

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061020\
 Data File : VX016664.D
 Acq On : 10 Jun 2020 10:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/11/2020 12:46:06 PM

Quant Time: Jun 11 03:10:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	223382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	324312	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	308750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	159048	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	128880	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	5.46	113	104647	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	8.70	98	390233	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.12	95	152524	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	92839	42.232	ug/l	95
3) Chloromethane	1.31	50	102236	38.484	ug/l	98
4) Vinyl Chloride	1.39	62	115646	41.164	ug/l	99
5) Bromomethane	1.62	94	64039	46.881	ug/l	98
6) Chloroethane	1.70	64	74329	45.355	ug/l	99
7) Trichlorofluoromethane	1.91	101	183637	49.772	ug/l	99
8) Diethyl Ether	2.17	74	72140	46.891	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.36	101	102545	50.499	ug/l	99
10) Methyl Iodide	2.48	142	112540	46.609	ug/l	99
11) Tert butyl alcohol	3.02	59	156307	219.727	ug/l	100
12) 1,1-Dichloroethene	2.35	96	100669	46.836	ug/l	100
13) Acrolein	2.27	56	65306	215.811	ug/l	99
14) Allyl chloride	2.70	41	162945	41.222	ug/l	97
15) Acrylonitrile	3.11	53	322717	221.465	ug/l	100
16) Acetone	2.42	43	267409	220.017	ug/l	100
17) Carbon Disulfide	2.54	76	256197	40.138	ug/l	99
18) Methyl Acetate	2.75	43	146385	46.959	ug/l	94
19) Methyl tert-butyl Ether	3.17	73	374148	48.475	ug/l	97
20) Methylene Chloride	2.83	84	115626	45.982	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	106911	44.968	ug/l	91
22) Diisopropyl ether	3.82	45	325442	42.857	ug/l	93
23) Vinyl Acetate	3.78	43	1436668	216.146	ug/l	95
24) 1,1-Dichloroethane	3.67	63	191317	44.638	ug/l	99
25) 2-Butanone	4.63	43	432937	210.219	ug/l	95
26) 2,2-Dichloropropane	4.54	77	178315	50.844	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	126096	45.846	ug/l	97
28) Bromochloromethane	4.97	49	82330	41.337	ug/l	84
29) Tetrahydrofuran	5.09	42	277444	208.525	ug/l	94
30) Chloroform	5.17	83	207535	48.057	ug/l	100
31) Cyclohexane	5.54	56	153693	39.860	ug/l	93
32) 1,1,1-Trichloroethane	5.46	97	188435	48.196	ug/l	98
36) 1,1-Dichloropropene	5.76	75	146816	47.813	ug/l	97
37) Ethyl Acetate	4.79	43	163399	44.323	ug/l	97
38) Carbon Tetrachloride	5.75	117	171250	53.069	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061020\
 Data File : VX016664.D
 Acq On : 10 Jun 2020 10:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/11/2020 12:46:06 PM

Quant Time: Jun 11 03:10:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	163946	49.156	ug/l	98
40) Benzene	6.11	78	440866	48.213	ug/l	100
41) Methacrylonitrile	5.00	41	88736	43.821	ug/l	95
42) 1,2-Dichloroethane	6.16	62	165415	50.867	ug/l	100
43) Isopropyl Acetate	6.41	43	260798	45.354	ug/l	97
44) Trichloroethene	7.18	130	146793	50.597	ug/l	95
45) 1,2-Dichloropropane	7.49	63	111714	47.989	ug/l	98
46) Dibromomethane	7.63	93	80661	51.587	ug/l	95
47) Bromodichloromethane	7.87	83	171334	52.922	ug/l	100
48) Methyl methacrylate	7.74	41	125674	45.645	ug/l	95
49) 1,4-Dioxane	7.71	88	64696	1004.077	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	838676	234.233	ug/l	98
52) Toluene	8.76	92	290417	50.365	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	195122	53.002	ug/l	100
54) cis-1,3-Dichloropropene	8.41	75	199404	51.173	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	122599	53.475	ug/l	95
56) Ethyl methacrylate	9.16	69	190372	50.985	ug/l	95
57) 1,3-Dichloropropane	9.35	76	202459	51.448	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	477446	244.977	ug/l	95
59) 2-Hexanone	9.47	43	644609	231.506	ug/l	97
60) Dibromochloromethane	9.56	129	145032	56.212	ug/l	99
61) 1,2-Dibromoethane	9.65	107	129449	52.726	ug/l	98
64) Tetrachloroethene	9.32	164	178676	51.726	ug/l	98
65) Chlorobenzene	10.12	112	320328	50.890	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.20	131	129495	53.893	ug/l	98
67) Ethyl Benzene	10.23	91	560990	50.057	ug/l	99
68) m/p-Xylenes	10.34	106	429098	103.267	ug/l	99
69) o-Xylene	10.68	106	205634	51.100	ug/l	98
70) Styrene	10.70	104	366331	52.961	ug/l	99
71) Bromoform	10.84	173	115599	56.926	ug/l #	98
73) Isopropylbenzene	11.00	105	555408	50.399	ug/l	99
74) N-amyl acetate	10.88	43	216596	42.730	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.25	83	142865	51.728	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	173210m	49.546	ug/l	
77) Bromobenzene	11.24	156	146849	50.806	ug/l	95
78) n-propylbenzene	11.34	91	621312	50.464	ug/l	99
79) 2-Chlorotoluene	11.40	91	375373	49.949	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	475645	51.691	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	69491	48.896	ug/l	98
82) 4-Chlorotoluene	11.49	91	444774	50.118	ug/l	99
83) tert-Butylbenzene	11.76	119	408914	52.009	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	474551	50.995	ug/l	100
85) sec-Butylbenzene	11.93	105	511965	51.907	ug/l	100
86) p-Isopropyltoluene	12.05	119	491096	53.154	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	256436	51.210	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	258730	50.519	ug/l	99
89) n-Butylbenzene	12.37	91	412162	53.558	ug/l	99
90) Hexachloroethane	12.58	117	83574	52.369	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	253285	52.208	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	44432	49.668	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061020\
Data File : VX016664.D
Acq On : 10 Jun 2020 10:52
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:46:06 PM

Quant Time: Jun 11 03:10:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	179181	55.611	ug/l	100
94) Hexachlorobutadiene	13.77	225	81309	64.273	ug/l	100
95) Naphthalene	13.82	128	574622	52.022	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	177901	56.358	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 22382

Ion Ratio Lower Upper

168 100

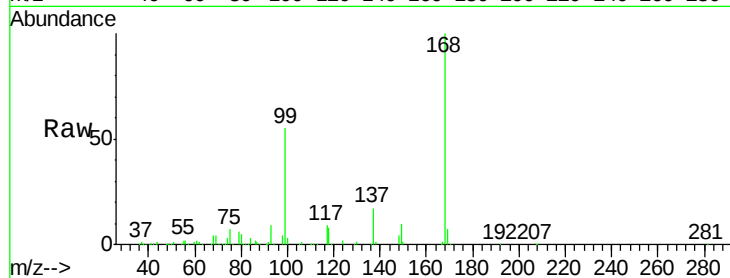
99 54.7 45.2 67.8

Manual Integrations

APPROVED

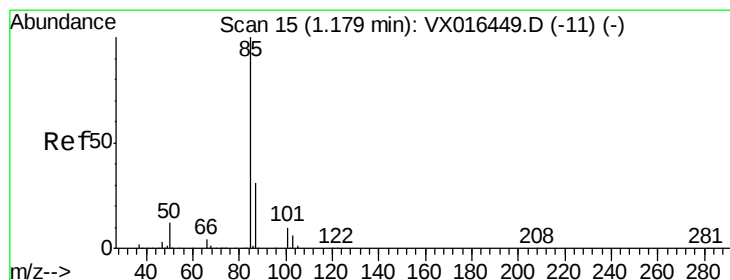
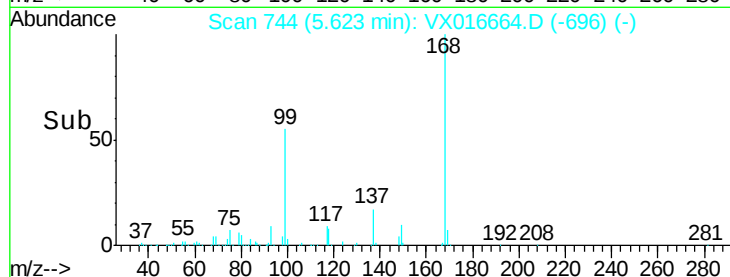
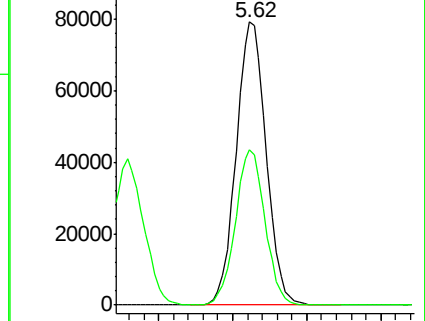
MMDadoda

6/11/2020 12:46:06 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 42.232 ug/l

RT: 1.18 min Scan# 15

Delta R.T. -0.00 min

Lab File: VX016664.D

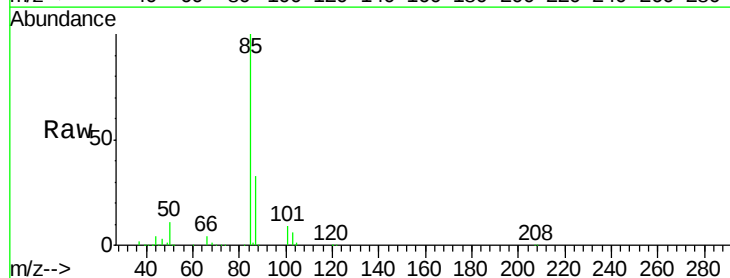
Acq: 10 Jun 2020 10:52

Tgt Ion: 85 Resp: 92839

Ion Ratio Lower Upper

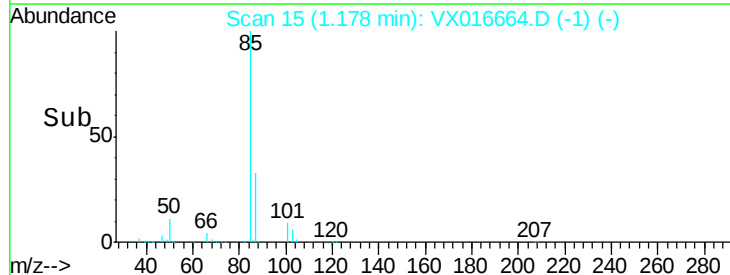
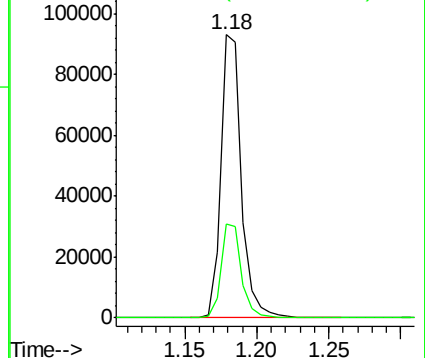
85 100

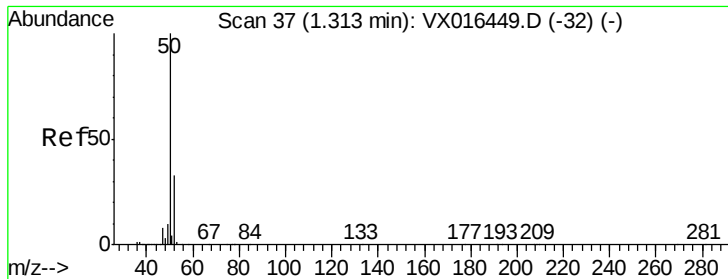
87 33.3 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 38.484 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 102236

Ion Ratio Lower Upper

50 100

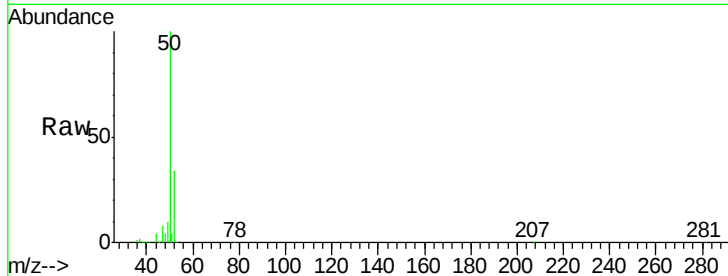
52 34.0 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

6/11/2020 12:46:06 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

120000

100000

80000

60000

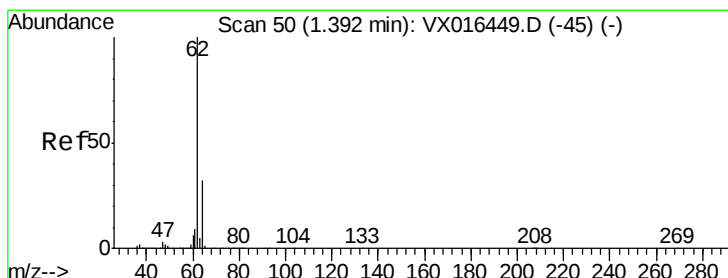
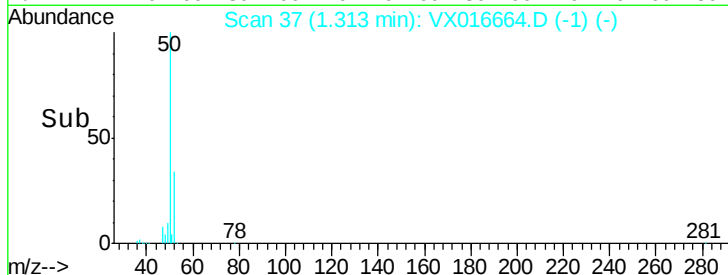
40000

20000

0

1.25 1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 41.164 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016664.D

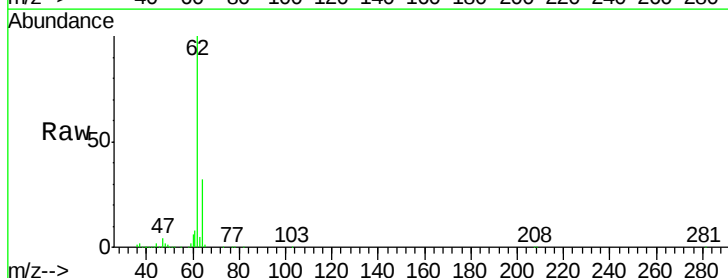
Acq: 10 Jun 2020 10:52

Tgt Ion: 62 Resp: 115646

Ion Ratio Lower Upper

62 100

64 31.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

150000

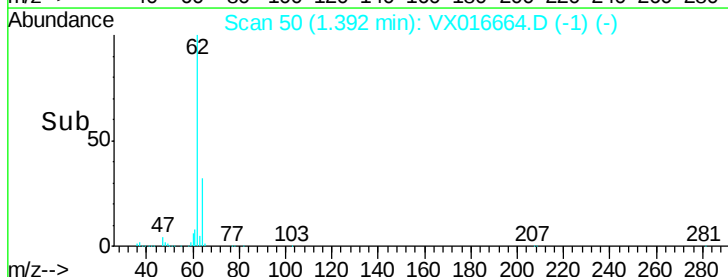
100000

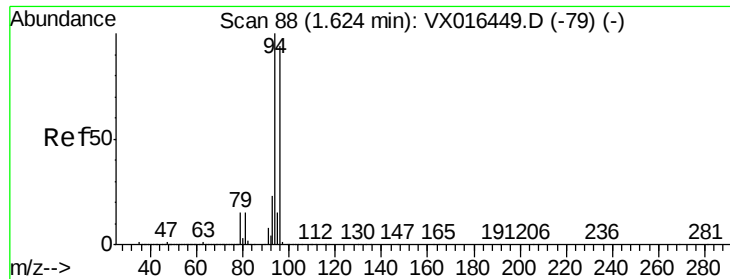
50000

0

1.30 1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 46.881 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 64039

Ion Ratio Lower Upper

94 100

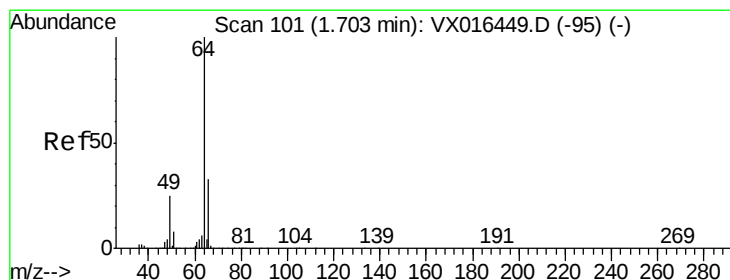
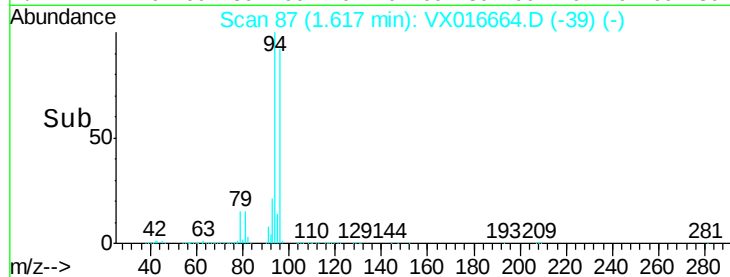
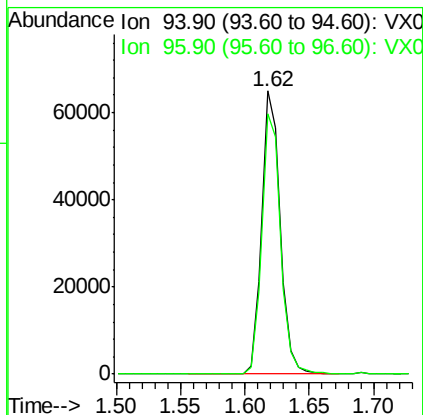
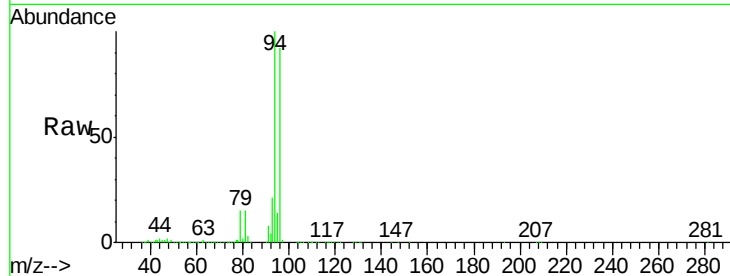
96 91.8 75.1 112.7

Manual Integrations

APPROVED

MMDadoda

6/11/2020 12:46:06 PM



#6

Chloroethane

Concen: 45.355 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016664.D

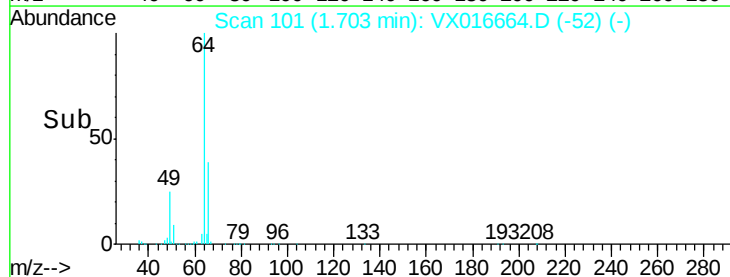
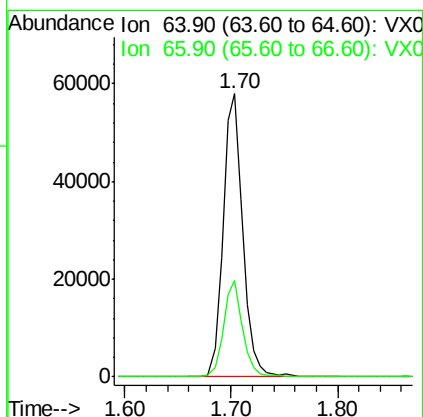
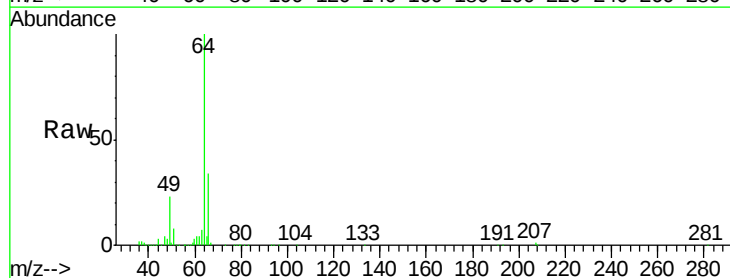
Acq: 10 Jun 2020 10:52

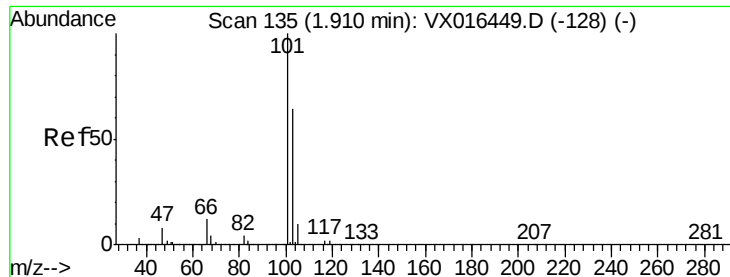
Tgt Ion: 64 Resp: 74329

Ion Ratio Lower Upper

64 100

66 33.9 26.7 40.1





#7

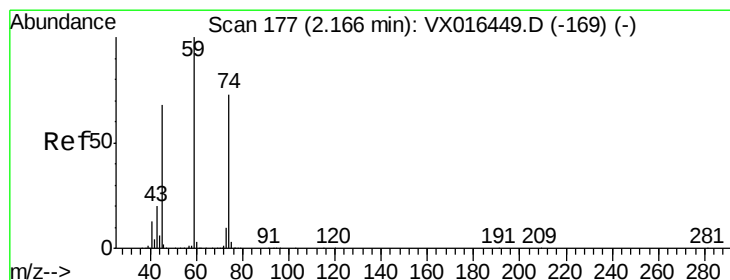
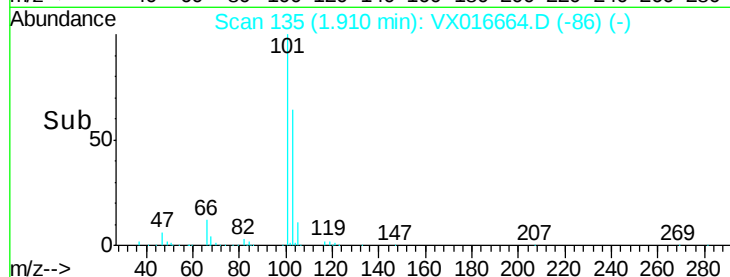
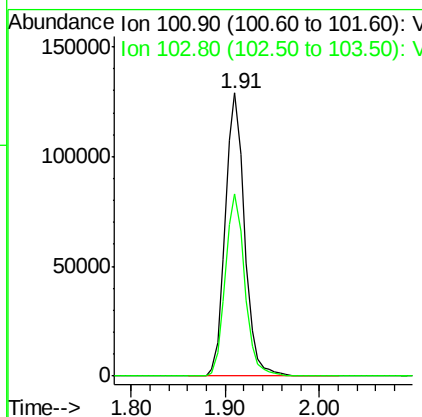
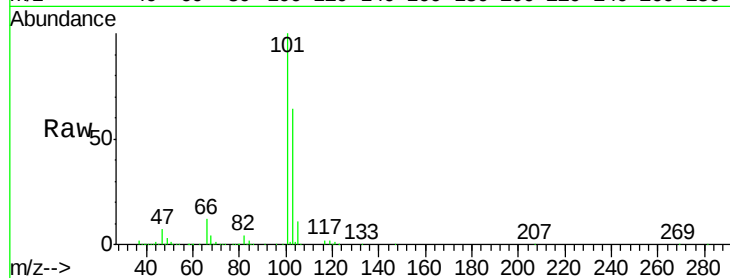
Trichlorofluoromethane
Concen: 49.772 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.9	76.3

Manual Integrations
APPROVED

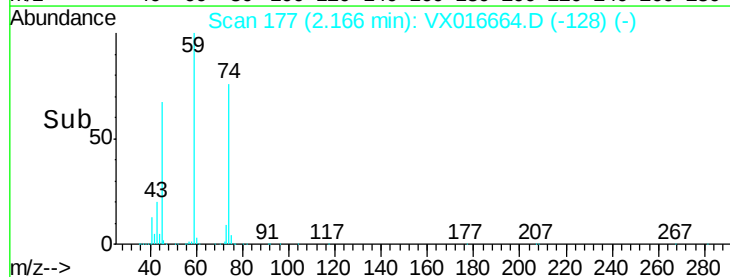
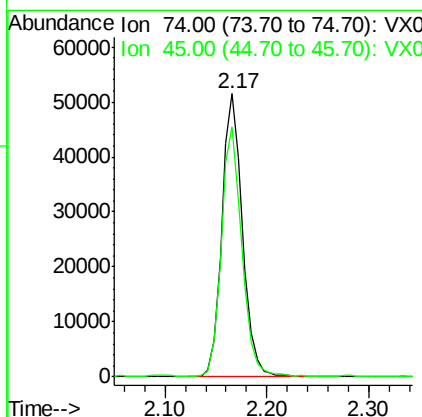
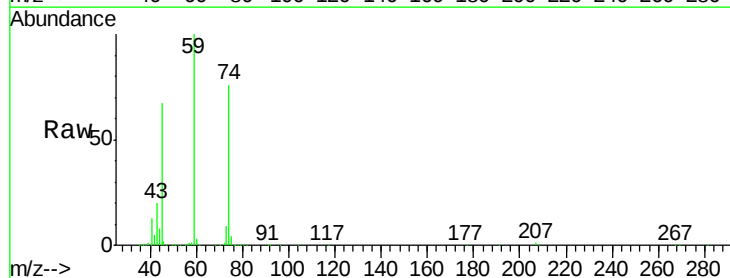
MMDadoda
6/11/2020 12:46:06 PM



#8

Diethyl Ether
Concen: 46.891 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.7	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.499 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Instrument :

MSVOA_X

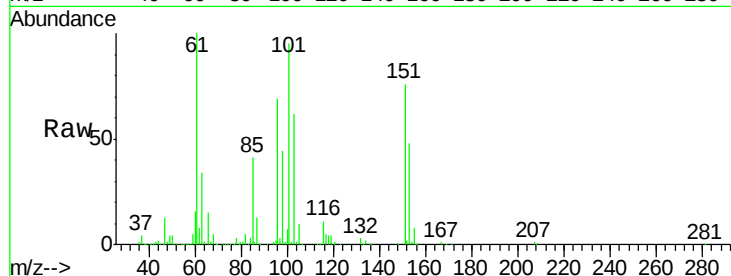
ClientSampleId :

VSTDCCC050

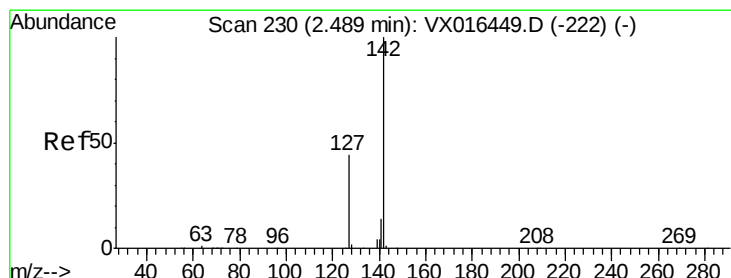
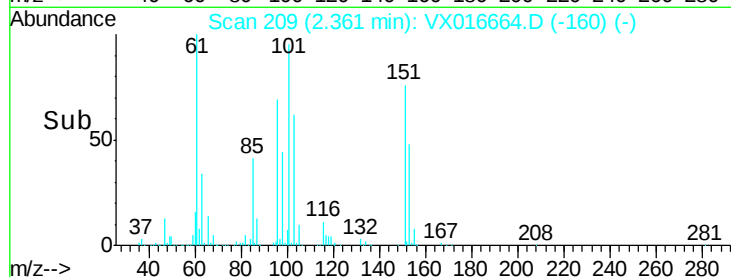
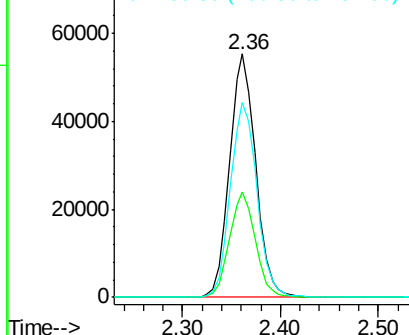
Tot Ion:	101	Resp:	102545
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.4	51.6
151	81.7	63.8	95.6

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:46:06 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.609 ug/l

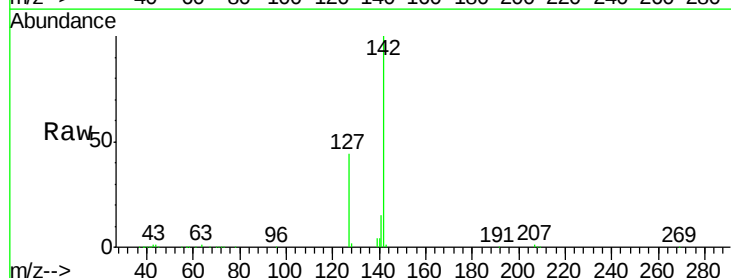
RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

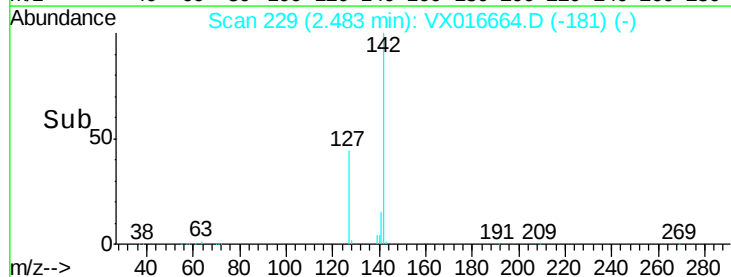
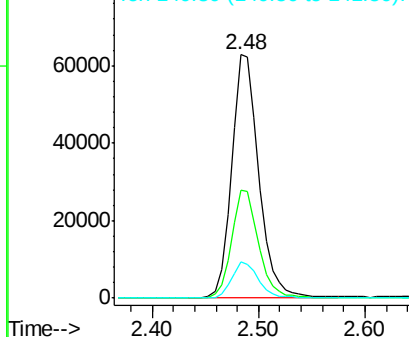
Lab File: VX016664.D

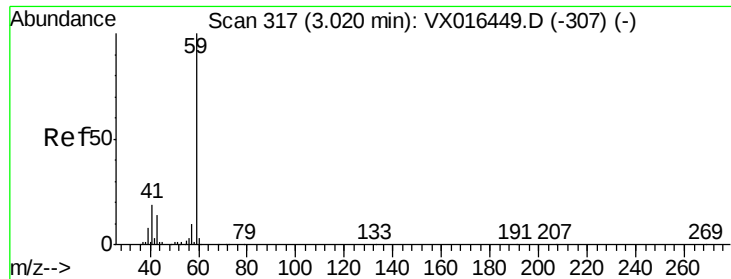
Acq: 10 Jun 2020 10:52

Tgt Ion:	142	Resp:	112540
Ion Ratio	Lower	Upper	
142	100		
127	44.4	35.3	52.9
141	14.7	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

