

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061720\
 Data File : VX016835.D
 Acq On : 17 Jun 2020 22:14
 Operator : JC/SP
 Sample : L2984-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0563MSD

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 11:17:04 AM

Quant Time: Jun 18 03:05:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	240235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	413308	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	352630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	182190	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	140783	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
35) Dibromofluoromethane	5.47	113	116634	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	
50) Toluene-d8	8.70	98	510452	54.29	ug/l	0.00
Spiked Amount			Recovery	=	108.58%	
62) 4-Bromofluorobenzene	11.12	95	168185	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	133324	49.126	ug/l	98
3) Chloromethane	1.31	50	133006	50.718	ug/l	100
4) Vinyl Chloride	1.39	62	176391	63.036	ug/l	98
5) Bromomethane	1.62	94	87005	50.065	ug/l	97
6) Chloroethane	1.70	64	106439	61.750	ug/l	97
7) Trichlorofluoromethane	1.92	101	218281	54.161	ug/l	99
8) Diethyl Ether	2.17	74	93942	57.081	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	106865	52.118	ug/l	96
10) Methyl Iodide	2.49	142	136792	53.376	ug/l	99
11) Tert butyl alcohol	3.01	59	206381	304.020	ug/l	100
12) 1,1-Dichloroethene	2.36	96	126486	53.869	ug/l	98
13) Acrolein	2.27	56	80828	279.365	ug/l	97
14) Allyl chloride	2.70	41	182621	49.729	ug/l	96
15) Acrylonitrile	3.12	53	381085	276.653	ug/l	99
16) Acetone	2.42	43	701976	572.703	ug/l	100
17) Carbon Disulfide	2.55	76	372335	55.369	ug/l	100
18) Methyl Acetate	2.75	43	189431	57.900	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	400170	50.004	ug/l	99
20) Methylene Chloride	2.83	84	125380	47.489	ug/l	93
21) trans-1,2-Dichloroethene	3.14	96	138030	54.704	ug/l	98
22) Diisopropyl ether	3.82	45	350506	50.813	ug/l	98
23) Vinyl Acetate	3.78	43	1535386	257.526	ug/l	100
24) 1,1-Dichloroethane	3.67	63	212383	49.228	ug/l	100
25) 2-Butanone	4.64	43	4533359	2454.055	ug/l	99
26) 2,2-Dichloropropane	4.55	77	164518	41.182	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	168164	58.311	ug/l	96
28) Bromochloromethane	4.98	49	94234	51.202	ug/l	99
29) Tetrahydrofuran	5.09	42	386365	322.859	ug/l	94
30) Chloroform	5.18	83	221917	48.620	ug/l	95
31) Cyclohexane	5.55	56	157221	45.322	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	202160	48.811	ug/l	99
36) 1,1-Dichloropropene	5.77	75	160325	43.894	ug/l	100
37) Ethyl Acetate	4.80	43	202505	50.627	ug/l	99
38) Carbon Tetrachloride	5.75	117	178924	43.134	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX061720\
 Data File : VX016835.D
 Acq On : 17 Jun 2020 22:14
 Operator : JC/SP
 Sample : L2984-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 S49-0563MSD

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 11:17:04 AM

Quant Time: Jun 18 03:05:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	165301	39.237	ug/l	97
40) Benzene	6.11	78	510653	45.919	ug/l	98
41) Methacrylonitrile	5.00	41	99929	46.854	ug/l	97
42) 1,2-Dichloroethane	6.17	62	190859	47.023	ug/l	99
43) Isopropyl Acetate	6.41	43	392791	62.656	ug/l	99
44) Trichloroethene	7.19	130	160261	46.589	ug/l	99
45) 1,2-Dichloropropane	7.49	63	134129	49.202	ug/l	95
46) Dibromomethane	7.64	93	96495	48.566	ug/l	99
47) Bromodichloromethane	7.88	83	198171	47.841	ug/l	100
48) Methyl methacrylate	7.74	41	166400	56.003	ug/l	98
49) 1,4-Dioxane	7.71	88	94850	1289.939	ug/l	94
51) 4-Methyl-2-Pentanone	8.62	43	1228171	317.930	ug/l	99
52) Toluene	8.76	92	391453	54.191	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	207699	44.393	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	256826	52.626	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	134000	46.128	ug/l	99
56) Ethyl methacrylate	9.16	69	215860	49.629	ug/l	99
57) 1,3-Dichloropropane	9.35	76	224190	45.910	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	545043	254.863	ug/l	98
59) 2-Hexanone	9.48	43	822376	275.769	ug/l	99
60) Dibromochloromethane	9.57	129	157479	45.868	ug/l	100
61) 1,2-Dibromoethane	9.65	107	148486	46.901	ug/l	99
64) Tetrachloroethene	9.32	164	143474	42.371	ug/l	96
65) Chlorobenzene	10.12	112	359473	50.239	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	141316	49.508	ug/l	97
67) Ethyl Benzene	10.24	91	612374	50.626	ug/l	100
68) m/p-Xylenes	10.34	106	469192	102.303	ug/l	100
69) o-Xylene	10.68	106	225360	51.005	ug/l	99
70) Styrene	10.70	104	401120	52.516	ug/l	99
71) Bromoform	10.84	173	130629	53.637	ug/l #	98
73) Isopropylbenzene	11.00	105	590267	49.376	ug/l	100
74) N-amyl acetate	10.88	43	267552	57.584	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.25	83	196697	55.934	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	197795m	51.625	ug/l	
77) Bromobenzene	11.24	156	164959	48.871	ug/l	100
78) n-propylbenzene	11.34	91	657782	50.667	ug/l	99
79) 2-Chlorotoluene	11.40	91	404901	49.321	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	558020	55.683	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	75022	49.295	ug/l	97
82) 4-Chlorotoluene	11.49	91	531583	55.319	ug/l	100
83) tert-Butylbenzene	11.76	119	470148	51.272	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	523681	51.658	ug/l	99
85) sec-Butylbenzene	11.93	105	529458	49.362	ug/l	100
86) p-Isopropyltoluene	12.05	119	512179	49.767	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	285092	49.959	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	289857	48.980	ug/l	99
89) n-Butylbenzene	12.37	91	412541	48.558	ug/l	99
90) Hexachloroethane	12.58	117	90725	47.805	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	278851	48.864	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	56954	57.915	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061720\
Data File : VX016835.D
Acq On : 17 Jun 2020 22:14
Operator : JC/SP
Sample : L2984-03MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

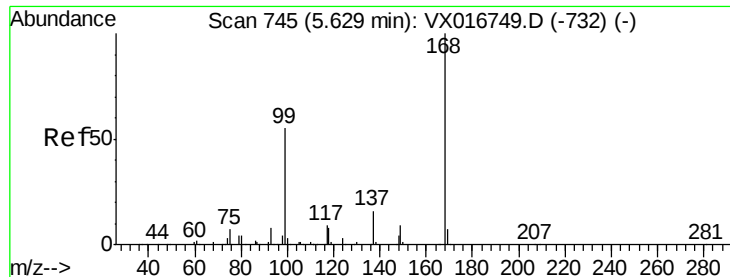
Manual Integrations
APPROVED

MMDadoda
6/18/2020 11:17:04 AM

Quant Time: Jun 18 03:05:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	213822	53.504	ug/l	99
94) Hexachlorobutadiene	13.76	225	92210	52.415	ug/l	98
95) Naphthalene	13.82	128	818916	65.410	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	228469	58.084	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0563MSD

