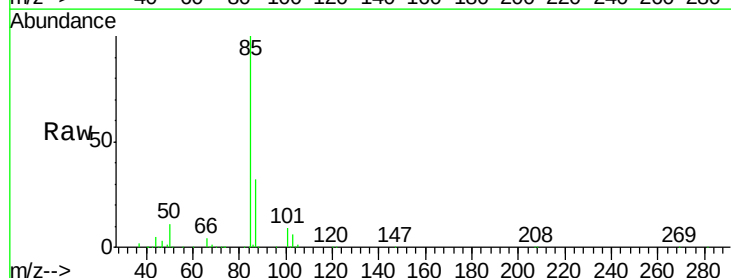
Acq: 14 May 2020 06:33

Tgt Ion: 85 Resp: 138181

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

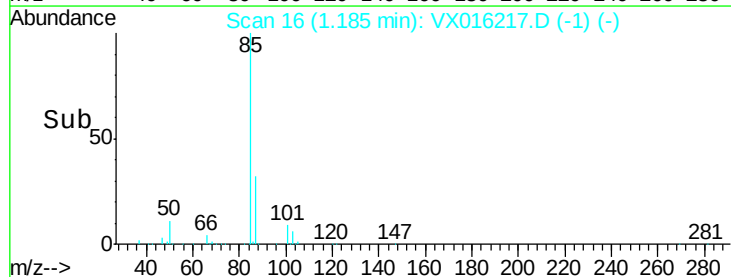
150000

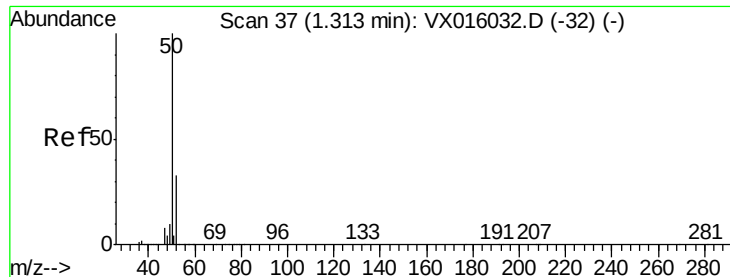
100000

50000

0

Time-->





#3

Chloromethane

Concen: 49.097 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 152074

Ion Ratio Lower Upper

50 100

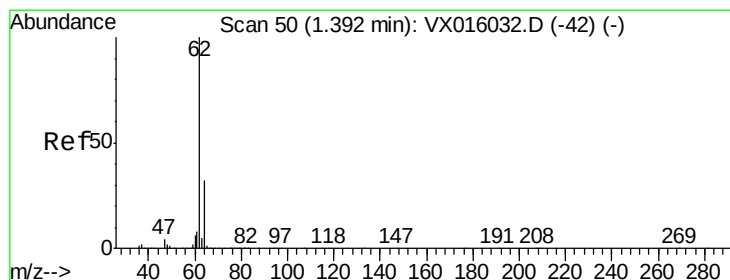
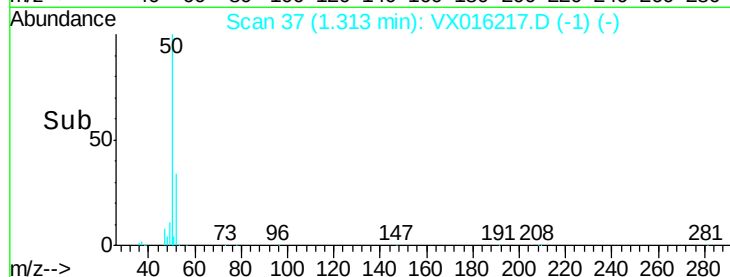
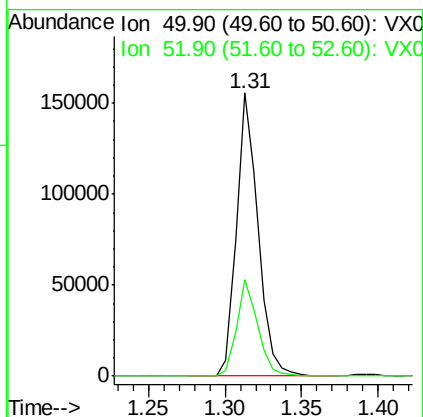
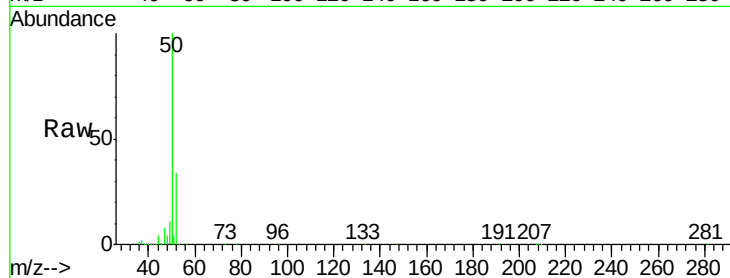
52 34.0 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

5/14/2020 12:16:06 PM



#4

Vinyl Chloride

Concen: 49.424 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016217.D

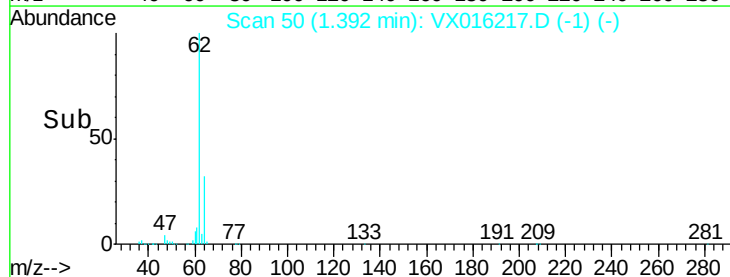
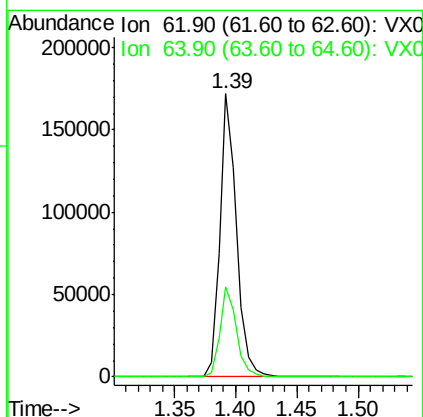
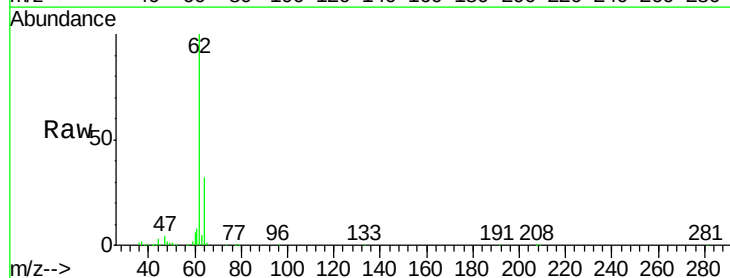
Acq: 14 May 2020 06:33

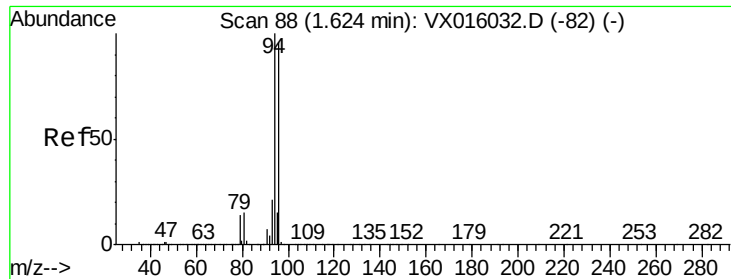
Tgt Ion: 62 Resp: 163327

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5





#5

Bromomethane

Concen: 43.961 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 73240

Ion Ratio Lower Upper

94 100

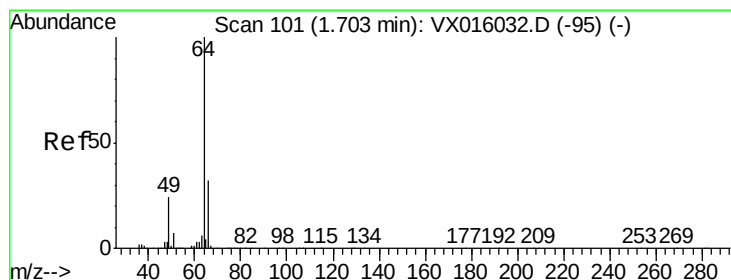
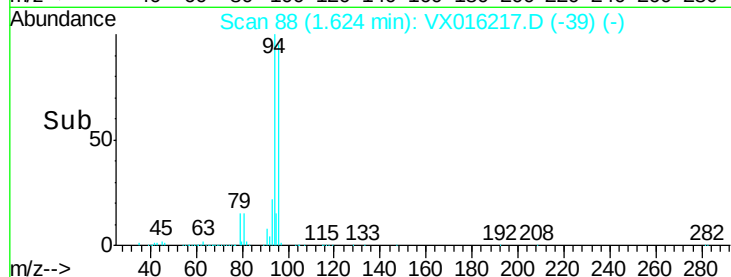
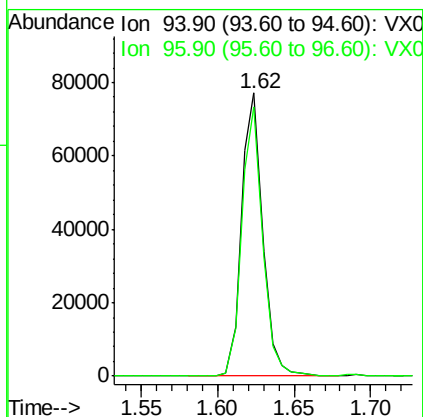
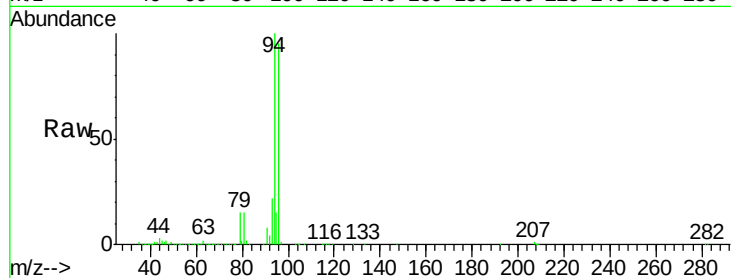
96 95.1 76.9 115.3

Manual Integrations

APPROVED

MMDadoda

5/14/2020 12:16:06 PM



#6

Chloroethane

Concen: 48.988 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016217.D

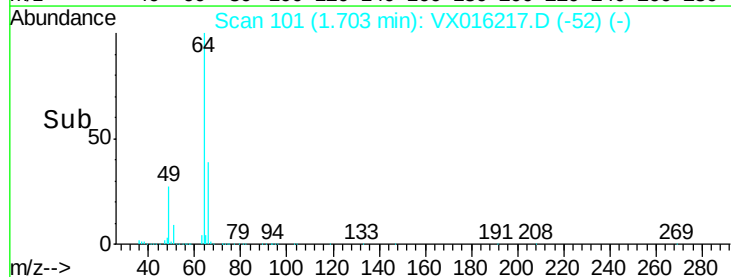
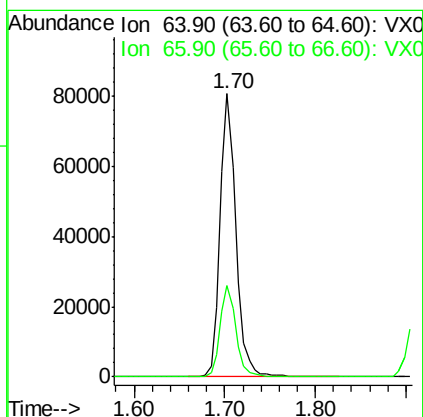
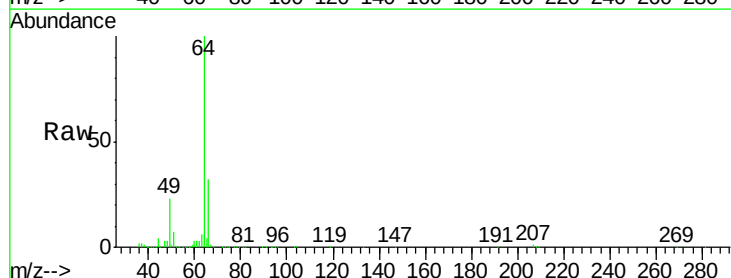
Acq: 14 May 2020 06:33

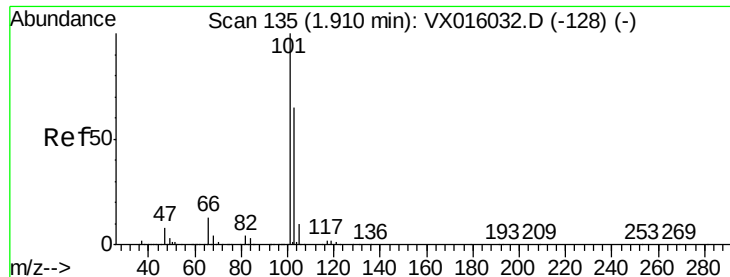
Tgt Ion: 64 Resp: 98499

Ion Ratio Lower Upper

64 100

66 32.4 25.2 37.8





#7

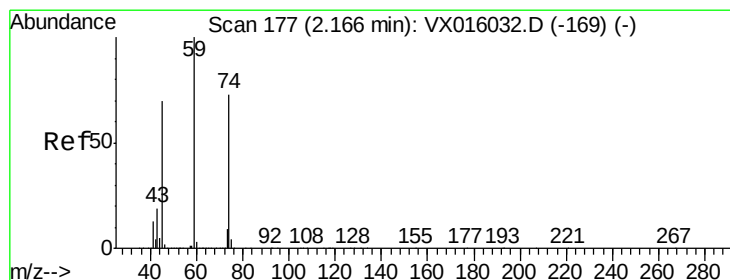
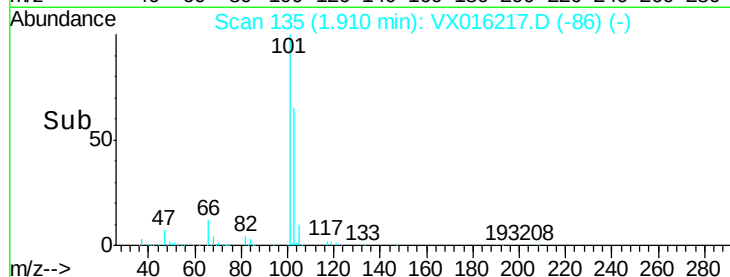
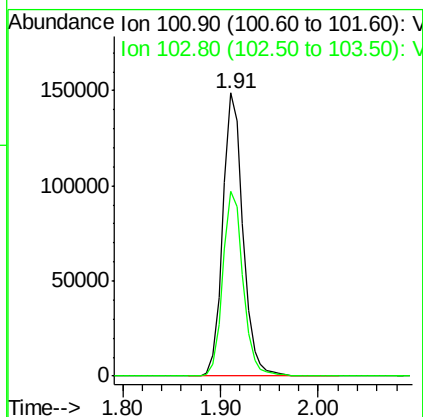
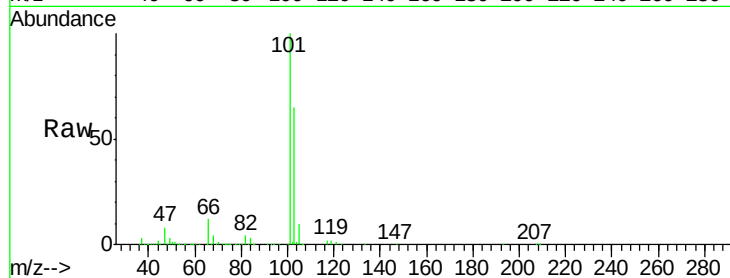
Trichlorofluoromethane
Concen: 49.080 ug/l
RT: 1.91 min Scan# 135
Delta R.T. 0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.8	77.6

Manual Integrations
APPROVED

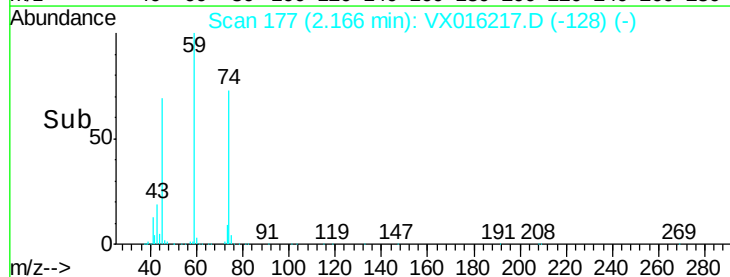
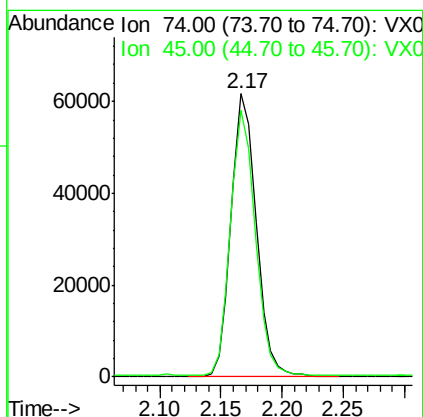
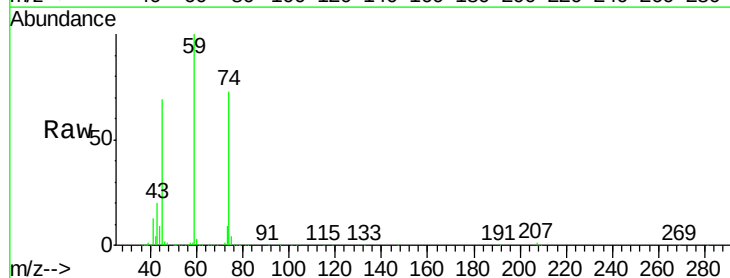
MMDadoda
5/14/2020 12:16:06 PM

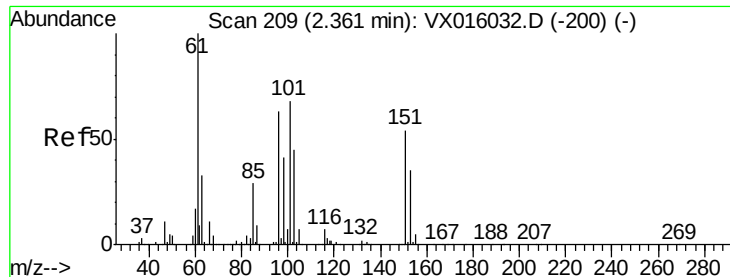


#8

Diethyl Ether
Concen: 48.165 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.2	47.3	142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.470 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

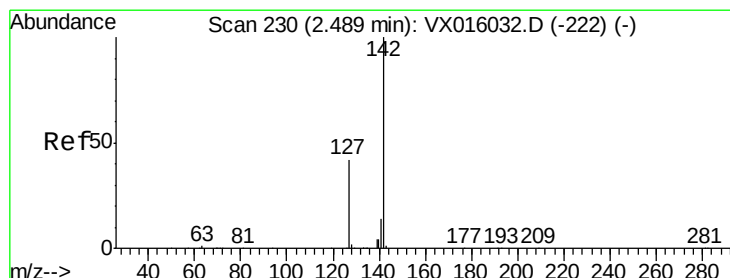
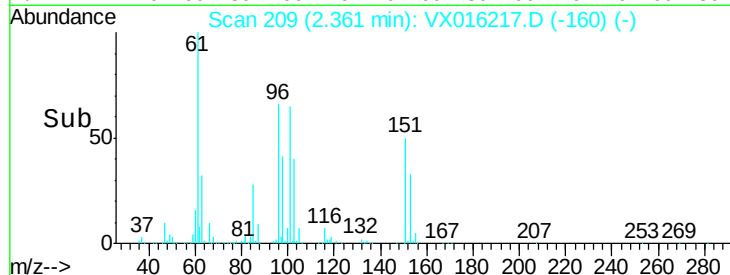
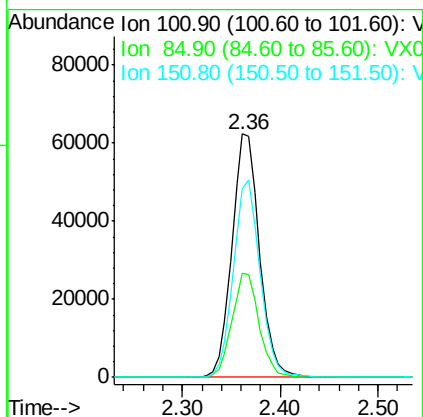
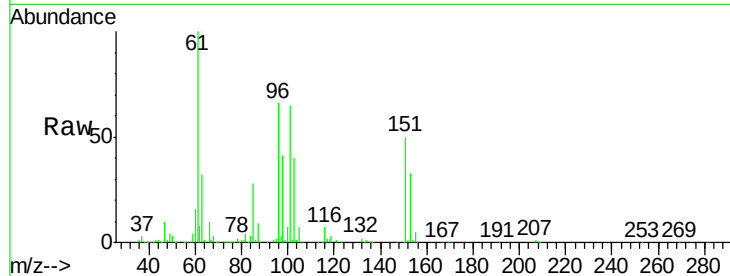
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	121322
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.4
151	79.1	62.1	93.1

Manual Integrations
APPROVED

MMDadoda
5/14/2020 12:16:06 PM



#10

Methyl Iodide

Concen: 39.233 ug/l

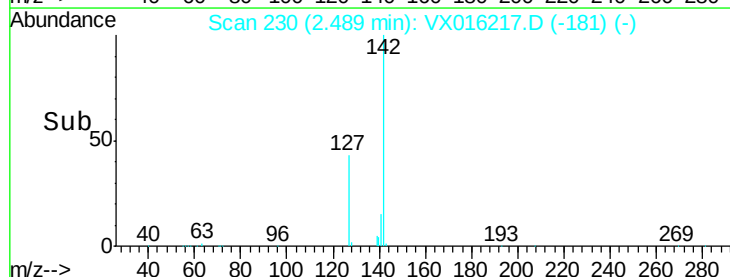
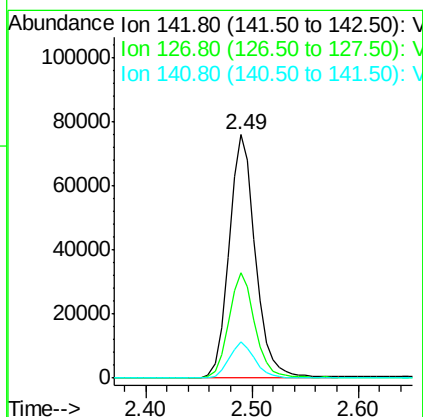
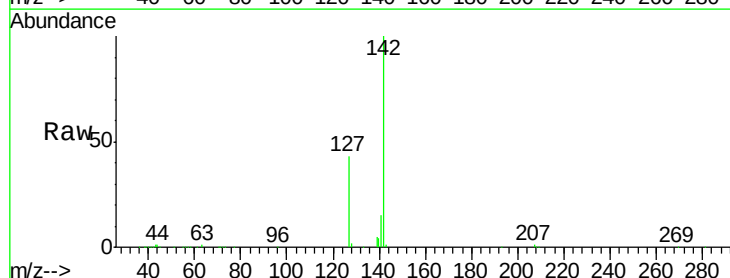
RT: 2.49 min Scan# 230

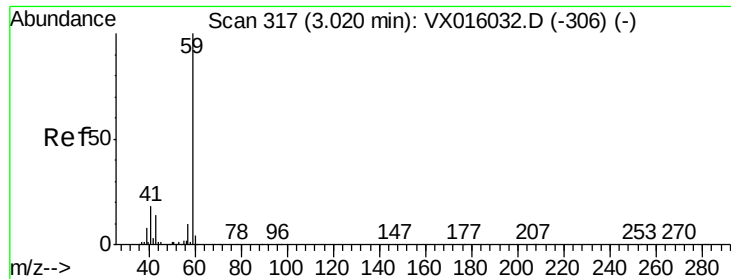
Delta R.T. 0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Tgt Ion:	142	Resp:	131908
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.6	52.0
141	14.5	11.3	16.9





#11

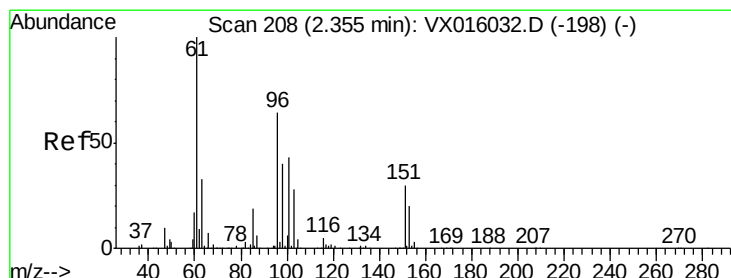
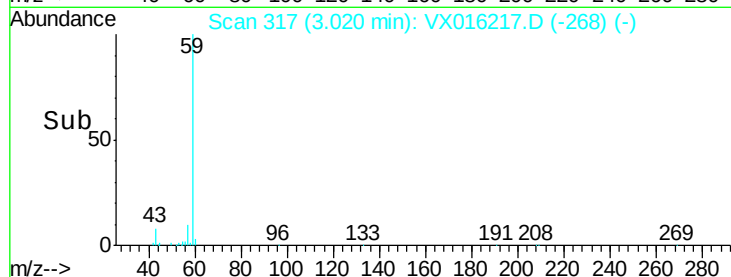
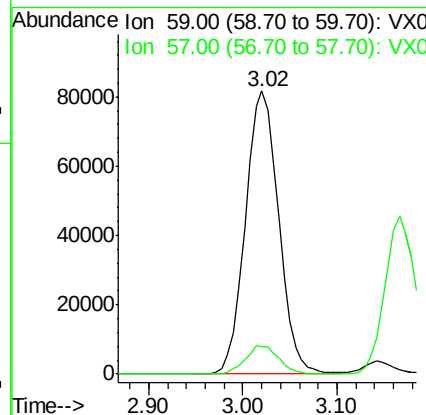
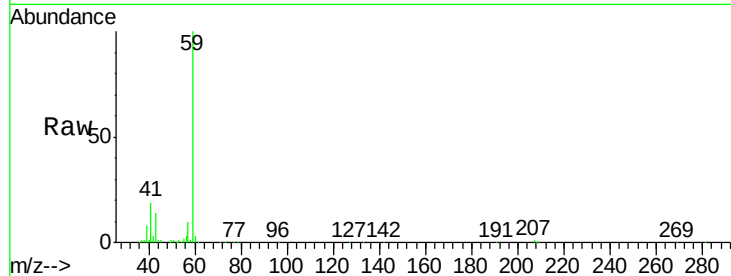
Tert butyl alcohol
Concen: 239.944 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

Manual Integrations
APPROVED

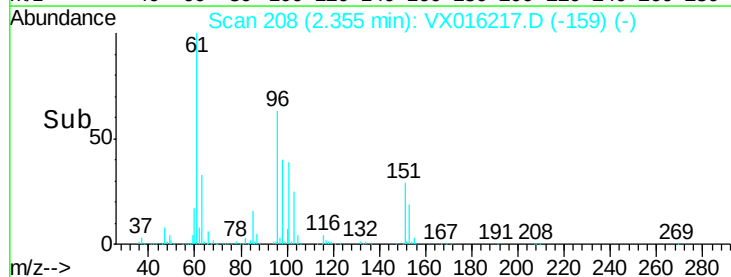
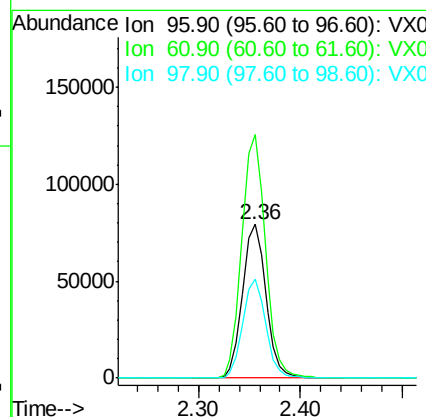
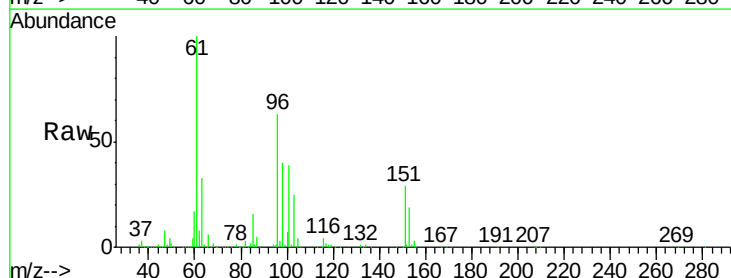
MMDadoda
5/14/2020 12:16:06 PM

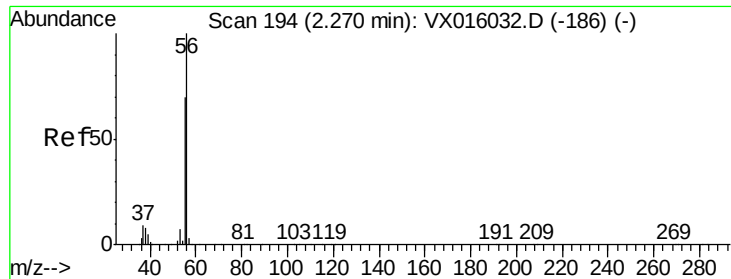


#12

1,1-Dichloroethene
Concen: 48.125 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.6	124.8	187.2
98	64.1	49.7	74.5





#13

Acrolein

Concen: 218.689 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 114743

Ion Ratio Lower Upper

56 100

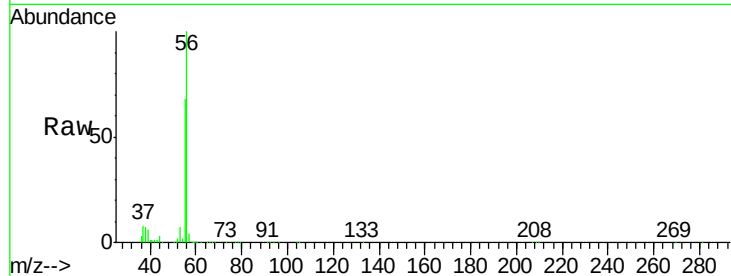
55 69.4 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

5/14/2020 12:16:06 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.27

80000

60000

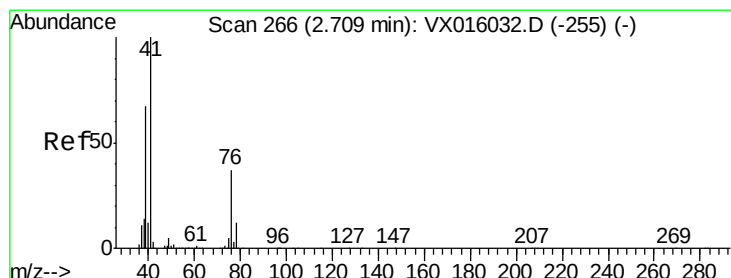
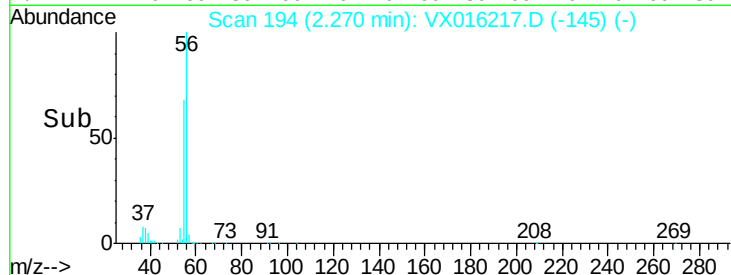
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 46.724 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

