

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050720\
 Data File : VX016083.D
 Acq On : 07 May 2020 09:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 11:53:55 AM

Quant Time: May 08 03:41:54 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	339728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	524565	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	481169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	248676	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	196379	43.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.86%	
35) Dibromofluoromethane	5.46	113	153354	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
50) Toluene-d8	8.70	98	593643	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
62) 4-Bromofluorobenzene	11.12	95	228142	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.18	85	171675	47.742	ug/l	99
3) Chloromethane	1.31	50	190218	45.549	ug/l	100
4) Vinyl Chloride	1.39	62	202706	45.496	ug/l	99
5) Bromomethane	1.62	94	98778	43.976	ug/l	96
6) Chloroethane	1.71	64	124928	46.083	ug/l	99
7) Trichlorofluoromethane	1.92	101	267716	45.769	ug/l	99
8) Diethyl Ether	2.17	74	106760	43.318	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	153882	45.599	ug/l	99
10) Methyl Iodide	2.49	142	201920	44.544	ug/l	99
11) Tert butyl alcohol	3.01	59	235478	208.301	ug/l	100
12) 1,1-Dichloroethene	2.36	96	155205	43.949	ug/l	92
13) Acrolein	2.27	56	134714	190.433	ug/l	100
14) Allyl chloride	2.70	41	297452	45.937	ug/l	98
15) Acrylonitrile	3.11	53	516864	220.396	ug/l	99
16) Acetone	2.42	43	416231	208.670	ug/l	96
17) Carbon Disulfide	2.55	76	484088	45.628	ug/l	100
18) Methyl Acetate	2.75	43	219732	44.803	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	571538	46.947	ug/l	99
20) Methylene Chloride	2.83	84	181558	44.153	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	177851	45.192	ug/l	98
22) Diisopropyl ether	3.82	45	571017	46.744	ug/l	91
23) Vinyl Acetate	3.78	43	2514551	233.970	ug/l	100
24) 1,1-Dichloroethane	3.67	63	319301	46.726	ug/l	99
25) 2-Butanone	4.63	43	686165	213.476	ug/l	99
26) 2,2-Dichloropropane	4.55	77	292410	46.855	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	197876	45.992	ug/l	99
28) Bromochloromethane	4.98	49	144820	46.477	ug/l	100
29) Tetrahydrofuran	5.08	42	463961	217.846	ug/l	100
30) Chloroform	5.18	83	316983	46.588	ug/l	99
31) Cyclohexane	5.54	56	295023	47.505	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	288573	46.660	ug/l	100
36) 1,1-Dichloropropene	5.76	75	245700	47.583	ug/l	99
37) Ethyl Acetate	4.79	43	272662	45.559	ug/l	99
38) Carbon Tetrachloride	5.75	117	256641	48.899	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050720\
 Data File : VX016083.D
 Acq On : 07 May 2020 09:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 11:53:55 AM

Quant Time: May 08 03:41:54 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	305887	49.191	ug/l	97
40) Benzene	6.11	78	721747	47.771	ug/l	100
41) Methacrylonitrile	5.00	41	147675	45.691	ug/l	99
42) 1,2-Dichloroethane	6.16	62	253637	46.603	ug/l	100
43) Isopropyl Acetate	6.41	43	445660	46.671	ug/l	100
44) Trichloroethene	7.19	130	265197	49.408	ug/l	99
45) 1,2-Dichloropropane	7.49	63	186199	48.706	ug/l	99
46) Dibromomethane	7.63	93	122631	47.203	ug/l	99
47) Bromodichloromethane	7.87	83	258282	48.814	ug/l	100
48) Methyl methacrylate	7.74	41	210389	46.498	ug/l	98
49) 1,4-Dioxane	7.71	88	96383	888.176	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	1363414	233.327	ug/l	100
52) Toluene	8.76	92	456130	48.435	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	303783	48.153	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	320316	48.610	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	177243	47.837	ug/l	99
56) Ethyl methacrylate	9.16	69	296512	49.027	ug/l	98
57) 1,3-Dichloropropane	9.35	76	312766	48.378	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	775930	240.989	ug/l	100
59) 2-Hexanone	9.47	43	1070580	233.296	ug/l	99
60) Dibromochloromethane	9.57	129	207265	50.792	ug/l	99
61) 1,2-Dibromoethane	9.65	107	192630	47.998	ug/l	99
64) Tetrachloroethene	9.32	164	295944	50.101	ug/l	98
65) Chlorobenzene	10.12	112	487247	48.361	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	183406	49.251	ug/l	99
67) Ethyl Benzene	10.23	91	881780	49.052	ug/l	99
68) m/p-Xylenes	10.34	106	672761	99.888	ug/l	99
69) o-Xylene	10.68	106	318687	49.225	ug/l	99
70) Styrene	10.70	104	554291	50.467	ug/l	100
71) Bromoform	10.84	173	156424	51.558	ug/l	100
73) Isopropylbenzene	11.00	105	871379	48.176	ug/l	100
74) N-amyl acetate	10.88	43	385471	45.690	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	135733	39.455	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	263576m	46.708	ug/l	
77) Bromobenzene	11.24	156	215270	46.110	ug/l	99
78) n-propylbenzene	11.34	91	1008347	47.921	ug/l	100
79) 2-Chlorotoluene	11.40	91	588798	47.406	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	739223	48.405	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	111404	47.046	ug/l #	89
82) 4-Chlorotoluene	11.49	91	697095	47.528	ug/l	100
83) tert-Butylbenzene	11.76	119	632795	48.081	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	747325	48.403	ug/l	99
85) sec-Butylbenzene	11.93	105	855953	48.169	ug/l	99
86) p-Isopropyltoluene	12.05	119	804936	48.789	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	394794	47.096	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	394911	46.415	ug/l	100
89) n-Butylbenzene	12.37	91	738397	48.991	ug/l	99
90) Hexachloroethane	12.58	117	139296	49.162	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	375011	46.460	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	63476	42.680	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050720\
Data File : VX016083.D
Acq On : 07 May 2020 09:55
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

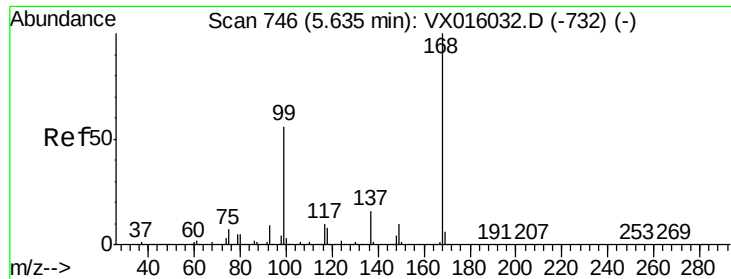
Manual Integrations
APPROVED

MMDadoda
5/8/2020 11:53:55 AM

Quant Time: May 08 03:41:54 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	280055	46.864	ug/l	99
94) Hexachlorobutadiene	13.77	225	137023	53.215	ug/l	97
95) Naphthalene	13.82	128	901526	46.590	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	288325	49.368	ug/l	96

(#) = 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: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 339728

Ion Ratio Lower Upper

168 100

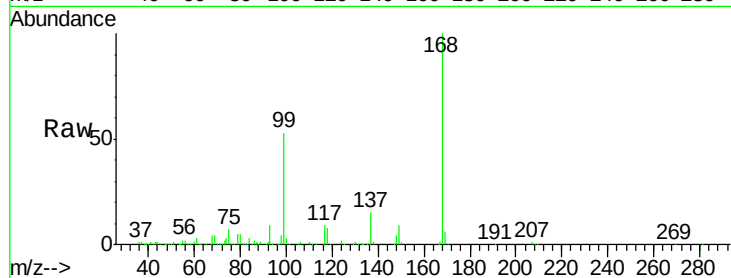
99 52.5 45.0 67.4

Manual Integrations

APPROVED

MMDadoda

5/8/2020 11:53:55 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

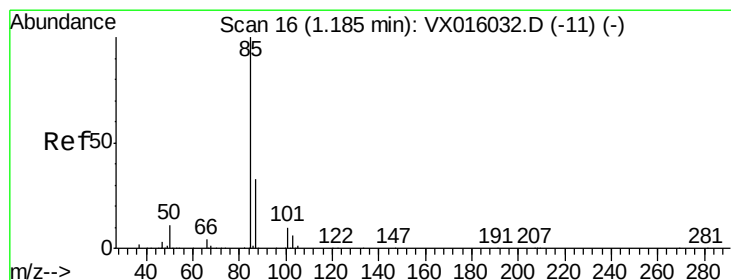
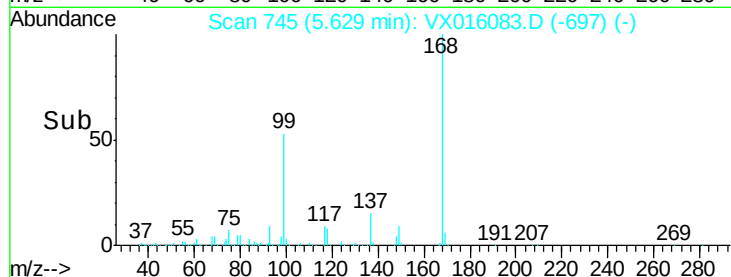
5.63

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.742 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016083.D

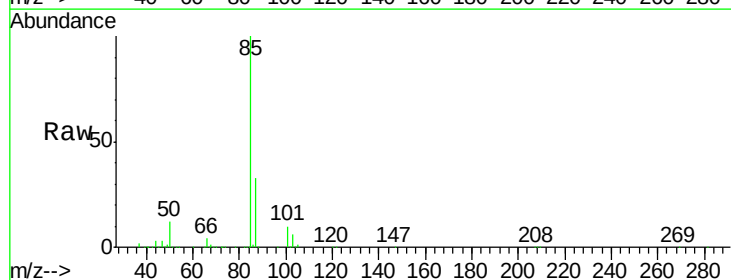
Acq: 07 May 2020 09:55

Tgt Ion: 85 Resp: 171675

Ion Ratio Lower Upper

85 100

87 33.2 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

200000

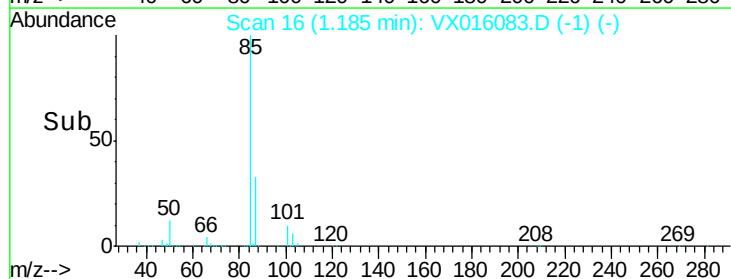
150000

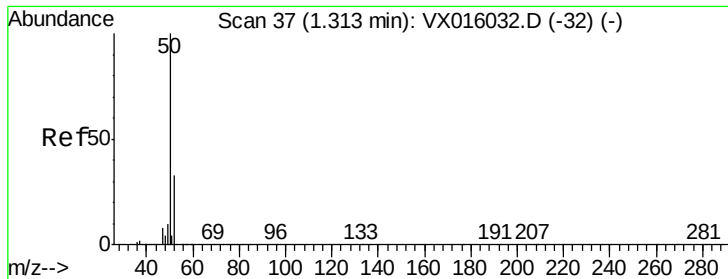
100000

50000

0

Time-->





#3

Chloromethane

Concen: 45.549 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 190218

Ion Ratio Lower Upper

50 100

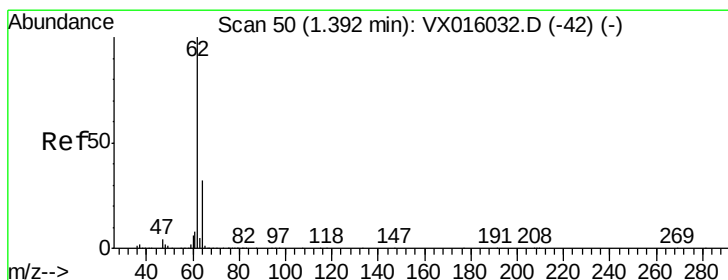
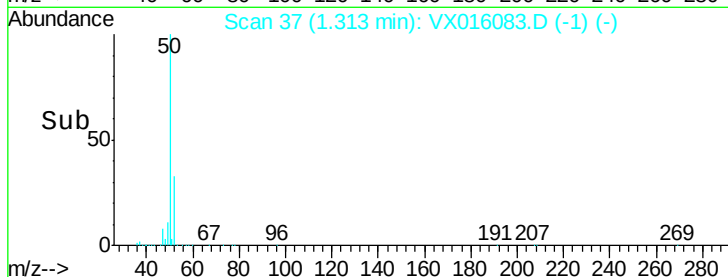
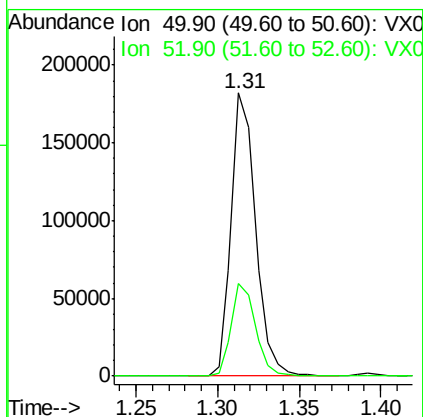
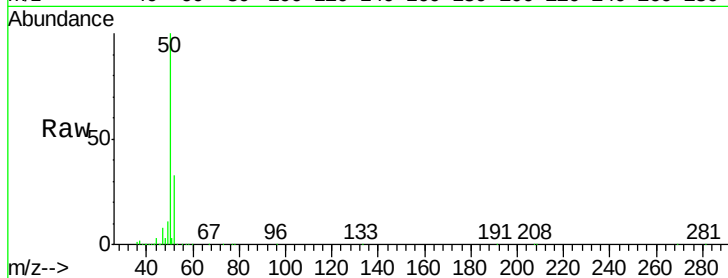
52 32.7 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

5/8/2020 11:53:55 AM



#4

Vinyl Chloride

Concen: 45.496 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016083.D

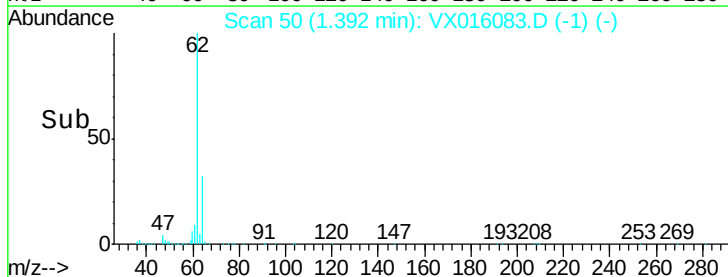
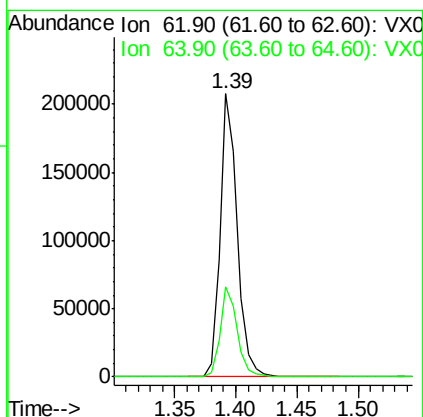
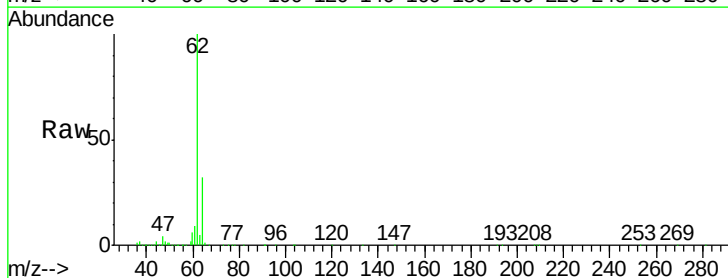
Acq: 07 May 2020 09:55

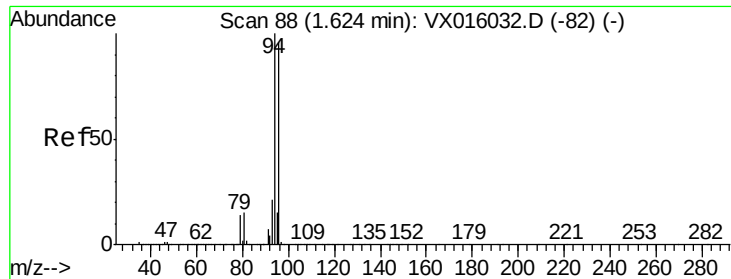
Tgt Ion: 62 Resp: 202706

Ion Ratio Lower Upper

62 100

64 31.8 25.7 38.5





#5

Bromomethane

Concen: 43.976 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 98778

Ion Ratio Lower Upper

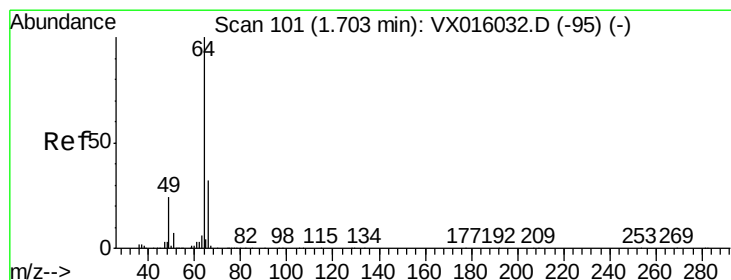
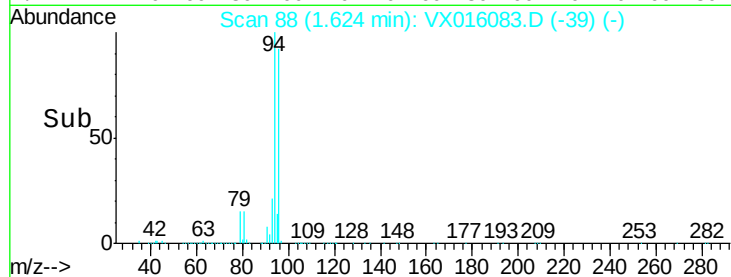
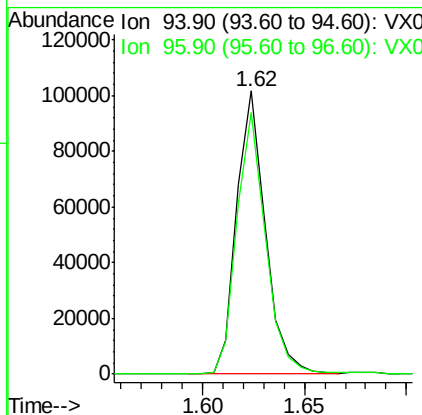
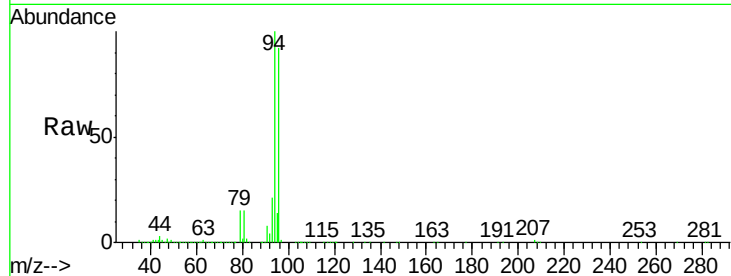
94 100

96 92.2 76.9 115.3

Manual Integrations
APPROVED

MMDadoda

5/8/2020 11:53:55 AM



#6

Chloroethane

Concen: 46.083 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.01 min

Lab File: VX016083.D

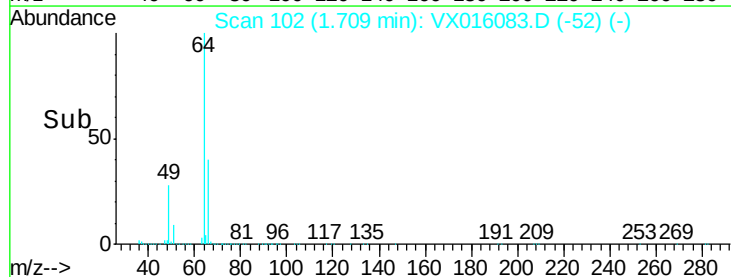
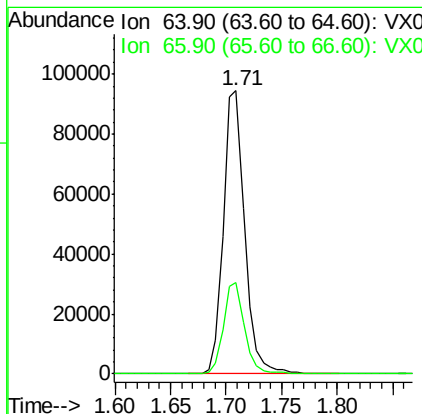
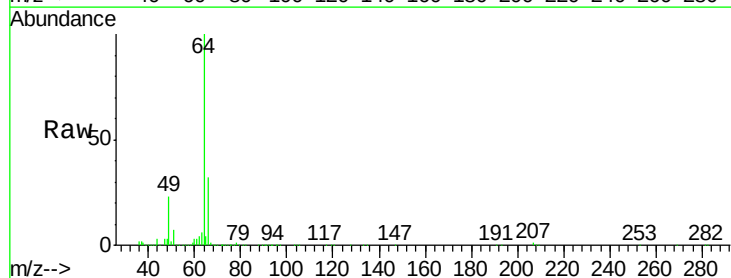
Acq: 07 May 2020 09:55

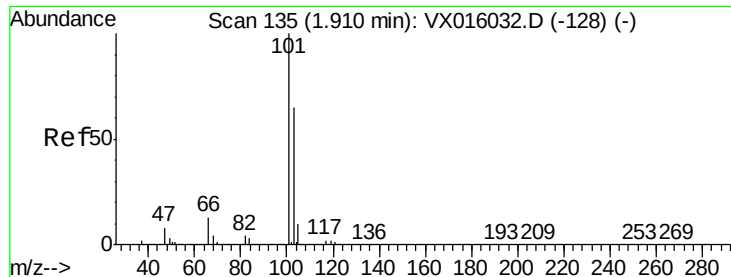
Tgt Ion: 64 Resp: 124928

Ion Ratio Lower Upper

64 100

66 32.2 25.2 37.8





#7

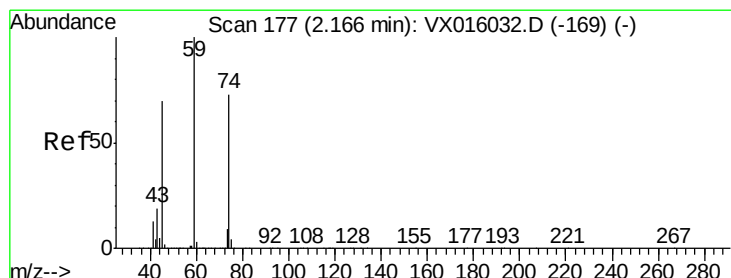
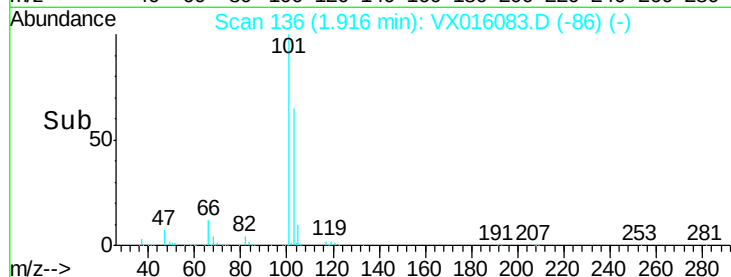
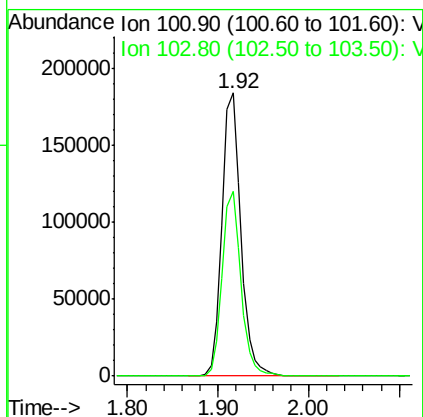
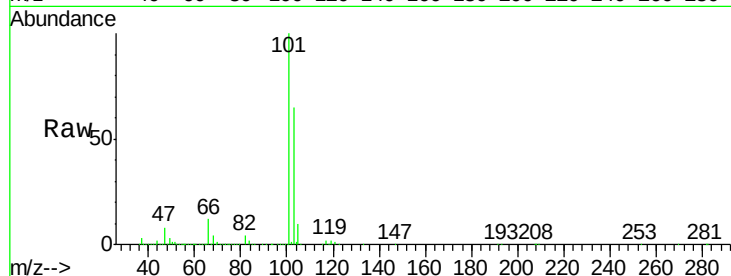
Trichlorofluoromethane
Concen: 45.769 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.8	77.6

Manual Integrations
APPROVED

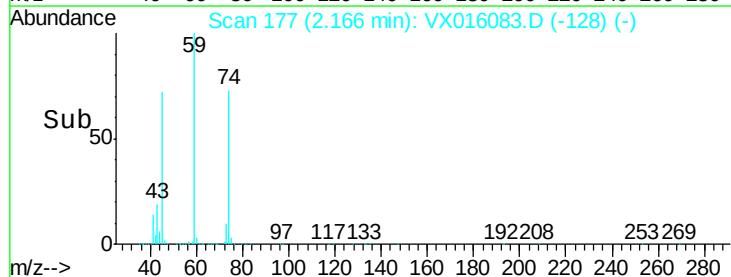
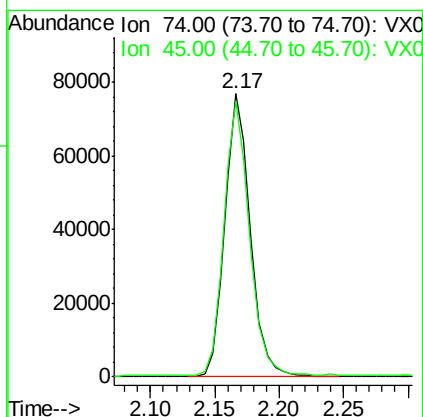
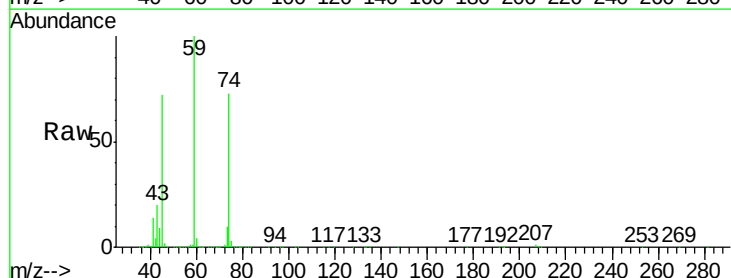
MMDadoda
5/8/2020 11:53:55 AM

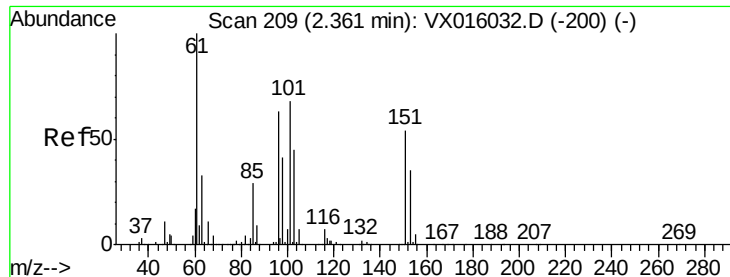


#8

Diethyl Ether
Concen: 43.318 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	47.3	142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.599 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

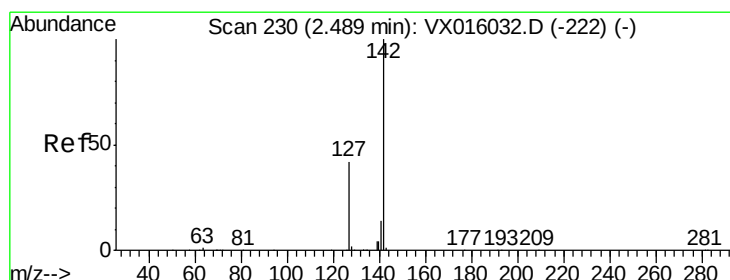
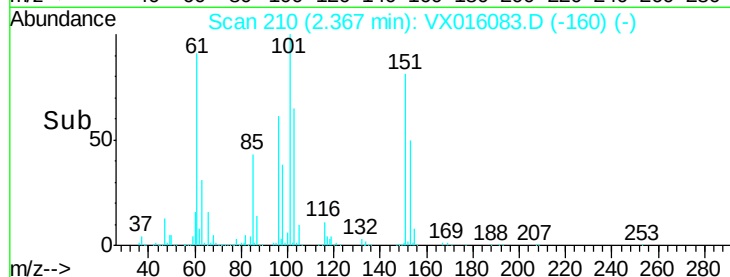
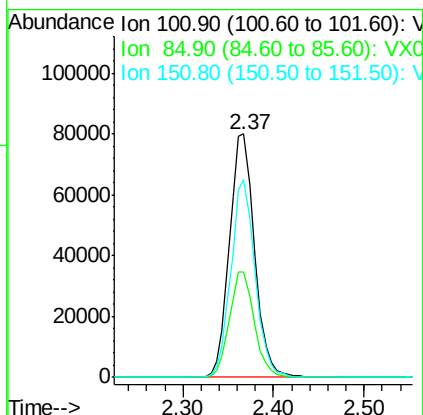
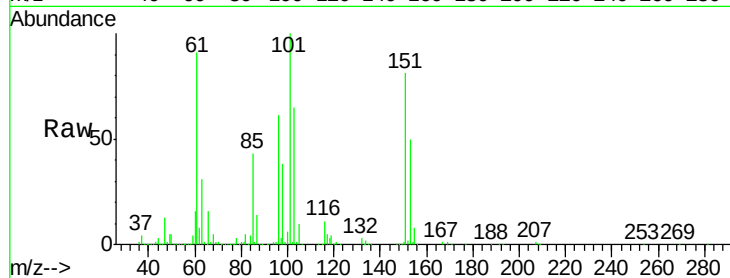
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	153882
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.2	51.4
151	78.3	62.1	93.1

Manual Integrations
APPROVED

MMDadoda
5/8/2020 11:53:55 AM



#10

Methyl Iodide

Concen: 44.544 ug/l

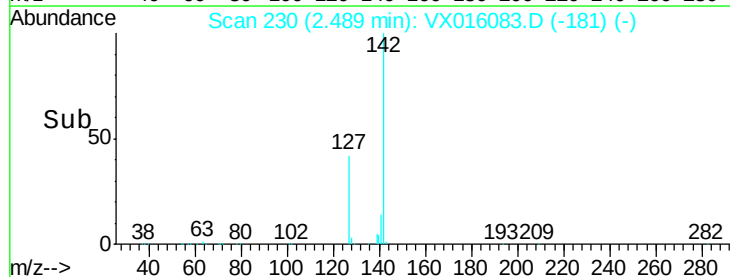
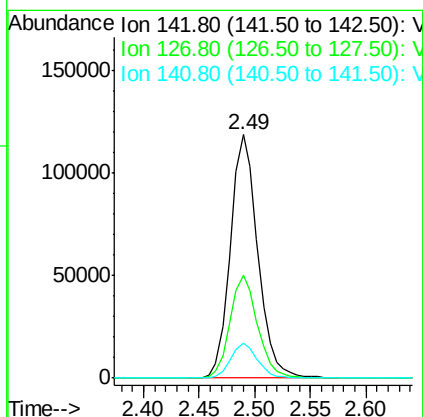
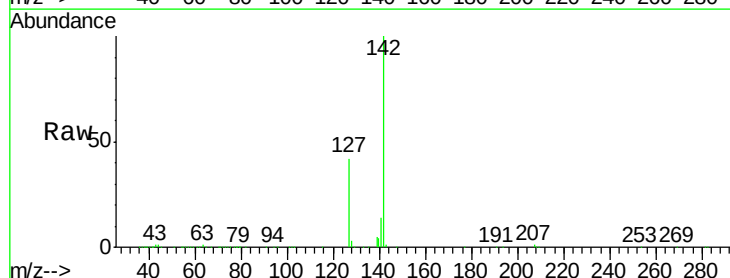
RT: 2.49 min Scan# 230

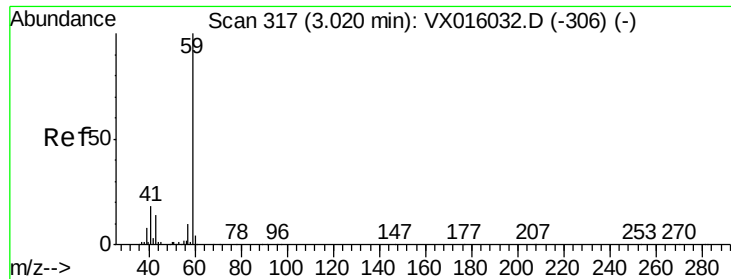
Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Tgt Ion:	142	Resp:	201920
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.6	52.0
141	14.2	11.3	16.9