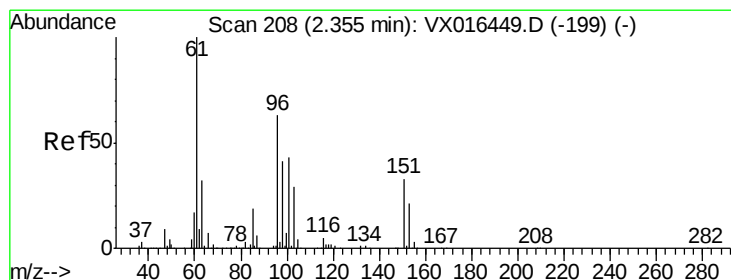
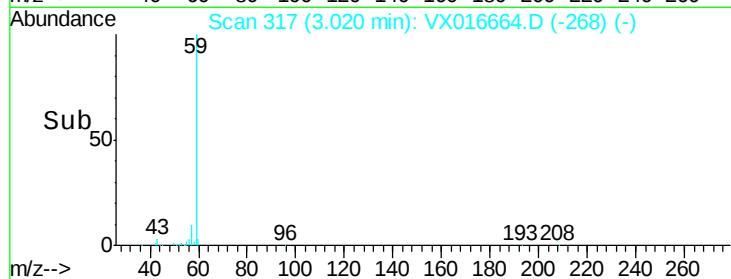
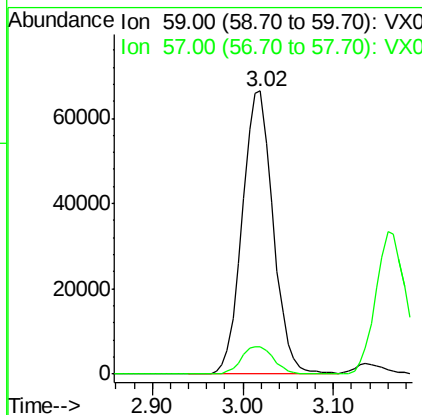
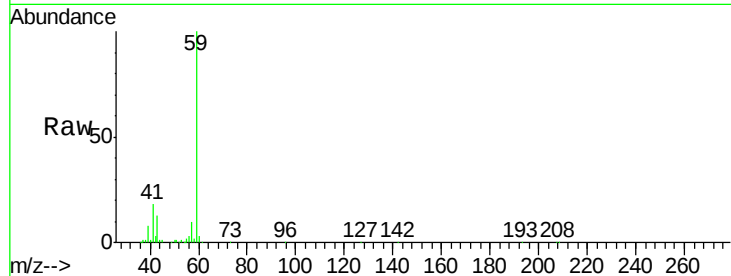
Tert butyl alcohol
Concen: 219.727 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

Manual Integrations
APPROVED

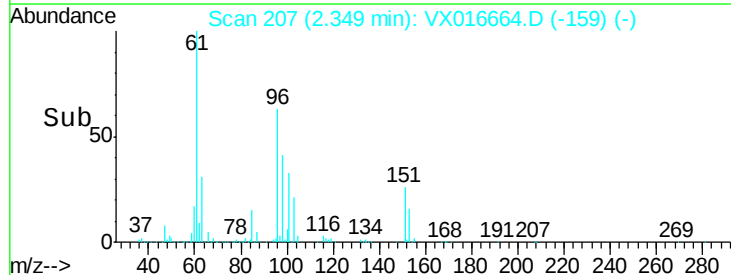
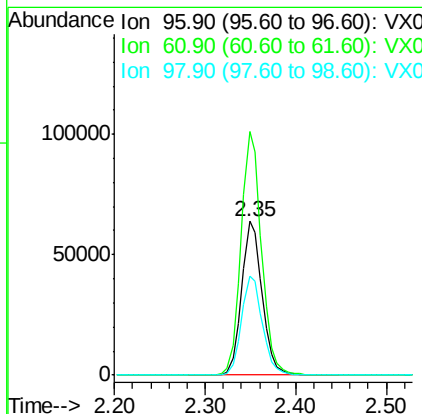
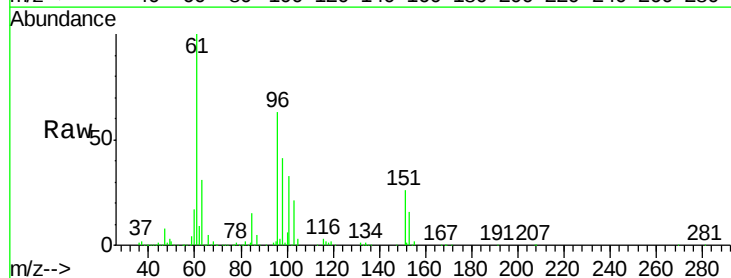
MMDadoda
6/11/2020 12:46:06 PM

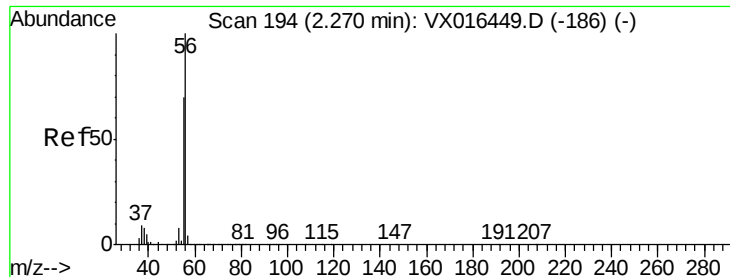


#12

1,1-Dichloroethene
Concen: 46.836 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	126.6	189.8
98	64.2	51.3	76.9





#13

Acrolein

Concen: 215.811 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 65306

Ion Ratio Lower Upper

56 100

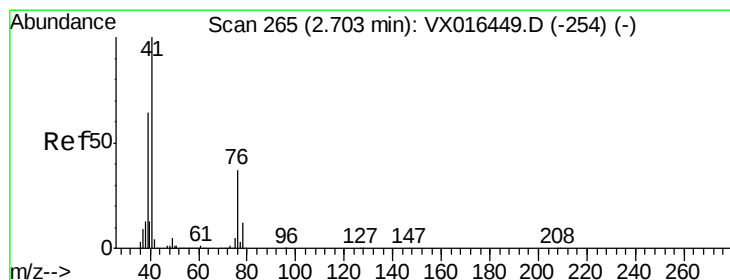
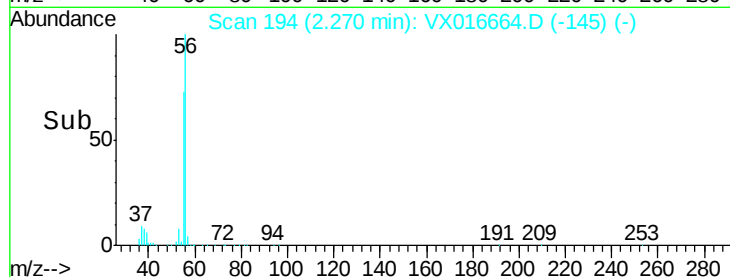
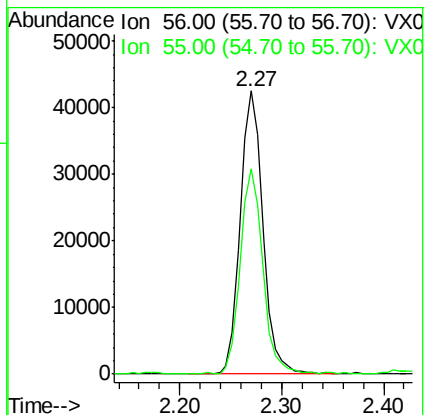
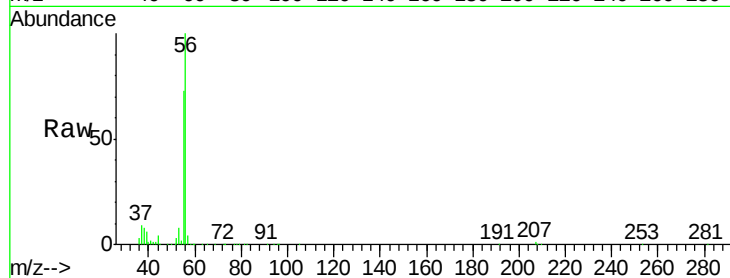
55 72.2 58.3 87.5

Manual Integrations

APPROVED

MMDadoda

6/11/2020 12:46:06 PM



#14

Allyl chloride

Concen: 41.222 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

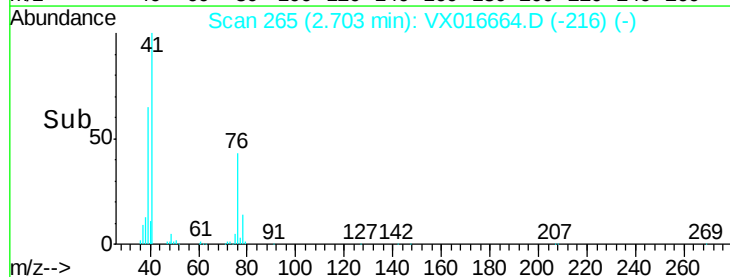
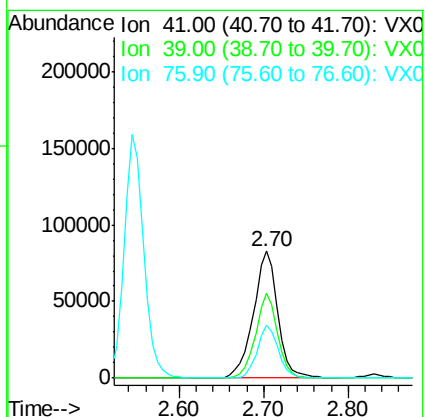
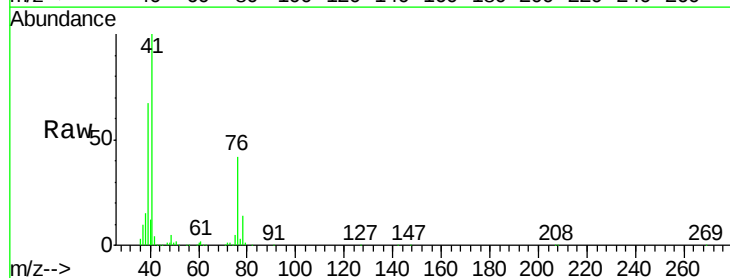
Tgt Ion: 41 Resp: 162945

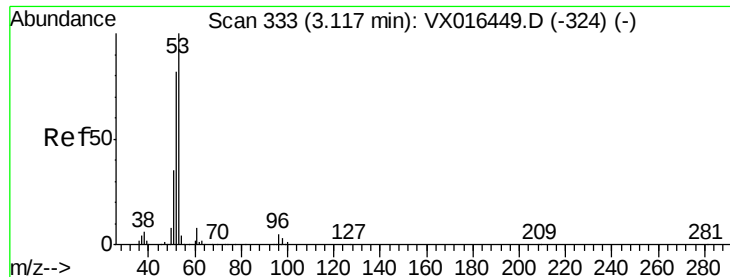
Ion Ratio Lower Upper

41 100

39 60.7 47.7 71.5

76 36.4 26.6 40.0





#15

Acrylonitrile

Concen: 221.465 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Instrument :

MSVOA_X

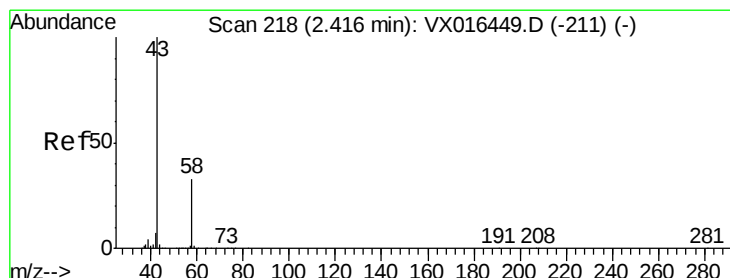
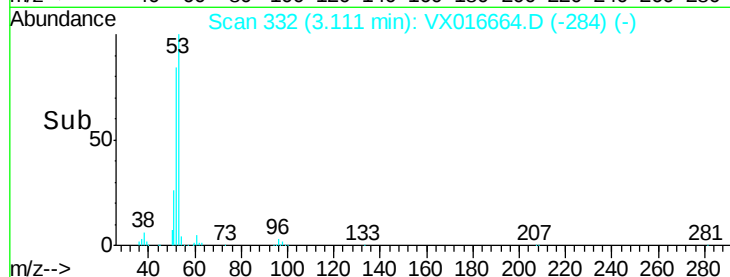
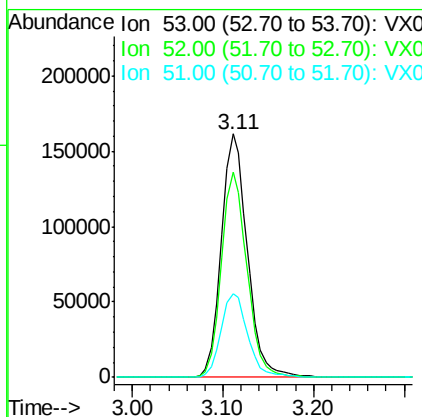
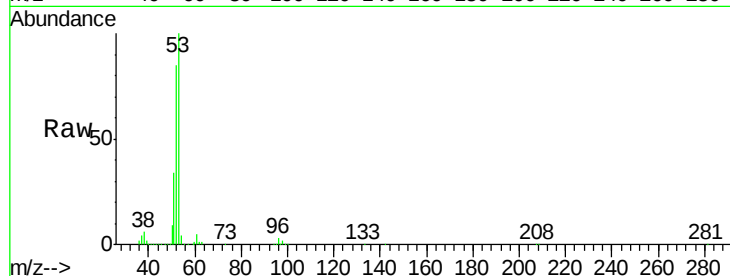
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	322717
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.7	100.1
51	35.6	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:46:06 PM



#16

Acetone

Concen: 220.017 ug/l

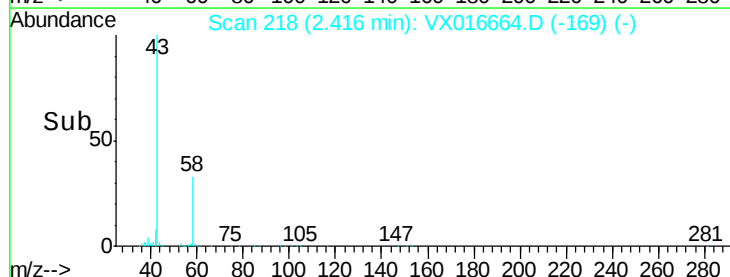
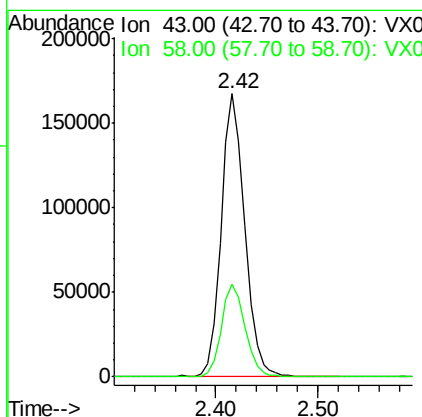
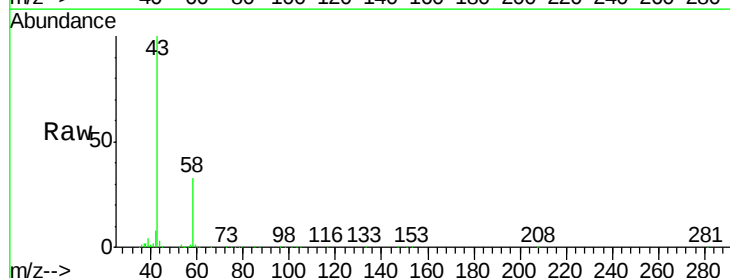
RT: 2.42 min Scan# 218

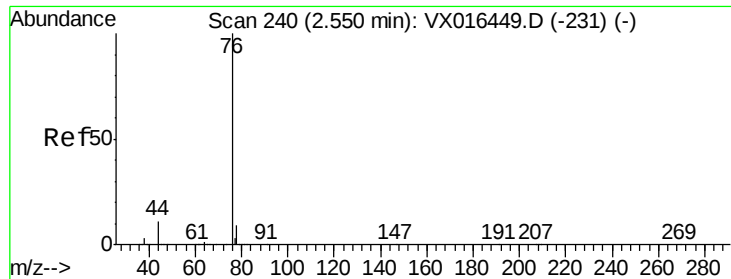
Delta R.T. -0.00 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Tgt Ion:	43	Resp:	267409
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.1	39.1





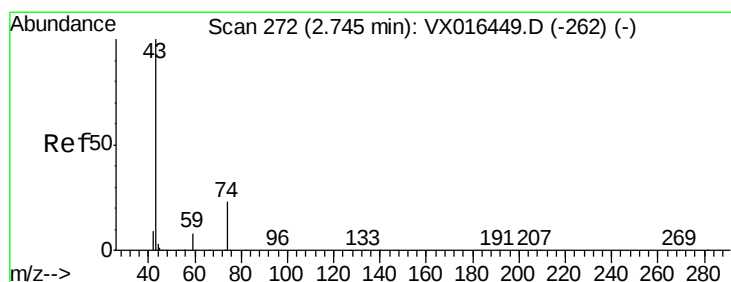
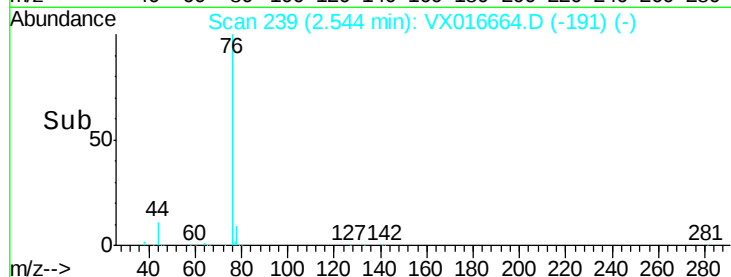
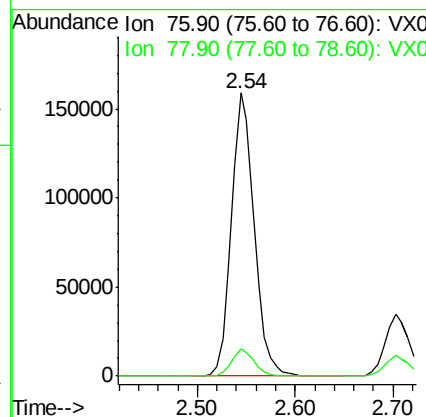
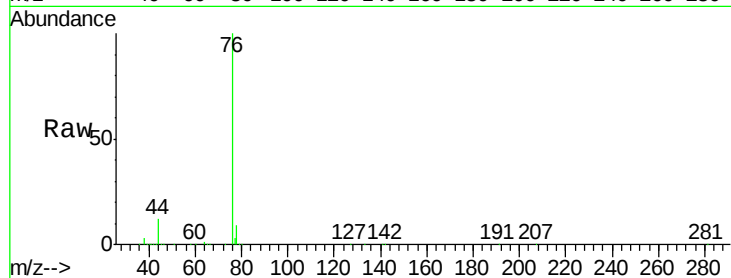
#17
Carbon Disulfide
Concen: 40.138 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

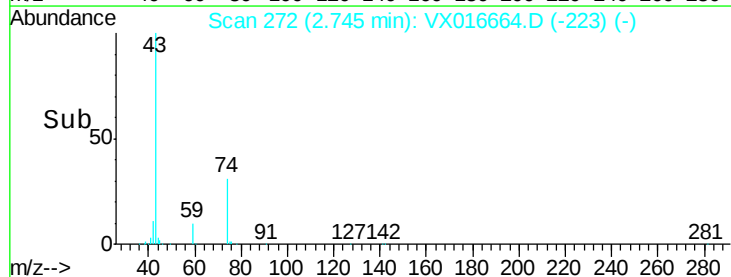
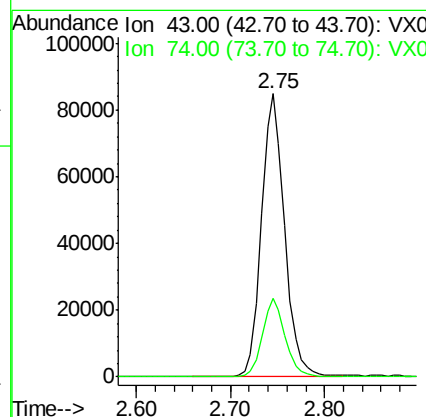
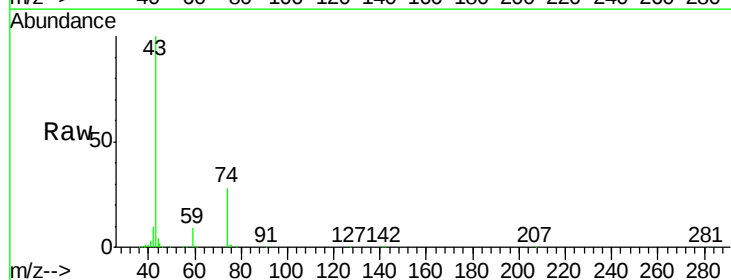
Manual Integrations
APPROVED

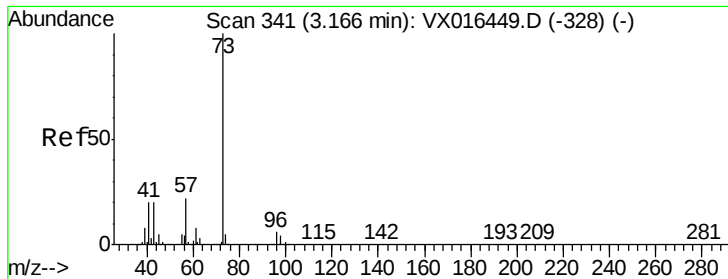
MMDadoda
6/11/2020 12:46:06 PM



#18
Methyl Acetate
Concen: 46.959 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.5	19.7	29.5





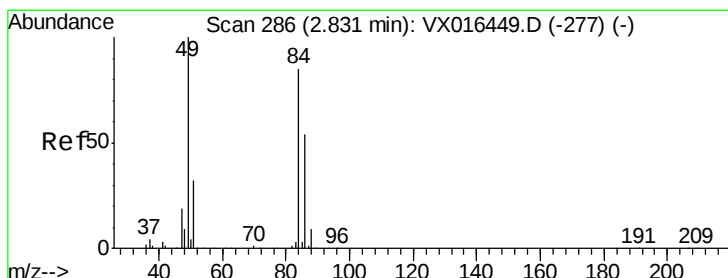
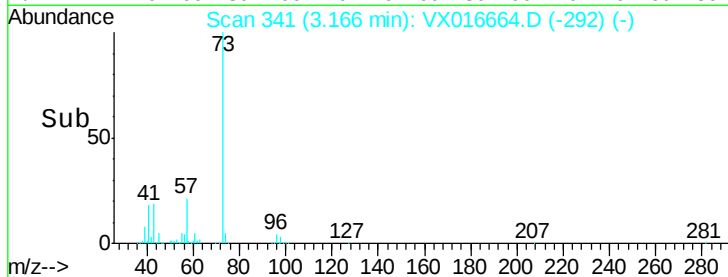
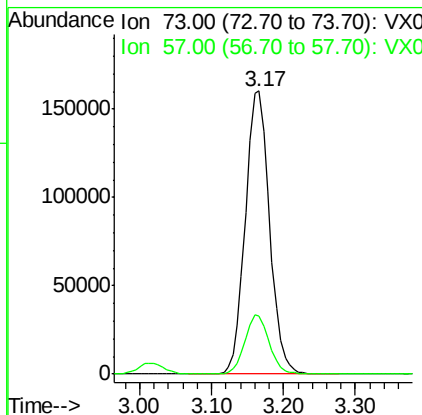
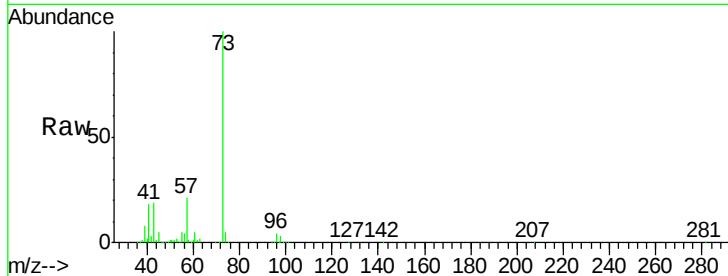
#19
Methyl tert-butyl Ether
Concen: 48.475 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 374148
Ion Ratio Lower Upper
73 100
57 20.6 17.8 26.6

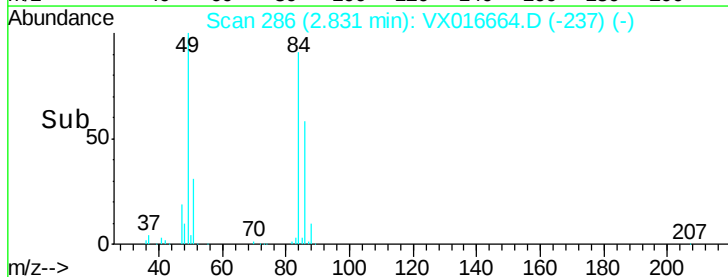
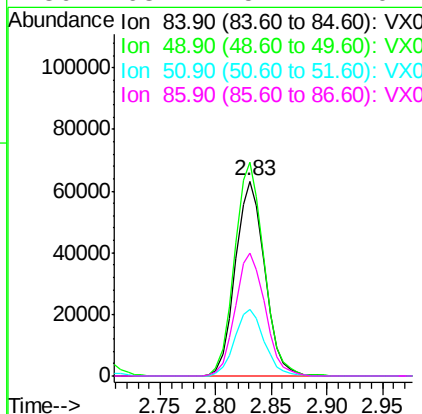
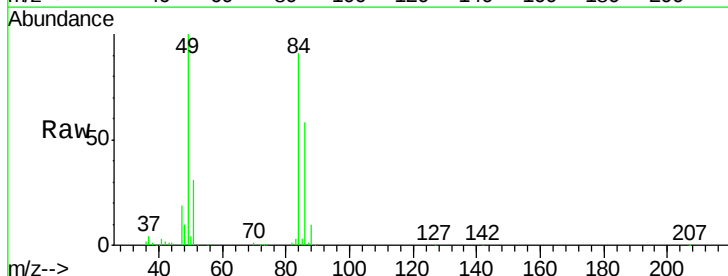
Manual Integrations
APPROVED

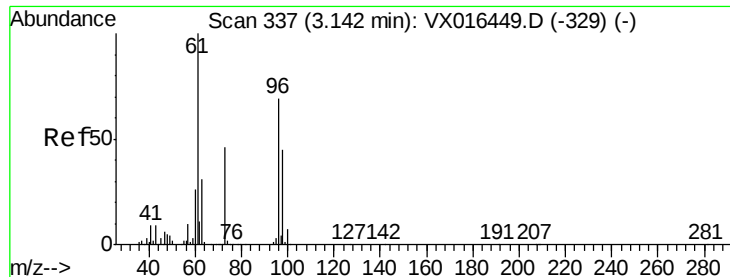
MMDadoda
6/11/2020 12:46:06 PM



#20
Methylene Chloride
Concen: 45.982 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion: 84 Resp: 115626
Ion Ratio Lower Upper
84 100
49 109.6 94.5 141.7
51 34.2 30.2 45.4
86 63.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 44.968 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Instrument :

MSVOA_X

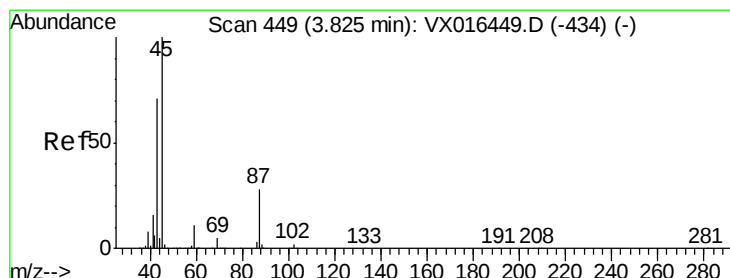
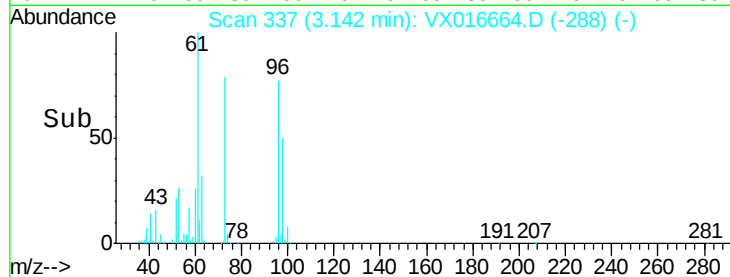
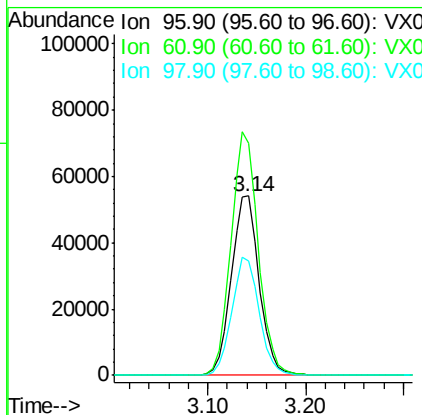
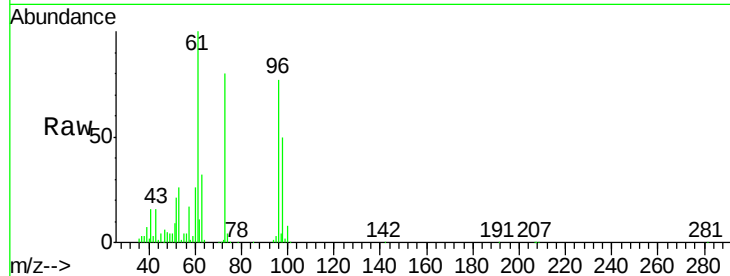
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	106911
Ion Ratio	Lower	Upper	
96	100		
61	129.1	115.3	172.9
98	63.9	51.9	77.9

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:46:06 PM



#22

Diisopropyl ether

Concen: 42.857 ug/l

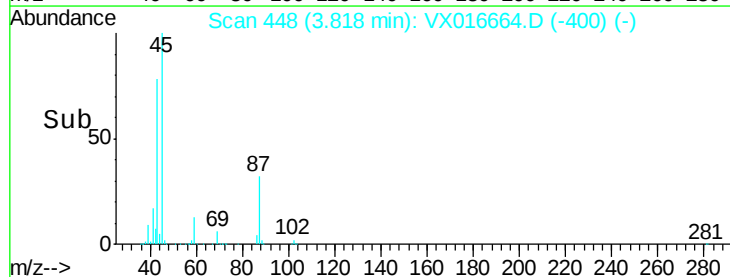
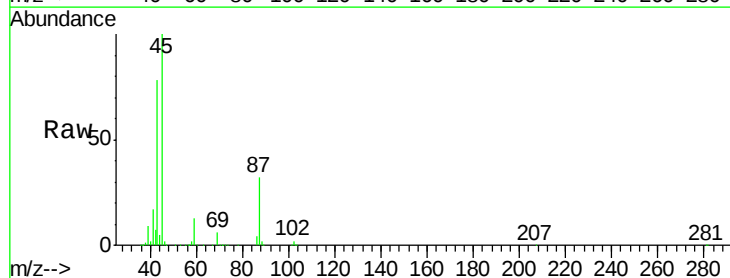
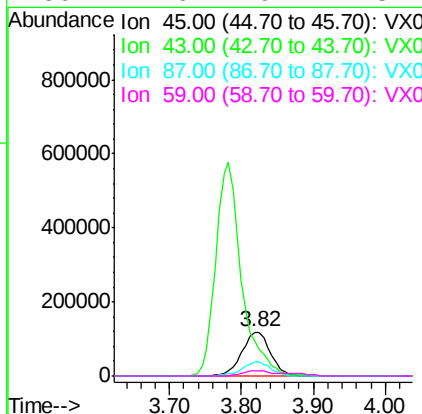
RT: 3.82 min Scan# 448

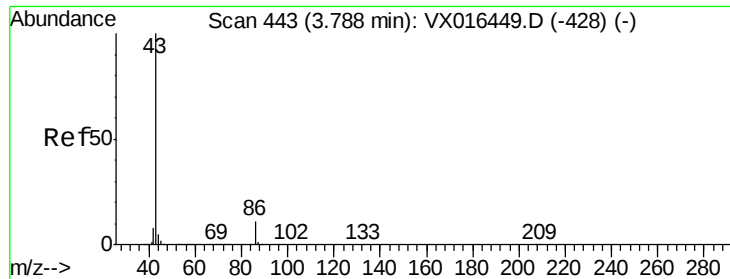
Delta R.T. -0.01 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Tgt Ion:	45	Resp:	325442
Ion Ratio	Lower	Upper	
45	100		
43	77.6	57.0	85.6
87	31.7	22.5	33.7
59	12.6	9.1	13.7