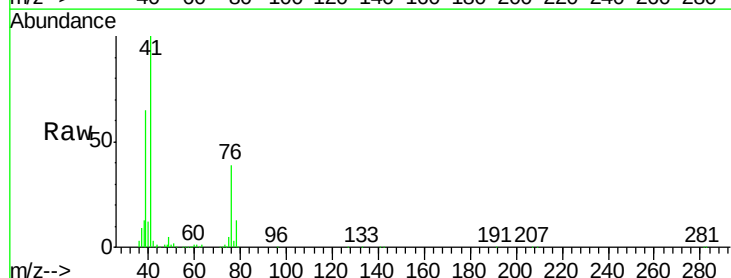
Tgt Ion: 41 Resp: 224402

Ion Ratio Lower Upper

41 100

39 59.3 50.5 75.7

76 34.5 26.6 40.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

250000

200000

150000

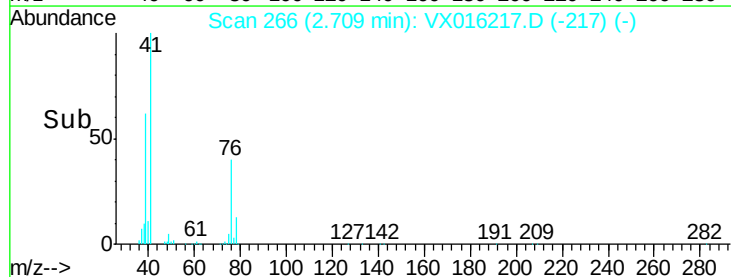
100000

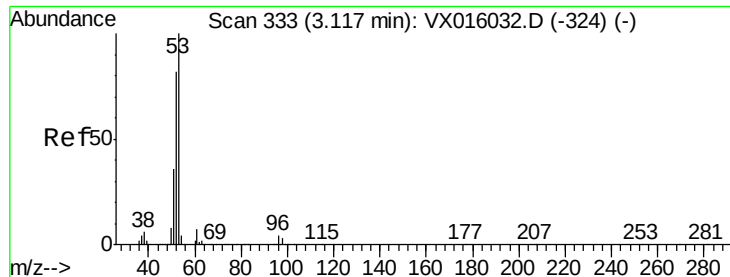
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 252.131 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

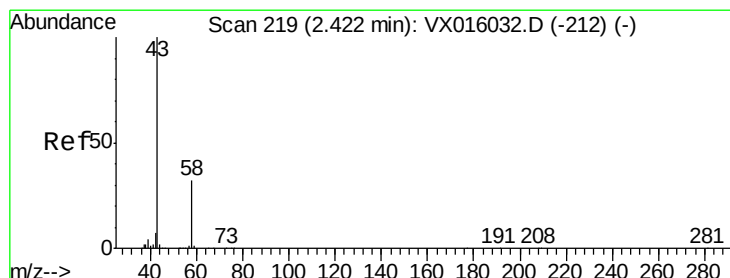
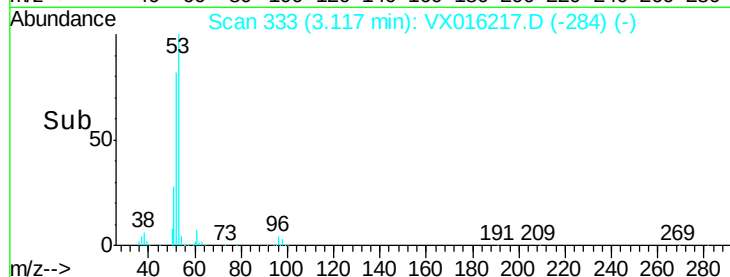
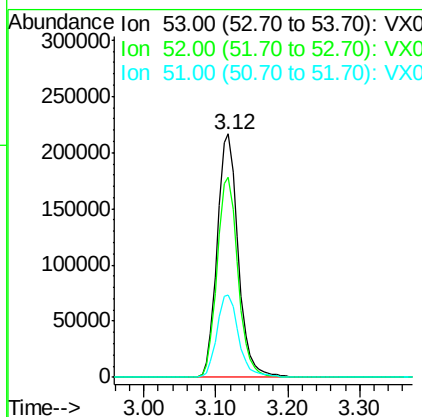
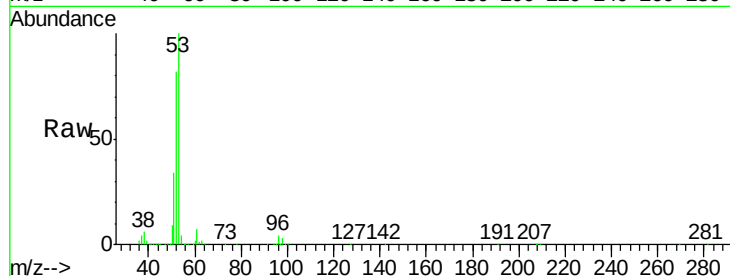
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	438560
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.1	99.1
51	35.0	28.8	43.2

Manual Integrations
APPROVED

MMDadoda
5/14/2020 12:16:06 PM



#16

Acetone

Concen: 236.831 ug/l

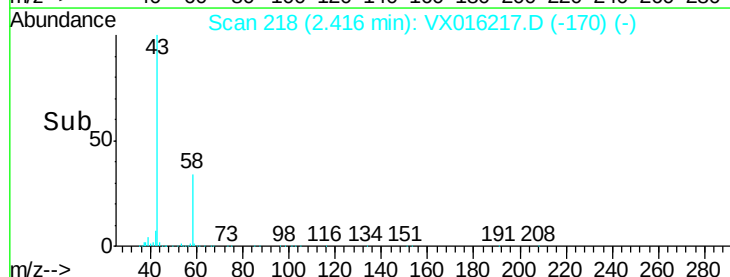
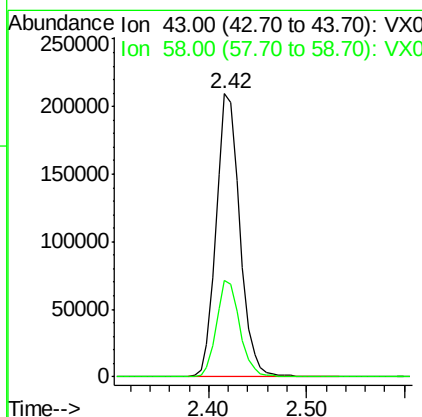
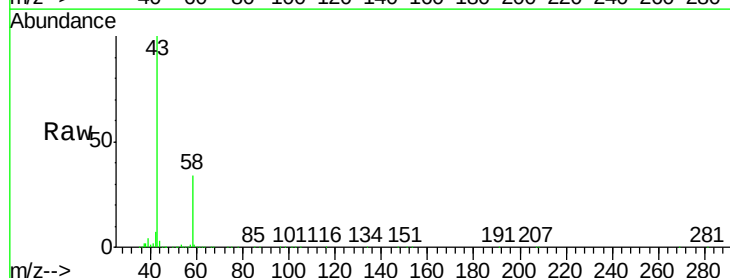
RT: 2.42 min Scan# 218

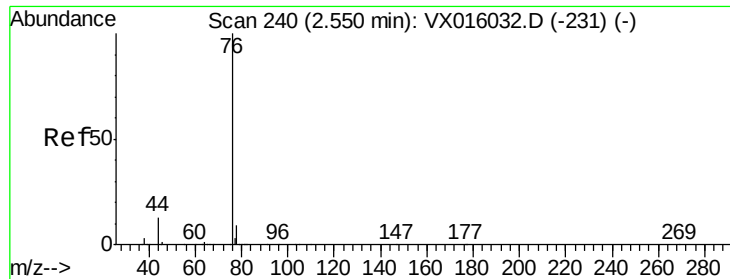
Delta R.T. -0.01 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Tgt Ion:	43	Resp:	350382
Ion	Ratio	Lower	Upper
43	100		
58	34.3	25.4	38.0





#17

Carbon Disulfide

Concen: 46.440 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 365411

Ion Ratio Lower Upper

76 100

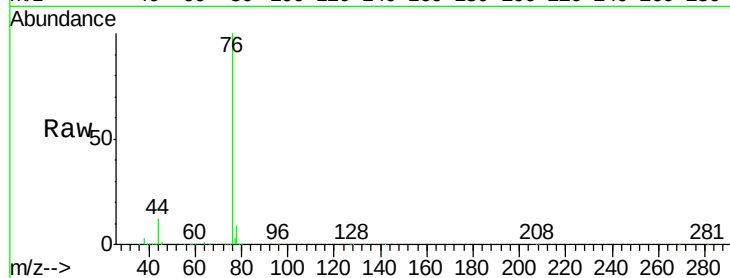
78 9.3 7.5 11.3

Manual Integrations

APPROVED

MMDadoda

5/14/2020 12:16:06 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

150000

100000

50000

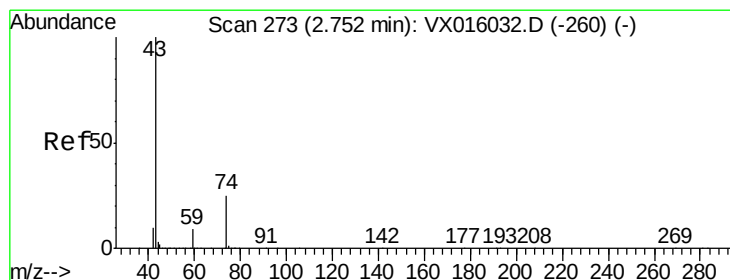
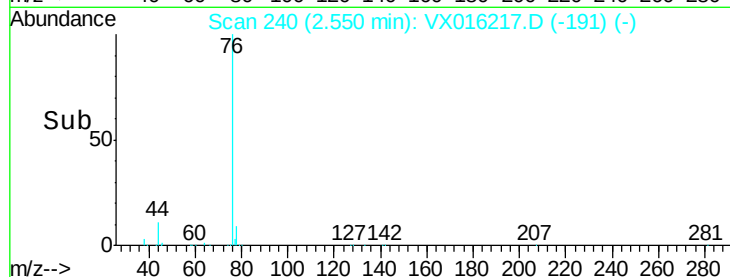
0

2.55

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 52.051 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX016217.D

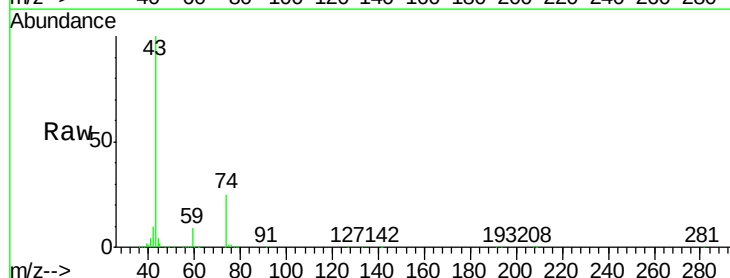
Acq: 14 May 2020 06:33

Tgt Ion: 43 Resp: 189344

Ion Ratio Lower Upper

43 100

74 25.4 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

60000

40000

20000

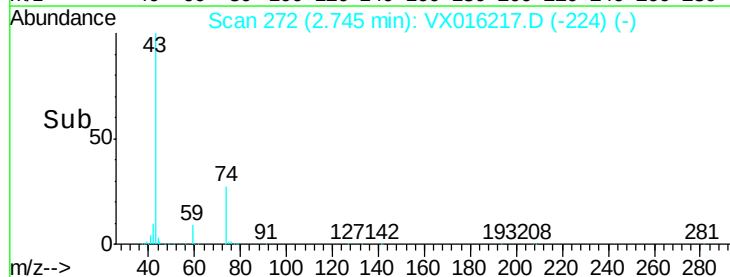
0

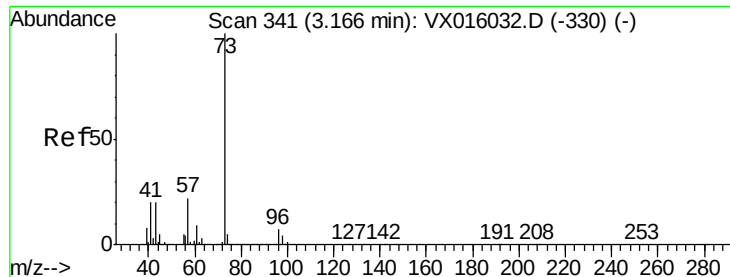
2.75

2.80

2.85

Time-->





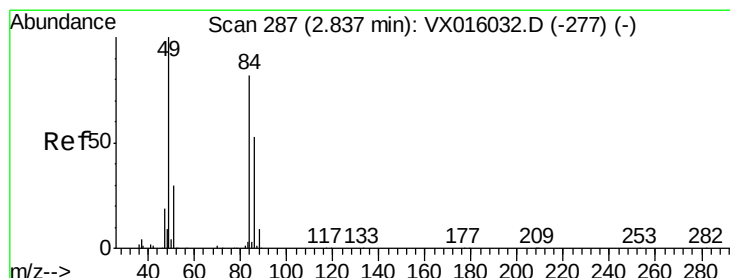
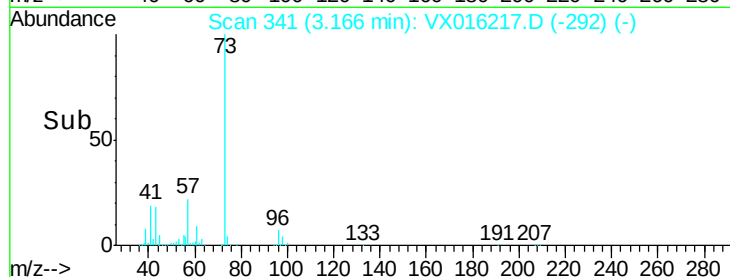
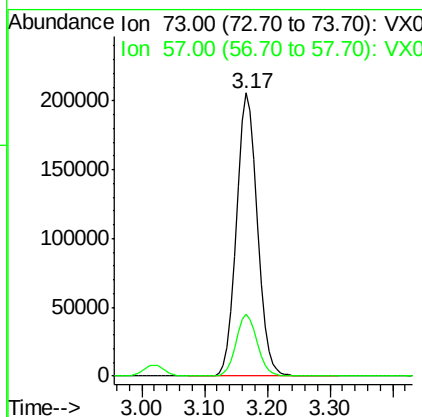
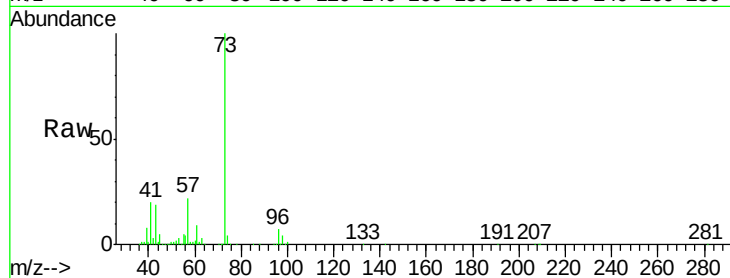
#19
Methyl tert-butyl Ether
Concen: 52.470 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.8	26.6

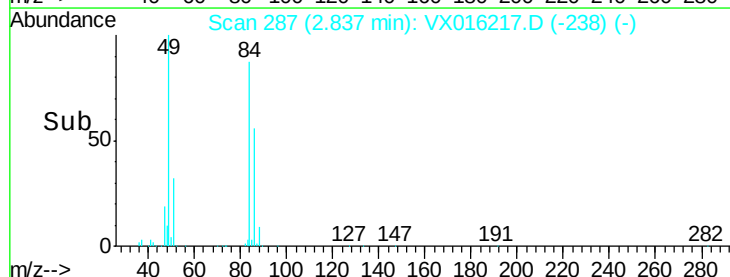
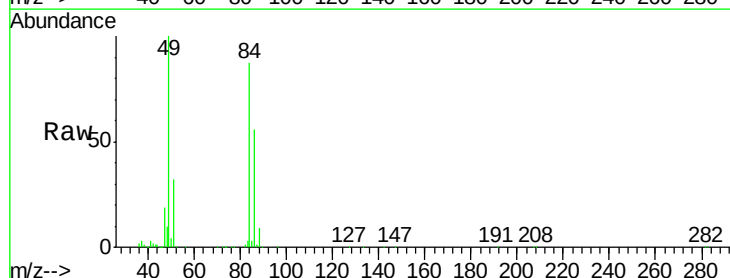
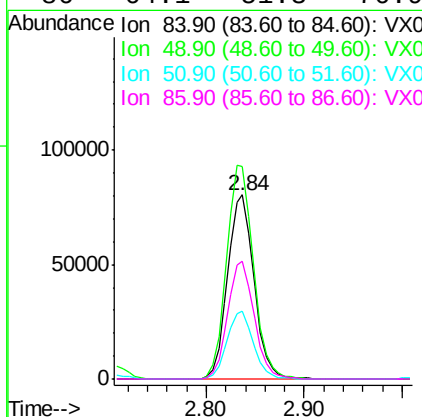
Manual Integrations
APPROVED

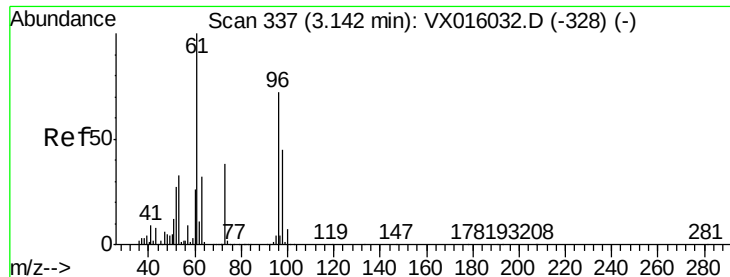
MMDadoda
5/14/2020 12:16:06 PM



#20
Methylene Chloride
Concen: 49.353 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.4	97.3	145.9
51	37.1	29.3	43.9
86	64.1	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 49.084 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

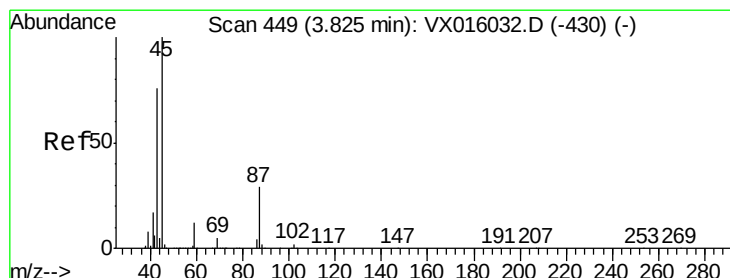
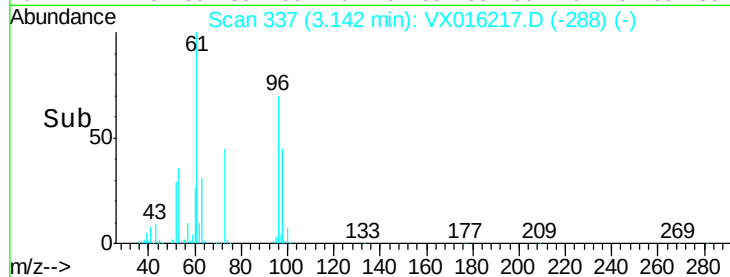
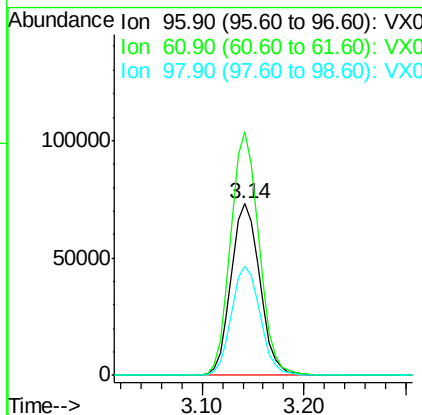
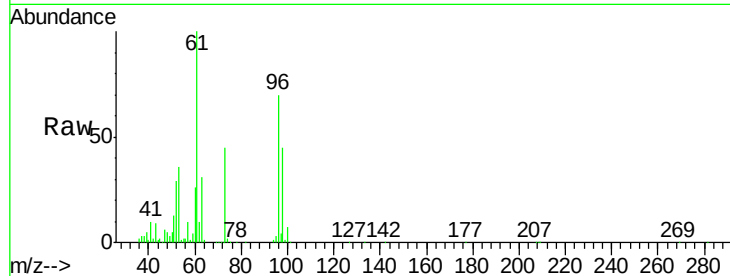
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	143271
Ion	Ratio	Lower	Upper
96	100		
61	141.8	111.2	166.8
98	64.0	50.2	75.4

Manual Integrations
APPROVED

MMDadoda
5/14/2020 12:16:06 PM



#22

Diisopropyl ether

Concen: 51.012 ug/l

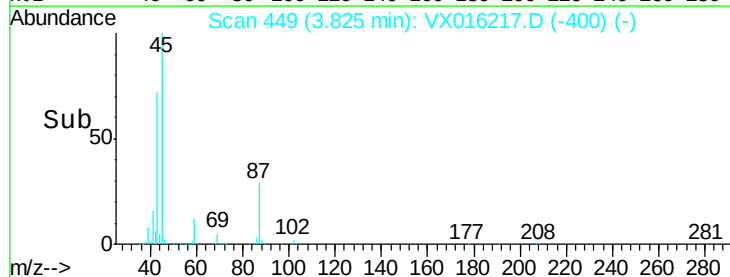
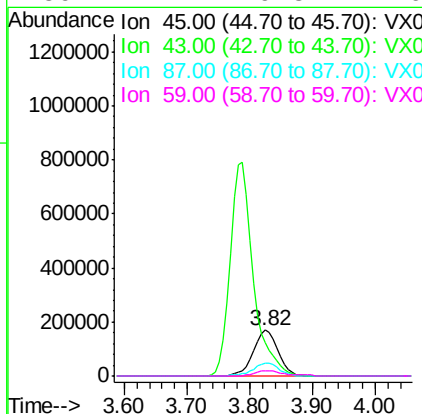
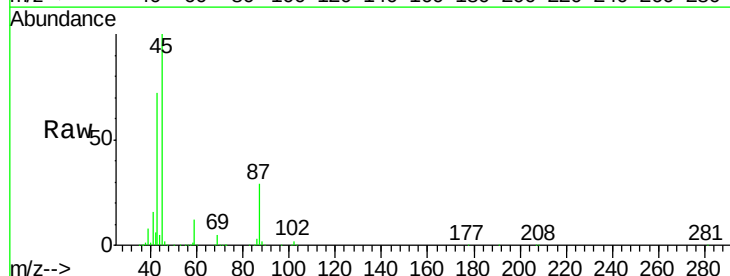
RT: 3.82 min Scan# 449

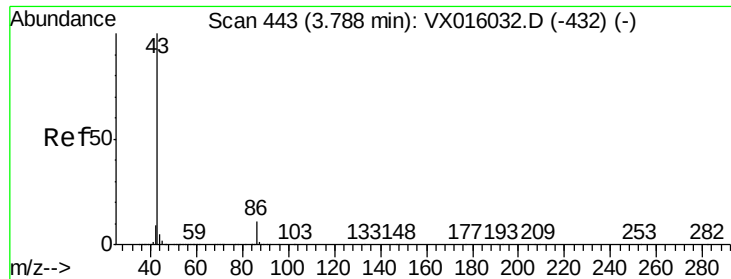
Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Tgt Ion:	45	Resp:	462192
Ion	Ratio	Lower	Upper
45	100		
43	72.1	61.1	91.7
87	28.5	23.0	34.6
59	12.1	9.8	14.6





#23

Vinyl Acetate

Concen: 253.595 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Tot Ion: 43 Resp: 2021487

Ion Ratio Lower Upper

43 100

86 11.5 9.0 13.4

Instrument :

MSVOA_X

ClientSampleId :

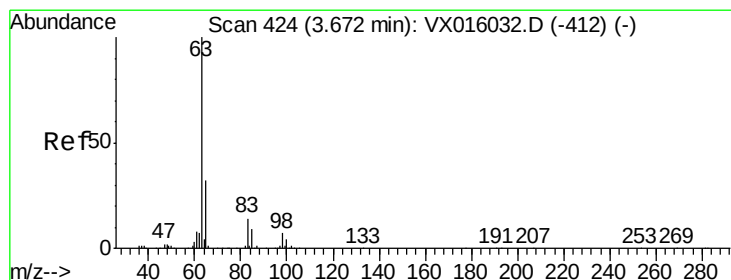
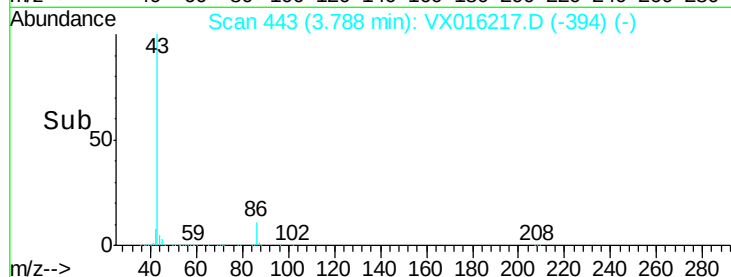
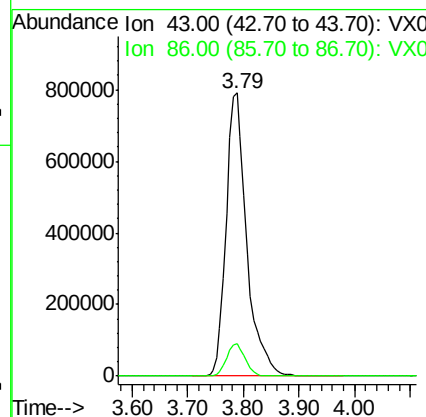
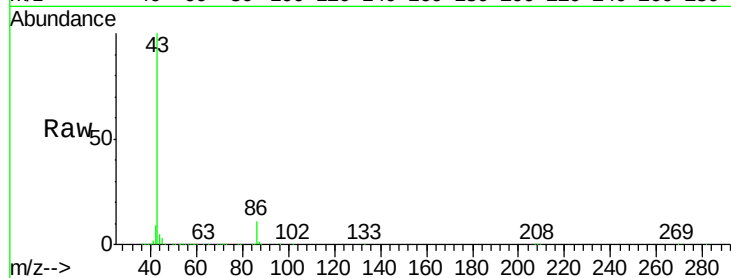
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

5/14/2020 12:16:06 PM



#24

1,1-Dichloroethane

Concen: 51.849 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

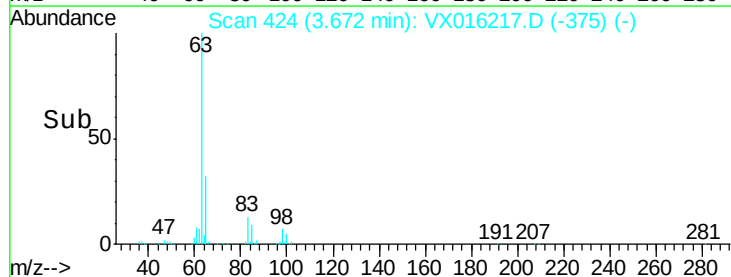
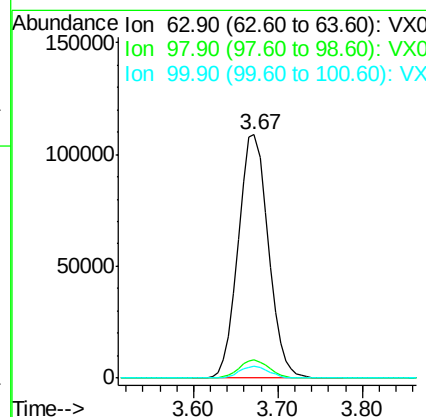
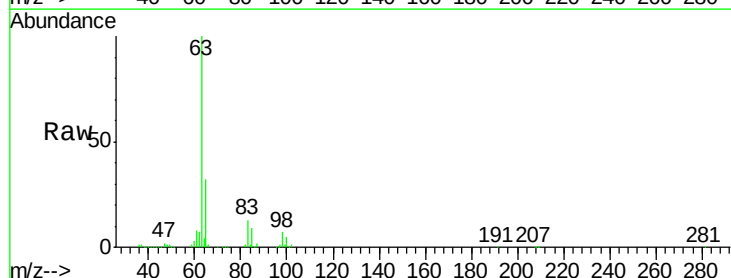
Tgt Ion: 63 Resp: 262795

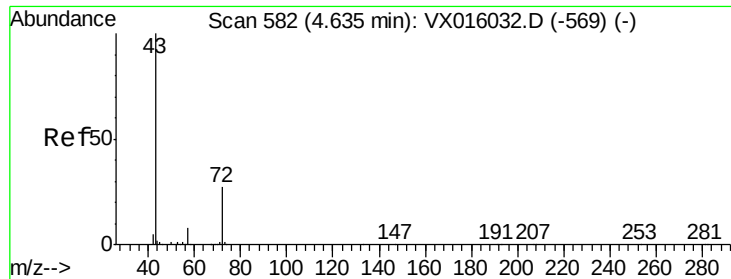
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

100 5.1 2.1 6.5





#25

2-Butanone

Concen: 250.440 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 597052

Ion Ratio Lower Upper

43 100

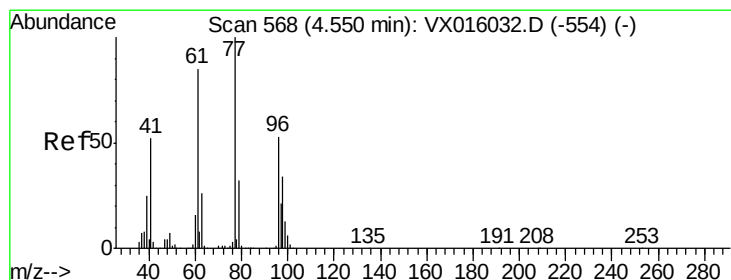
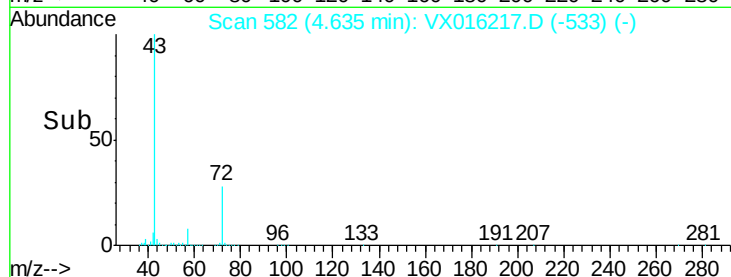
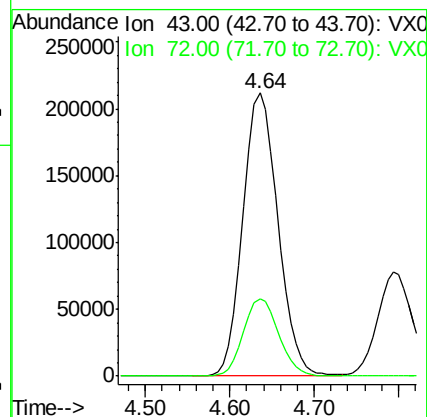
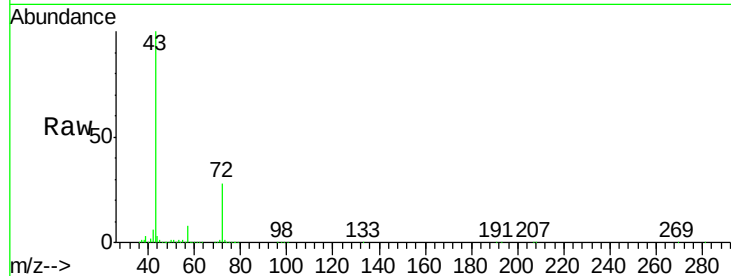
72 27.5 21.8 32.8