#11

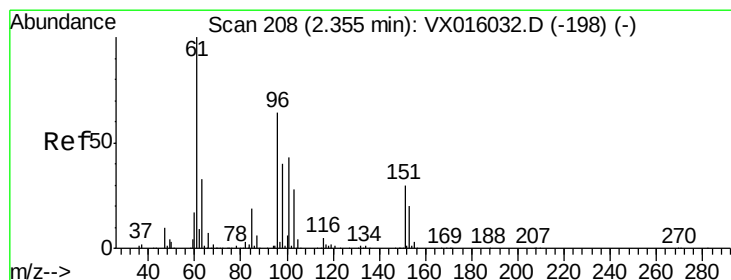
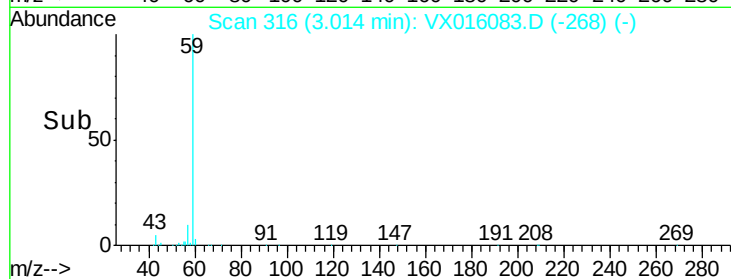
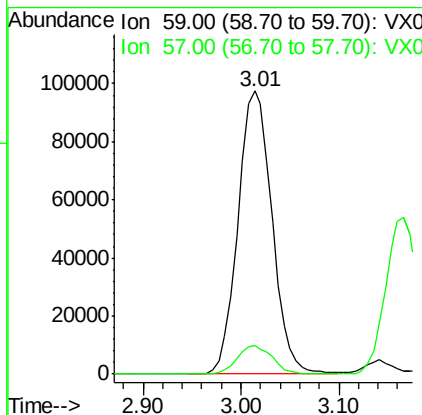
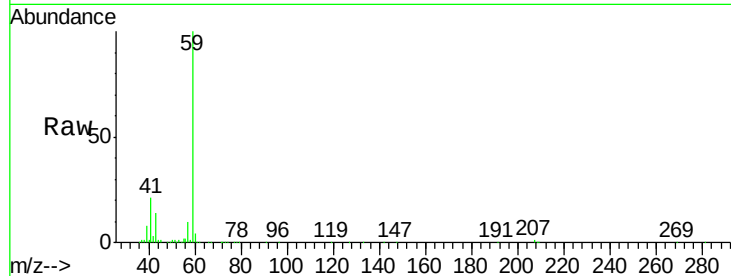
Tert butyl alcohol
 Concen: 208.301 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX016083.D
 Acq: 07 May 2020 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

Manual Integrations
 APPROVED

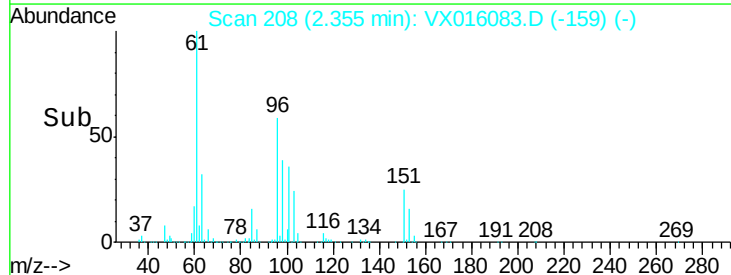
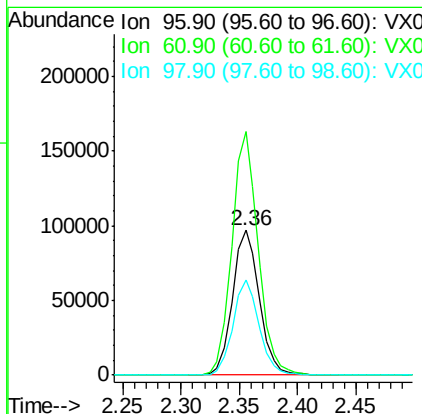
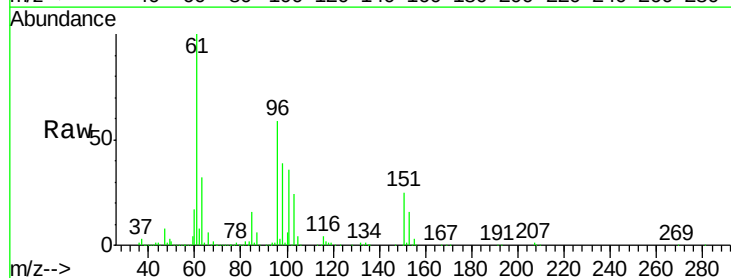
MMDadoda
 5/8/2020 11:53:55 AM

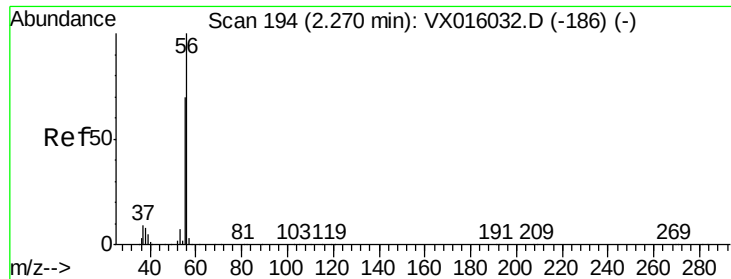


#12

1,1-Dichloroethene
 Concen: 43.949 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016083.D
 Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.6	124.8	187.2
98	65.5	49.7	74.5





#13

Acrolein

Concen: 190.433 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 134714

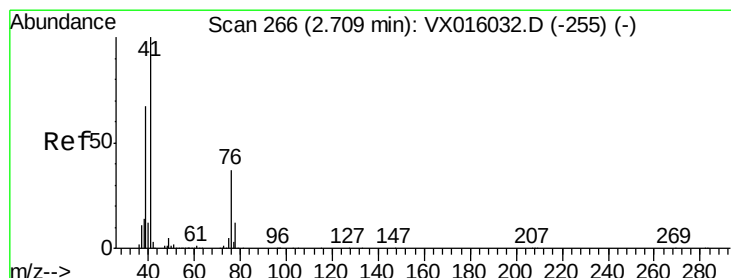
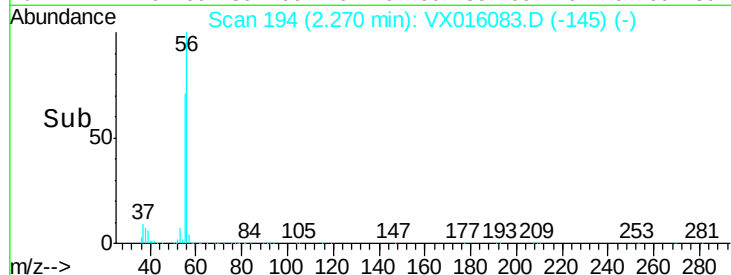
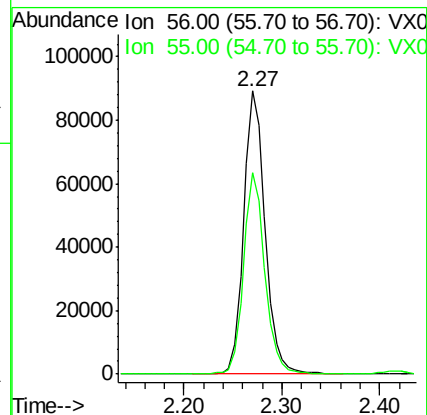
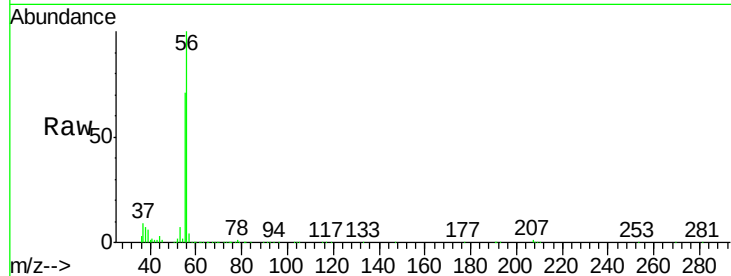
Ion Ratio Lower Upper

56 100

55 70.9 56.5 84.7

Manual Integrations
APPROVED

MMDadoda
5/8/2020 11:53:55 AM



#14

Allyl chloride

Concen: 45.937 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

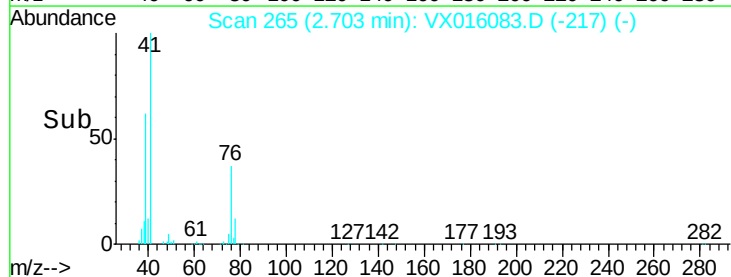
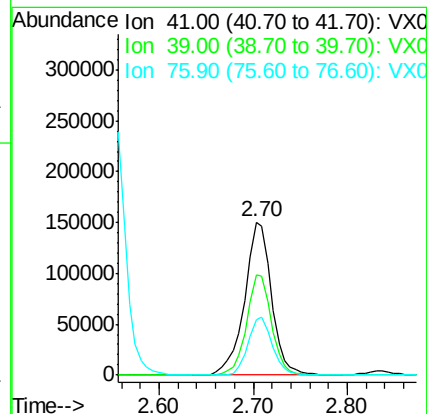
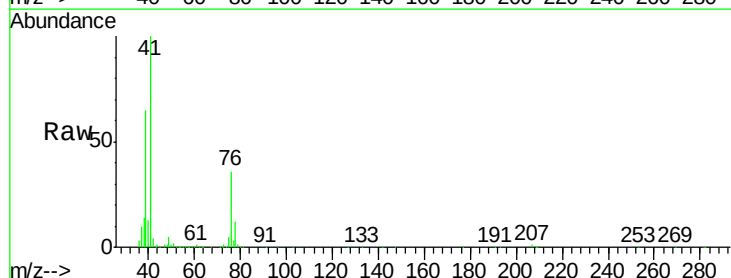
Tgt Ion: 41 Resp: 297452

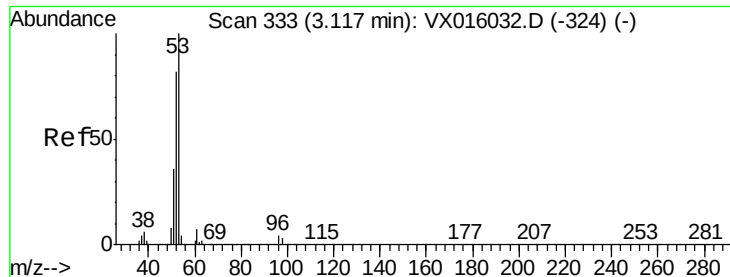
Ion Ratio Lower Upper

41 100

39 60.9 50.5 75.7

76 33.7 26.6 40.0





#15

Acrylonitrile

Concen: 220.396 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

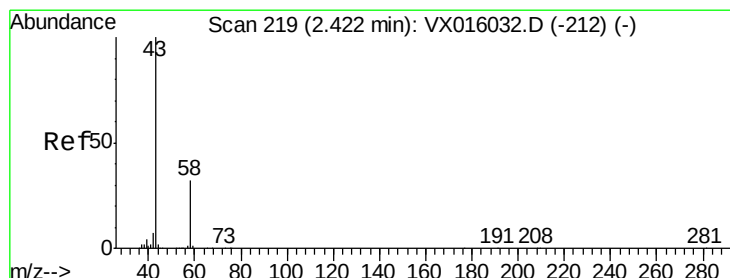
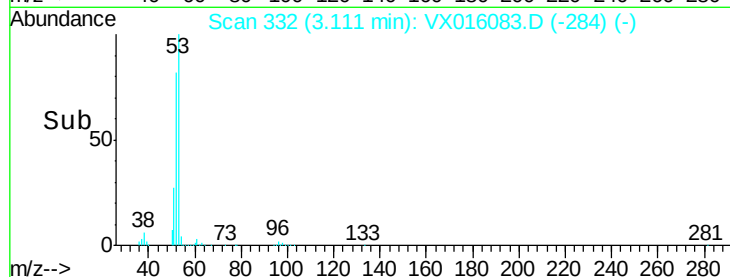
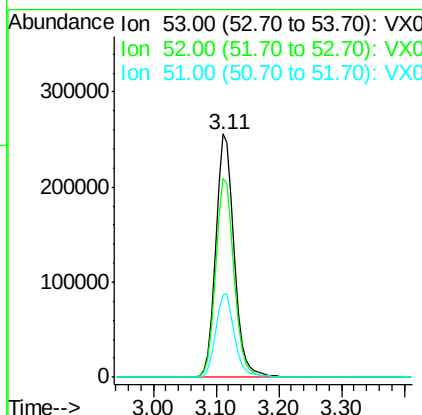
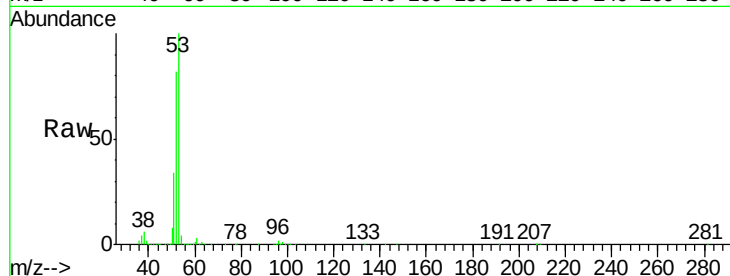
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	516864
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.1	99.1
51	35.4	28.8	43.2

Manual Integrations
APPROVED

MMDadoda
5/8/2020 11:53:55 AM



#16

Acetone

Concen: 208.670 ug/l

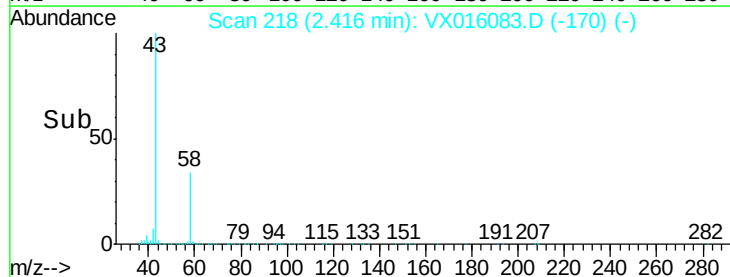
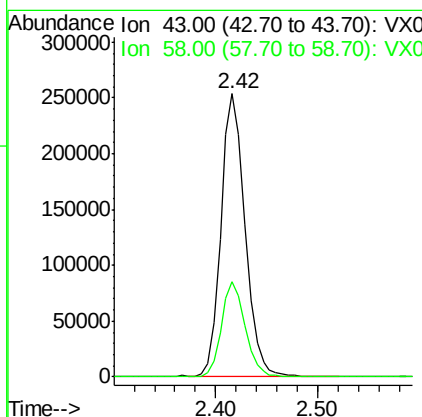
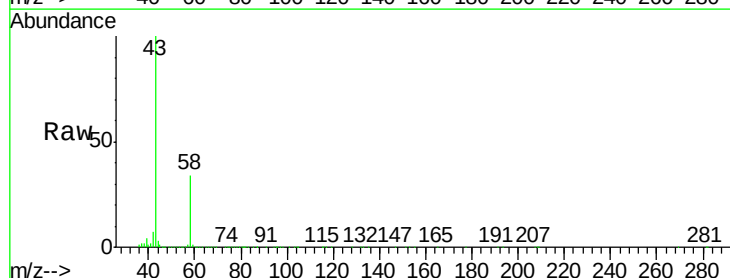
RT: 2.42 min Scan# 218

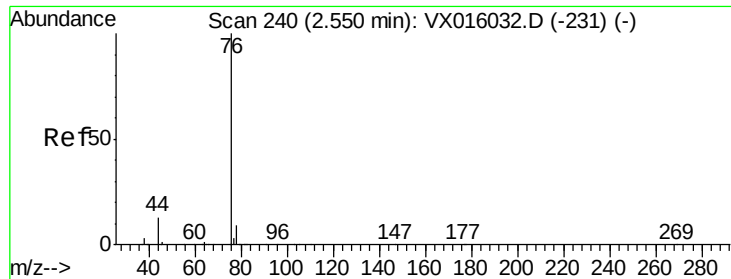
Delta R.T. -0.01 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Tgt Ion:	43	Resp:	416231
Ion	Ratio	Lower	Upper
43	100		
58	33.8	25.4	38.0





#17

Carbon Disulfide

Concen: 45.628 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 484088

Ion Ratio Lower Upper

76 100

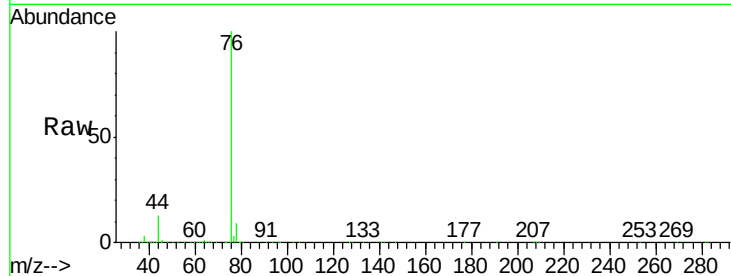
78 9.3 7.5 11.3

Manual Integrations

APPROVED

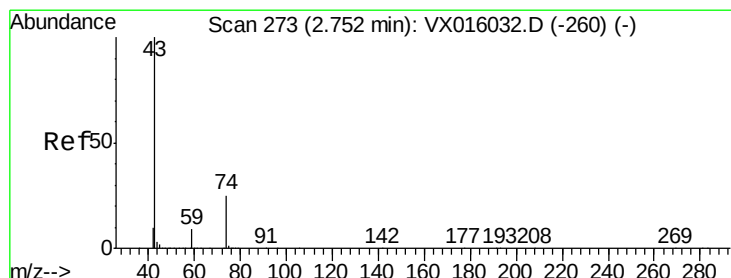
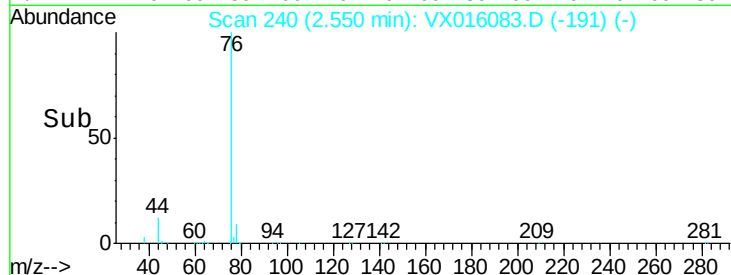
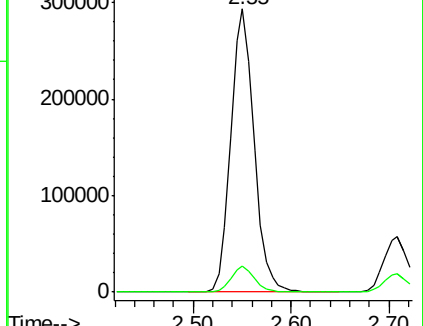
MMDadoda

5/8/2020 11:53:55 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 44.803 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX016083.D

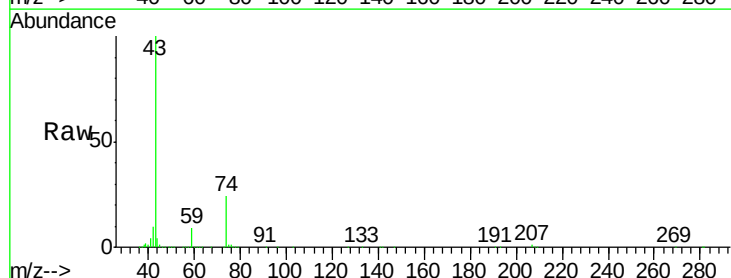
Acq: 07 May 2020 09:55

Tgt Ion: 43 Resp: 219732

Ion Ratio Lower Upper

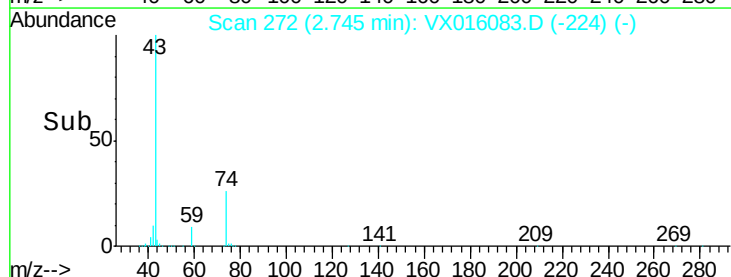
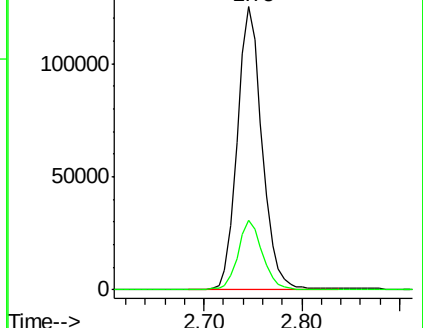
43 100

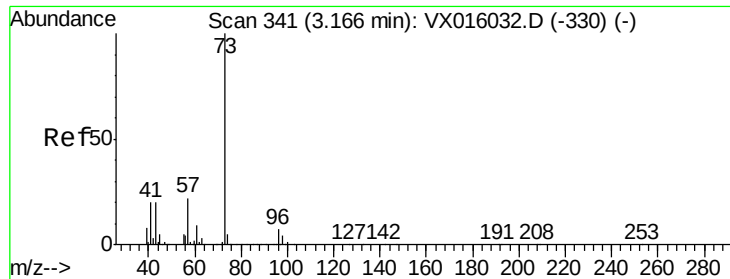
74 24.7 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





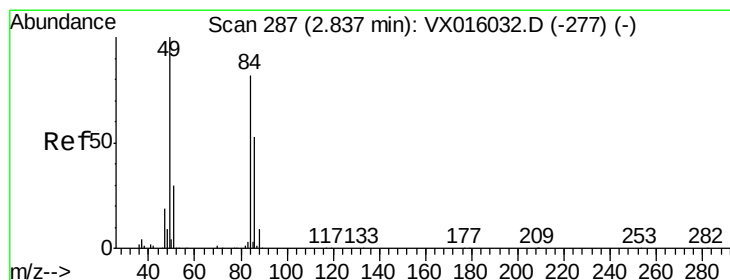
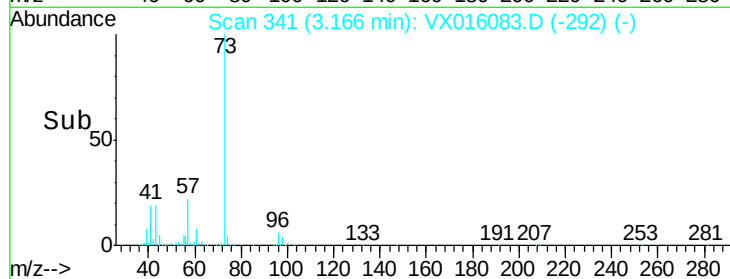
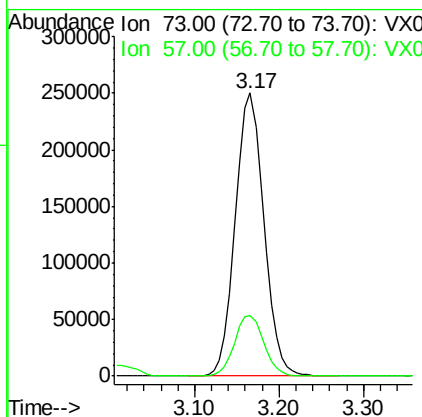
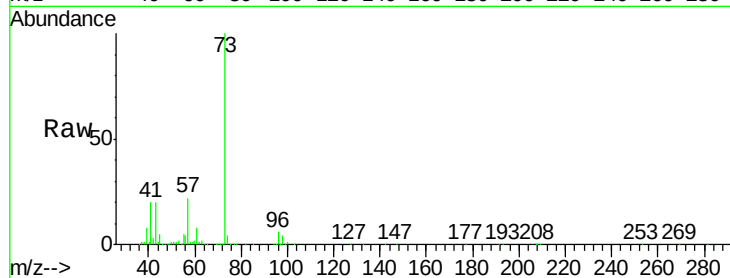
#19
Methyl tert-butyl Ether
Concen: 46.947 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.8	26.6

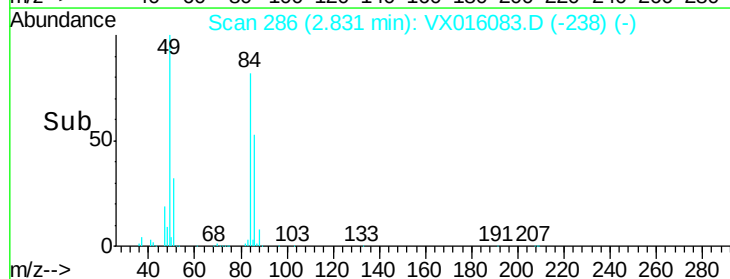
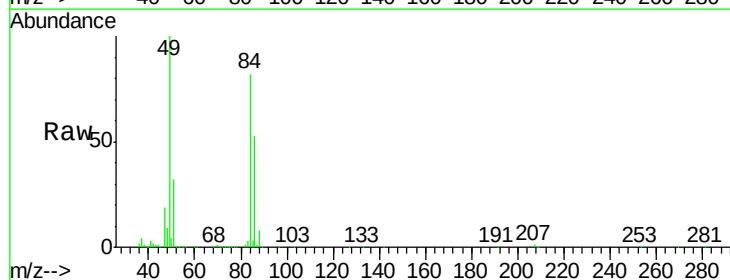
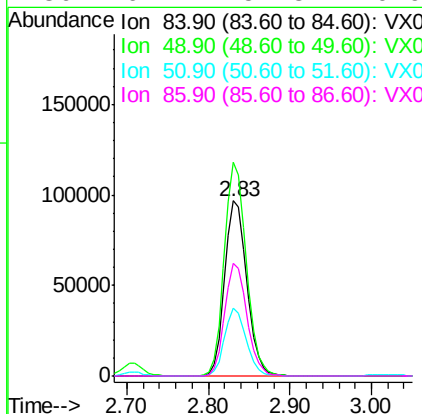
Manual Integrations
APPROVED

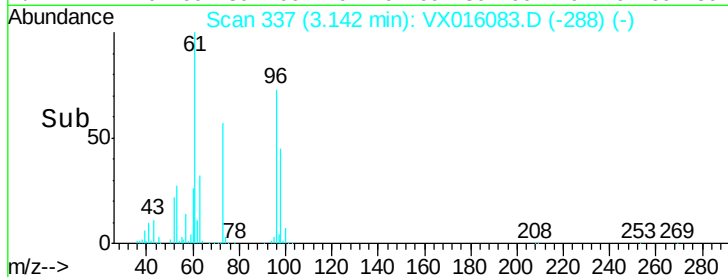
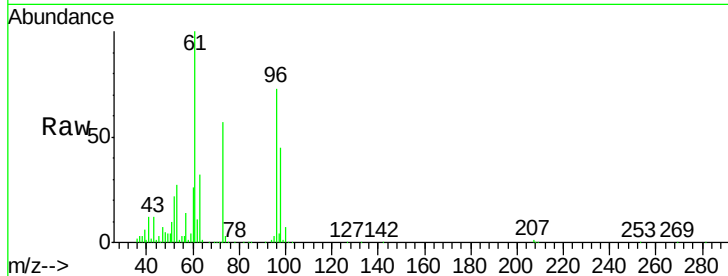
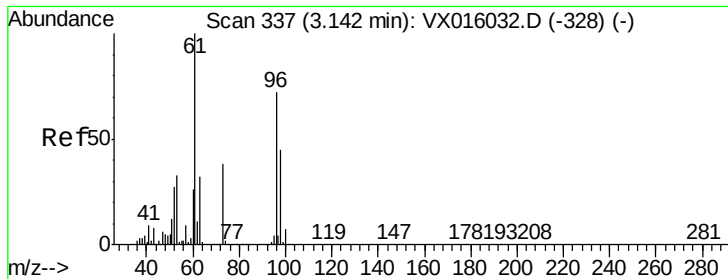
MMDadoda
5/8/2020 11:53:55 AM



#20
Methylene Chloride
Concen: 44.153 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.0	97.3	145.9
51	38.6	29.3	43.9
86	64.2	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 45.192 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016083.D

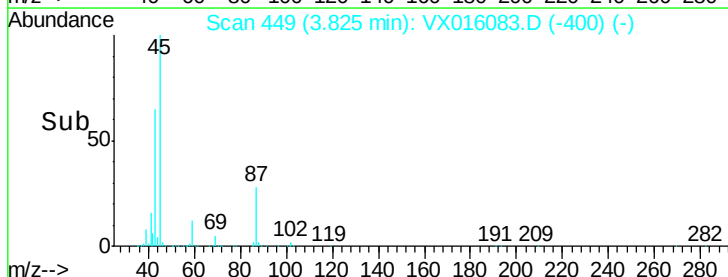
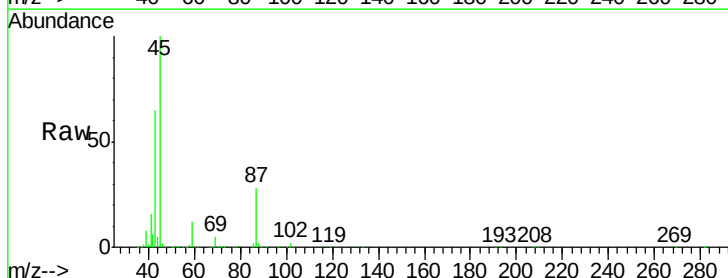
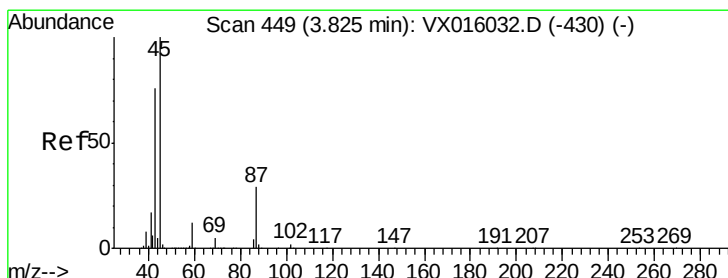
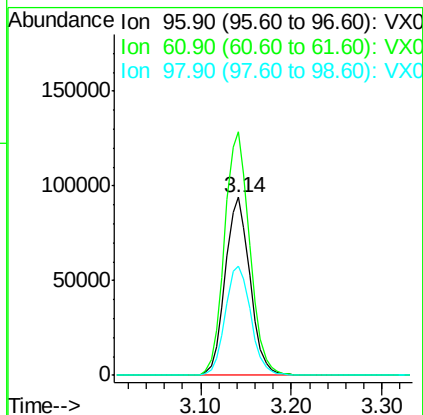
Acq: 07 May 2020 09:55

Tot Ion:	96	Resp:	177851
Ion	Ratio	Lower	Upper
96	100		
61	136.8	111.2	166.8
98	61.5	50.2	75.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
5/8/2020 11:53:55 AM



#22

Diisopropyl ether

Concen: 46.744 ug/l

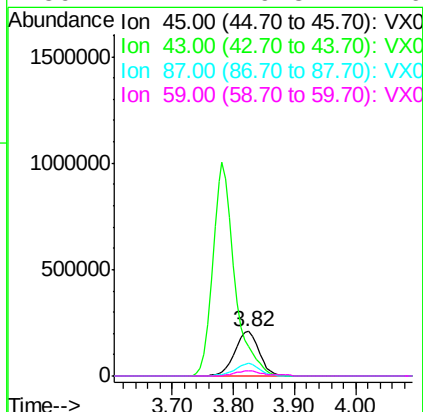
RT: 3.82 min Scan# 449

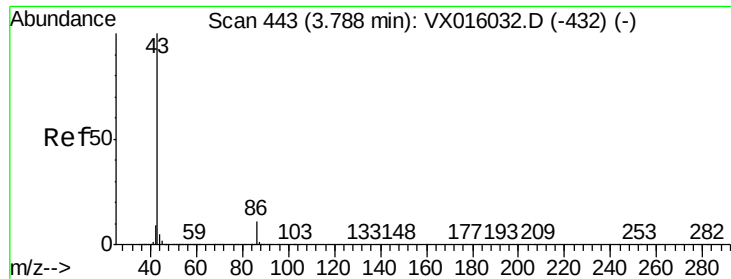
Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Tgt Ion:	45	Resp:	571017
Ion	Ratio	Lower	Upper
45	100		
43	64.8	61.1	91.7
87	28.0	23.0	34.6
59	11.7	9.8	14.6