#23

Vinyl Acetate

Concen: 216.146 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1436668

Ion Ratio Lower Upper

43 100

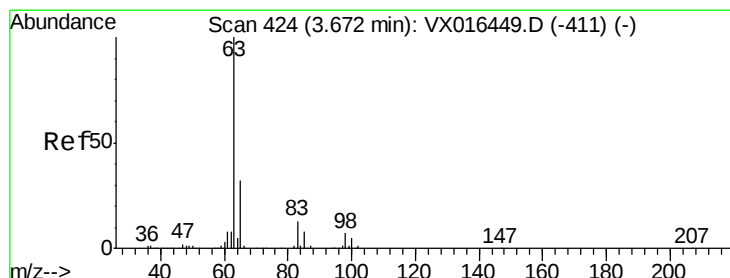
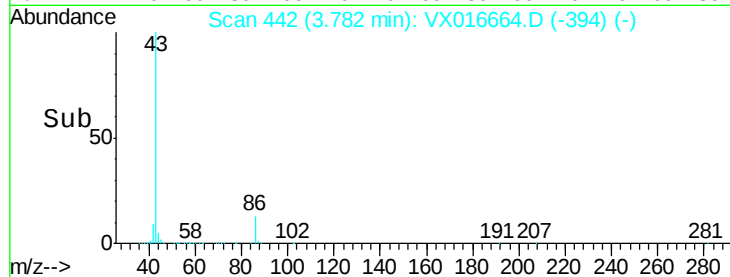
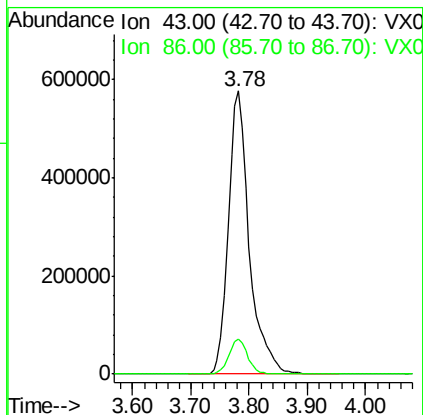
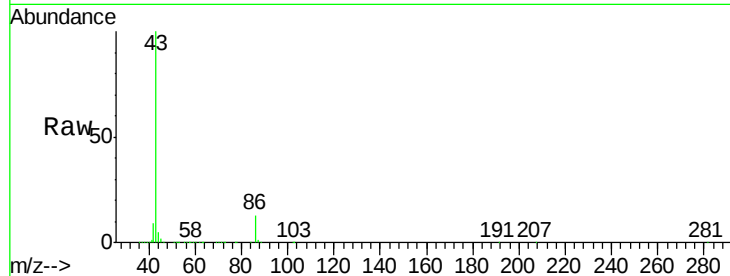
86 12.6 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

6/11/2020 12:46:06 PM



#24

1,1-Dichloroethane

Concen: 44.638 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

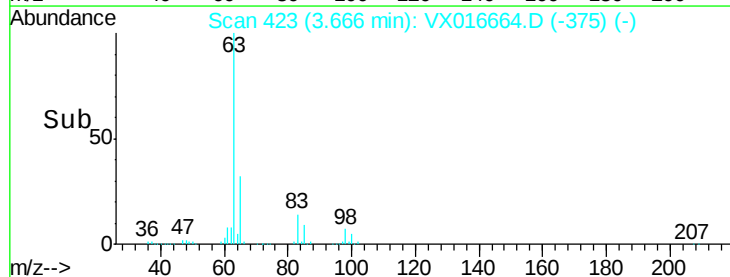
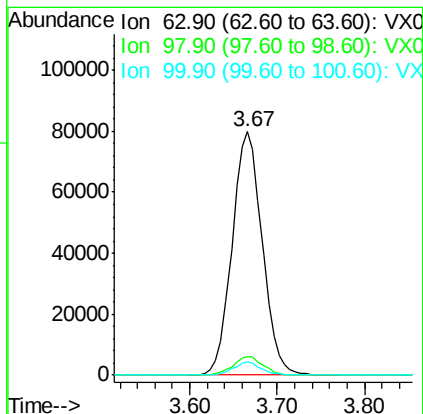
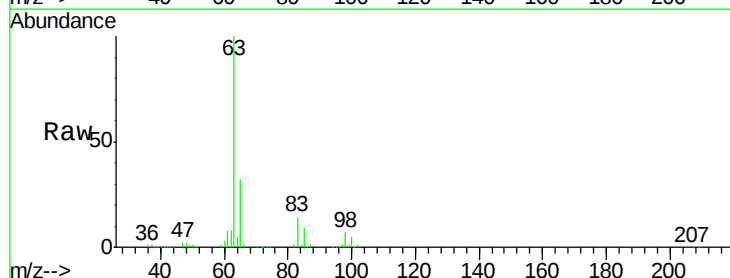
Tgt Ion: 63 Resp: 191317

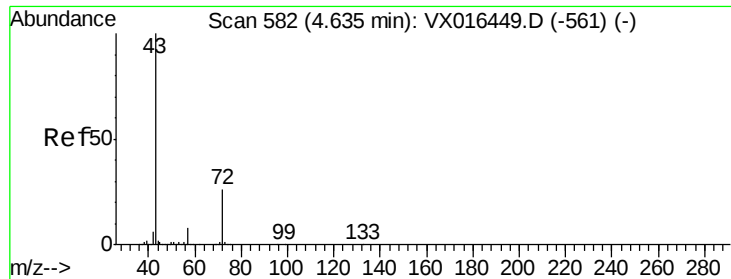
Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.9

100 5.4 2.4 7.1





#25

2-Butanone

Concen: 210.219 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 432937

Ion Ratio Lower Upper

43 100

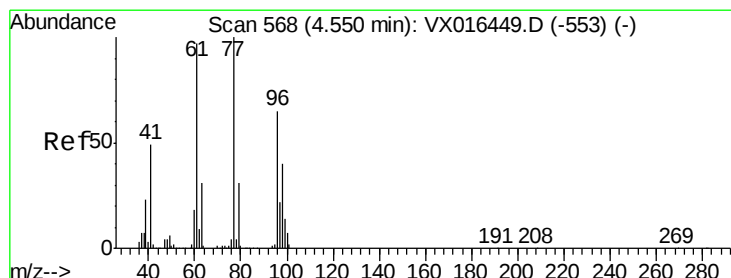
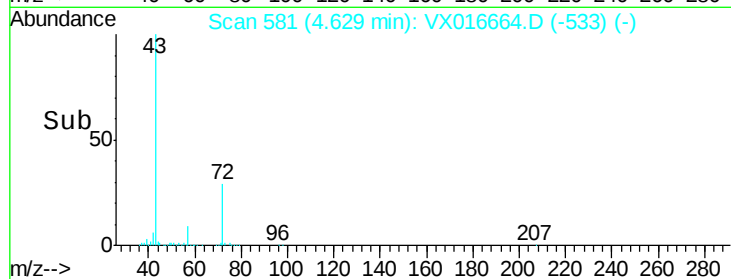
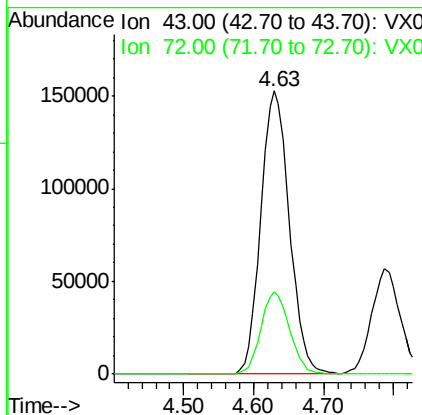
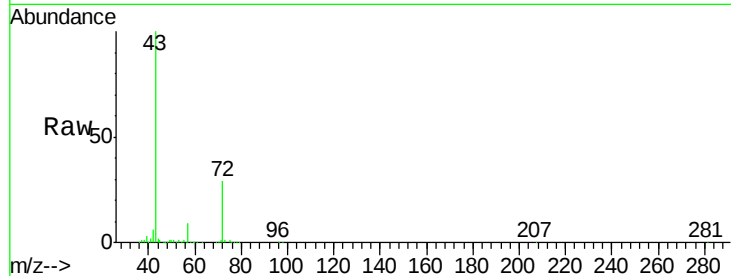
72 29.1 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

6/11/2020 12:46:06 PM



#26

2,2-Dichloropropane

Concen: 50.844 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX016664.D

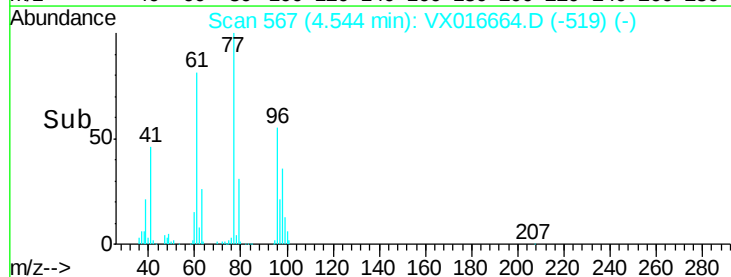
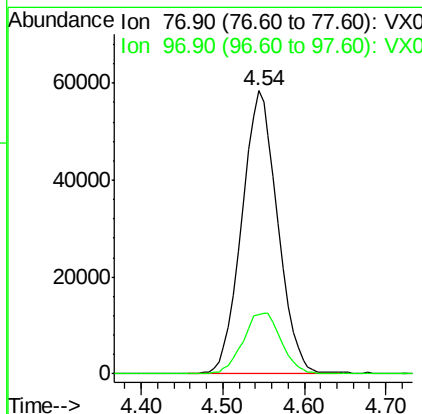
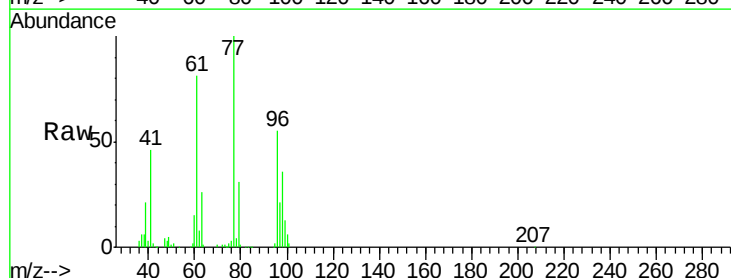
Acq: 10 Jun 2020 10:52

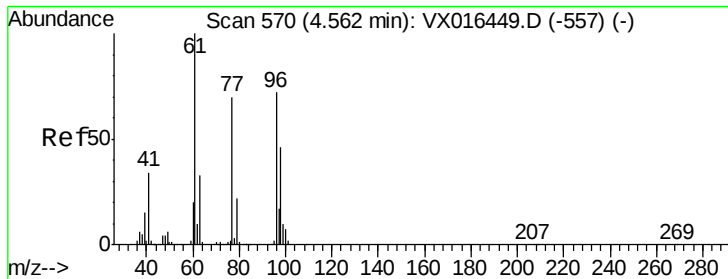
Tgt Ion: 77 Resp: 178315

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.4





#27

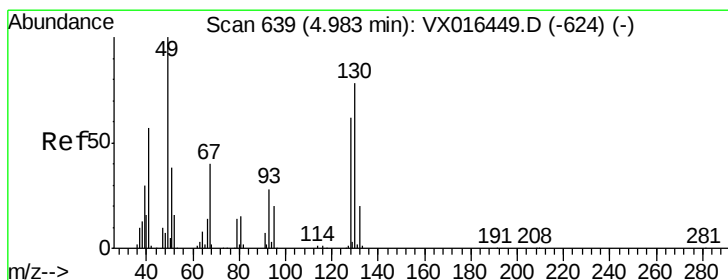
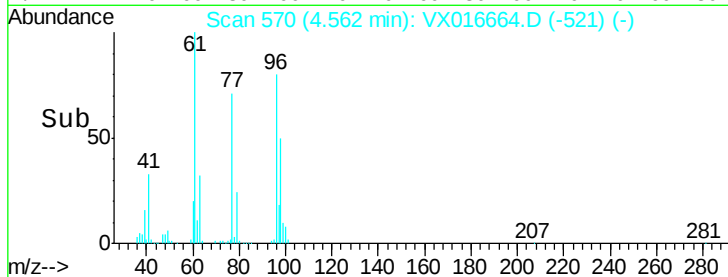
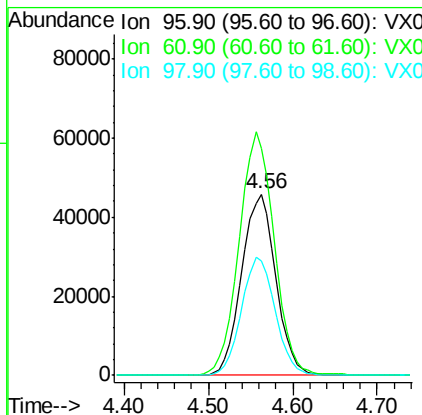
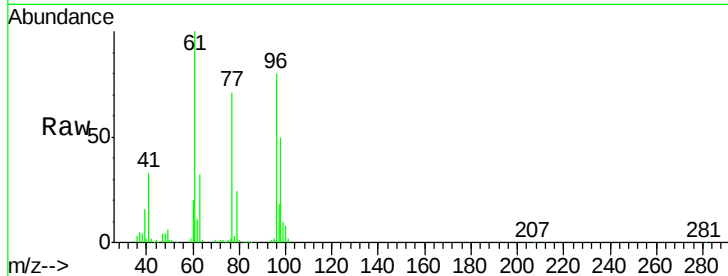
cis-1,2-Dichloroethene
Concen: 45.846 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	126096		
61	137.9	0.0	284.6	
98	64.3	0.0	127.2	

Manual Integrations
APPROVED

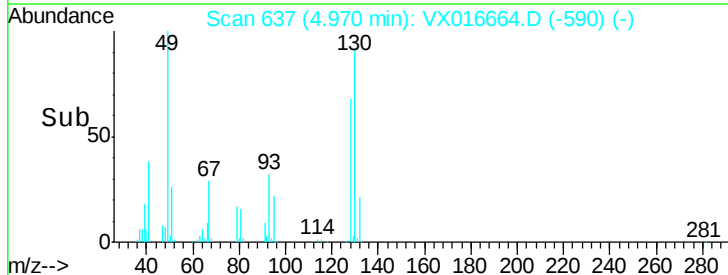
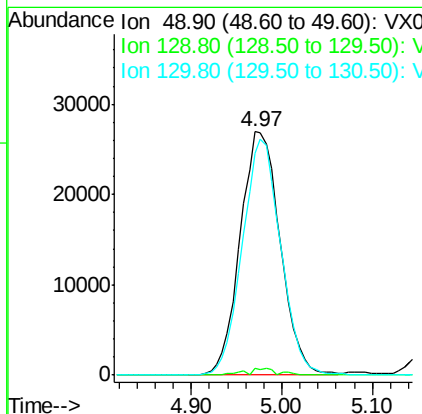
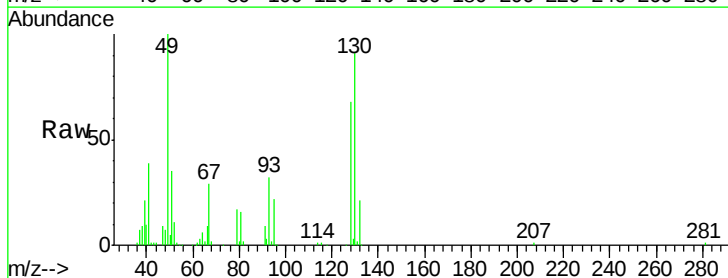
MMDadoda
6/11/2020 12:46:06 PM

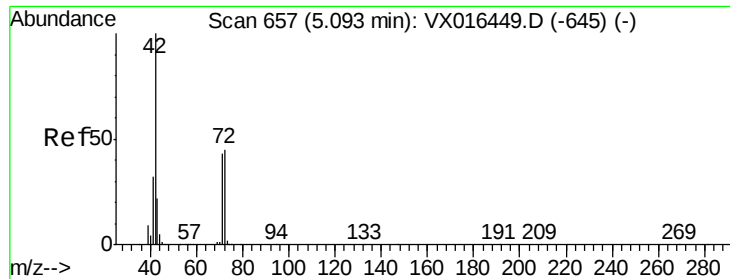


#28

Bromochloromethane
Concen: 41.337 ug/l
RT: 4.97 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	82330		
129	1.8	0.0	4.0	
130	92.9	63.0	94.4	





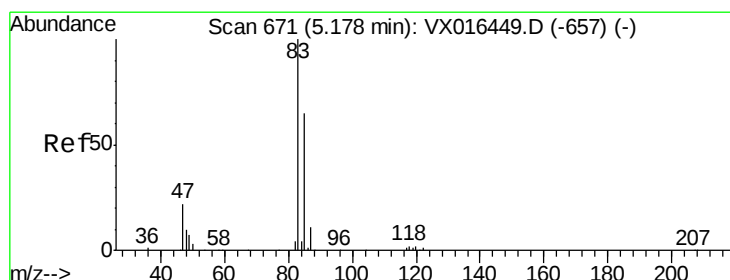
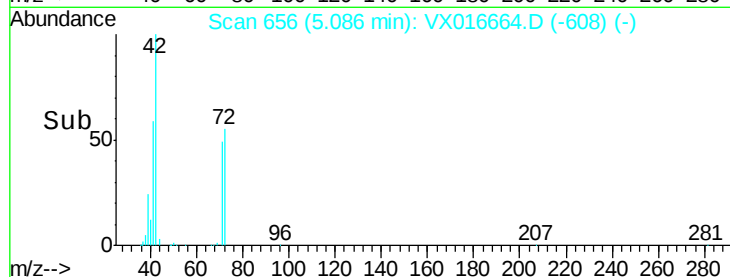
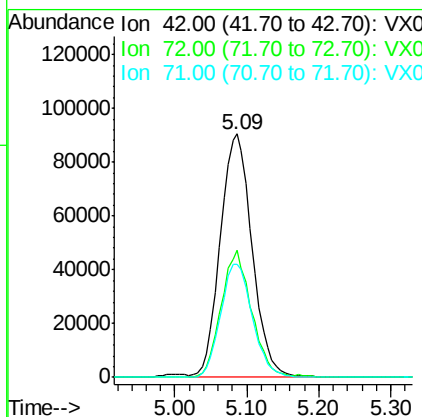
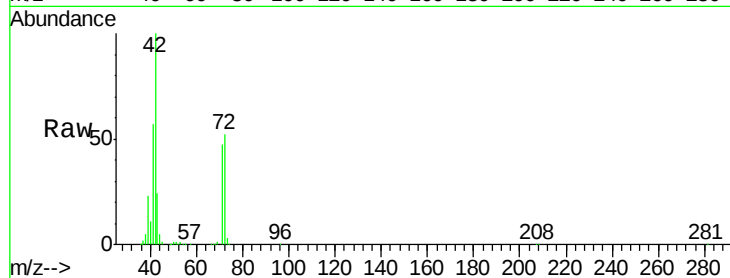
#29
Tetrahydrofuran
Concen: 208.525 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.4	37.0	55.4
71	46.7	34.1	51.1

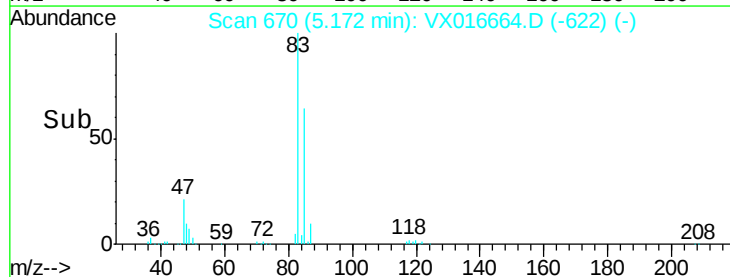
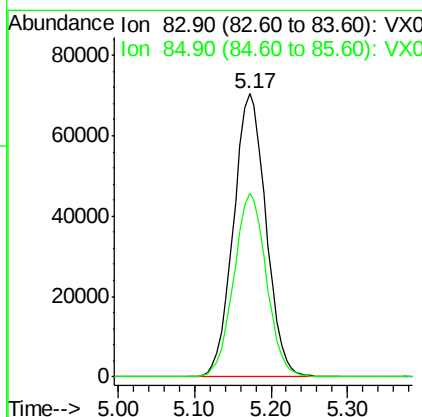
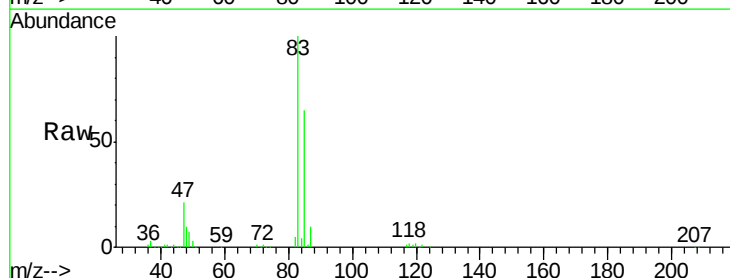
Manual Integrations
APPROVED

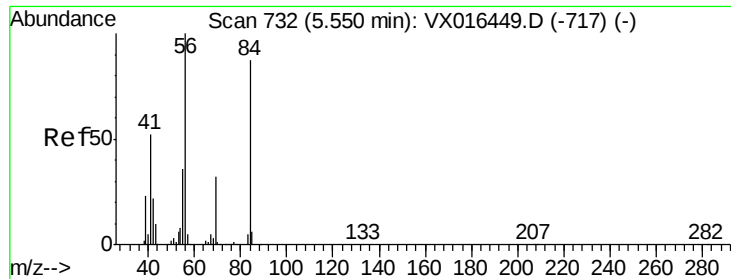
MMDadoda
6/11/2020 12:46:06 PM



#30
Chloroform
Concen: 48.057 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.0	78.0





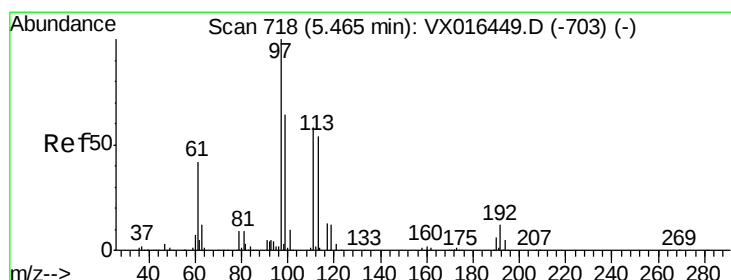
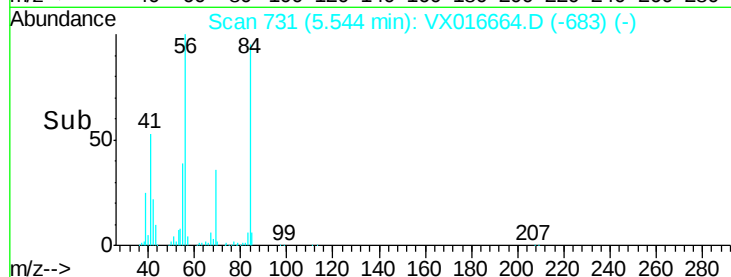
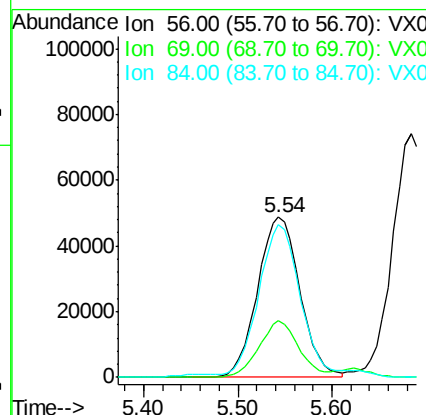
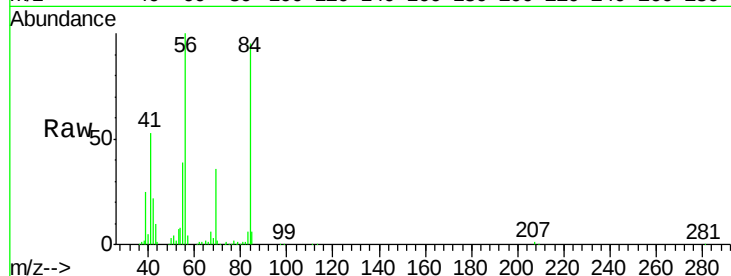
#31
Cyclohexane
Concen: 39.860 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	35.6	25.7	38.5	
84	93.6	70.0	105.0	

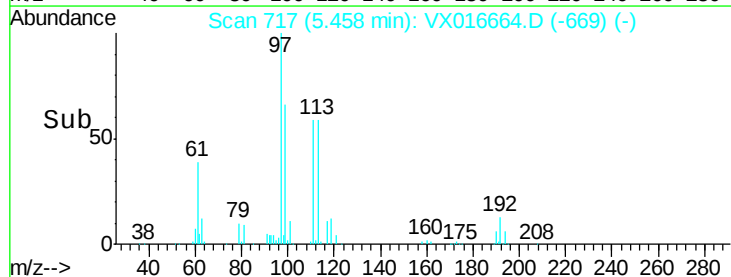
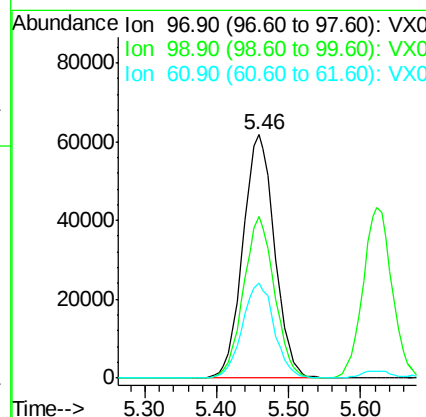
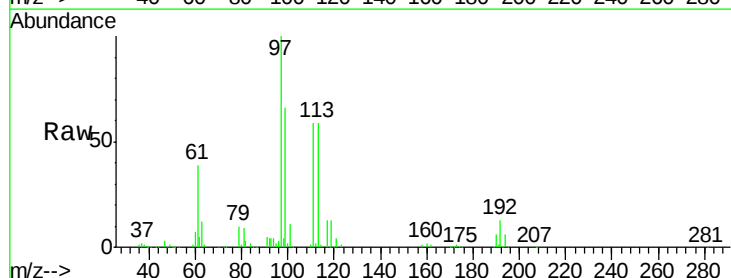
Manual Integrations
APPROVED

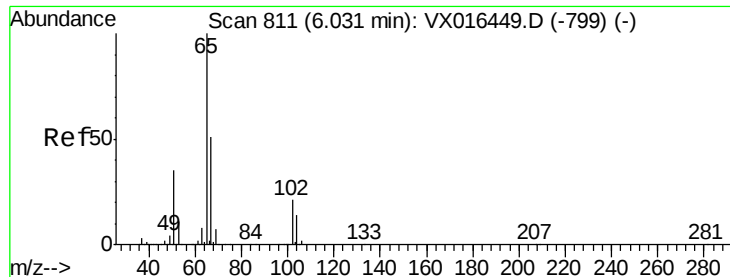
MMDadoda
6/11/2020 12:46:06 PM



#32
1,1,1-Trichloroethane
Concen: 48.196 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.8	51.4	77.2	
61	39.3	33.5	50.3	





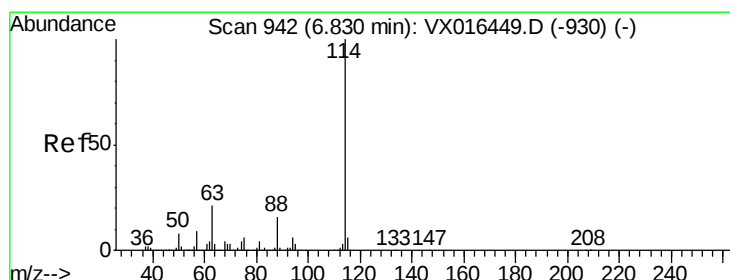
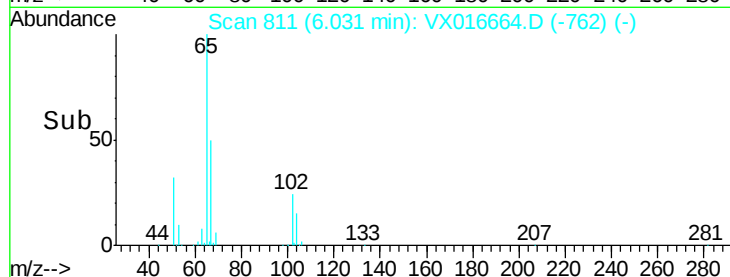
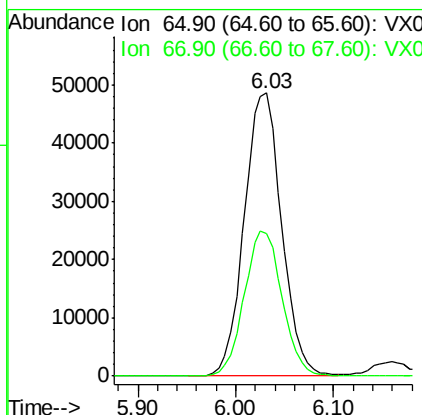
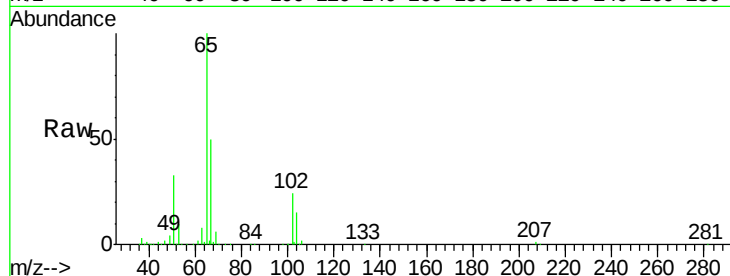
#33
 1,2-Dichloroethane-d4
 Concen: 46.458 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	104.8	

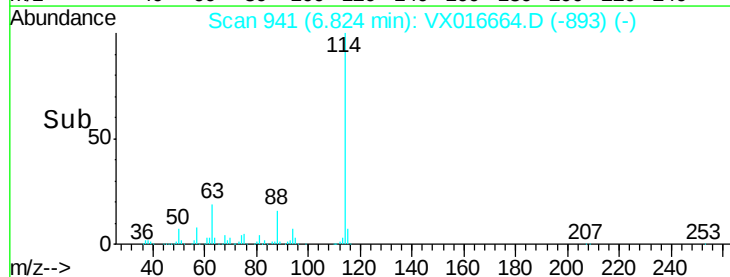
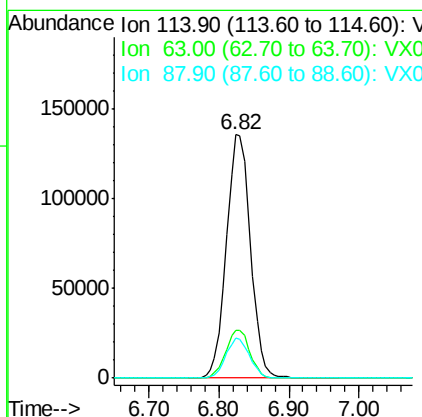
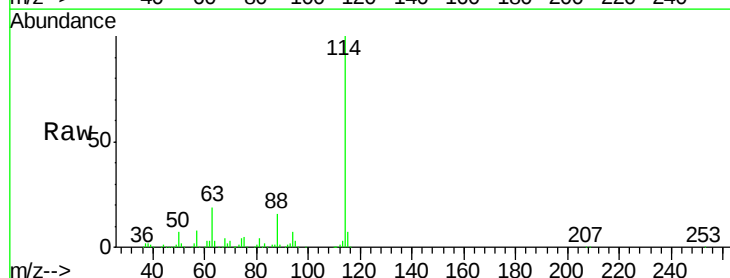
Manual Integrations
 APPROVED