Manual Integrations

APPROVED

MMDadoda

5/14/2020 12:16:06 PM



#26

2,2-Dichloropropane

Concen: 34.727 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016217.D

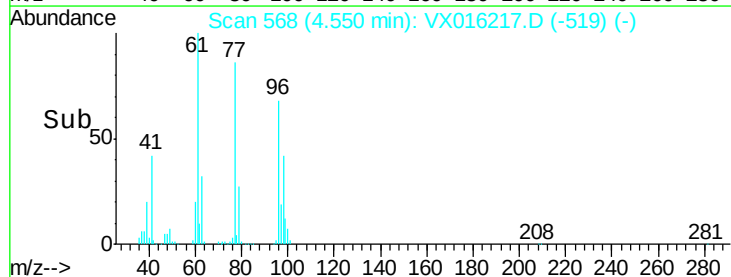
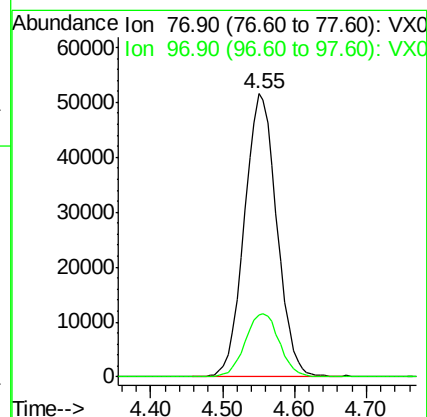
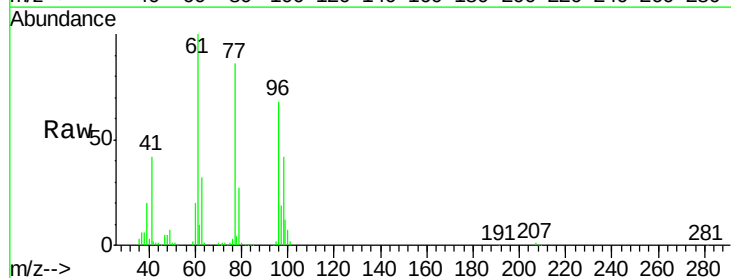
Acq: 14 May 2020 06:33

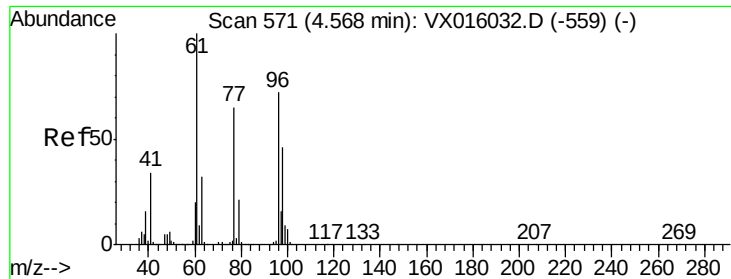
Tgt Ion: 77 Resp: 160742

Ion Ratio Lower Upper

77 100

97 23.5 11.2 33.6





#27

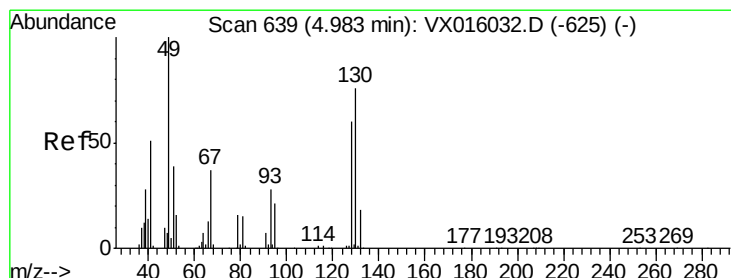
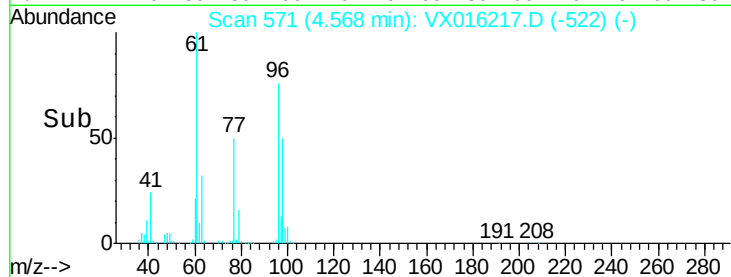
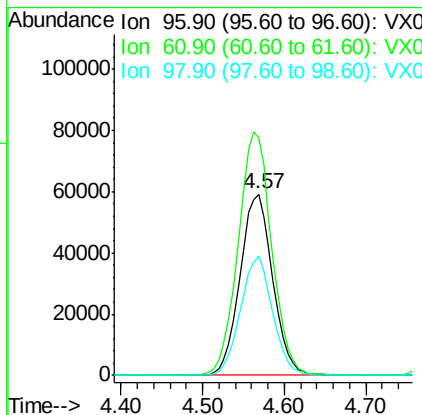
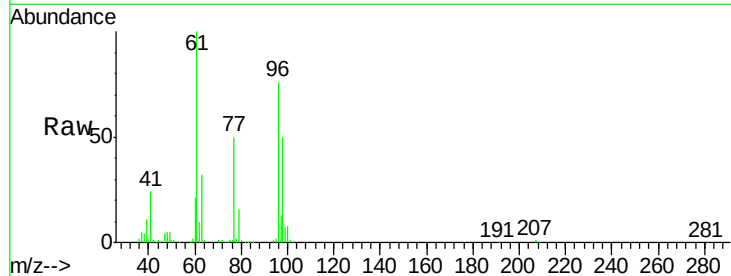
cis-1,2-Dichloroethene
Concen: 51.583 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	164606		
61	138.2	0.0	296.2	
98	64.8	0.0	129.4	

Manual Integrations
APPROVED

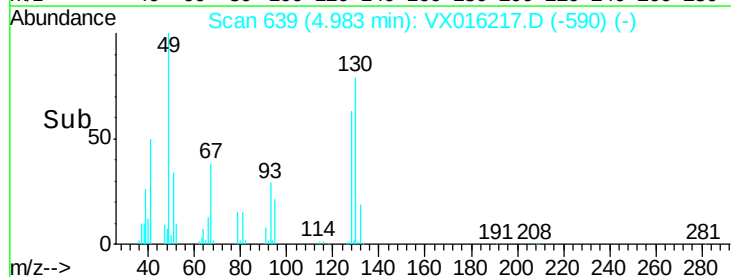
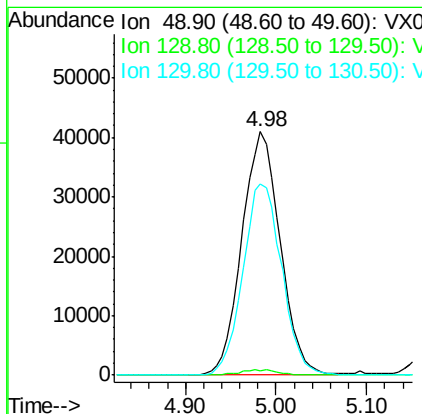
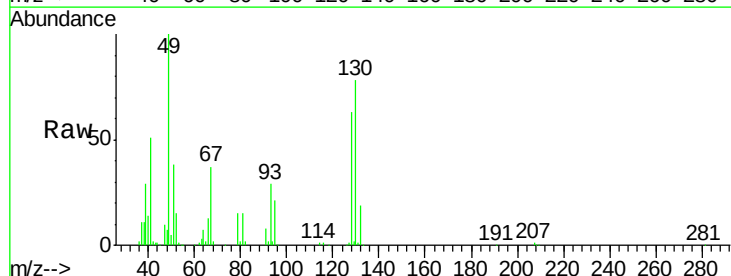
MMDadoda
5/14/2020 12:16:06 PM

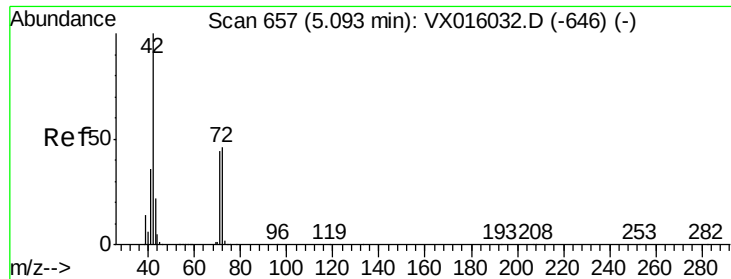


#28

Bromochloromethane
Concen: 51.953 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	120070		
129	2.1	0.0	4.0	
130	79.8	62.4	93.6	





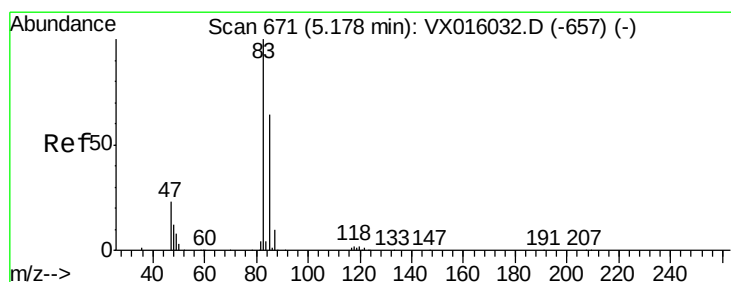
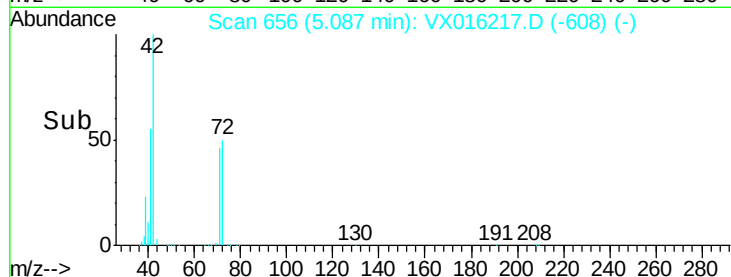
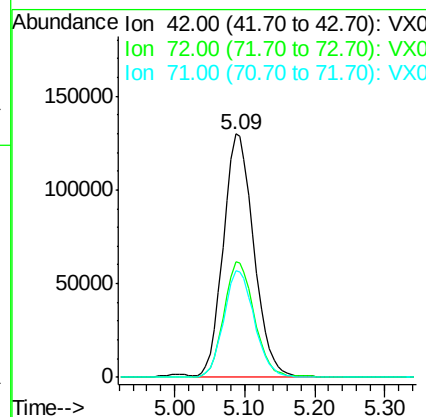
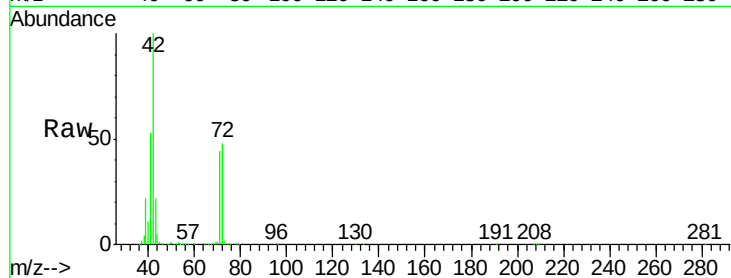
#29
Tetrahydrofuran
Concen: 248.308 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.1	55.7
71	44.1	34.5	51.7

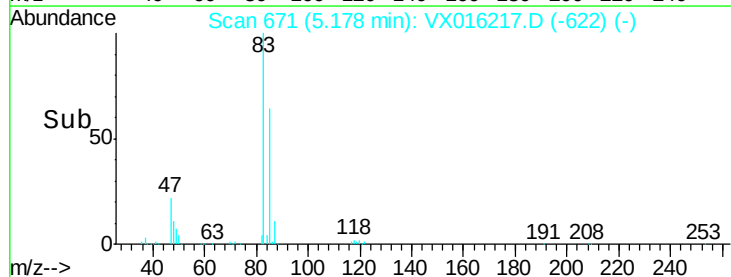
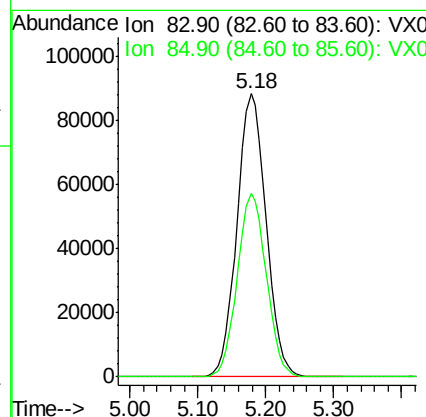
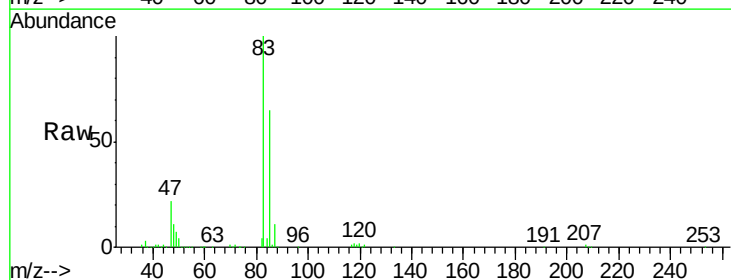
Manual Integrations
APPROVED

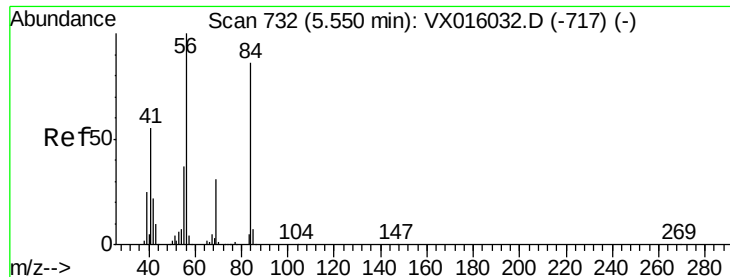
MMDadoda
5/14/2020 12:16:06 PM



#30
Chloroform
Concen: 52.164 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.6	77.4





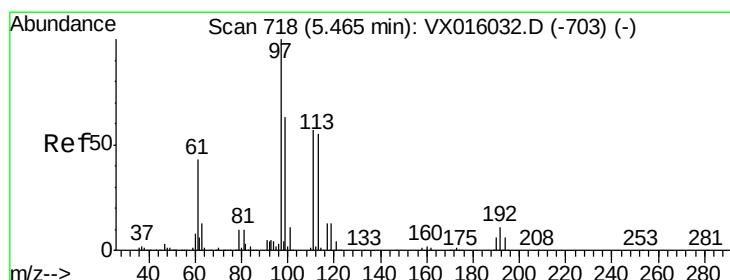
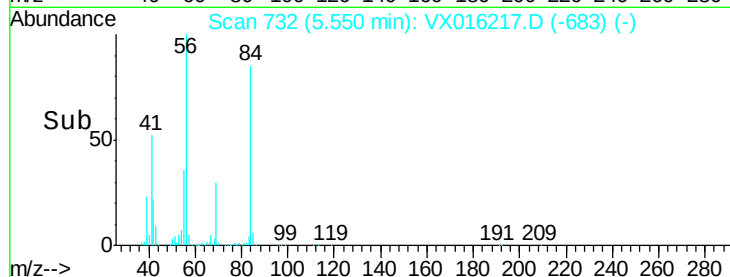
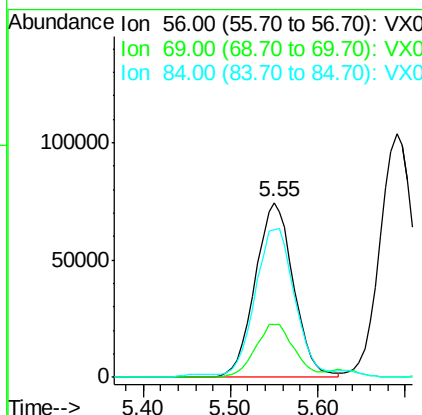
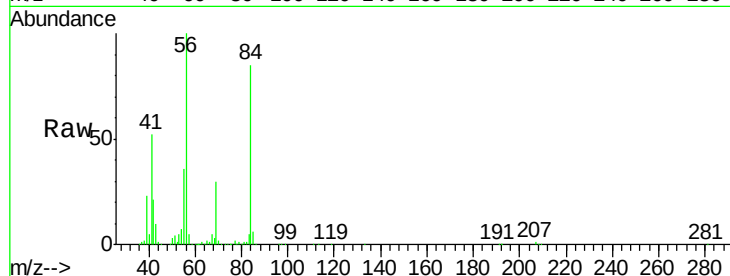
#31
Cyclohexane
Concen: 49.479 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.0	37.6
84	83.4	69.0	103.6

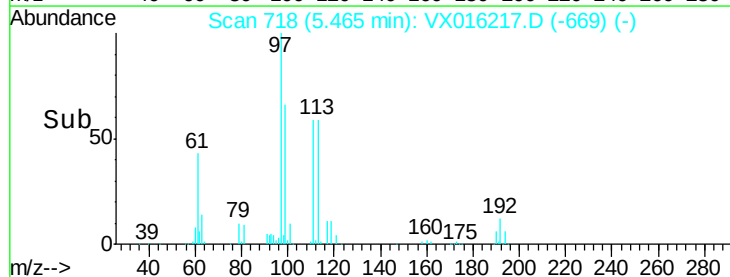
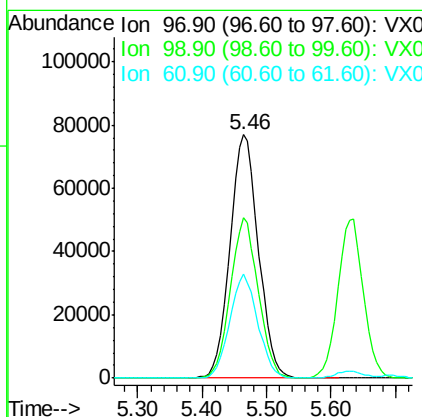
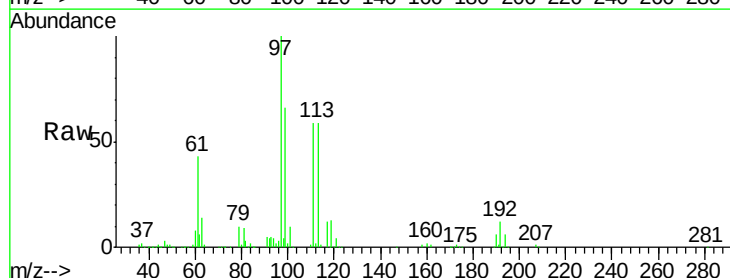
Manual Integrations
APPROVED

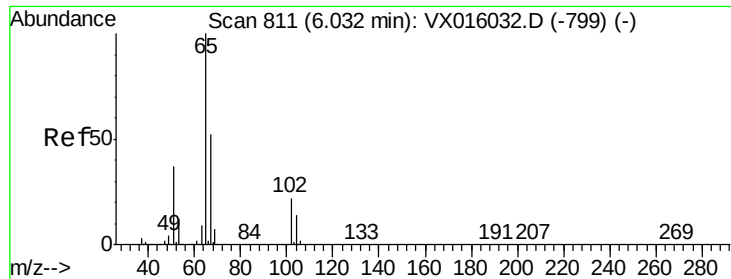
MMDadoda
5/14/2020 12:16:06 PM



#32
1,1,1-Trichloroethane
Concen: 51.490 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	42.4	34.5	51.7





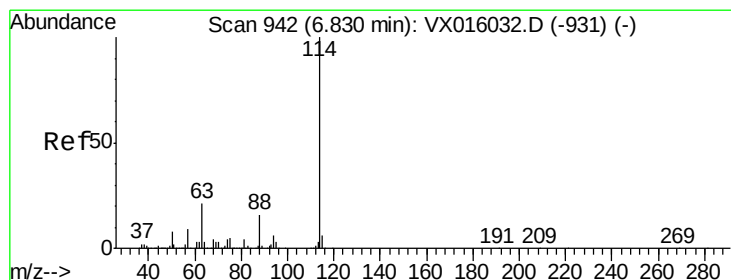
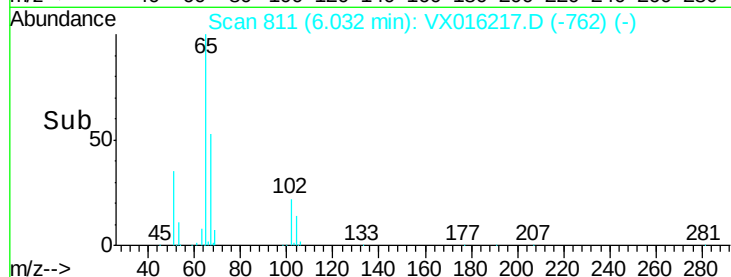
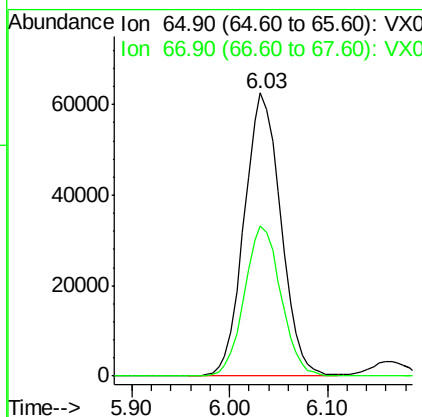
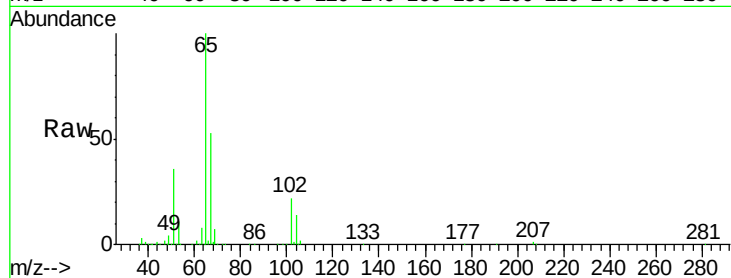
#33
 1,2-Dichloroethane-d4
 Concen: 49.087 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	104.8

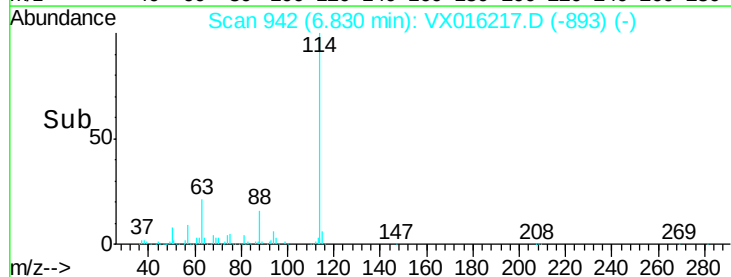
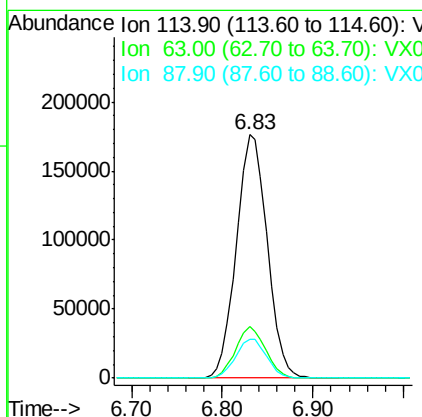
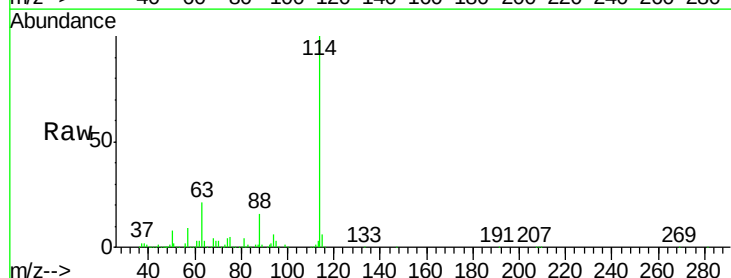
Manual Integrations
 APPROVED

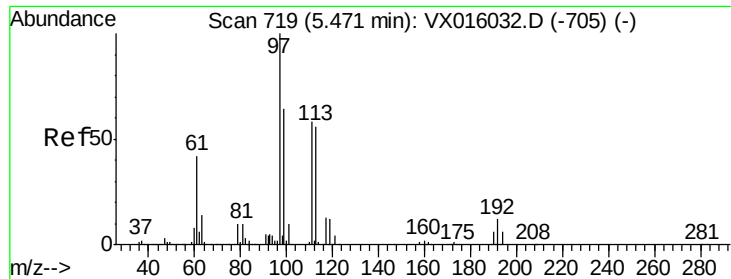
MMDadoda
 5/14/2020 12:16:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	42.8
88	16.1	0.0	31.4





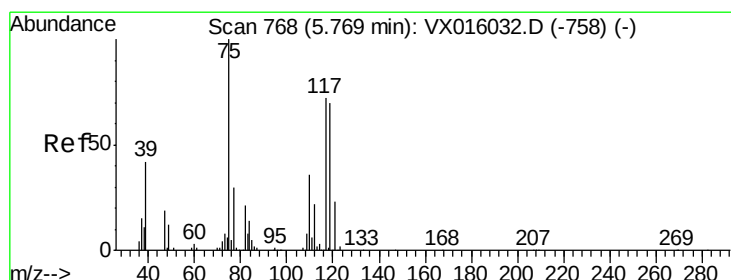
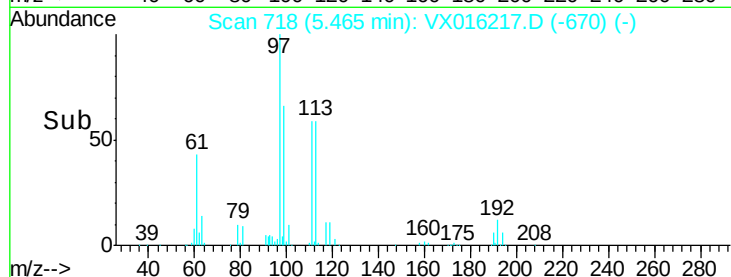
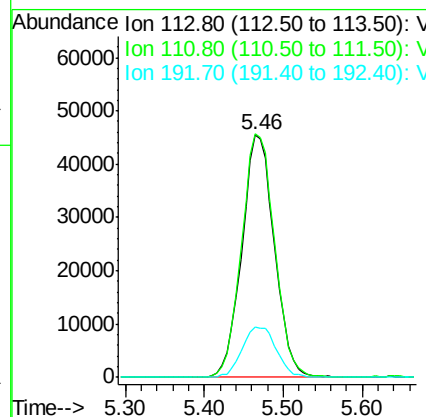
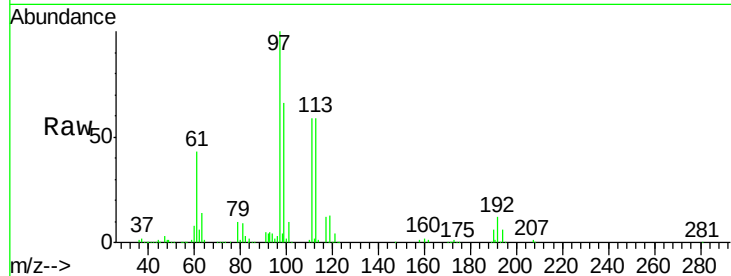
#35
Dibromofluoromethane
Concen: 49.315 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	130191		
111	102.4	81.6	122.4	
192	22.0	17.0	25.4	

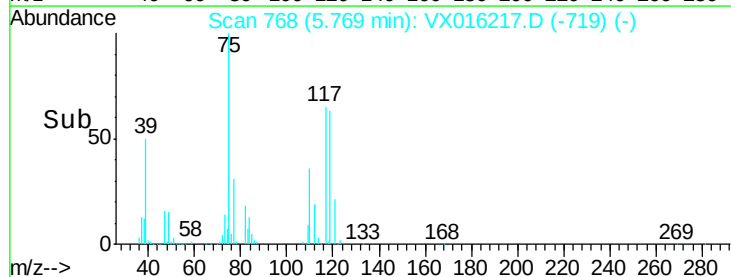
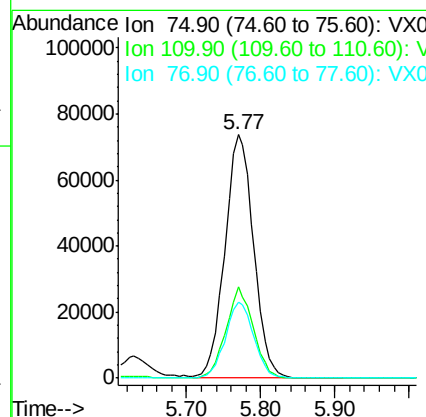
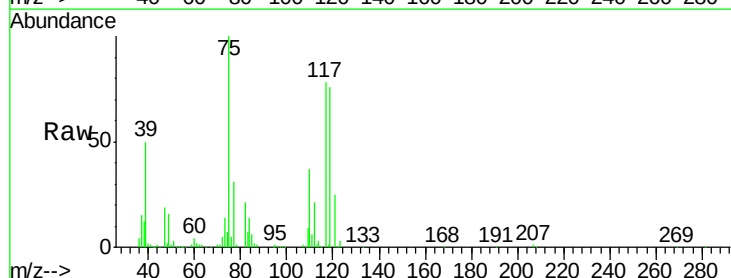
Manual Integrations
APPROVED

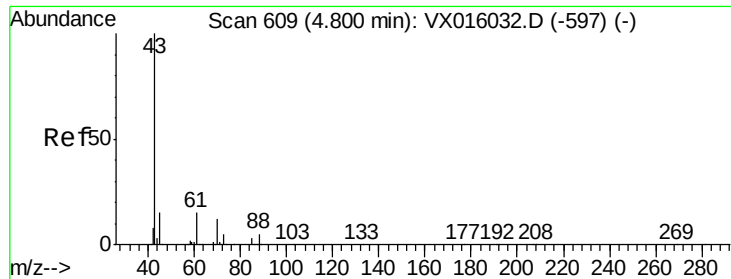
MMDadoda
5/14/2020 12:16:06 PM



#36
1,1-Dichloropropene
Concen: 47.989 ug/l
RT: 5.77 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	196843		
110	35.7	18.1	54.1	
77	31.1	25.0	37.6	





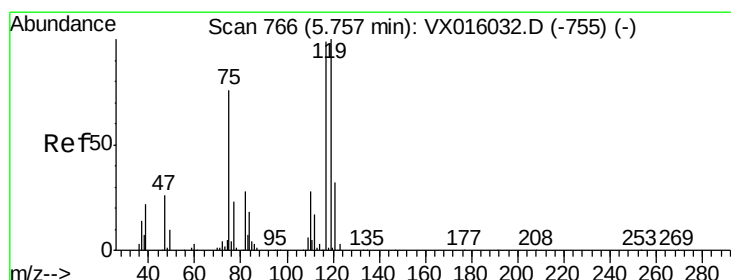
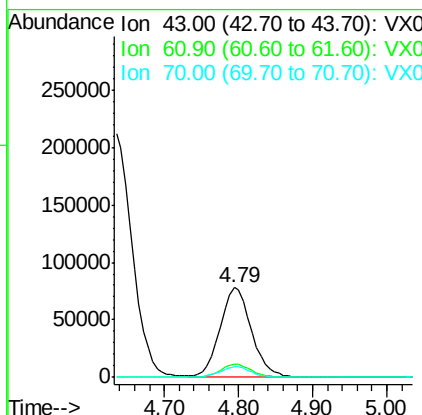
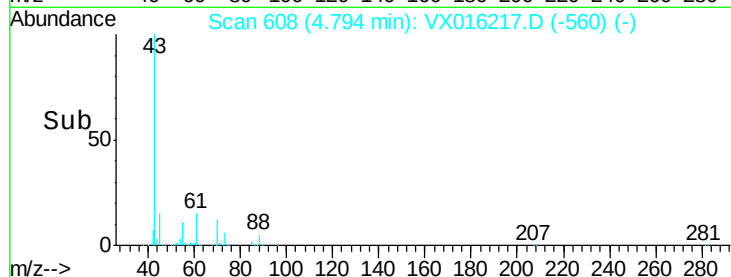
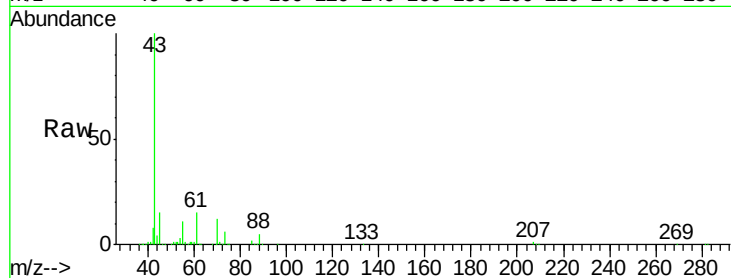
#37
Ethyl Acetate
Concen: 47.794 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	227219
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.7	17.5
70	11.8	9.3	13.9