#23

Vinyl Acetate

Concen: 233.970 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2514551

Ion Ratio Lower Upper

43 100

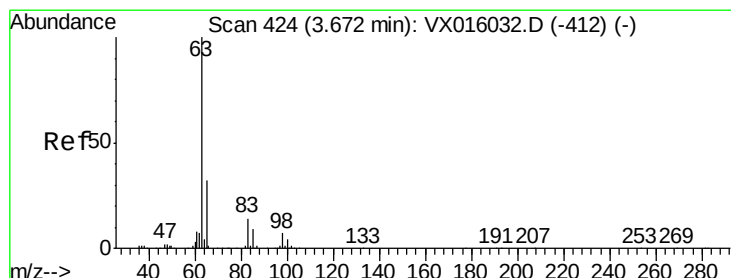
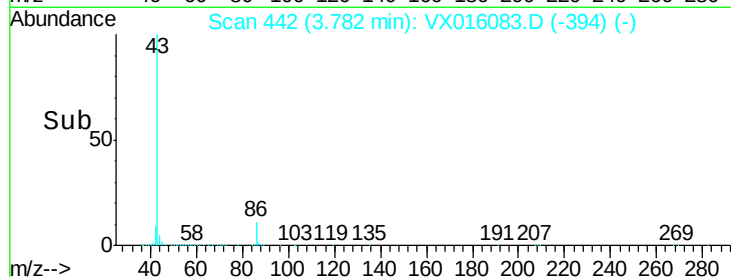
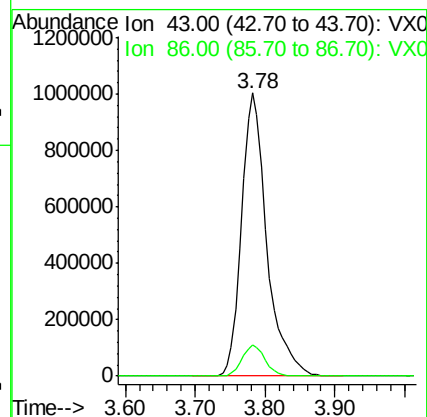
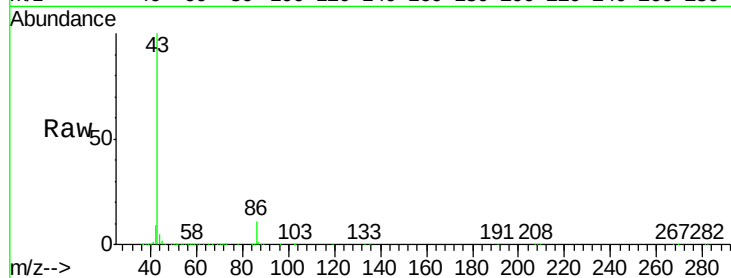
86 11.1 9.0 13.4

Manual Integrations

APPROVED

MMDadoda

5/8/2020 11:53:55 AM



#24

1,1-Dichloroethane

Concen: 46.726 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

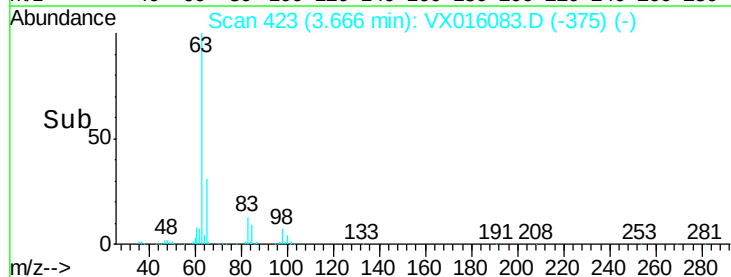
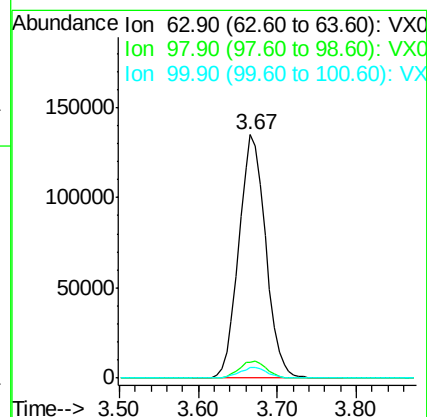
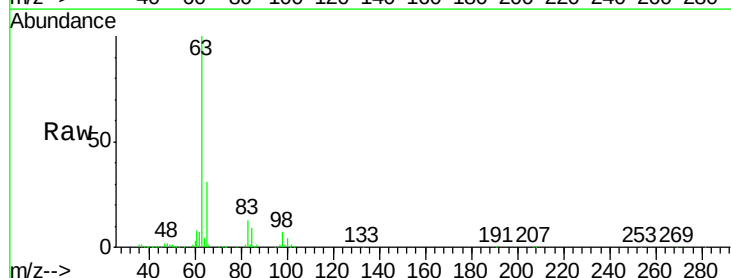
Tgt Ion: 63 Resp: 319301

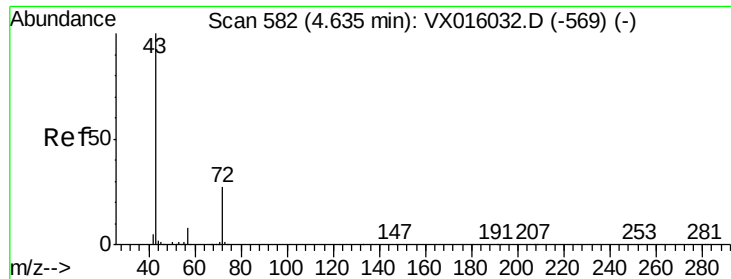
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 213.476 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 686165

Ion Ratio Lower Upper

43 100

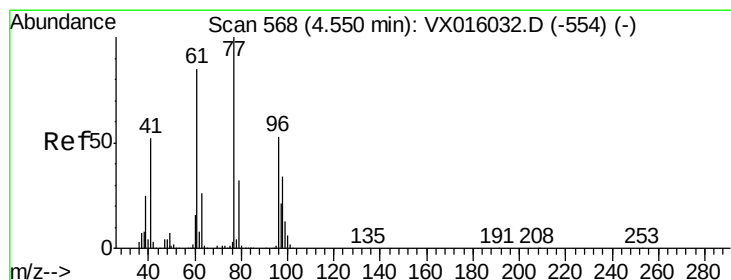
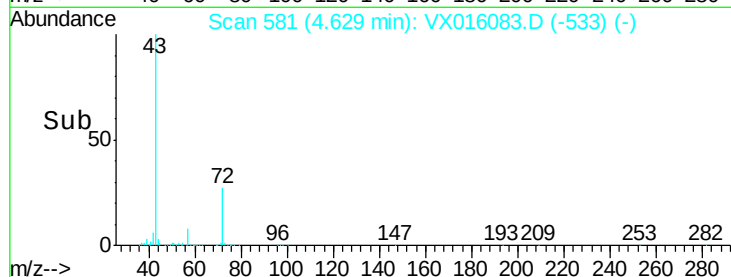
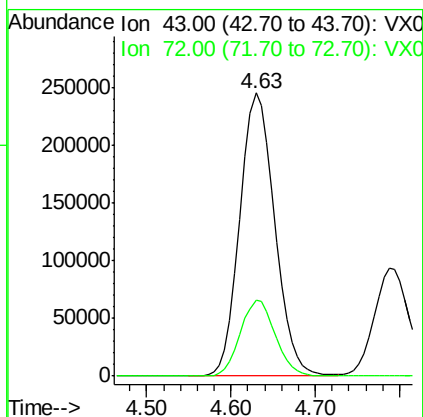
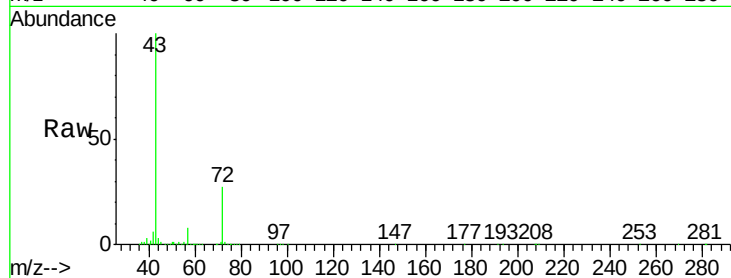
72 27.0 21.8 32.8

Manual Integrations

APPROVED

MMDadoda

5/8/2020 11:53:55 AM



#26

2,2-Dichloropropane

Concen: 46.855 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016083.D

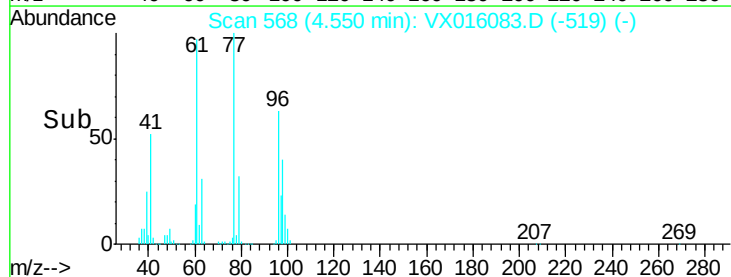
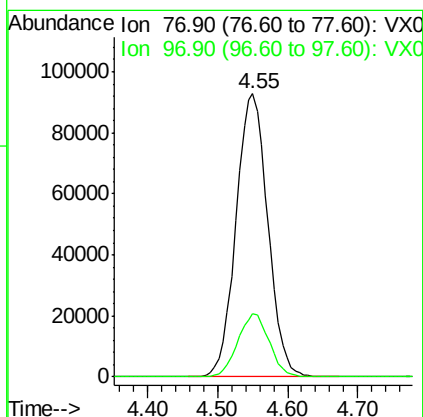
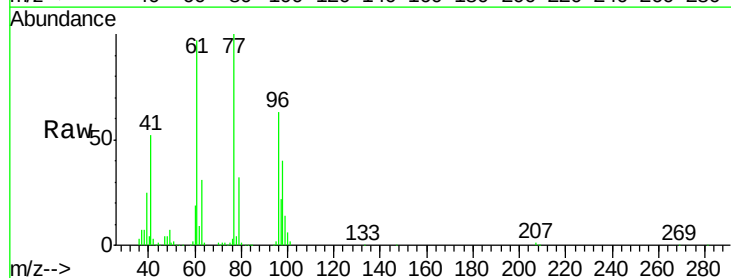
Acq: 07 May 2020 09:55

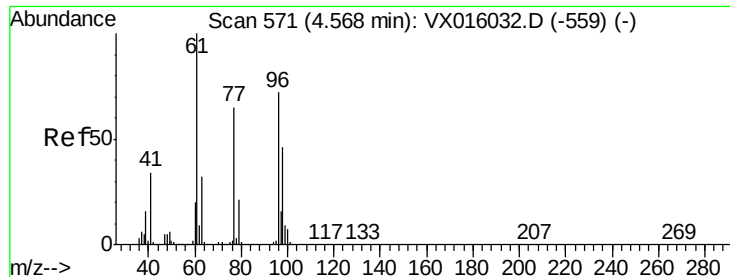
Tgt Ion: 77 Resp: 292410

Ion Ratio Lower Upper

77 100

97 22.1 11.2 33.6





#27

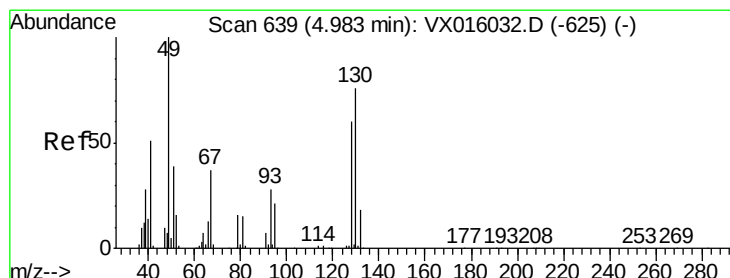
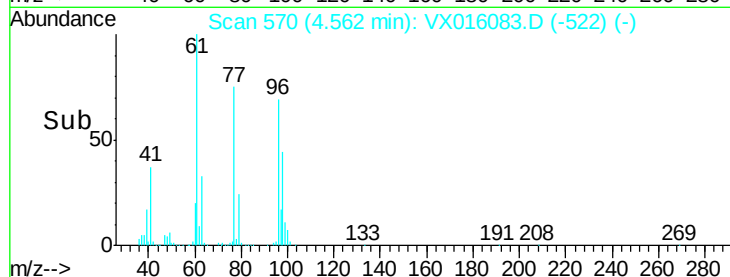
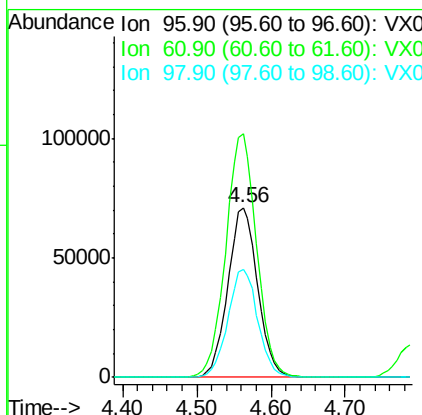
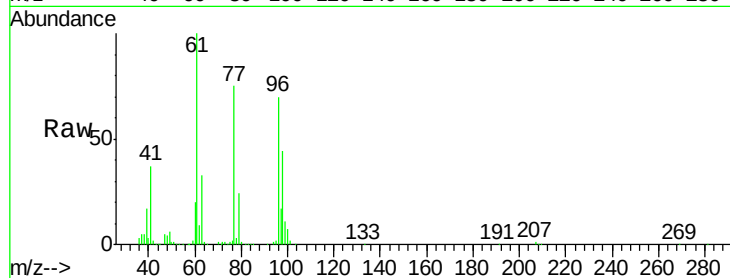
cis-1,2-Dichloroethene
Concen: 45.992 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	197876		
61	148.8	0.0	296.2	
98	64.2	0.0	129.4	

Manual Integrations
APPROVED

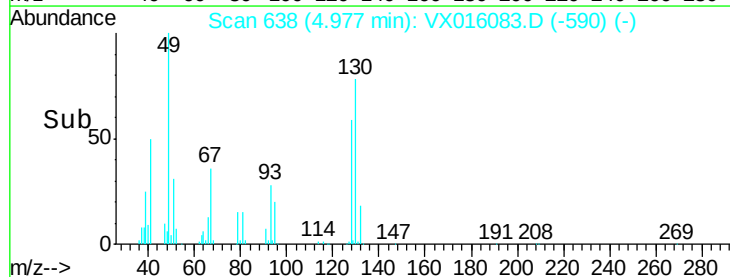
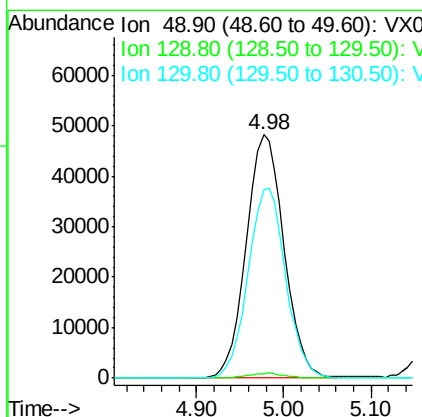
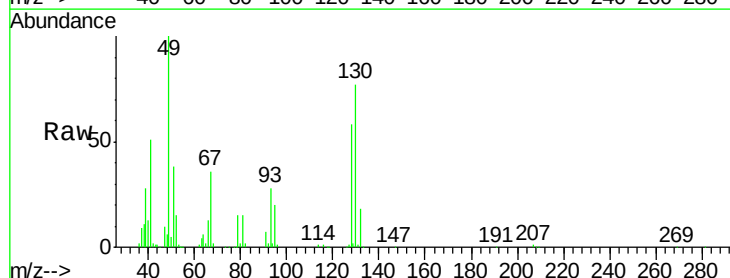
MMDadoda
5/8/2020 11:53:55 AM

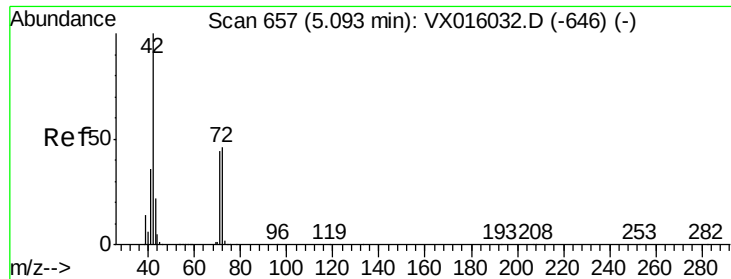


#28

Bromochloromethane
Concen: 46.477 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	144820		
129	2.0	0.0	4.0	
130	77.8	62.4	93.6	





#29

Tetrahydrofuran

Concen: 217.846 ug/l

RT: 5.08 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

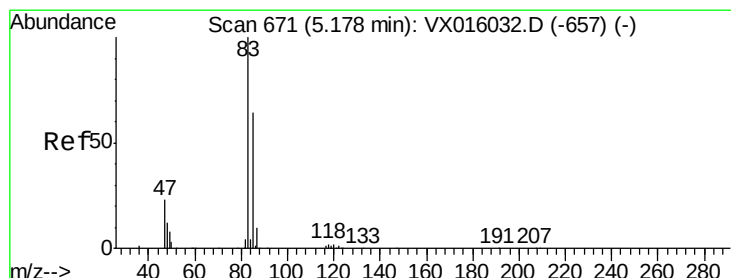
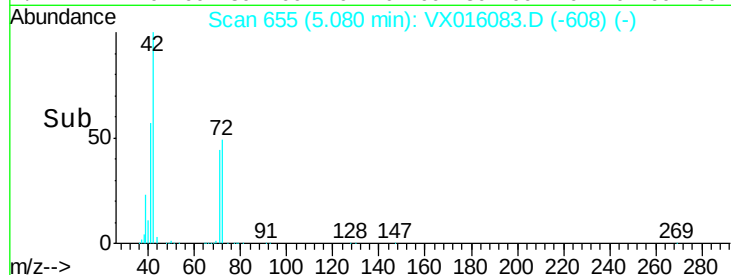
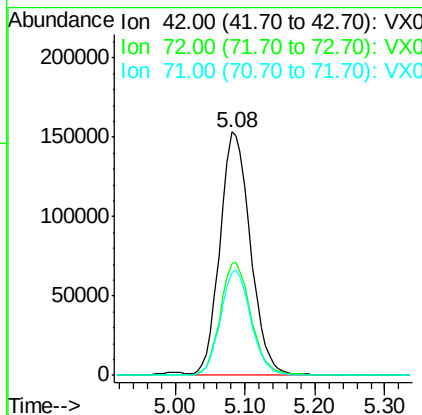
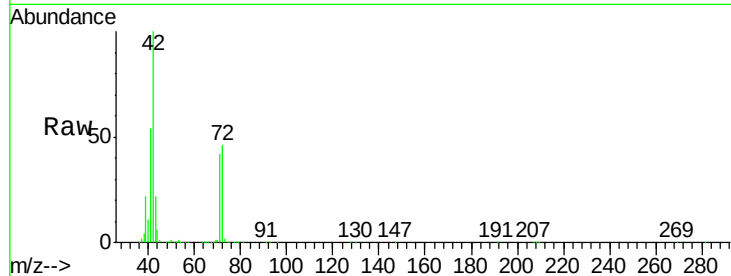
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	463961
Ion Ratio		Lower	Upper
42	100		
72	46.9	37.1	55.7
71	43.0	34.5	51.7

Manual Integrations
APPROVED

MMDadoda
5/8/2020 11:53:55 AM



#30

Chloroform

Concen: 46.588 ug/l

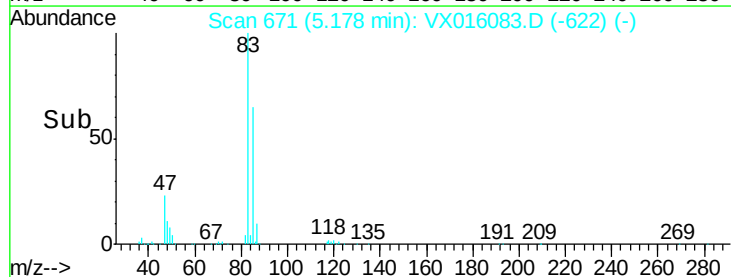
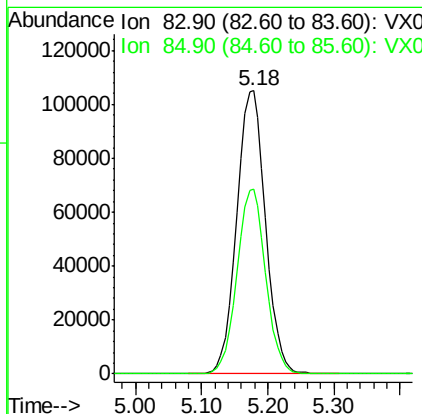
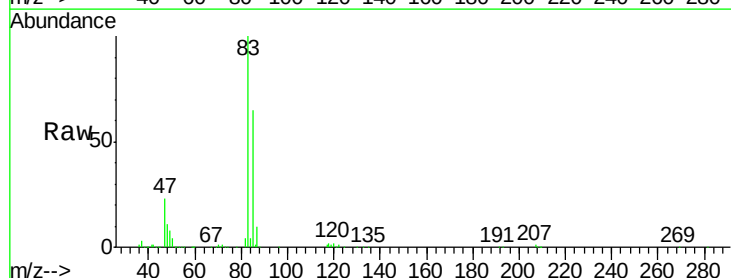
RT: 5.18 min Scan# 671

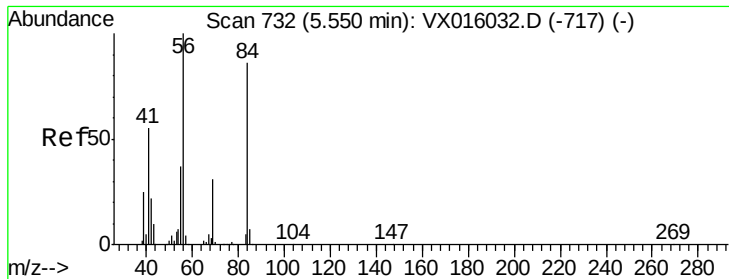
Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Tgt Ion:	83	Resp:	316983
Ion Ratio		Lower	Upper
83	100		
85	65.2	51.6	77.4





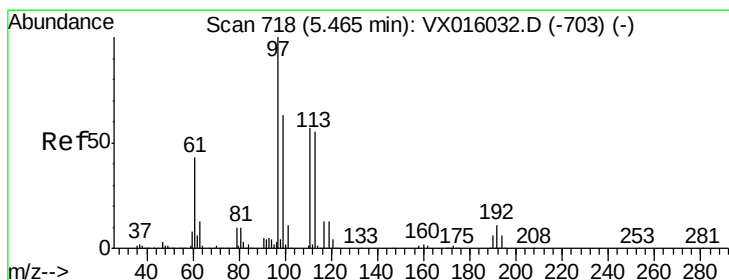
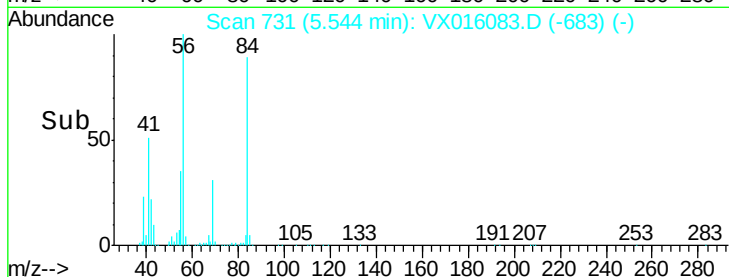
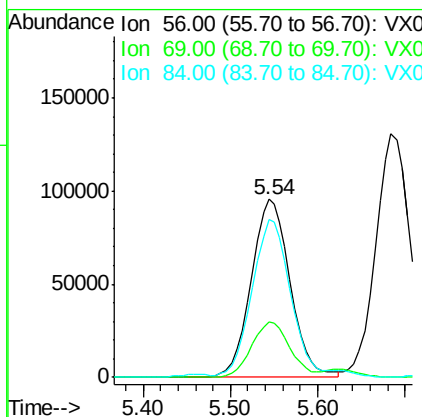
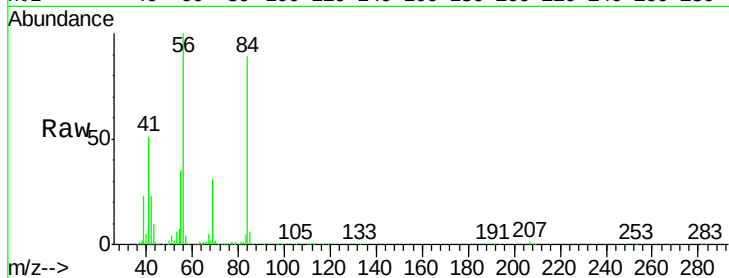
#31
Cyclohexane
Concen: 47.505 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.0	37.6
84	87.4	69.0	103.6

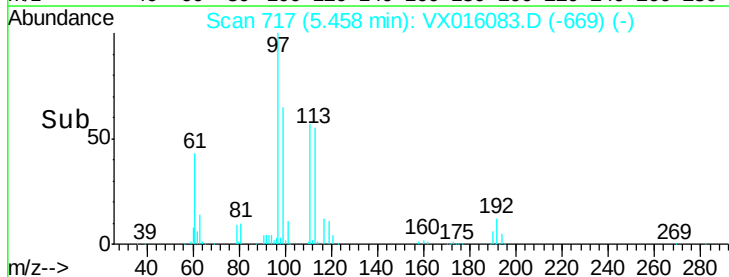
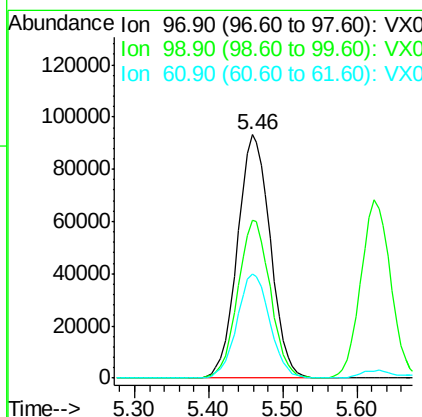
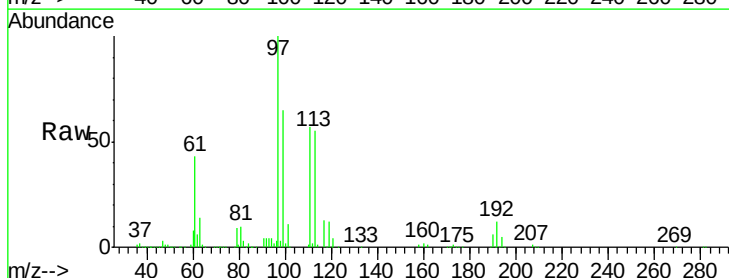
Manual Integrations
APPROVED

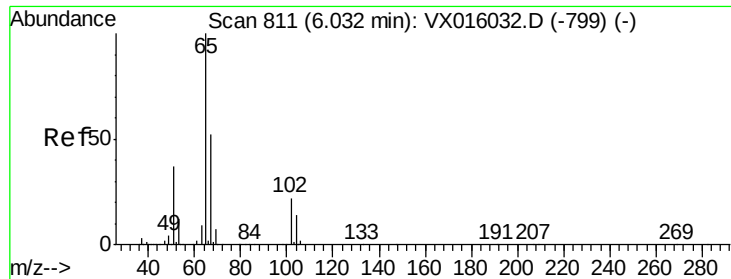
MMDadoda
5/8/2020 11:53:55 AM



#32
1,1,1-Trichloroethane
Concen: 46.660 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	42.8	34.5	51.7





#33

1,2-Dichloroethane-d4

Concen: 43.928 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 196379

Ion Ratio Lower Upper

65 100

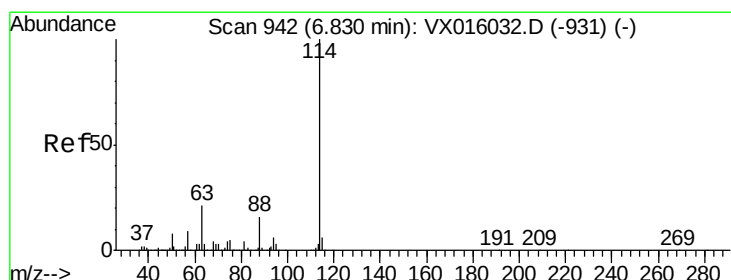
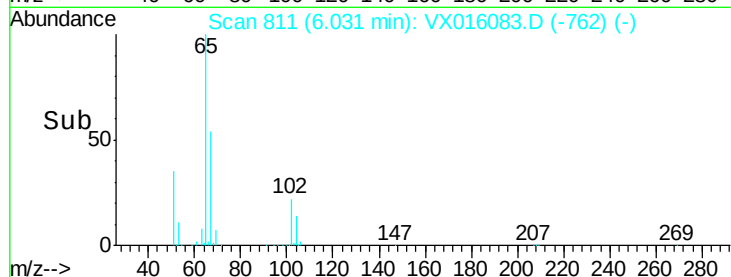
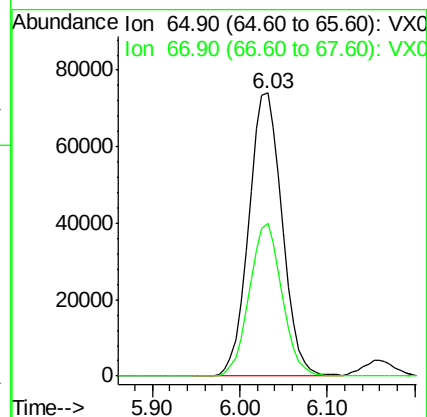
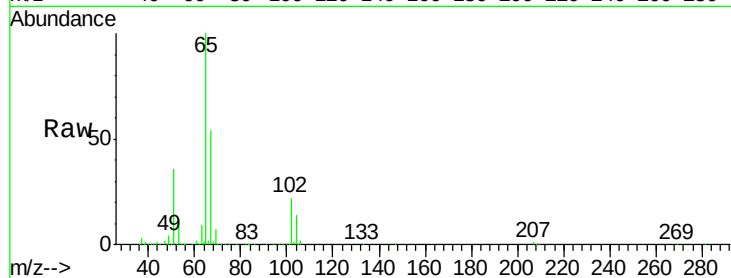
67 52.7 0.0 104.8

Manual Integrations

APPROVED

MMDadoda

5/8/2020 11:53:55 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

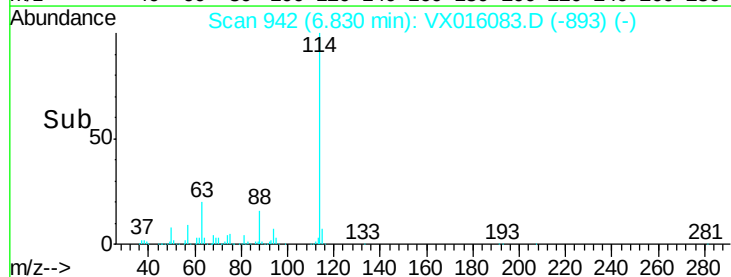
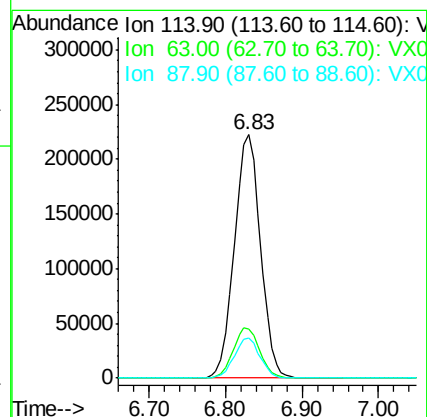
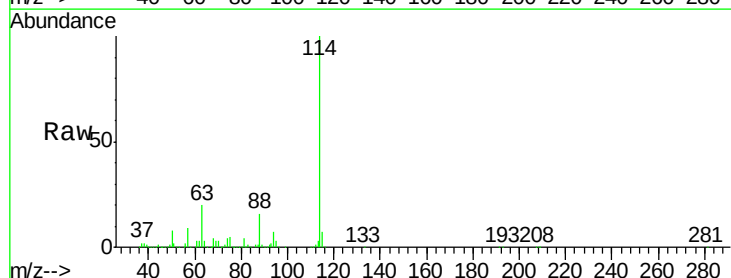
Tgt Ion: 114 Resp: 524565

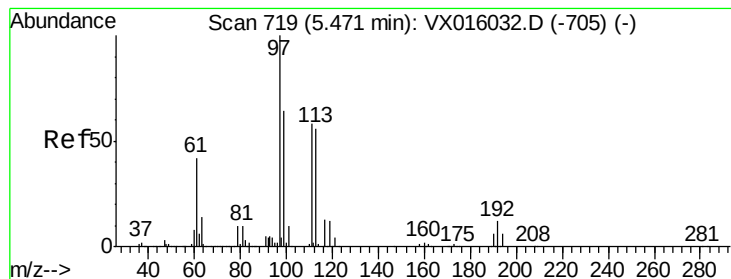
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.8

88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.144 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