MMDadoda
 6/11/2020 12:46:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	42.6	
88	16.4	0.0	32.8	





#35

Dibromofluoromethane

Concen: 52.404 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Instrument :

MSVOA_X

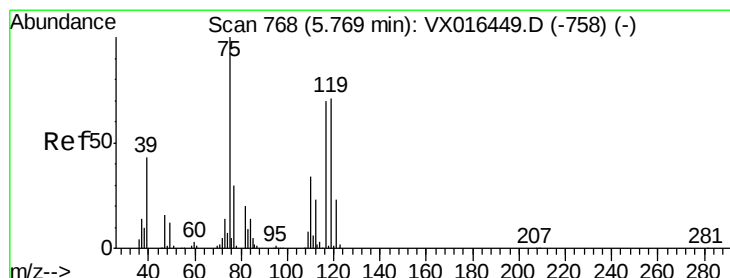
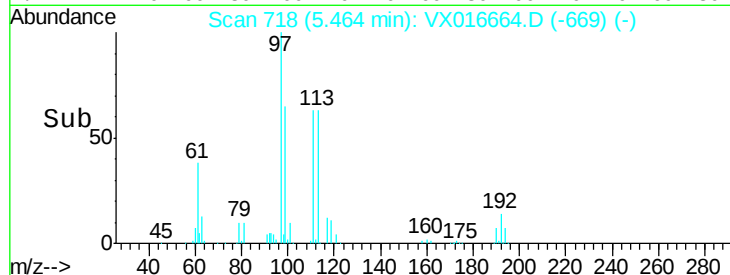
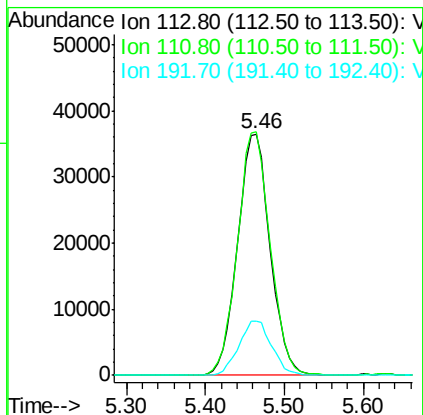
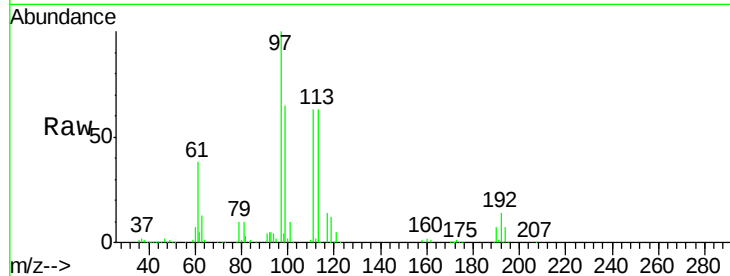
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	104647
Ion Ratio	Lower	Upper	
113	100		
111	101.6	83.0	124.6
192	22.8	17.7	26.5

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:46:06 PM



#36

1,1-Dichloropropene

Concen: 47.813 ug/l

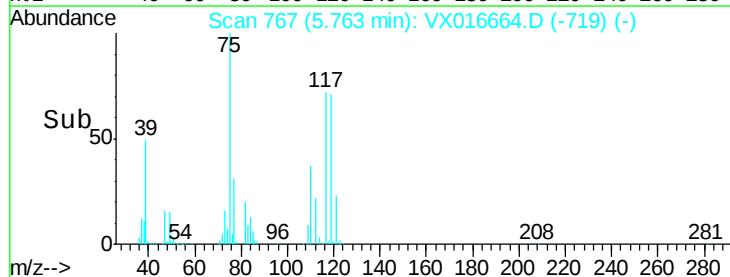
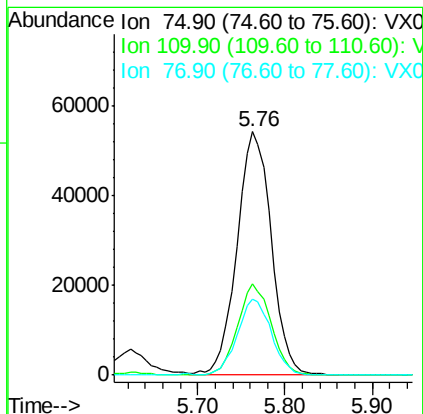
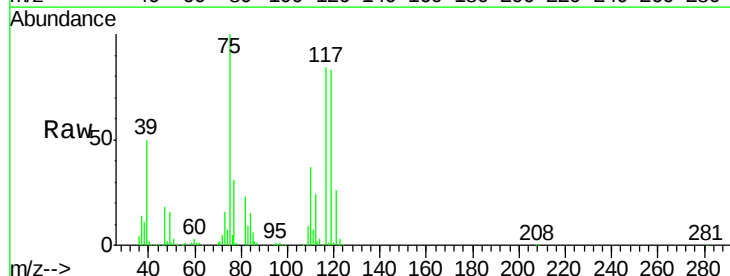
RT: 5.76 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Tgt Ion:	75	Resp:	146816
Ion Ratio	Lower	Upper	
75	100		
110	37.1	17.4	52.3
77	31.1	24.2	36.4





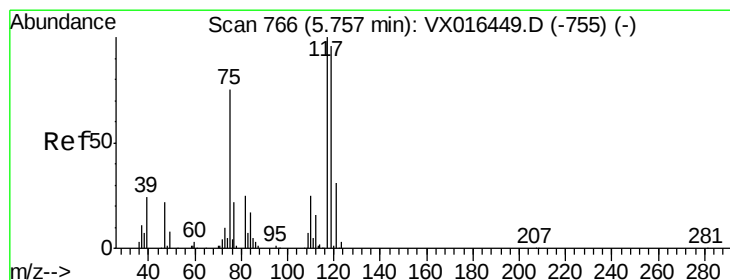
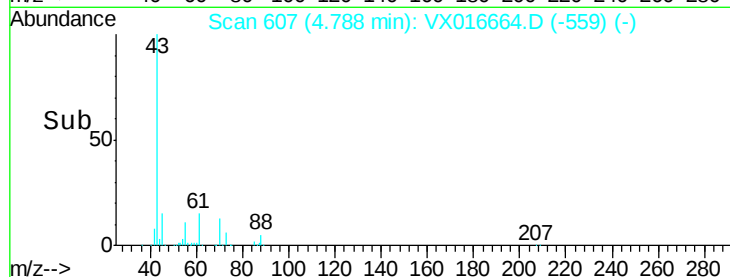
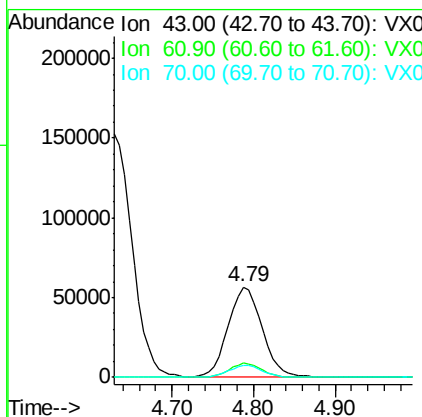
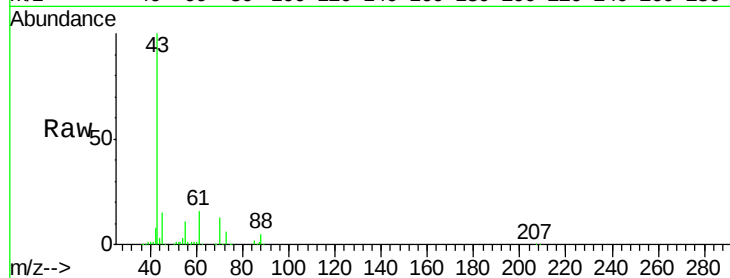
#37
Ethyl Acetate
Concen: 44.323 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.3	16.9
70	13.0	9.3	13.9

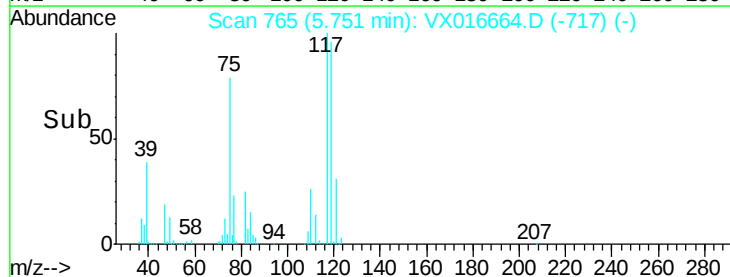
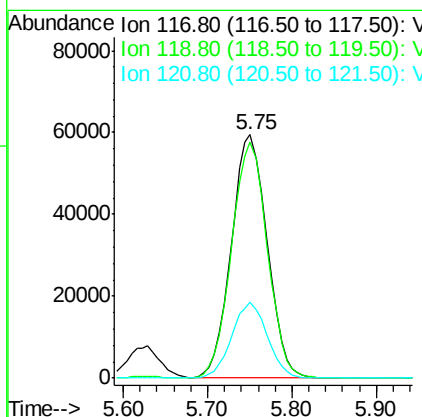
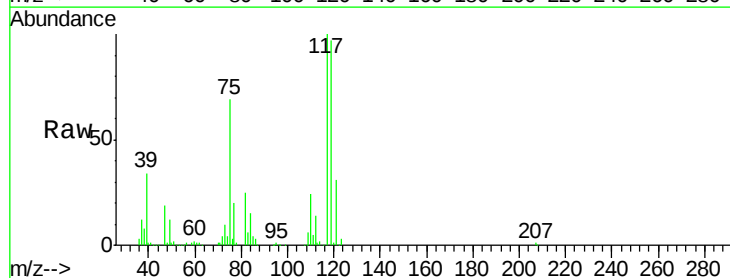
Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:46:06 PM



#38
Carbon Tetrachloride
Concen: 53.069 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.3	114.5
121	31.1	24.6	37.0





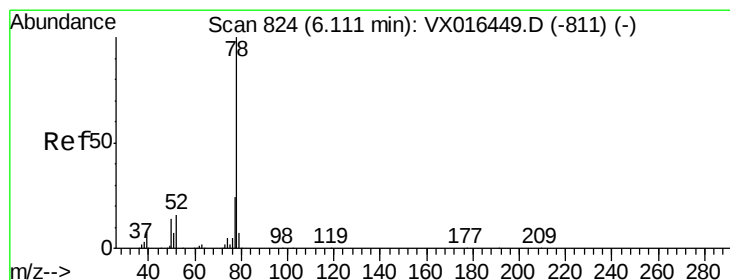
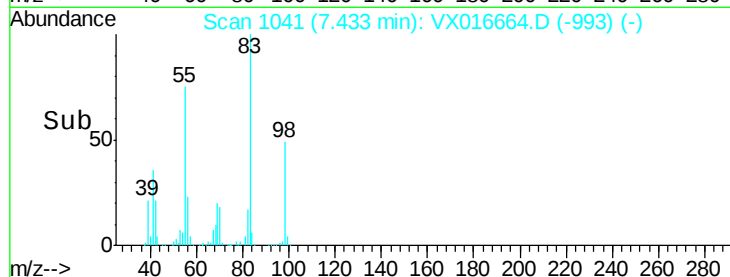
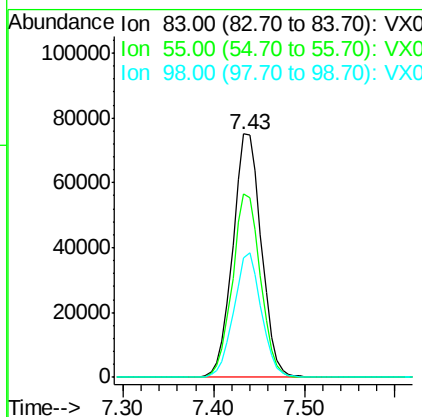
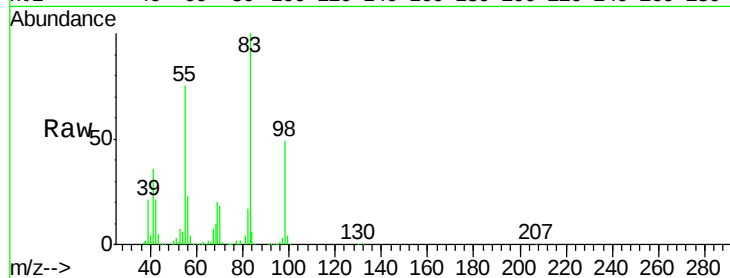
#39
Methvlcvclohexane
Concen: 49.156 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	61.7	92.5
98	49.1	38.7	58.1

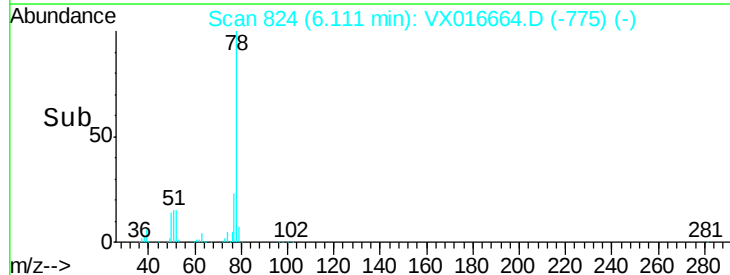
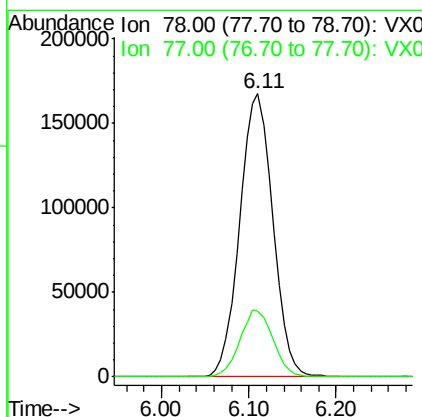
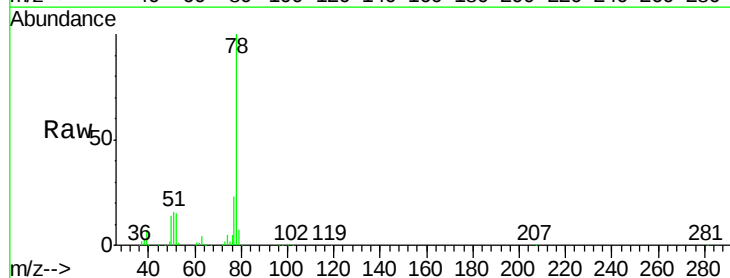
Manual Integrations
APPROVED

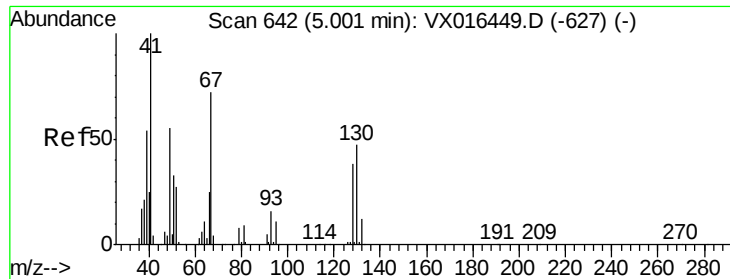
MMDadoda
6/11/2020 12:46:06 PM



#40
Benzene
Concen: 48.213 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3





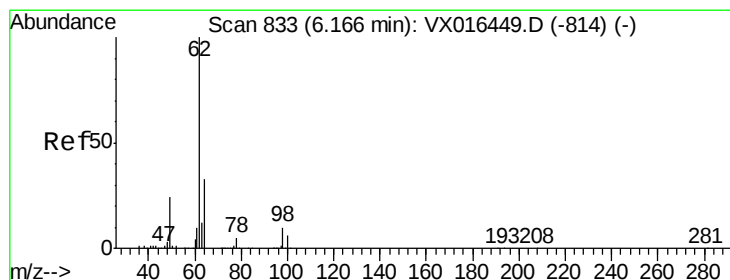
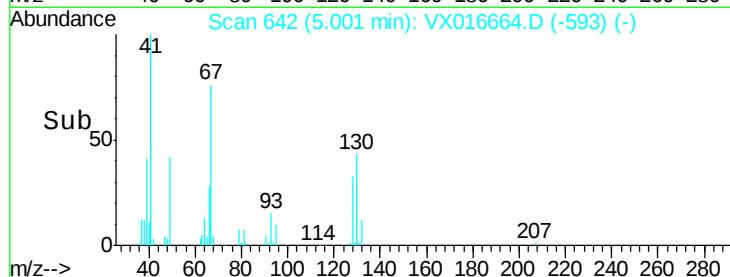
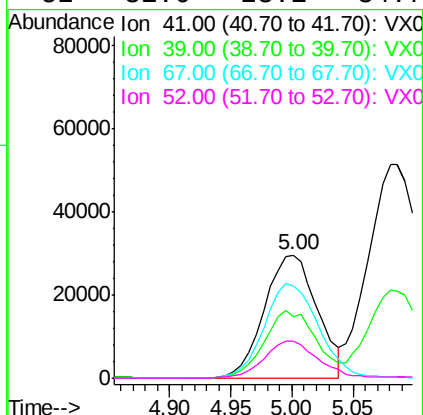
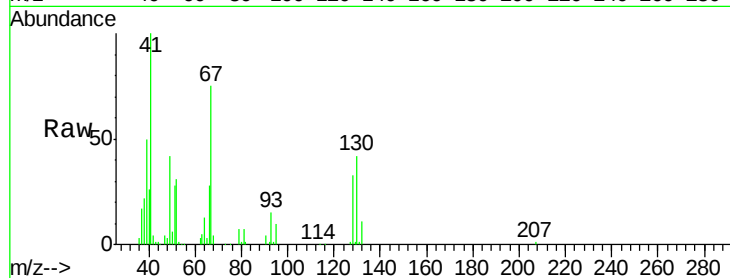
#41
Methacrylonitrile
Concen: 43.821 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.2	43.0	64.4	
67	79.9	58.9	88.3	
52	31.6	23.1	34.7	

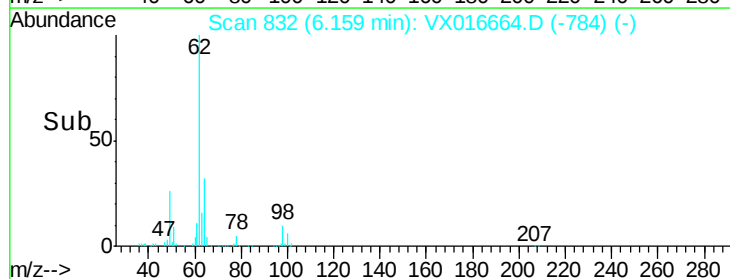
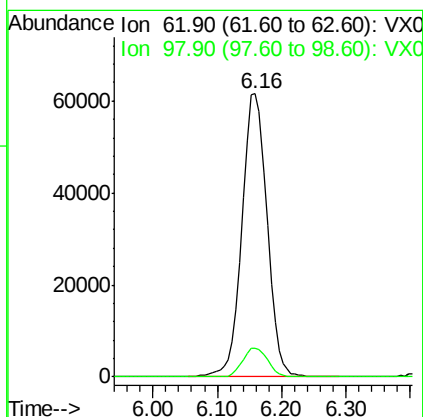
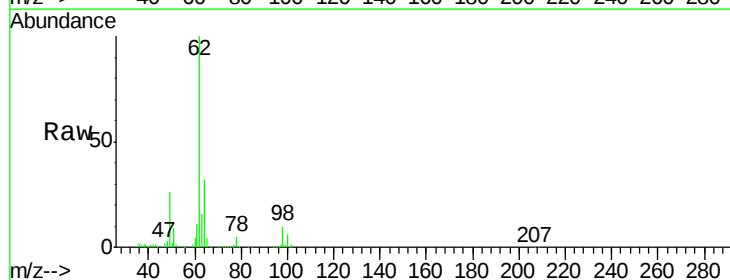
Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:46:06 PM



#42
1,2-Dichloroethane
Concen: 50.867 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.8	





#43

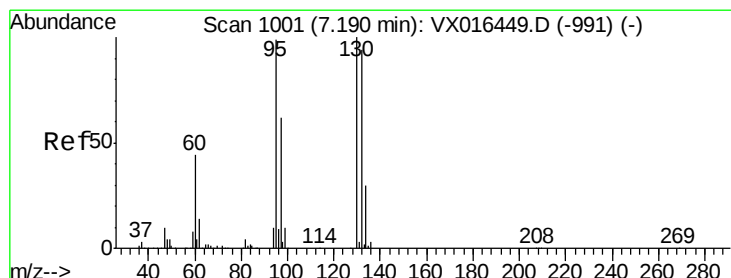
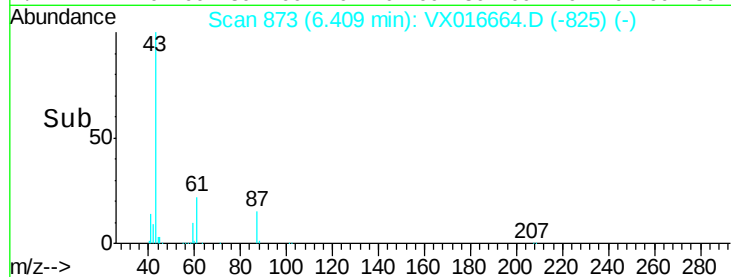
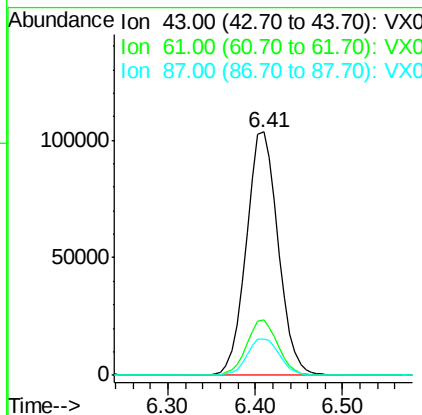
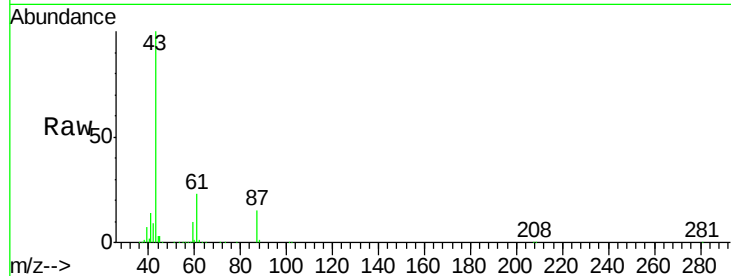
Isopropyl Acetate
 Concen: 45.354 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.3	16.8	25.2
87	15.4	11.2	16.8

Manual Integrations
 APPROVED

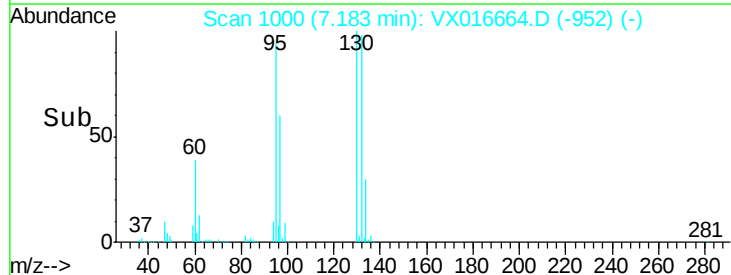
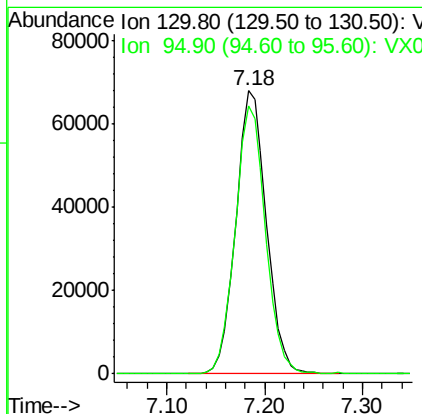
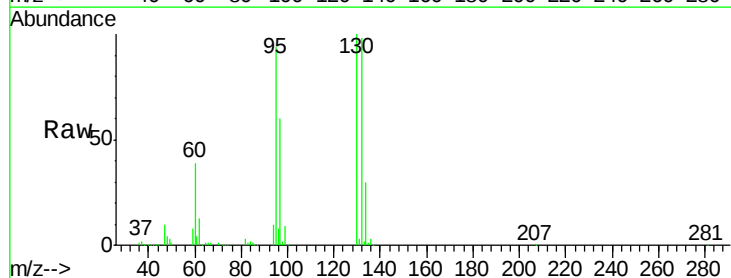
MMDadoda
 6/11/2020 12:46:06 PM

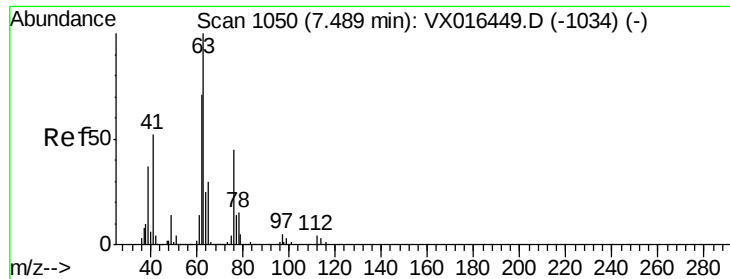


#44

Trichloroethene
 Concen: 50.597 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	198.2





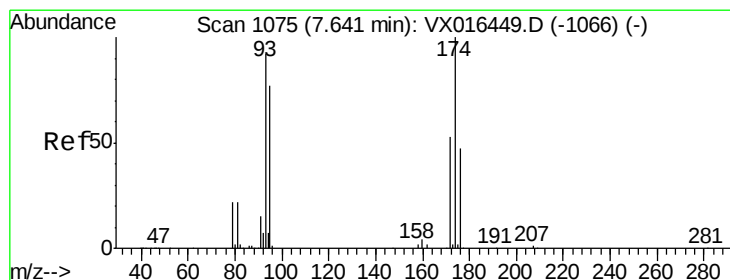
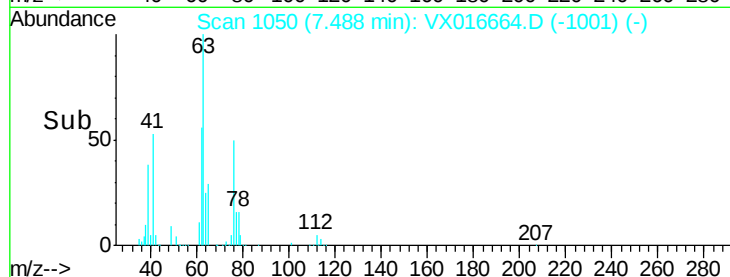
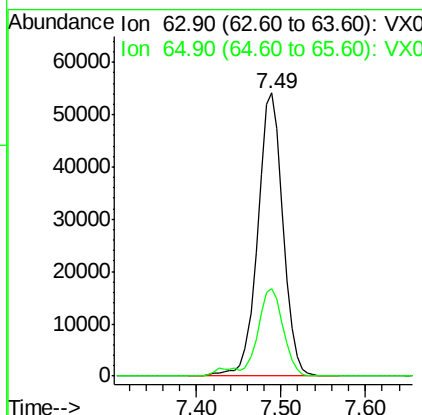
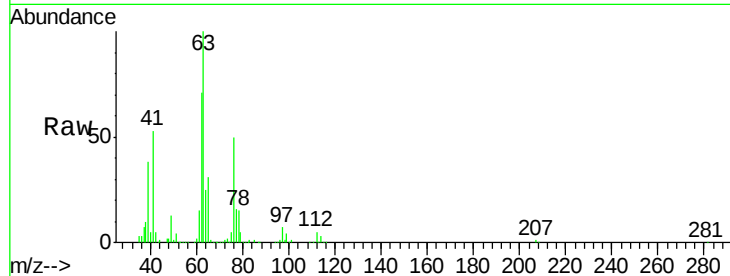
#45
 1,2-Dichloropropane
 Concen: 47.989 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.2	36.2

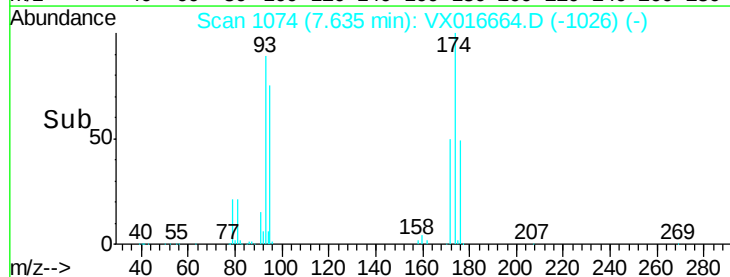
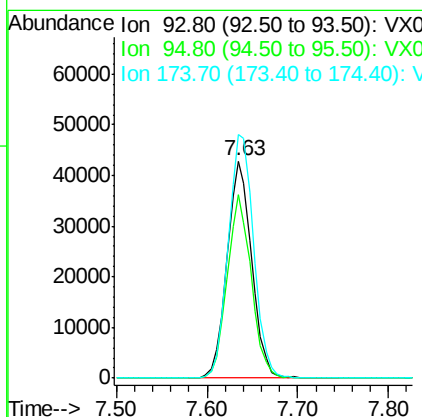
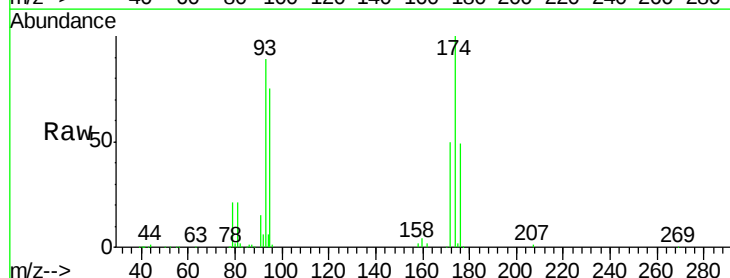
Manual Integrations
 APPROVED

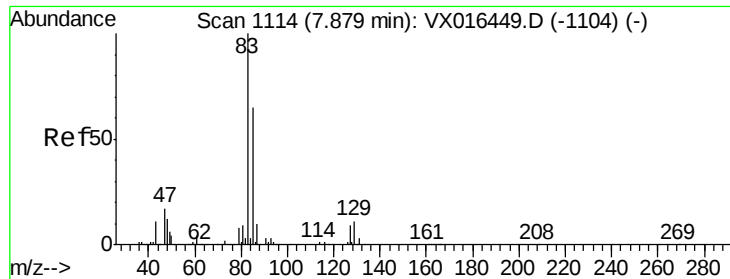
MMDadoda
 6/11/2020 12:46:06 PM



#46
 Dibromomethane
 Concen: 51.587 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.6	100.0
174	116.2	86.2	129.4





#47

Bromodichloromethane

Concen: 52.922 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Instrument :

MSVOA_X

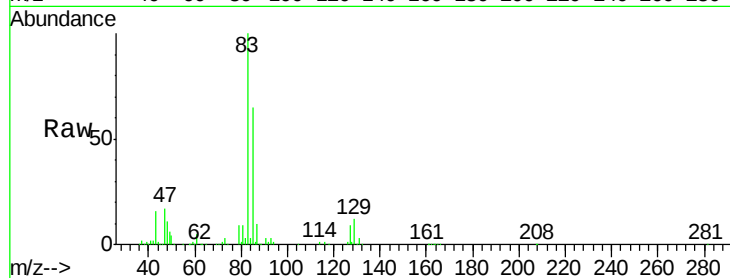
ClientSampleId :