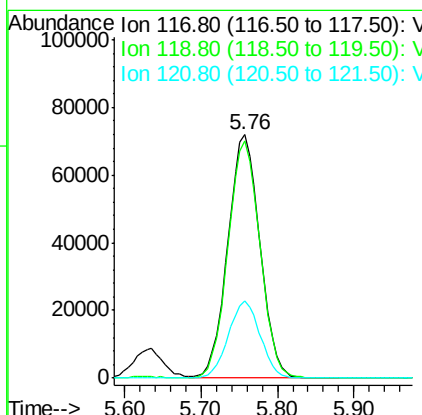
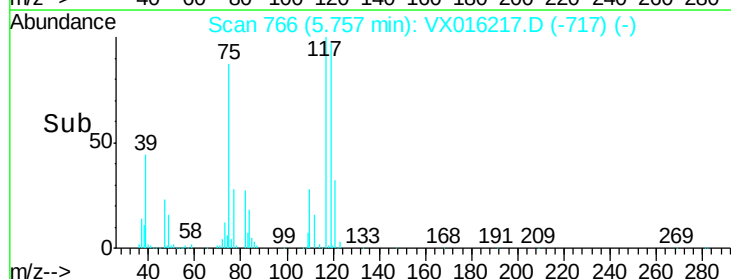
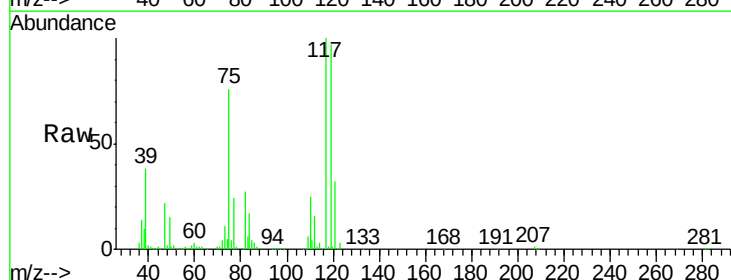
Manual Integrations
APPROVED

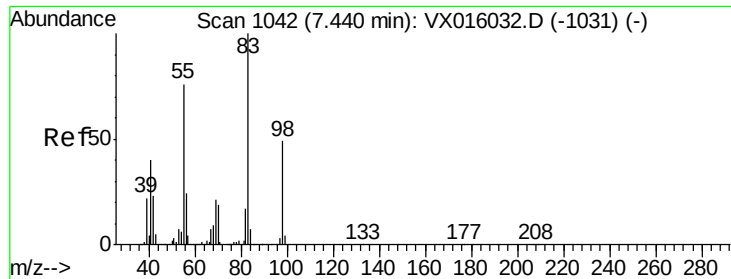
MMDadoda
5/14/2020 12:16:06 PM



#38
Carbon Tetrachloride
Concen: 50.092 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion	117	Resp	208847
Ion	Ratio	Lower	Upper
117	100		
119	97.1	80.3	120.5
121	31.7	25.7	38.5





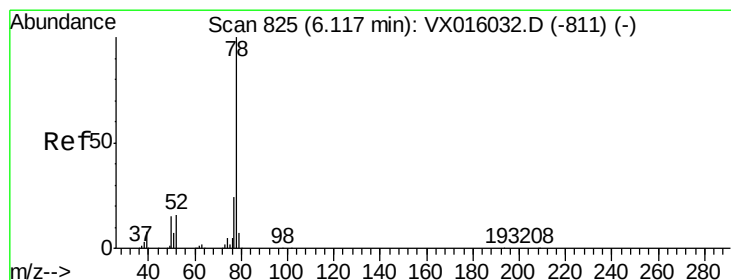
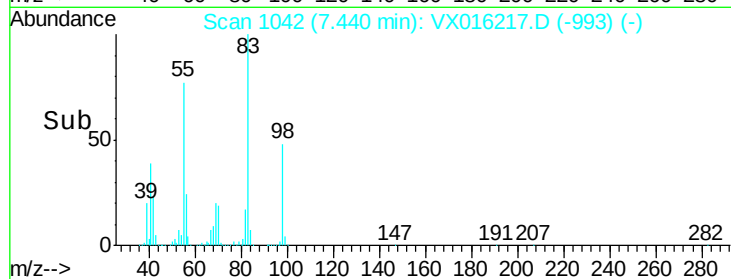
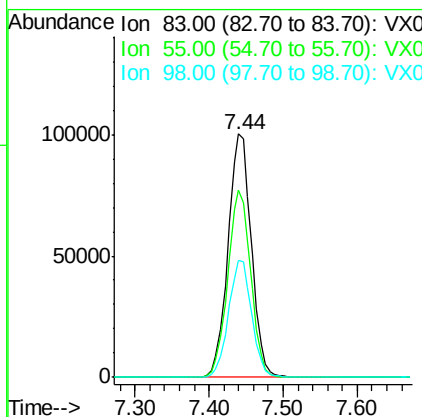
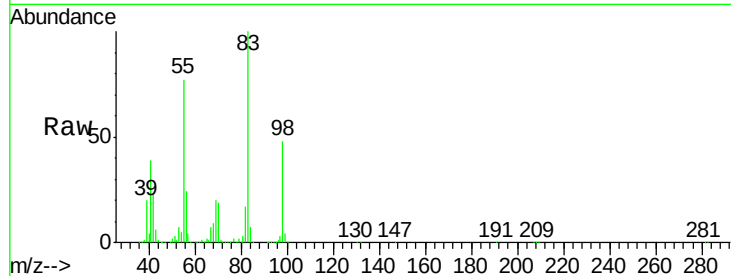
#39
Methylvlcyclohexane
Concen: 44.316 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.1	91.7
98	48.0	39.0	58.4

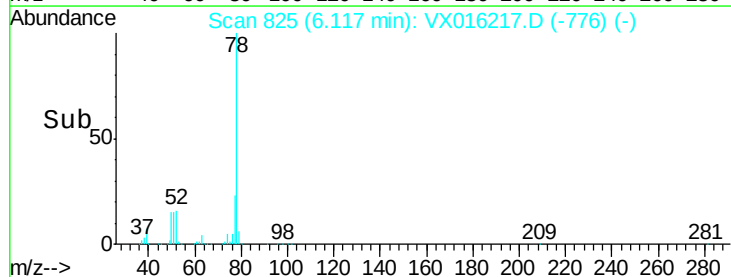
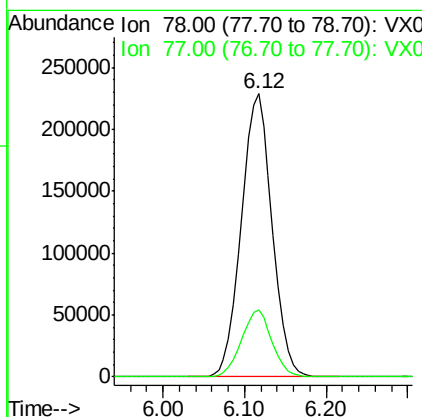
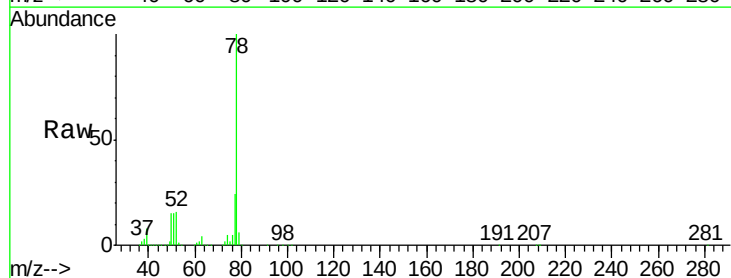
Manual Integrations
APPROVED

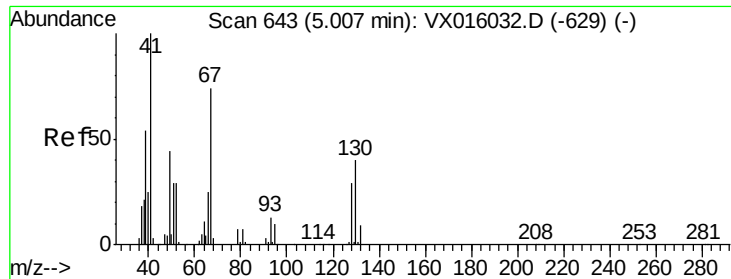
MMDadoda
5/14/2020 12:16:06 PM



#40
Benzene
Concen: 49.764 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4





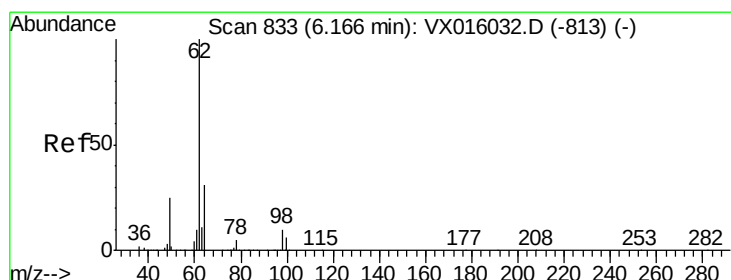
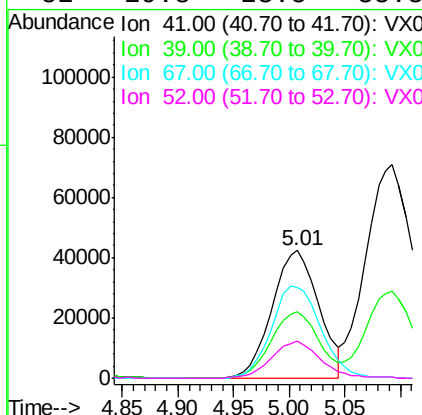
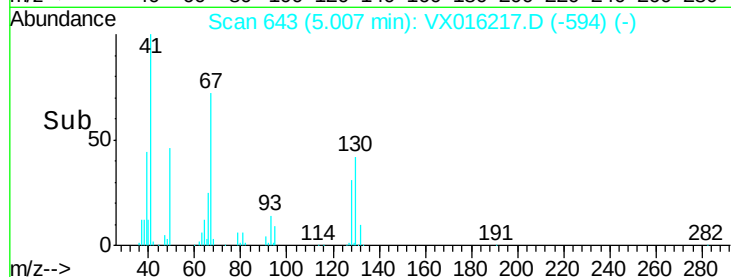
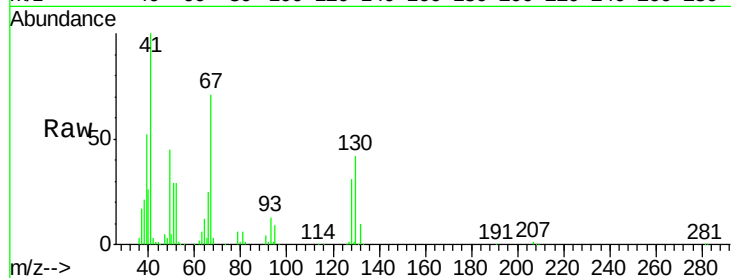
#41
Methacrylonitrile
Concen: 48.243 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	43.2	64.8	
67	76.9	59.3	88.9	
52	29.8	23.5	35.3	

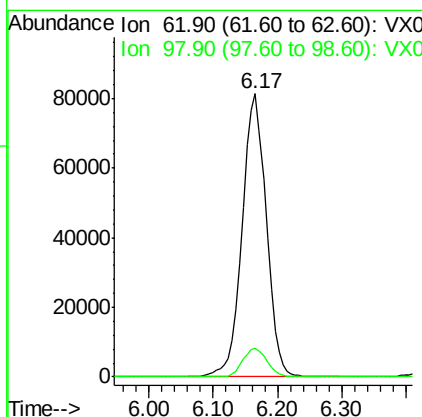
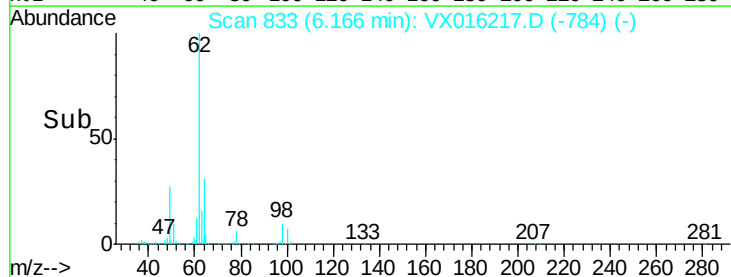
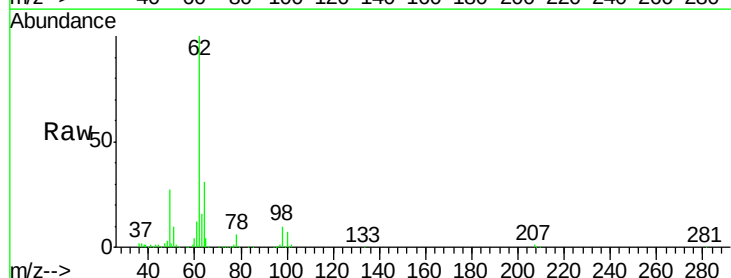
Manual Integrations
APPROVED

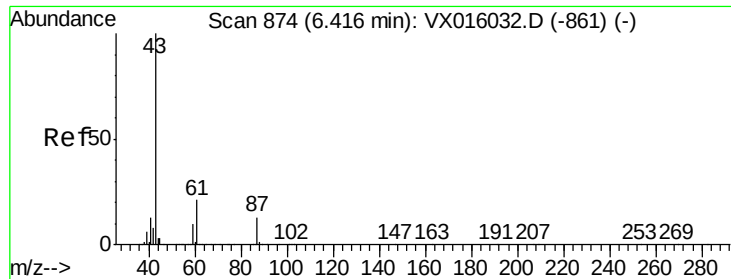
MMDadoda
5/14/2020 12:16:06 PM



#42
1,2-Dichloroethane
Concen: 48.461 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	19.4	





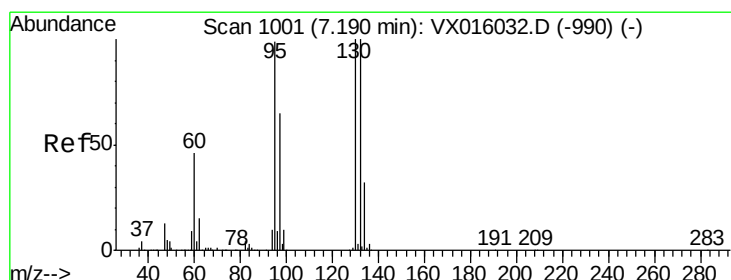
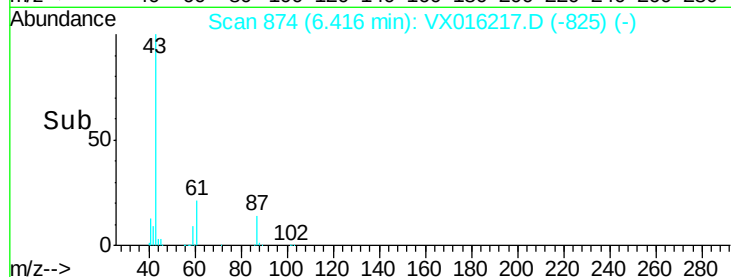
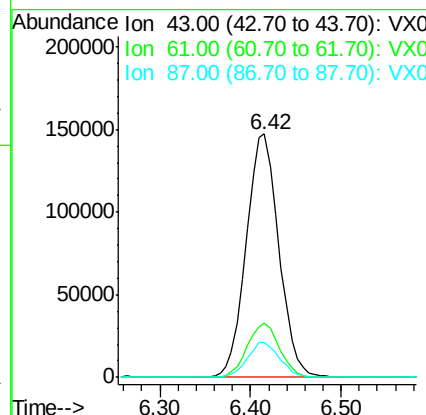
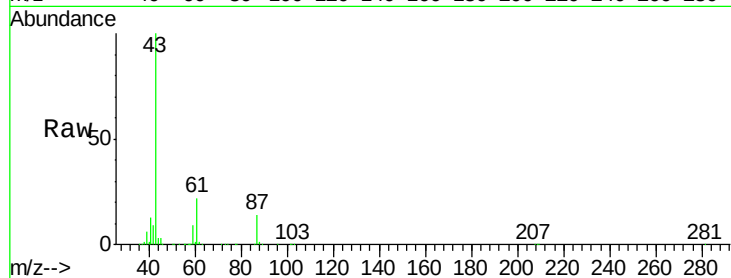
#43
Isopropyl Acetate
Concen: 48.184 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.2	17.0	25.4
87	14.3	11.0	16.6

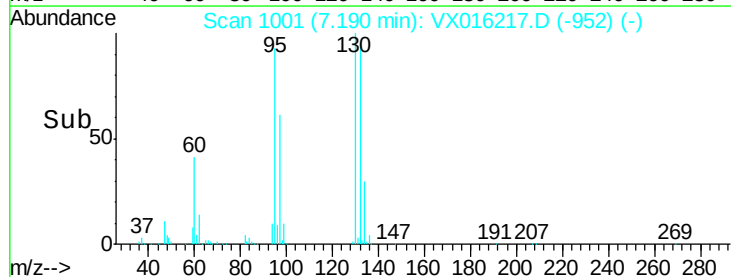
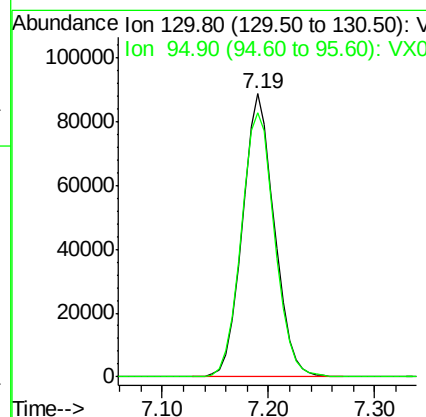
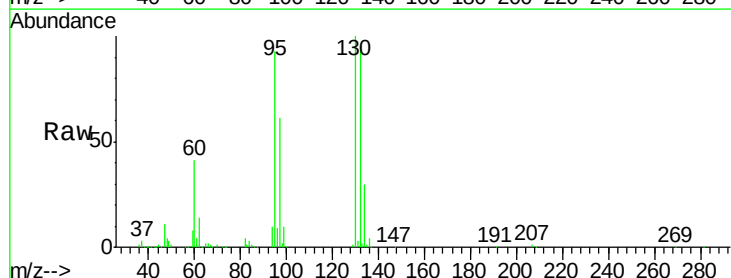
Manual Integrations
APPROVED

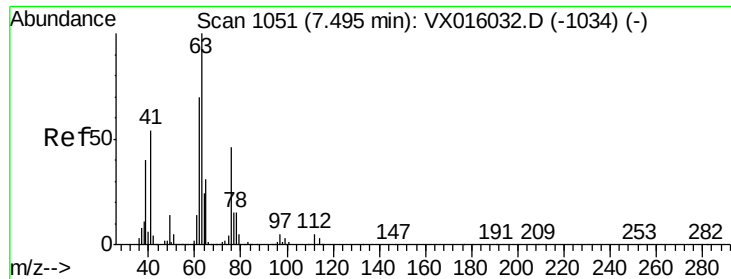
MMDadoda
5/14/2020 12:16:06 PM



#44
Trichloroethene
Concen: 43.820 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	197.4





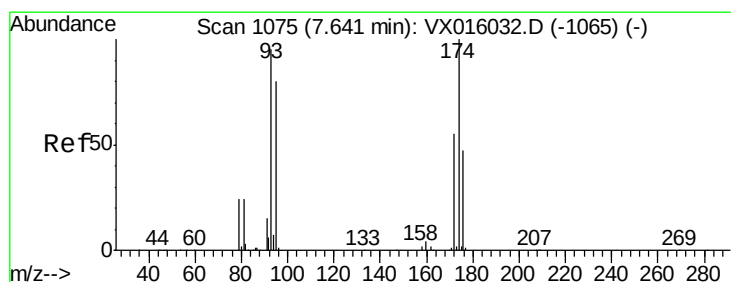
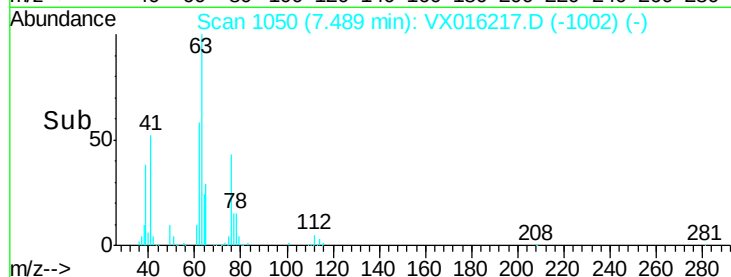
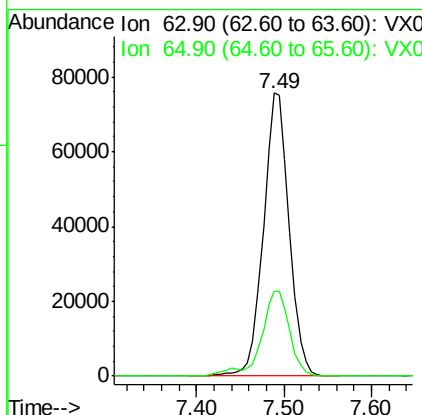
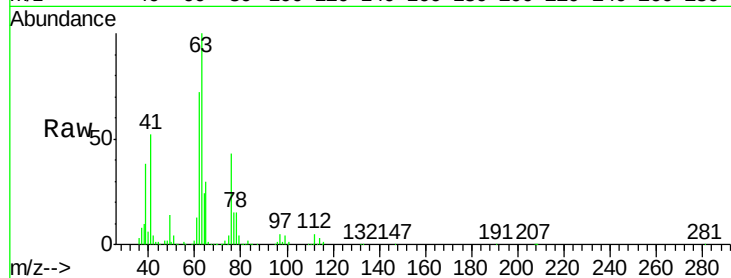
#45
 1,2-Dichloropropane
 Concen: 51.321 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	155855		
65	30.1		24.4	36.6

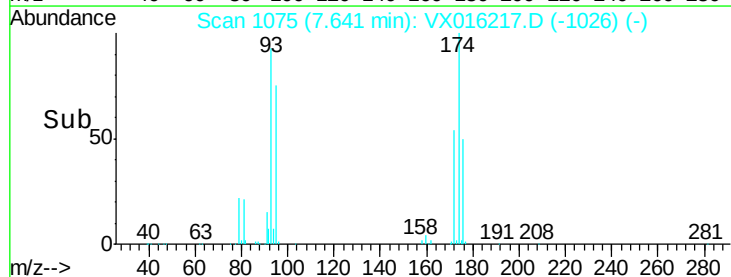
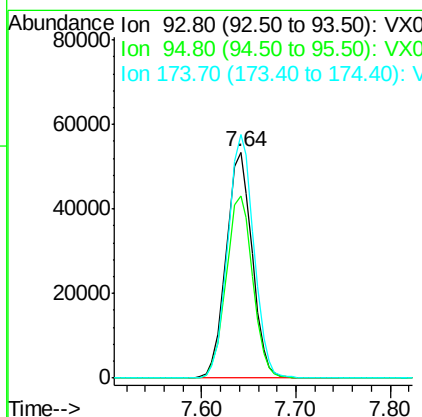
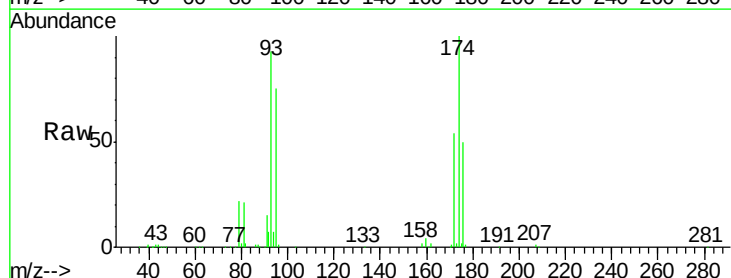
Manual Integrations
 APPROVED

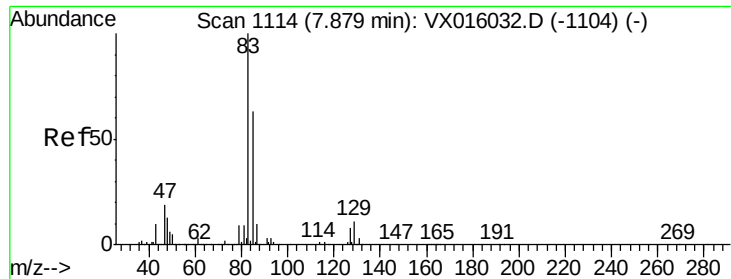
MMDadoda
 5/14/2020 12:16:06 PM



#46
 Dibromomethane
 Concen: 49.555 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	102270		
95	82.8		66.6	100.0
174	108.5		84.2	126.4





#47

Bromodichloromethane

Concen: 51.549 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

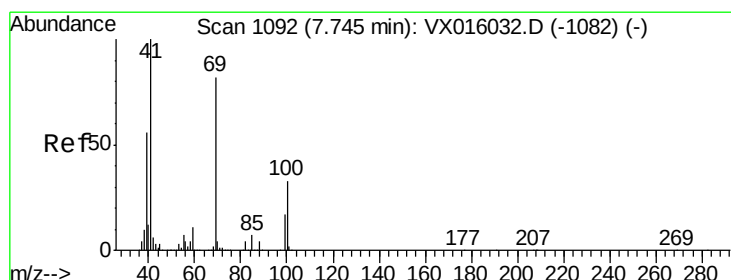
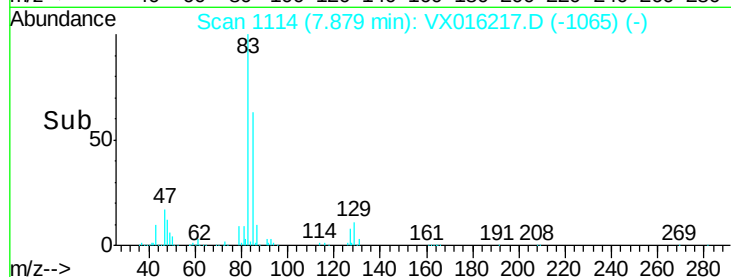
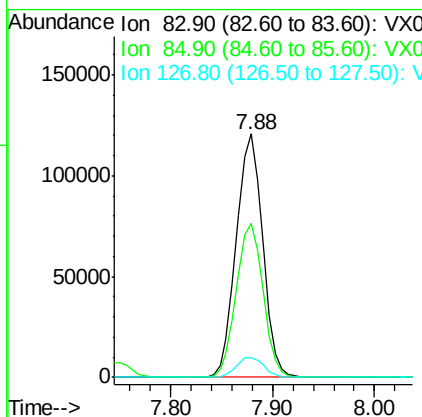
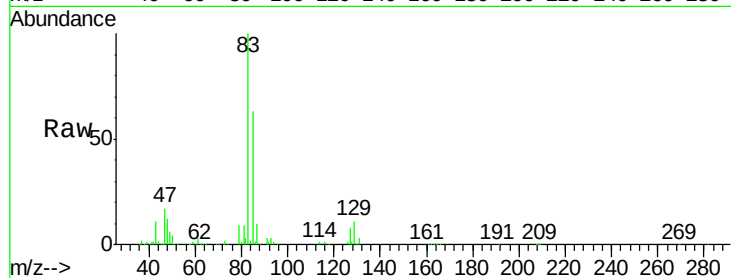
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	21670
Ion Ratio	Lower	Upper	
83	100		
85	63.5	50.5	75.7
127	8.3	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
5/14/2020 12:16:06 PM



#48

Methyl methacrylate

Concen: 48.921 ug/l

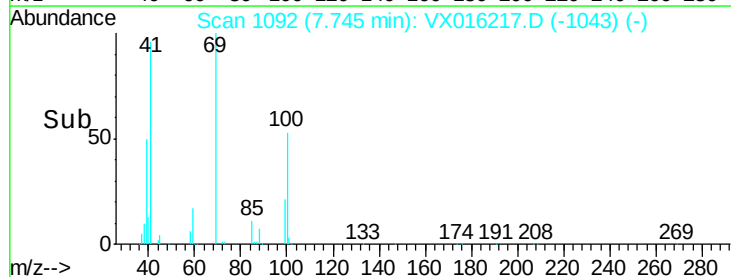
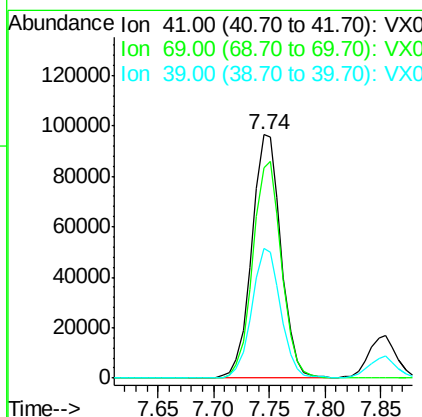
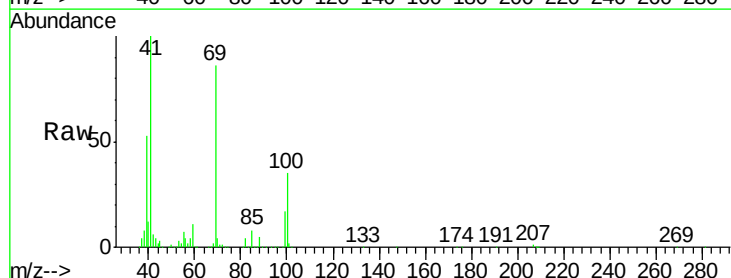
RT: 7.74 min Scan# 1092

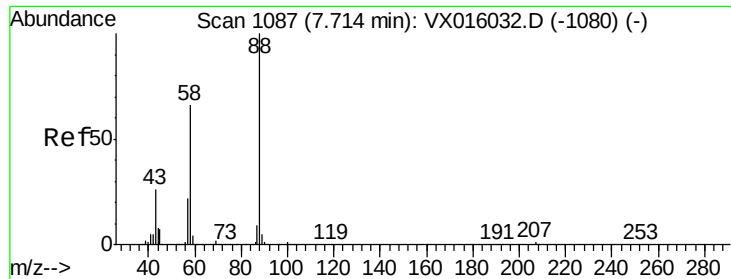
Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Tgt Ion:	41	Resp:	175840
Ion Ratio	Lower	Upper	
41	100		
69	87.8	67.8	101.6
39	52.7	44.6	67.0