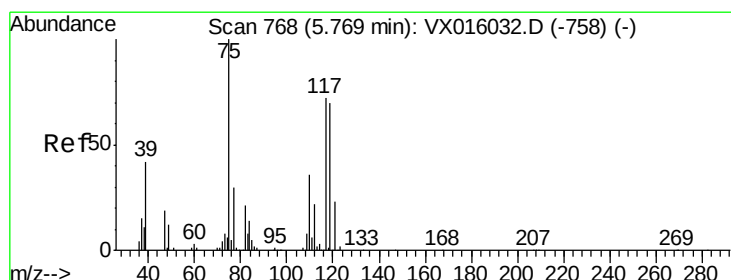
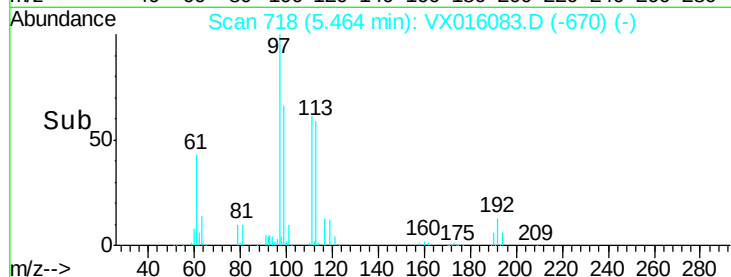
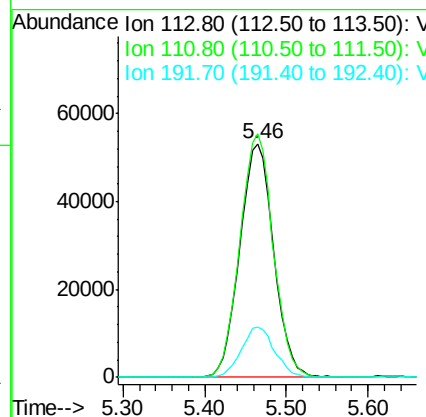
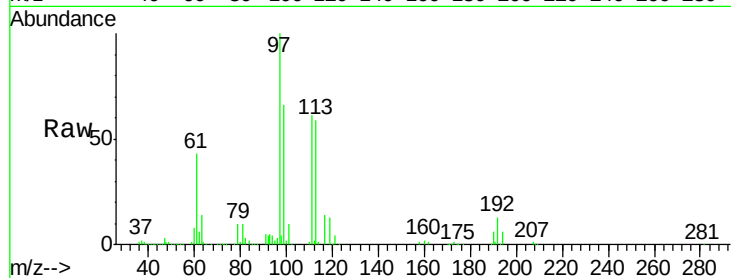
ClientSampled :

VSTDCCC050

Tot Ion:	113	Resp:	153354
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.6	122.4
192	21.3	17.0	25.4

Manual Integrations
APPROVED

MMDadoda
5/8/2020 11:53:55 AM



#36

1,1-Dichloropropene

Concen: 47.583 ug/l

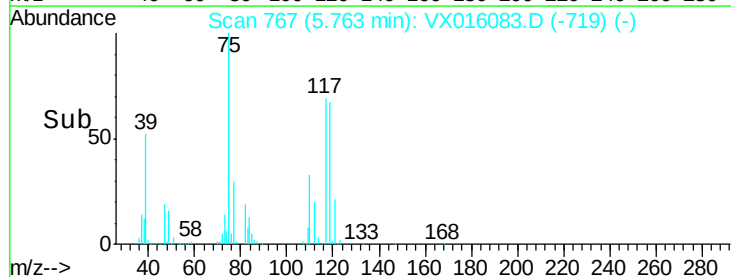
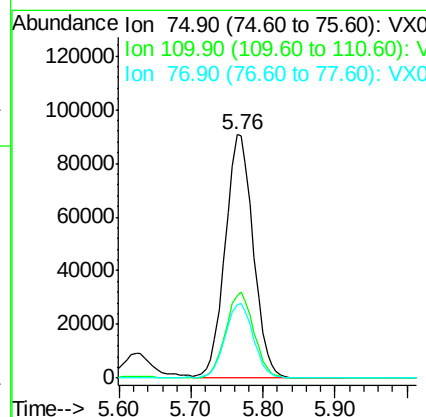
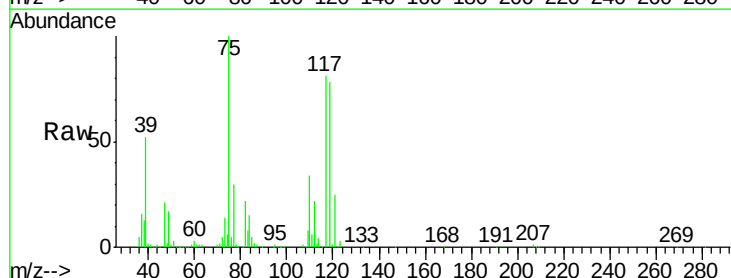
RT: 5.76 min Scan# 767

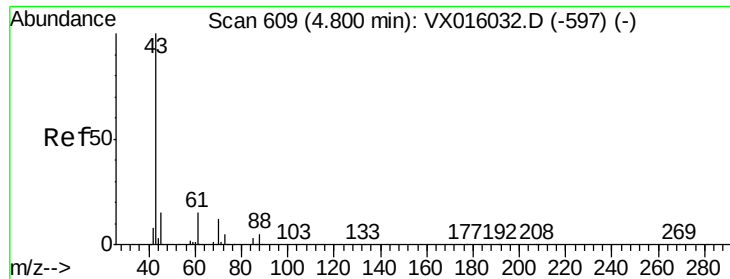
Delta R.T. -0.01 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Tgt Ion:	75	Resp:	245700
Ion Ratio	Lower	Upper	
75	100		
110	35.4	18.1	54.1
77	30.8	25.0	37.6





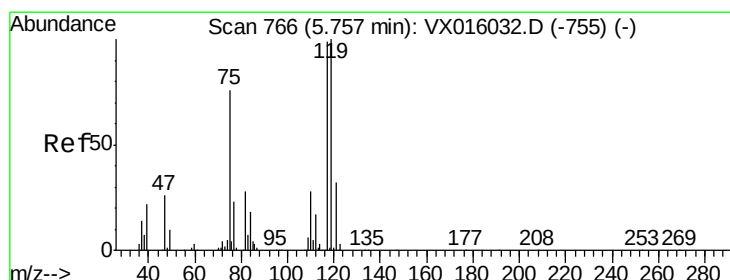
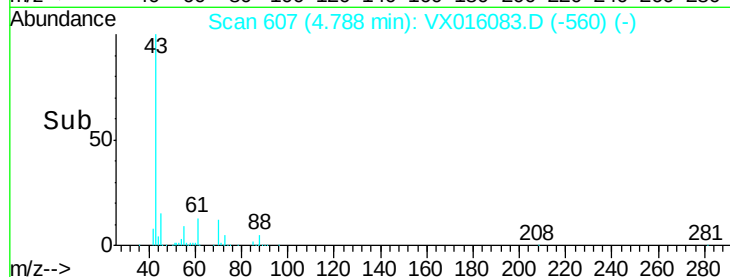
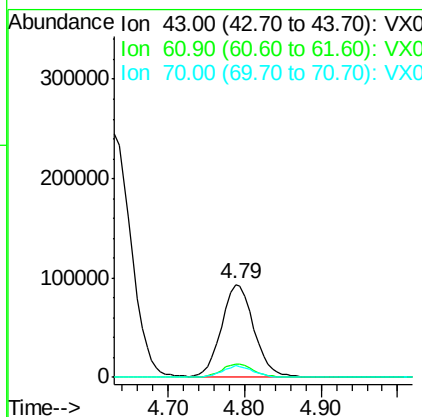
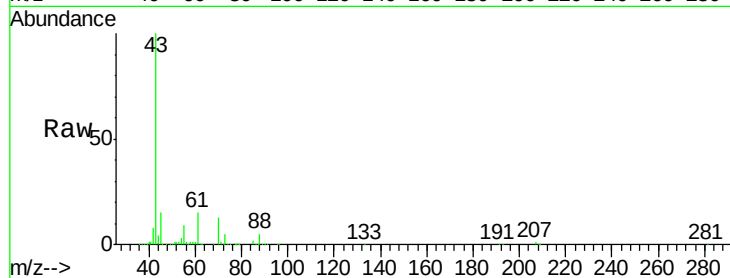
#37
Ethyl Acetate
Concen: 45.559 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	272662
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.7	17.5
70	11.9	9.3	13.9

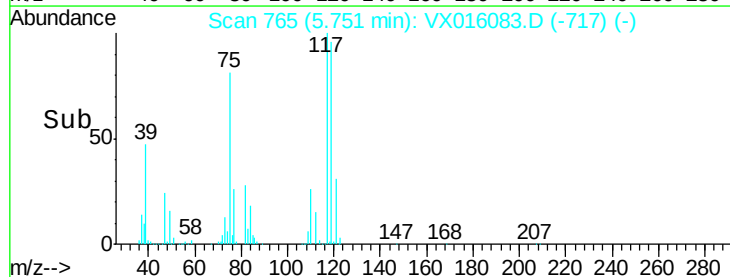
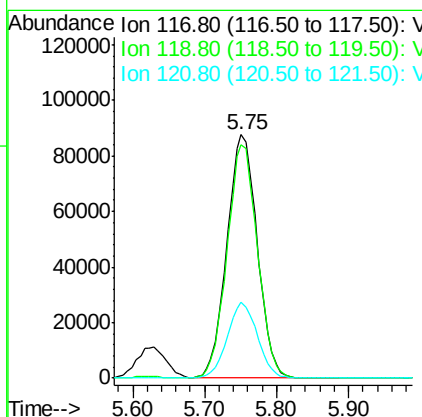
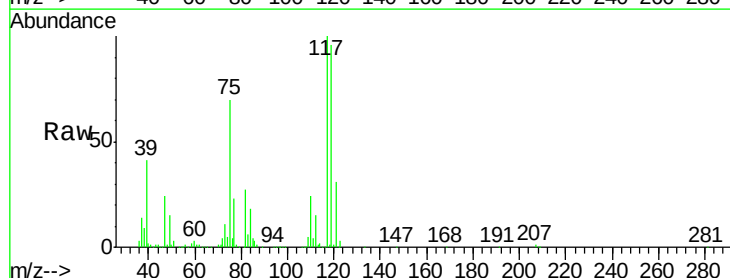
Manual Integrations
APPROVED

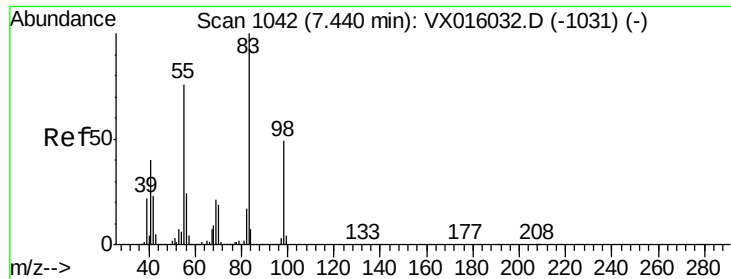
MMDadoda
5/8/2020 11:53:55 AM



#38
Carbon Tetrachloride
Concen: 48.899 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Tgt Ion:	117	Resp:	256641
Ion	Ratio	Lower	Upper
117	100		
119	95.7	80.3	120.5
121	31.1	25.7	38.5





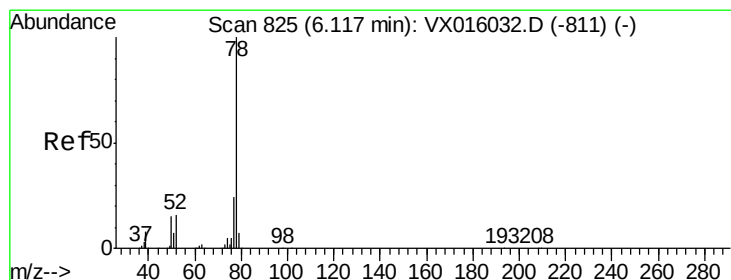
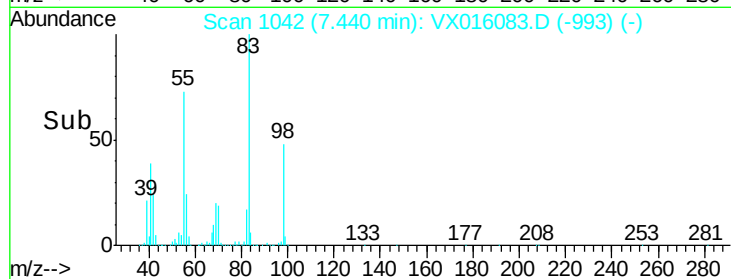
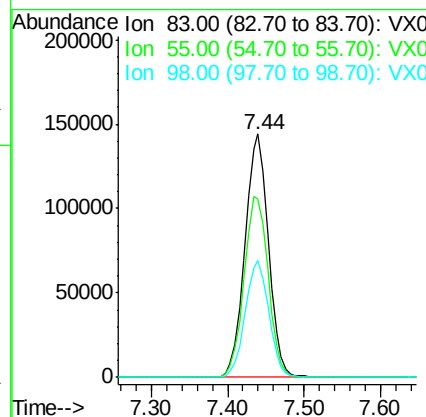
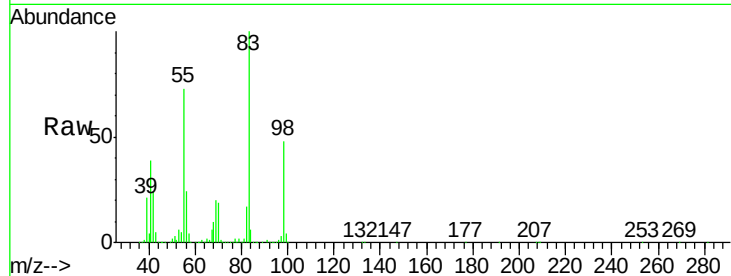
#39
Methylvlcyclohexane
Concen: 49.191 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	61.1	91.7
98	48.2	39.0	58.4

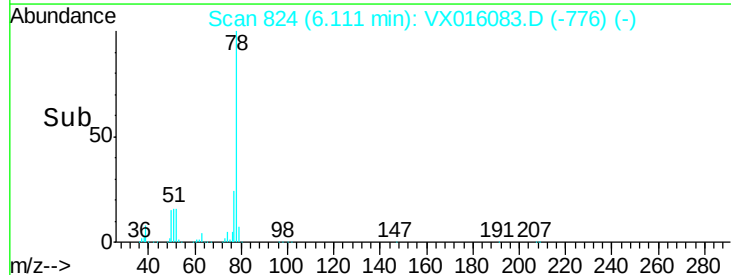
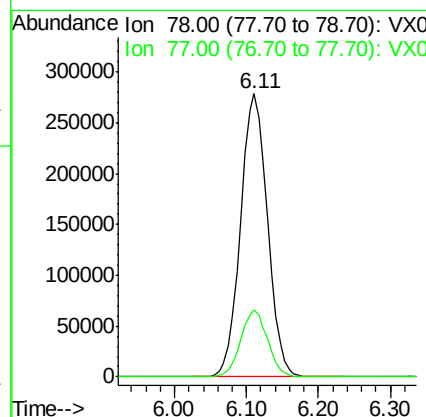
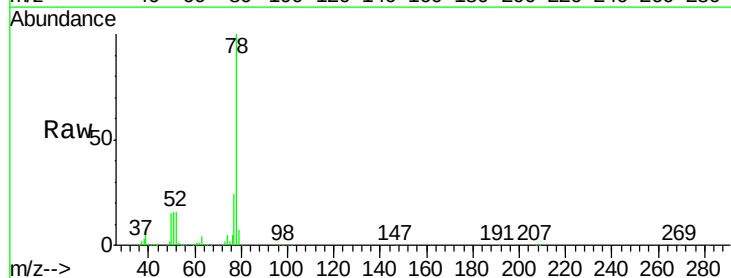
Manual Integrations
APPROVED

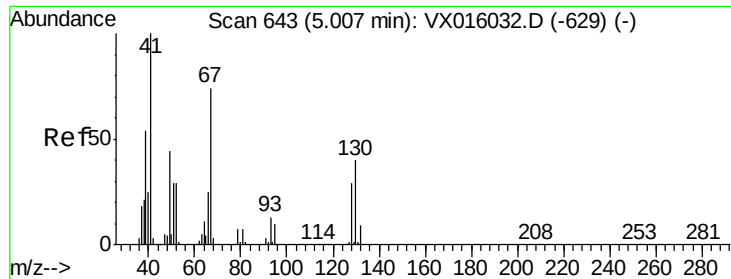
MMDadoda
5/8/2020 11:53:55 AM



#40
Benzene
Concen: 47.771 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





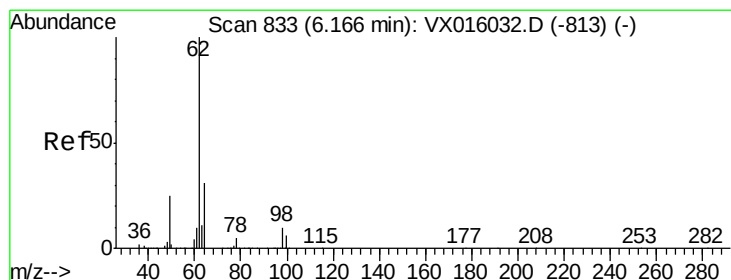
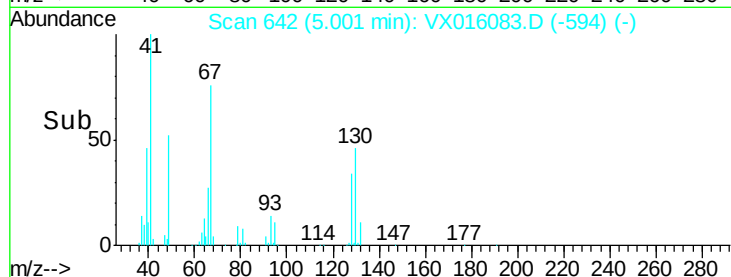
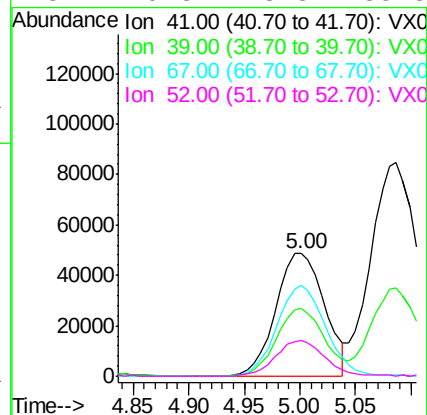
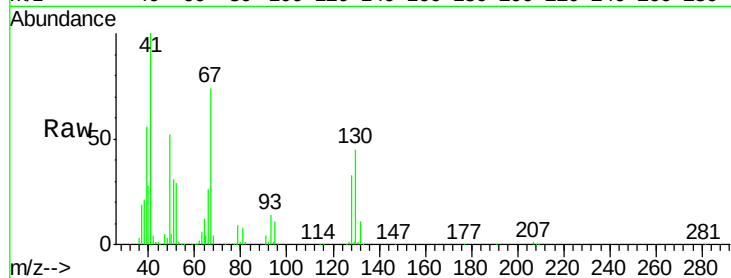
#41
Methacrylonitrile
Concen: 45.691 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	55.2	43.2	64.8		
67	75.0	59.3	88.9		
52	29.3	23.5	35.3		

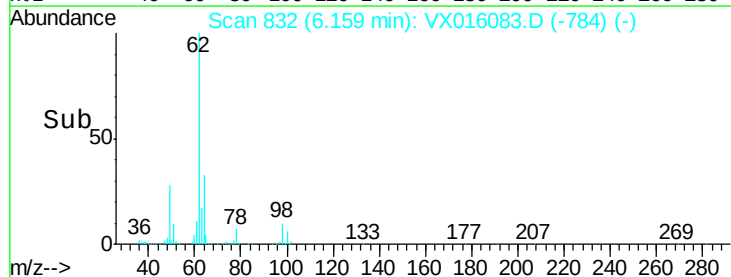
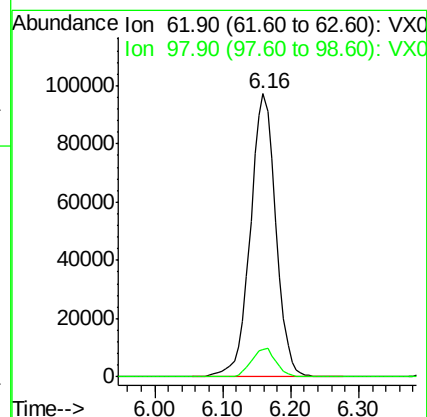
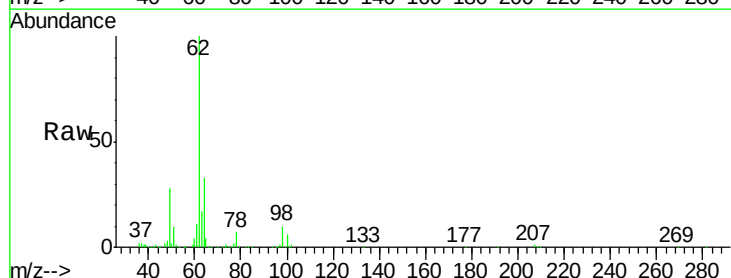
Manual Integrations
APPROVED

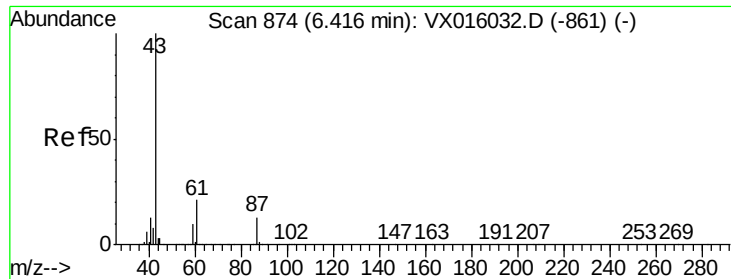
MMDadoda
5/8/2020 11:53:55 AM



#42
1,2-Dichloroethane
Concen: 46.603 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.8	0.0	19.4		





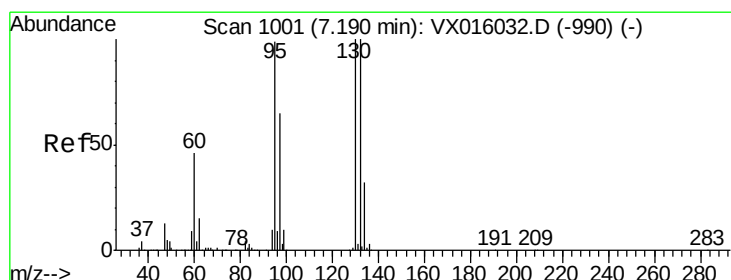
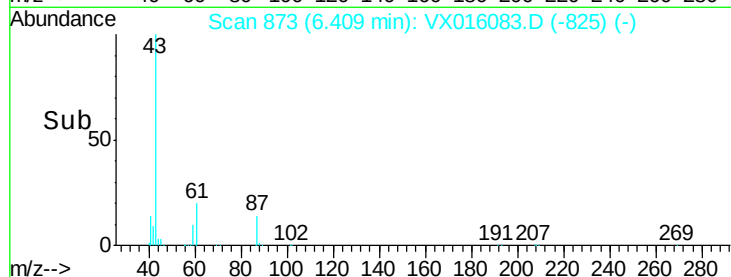
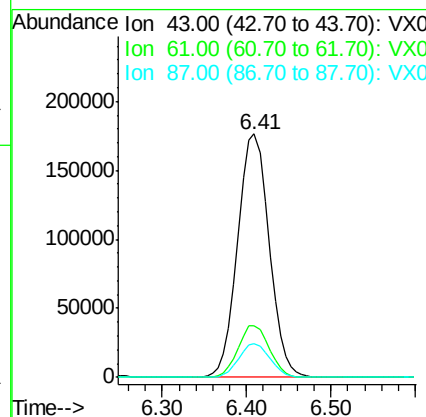
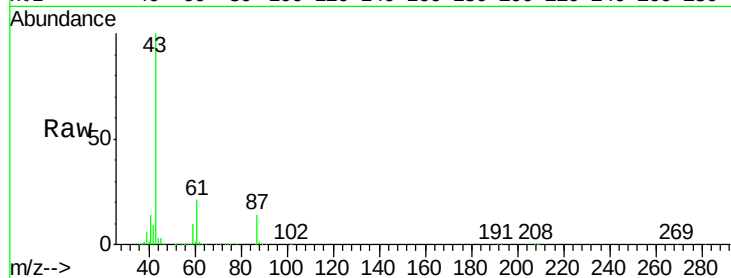
#43
Isopropyl Acetate
Concen: 46.671 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	445660		
61	21.3		17.0	25.4
87	13.9		11.0	16.6

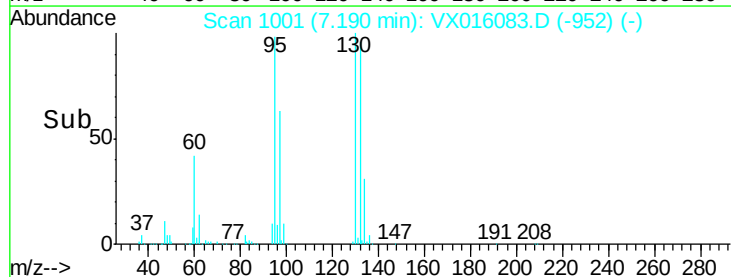
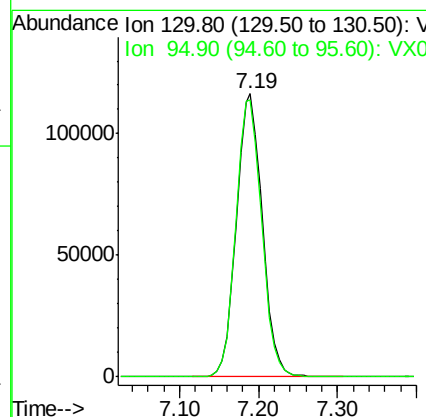
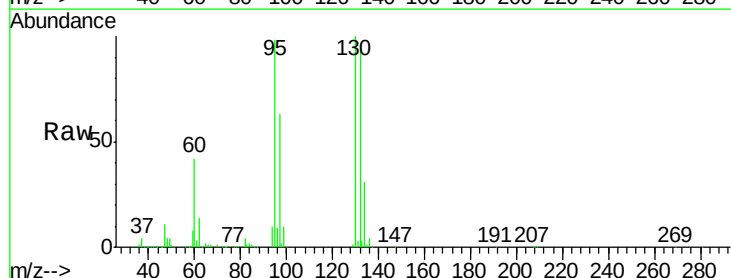
Manual Integrations
APPROVED

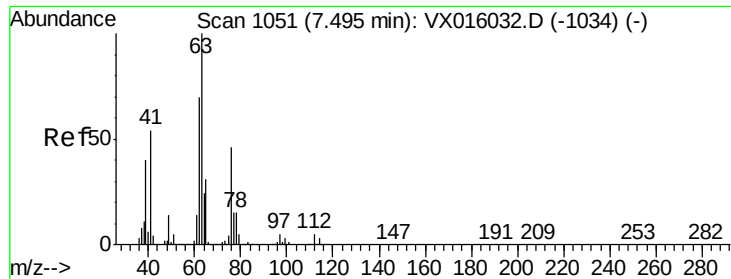
MMDadoda
5/8/2020 11:53:55 AM



#44
Trichloroethene
Concen: 49.408 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	265197		
95	97.9		0.0	197.4





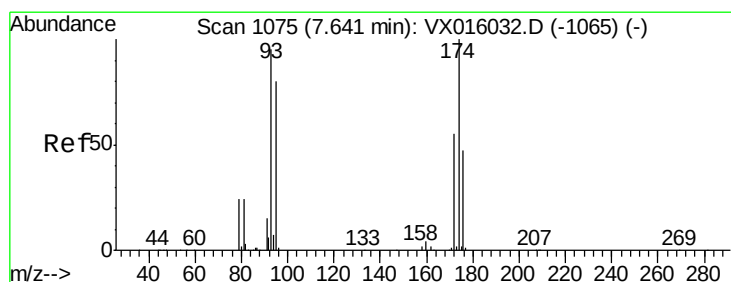
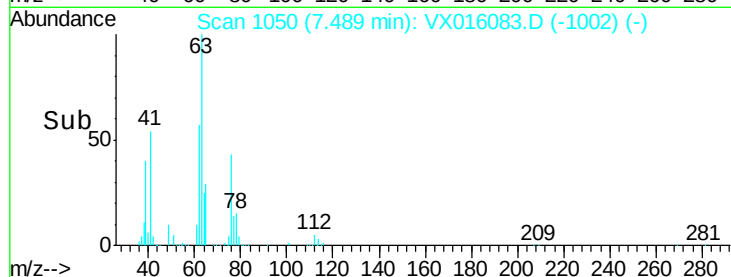
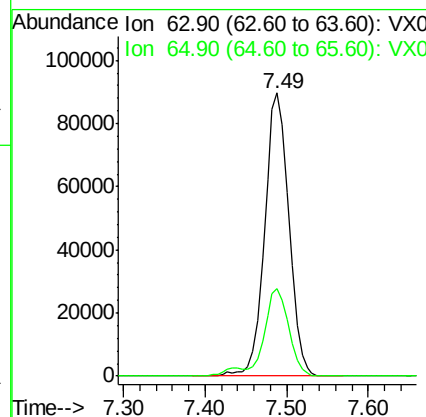
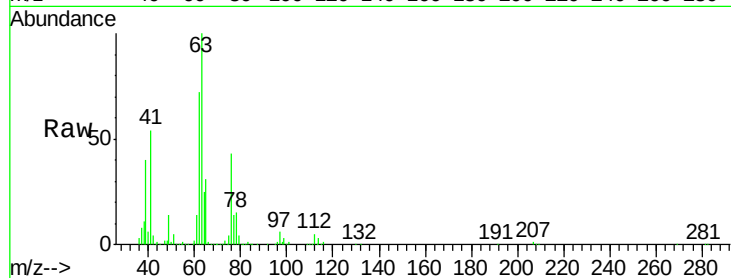
#45
 1,2-Dichloropropane
 Concen: 48.706 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VX016083.D
 Acq: 07 May 2020 09:55

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	186199		
65	30.9		24.4	36.6

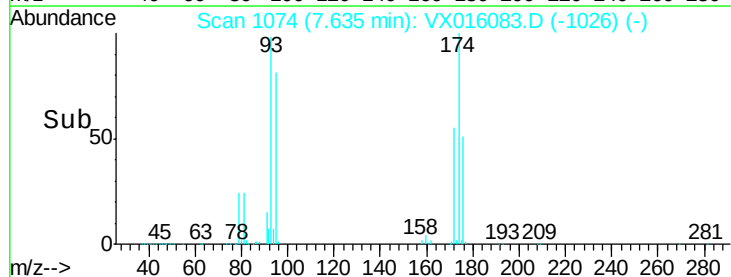
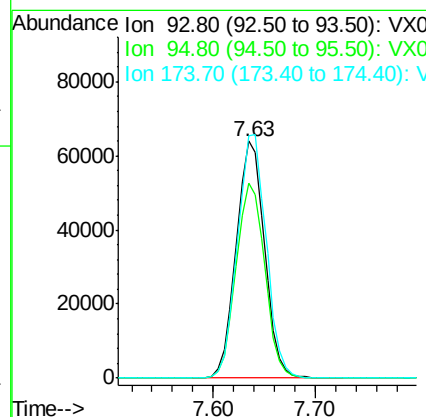
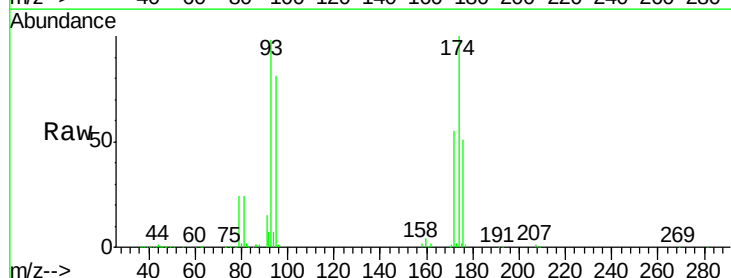
Manual Integrations
 APPROVED

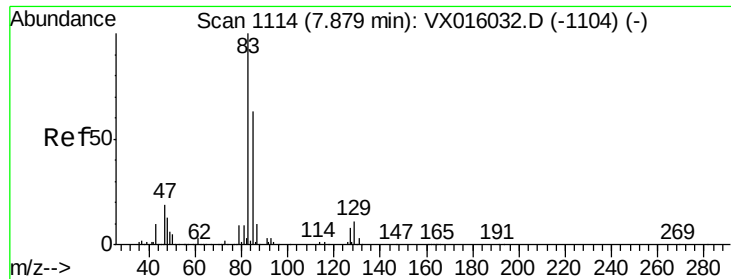
MMDadoda
 5/8/2020 11:53:55 AM



#46
 Dibromomethane
 Concen: 47.203 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VX016083.D
 Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	122631		
95	83.8		66.6	100.0
174	104.7		84.2	126.4





#47

Bromodichloromethane

Concen: 48.814 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

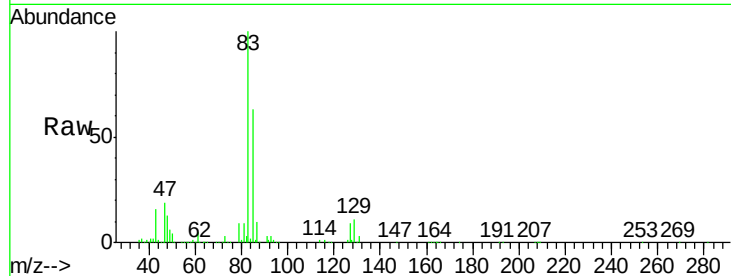
ClientSampleId :