Tot Ion:168 Resp: 240235

Ion Ratio Lower Upper

168 100

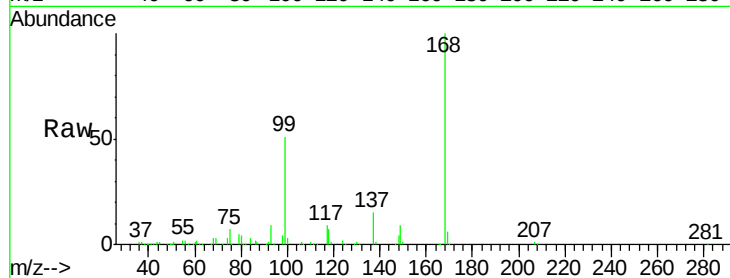
99 51.0 43.8 65.6

Manual Integrations

APPROVED

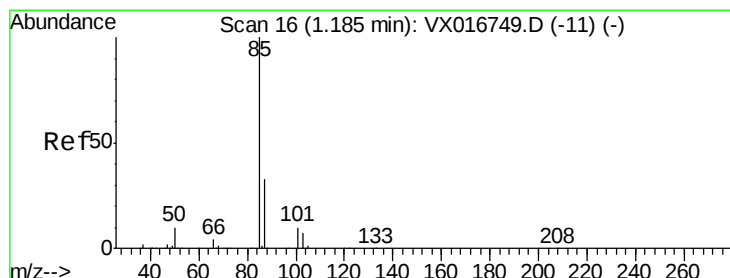
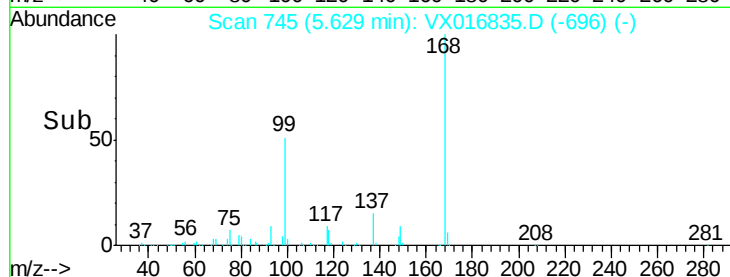
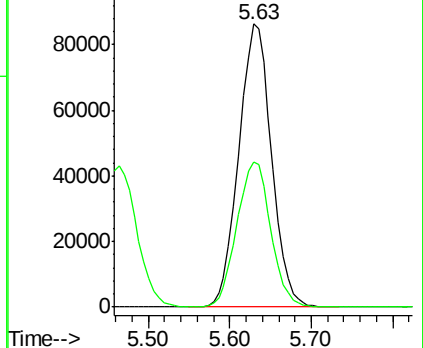
MMDadoda

6/18/2020 11:17:04 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 49.126 ug/l

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX016835.D

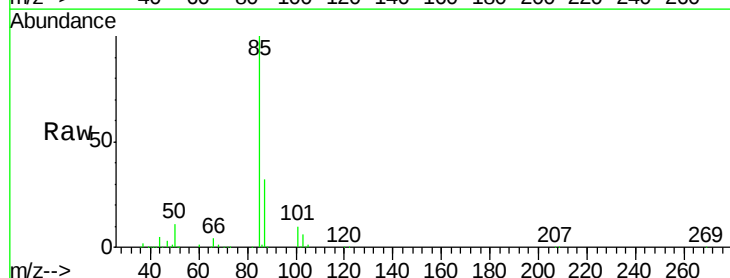
Acq: 17 Jun 2020 22:14

Tgt Ion: 85 Resp: 133324

Ion Ratio Lower Upper

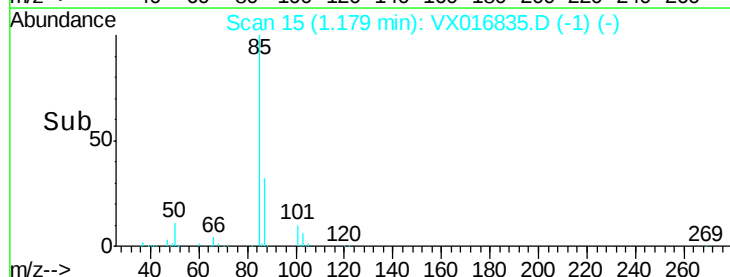
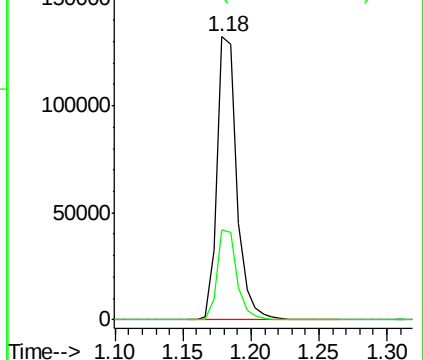
85 100

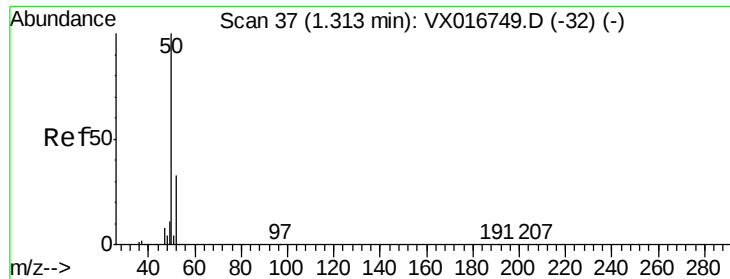
87 31.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 50.718 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0563MSD

Tot Ion: 50 Resp: 133006

Ion Ratio Lower Upper

50 100

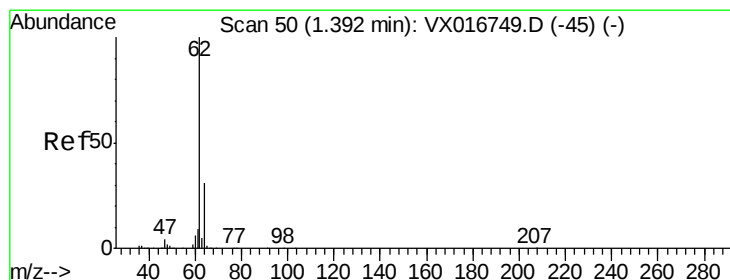
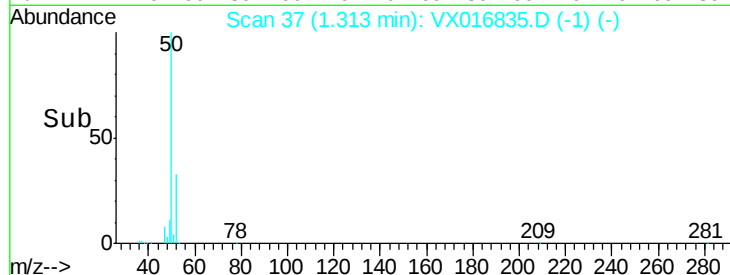
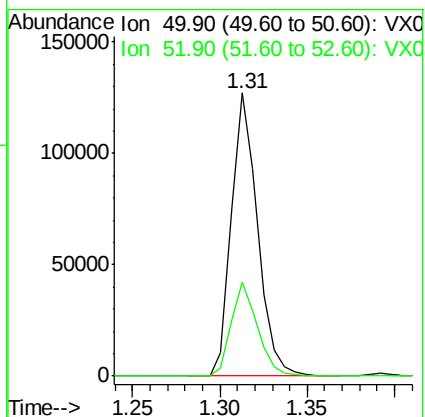
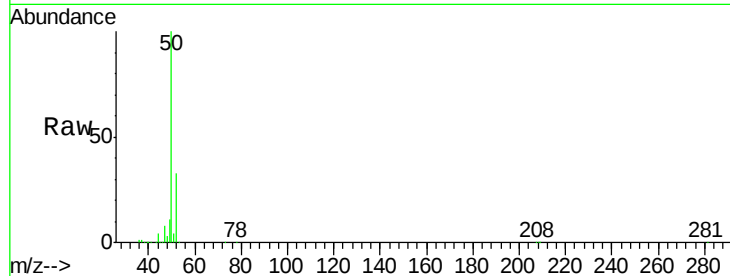
52 33.4 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

6/18/2020 11:17:04 AM



#4

Vinyl Chloride

Concen: 63.036 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016835.D

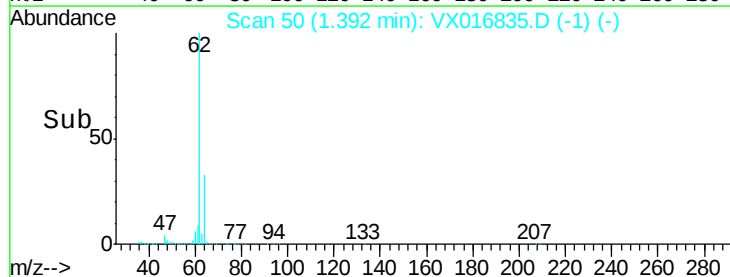
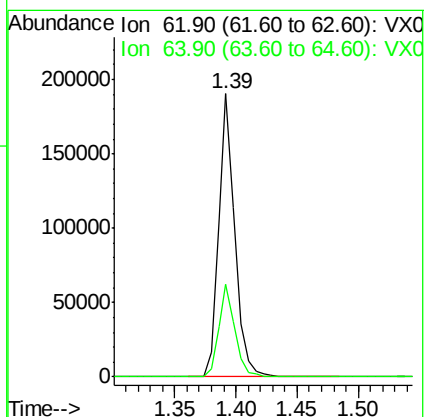
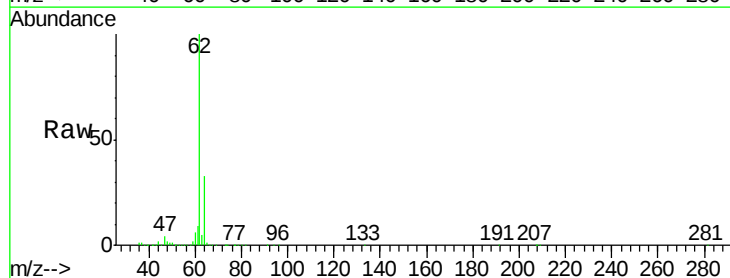
Acq: 17 Jun 2020 22:14