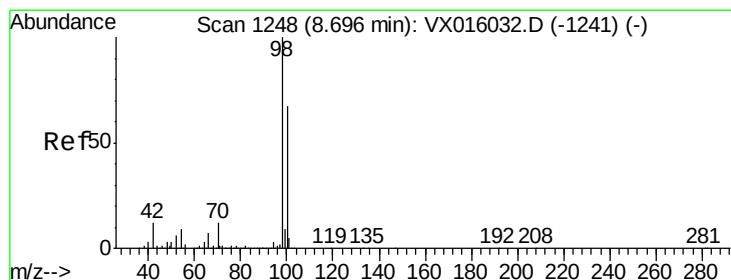
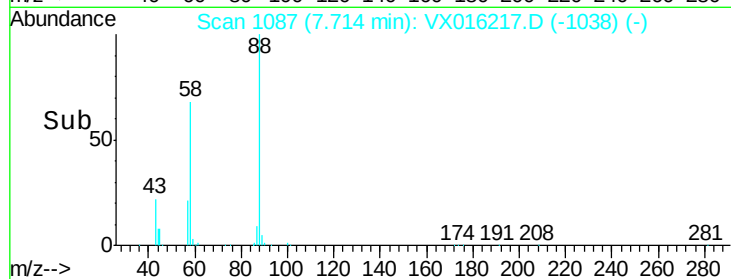
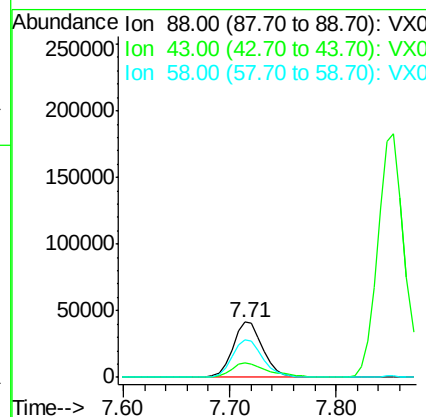
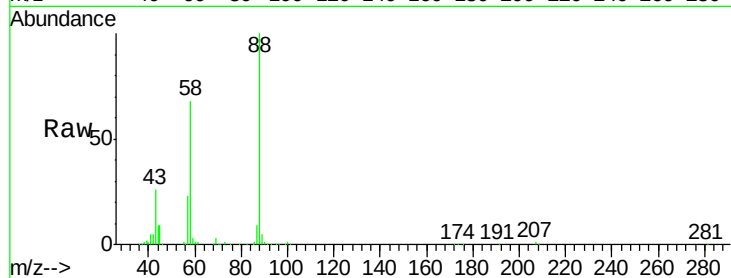
#49
1,4-Dioxane
Concen: 941.220 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	25.3	37.9
58	70.1	55.9	83.9

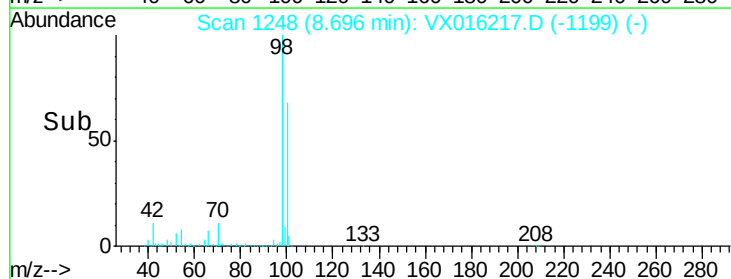
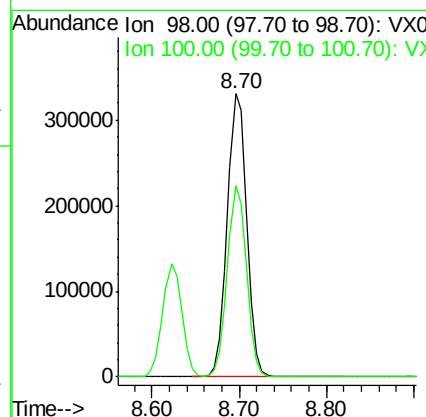
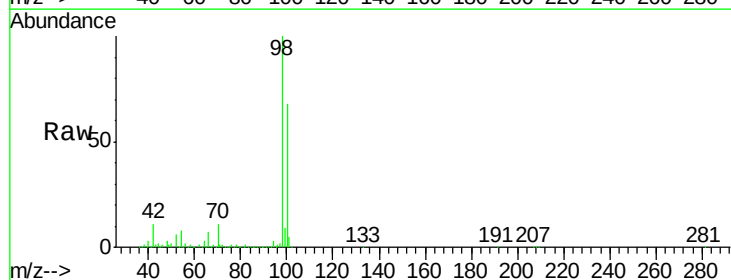
Manual Integrations
APPROVED

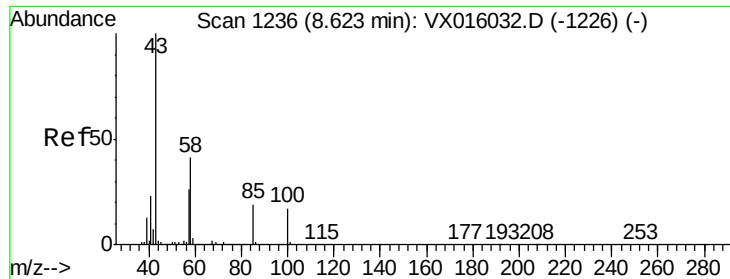
MMDadoda
5/14/2020 12:16:06 PM



#50
Toluene-d8
Concen: 49.991 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 250.188 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1161331

Ion Ratio Lower Upper

43 100

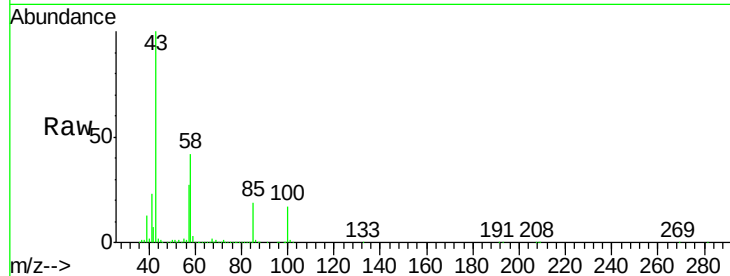
58 42.0 33.0 49.4

Manual Integrations

APPROVED

MMDadoda

5/14/2020 12:16:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

800000

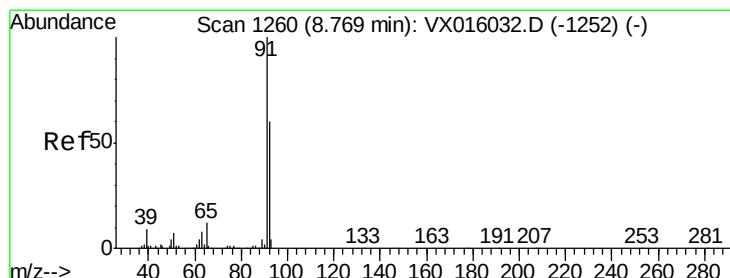
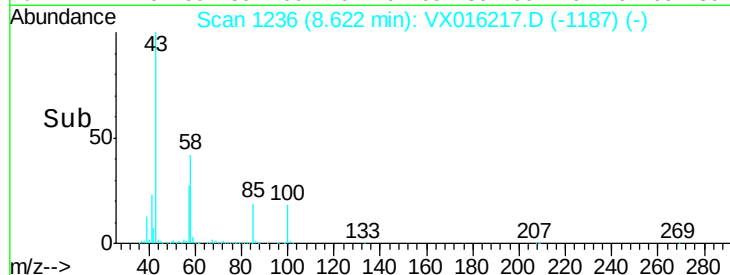
600000

400000

200000

0

Time--> 8.50 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 50.922 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016217.D

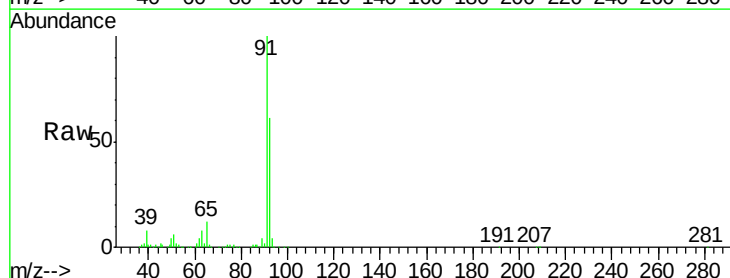
Acq: 14 May 2020 06:33

Tgt Ion: 92 Resp: 380939

Ion Ratio Lower Upper

92 100

91 168.0 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.77

500000

400000

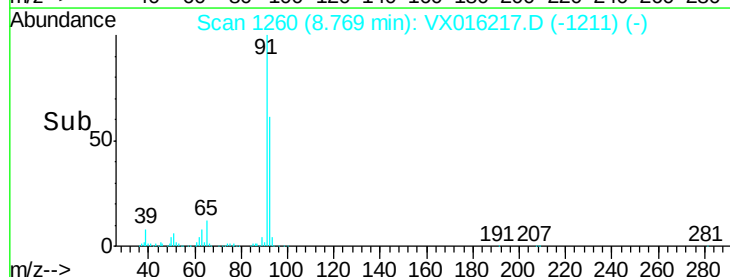
300000

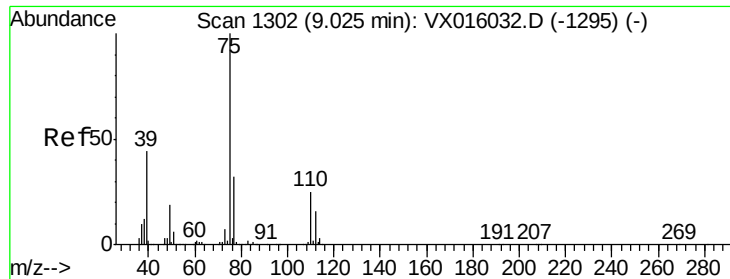
200000

100000

0

Time--> 8.70 8.75 8.80 8.85





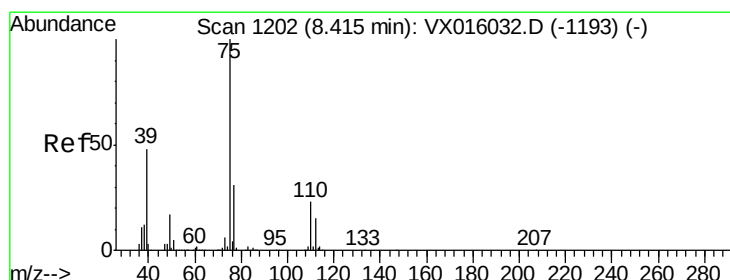
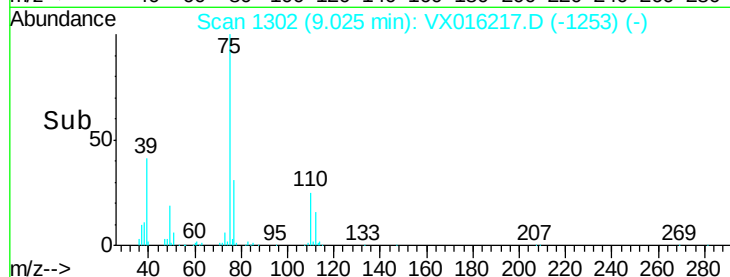
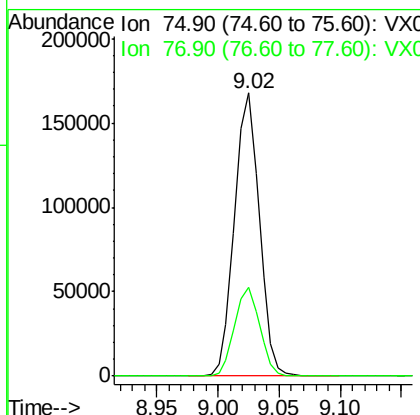
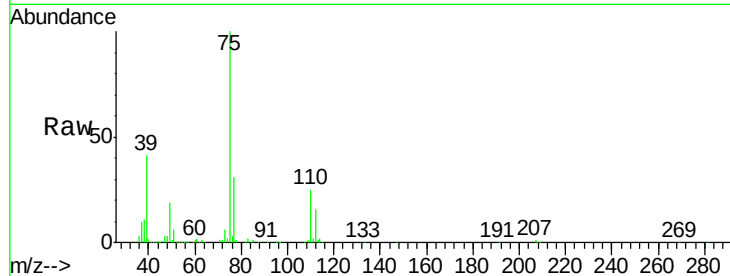
#53
 t-1,3-Dichloropropene
 Concen: 47.159 ug/l
 RT: 9.02 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 236338
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.7 38.5

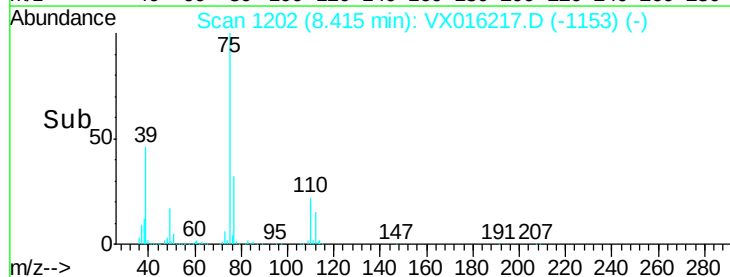
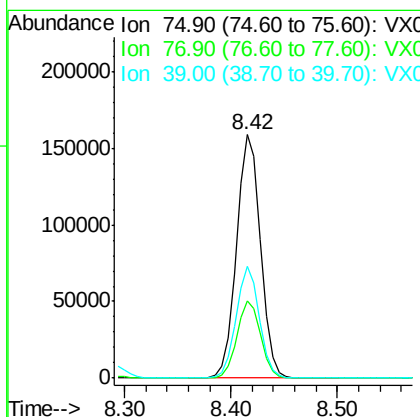
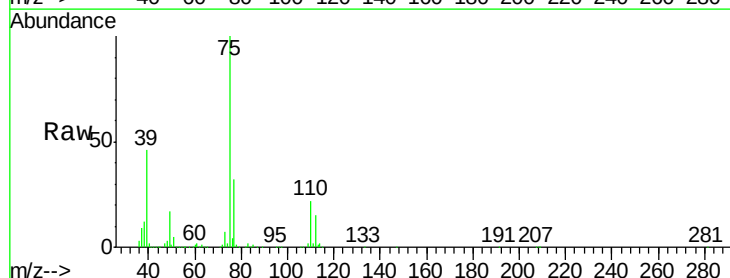
Manual Integrations
 APPROVED

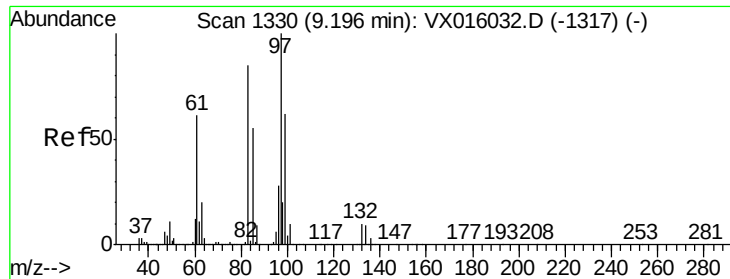
MMDadoda
 5/14/2020 12:16:06 PM



#54
 cis-1,3-Dichloropropene
 Concen: 47.888 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Tgt Ion: 75 Resp: 250669
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.7 37.1
 39 45.9 38.7 58.1





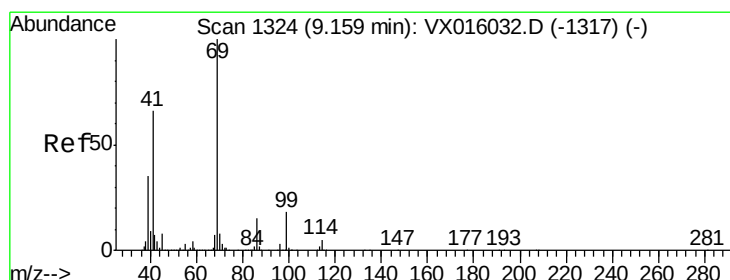
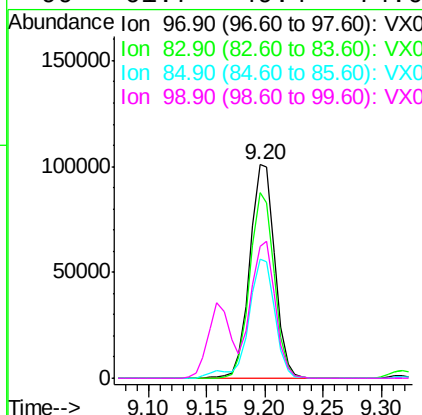
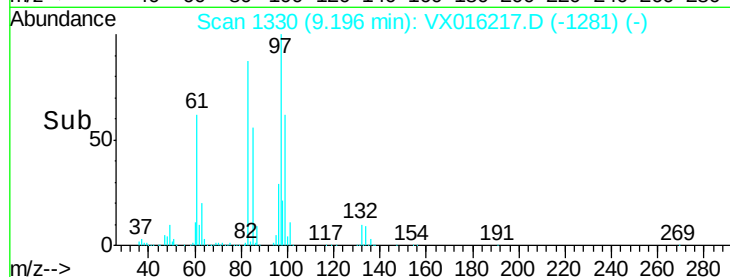
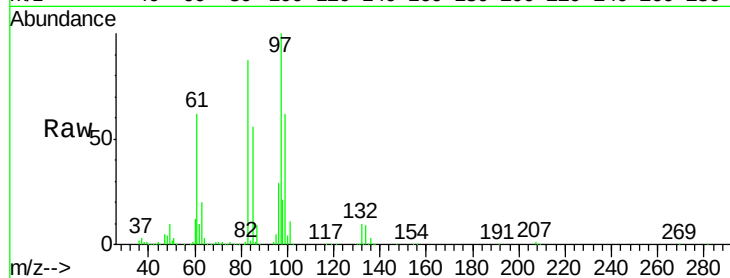
#55
 1,1,2-Trichloroethane
 Concen: 51.804 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	152472
Ion	Ratio	Lower	Upper
97	100		
83	87.1	67.8	101.8
85	55.6	43.8	65.8
99	61.7	49.4	74.0

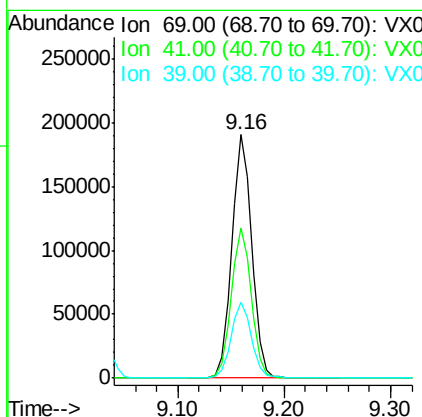
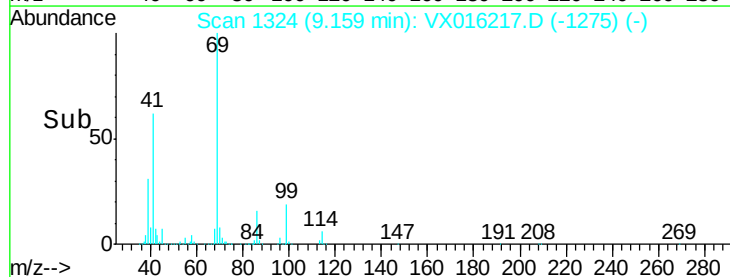
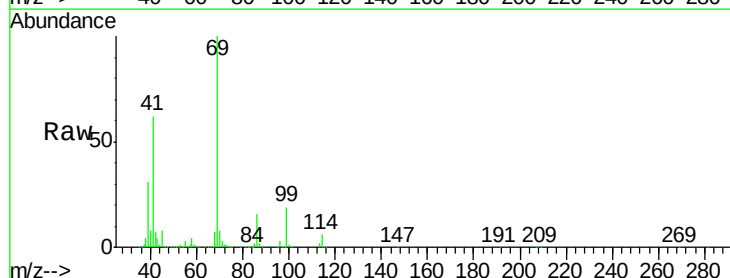
Manual Integrations
 APPROVED

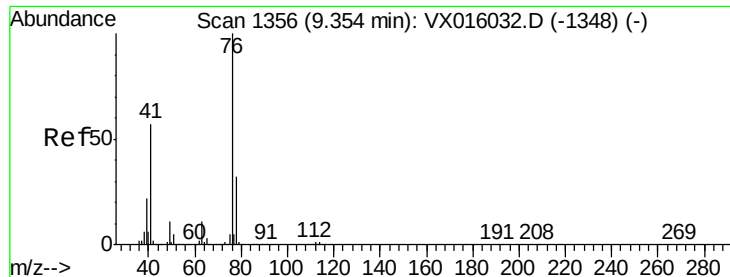
MMDadoda
 5/14/2020 12:16:06 PM



#56
 Ethyl methacrylate
 Concen: 52.296 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Tgt Ion:	69	Resp:	251249
Ion	Ratio	Lower	Upper
69	100		
41	61.9	52.2	78.4
39	31.8	28.2	42.4





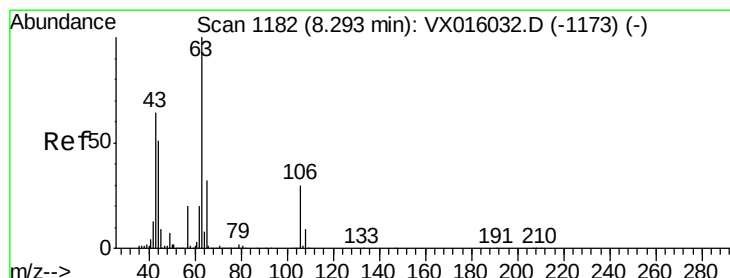
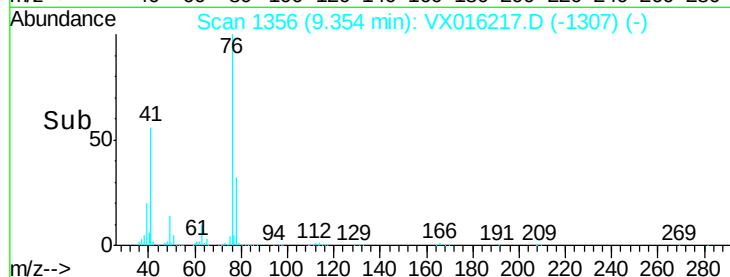
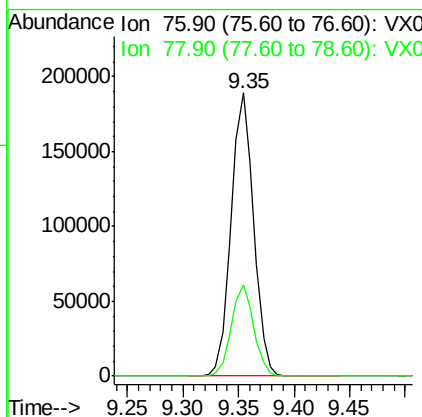
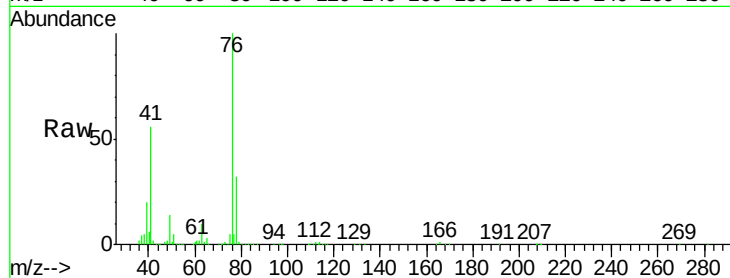
#57
 1,3-Dichloropropane
 Concen: 51.534 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

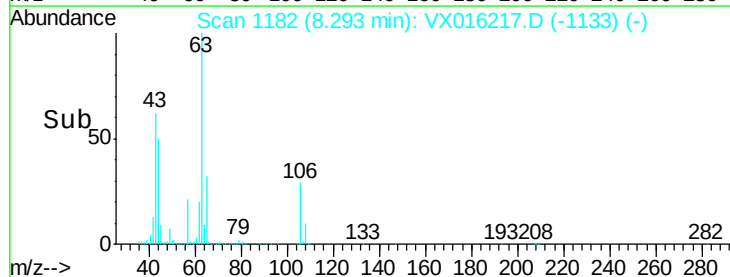
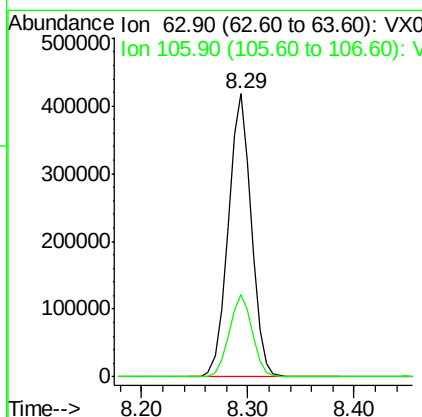
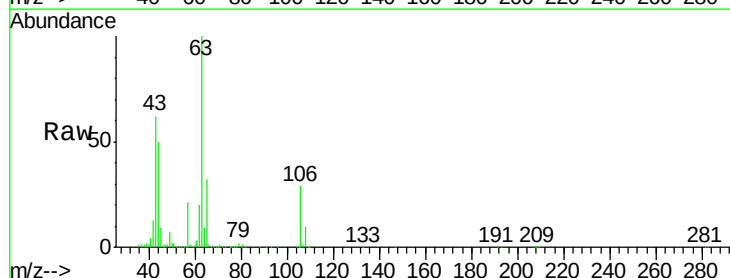
Manual Integrations
 APPROVED

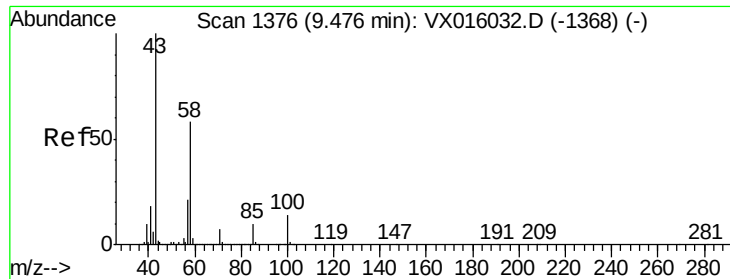
MMDadoda
 5/14/2020 12:16:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.518 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	23.4	35.2





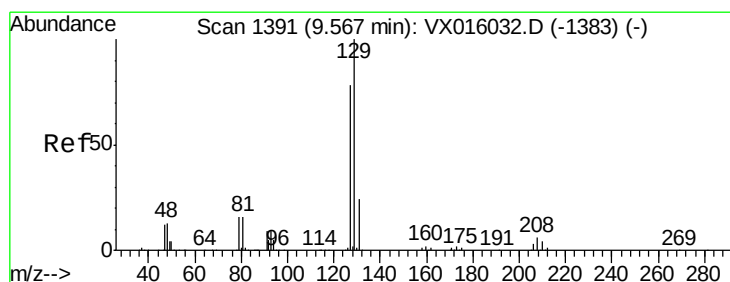
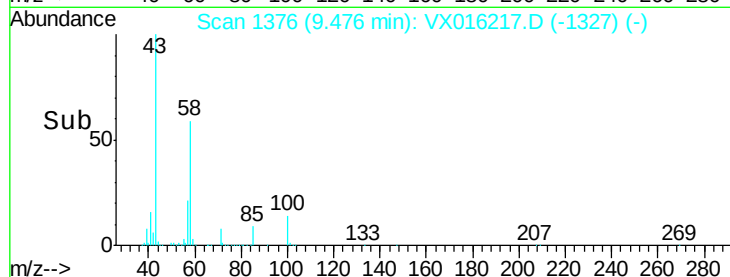
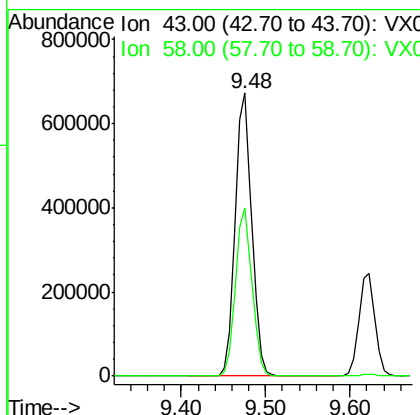
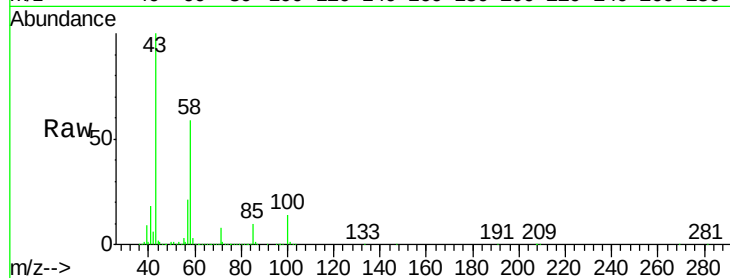
#59
2-Hexanone
Concen: 246.227 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.0	28.6	85.9

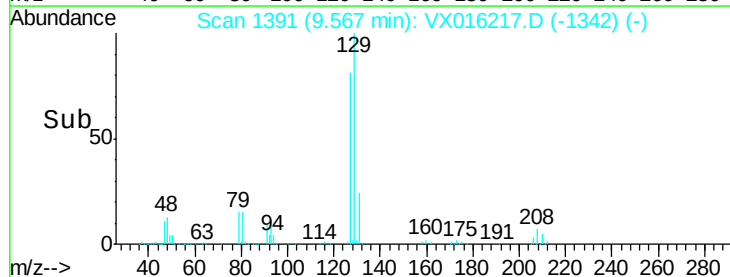
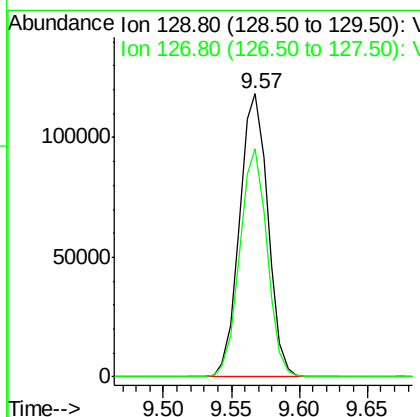
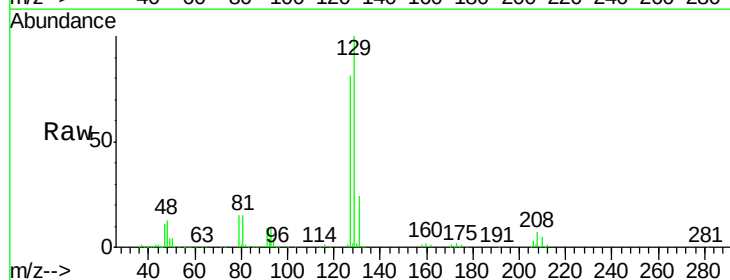
Manual Integrations
APPROVED

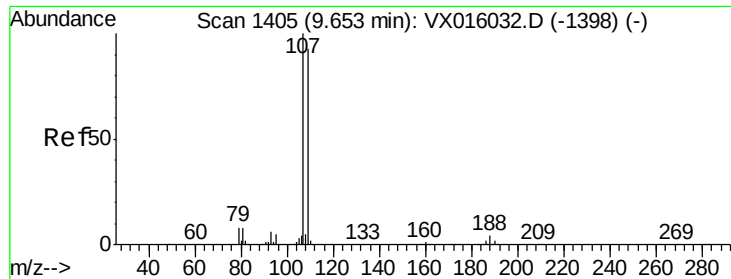
MMDadoda
5/14/2020 12:16:06 PM



#60
Dibromochloromethane
Concen: 53.137 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.4	115.2