VSTDCCC050

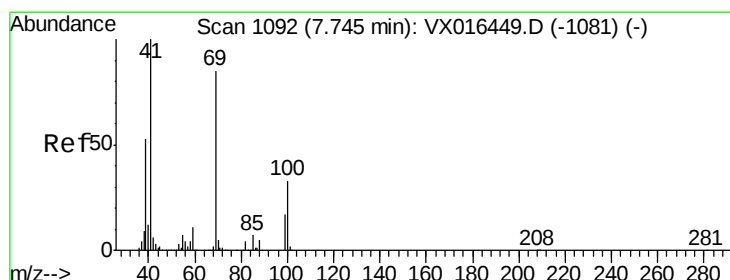
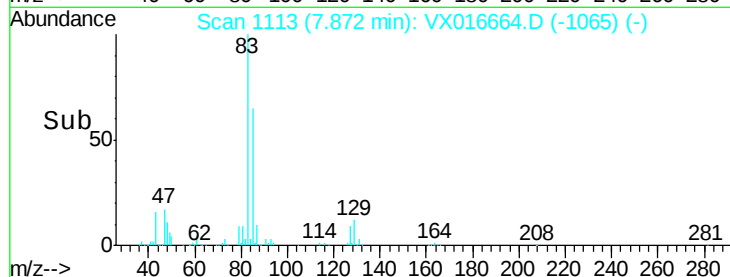
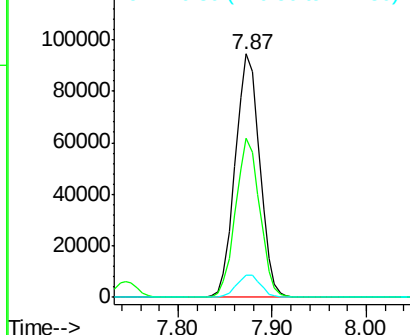
Tot Ion:	83	Resp:	171334
Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.0	78.0
127	9.2	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:46:06 PM



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: 45.645 ug/l

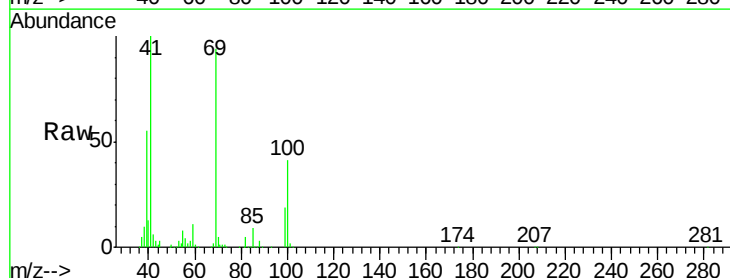
RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

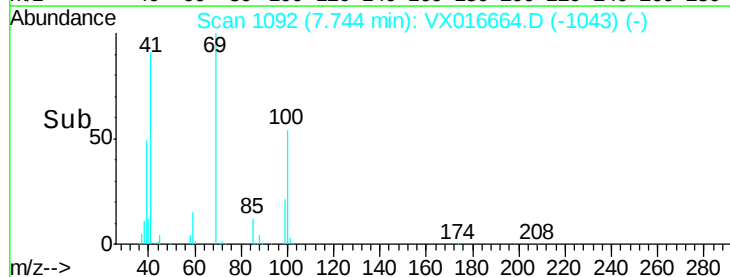
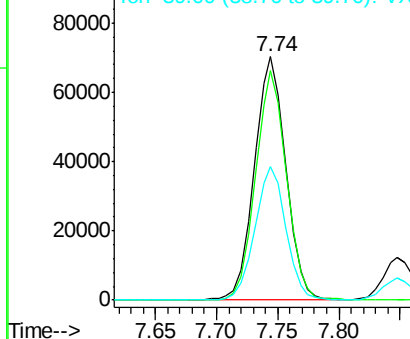
Lab File: VX016664.D

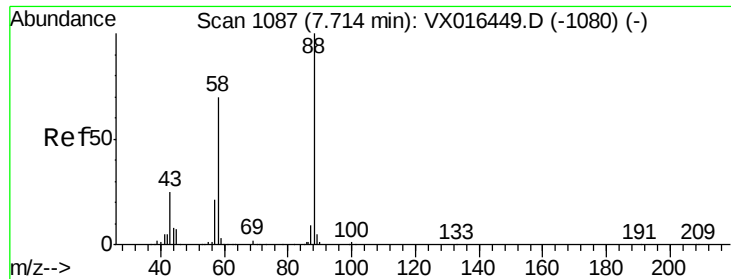
Acq: 10 Jun 2020 10:52

Tgt Ion:	41	Resp:	125674
Ion	Ratio	Lower	Upper
41	100		
69	92.8	68.6	102.8
39	54.0	42.4	63.6



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





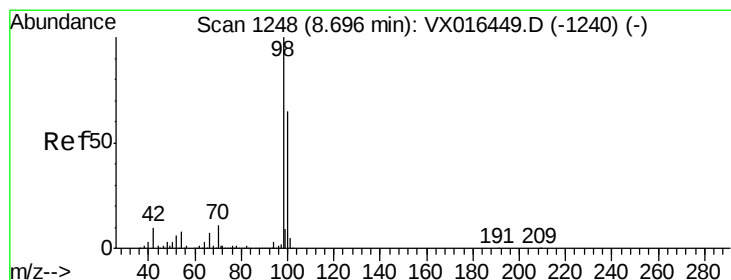
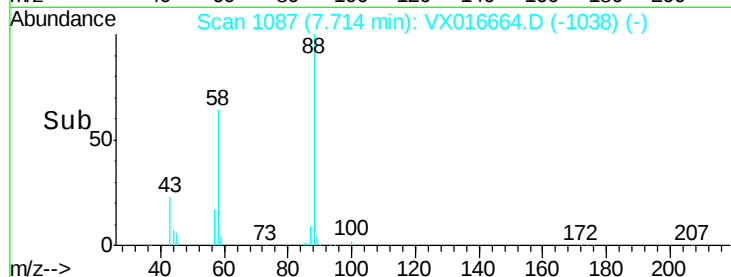
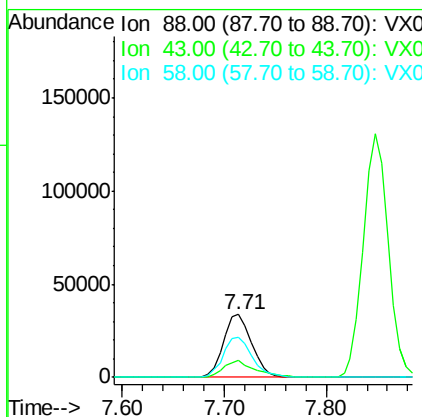
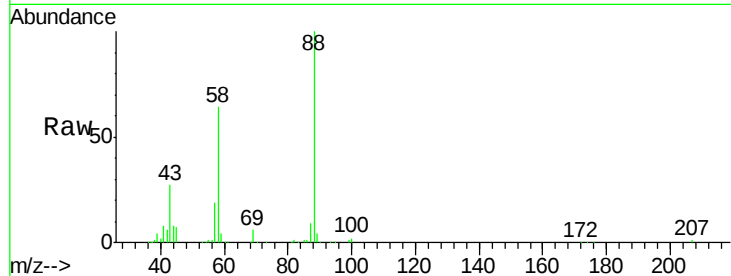
#49
1,4-Dioxane
Concen: 1004.077 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.4	24.2	36.4
58	66.2	56.5	84.7

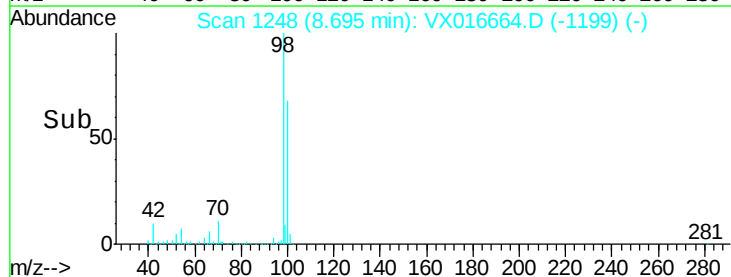
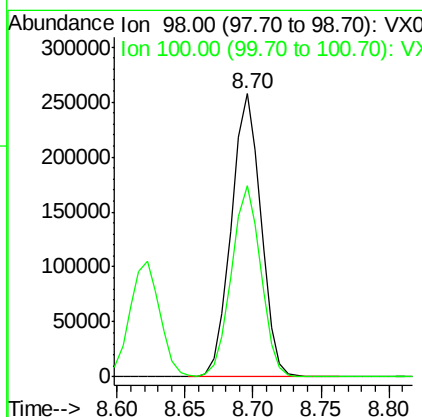
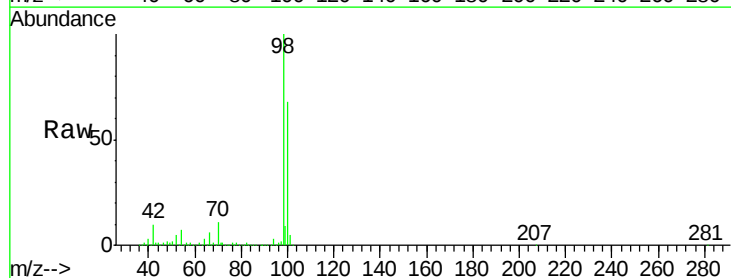
Manual Integrations
APPROVED

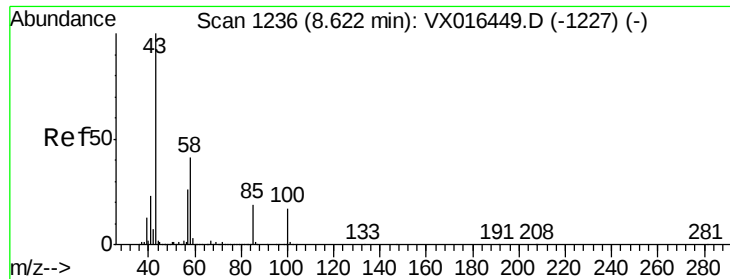
MMDadoda
6/11/2020 12:46:06 PM



#50
Toluene-d8
Concen: 50.207 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.8	80.6





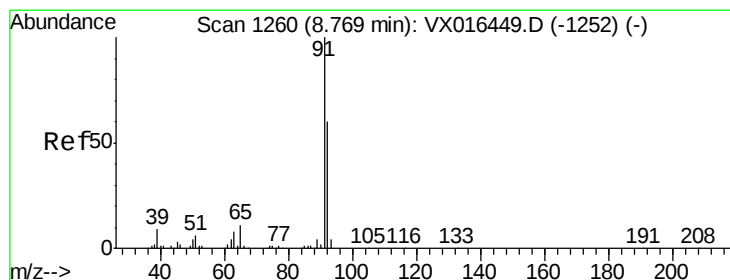
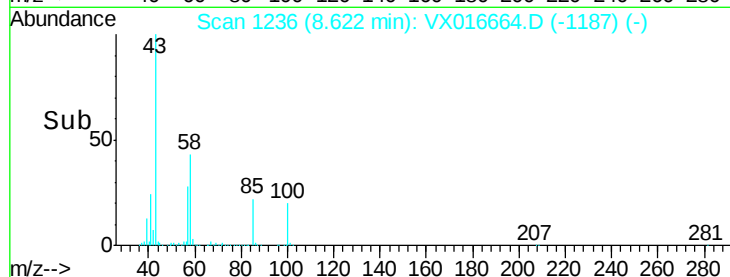
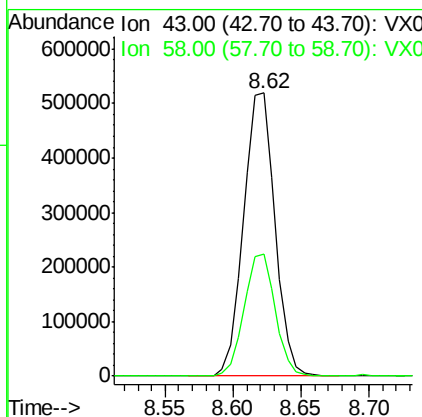
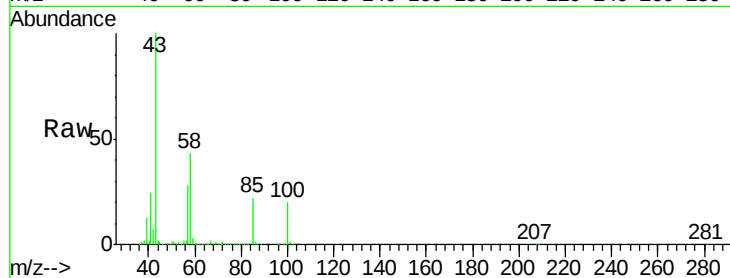
#51
4-Methyl-2-Pentanone
Concen: 234.233 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.5	33.0	49.6

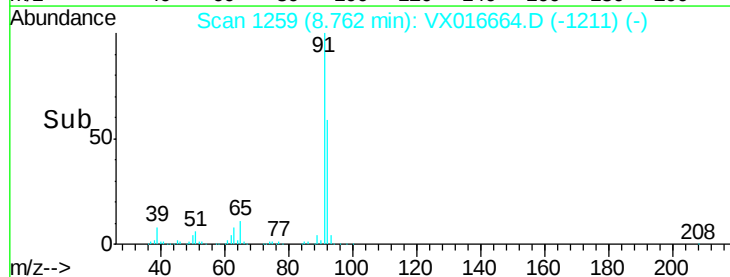
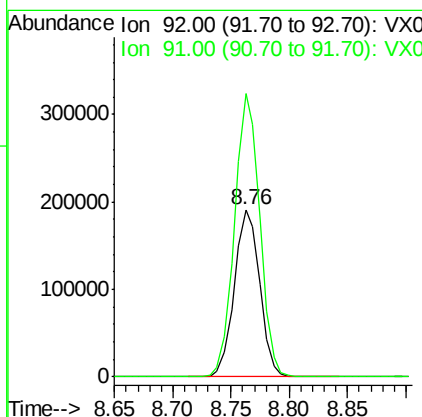
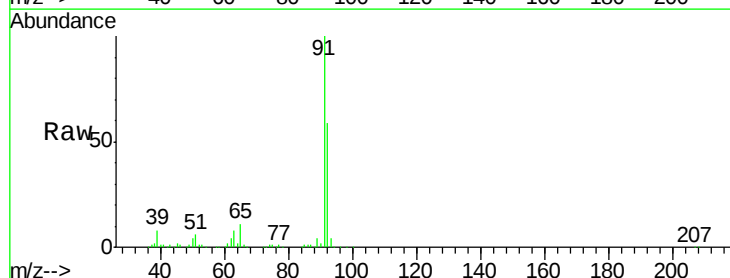
Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:46:06 PM



#52
Toluene
Concen: 50.365 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.3	135.0	202.4





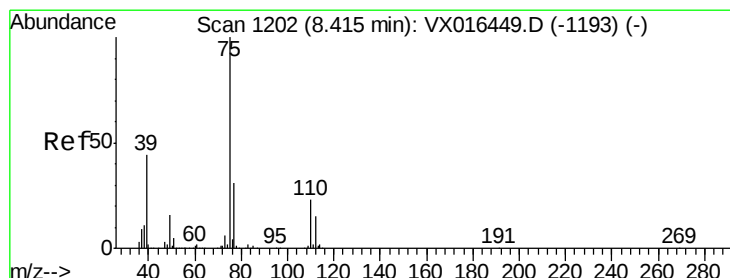
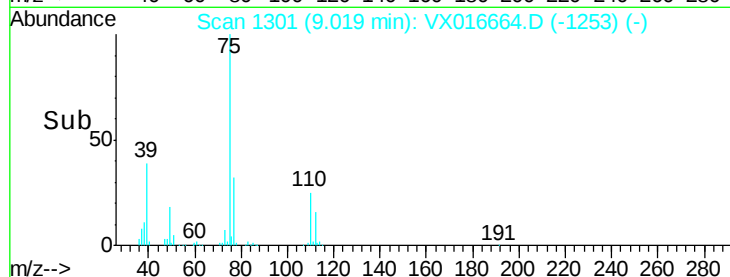
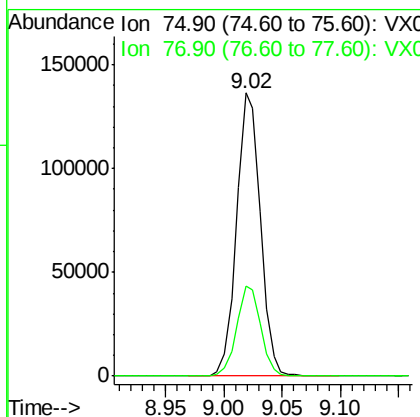
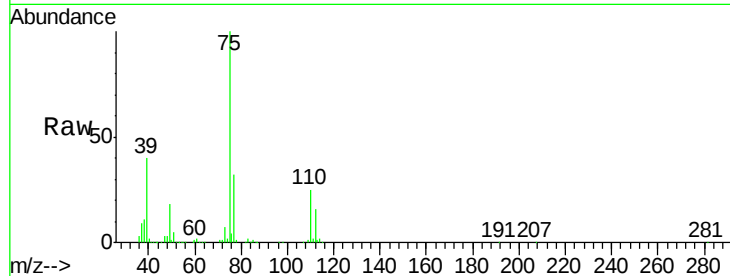
#53
t-1,3-Dichloropropene
Concen: 53.002 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3

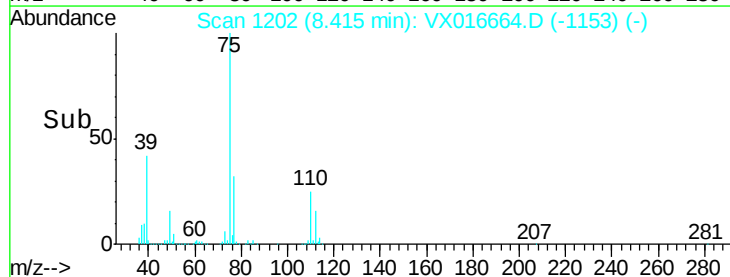
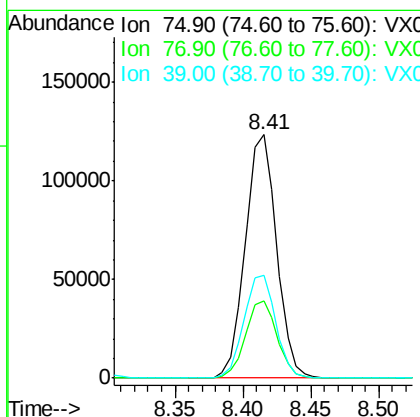
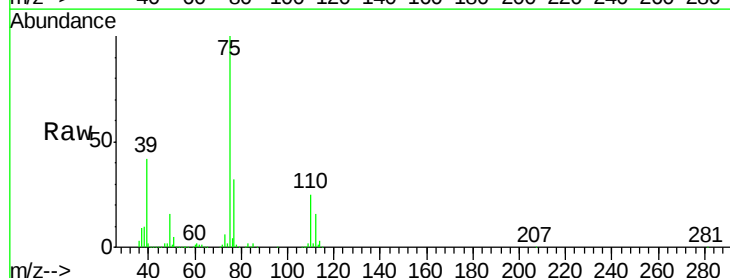
Manual Integrations
APPROVED

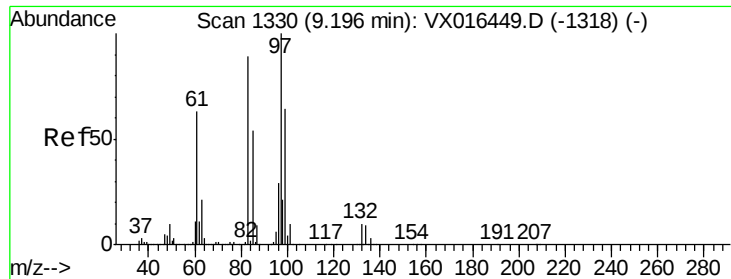
MMDadoda
6/11/2020 12:46:06 PM



#54
cis-1,3-Dichloropropene
Concen: 51.173 ug/l
RT: 8.41 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.6	36.8
39	42.0	35.3	52.9





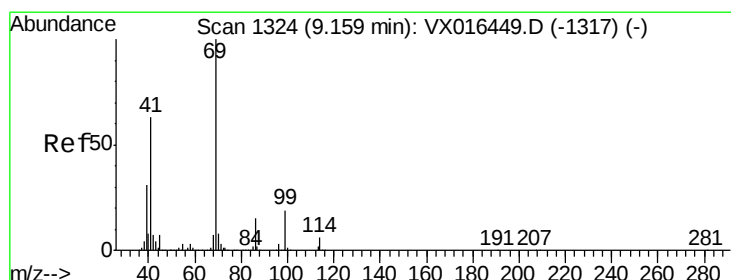
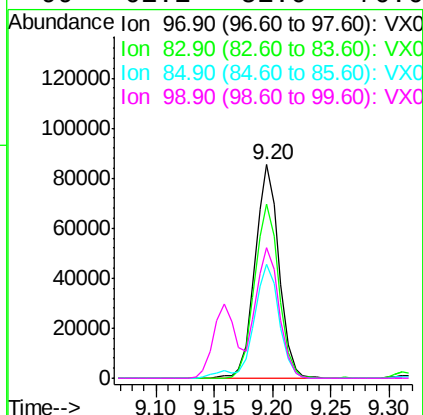
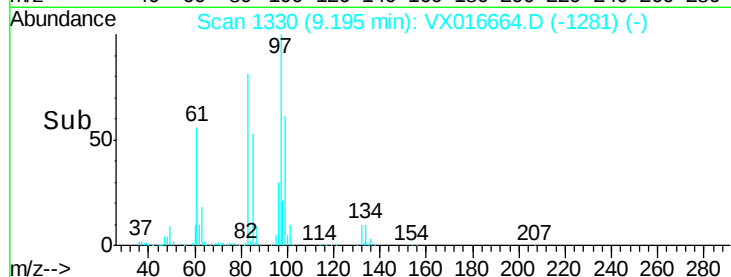
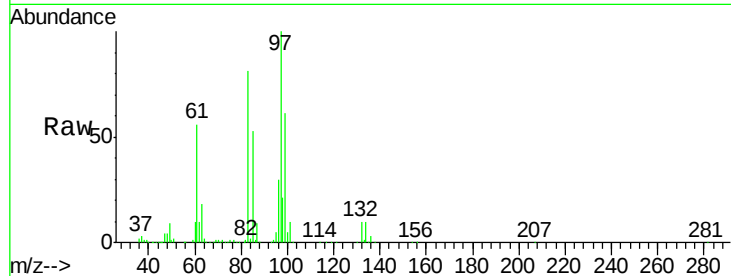
#55
 1,1,2-Trichloroethane
 Concen: 53.475 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	122599
Ion	Ratio	Lower	Upper
97	100		
83	81.2	70.9	106.3
85	53.1	43.4	65.2
99	61.1	51.0	76.6

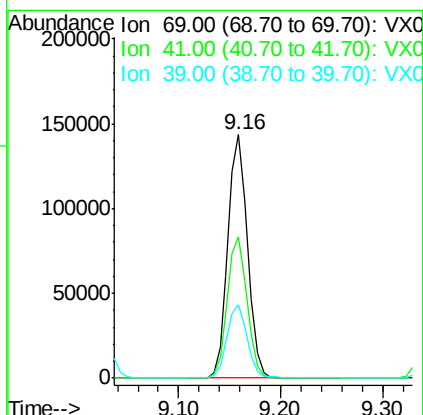
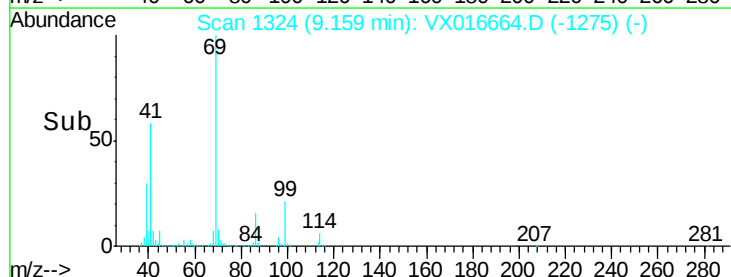
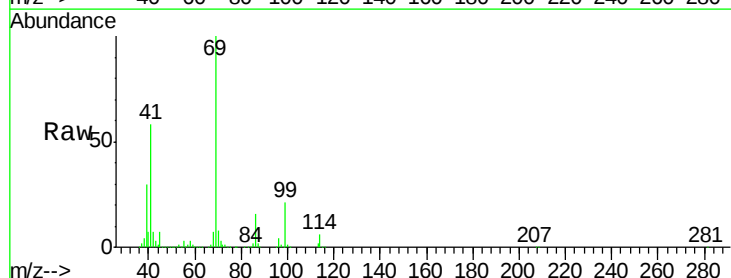
Manual Integrations
 APPROVED

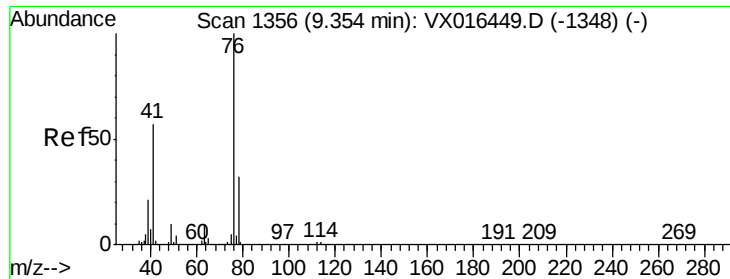
MMDadoda
 6/11/2020 12:46:06 PM



#56
 Ethyl methacrylate
 Concen: 50.985 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Tgt Ion:	69	Resp:	190372
Ion	Ratio	Lower	Upper
69	100		
41	58.4	50.7	76.1
39	31.2	25.8	38.6





#57

1,3-Dichloropropane

Concen: 51.448 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 202459

Ion Ratio Lower Upper

76 100

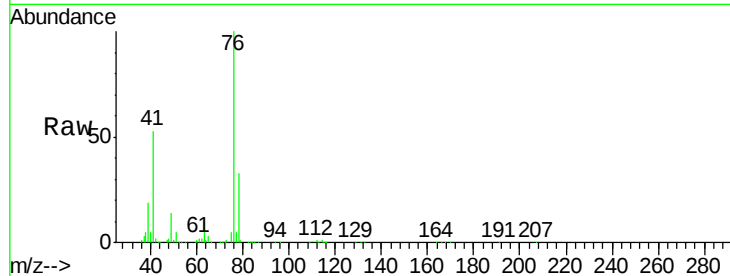
78 32.6 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

6/11/2020 12:46:06 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

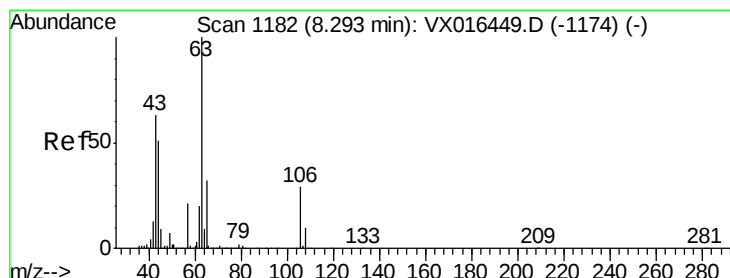
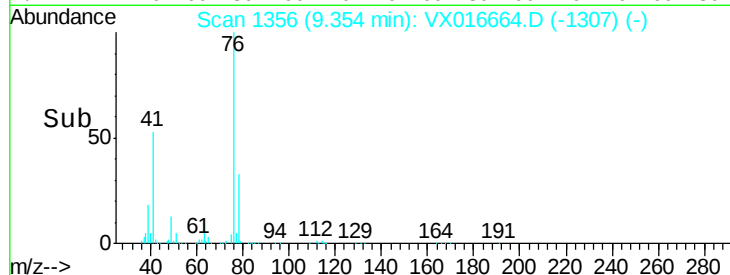
100000

50000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 244.977 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VX016664.D

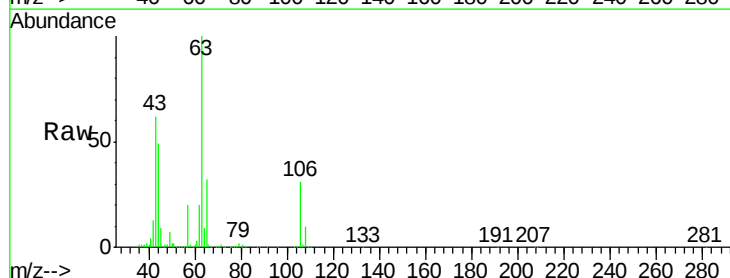
Acq: 10 Jun 2020 10:52

Tgt Ion: 63 Resp: 477446

Ion Ratio Lower Upper

63 100

106 31.9 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

300000

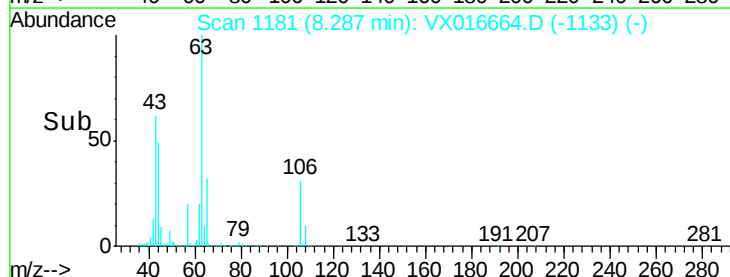
200000

100000

0

8.20 8.30 8.40

Time-->





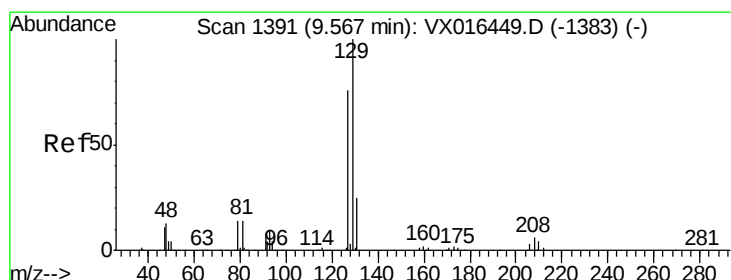
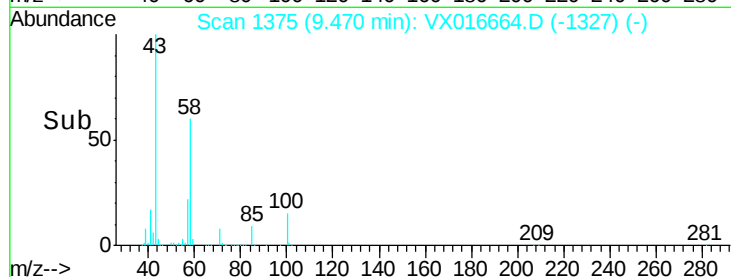
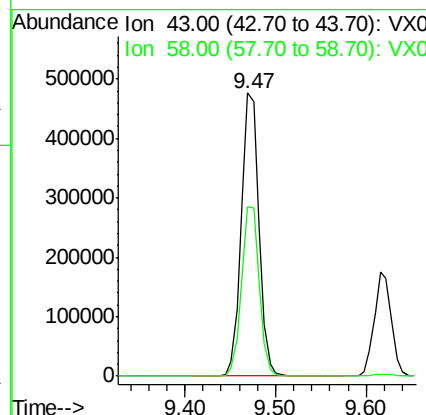
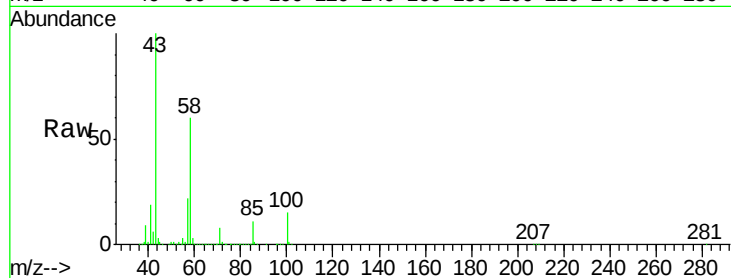
#59
2-Hexanone
Concen: 231.506 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 644609
Ion Ratio Lower Upper
43 100
58 60.2 28.8 86.4