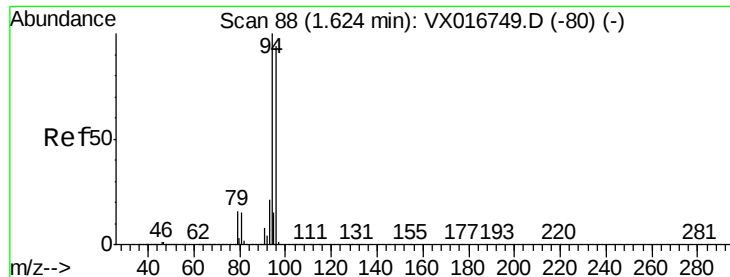
Tgt Ion: 62 Resp: 176391

Ion Ratio Lower Upper

62 100

64 32.8 25.1 37.7





#5

Bromomethane

Concen: 50.065 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0563MSD

Tot Ion: 94 Resp: 87005

Ion Ratio Lower Upper

94 100

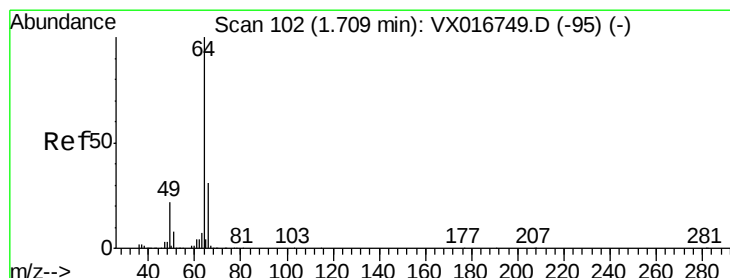
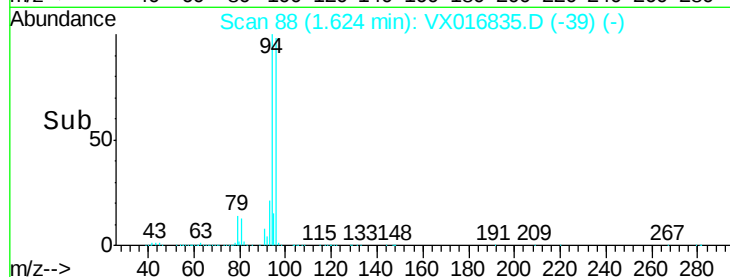
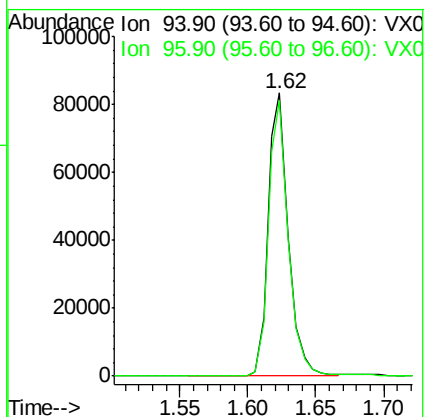
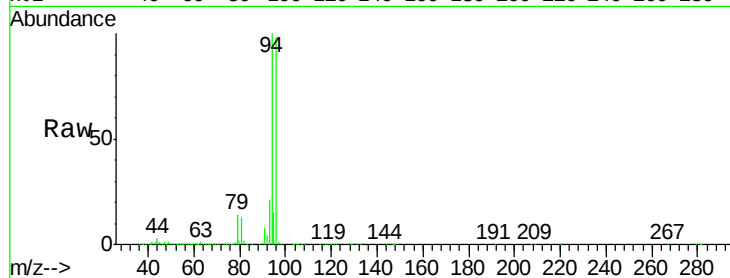
96 97.4 75.4 113.0

Manual Integrations

APPROVED

MMDadoda

6/18/2020 11:17:04 AM



#6

Chloroethane

Concen: 61.750 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX016835.D

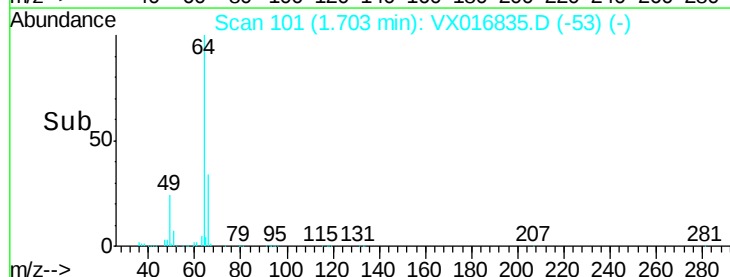
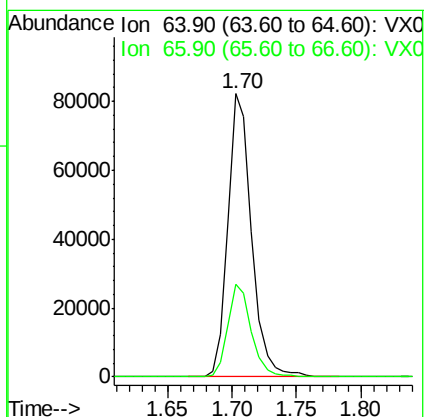
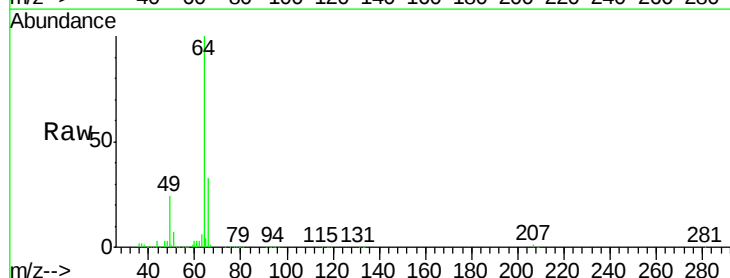
Acq: 17 Jun 2020 22:14