VSTDCCC050

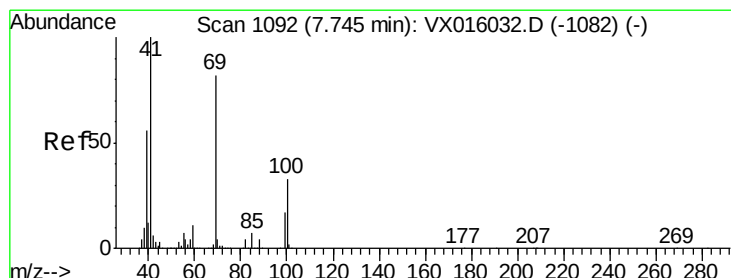
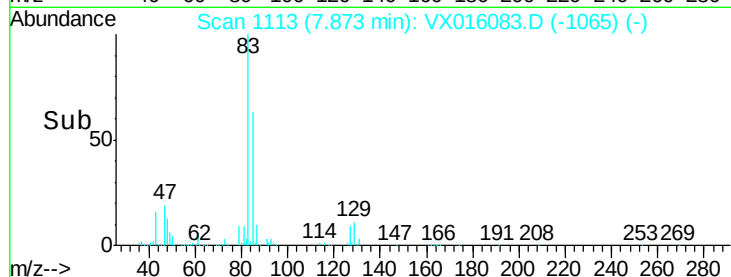
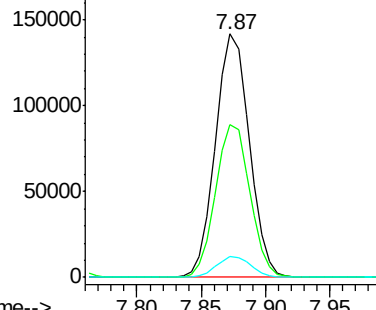
Tot Ion:	83	Resp:	258282
Ion Ratio	Lower	Upper	
83	100		
85	62.9	50.5	75.7
127	8.7	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
5/8/2020 11:53:55 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 46.498 ug/l

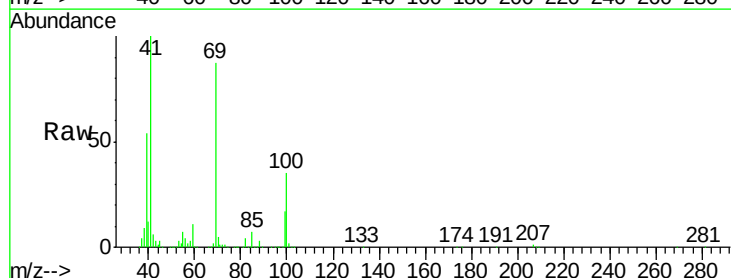
RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

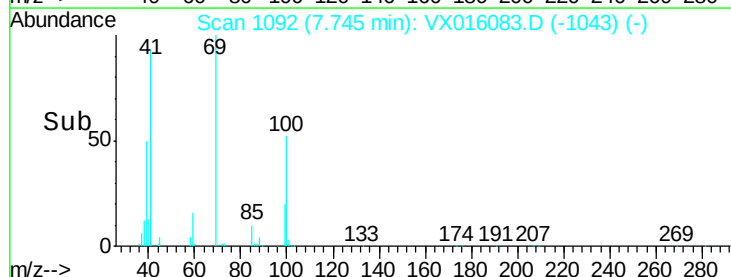
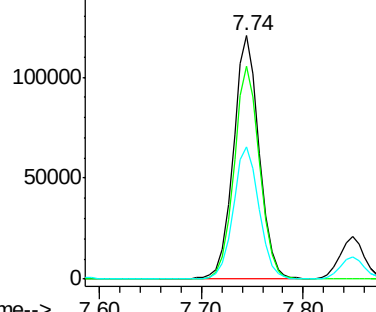
Lab File: VX016083.D

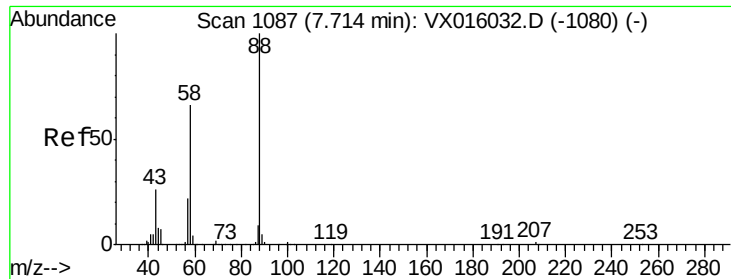
Acq: 07 May 2020 09:55

Tgt Ion:	41	Resp:	210389
Ion Ratio	Lower	Upper	
41	100		
69	86.6	67.8	101.6
39	54.4	44.6	67.0



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





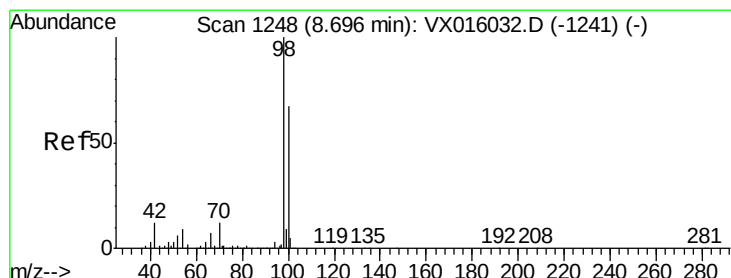
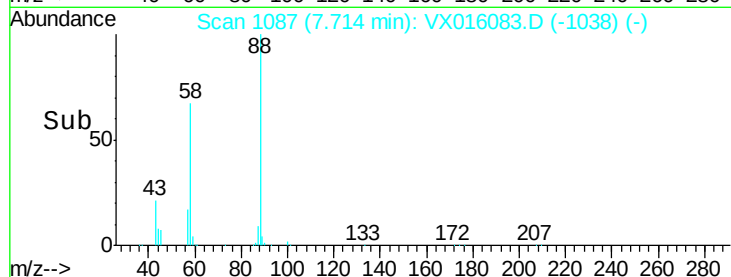
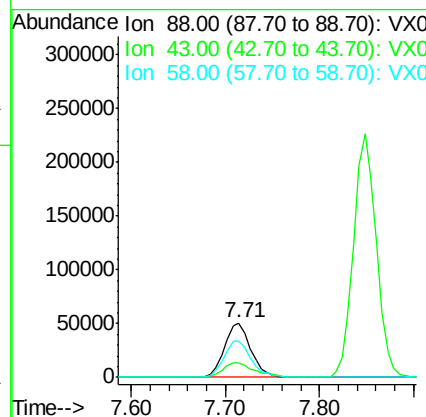
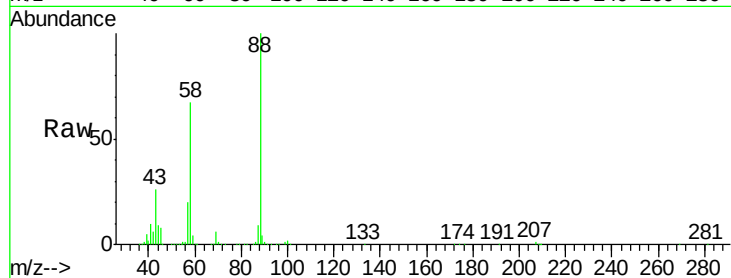
#49
1,4-Dioxane
Concen: 888.176 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	25.3	37.9
58	70.3	55.9	83.9

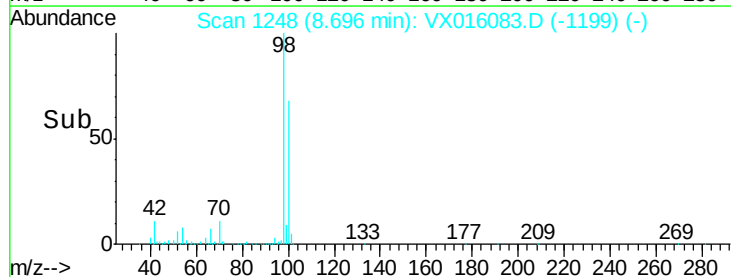
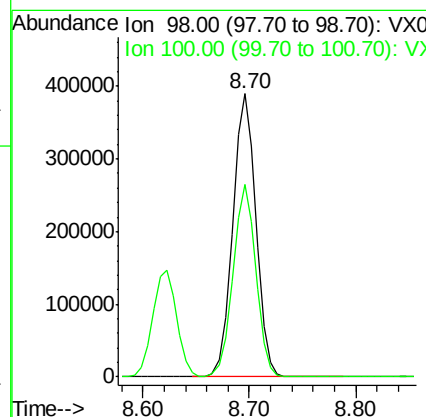
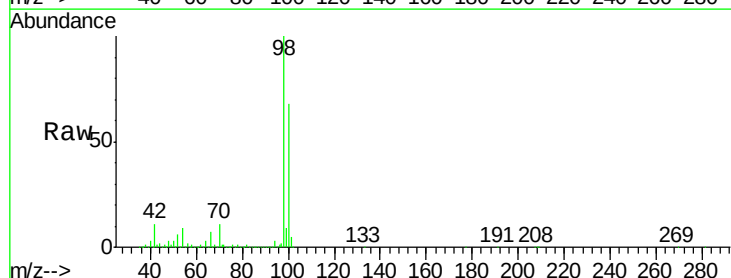
Manual Integrations
APPROVED

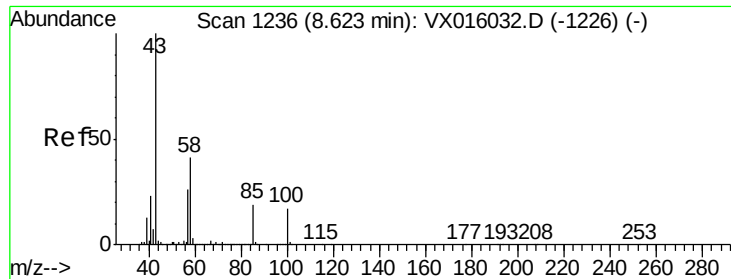
MMDadoda
5/8/2020 11:53:55 AM



#50
Toluene-d8
Concen: 46.360 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 233.327 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1363414

Ion Ratio Lower Upper

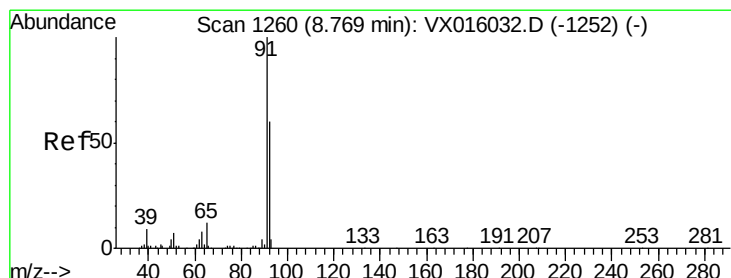
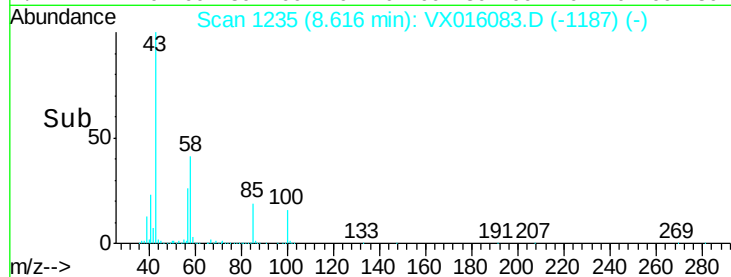
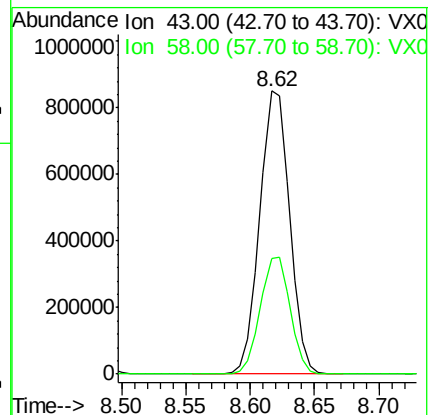
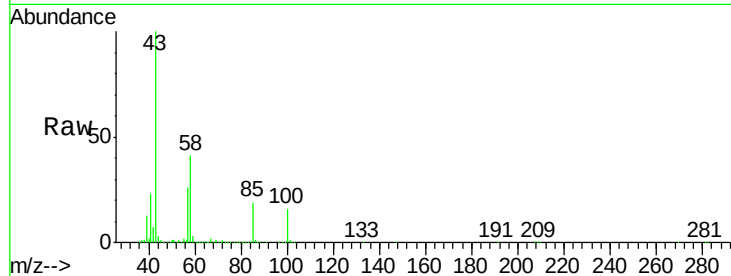
43 100

58 41.3 33.0 49.4

Manual Integrations
APPROVED

MMDadoda

5/8/2020 11:53:55 AM



#52

Toluene

Concen: 48.435 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016083.D

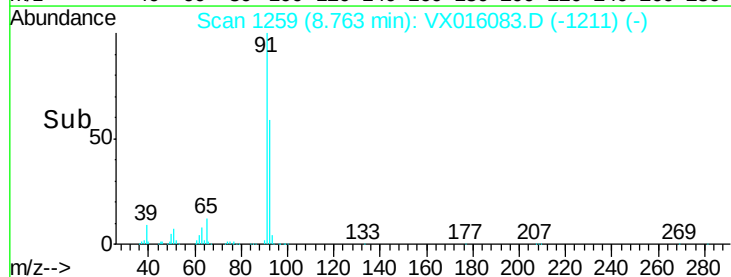
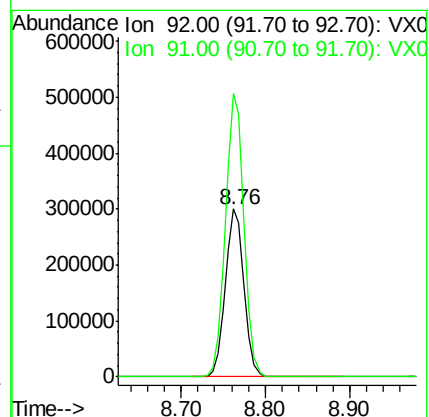
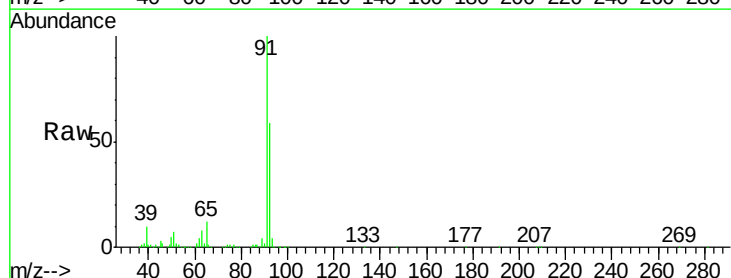
Acq: 07 May 2020 09:55

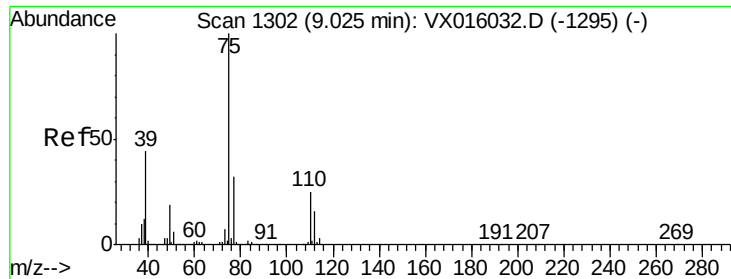
Tgt Ion: 92 Resp: 456130

Ion Ratio Lower Upper

92 100

91 168.3 134.5 201.7





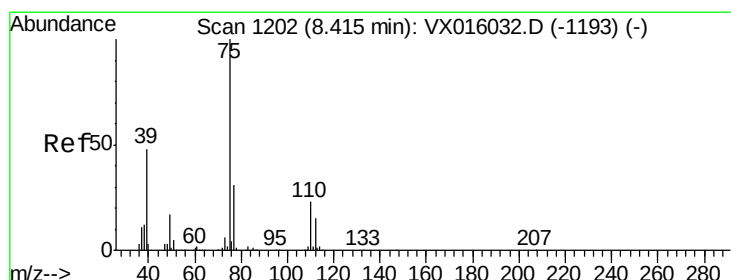
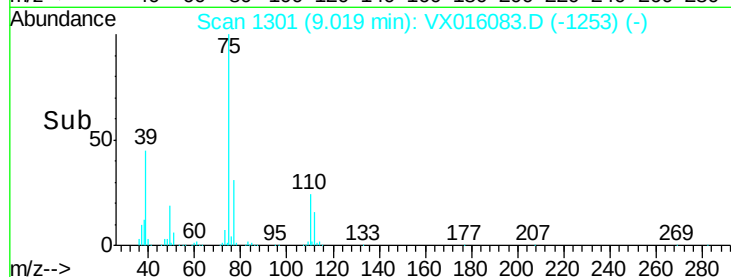
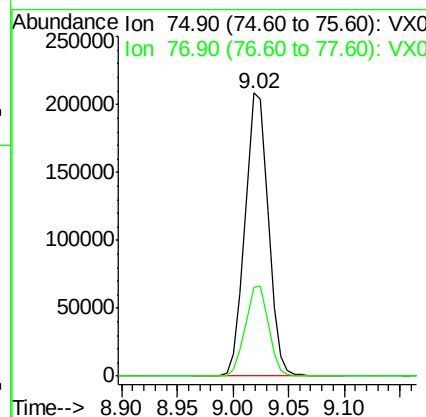
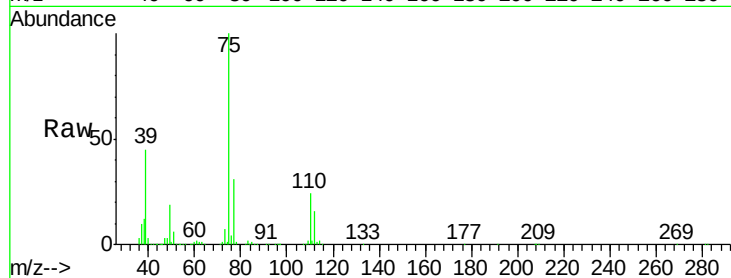
#53
t-1,3-Dichloropropene
Concen: 48.153 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5

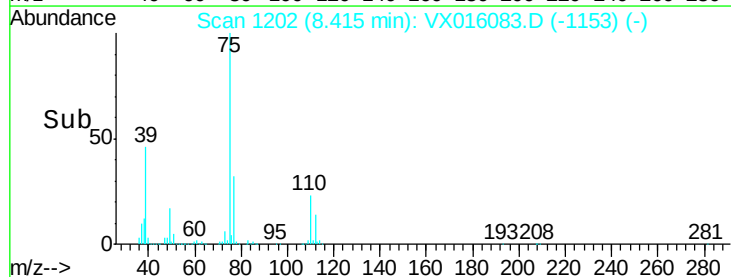
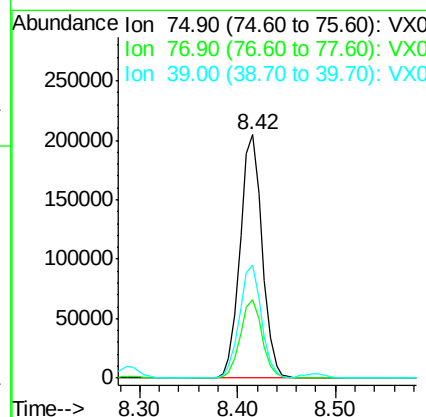
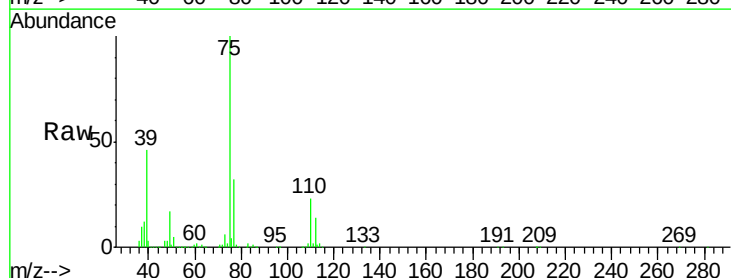
Manual Integrations
APPROVED

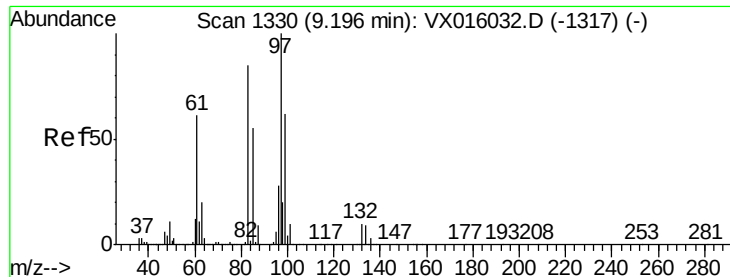
MMDadoda
5/8/2020 11:53:55 AM



#54
cis-1,3-Dichloropropene
Concen: 48.610 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.7	37.1
39	46.3	38.7	58.1





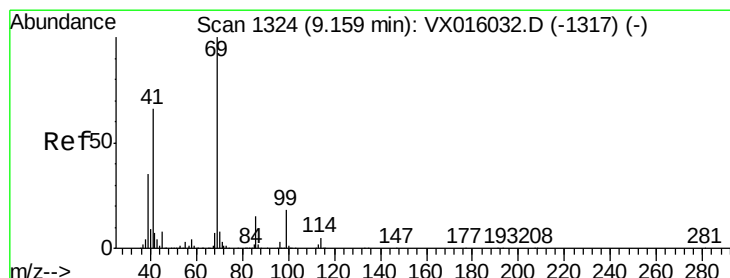
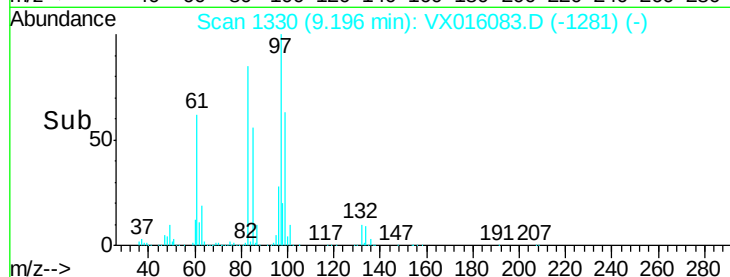
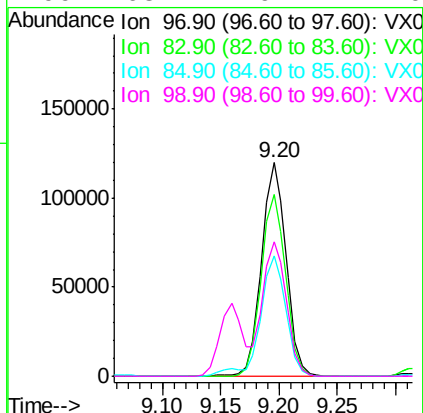
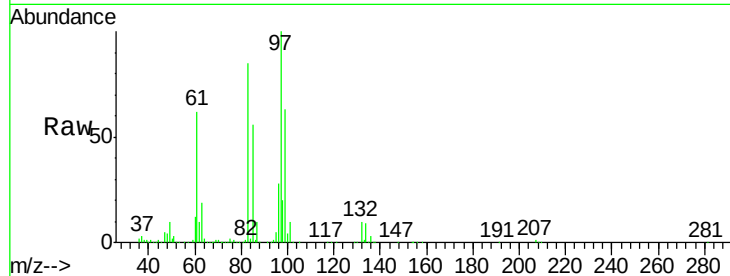
#55
 1,1,2-Trichloroethane
 Concen: 47.837 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016083.D
 Acq: 07 May 2020 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	177243
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.8	101.8
85	56.2	43.8	65.8
99	63.2	49.4	74.0

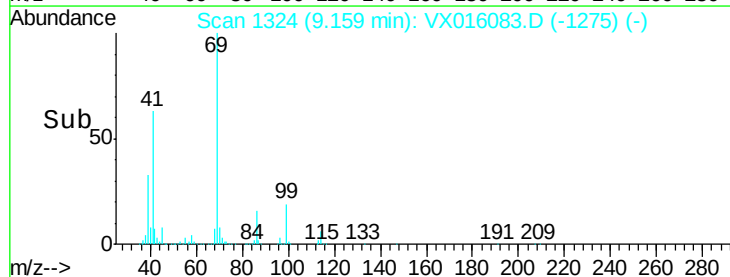
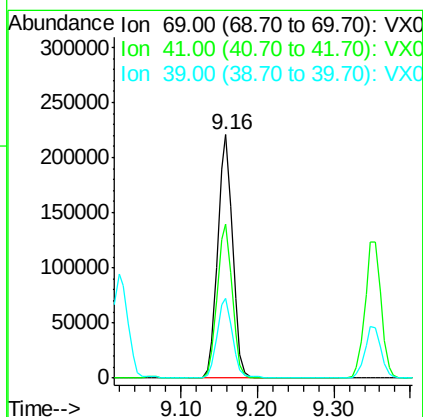
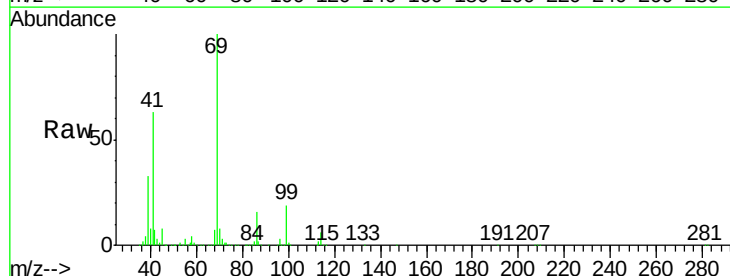
Manual Integrations
 APPROVED

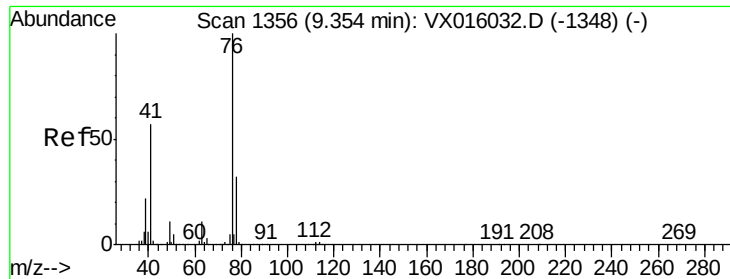
MMDadoda
 5/8/2020 11:53:55 AM



#56
 Ethyl methacrylate
 Concen: 49.027 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016083.D
 Acq: 07 May 2020 09:55

Tgt Ion:	69	Resp:	296512
Ion	Ratio	Lower	Upper
69	100		
41	64.0	52.2	78.4
39	34.1	28.2	42.4





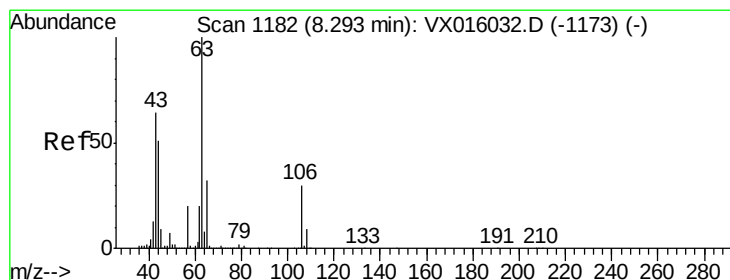
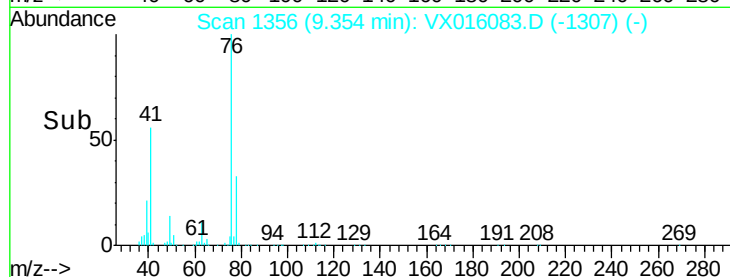
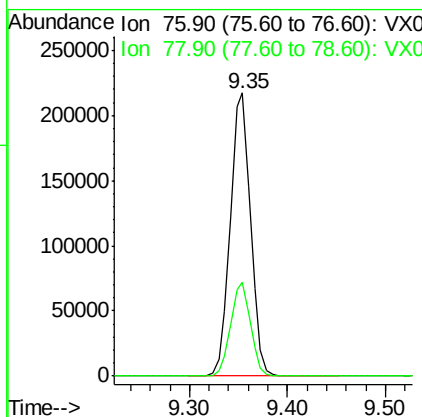
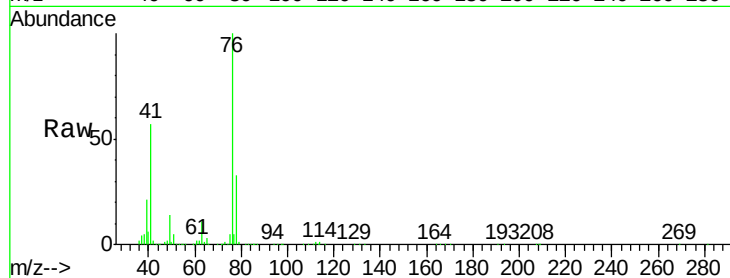
#57
 1,3-Dichloropropane
 Concen: 48.378 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VX016083.D
 Acq: 07 May 2020 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

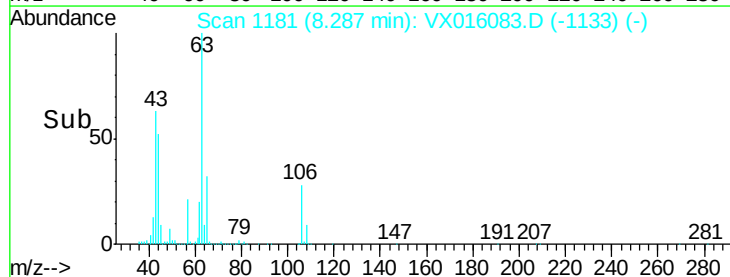
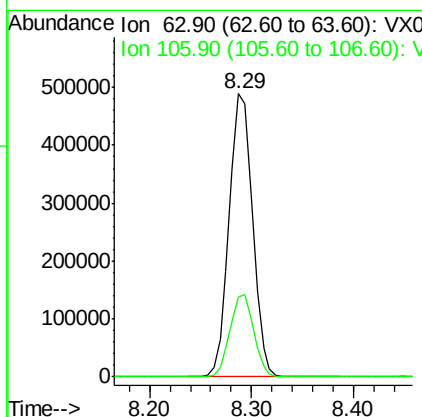
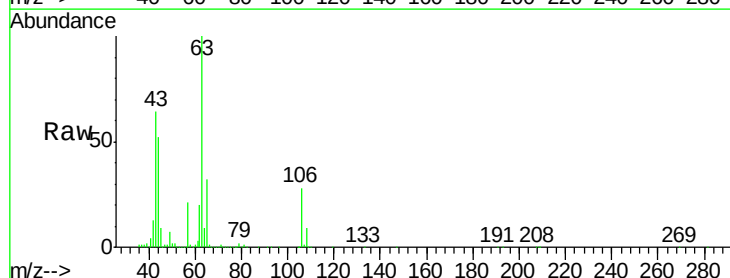
Manual Integrations
 APPROVED

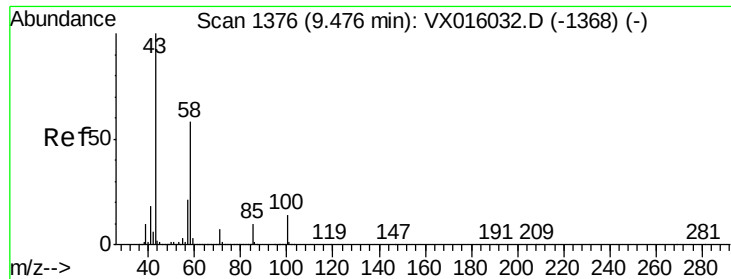
MMDadoda
 5/8/2020 11:53:55 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.989 ug/l
 RT: 8.29 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VX016083.D
 Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.4	35.2