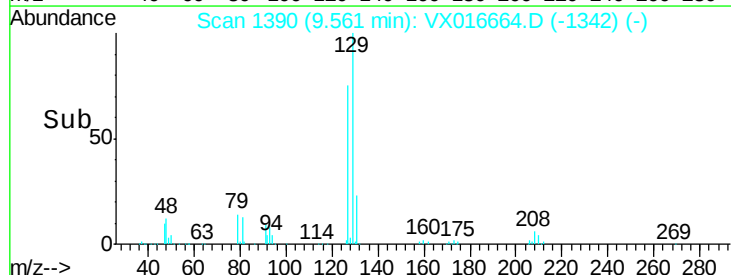
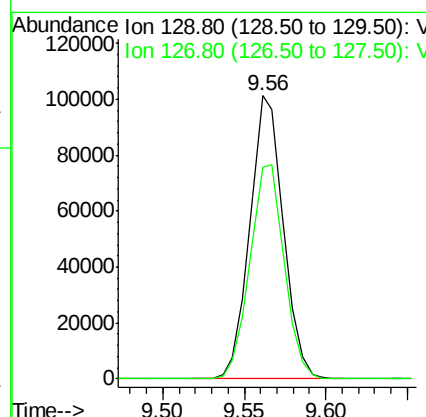
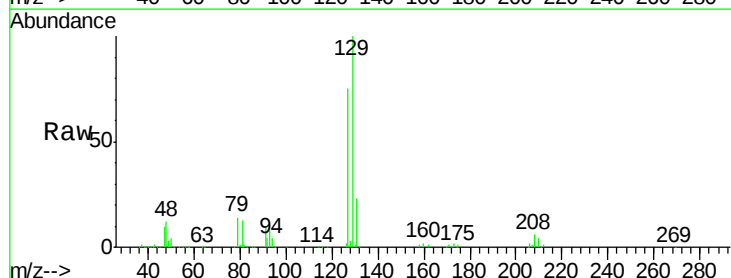
Manual Integrations
APPROVED

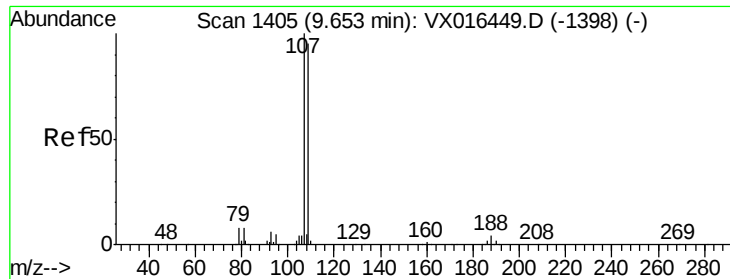
MMDadoda
6/11/2020 12:46:06 PM



#60
Dibromochloromethane
Concen: 56.212 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion: 129 Resp: 145032
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0





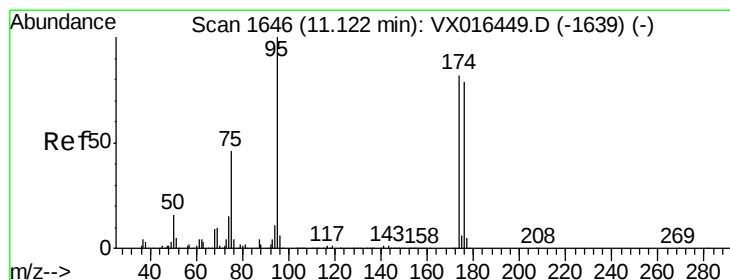
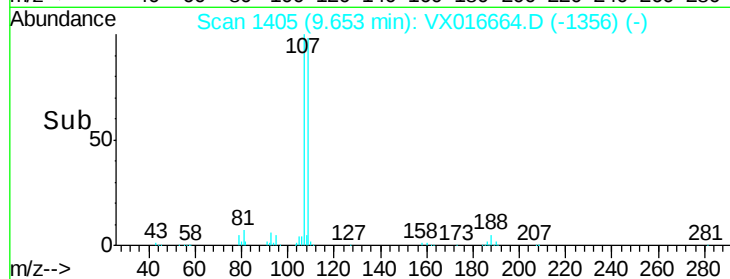
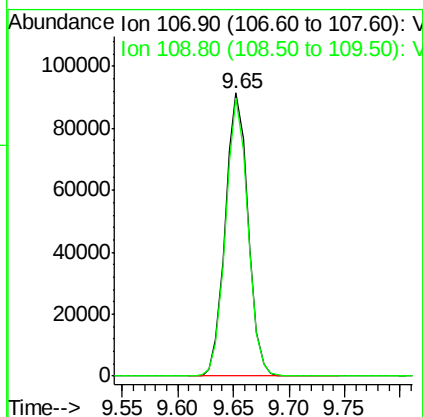
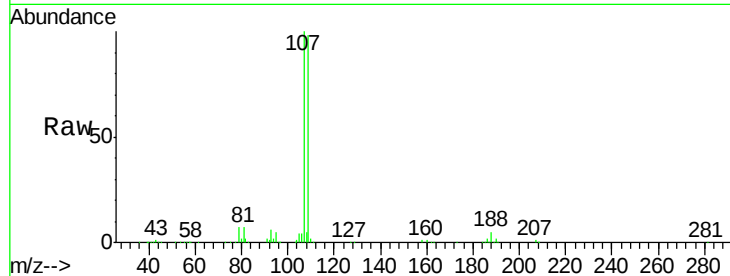
#61
 1,2-Dibromoethane
 Concen: 52.726 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.5	113.3

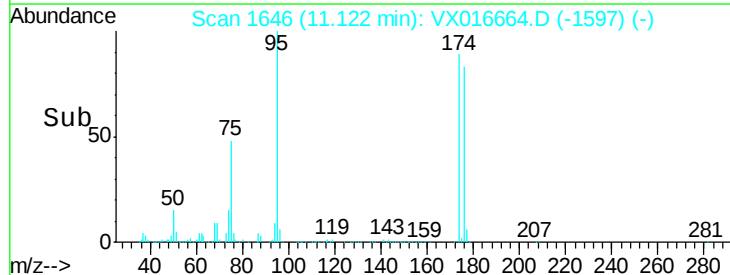
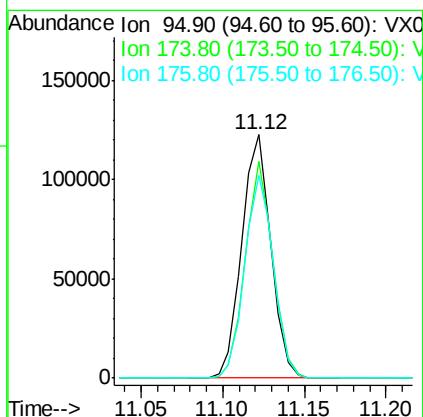
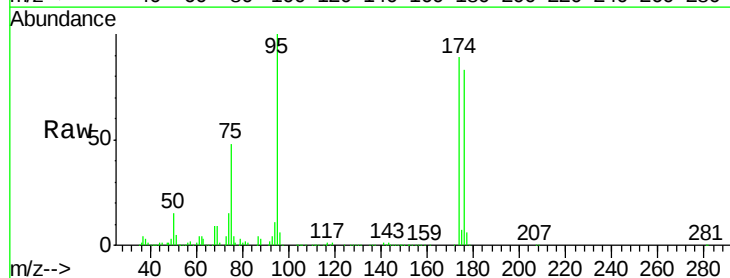
Manual Integrations
 APPROVED

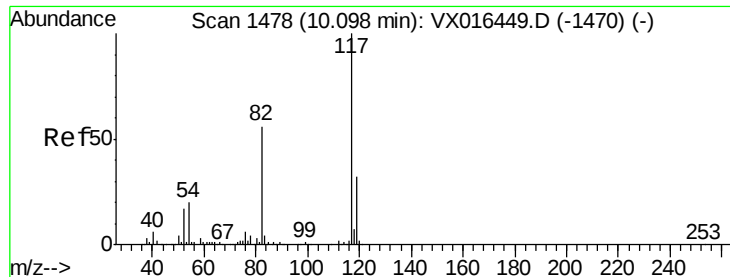
MMDadoda
 6/11/2020 12:46:06 PM



#62
 4-Bromofluorobenzene
 Concen: 50.786 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	163.0
176	82.6	0.0	156.8





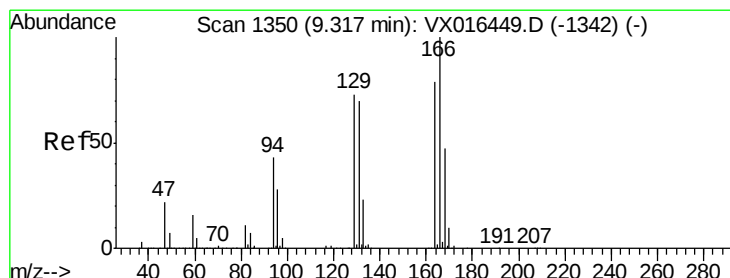
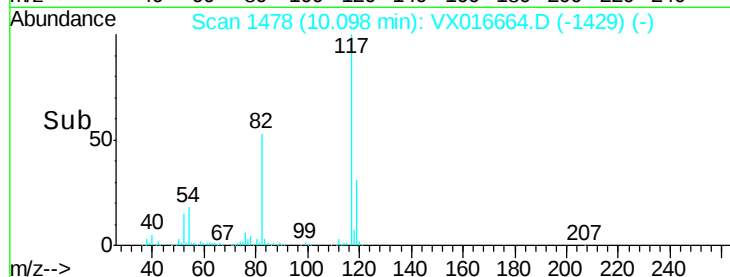
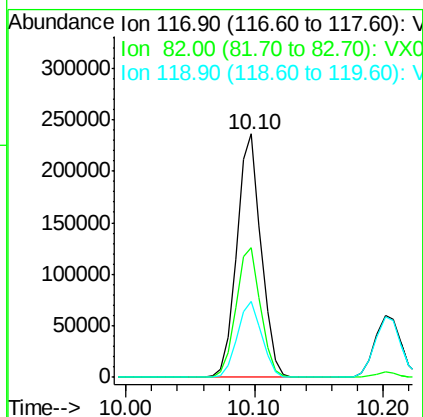
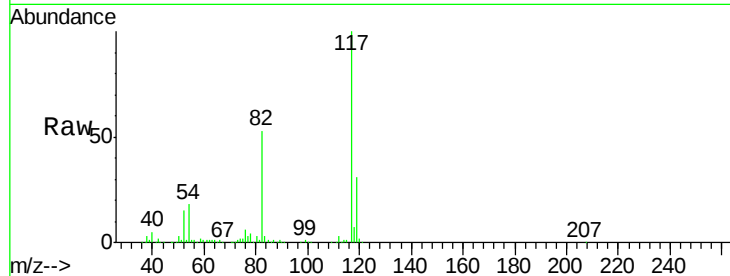
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	308750		
82	53.4	45.0	67.6	
119	31.0	25.8	38.8	

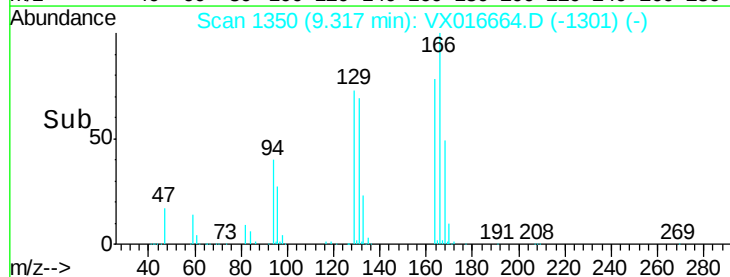
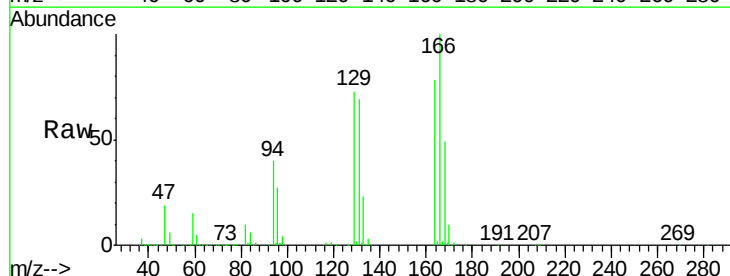
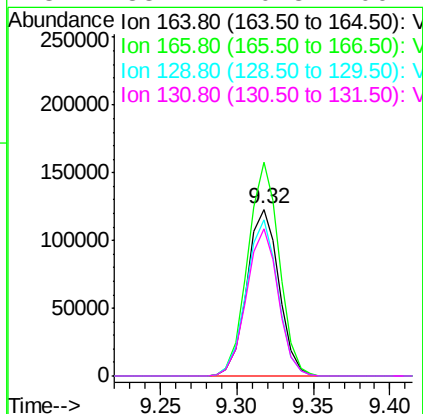
Manual Integrations
APPROVED

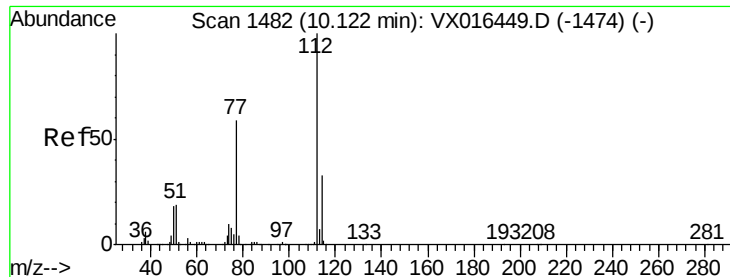
MMDadoda
6/11/2020 12:46:06 PM



#64
Tetrachloroethene
Concen: 51.726 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	178676		
166	128.3	100.9	151.3	
129	94.1	73.2	109.8	
131	88.7	70.8	106.2	





#65

Chlorobenzene

Concen: 50.890 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 320328

Ion Ratio Lower Upper

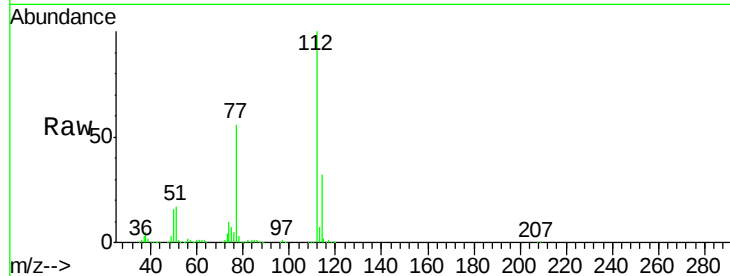
112 100

114 31.6 26.0 39.0

Manual Integrations
APPROVED

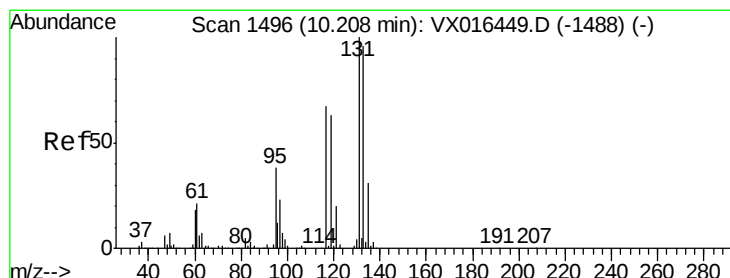
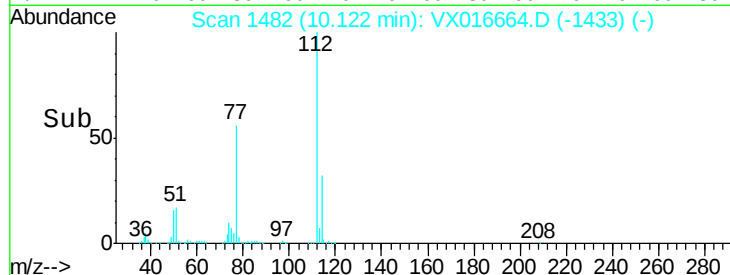
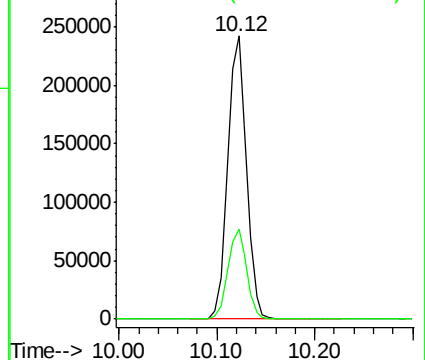
MMDadoda

6/11/2020 12:46:06 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.893 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

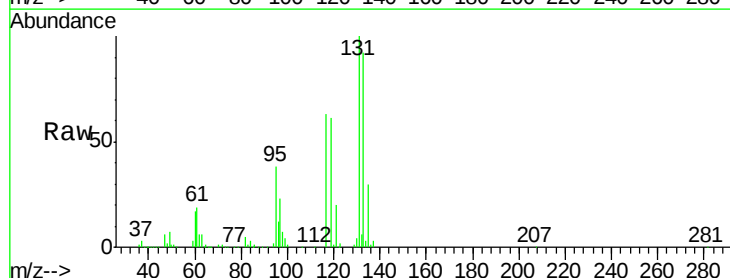
Tgt Ion:131 Resp: 129495

Ion Ratio Lower Upper

131 100

133 95.4 48.4 145.3

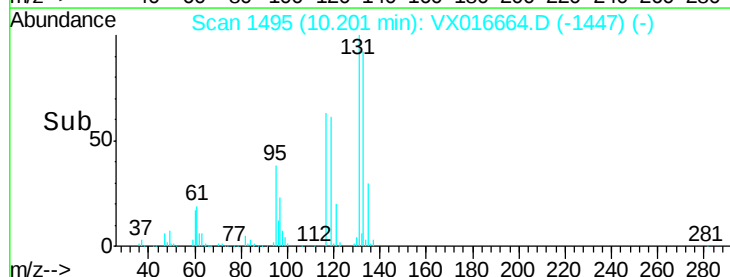
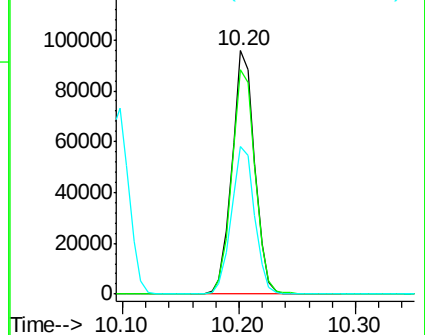
119 62.4 32.0 96.2

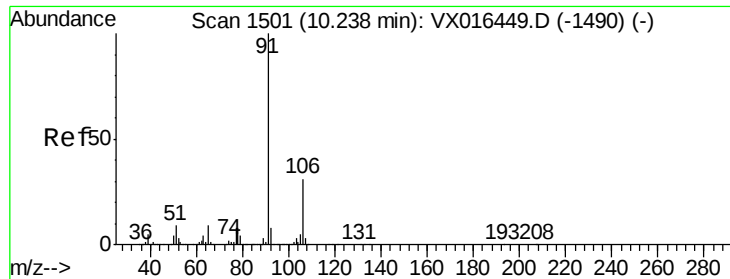


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





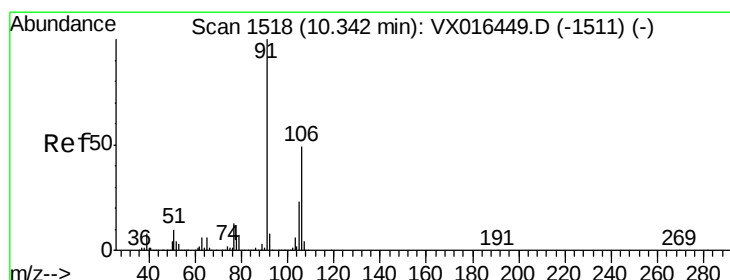
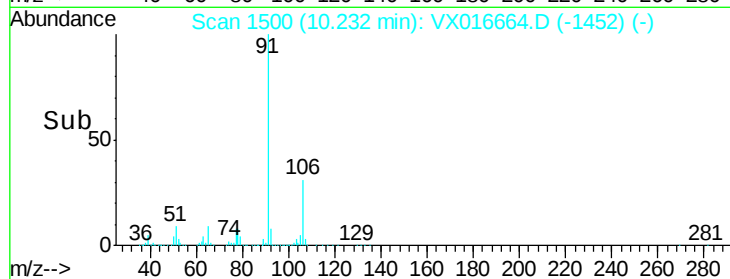
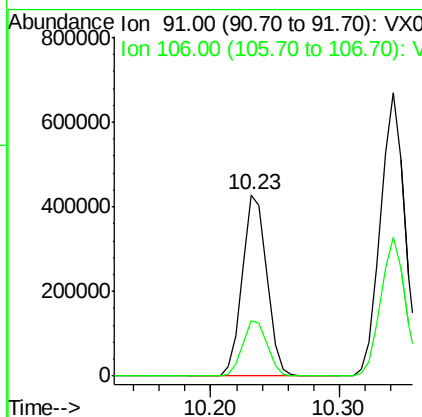
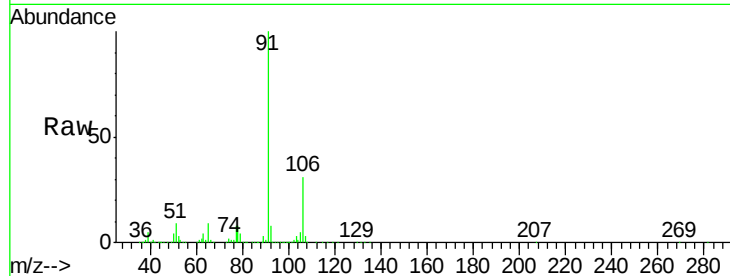
#67
Ethyl Benzene
Concen: 50.057 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.01 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 560990
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.4

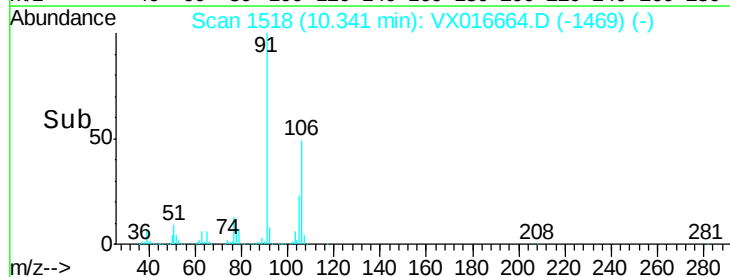
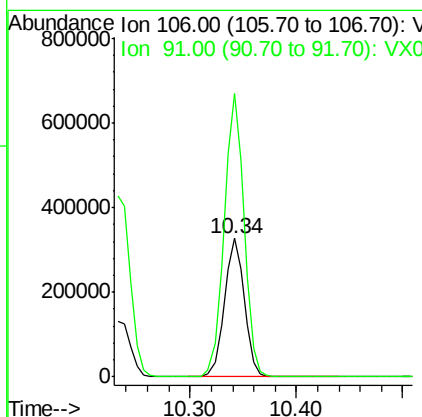
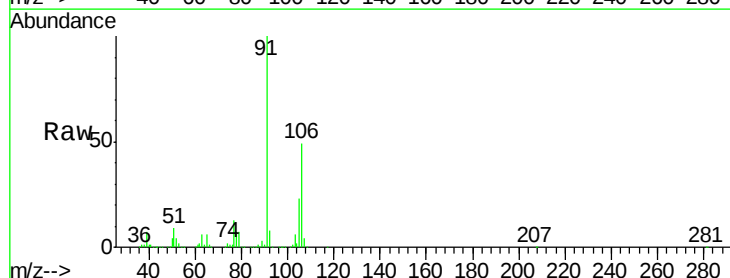
Manual Integrations
APPROVED

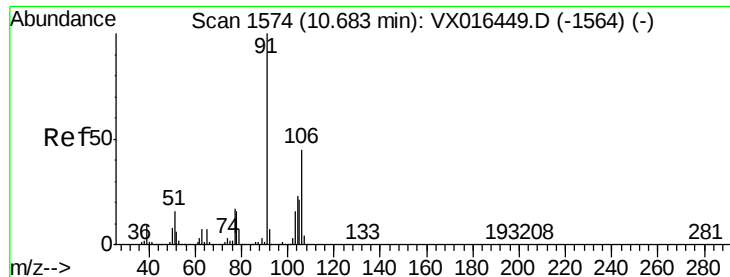
MMDadoda
6/11/2020 12:46:06 PM



#68
m/p-Xylenes
Concen: 103.267 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion: 106 Resp: 429098
Ion Ratio Lower Upper
106 100
91 203.3 163.8 245.8





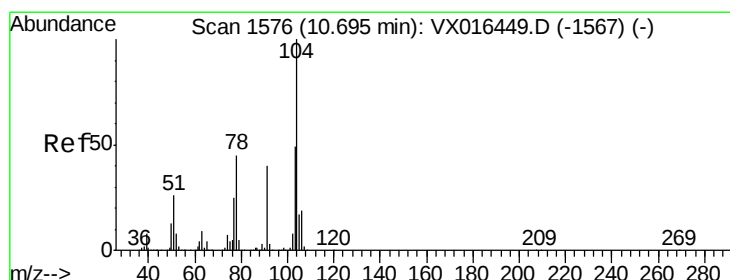
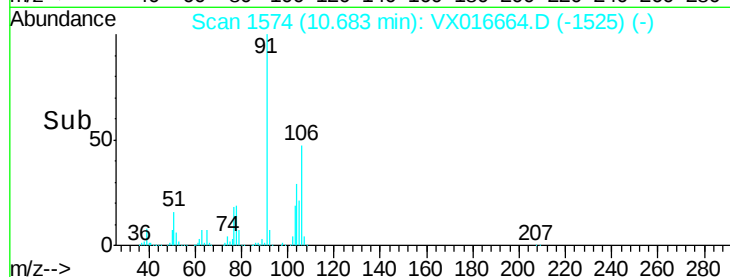
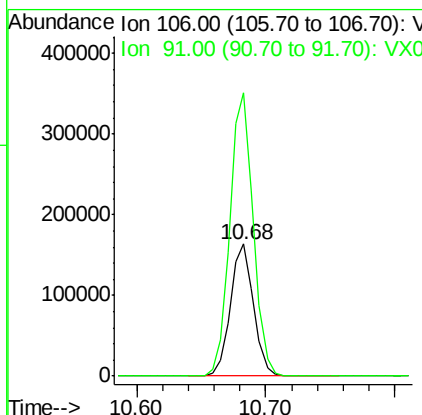
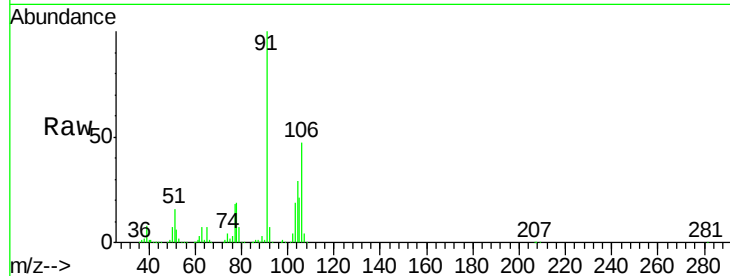
#69
o-Xylene
Concen: 51.100 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 205634
Ion Ratio Lower Upper
106 100
91 216.6 109.6 328.8

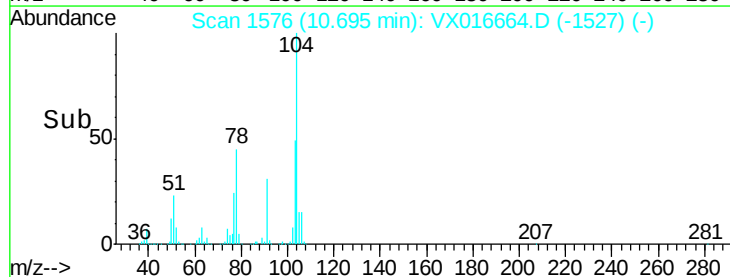
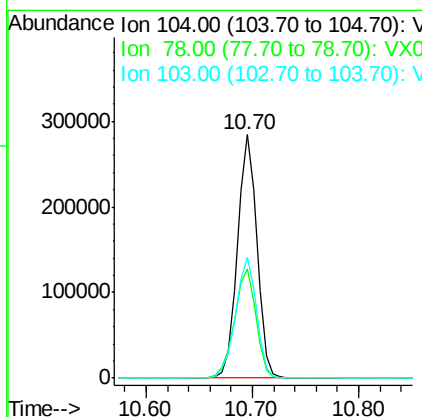
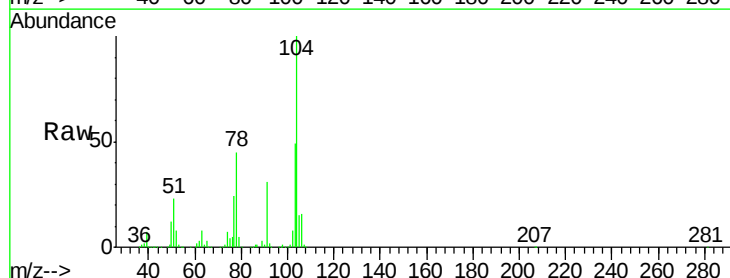
Manual Integrations
APPROVED

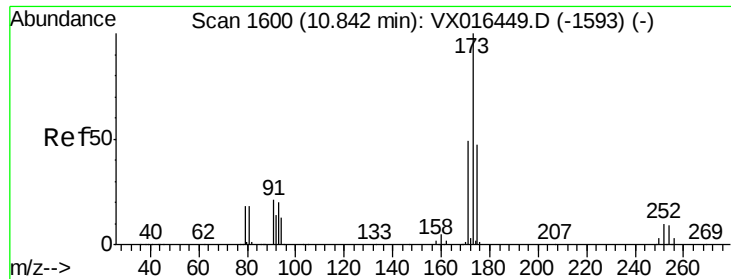
MMDadoda
6/11/2020 12:46:06 PM



#70
Styrene
Concen: 52.961 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion:104 Resp: 366331
Ion Ratio Lower Upper
104 100
78 49.7 40.2 60.2
103 53.4 43.1 64.7





#71

Bromoform

Concen: 56.926 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Instrument :

MSVOA_X

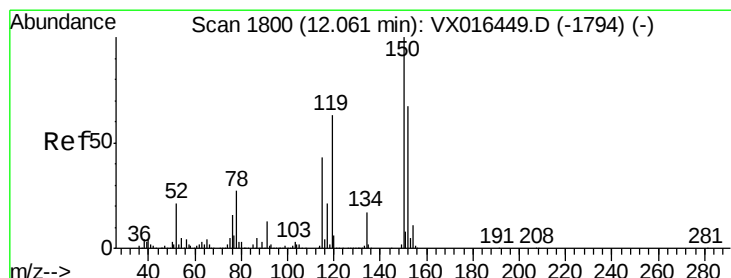
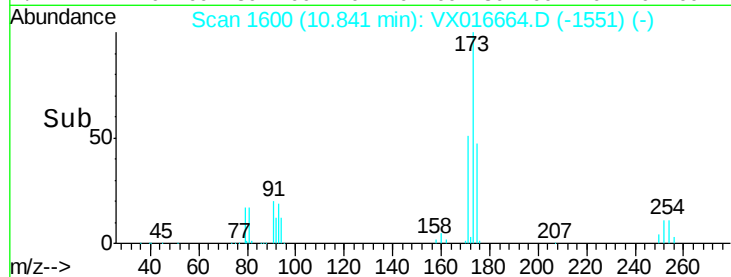
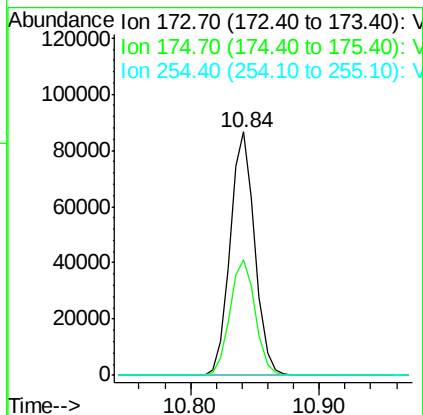
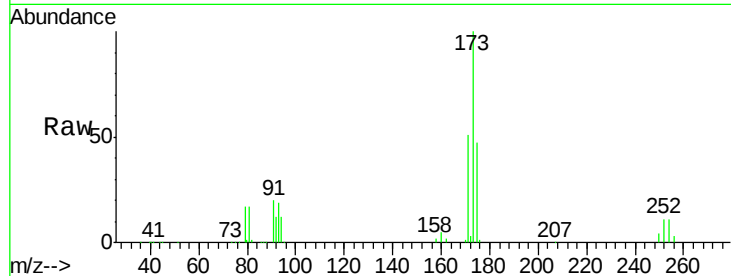
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.9	71.7
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:46:06 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