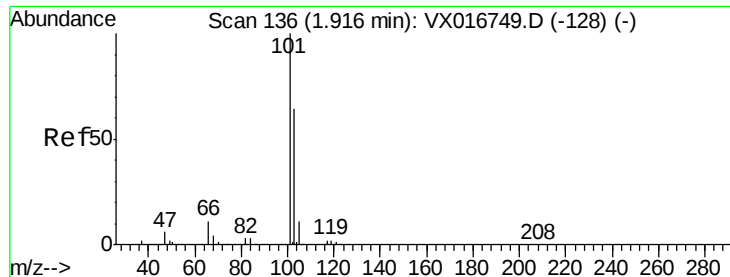
Tgt Ion: 64 Resp: 106439

Ion Ratio Lower Upper

64 100

66 32.8 25.0 37.6





#7

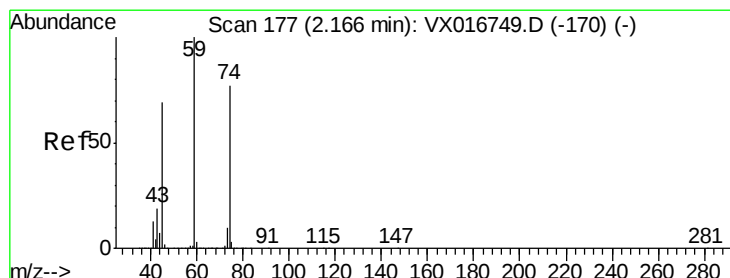
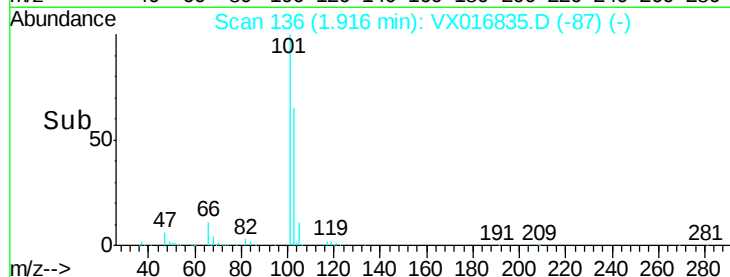
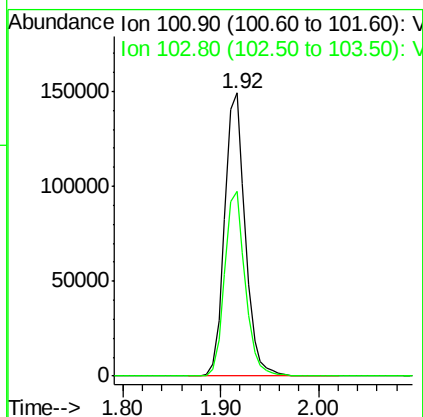
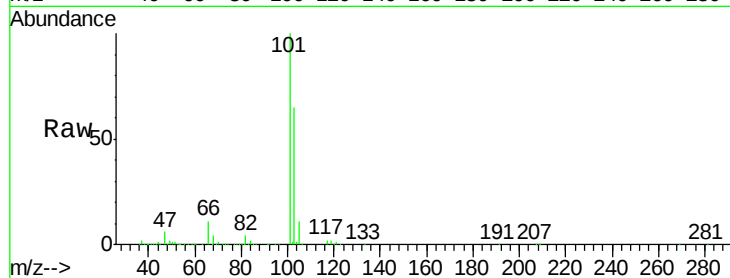
Trichlorofluoromethane
Concen: 54.161 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	218281		
103	65.1	51.3	76.9	

Manual Integrations
APPROVED

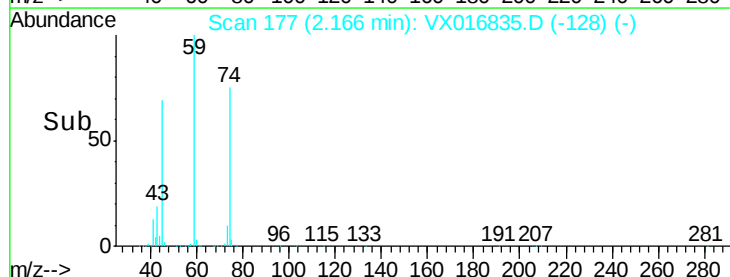
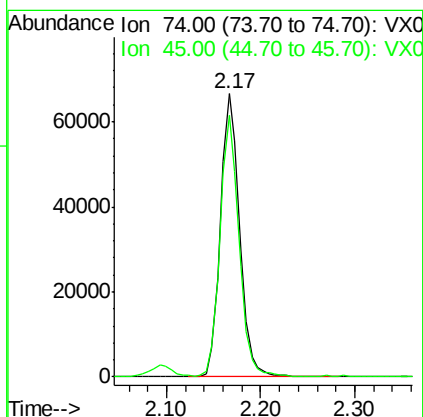
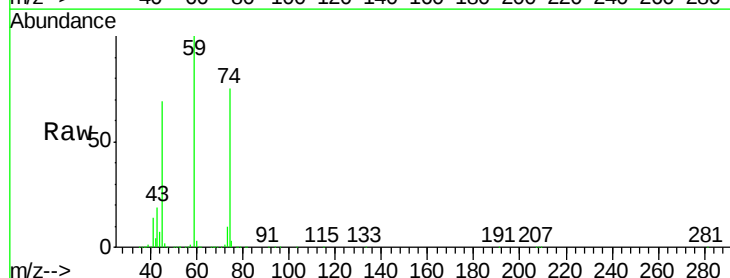
MMDadoda
6/18/2020 11:17:04 AM

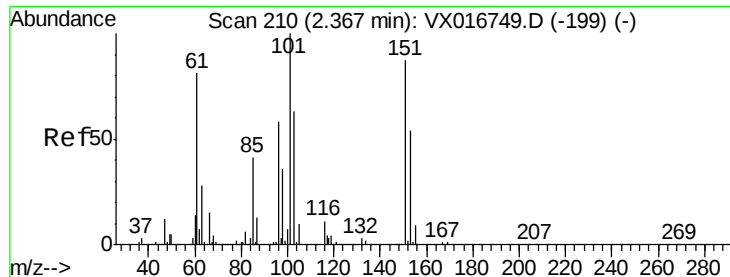


#8

Diethyl Ether
Concen: 57.081 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	93942		
45	90.6	43.5	130.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.118 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

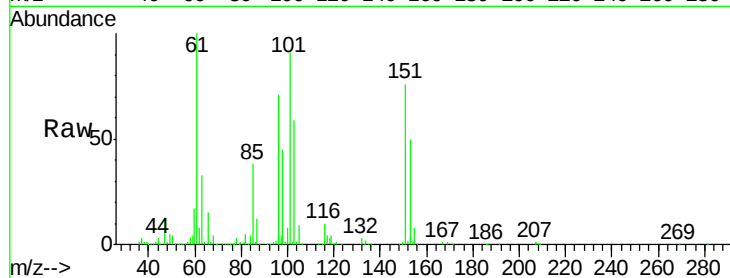
ClientSampleId :

S49-0563MSD

Tot Ion:	101	Resp:	106865
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.0	51.0
151	81.1	68.7	103.1

Manual Integrations
APPROVED

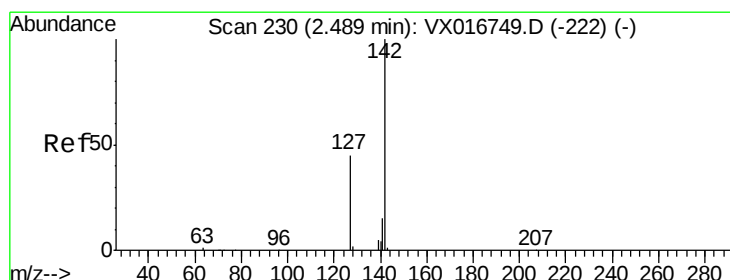
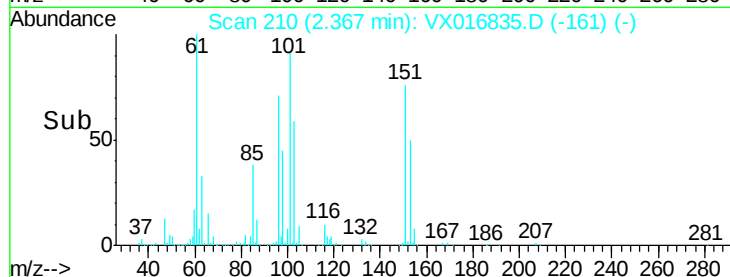
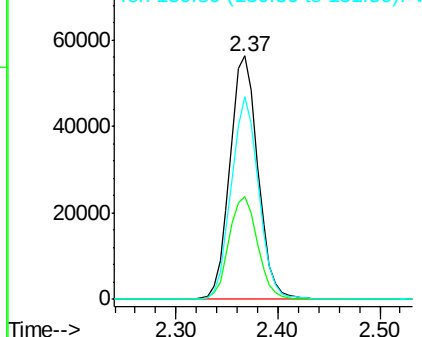
MMDadoda
6/18/2020 11:17:04 AM



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: 53.376 ug/l

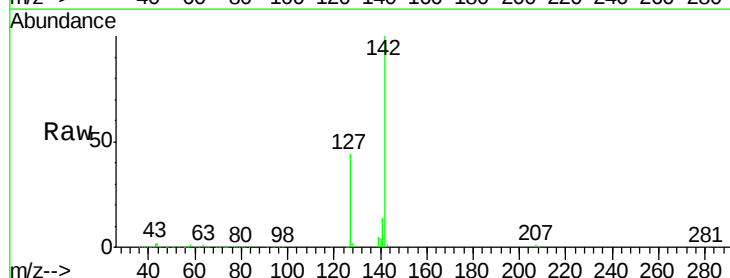
RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