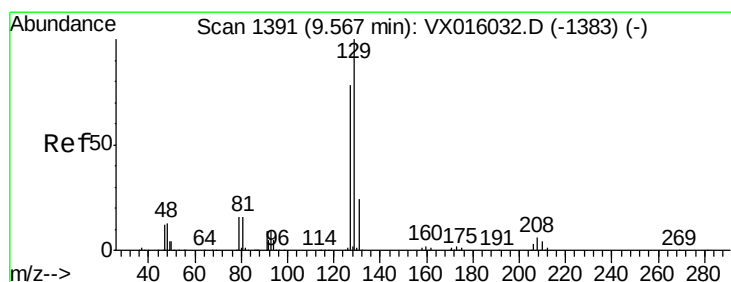
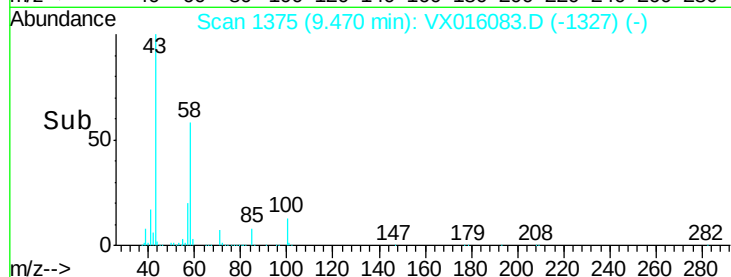
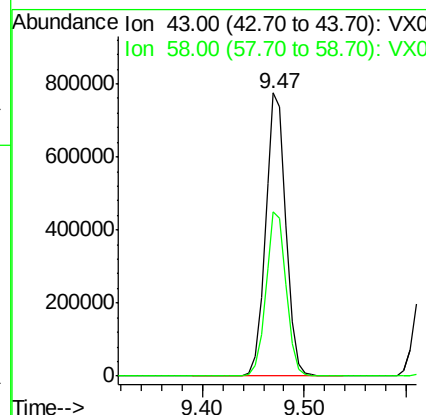
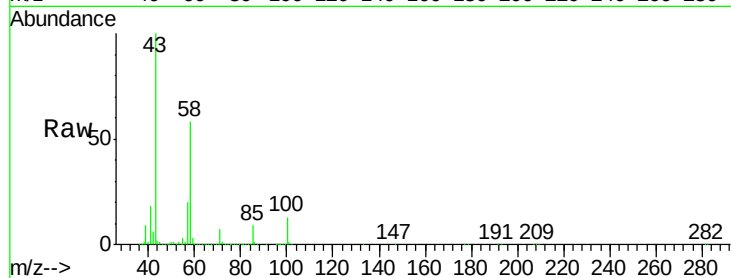
#59
2-Hexanone
Concen: 233.296 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1070580
Ion Ratio Lower Upper
43 100
58 58.1 28.6 85.9

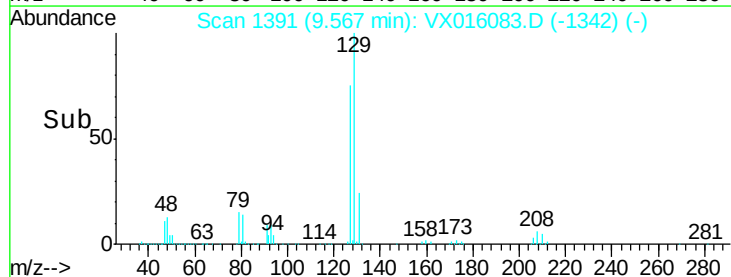
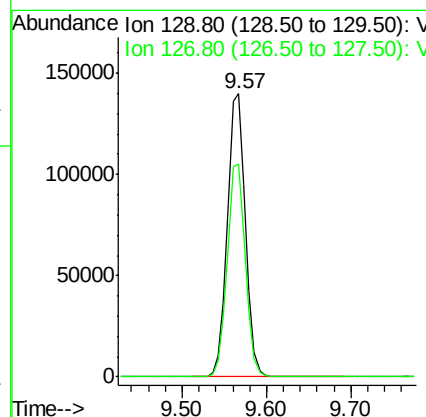
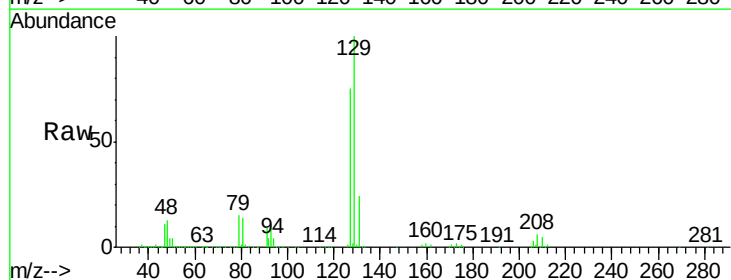
Manual Integrations
APPROVED

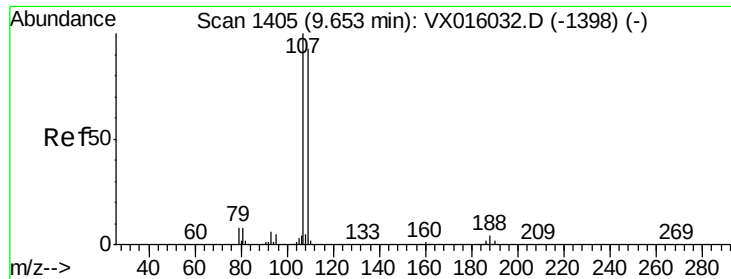
MMDadoda
5/8/2020 11:53:55 AM



#60
Dibromochloromethane
Concen: 50.792 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Tgt Ion: 129 Resp: 207265
Ion Ratio Lower Upper
129 100
127 75.9 38.4 115.2





#61

1,2-Dibromoethane

Concen: 47.998 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 192630

Ion Ratio Lower Upper

107 100

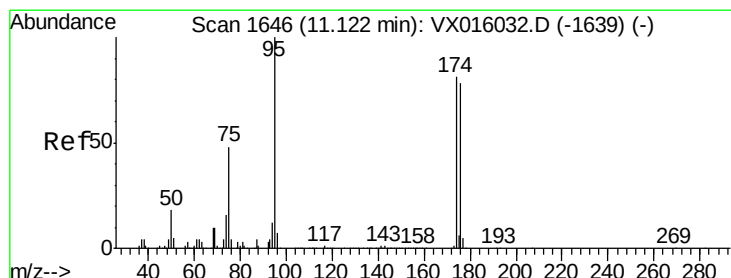
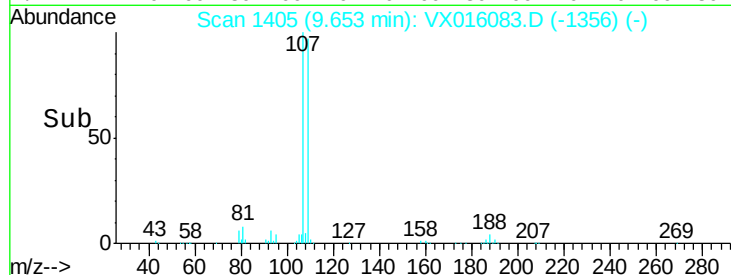
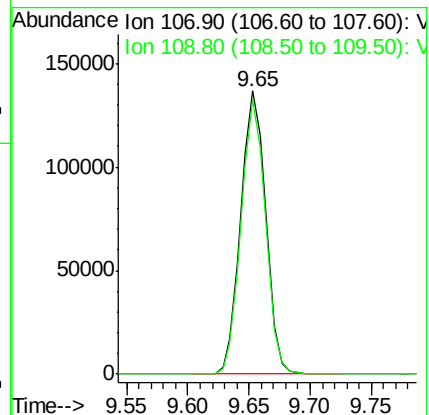
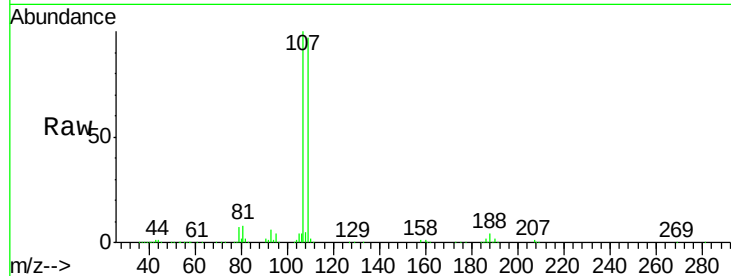
109 94.8 74.9 112.3

Manual Integrations

APPROVED

MMDadoda

5/8/2020 11:53:55 AM



#62

4-Bromofluorobenzene

Concen: 46.842 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

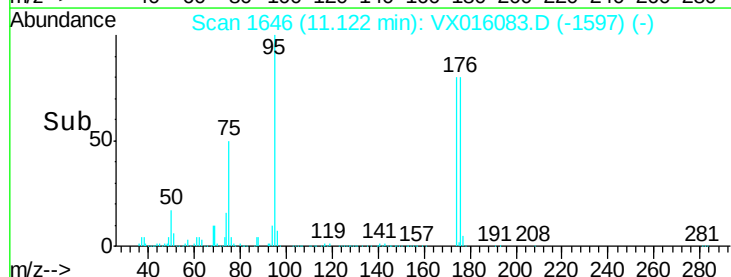
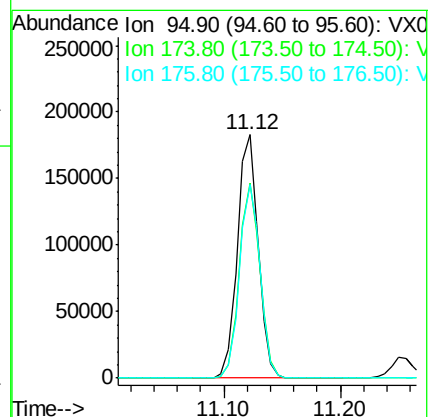
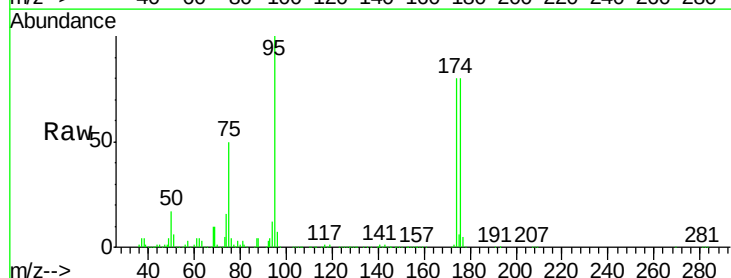
Tgt Ion: 95 Resp: 228142

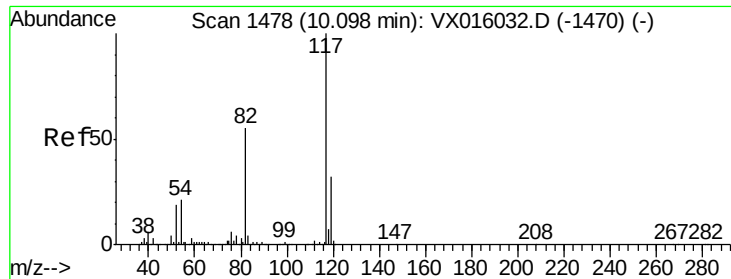
Ion Ratio Lower Upper

95 100

174 79.5 0.0 159.4

176 78.9 0.0 157.6





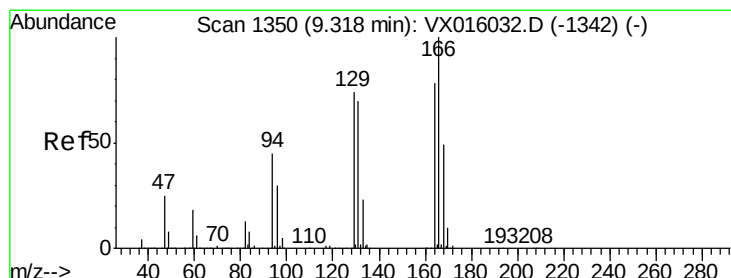
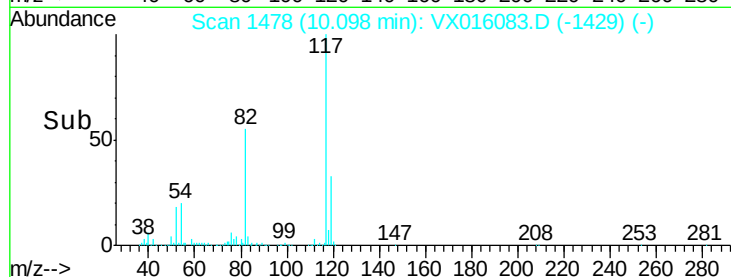
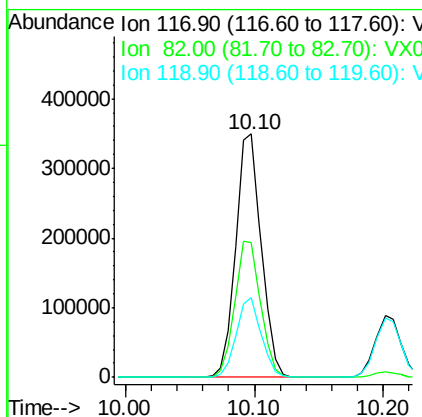
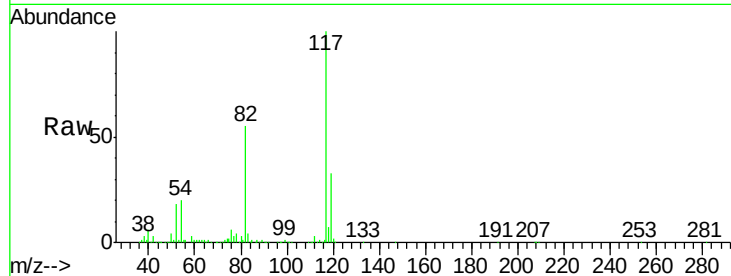
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	481169		
82	55.1	44.4	66.6	
119	33.0	25.5	38.3	

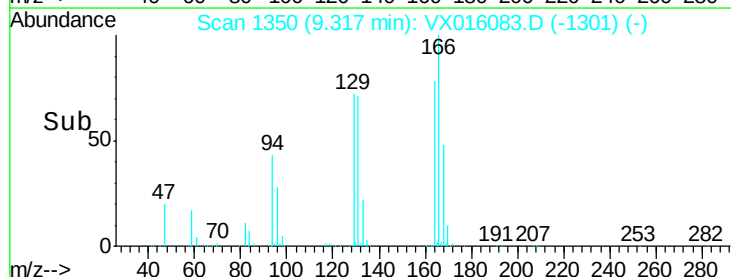
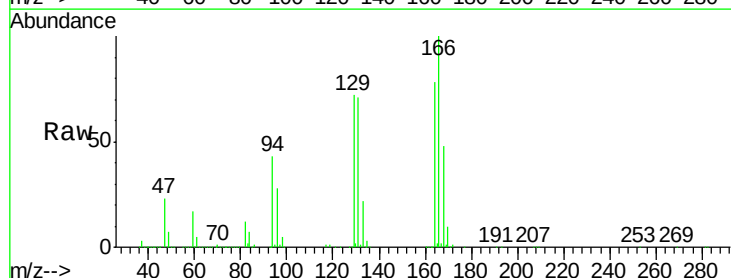
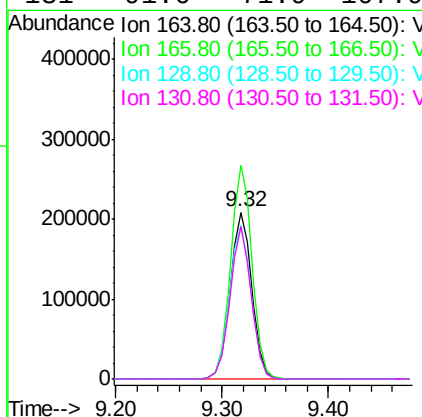
Manual Integrations
APPROVED

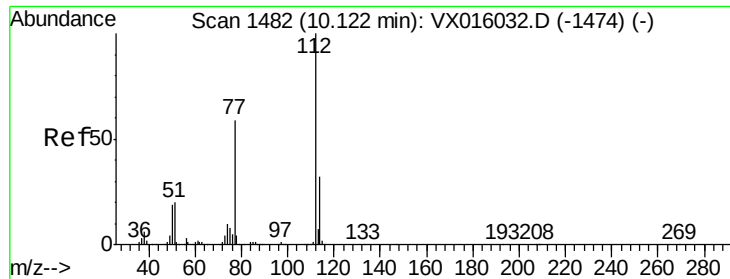
MMDadoda
5/8/2020 11:53:55 AM



#64
Tetrachloroethene
Concen: 50.101 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	295944		
166	128.2	102.9	154.3	
129	92.0	76.1	114.1	
131	91.6	71.9	107.9	





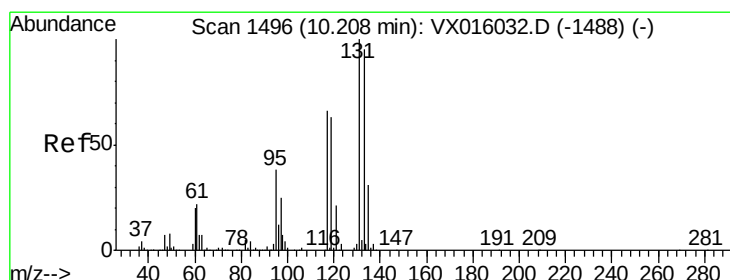
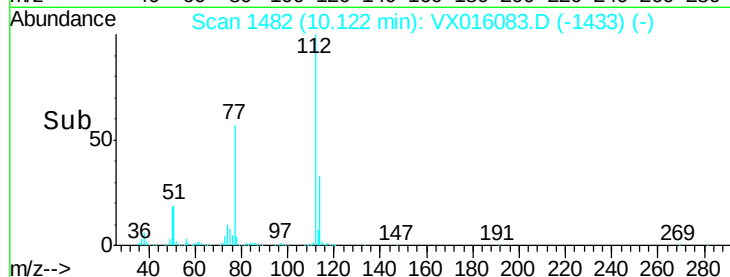
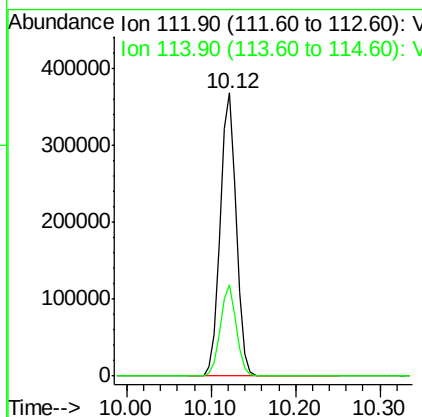
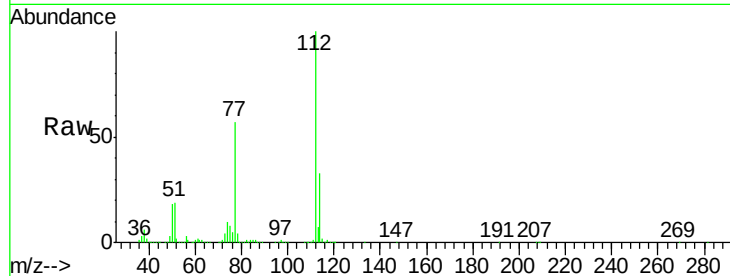
#65
Chlorobenzene
Concen: 48.361 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 487247
Ion Ratio Lower Upper
112 100
114 32.5 25.7 38.5

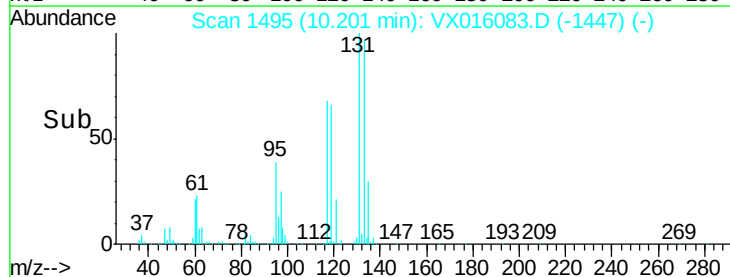
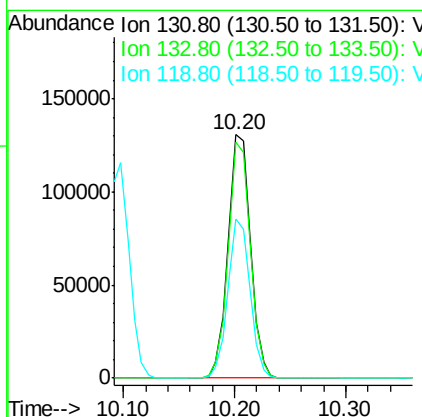
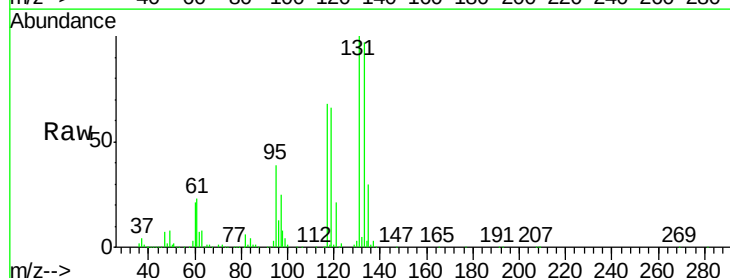
Manual Integrations
APPROVED

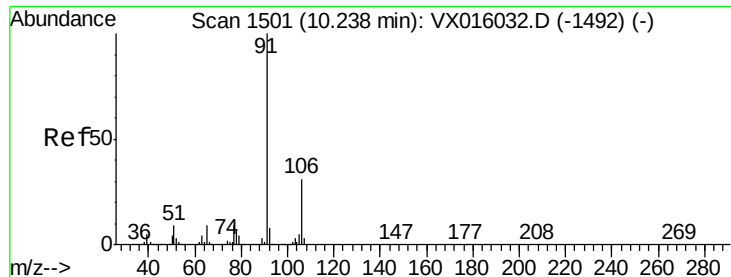
MMDadoda
5/8/2020 11:53:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.251 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Tgt Ion:131 Resp: 183406
Ion Ratio Lower Upper
131 100
133 95.6 48.3 144.8
119 64.0 32.3 96.9





#67

Ethyl Benzene

Concen: 49.052 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 881780

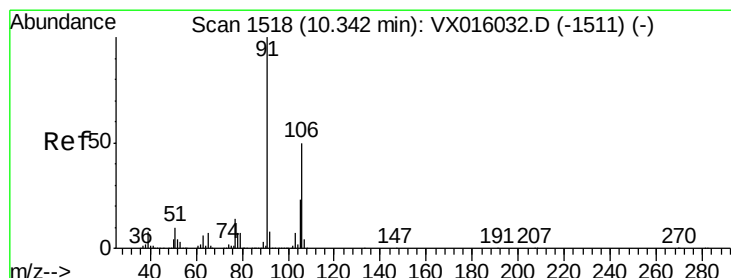
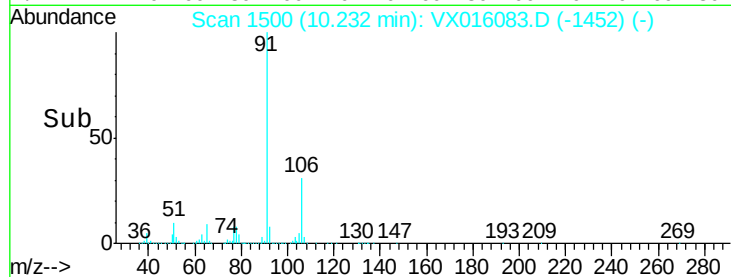
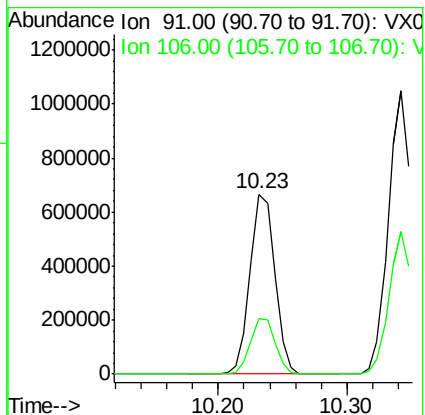
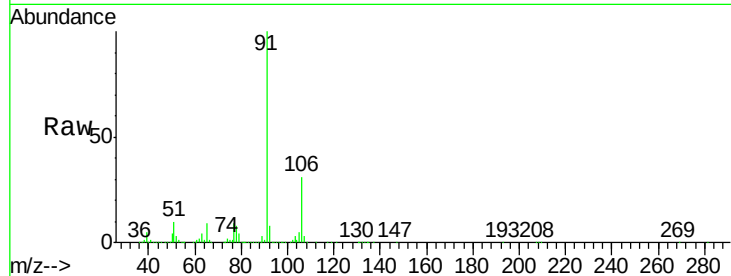
Ion Ratio Lower Upper

91 100

106 30.9 25.1 37.7

Manual Integrations
APPROVED

MMDadoda
5/8/2020 11:53:55 AM



#68

m/p-Xylenes

Concen: 99.888 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016083.D

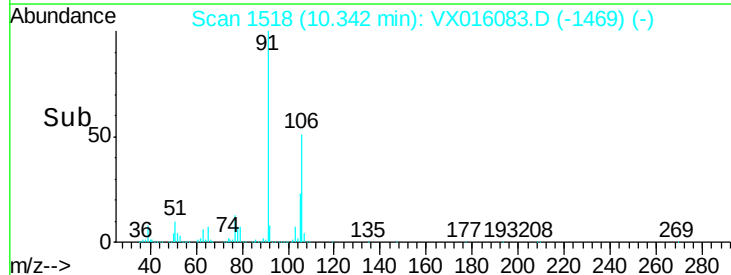
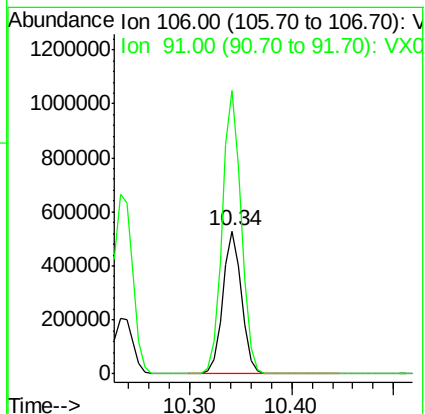
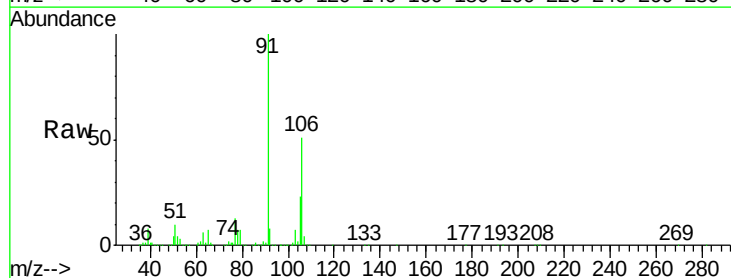
Acq: 07 May 2020 09:55

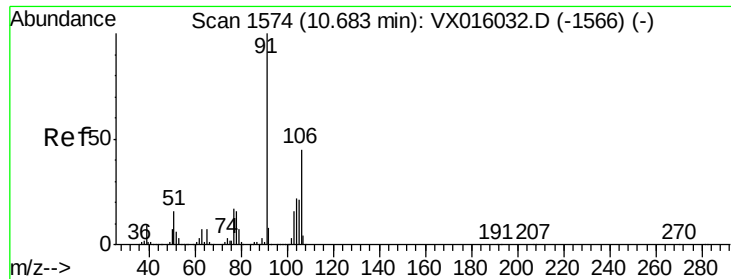
Tgt Ion: 106 Resp: 672761

Ion Ratio Lower Upper

106 100

91 201.1 161.7 242.5





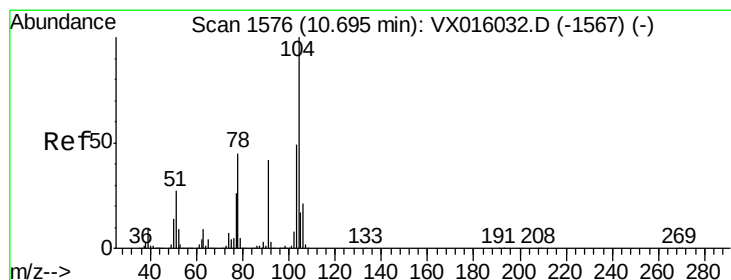
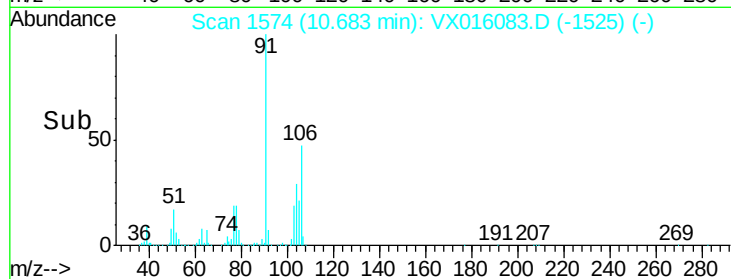
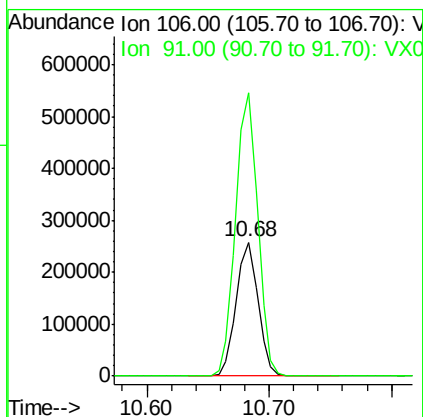
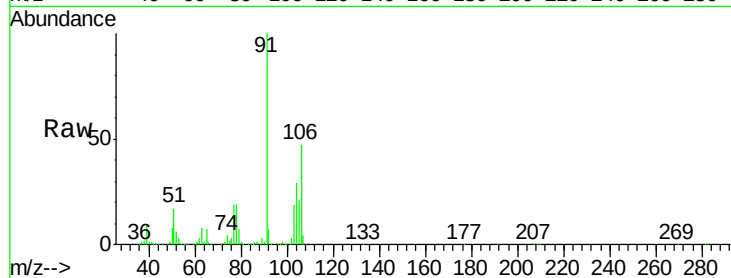
#69
o-Xylene
Concen: 49.225 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.2	107.5	322.6

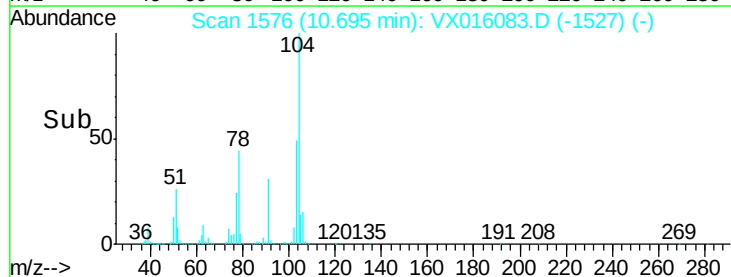
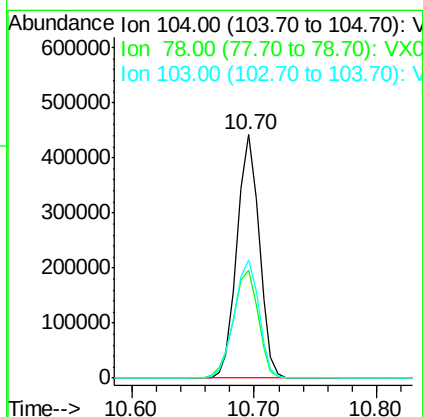
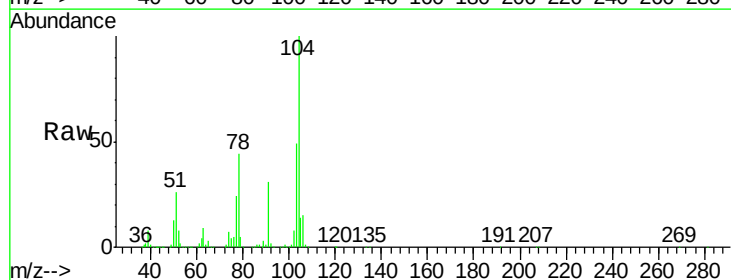
Manual Integrations
APPROVED

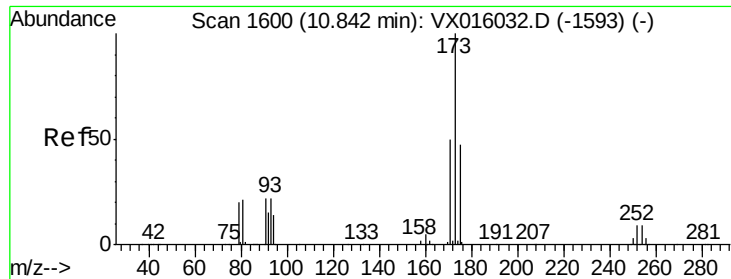
MMDadoda
5/8/2020 11:53:55 AM



#70
Styrene
Concen: 50.467 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.2	60.2
103	53.9	43.0	64.6