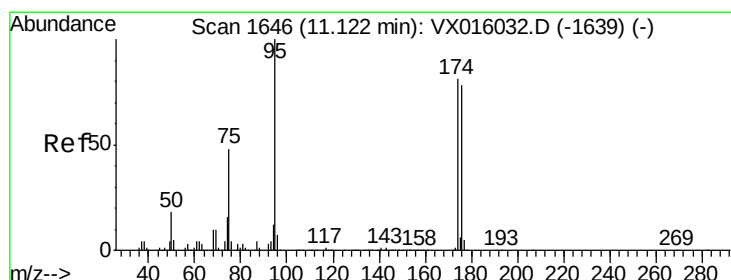
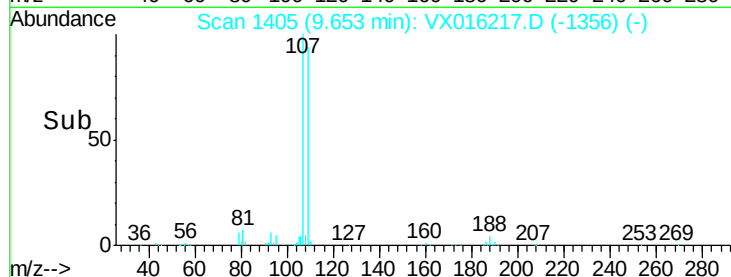
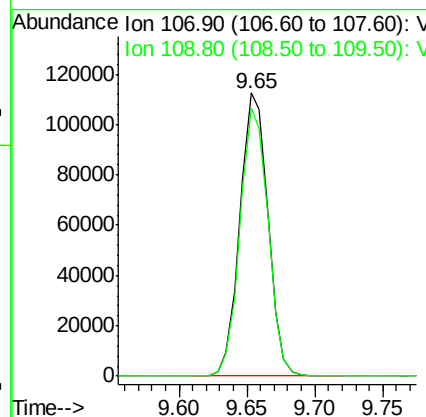
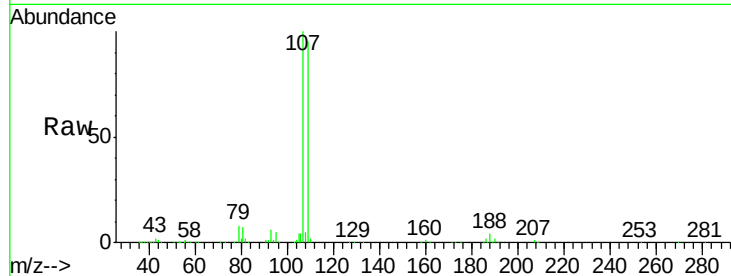
#61
 1,2-Dibromoethane
 Concen: 50.715 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	74.9	112.3

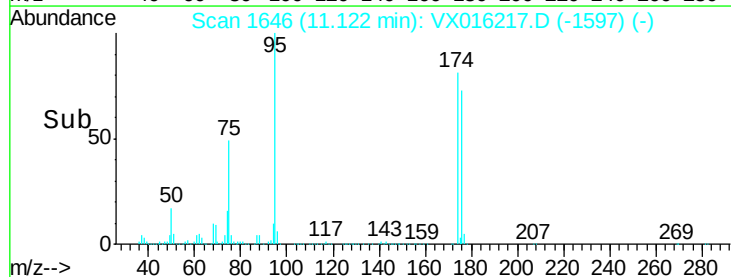
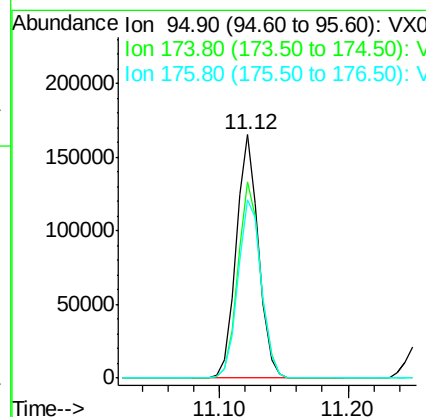
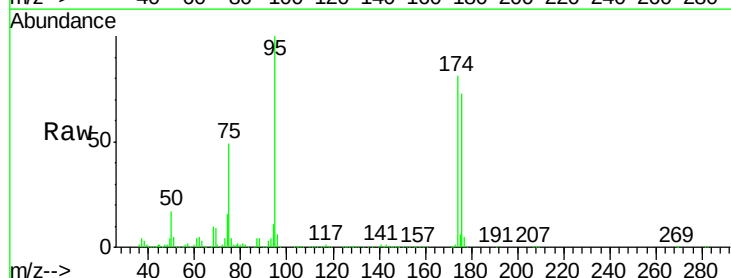
Manual Integrations
 APPROVED

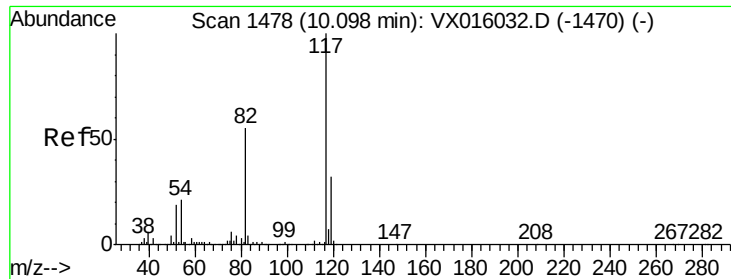
MMDadoda
 5/14/2020 12:16:06 PM



#62
 4-Bromofluorobenzene
 Concen: 51.438 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.9	0.0	159.4
176	77.1	0.0	157.6





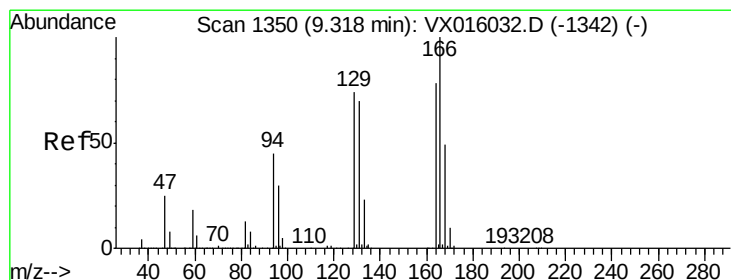
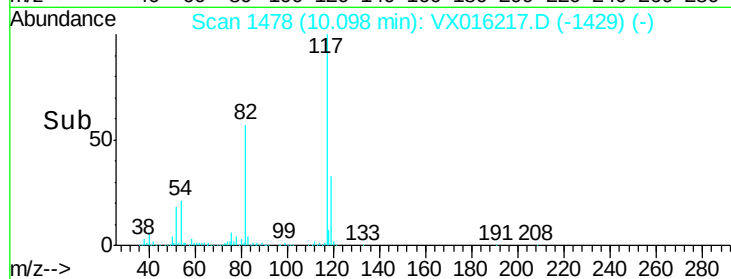
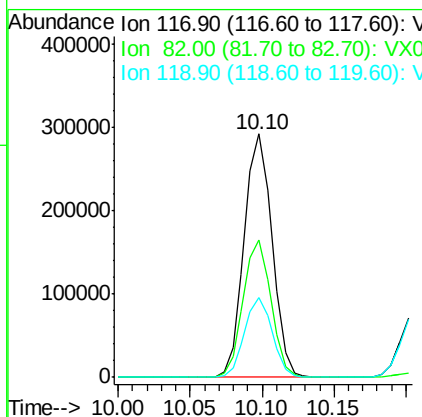
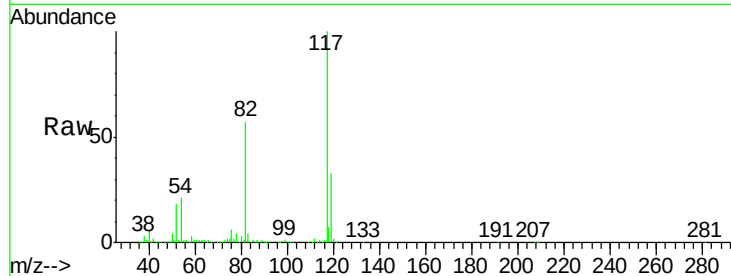
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	393284		
82	56.6	44.4	66.6	
119	32.8	25.5	38.3	

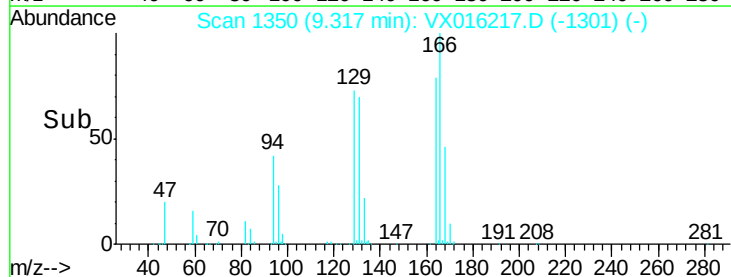
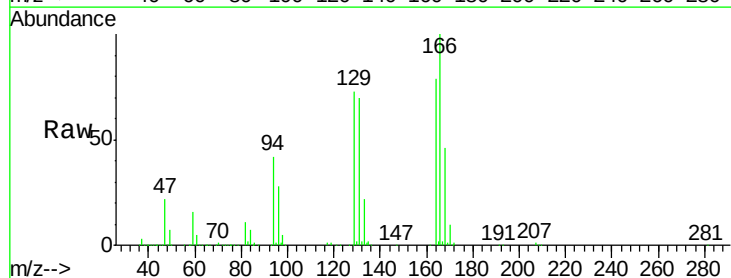
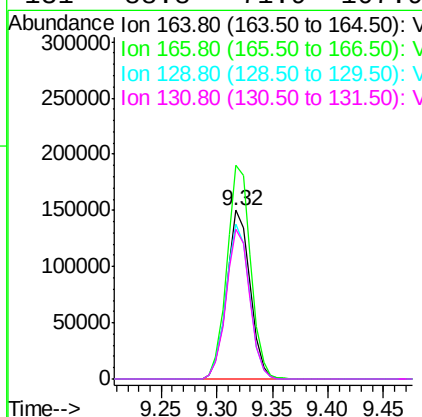
Manual Integrations
APPROVED

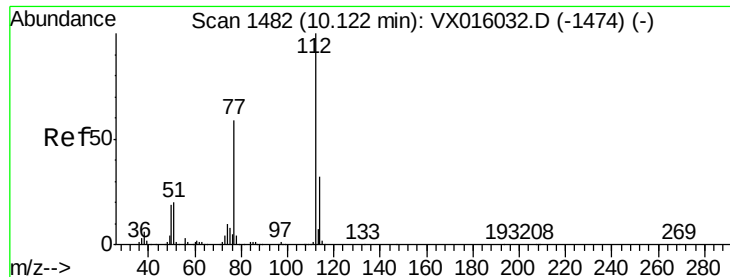
MMDadoda
5/14/2020 12:16:06 PM



#64
Tetrachloroethene
Concen: 44.922 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	216886		
166	126.5	102.9	154.3	
129	92.1	76.1	114.1	
131	88.8	71.9	107.9	





#65

Chlorobenzene

Concen: 49.481 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 407473

Ion Ratio Lower Upper

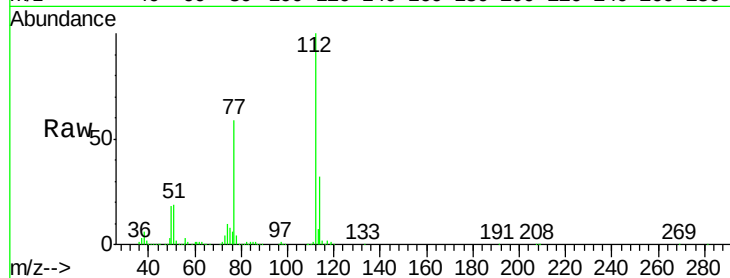
112 100

114 32.0 25.7 38.5

Manual Integrations
APPROVED

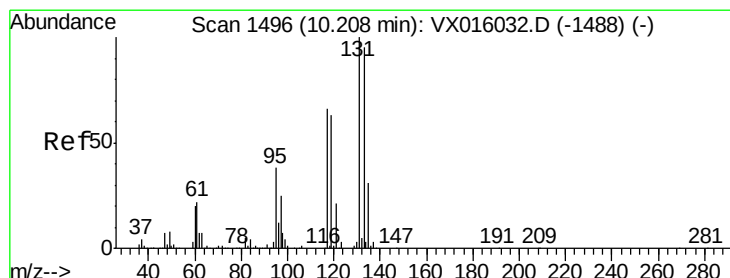
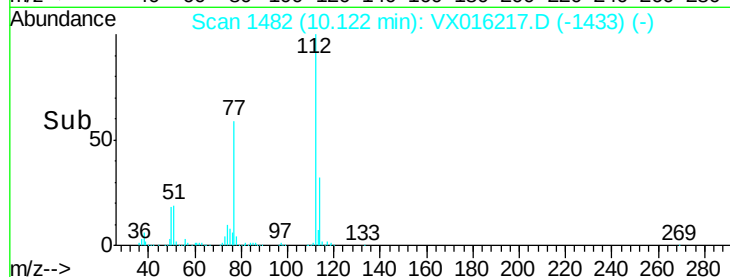
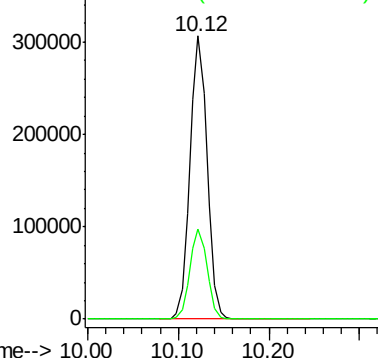
MMDadoda

5/14/2020 12:16:06 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.265 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

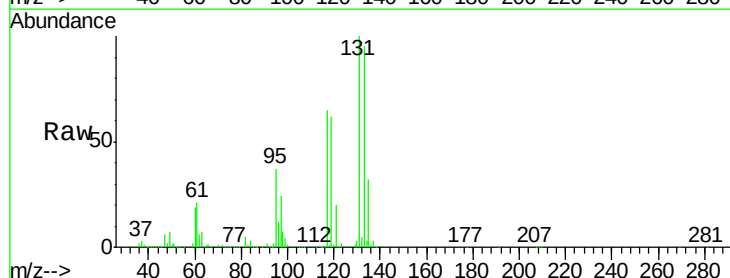
Tgt Ion:131 Resp: 156035

Ion Ratio Lower Upper

131 100

133 94.7 48.3 144.8

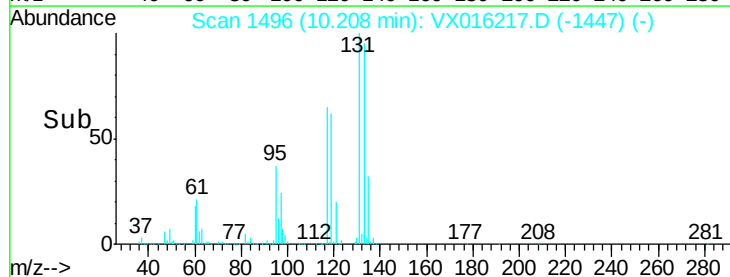
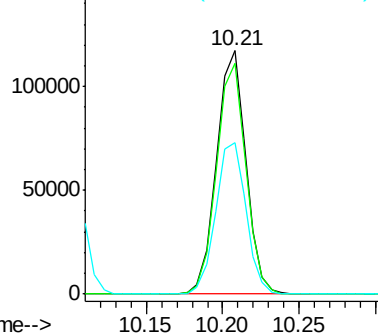
119 64.4 32.3 96.9

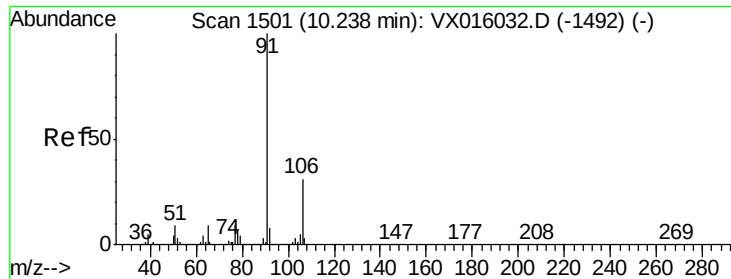


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 49.277 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 724037

Ion Ratio Lower Upper

91 100

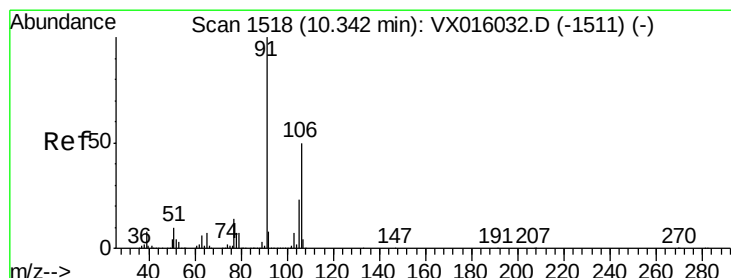
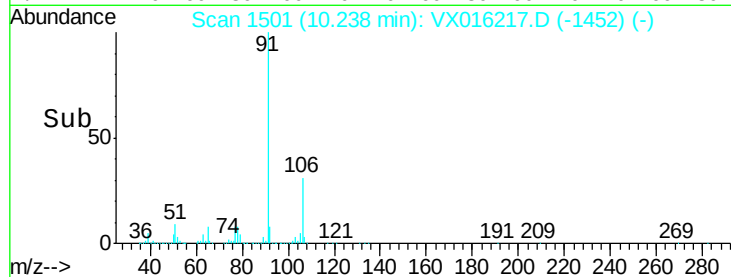
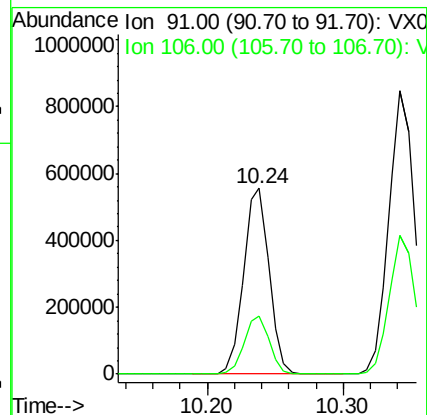
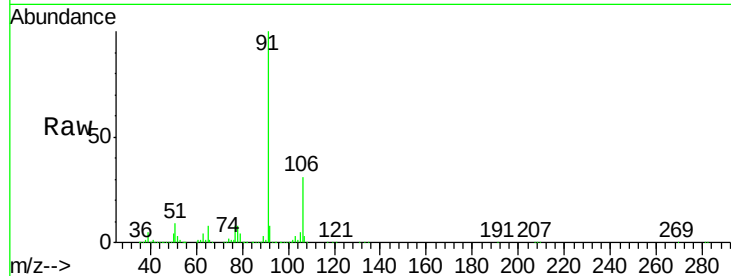
106 31.3 25.1 37.7

Manual Integrations

APPROVED

MMDadoda

5/14/2020 12:16:06 PM



#68

m/p-Xylenes

Concen: 99.628 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016217.D

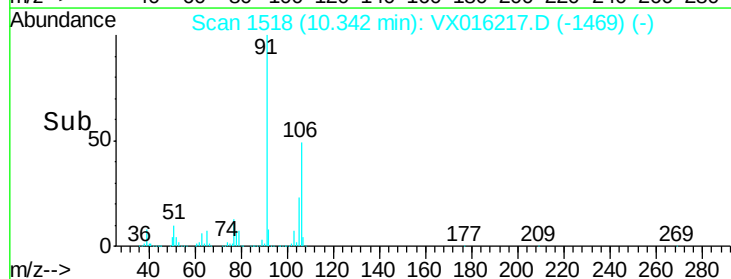
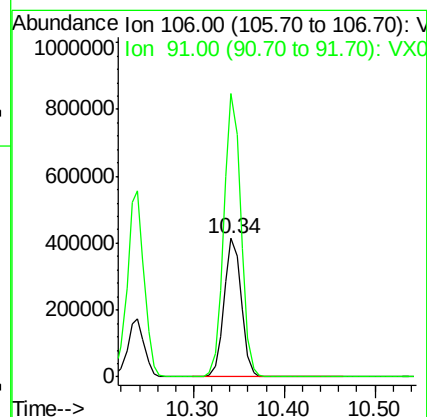
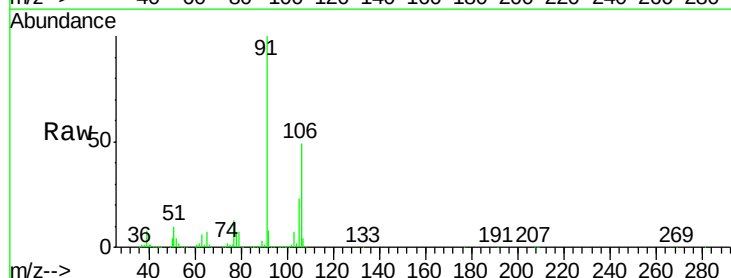
Acq: 14 May 2020 06:33

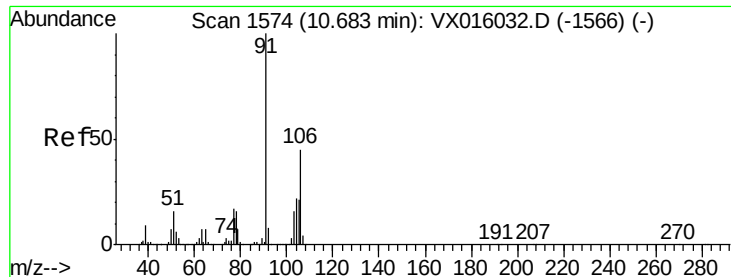
Tgt Ion: 106 Resp: 548449

Ion Ratio Lower Upper

106 100

91 203.0 161.7 242.5





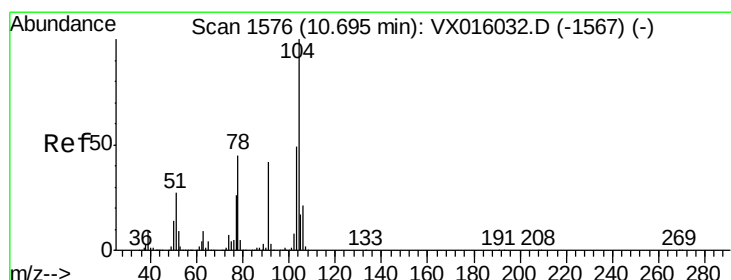
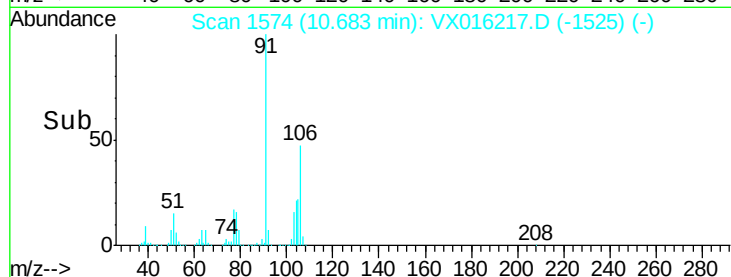
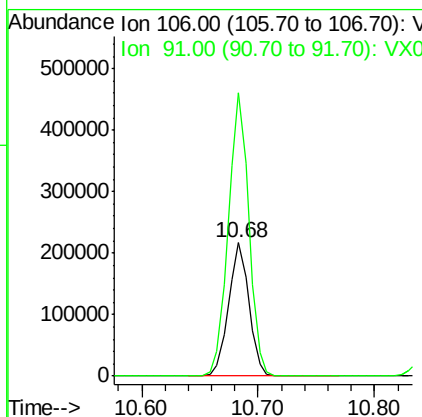
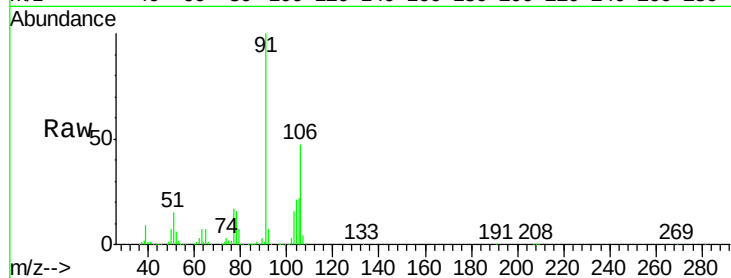
#69
o-Xylene
Concen: 49.957 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	213.9	107.5	322.6		

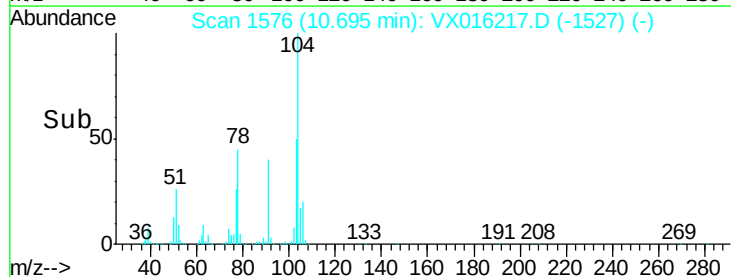
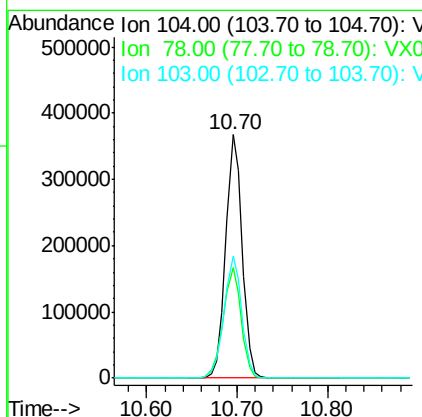
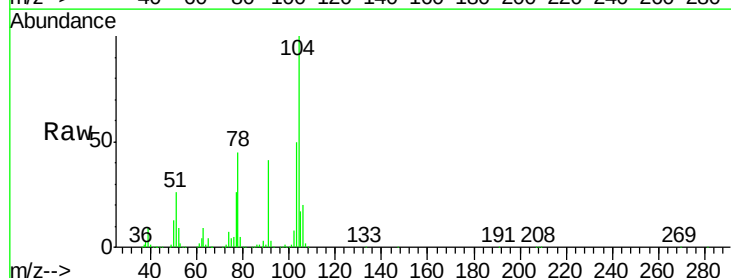
Manual Integrations
APPROVED

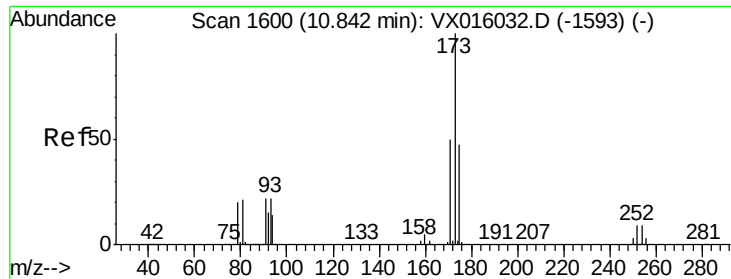
MMDadoda
5/14/2020 12:16:06 PM



#70
Styrene
Concen: 51.504 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.6	40.2	60.2		
103	54.1	43.0	64.6		





#71

Bromoform

Concen: 53.045 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

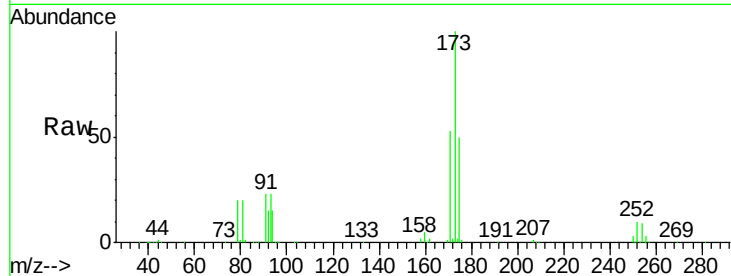
ClientSampleId :

VSTDCCC050EC

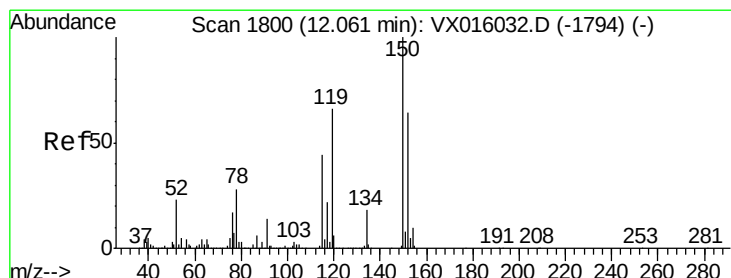
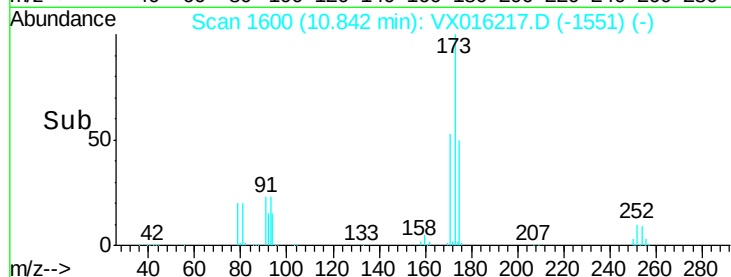
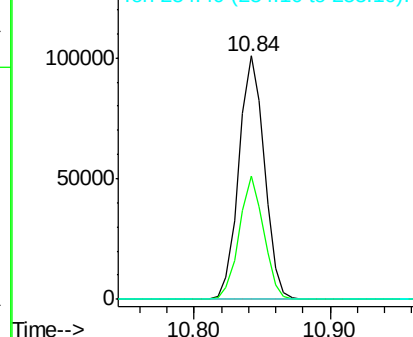
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.0	72.0
254	0.2	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
5/14/2020 12:16:06 PM



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

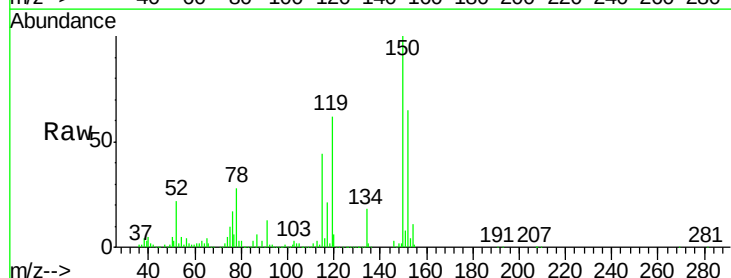
RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

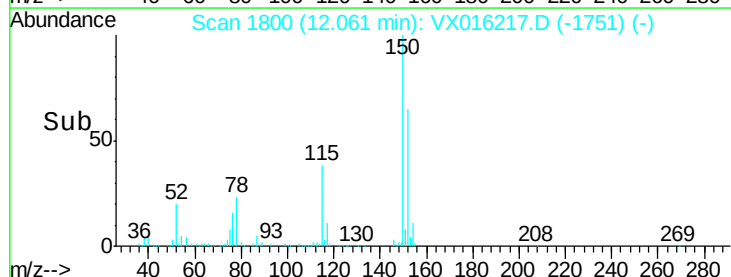
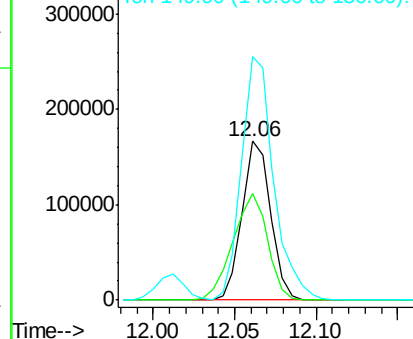
Lab File: VX016217.D