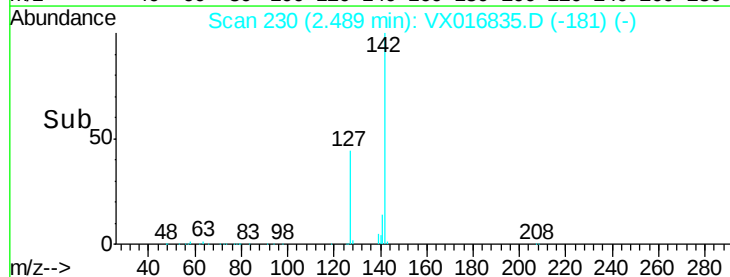
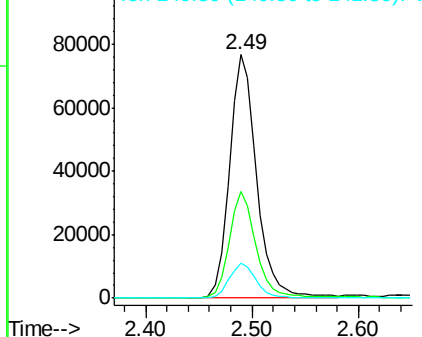
Tgt Ion:	142	Resp:	136792
Ion Ratio	Lower	Upper	
142	100		
127	43.2	35.4	53.2
141	14.3	11.7	17.5

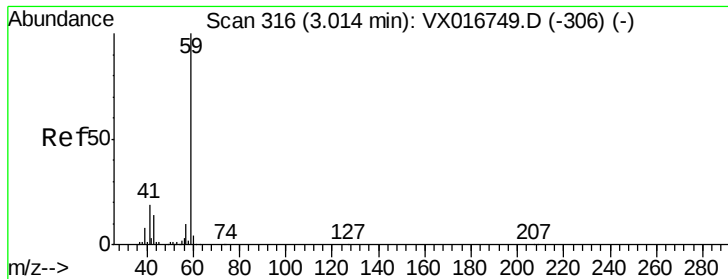


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

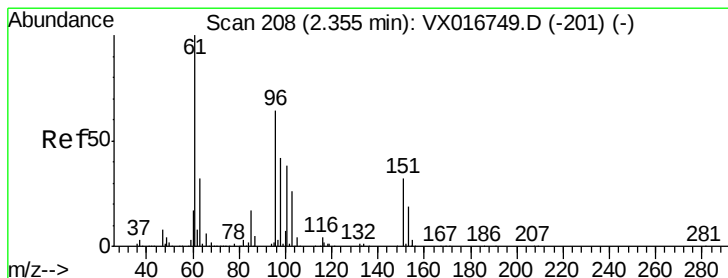
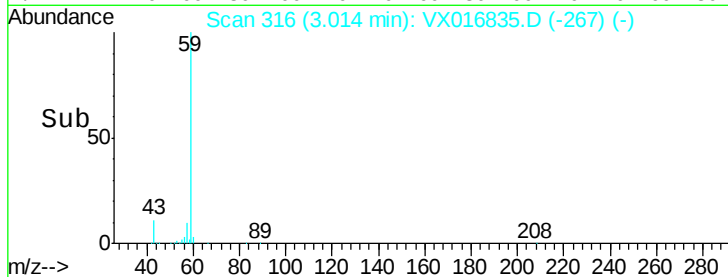
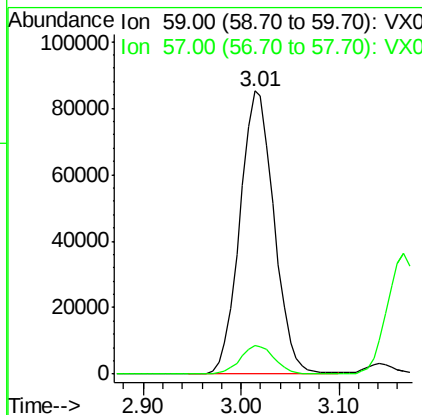
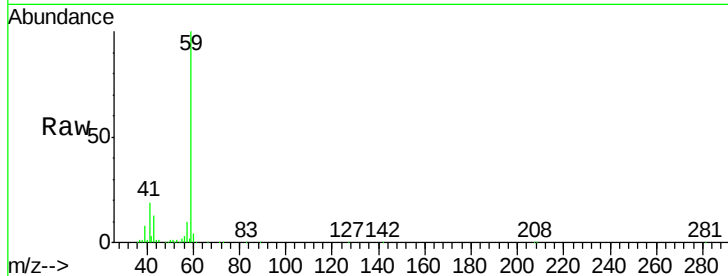
Tert butyl alcohol
 Concen: 304.020 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VX016835.D
 Acq: 17 Jun 2020 22:14

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0563MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
 APPROVED

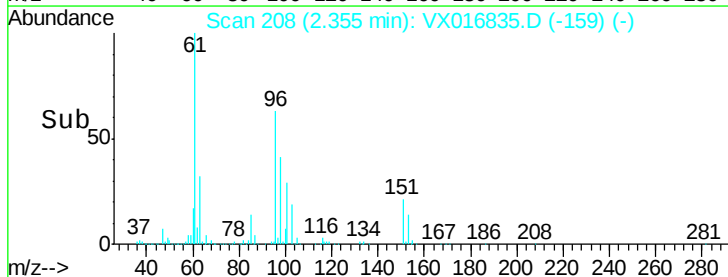
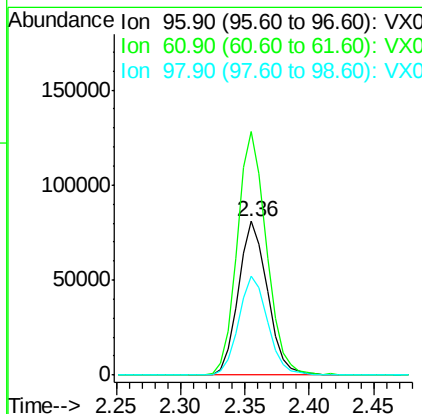
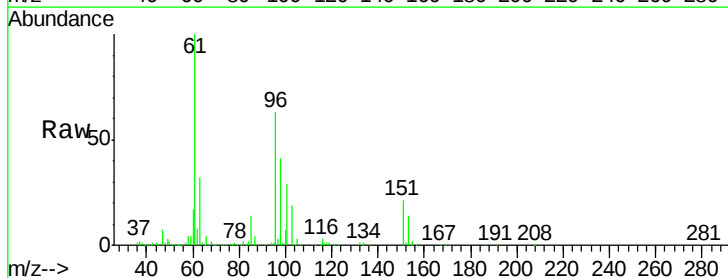
MMDadoda
 6/18/2020 11:17:04 AM

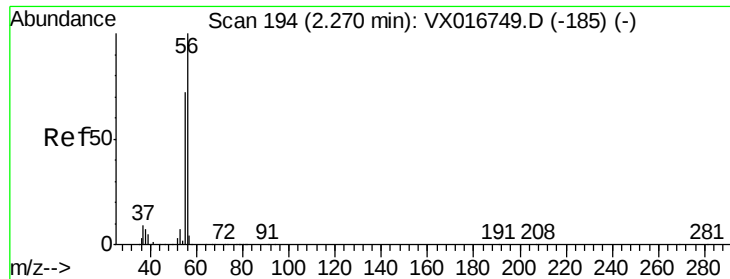


#12

1,1-Dichloroethene
 Concen: 53.869 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016835.D
 Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	124.1	186.1
98	64.7	52.7	79.1





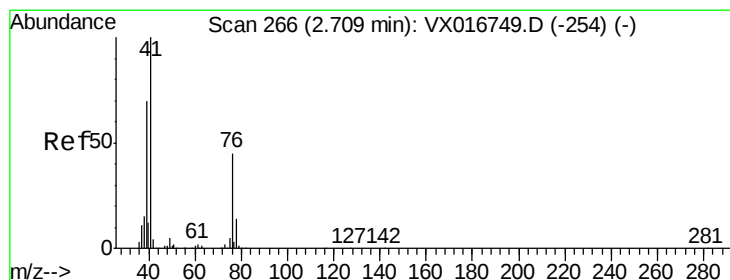
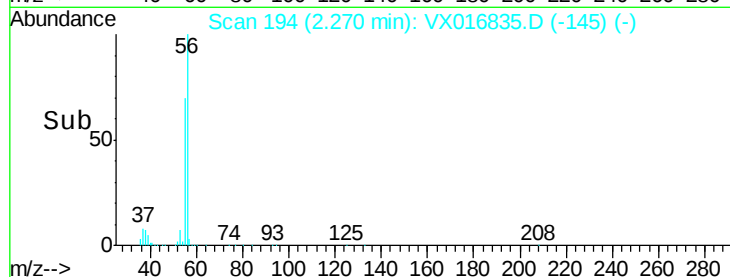
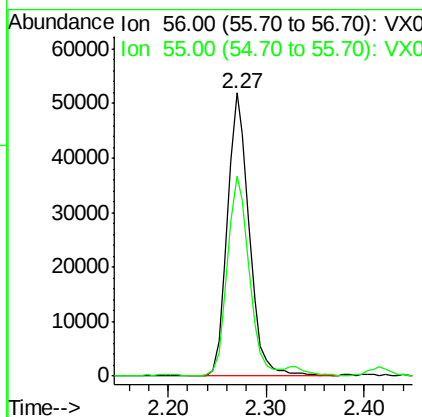
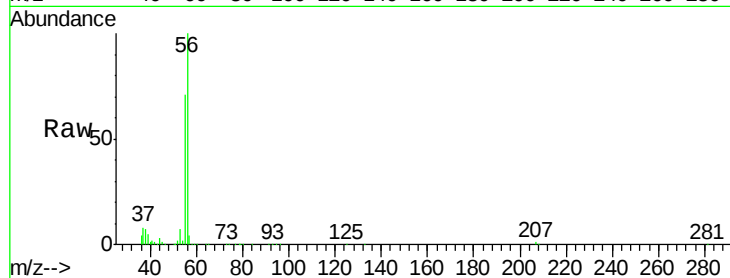
#13
Acrolein
Concen: 279.365 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion	56	Resp	80828
Ion Ratio	100	Lower	Upper
55	70.1	58.2	87.4