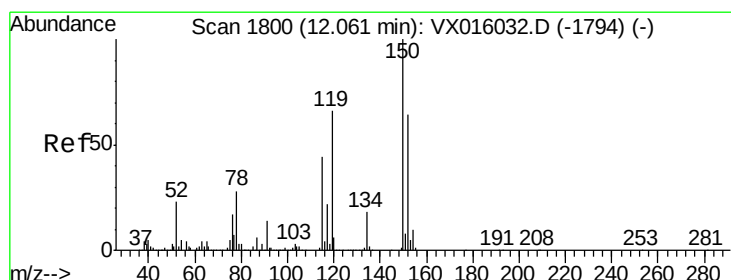
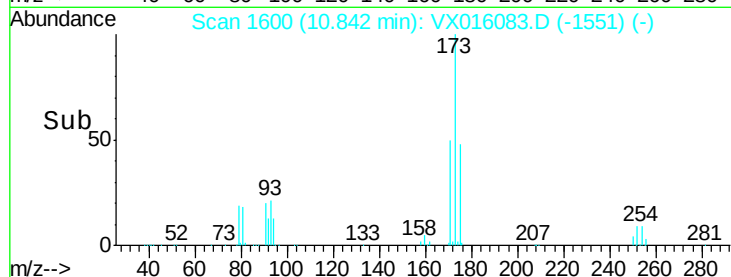
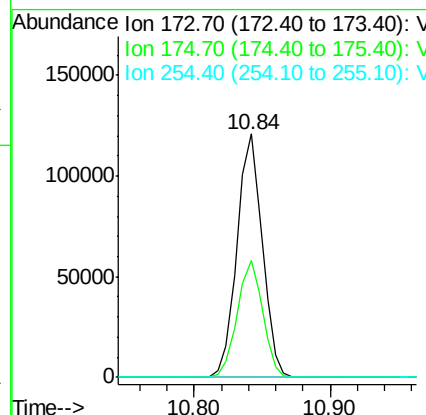
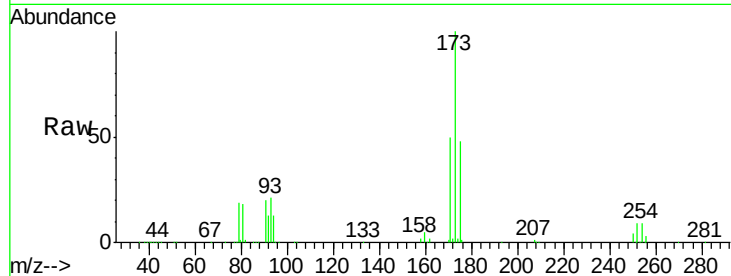
#71
Bromoform
Concen: 51.558 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.0	72.0
254	0.1	0.1	0.1

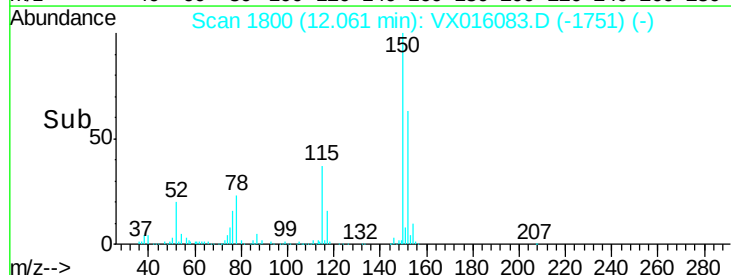
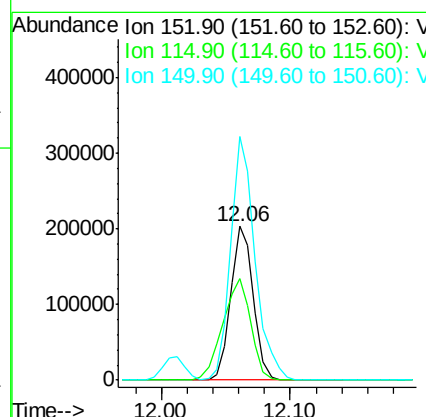
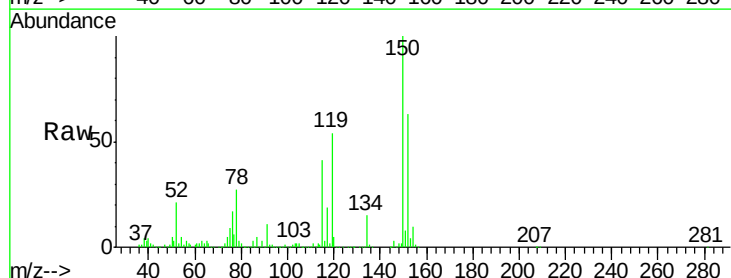
Manual Integrations
APPROVED

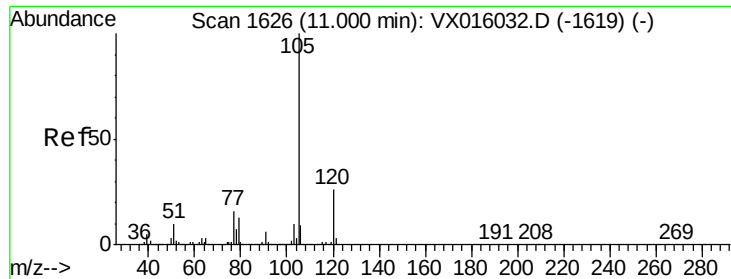
MMDadoda
5/8/2020 11:53:55 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.2	41.3	124.1
150	173.1	0.0	352.2





#73

Isopropylbenzene

Concen: 48.176 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 871379

Ion Ratio Lower Upper

105 100

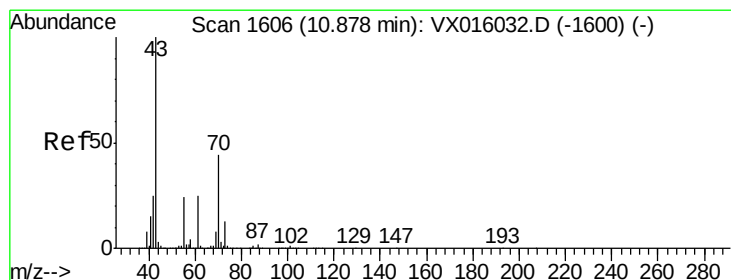
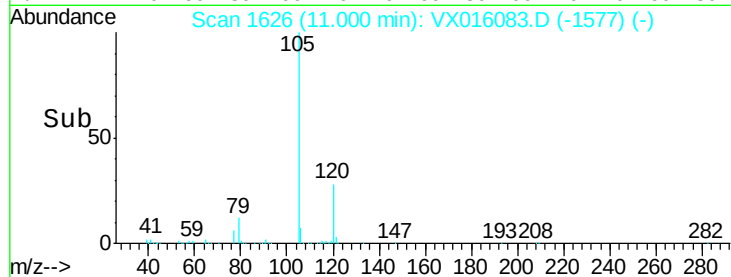
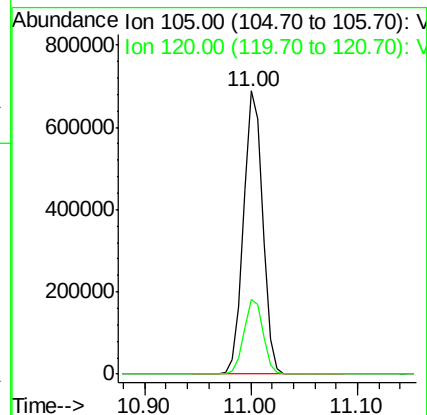
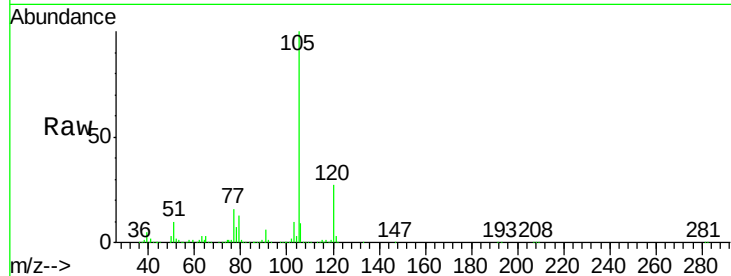
120 26.6 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

5/8/2020 11:53:55 AM



#74

N-ethyl acetate

Concen: 45.690 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Tgt Ion: 43 Resp: 385471

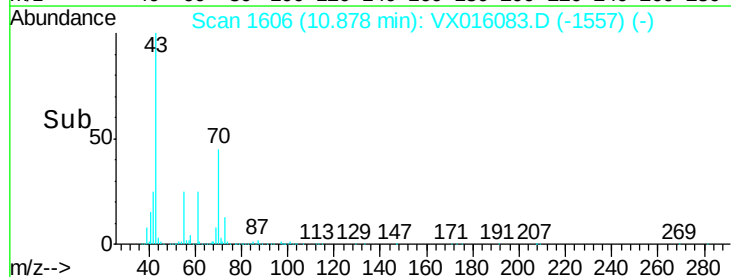
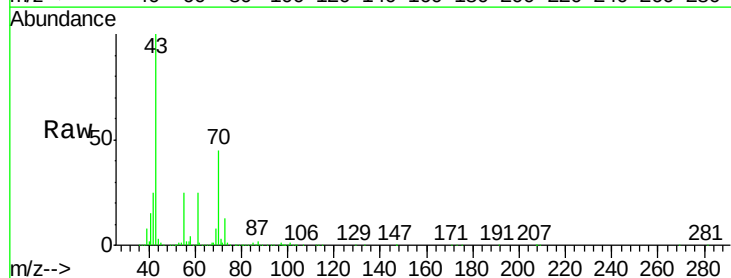
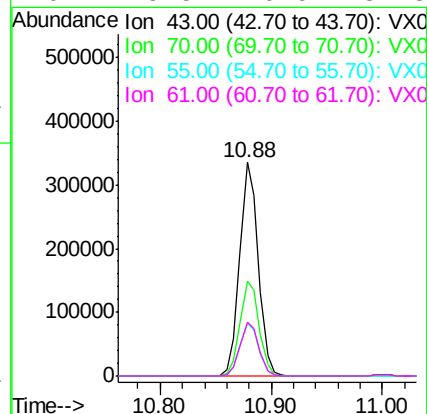
Ion Ratio Lower Upper

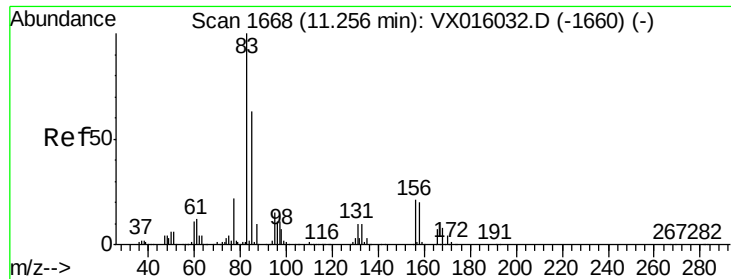
43 100

70 45.7 36.5 54.7

55 25.2 19.7 29.5

61 25.5 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 39.455 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

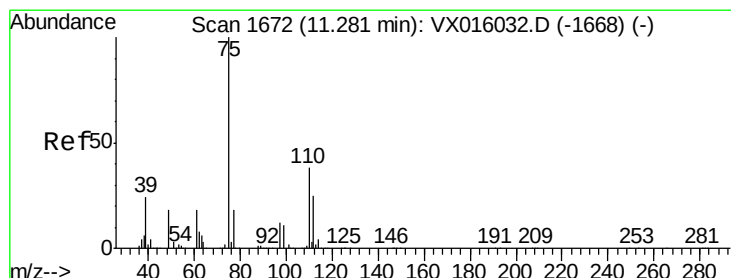
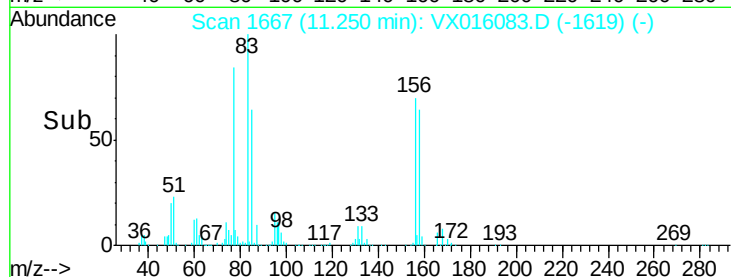
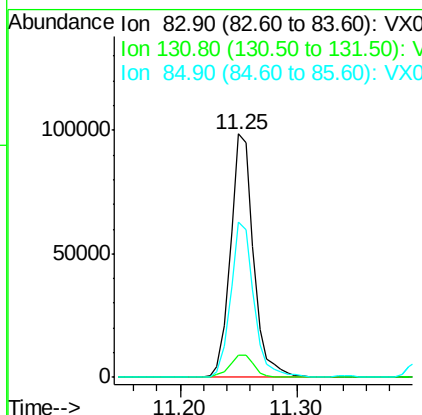
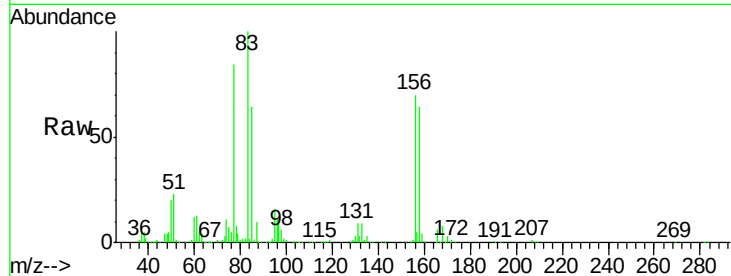
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	135733
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.4
85	64.2	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
5/8/2020 11:53:55 AM



#76

1,2,3-Trichloropropane

Concen: 46.708 ug/l m

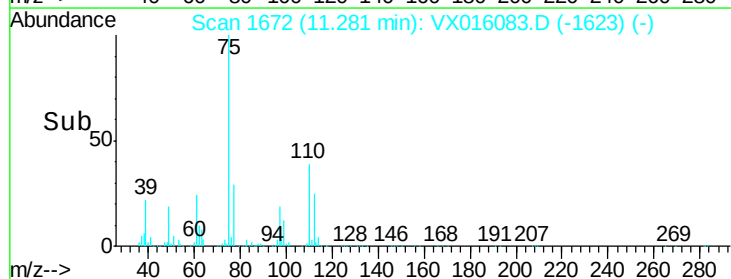
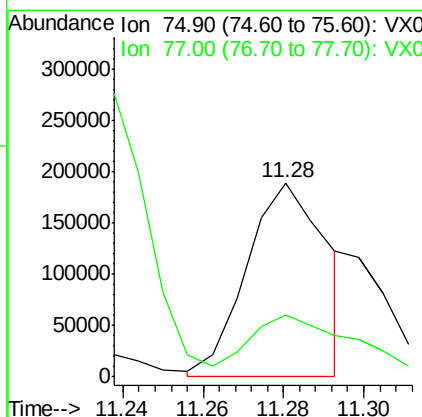
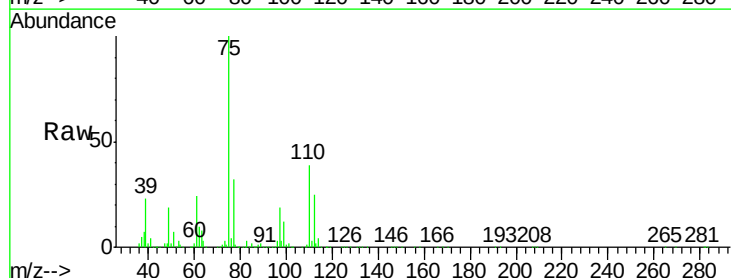
RT: 11.28 min Scan# 1672

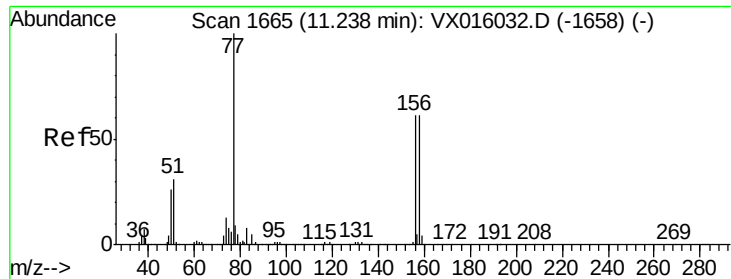
Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Tgt Ion:	75	Resp:	263576
Ion Ratio	Lower	Upper	
75	100		
77	41.8	21.2	63.6





#77

Bromobenzene

Concen: 46.110 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

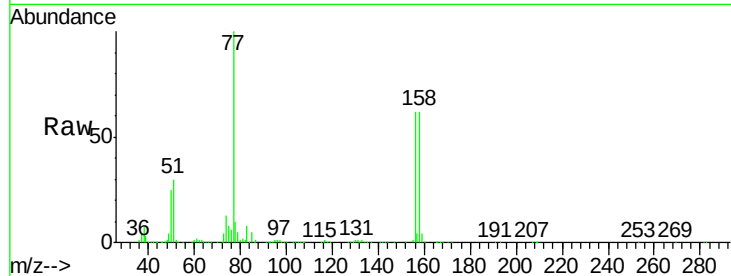
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.9	80.1	240.3
158	96.4	49.4	148.2

Manual Integrations
APPROVED

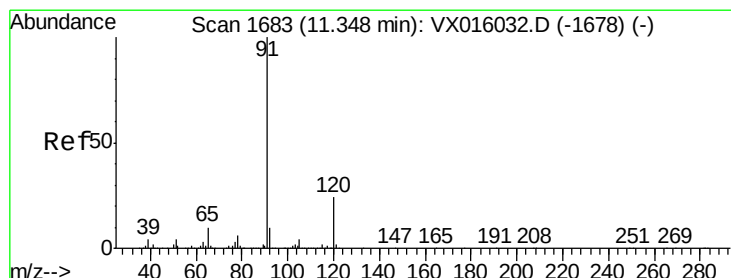
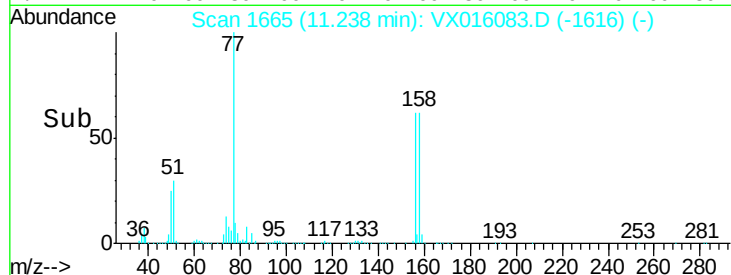
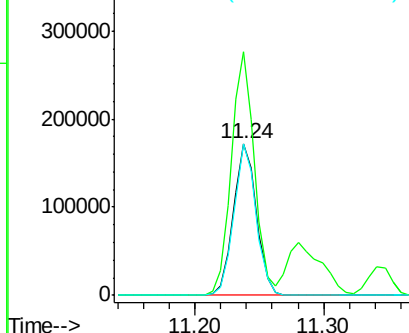
MMDadoda
5/8/2020 11:53:55 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.921 ug/l

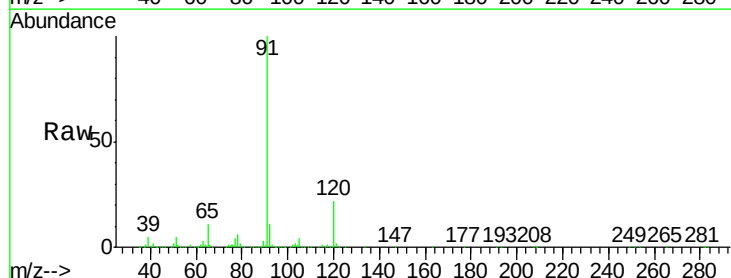
RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX016083.D

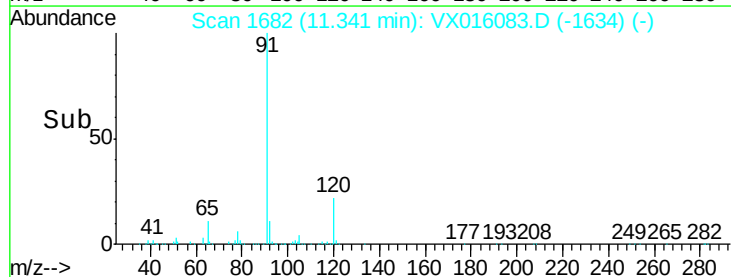
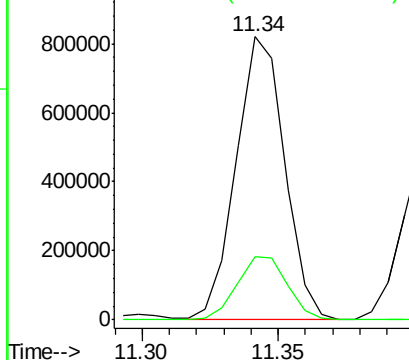
Acq: 07 May 2020 09:55

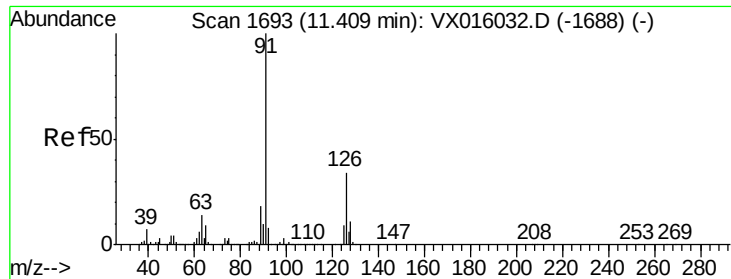
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.406 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 588798

Ion Ratio Lower Upper

91 100

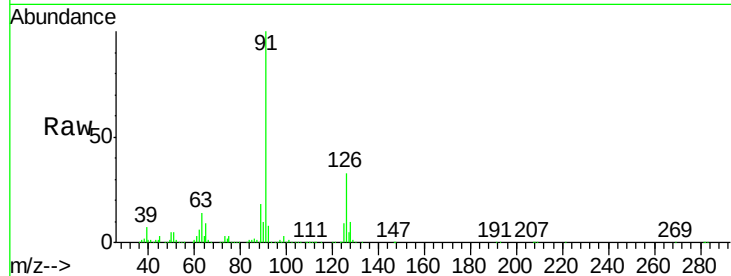
126 33.6 16.9 50.6

Manual Integrations

APPROVED

MMDadoda

5/8/2020 11:53:55 AM



Abundance Ion 91.00 (90.70 to 91.70): VX016083.D (-1644) (-)

Ion 125.90 (125.60 to 126.60): VX016083.D (-1644) (-)

800000

600000

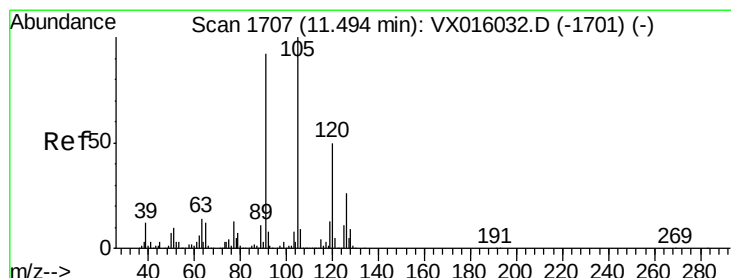
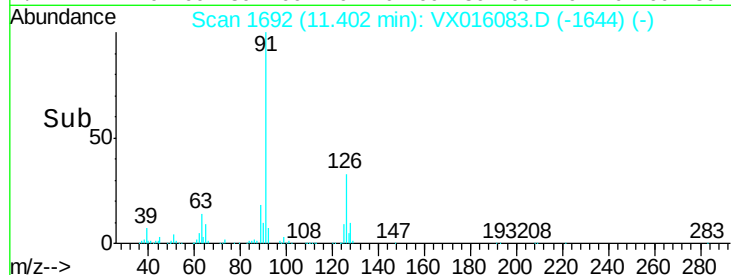
400000

200000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.405 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX016083.D

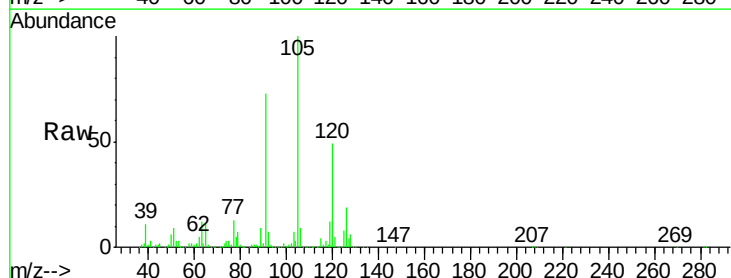
Acq: 07 May 2020 09:55

Tgt Ion: 105 Resp: 739223

Ion Ratio Lower Upper

105 100

120 50.0 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VX016083.D (-1658) (-)

Ion 120.00 (119.70 to 120.70): VX016083.D (-1658) (-)

600000

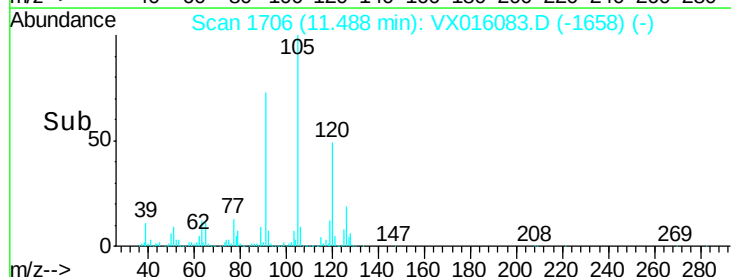
400000

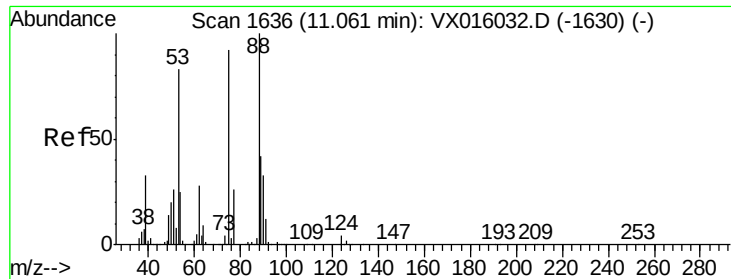
200000

0

11.40 11.50 11.60

Time-->





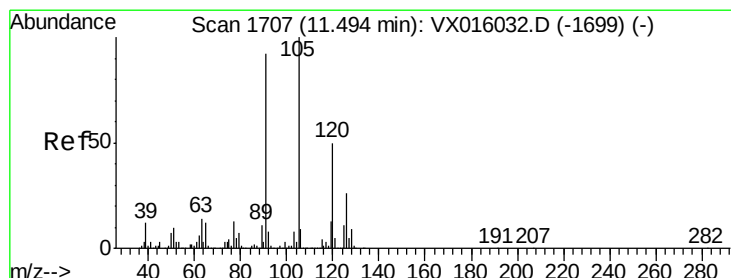
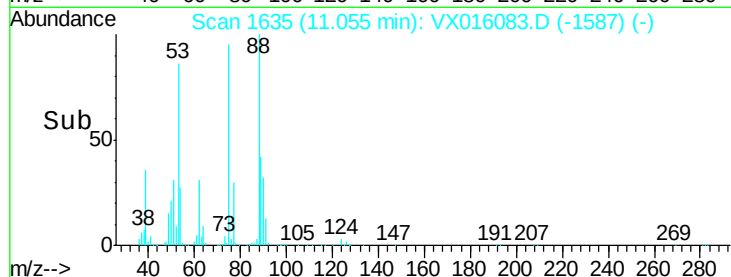
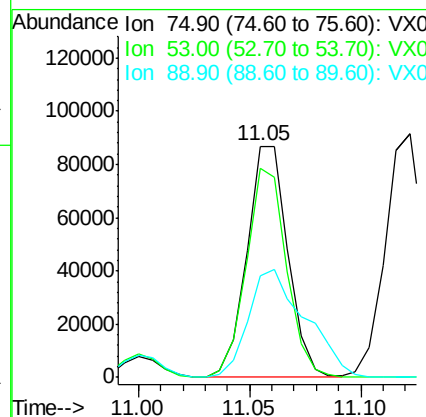
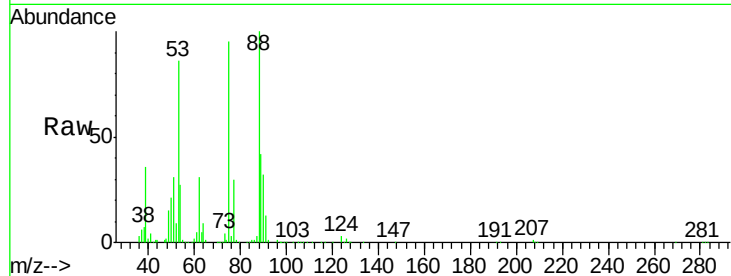
#81
trans-1,4-Dichloro-2-butene
Concen: 47.046 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.1	73.1	109.7
89	65.0	36.7	55.1

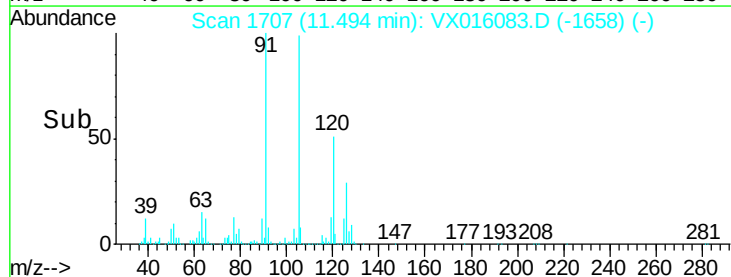
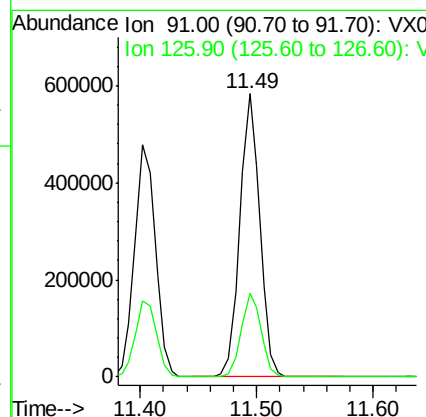
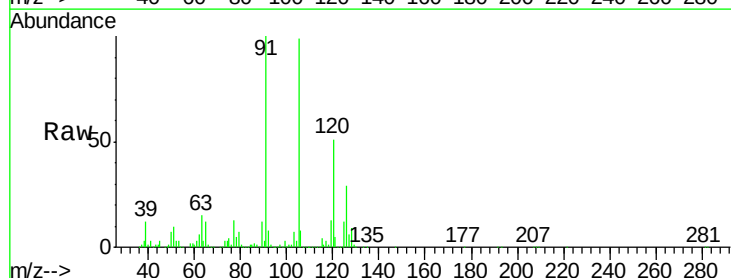
Manual Integrations
APPROVED

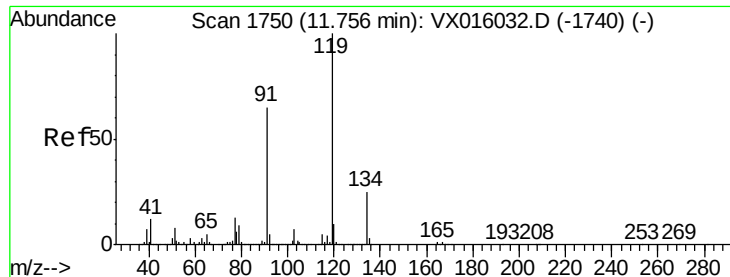
MMDadoda
5/8/2020 11:53:55 AM



#82
4-Chlorotoluene
Concen: 47.528 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.6	14.8	44.3





#83

tert-Butylbenzene

Concen: 48.081 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

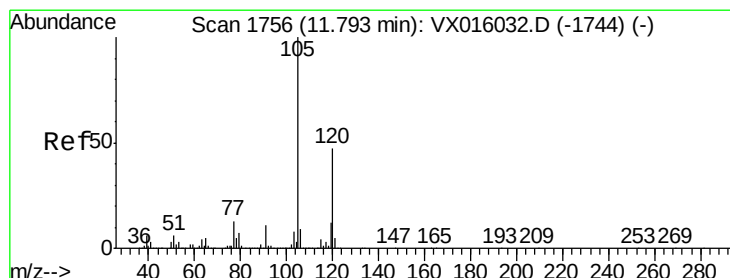
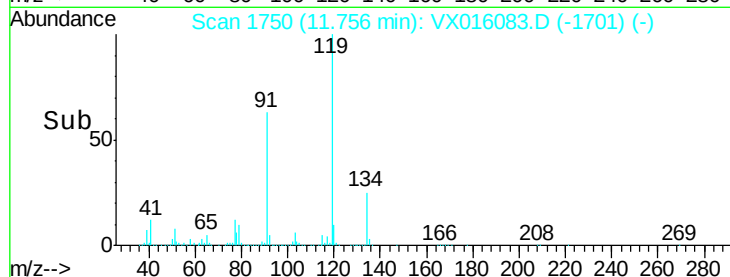
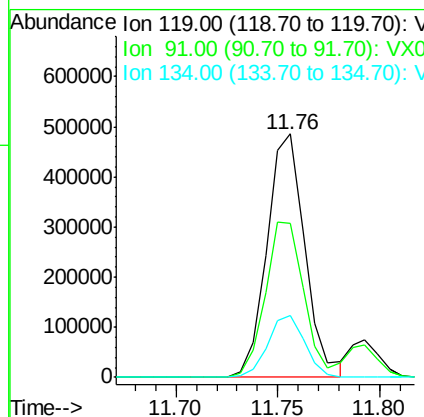
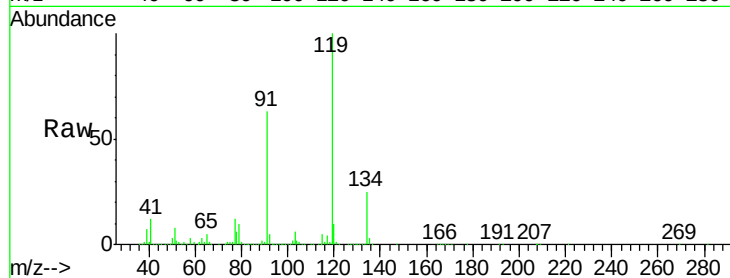
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	632795
Ion Ratio	Lower	Upper	
119	100		
91	64.6	32.8	98.4
134	24.7	12.4	37.0