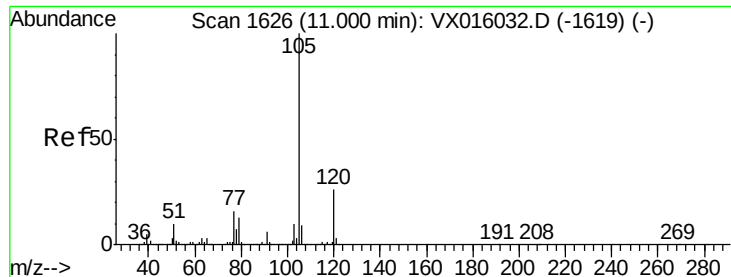
Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.9	41.3	124.1
150	172.7	0.0	352.2



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: 47.429 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 702182

Ion Ratio Lower Upper

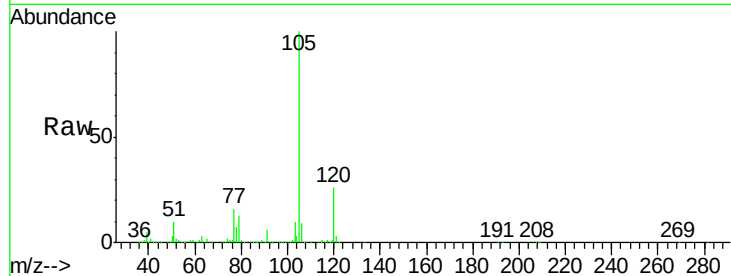
105 100

120 26.5 13.4 40.2

Manual Integrations
APPROVED

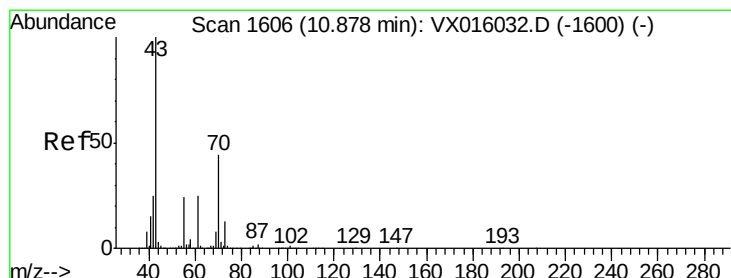
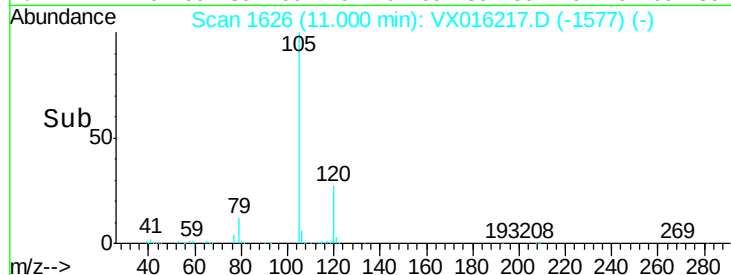
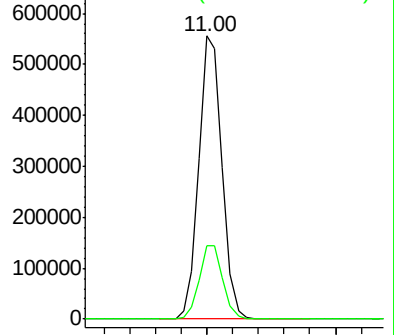
MMDadoda

5/14/2020 12:16:06 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.790 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Tgt Ion: 43 Resp: 316211

Ion Ratio Lower Upper

43 100

70 46.5 36.5 54.7

55 25.9 19.7 29.5

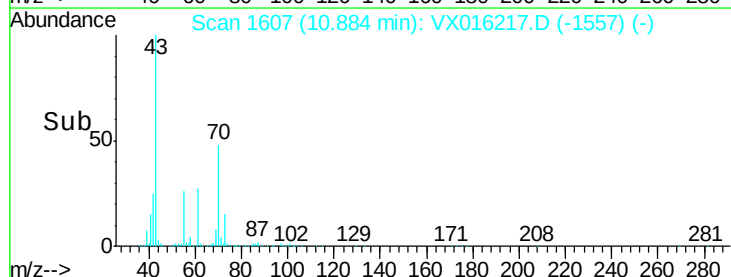
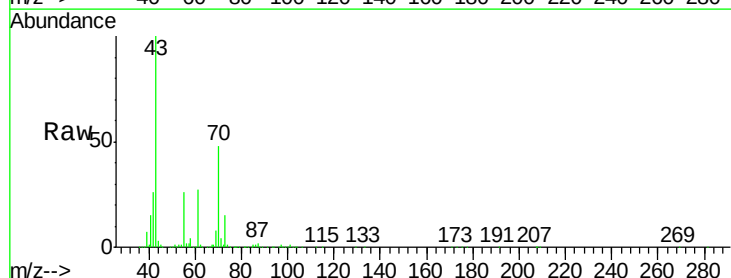
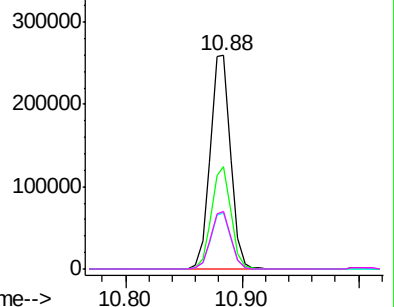
61 26.6 20.9 31.3

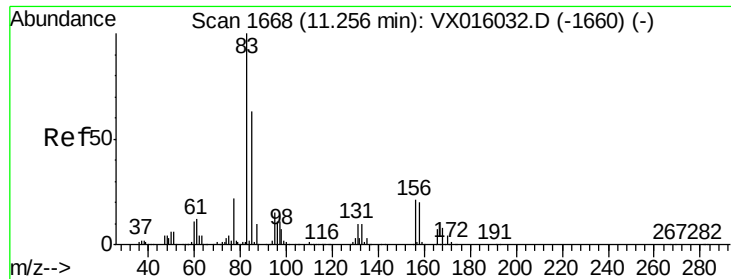
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 60.764 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 181538
Ion Ratio Lower Upper

83 100

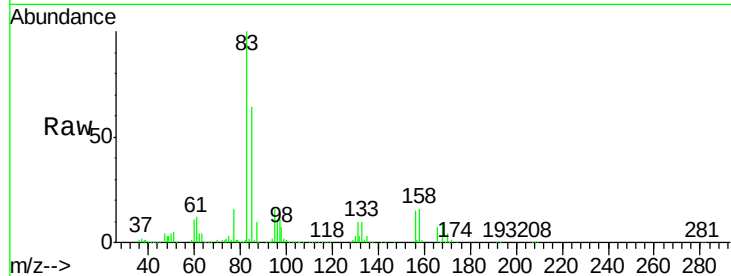
131 10.1 5.1 15.4

85 63.9 32.0 96.0

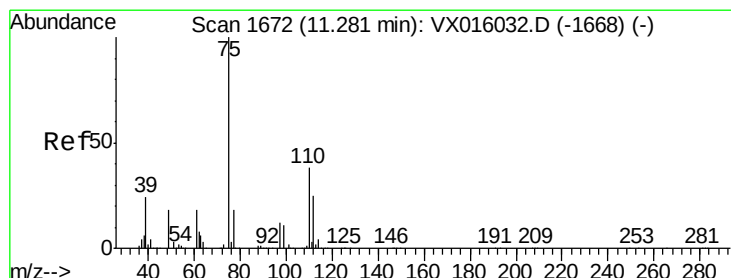
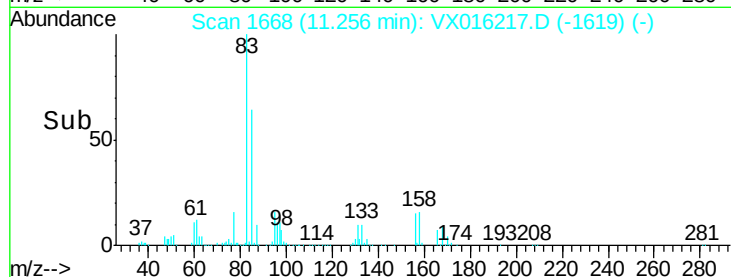
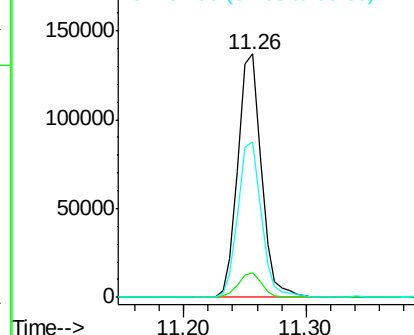
Manual Integrations
APPROVED

MMDadoda

5/14/2020 12:16:06 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): VX0
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 47.923 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

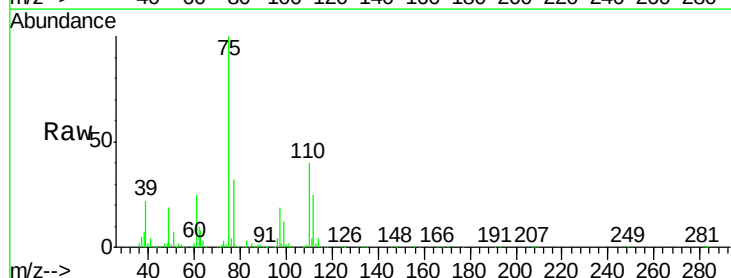
Lab File: VX016217.D

Acq: 14 May 2020 06:33

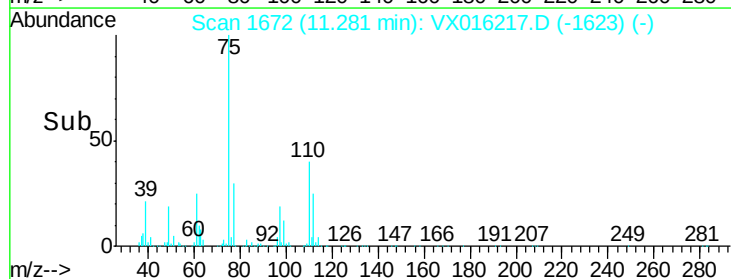
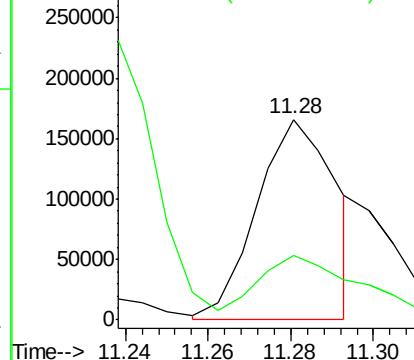
Tgt Ion: 75 Resp: 221353
Ion Ratio Lower Upper

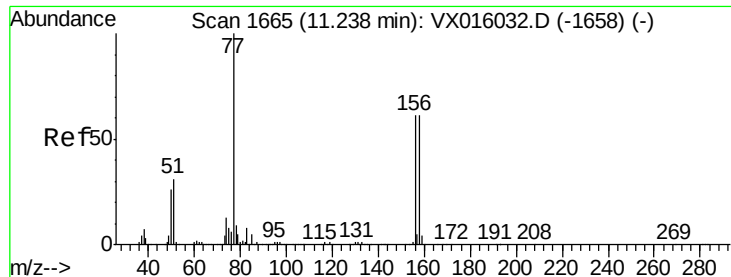
75 100

77 42.0 21.2 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.803 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

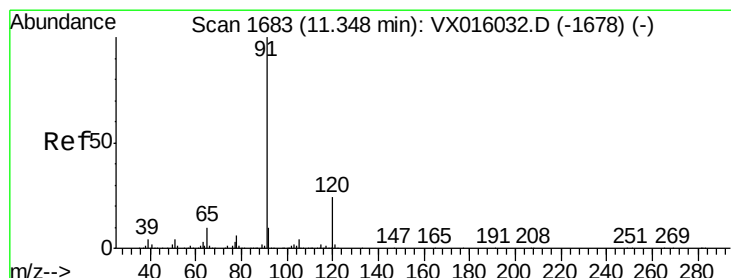
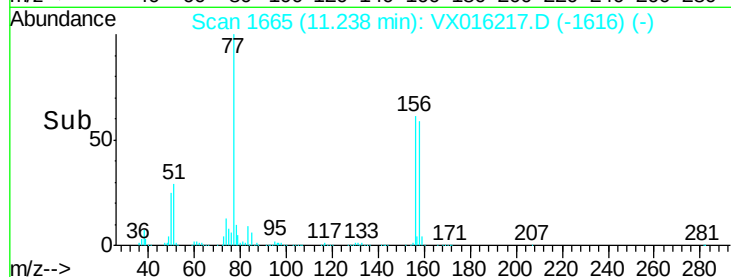
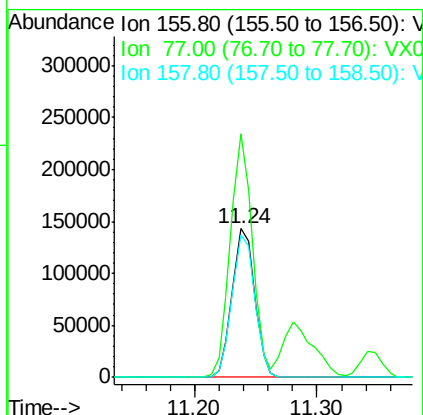
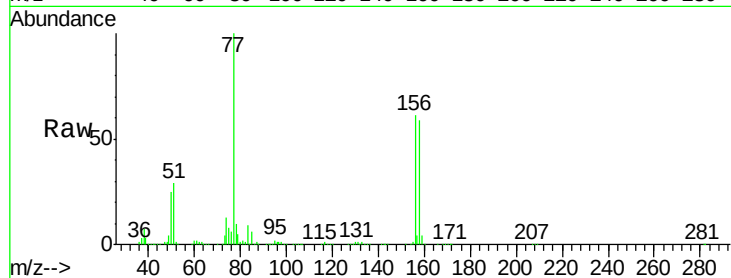
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	182672
Ion Ratio	Lower	Upper	
156	100		
77	158.9	80.1	240.3
158	96.7	49.4	148.2

Manual Integrations
APPROVED

MMDadoda
5/14/2020 12:16:06 PM



#78

n-propylbenzene

Concen: 46.768 ug/l

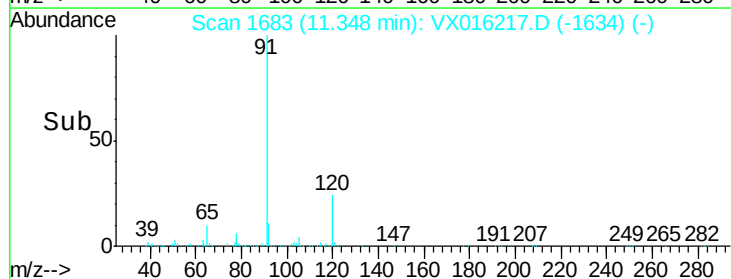
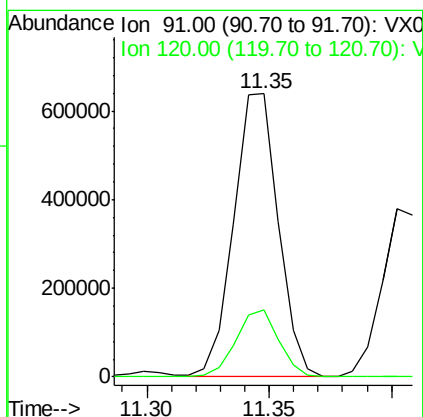
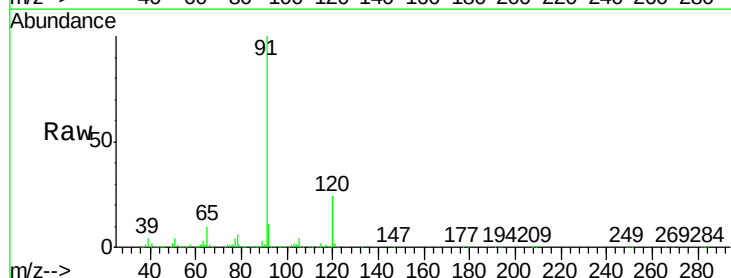
RT: 11.35 min Scan# 1683

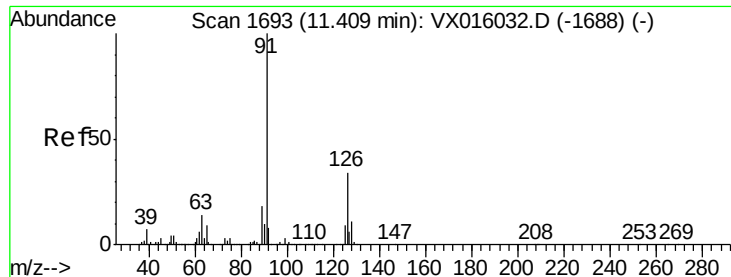
Delta R.T. 0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Tgt Ion:	91	Resp:	805499
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.5





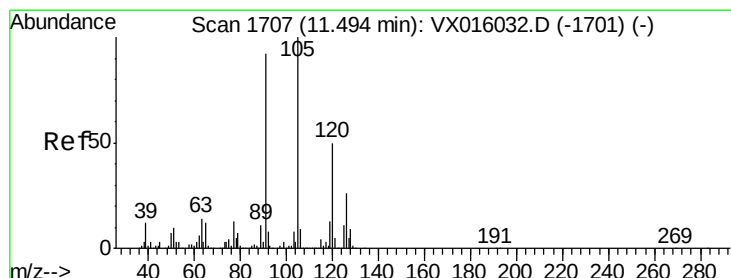
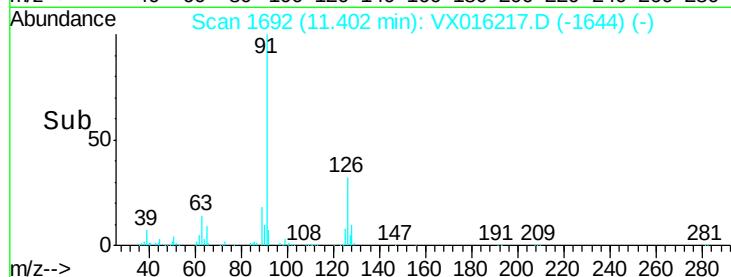
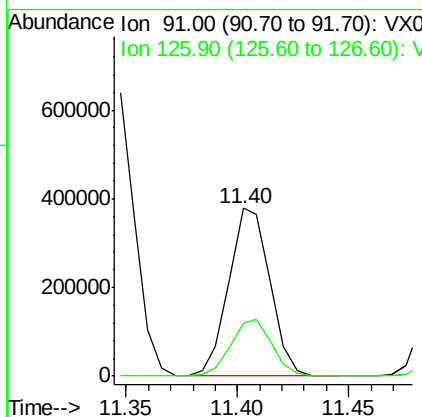
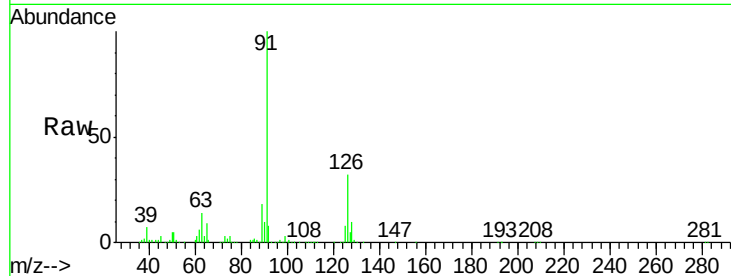
#79
 2-Chlorotoluene
 Concen: 47.865 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 486608
 Ion Ratio Lower Upper
 91 100
 126 33.7 16.9 50.6

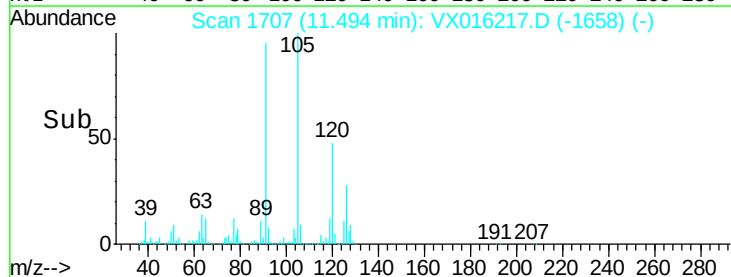
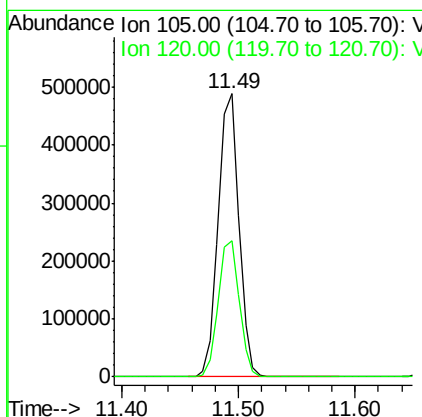
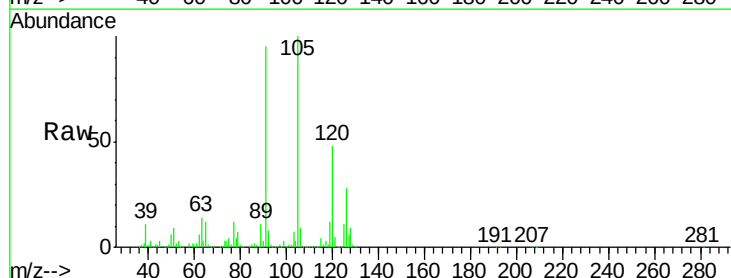
Manual Integrations
 APPROVED

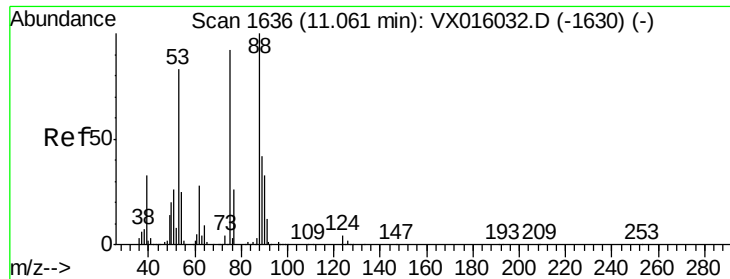
MMDadoda
 5/14/2020 12:16:06 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 47.655 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Tgt Ion: 105 Resp: 595700
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.6 74.0





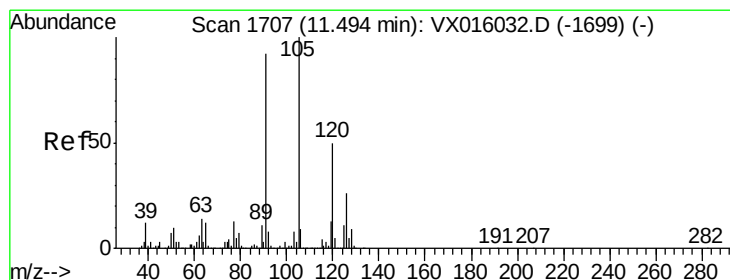
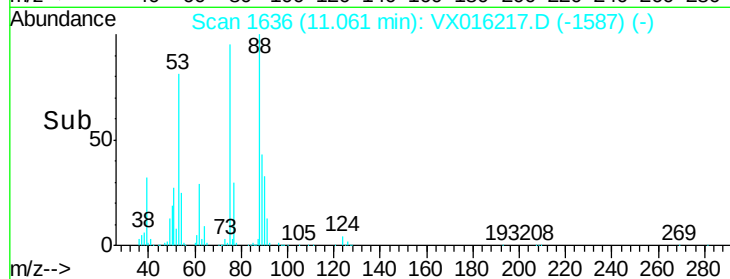
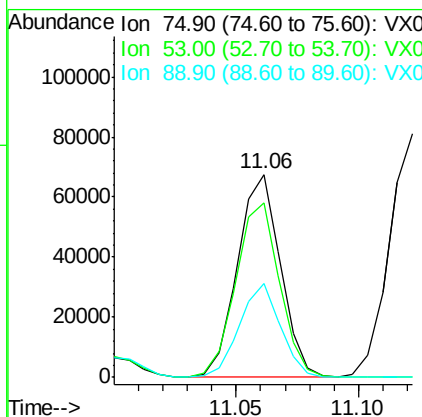
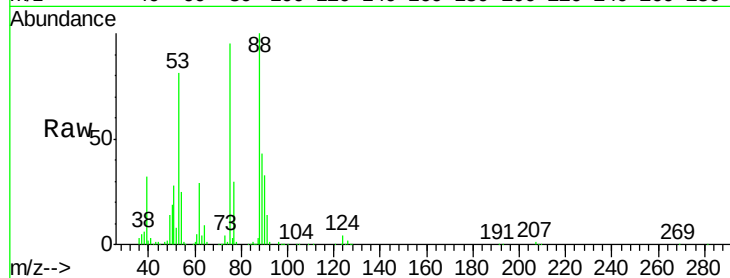
#81
trans-1,4-Dichloro-2-butene
Concen: 42.445 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.0	73.1	109.7
89	44.5	36.7	55.1

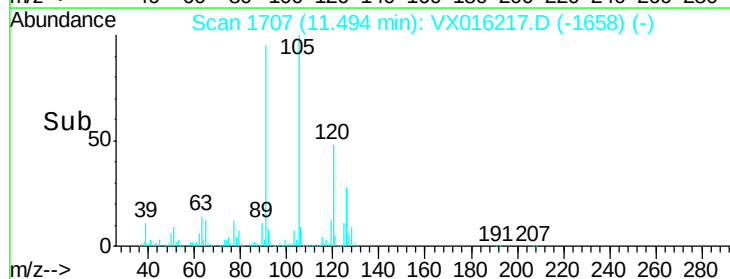
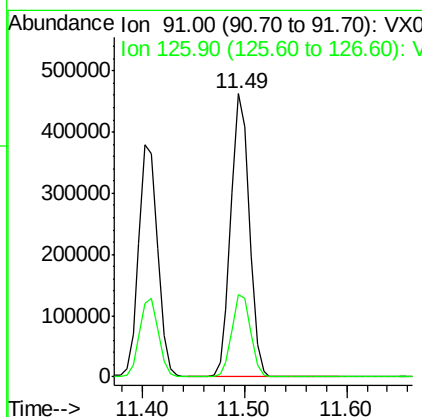
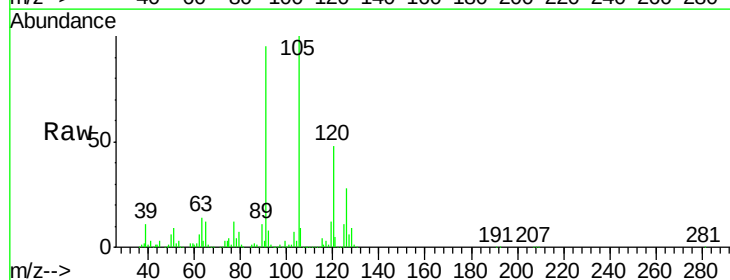
Manual Integrations
APPROVED

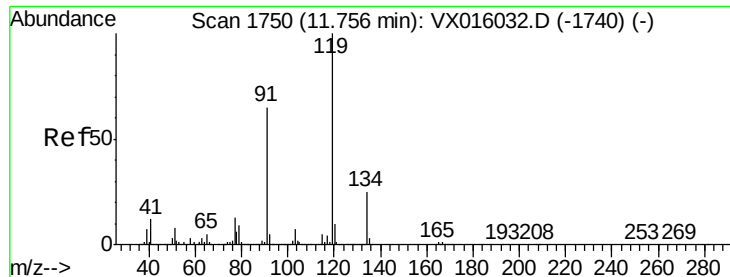
MMDadoda
5/14/2020 12:16:06 PM



#82
4-Chlorotoluene
Concen: 47.907 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.8	44.3





#83

tert-Butylbenzene

Concen: 48.278 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

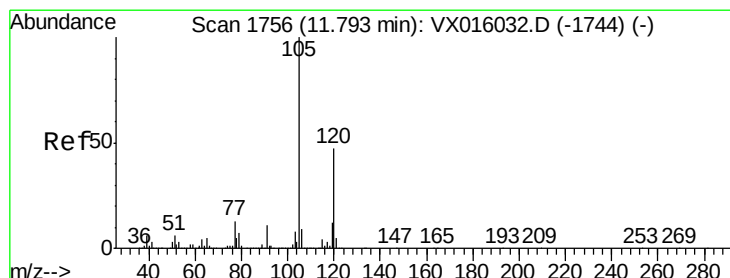
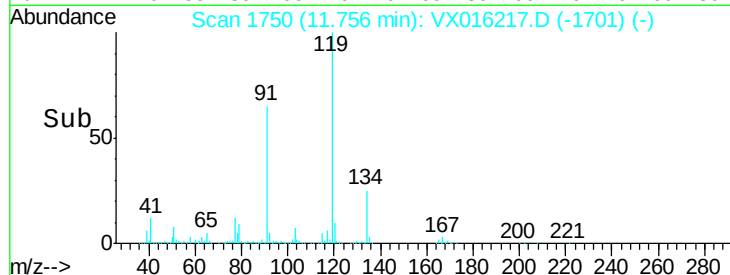
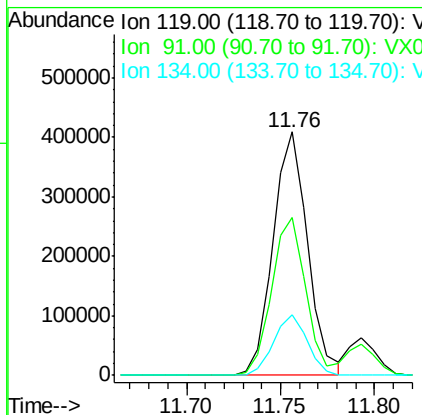
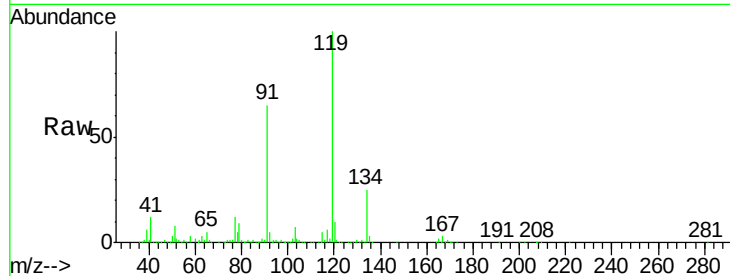
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	520074
Ion Ratio	Lower	Upper	
119	100		
91	63.6	32.8	98.4
134	24.2	12.4	37.0

Manual Integrations
APPROVED

MMDadoda
5/14/2020 12:16:06 PM



#84

1,2,4-Trimethylbenzene

Concen: 48.302 ug/l

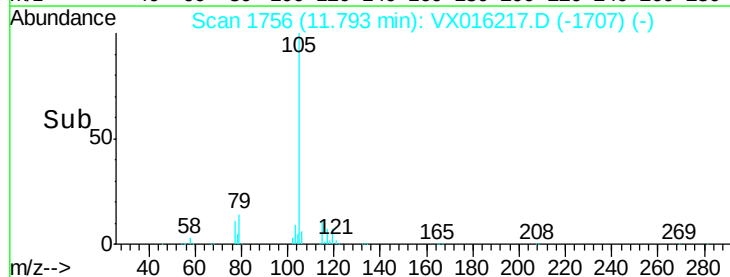
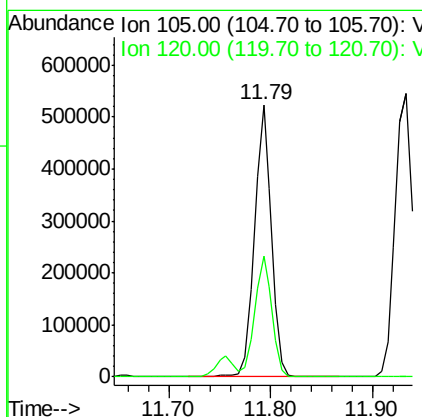
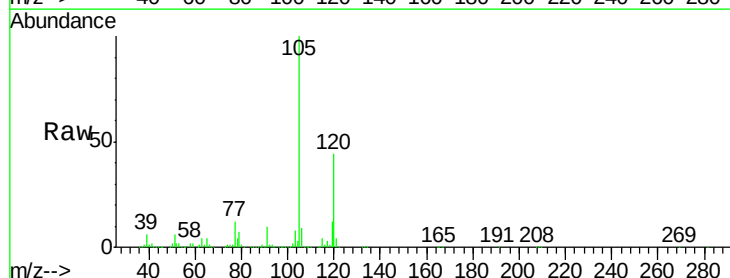
RT: 11.79 min Scan# 1756