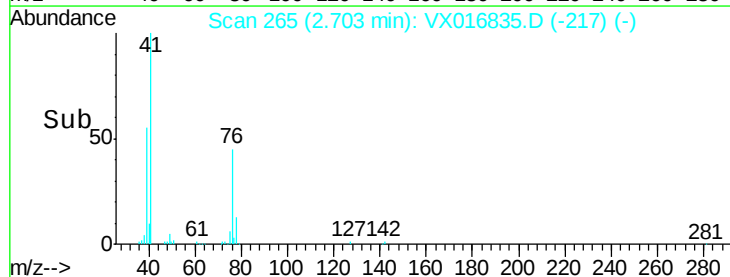
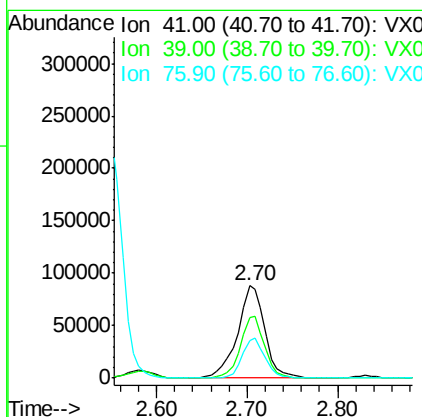
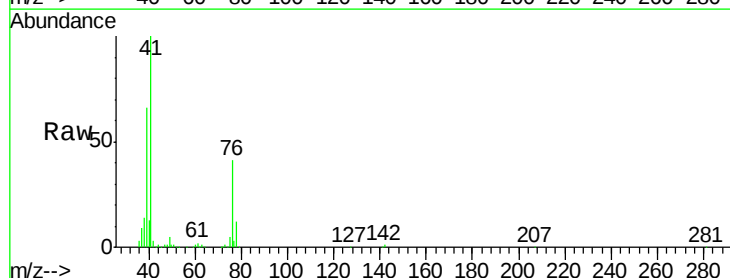
Manual Integrations
APPROVED

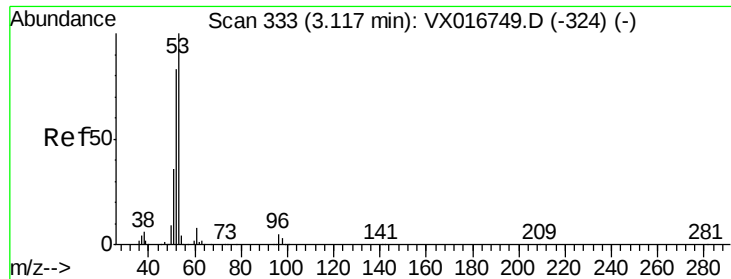
MMDadoda
6/18/2020 11:17:04 AM



#14
Allyl chloride
Concen: 49.729 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion	41	Resp	182621
Ion Ratio	100	Lower	Upper
39	59.2	50.2	75.4
76	36.1	30.4	45.6





#15

Acrylonitrile

Concen: 276.653 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

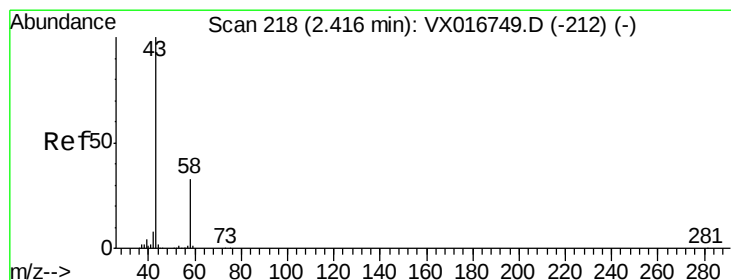
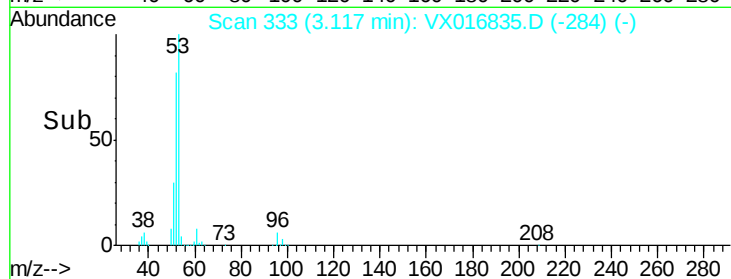
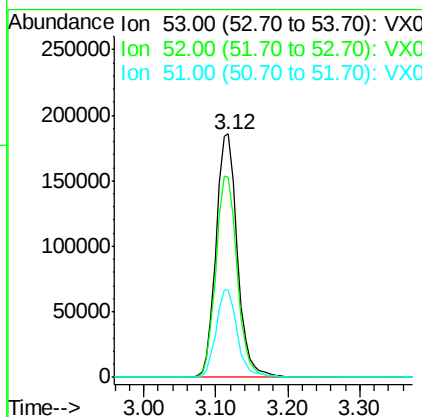
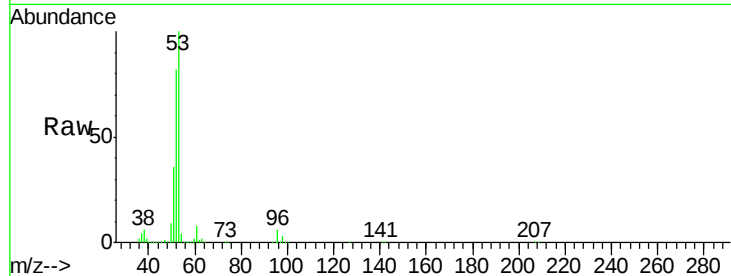
ClientSampleId :

S49-0563MSD

Tot Ion:	53	Resp:	381085
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.5	98.3
51	35.9	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
6/18/2020 11:17:04 AM



#16

Acetone

Concen: 572.703 ug/l

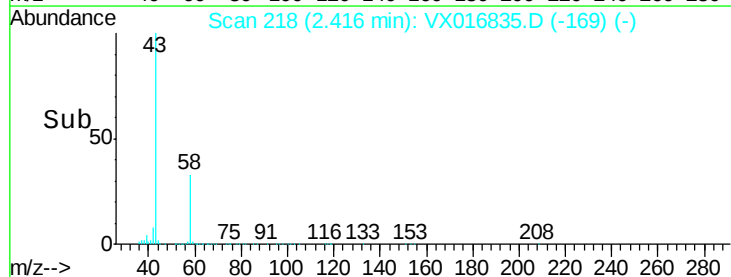
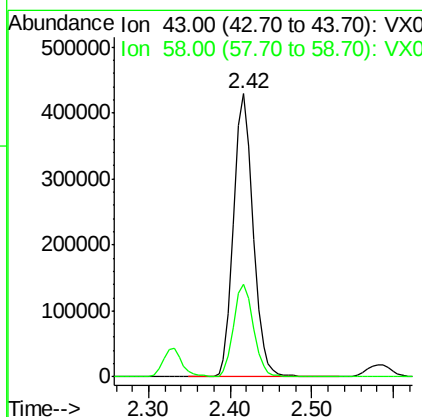
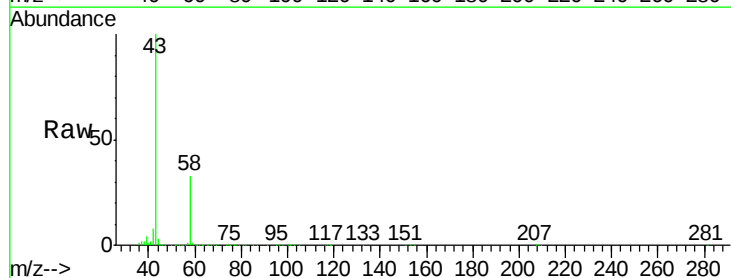
RT: 2.42 min Scan# 218