Manual Integrations
APPROVED

MMDadoda
5/8/2020 11:53:55 AM



#84

1,2,4-Trimethylbenzene

Concen: 48.403 ug/l

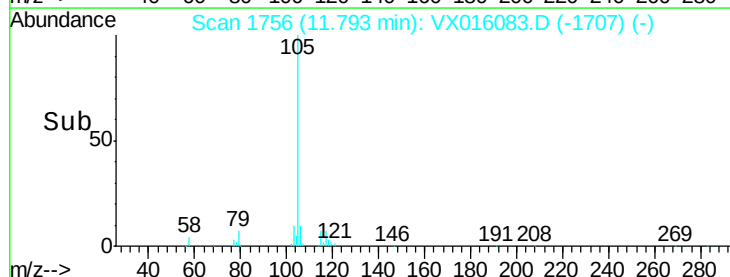
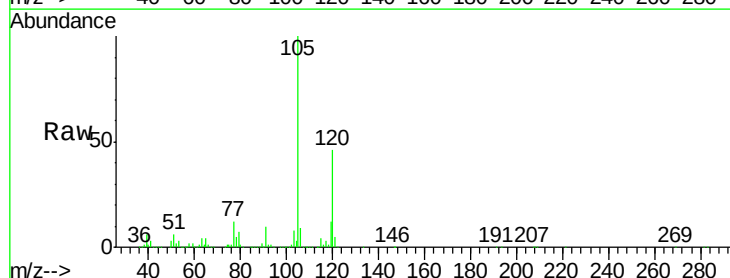
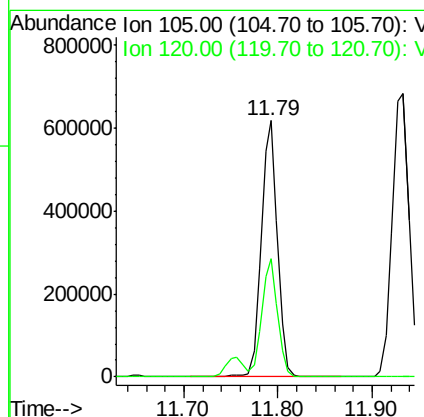
RT: 11.79 min Scan# 1756

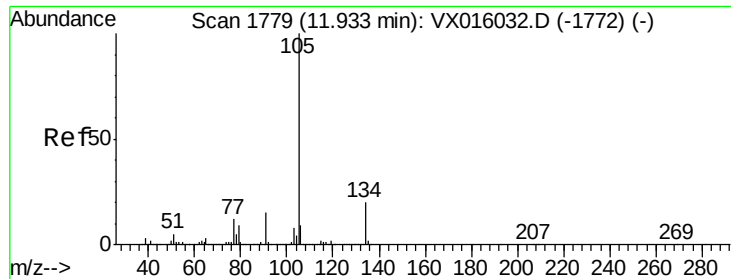
Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Tgt Ion:	105	Resp:	747325
Ion Ratio	Lower	Upper	
105	100		
120	45.1	23.0	69.0





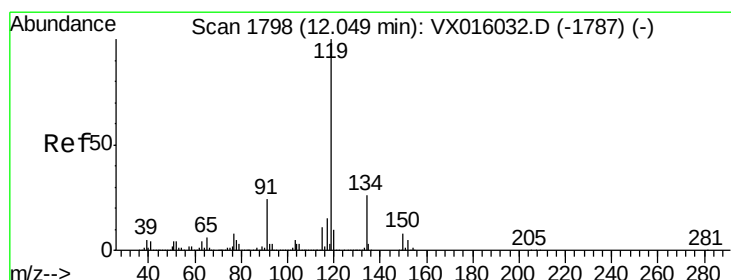
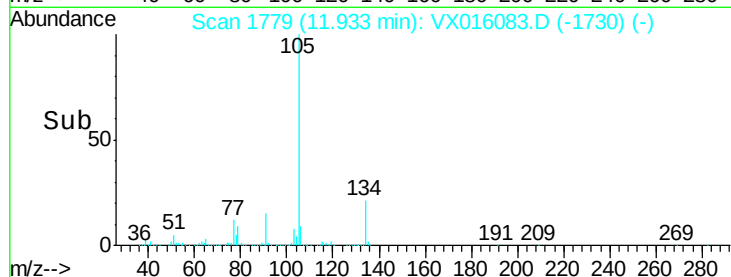
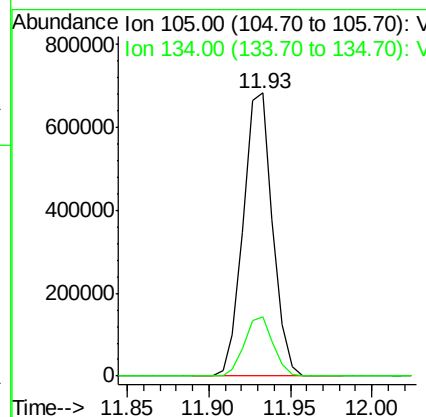
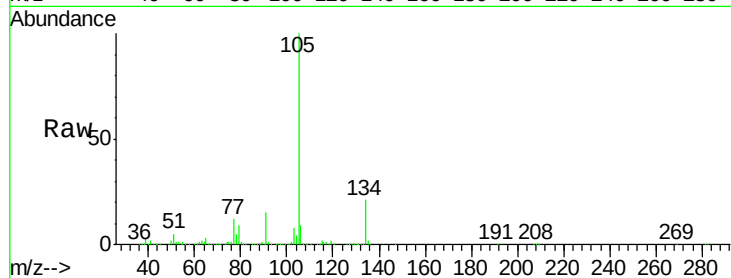
#85
 sec-Butylbenzene
 Concen: 48.169 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016083.D
 Acq: 07 May 2020 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	855953		
134	20.6	10.1	30.3	

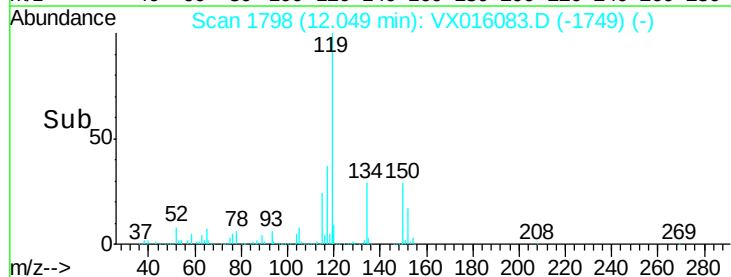
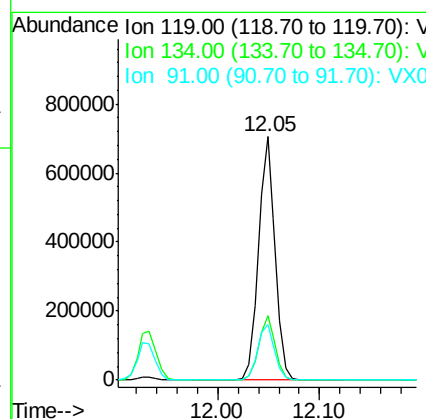
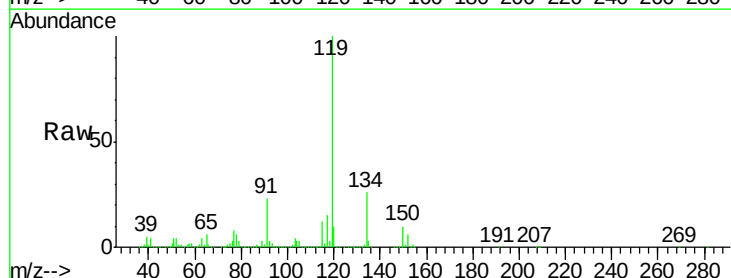
Manual Integrations
 APPROVED

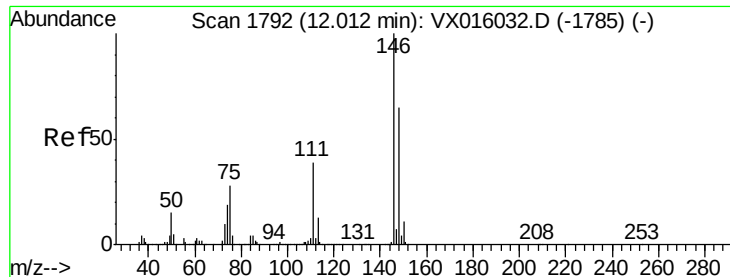
MMDadoda
 5/8/2020 11:53:55 AM



#86
 p-Isopropyltoluene
 Concen: 48.789 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016083.D
 Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	804936		
134	26.3	13.1	39.3	
91	23.5	11.8	35.4	





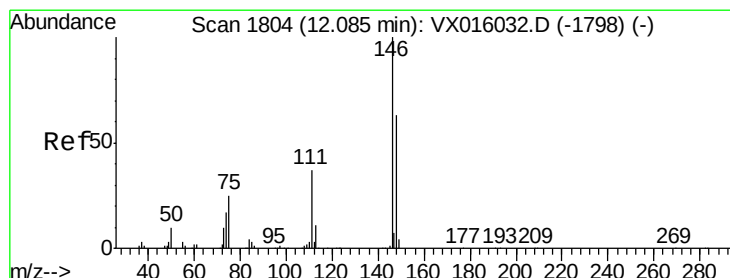
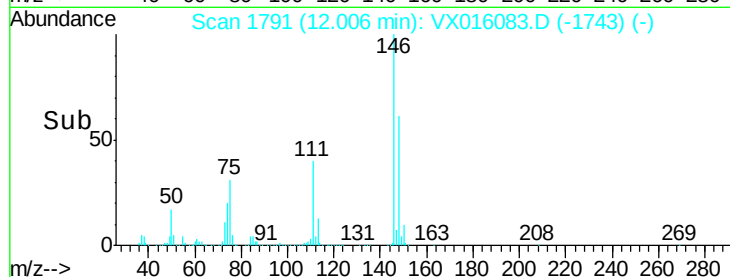
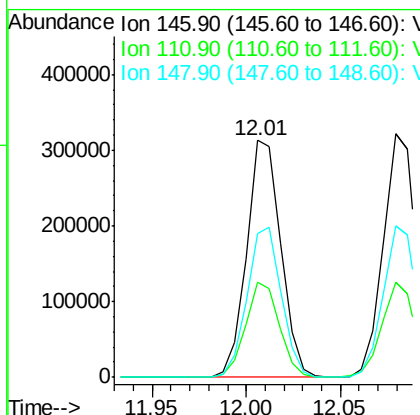
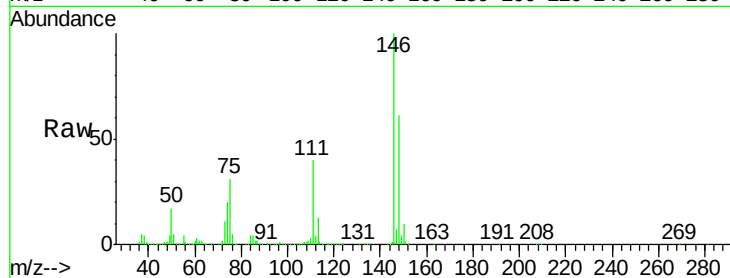
#87
 1,3-Dichlorobenzene
 Concen: 47.096 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX016083.D
 Acq: 07 May 2020 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.6
148	63.4	32.1	96.3

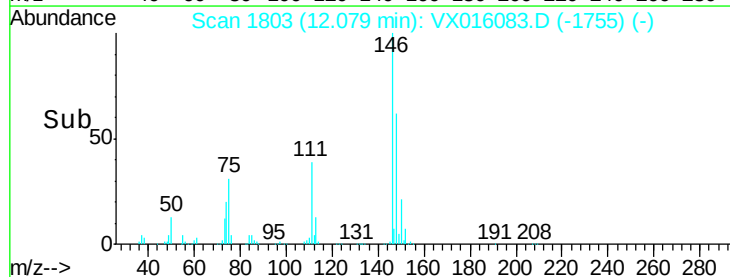
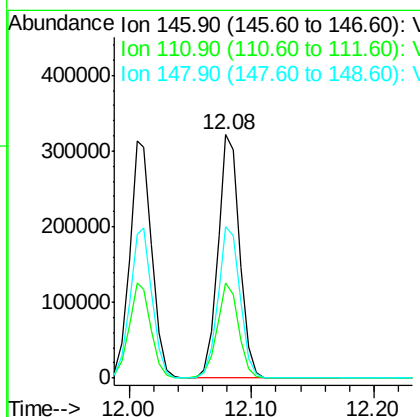
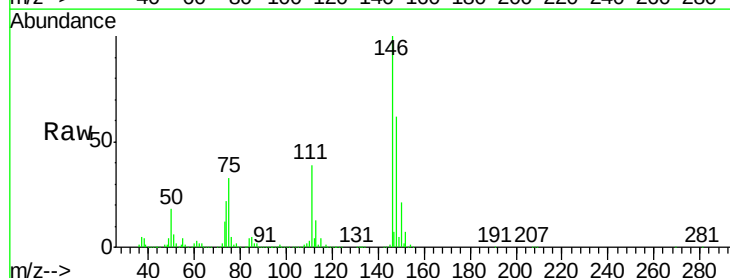
Manual Integrations
 APPROVED

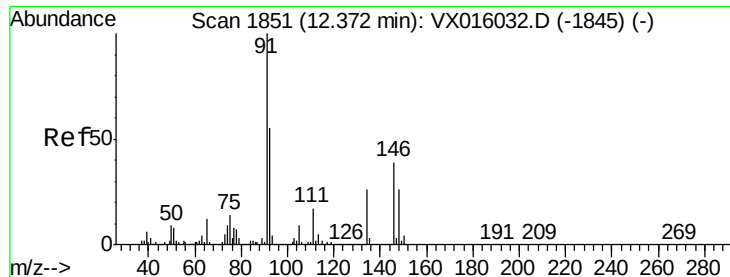
MMDadoda
 5/8/2020 11:53:55 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.415 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016083.D
 Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	63.4	31.8	95.3





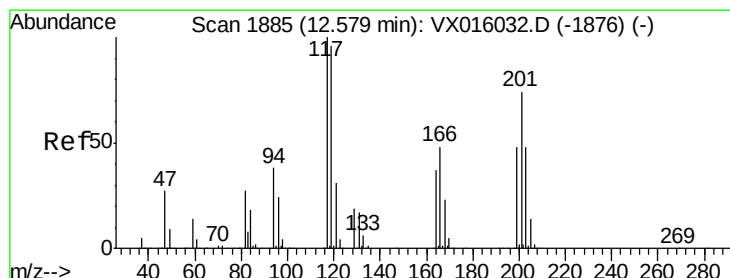
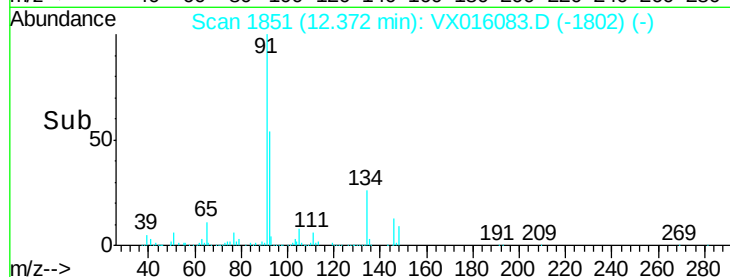
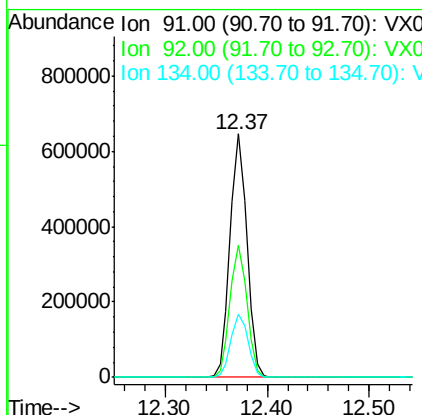
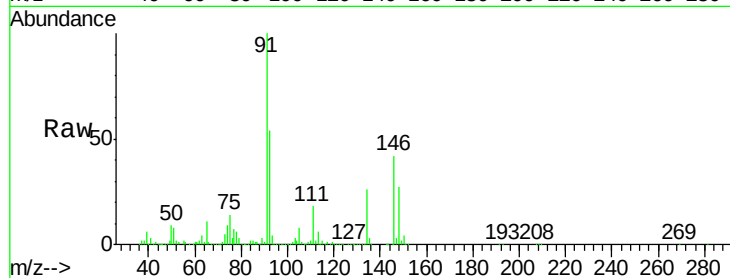
#89
n-Butylbenzene
Concen: 48.991 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.7
134	26.4	13.4	40.1

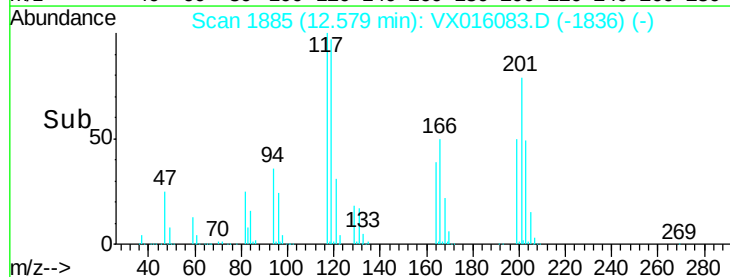
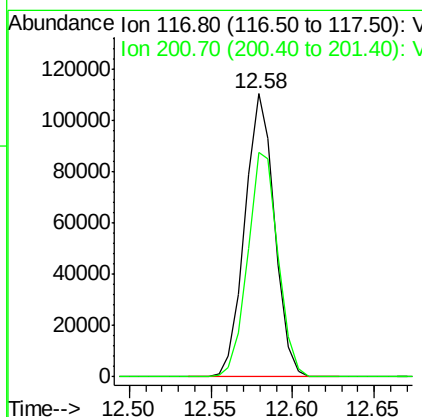
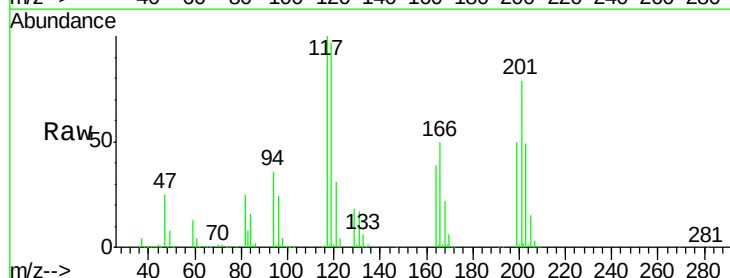
Manual Integrations
APPROVED

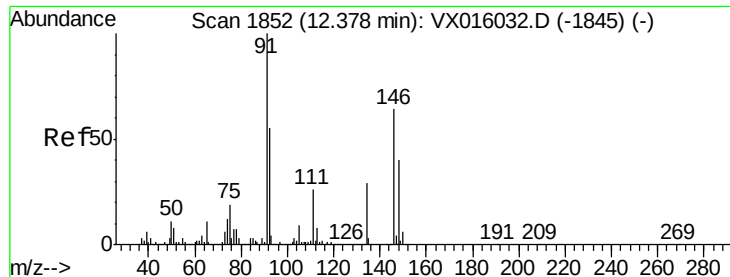
MMDadoda
5/8/2020 11:53:55 AM



#90
Hexachloroethane
Concen: 49.162 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016083.D
Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	39.8	119.3





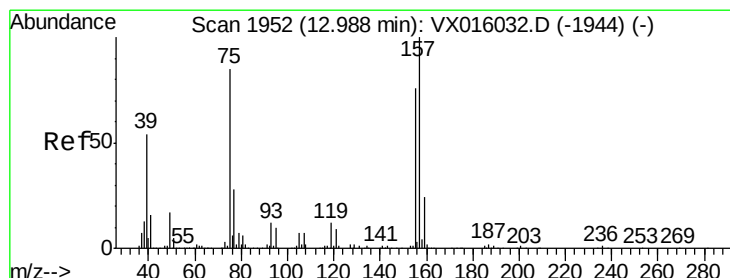
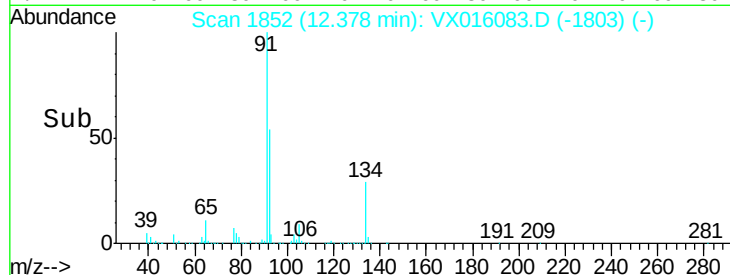
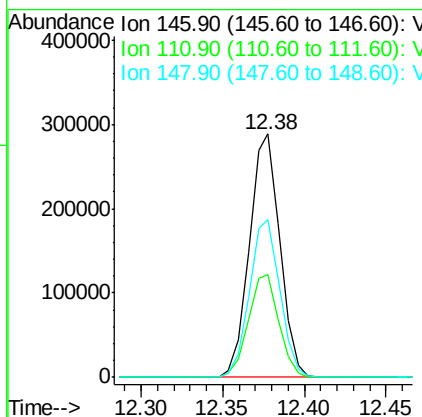
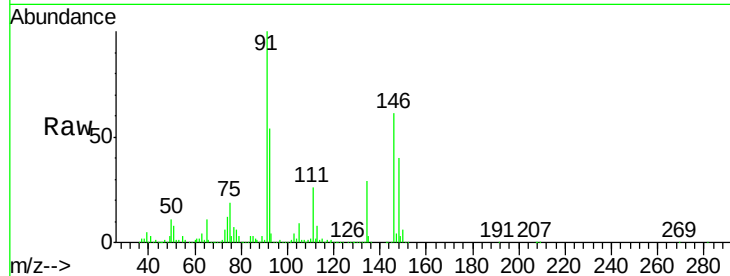
#91
 1,2-Dichlorobenzene
 Concen: 46.460 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016083.D
 Acq: 07 May 2020 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	375011		
111	42.2	21.1	63.1	
148	64.7	32.4	97.0	

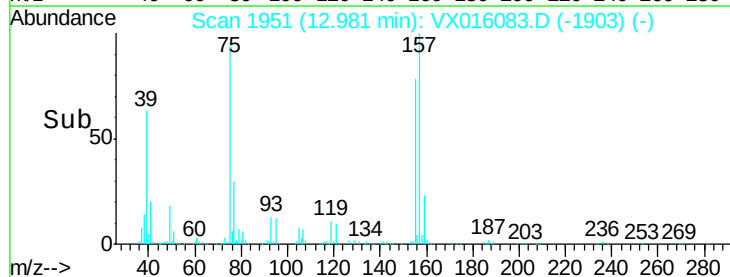
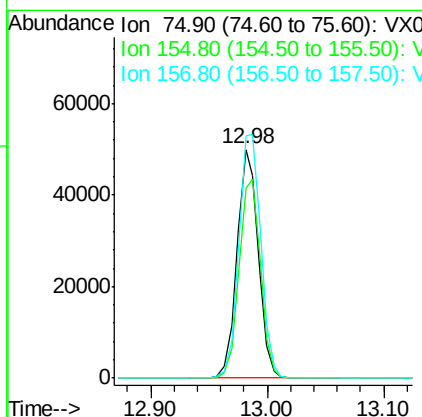
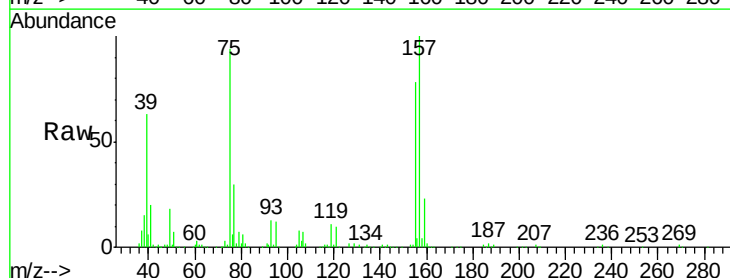
Manual Integrations
 APPROVED

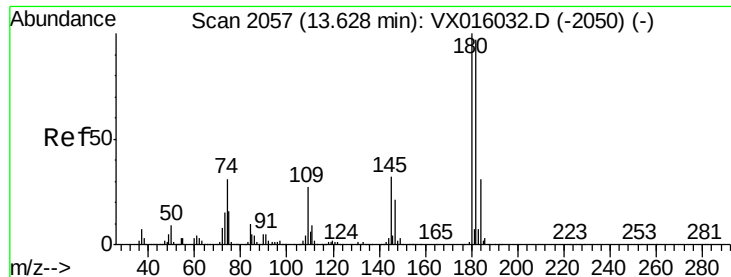
MMDadoda
 5/8/2020 11:53:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.680 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VX016083.D
 Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	63476		
155	87.8	42.5	127.5	
157	111.0	55.3	165.8	





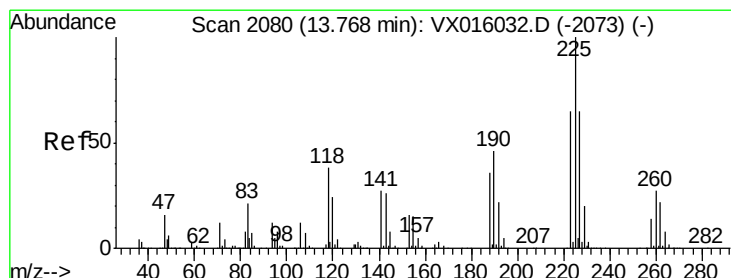
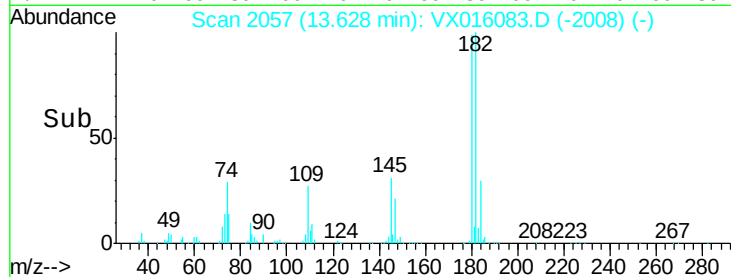
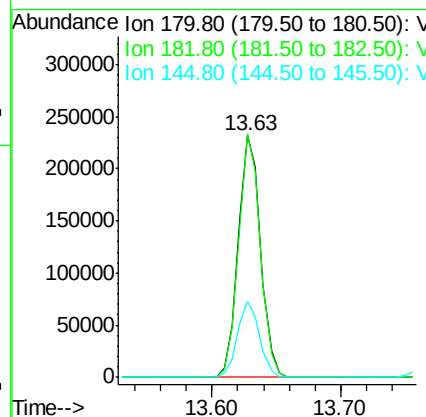
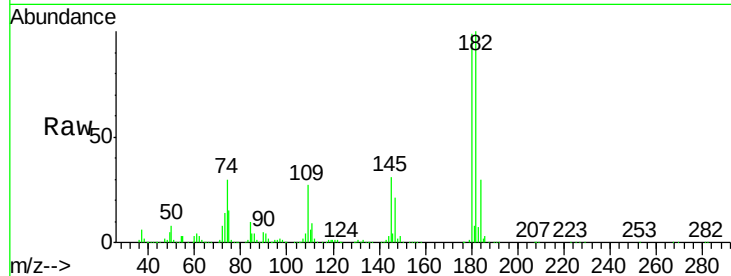
#93
 1,2,4-Trichlorobenzene
 Concen: 46.864 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016083.D
 Acq: 07 May 2020 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	280055		
182	98.0	48.7	146.1	
145	31.1	15.7	47.1	

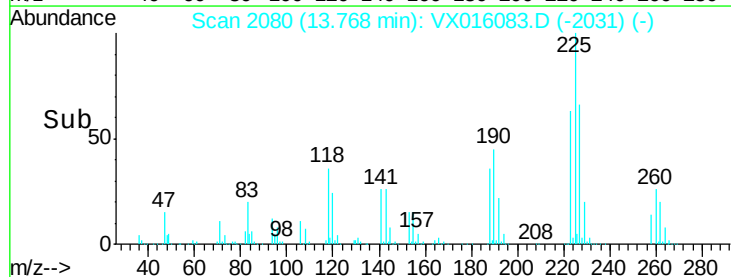
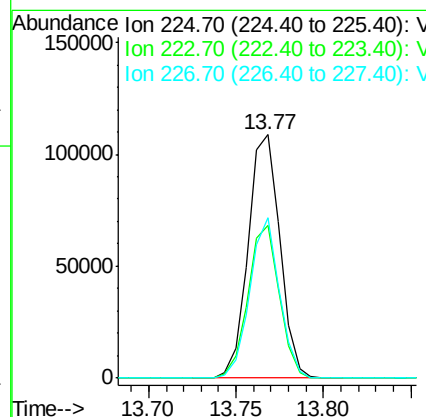
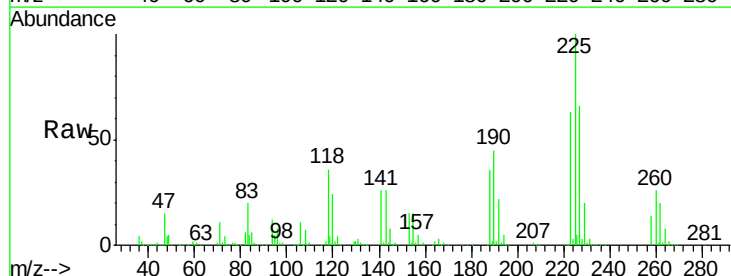
Manual Integrations
 APPROVED

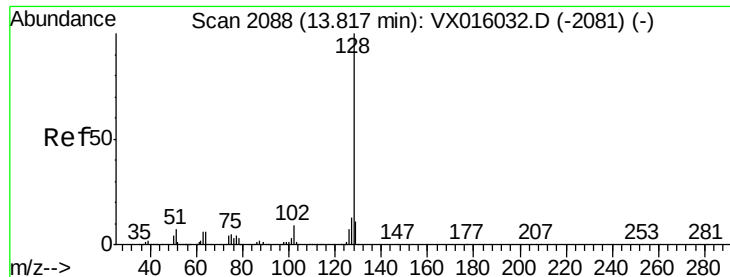
MMDadoda
 5/8/2020 11:53:55 AM



#94
 Hexachlorobutadiene
 Concen: 53.215 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016083.D
 Acq: 07 May 2020 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	137023		
223	61.7	32.3	96.9	
227	61.2	31.8	95.4	





#95

Naphthalene

Concen: 46.590 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Instrument :

MSVOA_X

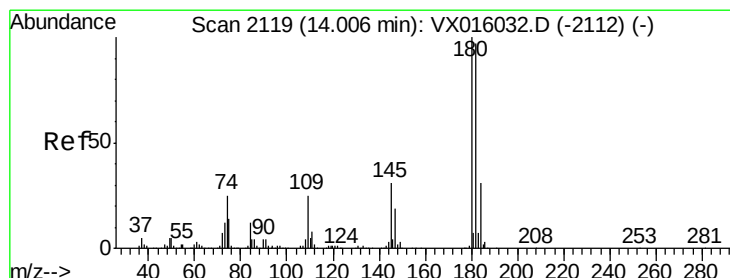
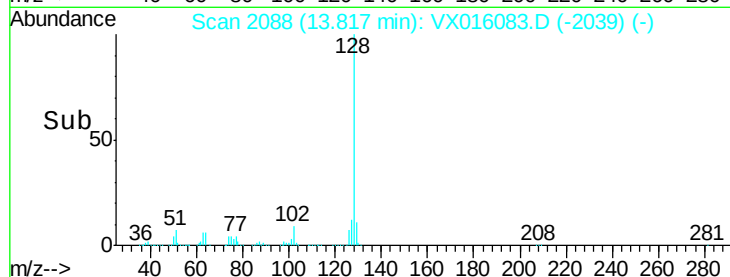
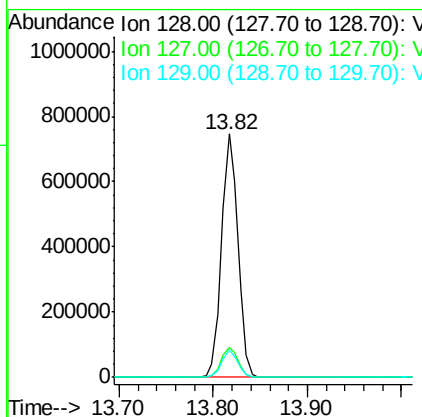
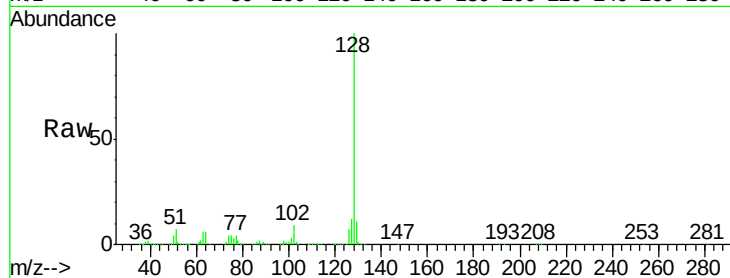
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	901526
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/8/2020 11:53:55 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.368 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016083.D

Acq: 07 May 2020 09:55

Tgt Ion:	180	Resp:	288325
Ion Ratio	Lower	Upper	
180	100		
182	92.4	48.4	145.0
145	31.2	16.4	49.1