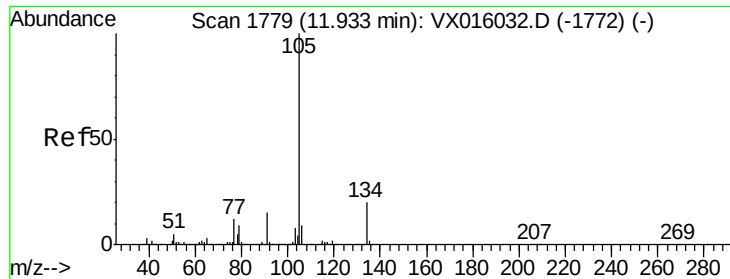
Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Tgt Ion:	105	Resp:	610423
Ion Ratio	Lower	Upper	
105	100		
120	45.2	23.0	69.0





#85

sec-Butylbenzene

Concen: 45.551 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 662533

Ion Ratio Lower Upper

105 100

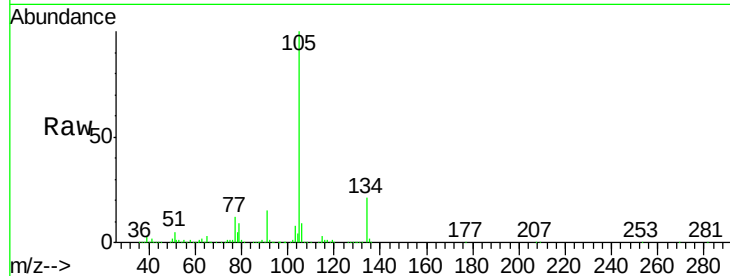
134 20.5 10.1 30.3

Manual Integrations

APPROVED

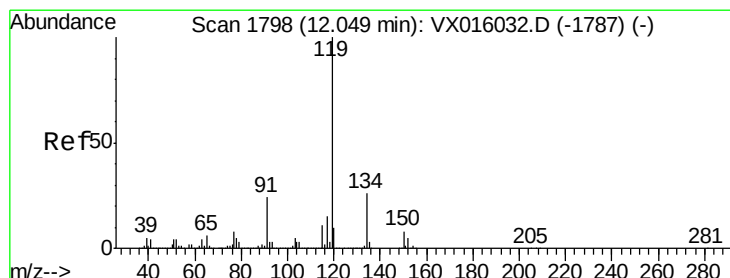
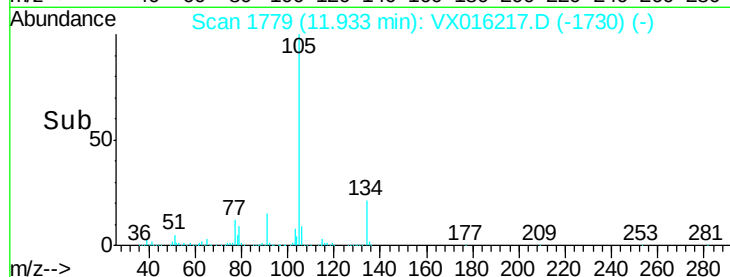
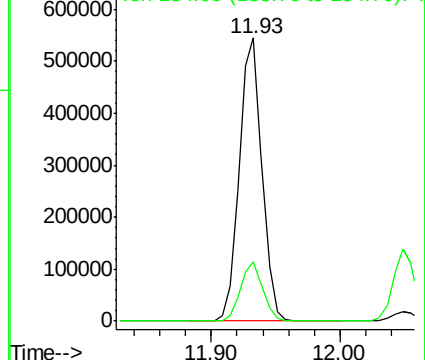
MMDadoda

5/14/2020 12:16:06 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.901 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016217.D

Acq: 14 May 2020 06:33

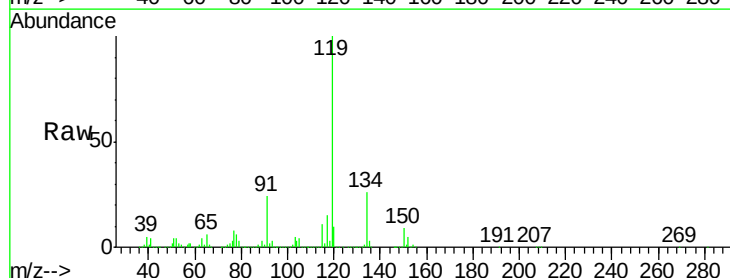
Tgt Ion:119 Resp: 619864

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

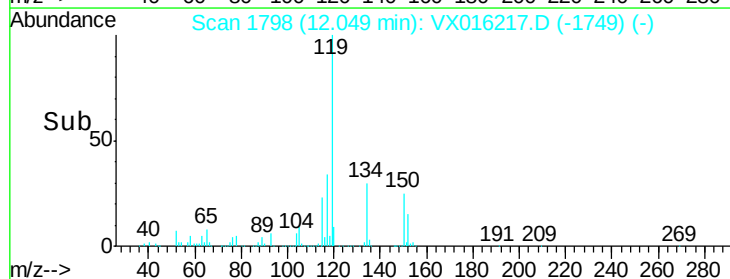
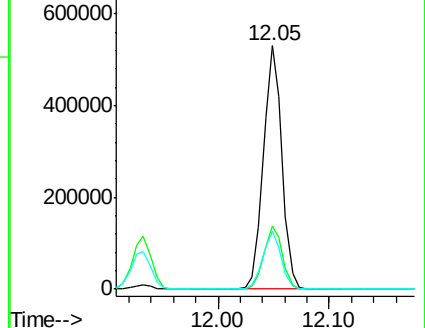
91 23.4 11.8 35.4

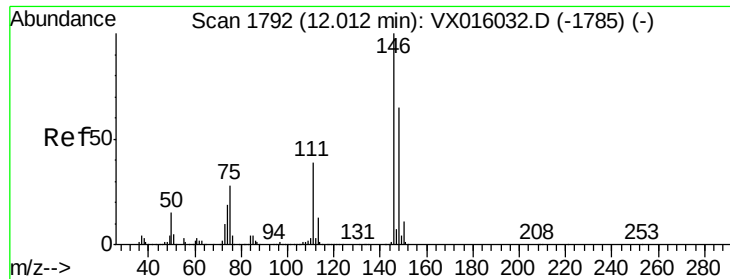


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





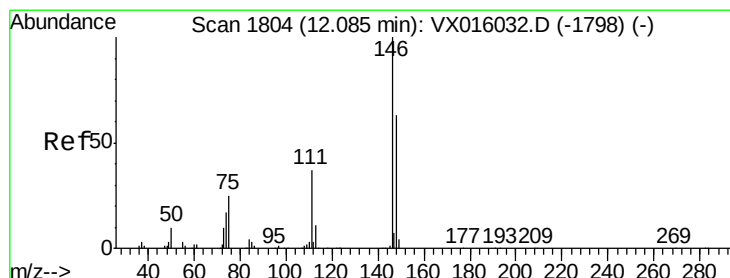
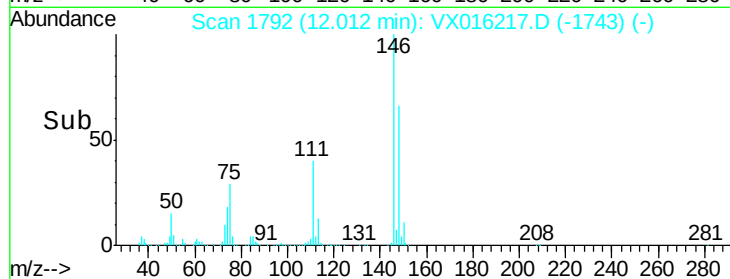
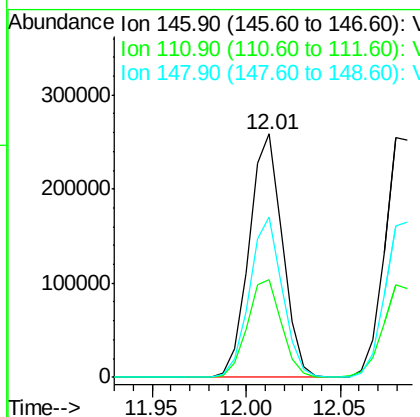
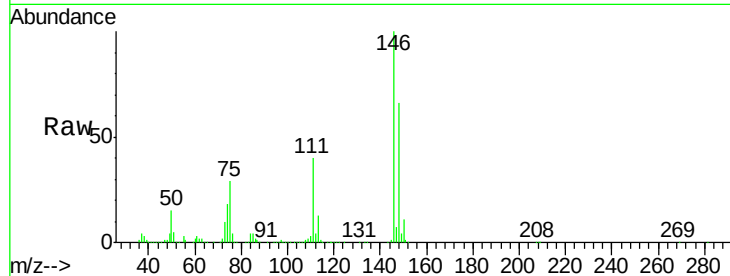
#87
 1,3-Dichlorobenzene
 Concen: 46.215 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.2	60.6
148	64.7	32.1	96.3

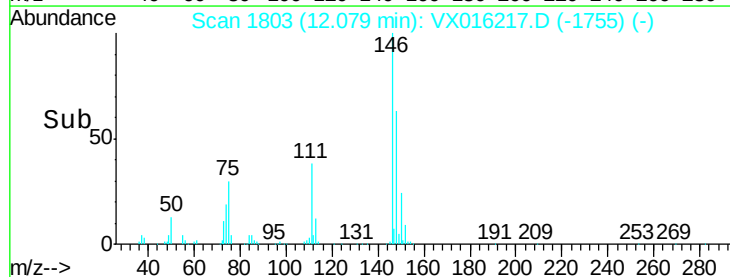
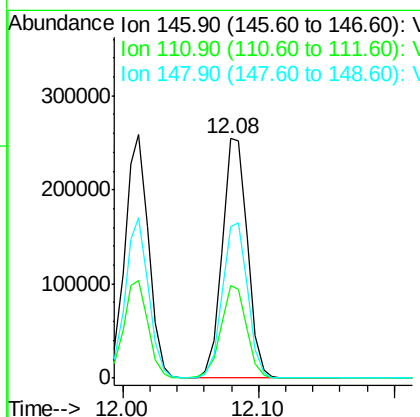
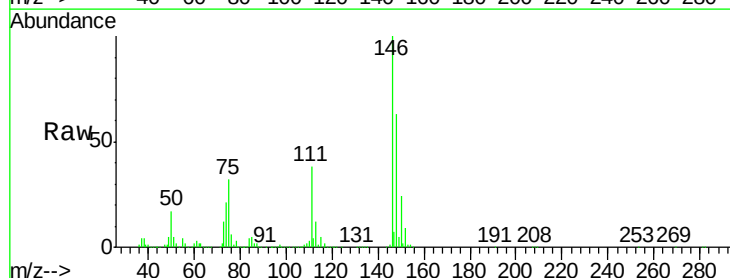
Manual Integrations
 APPROVED

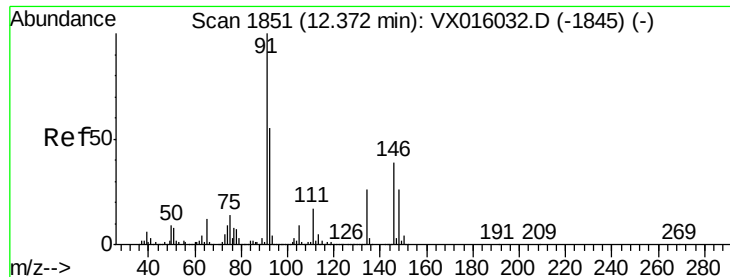
MMDadoda
 5/14/2020 12:16:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.918 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	64.7	31.8	95.3





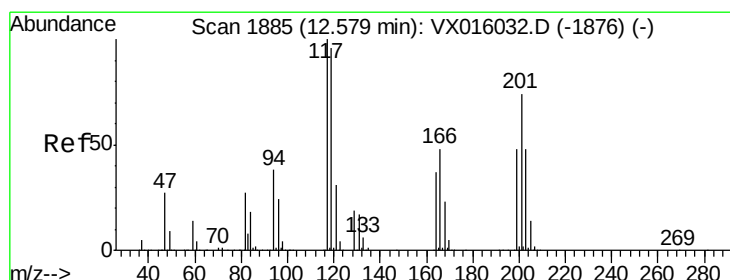
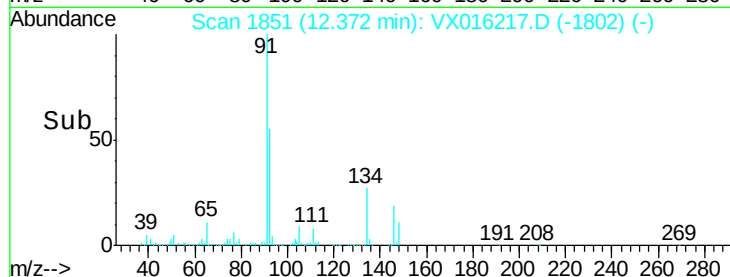
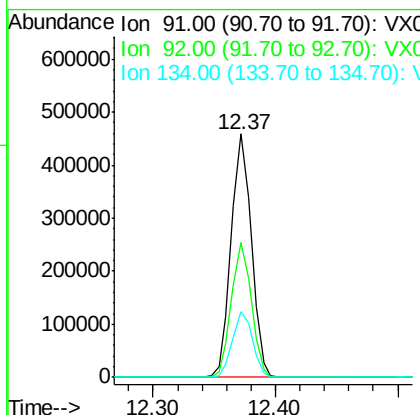
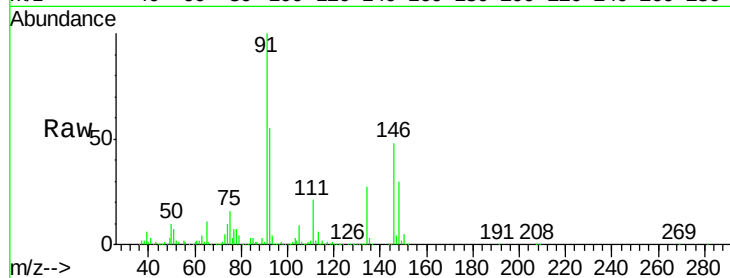
#89
n-Butylbenzene
Concen: 42.280 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.7
134	26.9	13.4	40.1

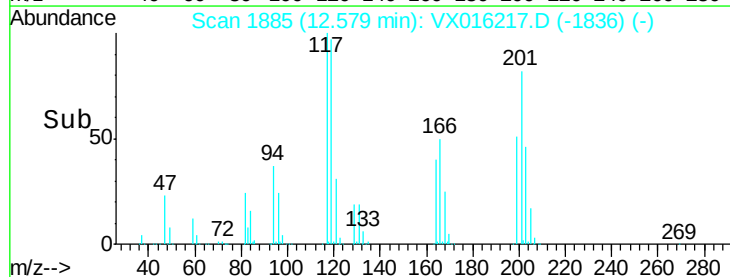
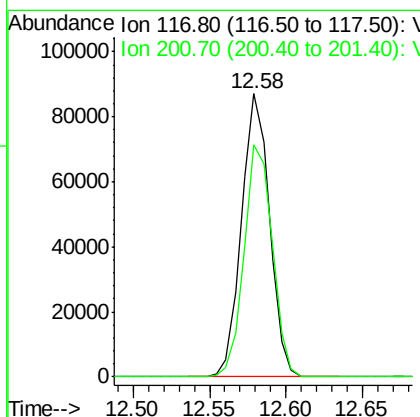
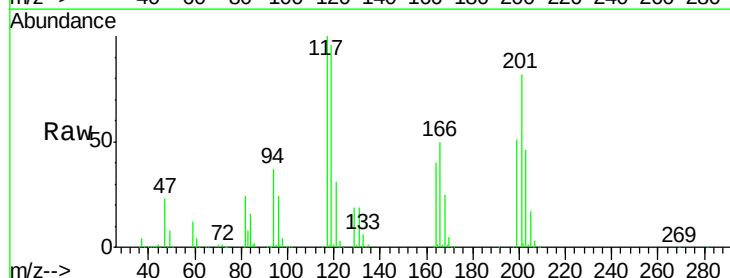
Manual Integrations
APPROVED

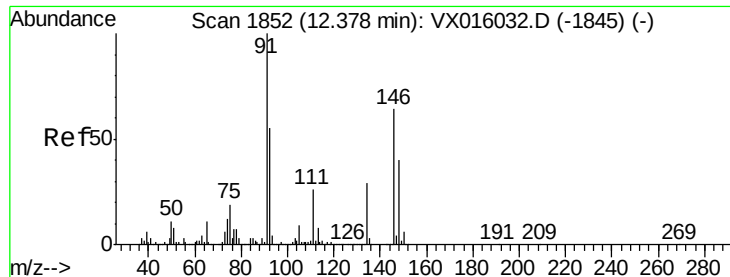
MMDadoda
5/14/2020 12:16:06 PM



#90
Hexachloroethane
Concen: 47.648 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.6	39.8	119.3





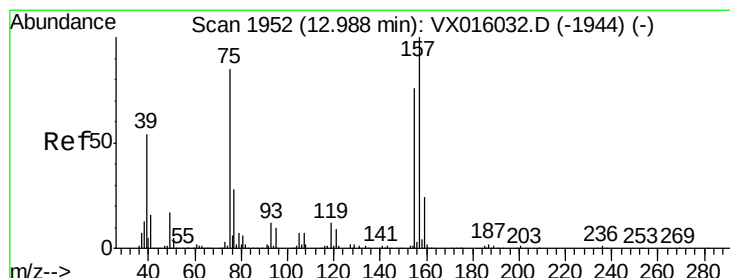
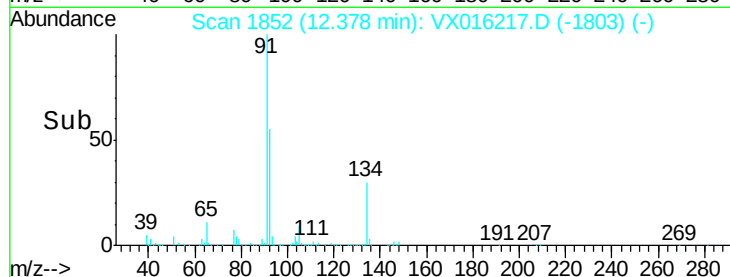
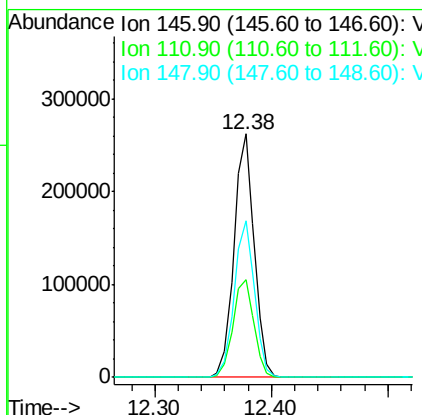
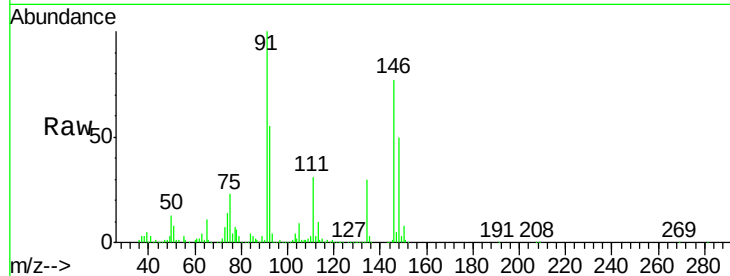
#91
 1,2-Dichlorobenzene
 Concen: 47.821 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.1
148	64.7	32.4	97.0

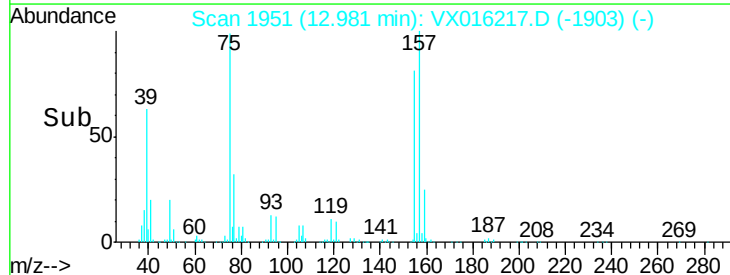
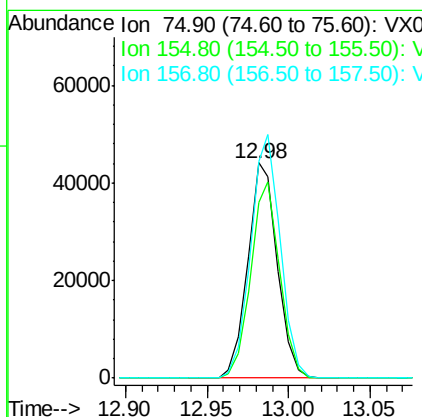
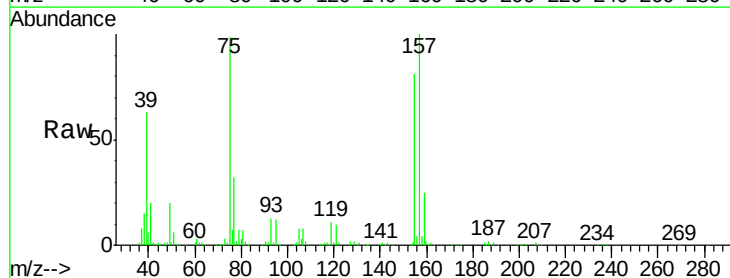
Manual Integrations
 APPROVED

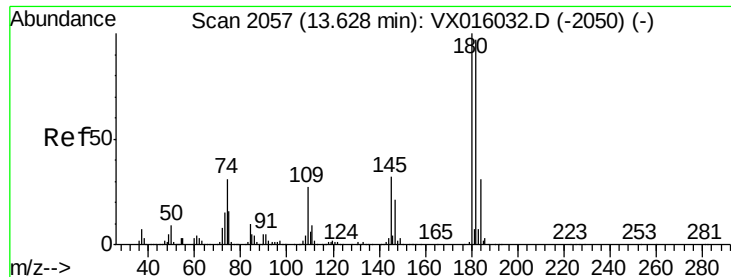
MMDadoda
 5/14/2020 12:16:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.711 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.0	42.5	127.5
157	113.0	55.3	165.8





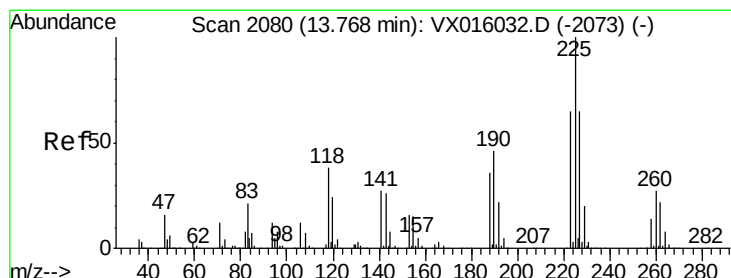
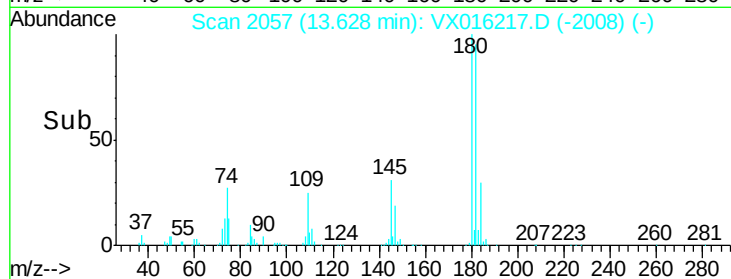
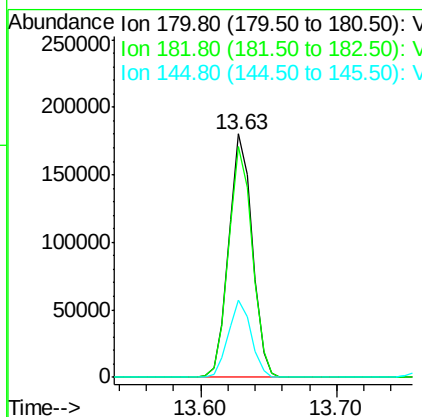
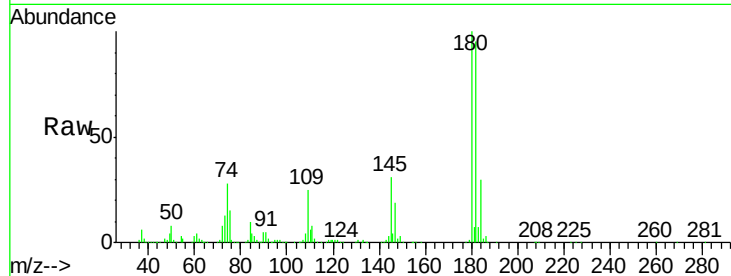
#93
 1,2,4-Trichlorobenzene
 Concen: 44.128 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	215849		
182	95.6	48.7	146.1	
145	31.0	15.7	47.1	

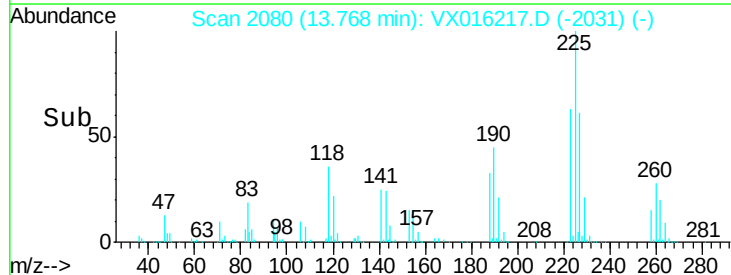
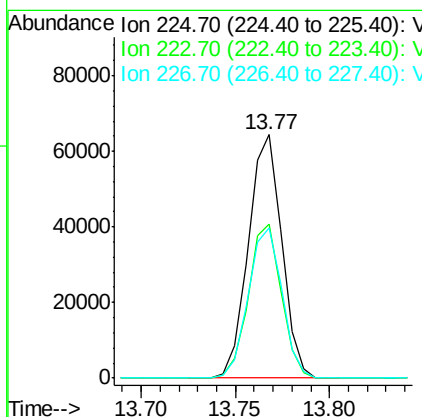
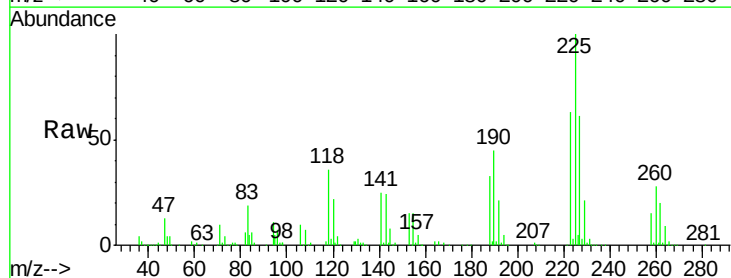
Manual Integrations
 APPROVED

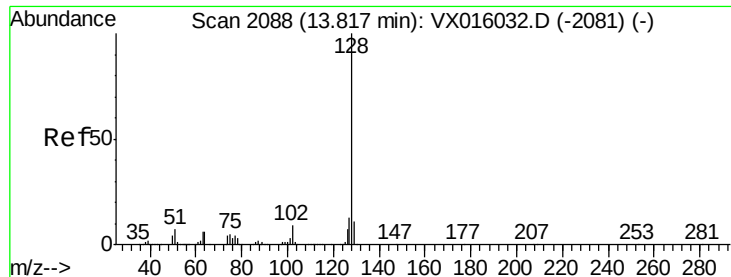
MMDadoda
 5/14/2020 12:16:06 PM



#94
 Hexachlorobutadiene
 Concen: 37.650 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016217.D
 Acq: 14 May 2020 06:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79026		
223	62.6	32.3	96.9	
227	62.3	31.8	95.4	





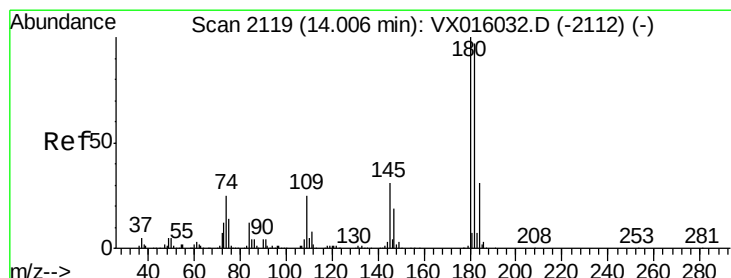
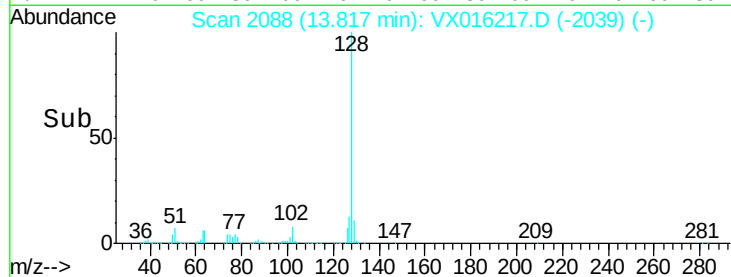
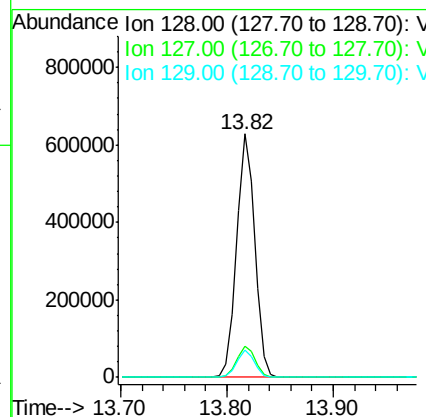
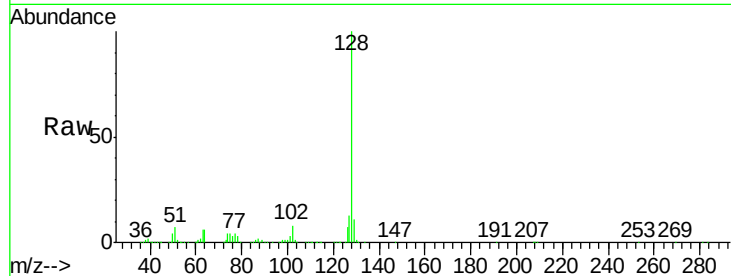
#95
Naphthalene
Concen: 47.716 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	128	Resp:	755751
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/14/2020 12:16:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.132 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX016217.D
Acq: 14 May 2020 06:33

Tgt Ion:	180	Resp:	220531
Ion Ratio	Lower	Upper	
180	100		
182	94.5	48.4	145.0
145	31.6	16.4	49.1