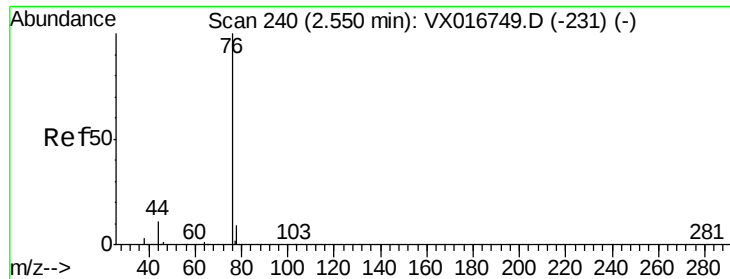
Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Tgt Ion:	43	Resp:	701976
Ion Ratio	Lower	Upper	
43	100		
58	32.6	26.3	39.5





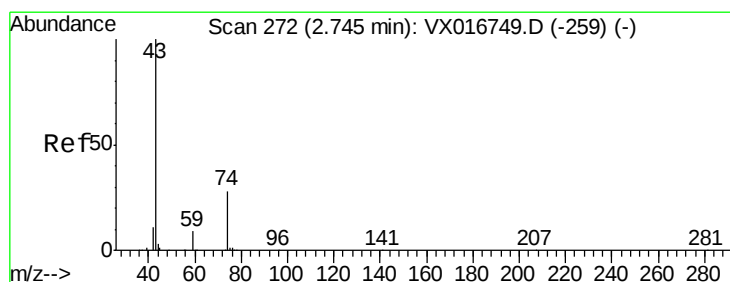
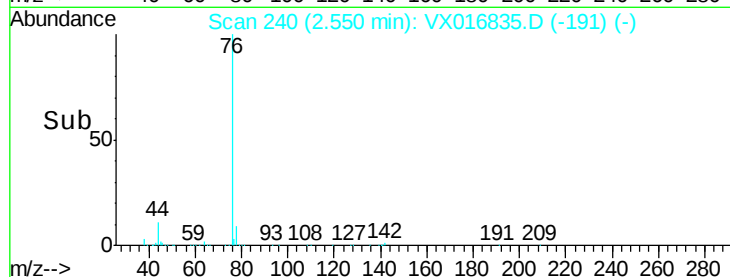
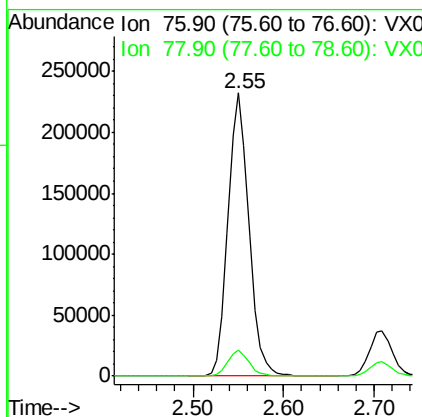
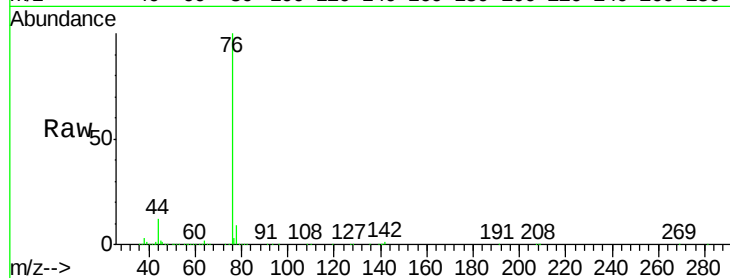
#17
Carbon Disulfide
Concen: 55.369 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

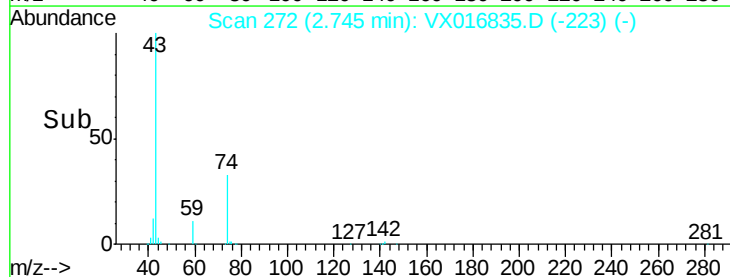
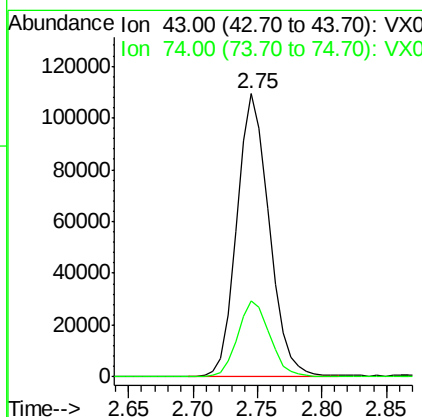
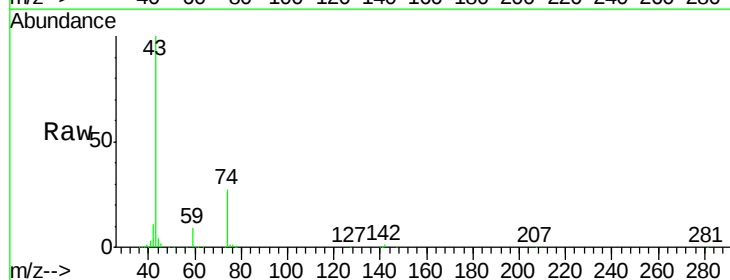
Manual Integrations
APPROVED

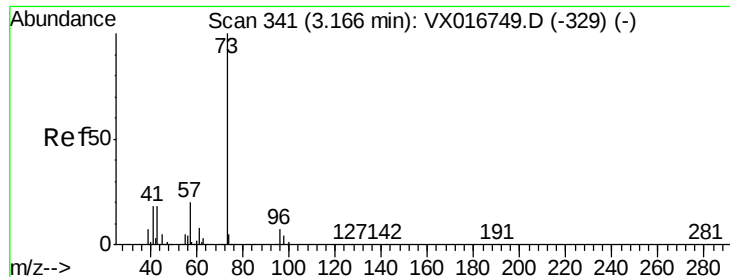
MMDadoda
6/18/2020 11:17:04 AM



#18
Methyl Acetate
Concen: 57.900 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.3	22.4	33.6





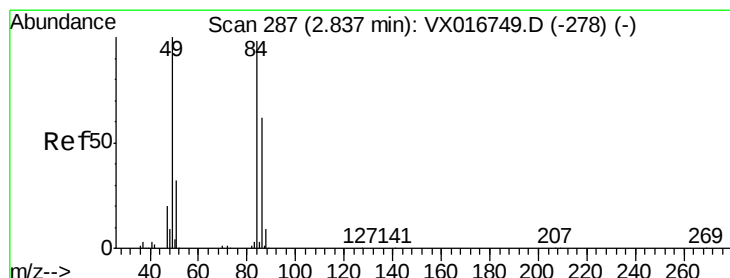
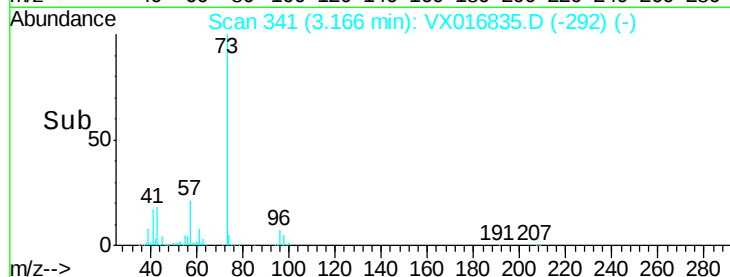
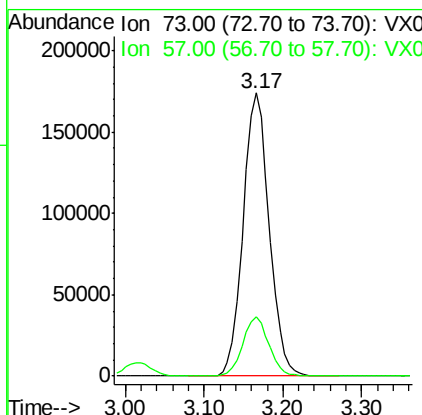
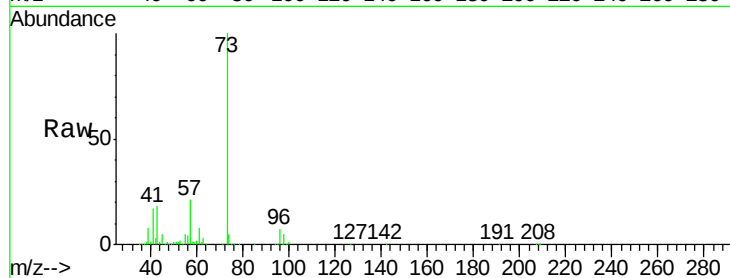
#19
Methvl tert-butvl Ether
Concen: 50.004 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	16.2	24.4