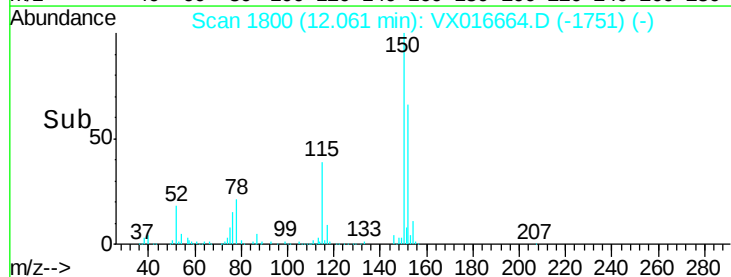
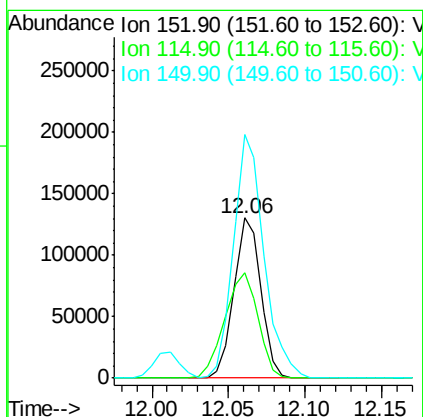
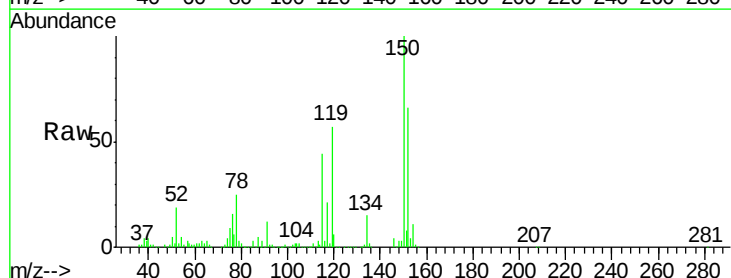
RT: 12.06 min Scan# 1800

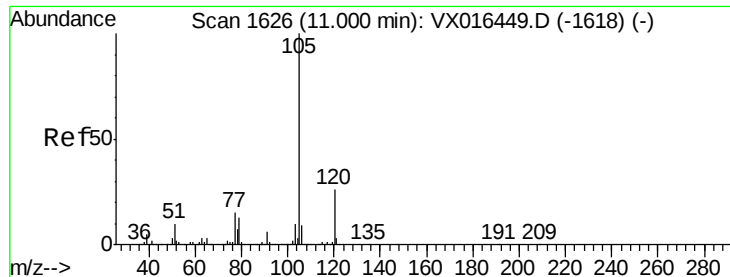
Delta R.T. -0.00 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.6	39.9	119.6
150	171.9	0.0	341.0





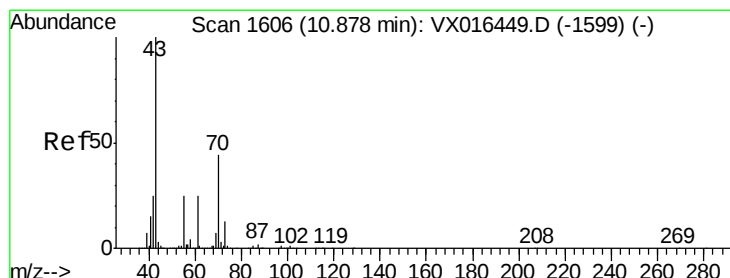
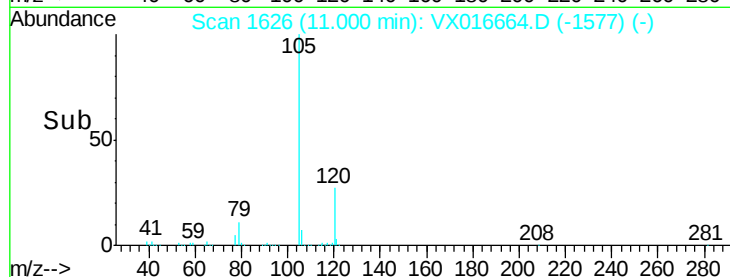
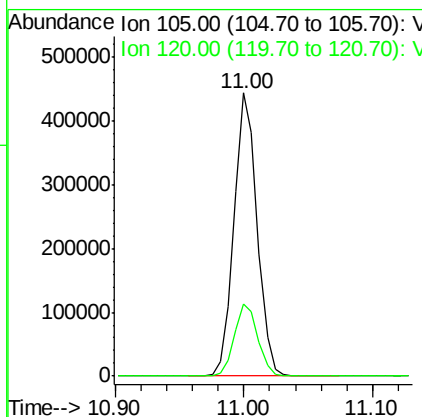
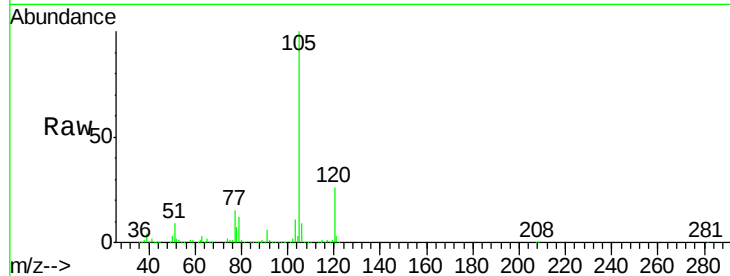
#73
Isopropylbenzene
Concen: 50.399 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.1	39.3

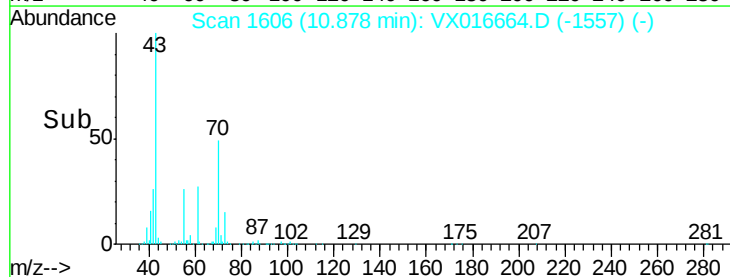
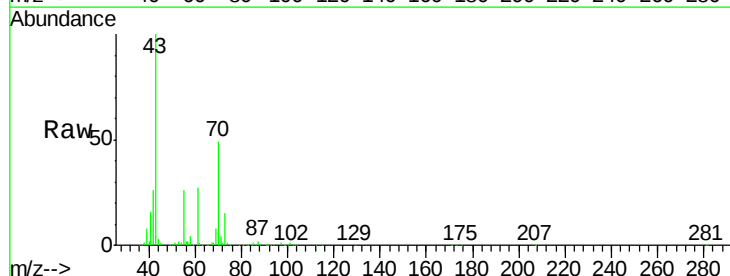
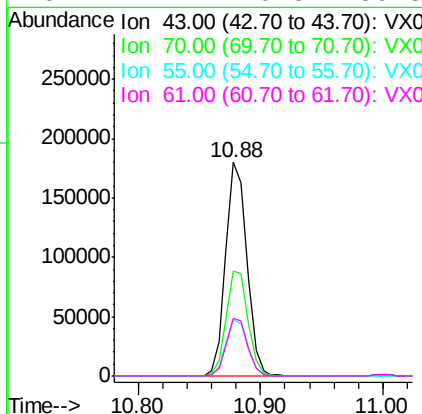
Manual Integrations
APPROVED

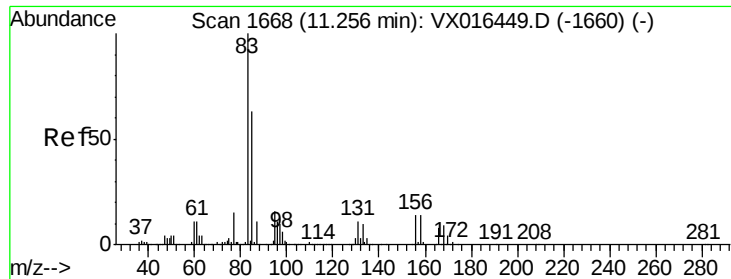
MMDadoda
6/11/2020 12:46:06 PM



#74
N-ethyl acetate
Concen: 42.730 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
43	100		
70	50.2	36.1	54.1
55	26.8	20.2	30.4
61	27.1	20.3	30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.728 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Instrument :

MSVOA_X

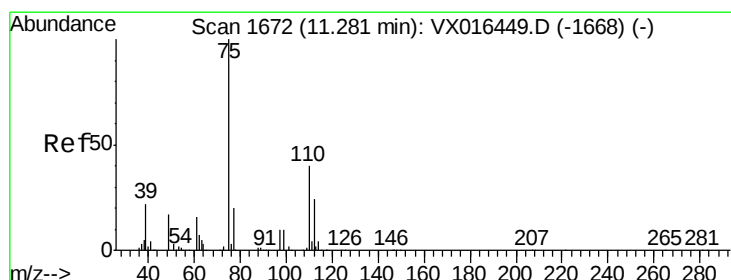
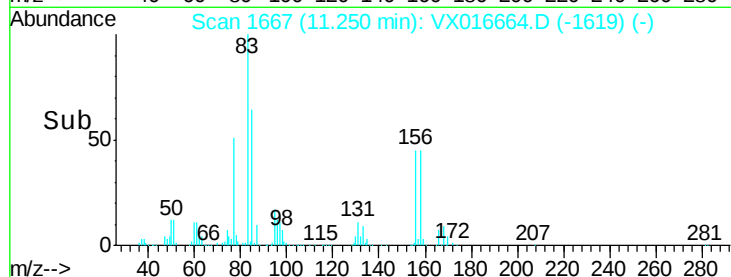
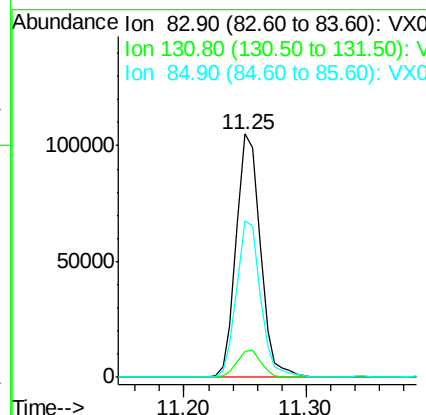
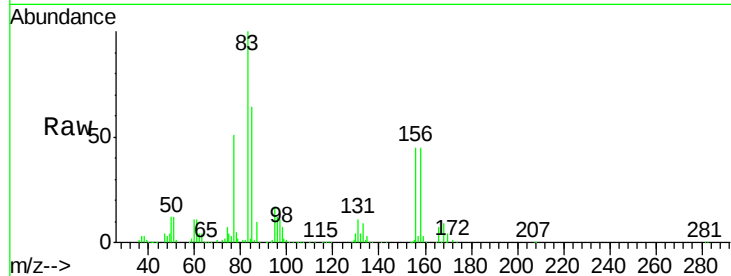
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	142865
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.1	15.3
85	64.4	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:46:06 PM



#76

1,2,3-Trichloropropane

Concen: 49.546 ug/l m

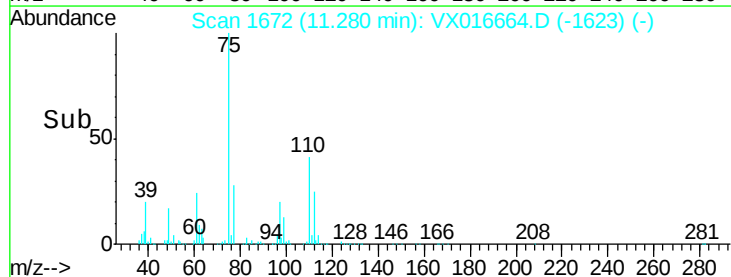
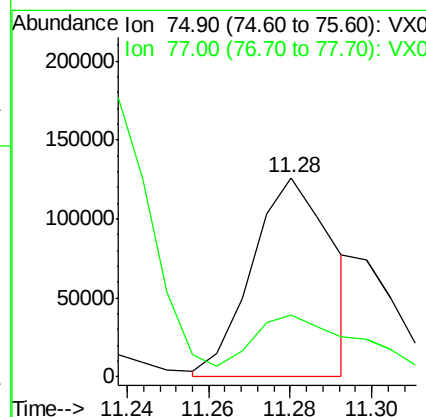
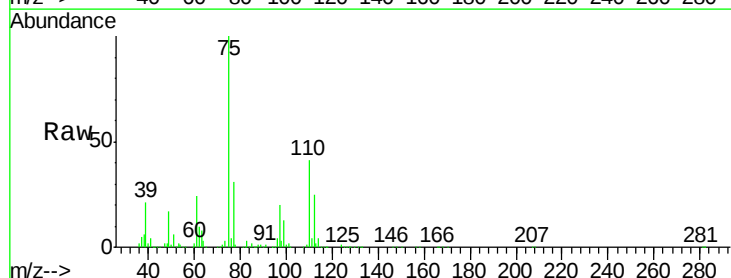
RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Tgt Ion:	75	Resp:	173210
Ion Ratio	Lower	Upper	
75	100		
77	41.9	21.3	63.7





#77

Bromobenzene

Concen: 50.806 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Instrument :

MSVOA_X

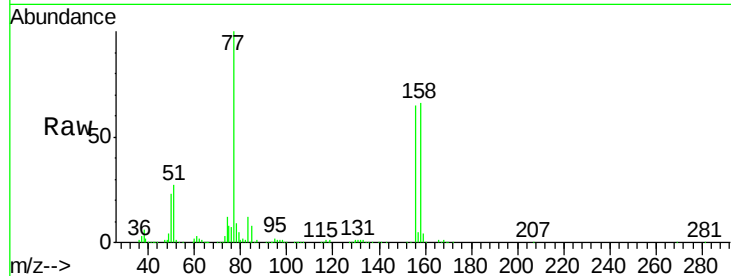
ClientSampleId :

VSTDCCC050

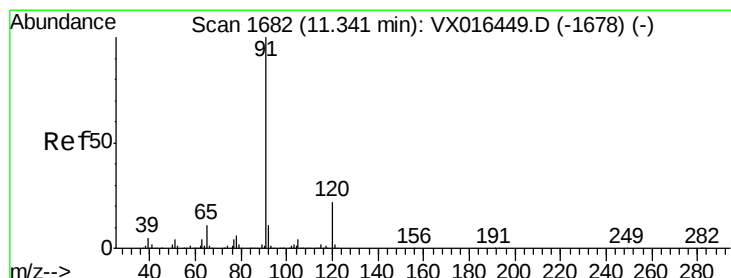
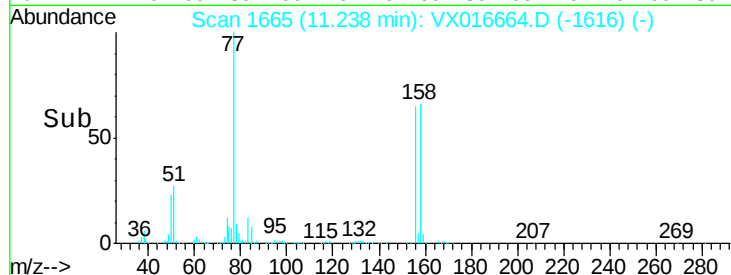
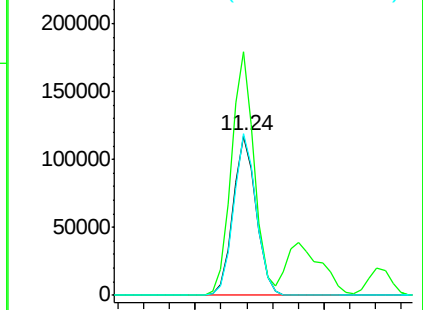
Tot Ion:	156	Resp:	146849
Ion Ratio	Lower	Upper	
156	100		
77	152.0	79.6	238.8
158	99.3	48.1	144.4

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:46:06 PM



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: 50.464 ug/l

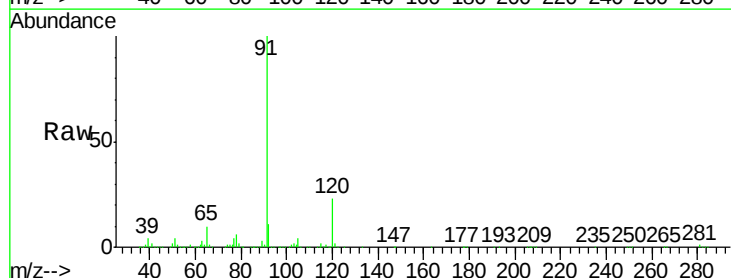
RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

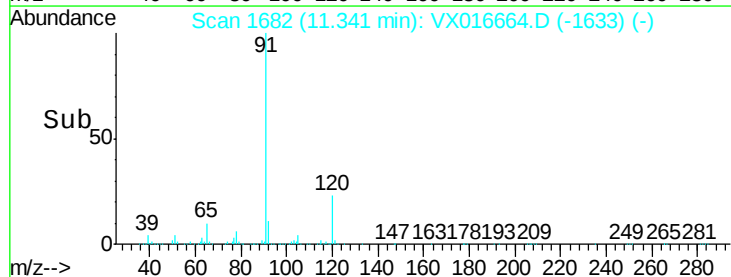
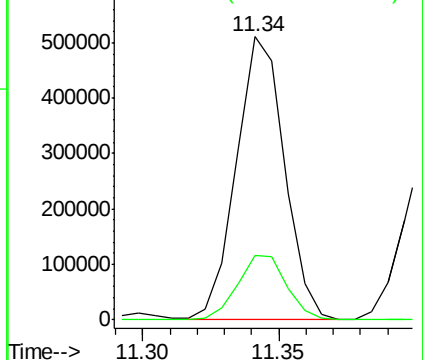
Lab File: VX016664.D

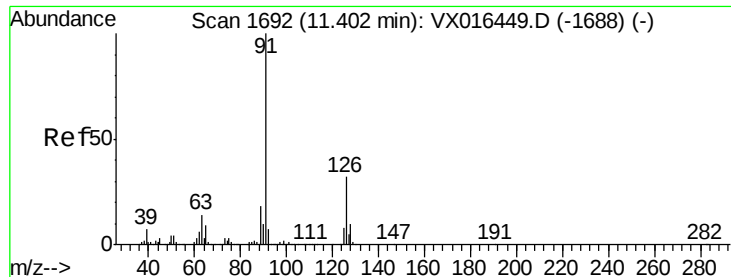
Acq: 10 Jun 2020 10:52

Tgt Ion:	91	Resp:	621312
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.6	34.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





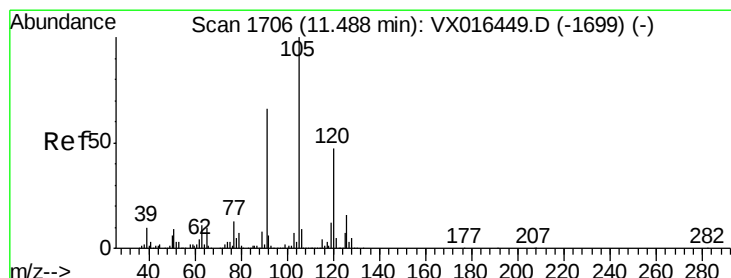
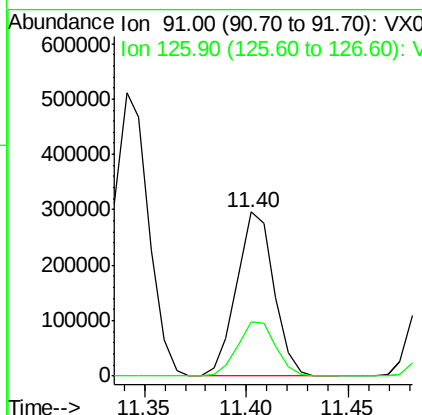
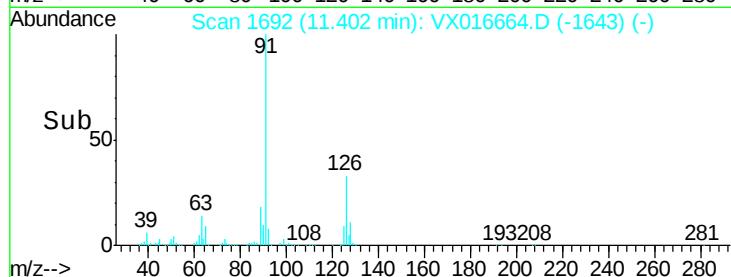
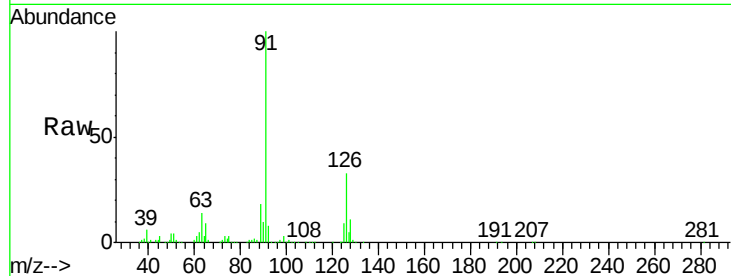
#79
2-Chlorotoluene
Concen: 49.949 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 375373
Ion Ratio Lower Upper
91 100
126 34.0 16.8 50.3

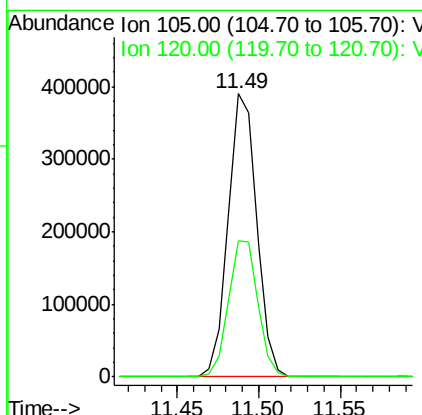
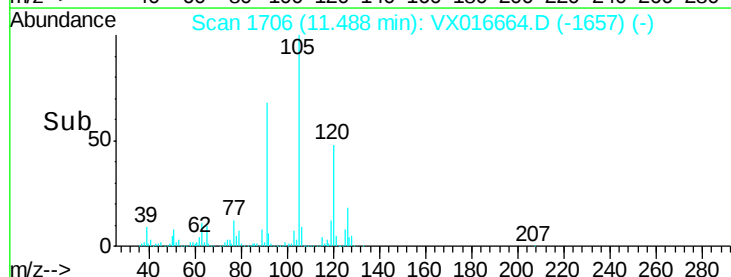
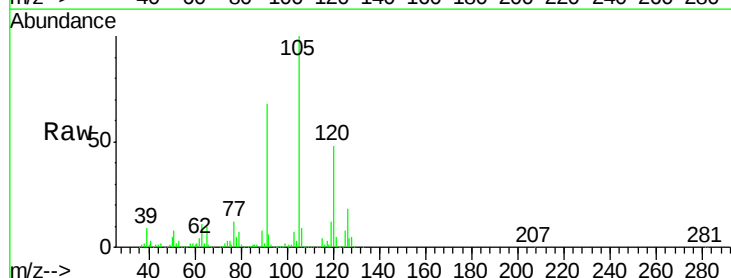
Manual Integrations
APPROVED

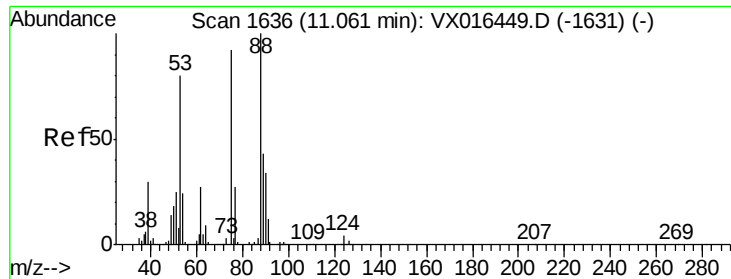
MMDadoda
6/11/2020 12:46:06 PM



#80
1,3,5-Trimethylbenzene
Concen: 51.691 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion: 105 Resp: 475645
Ion Ratio Lower Upper
105 100
120 49.2 24.3 72.8





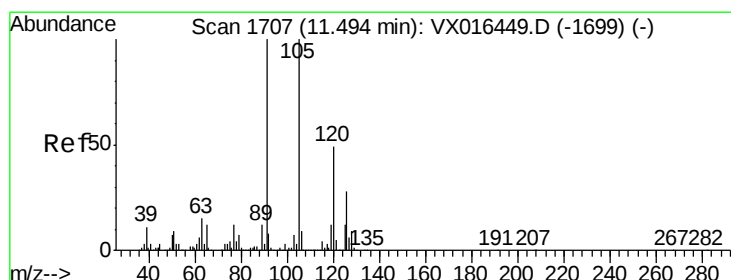
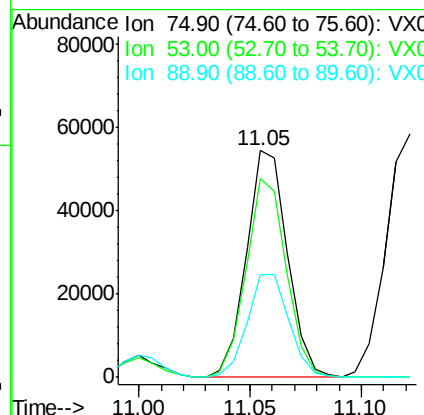
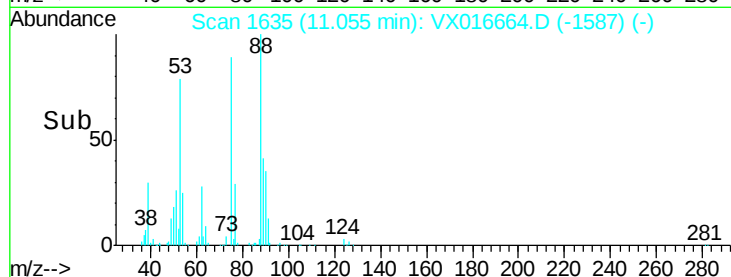
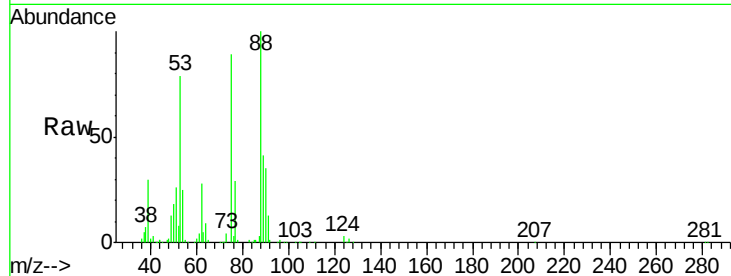
#81
trans-1,4-Dichloro-2-butene
Concen: 48.896 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.9	71.3	106.9
89	46.8	36.6	55.0

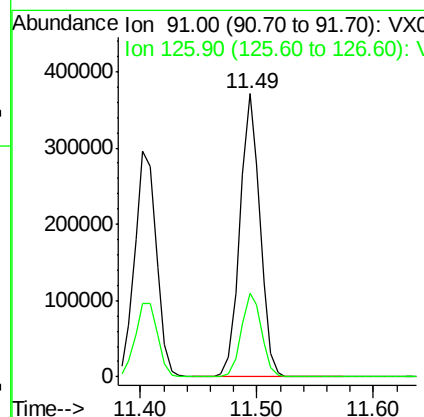
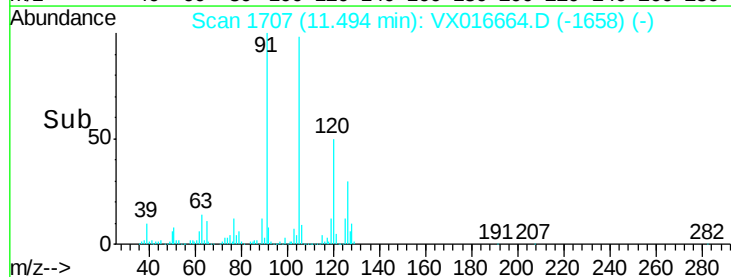
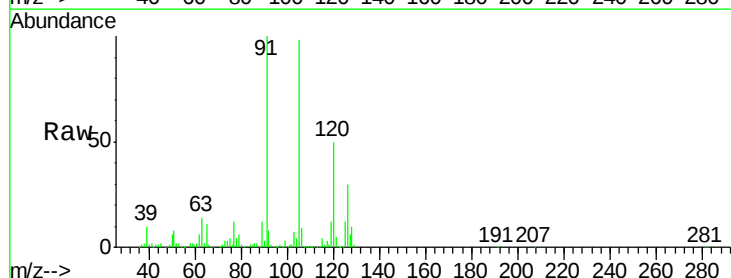
Manual Integrations
APPROVED

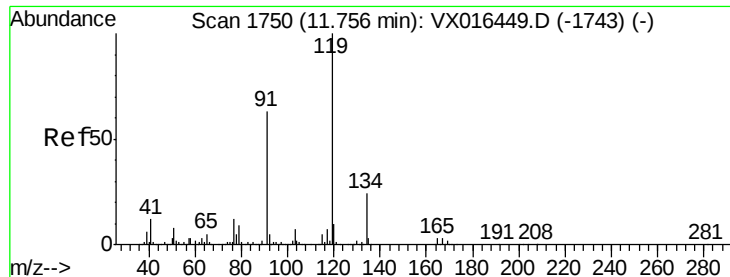
MMDadoda
6/11/2020 12:46:06 PM



#82
4-Chlorotoluene
Concen: 50.118 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.9	14.7	44.1





#83

tert-Butylbenzene

Concen: 52.009 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Instrument :

MSVOA_X

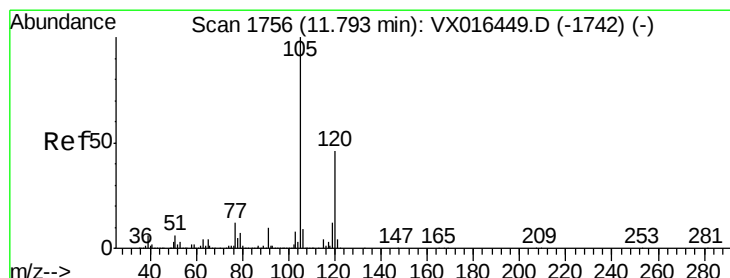
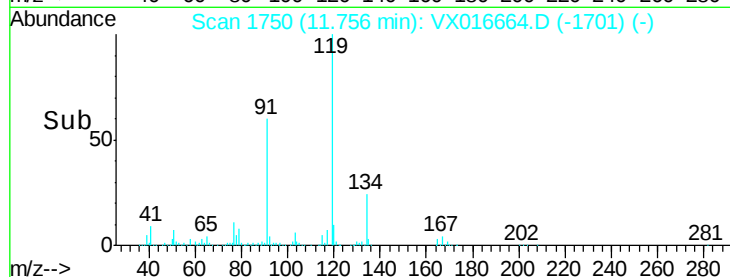
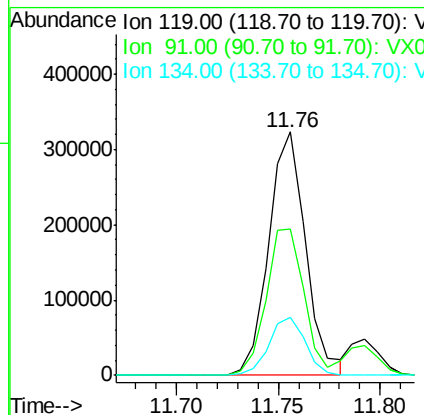
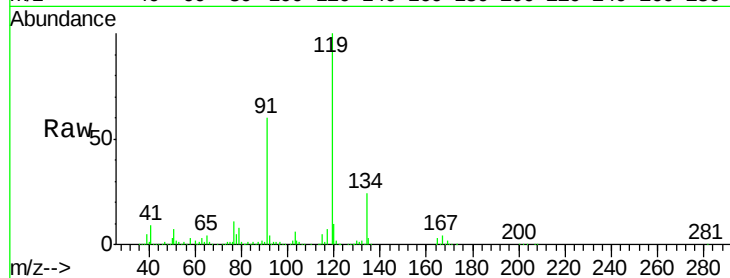
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	408914
Ion Ratio	Lower	Upper	
119	100		
91	61.3	31.3	93.8
134	23.6	12.0	36.0

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:46:06 PM



#84

1,2,4-Trimethylbenzene

Concen: 50.995 ug/l

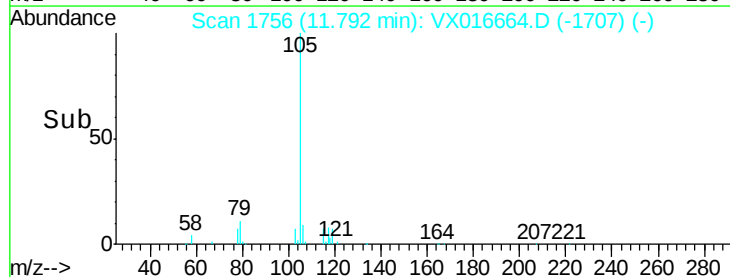
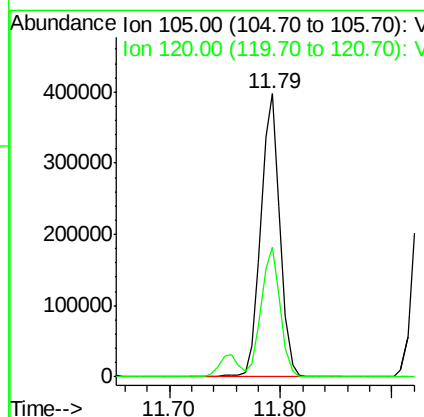
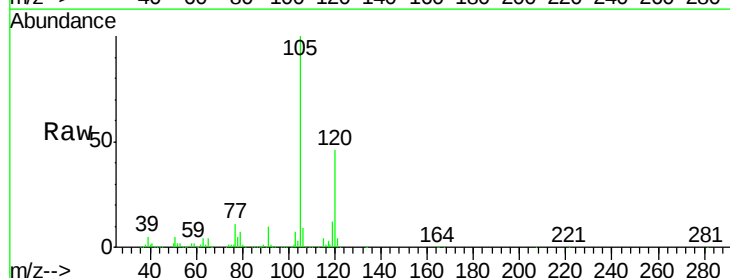
RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016664.D

Acq: 10 Jun 2020 10:52

Tgt Ion:	105	Resp:	474551
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.6	67.7





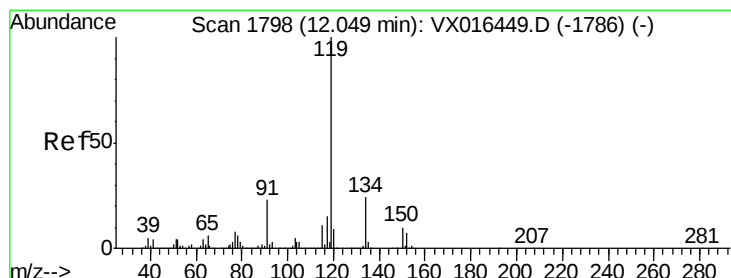
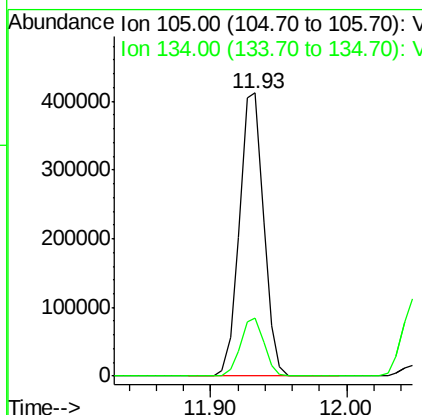
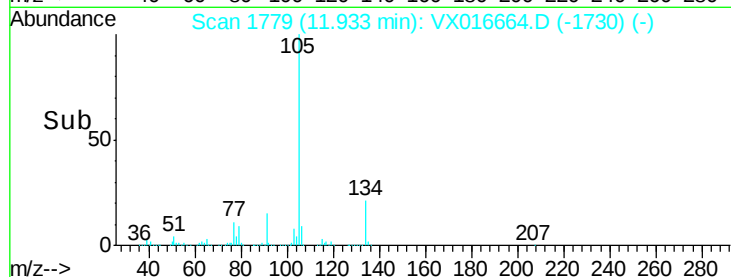
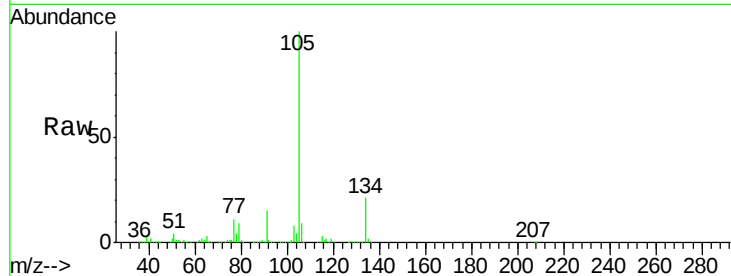
#85
 sec-Butylbenzene
 Concen: 51.907 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.3

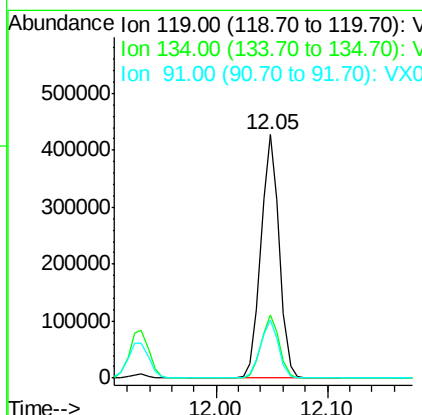
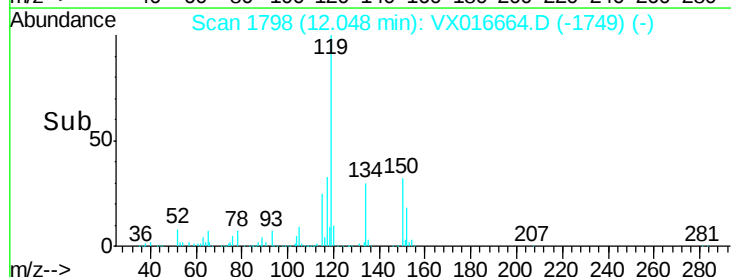
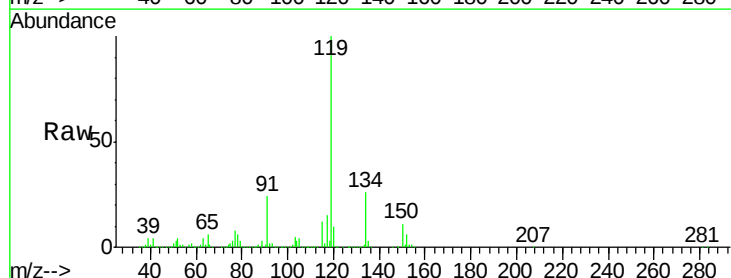
Manual Integrations
 APPROVED

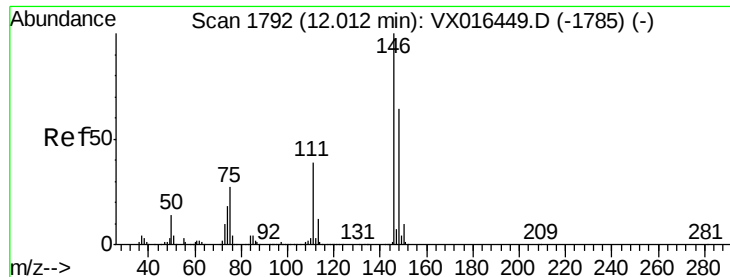
MMDadoda
 6/11/2020 12:46:06 PM



#86
 p-Isopropyltoluene
 Concen: 53.154 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.7	38.0
91	23.4	11.7	35.0





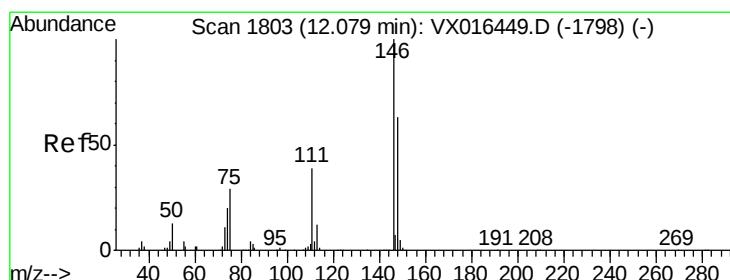
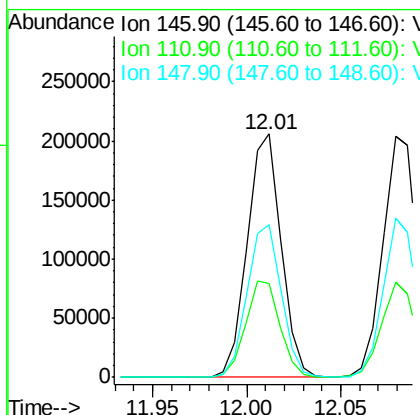
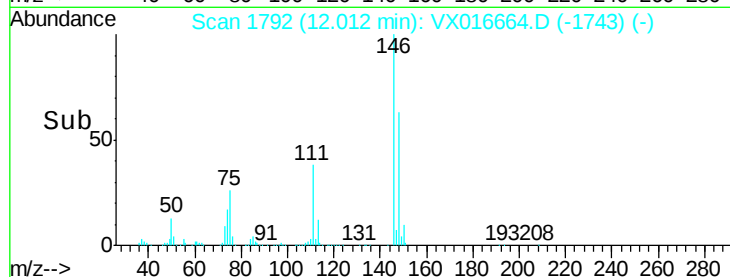
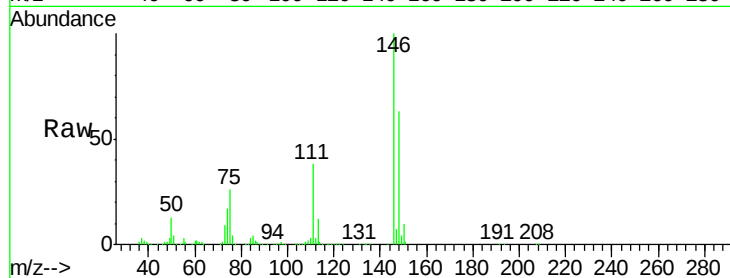
#87
 1,3-Dichlorobenzene
 Concen: 51.210 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	63.6	31.9	95.5

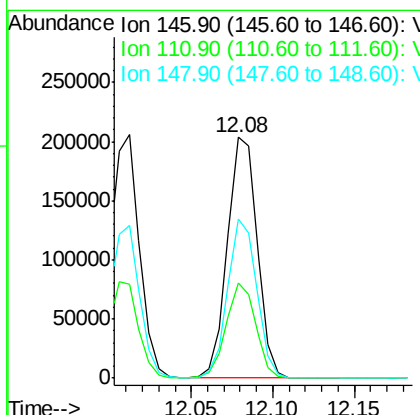
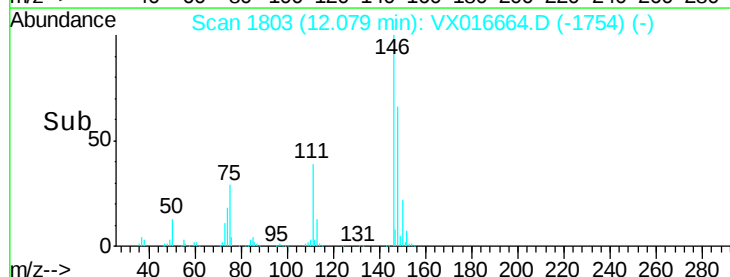
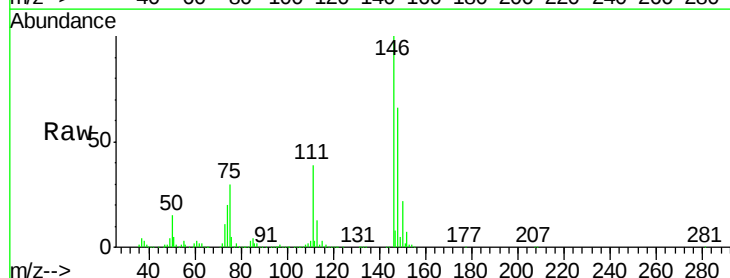
Manual Integrations
 APPROVED

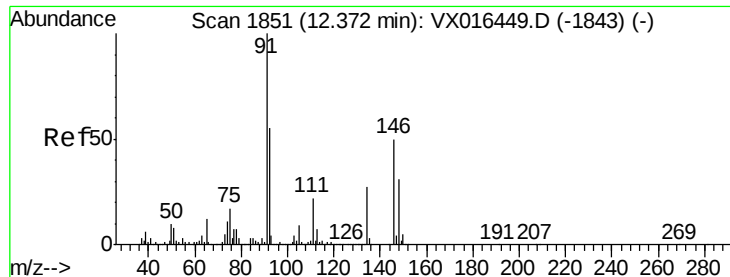
MMDadoda
 6/11/2020 12:46:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.519 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.2
148	64.5	31.4	94.3





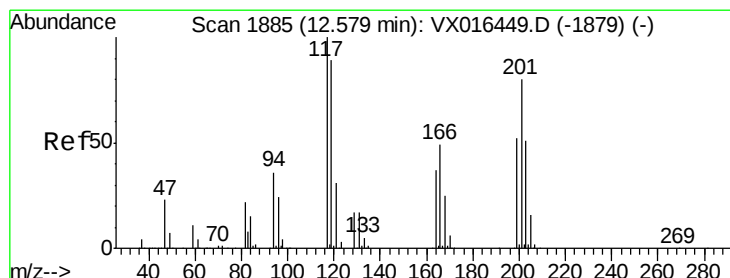
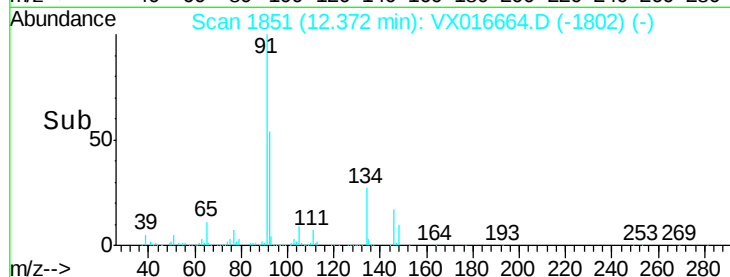
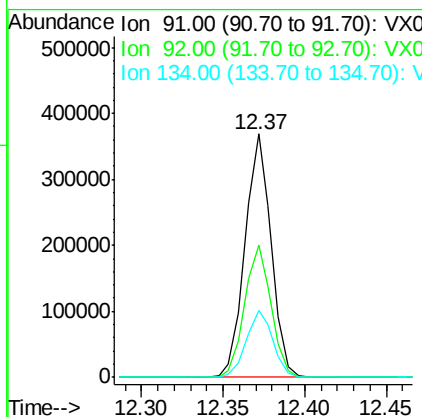
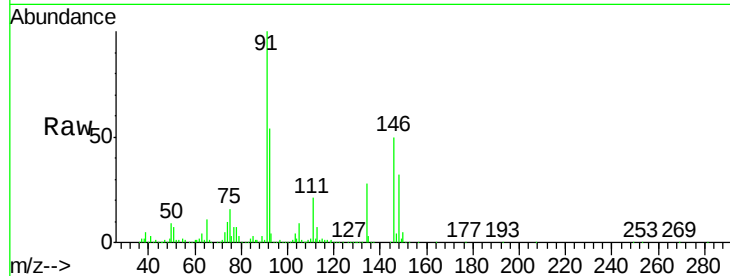
#89
n-Butylbenzene
Concen: 53.558 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.2	81.5
134	27.8	13.1	39.3

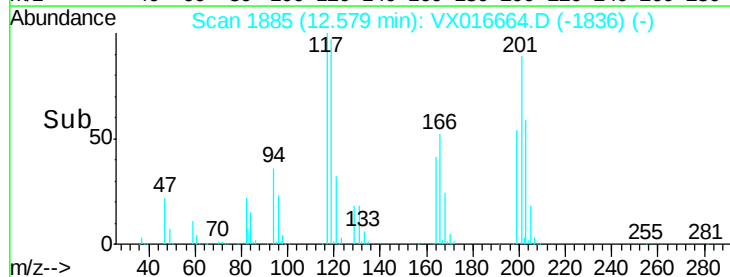
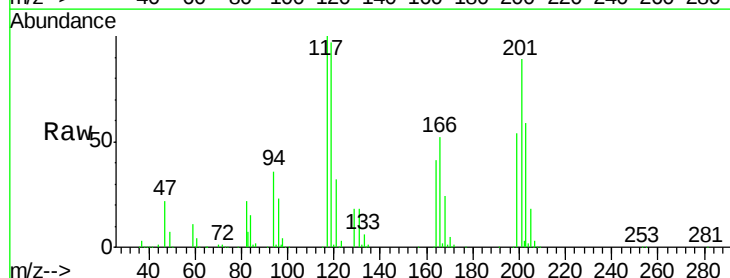
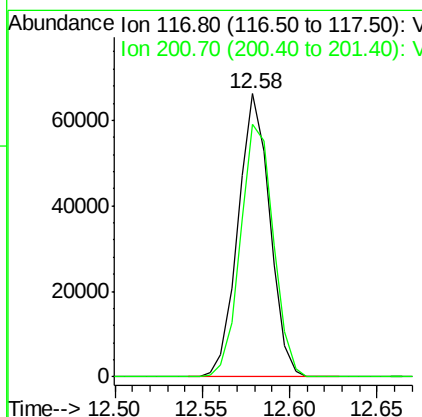
Manual Integrations
APPROVED

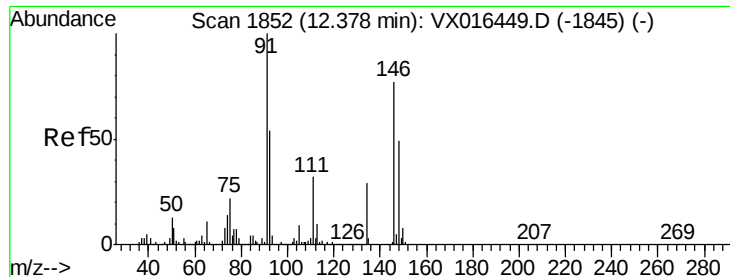
MMDadoda
6/11/2020 12:46:06 PM



#90
Hexachloroethane
Concen: 52.369 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.1	43.1	129.3





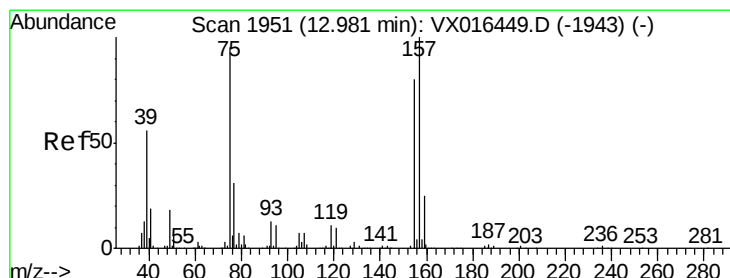
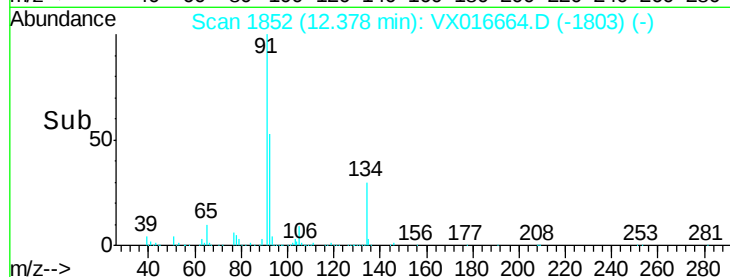
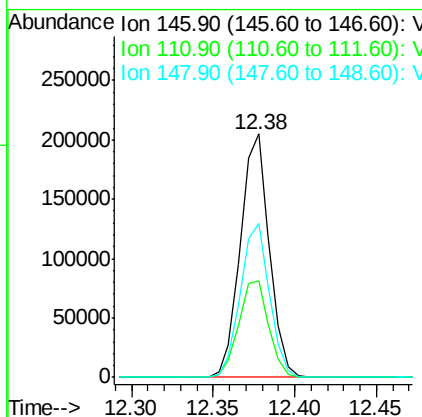
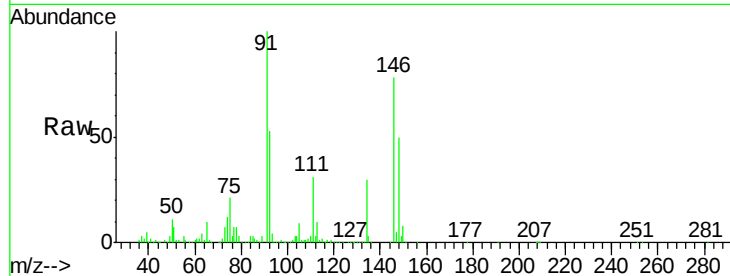
#91
 1,2-Dichlorobenzene
 Concen: 52.208 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	253285		
111	41.2	21.4	64.3	
148	63.7	31.9	95.7	

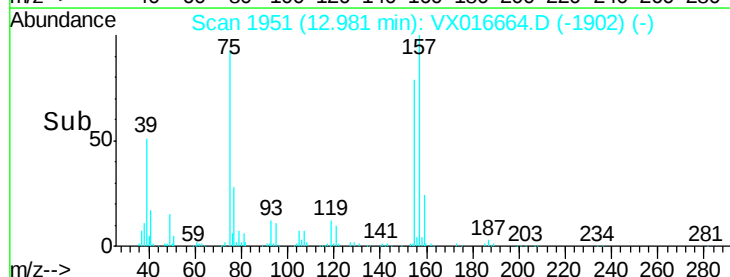
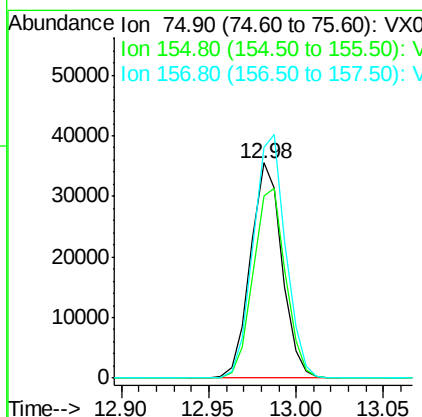
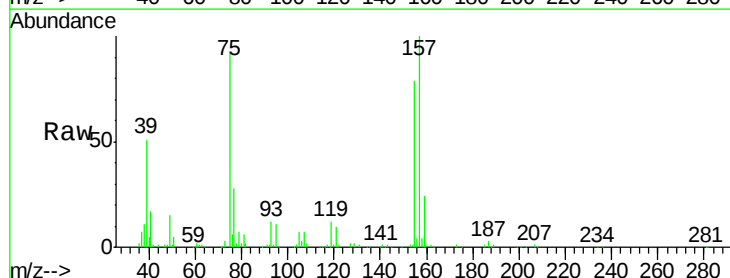
Manual Integrations
 APPROVED

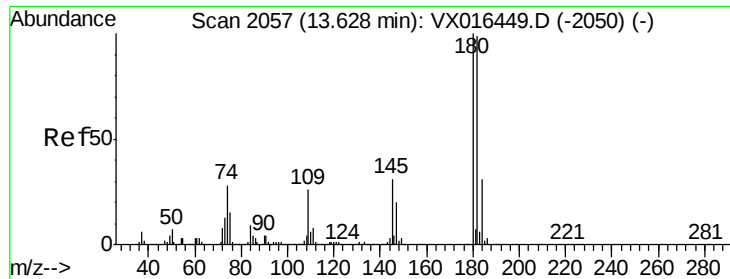
MMDadoda
 6/11/2020 12:46:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.668 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	44432		
155	90.6	44.1	132.4	
157	116.2	57.8	173.3	





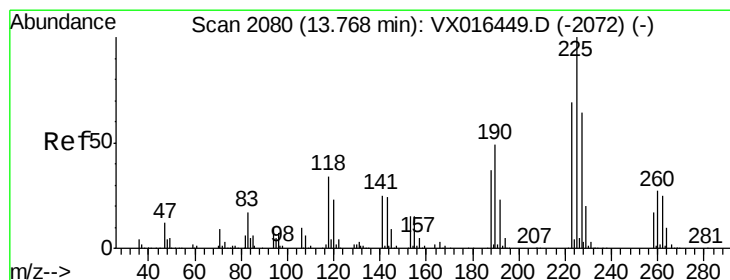
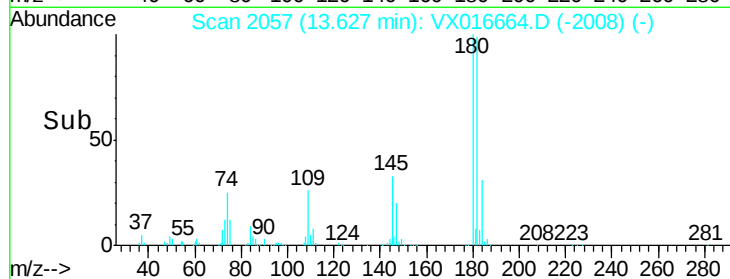
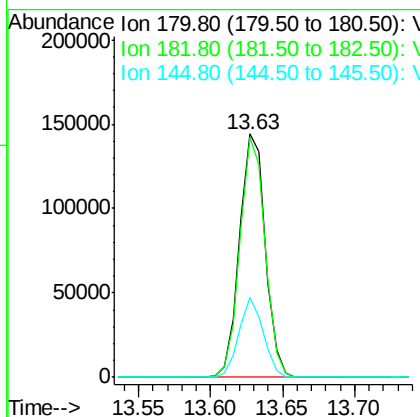
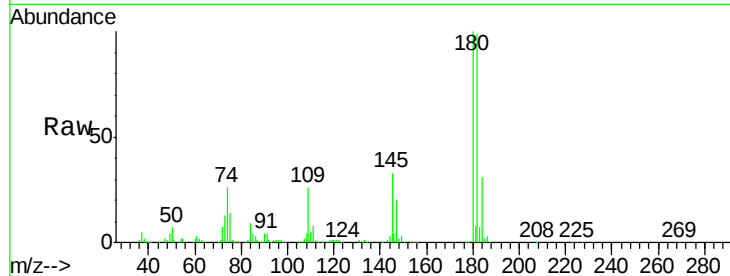
#93
 1,2,4-Trichlorobenzene
 Concen: 55.611 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	179181		
182	96.3	48.3	144.8	
145	30.9	15.4	46.2	

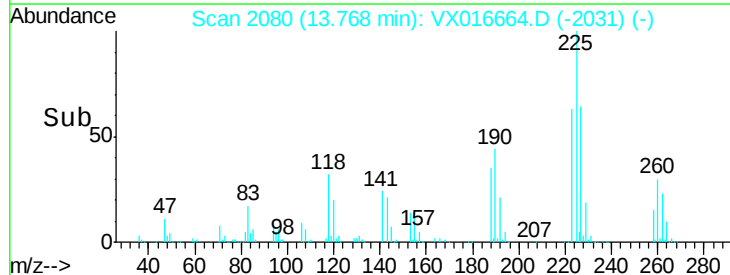
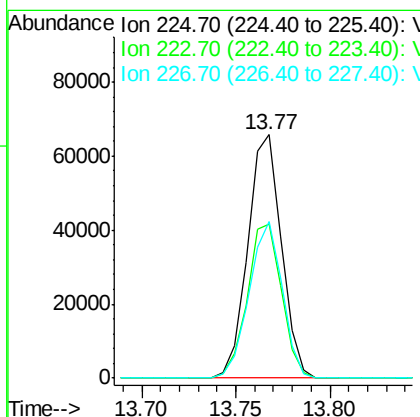
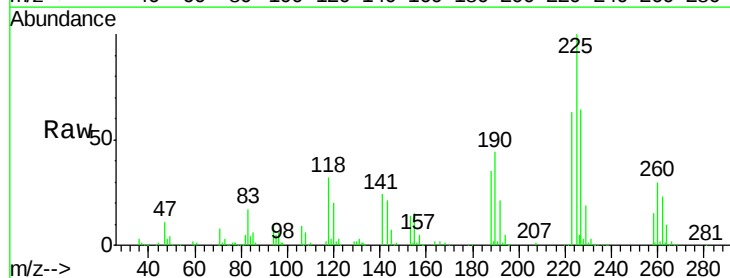
Manual Integrations
 APPROVED

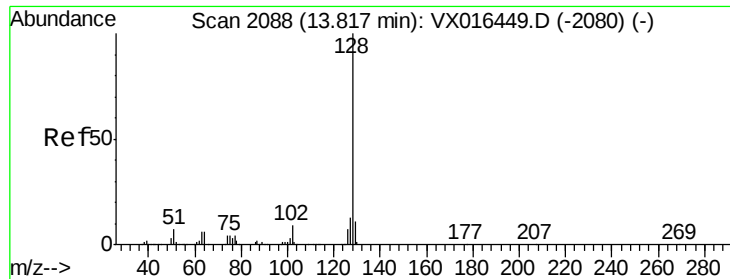
MMDadoda
 6/11/2020 12:46:06 PM



#94
 Hexachlorobutadiene
 Concen: 64.273 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016664.D
 Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	81309		
223	64.7	32.3	96.8	
227	63.4	31.6	94.7	





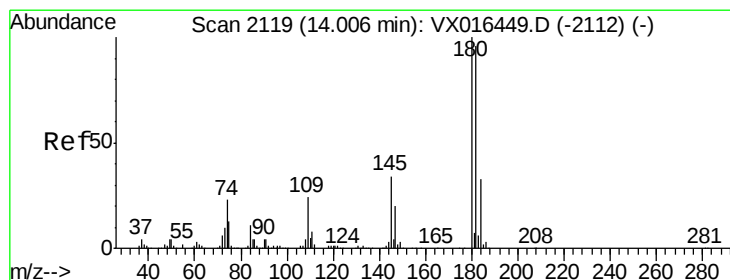
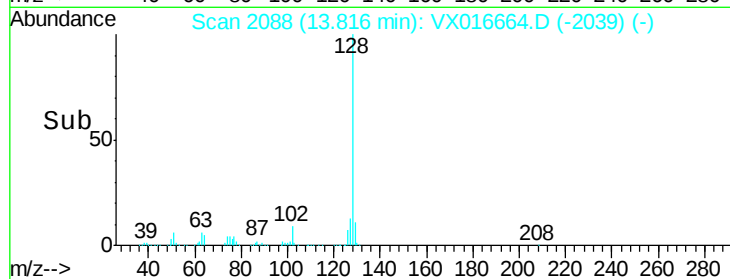
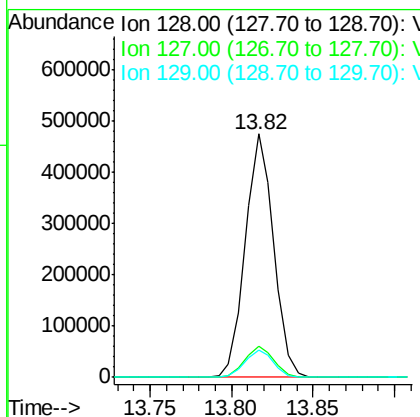
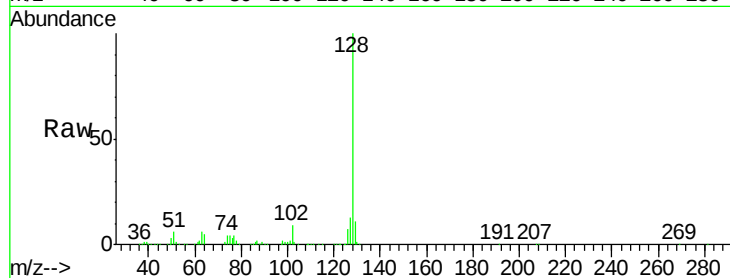
#95
Naphthalene
Concen: 52.022 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:46:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 56.358 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX016664.D
Acq: 10 Jun 2020 10:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.6	145.8
145	32.5	16.6	49.8