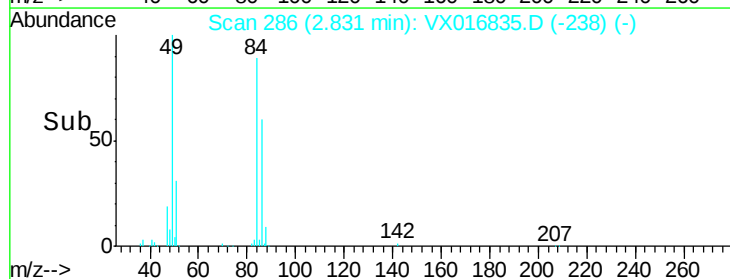
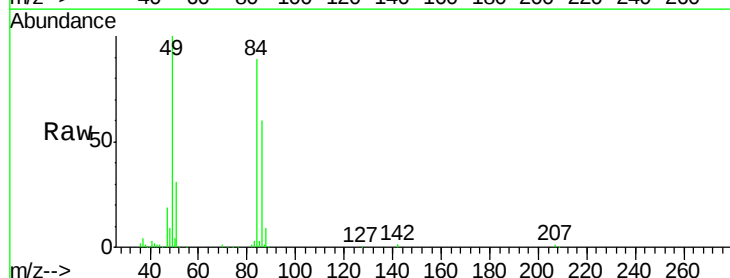
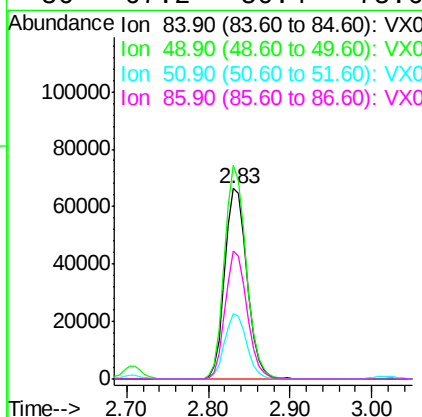
Manual Integrations
APPROVED

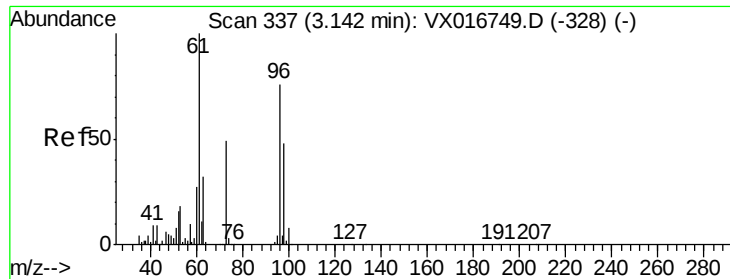
MMDadoda
6/18/2020 11:17:04 AM



#20
Methylene Chloride
Concen: 47.489 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.0	81.8	122.8
51	34.4	25.8	38.8
86	67.2	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 54.704 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

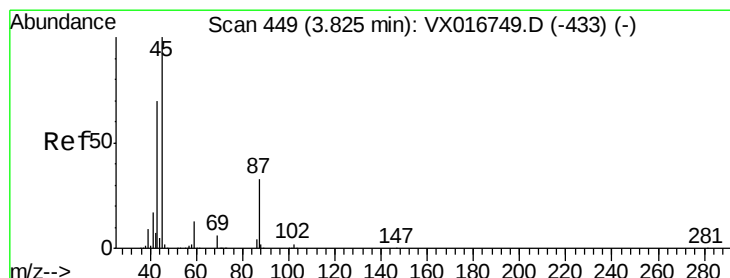
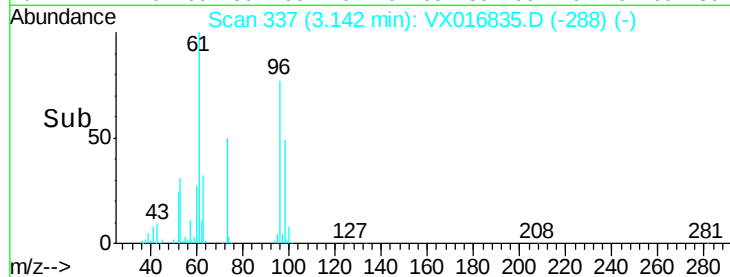
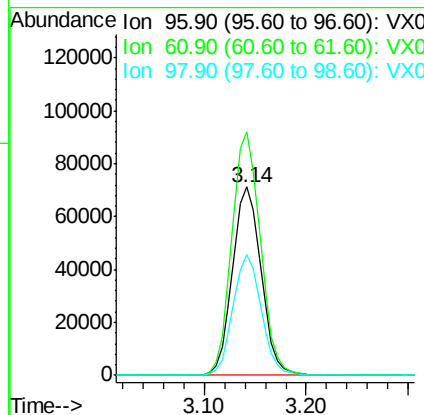
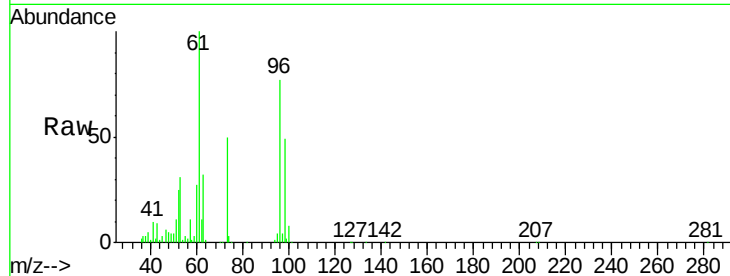
ClientSampleId :

S49-0563MSD

Tot Ion:	96	Resp:	138030
Ion Ratio	Lower	Upper	
96	100		
61	129.5	105.4	158.2
98	64.0	50.8	76.2

Manual Integrations
APPROVED

MMDadoda
6/18/2020 11:17:04 AM



#22

Diisopropyl ether

Concen: 50.813 ug/l

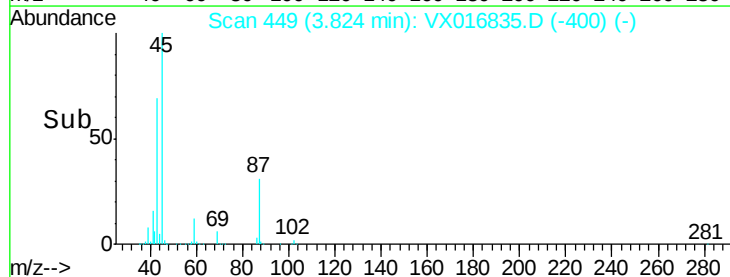
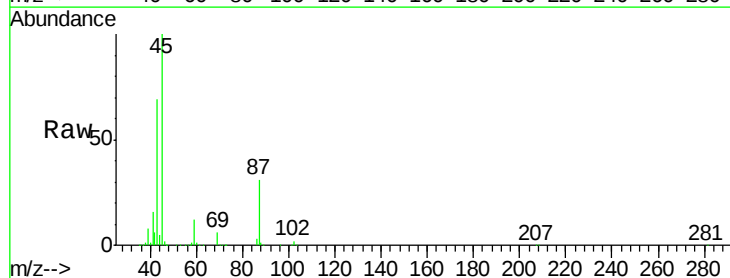
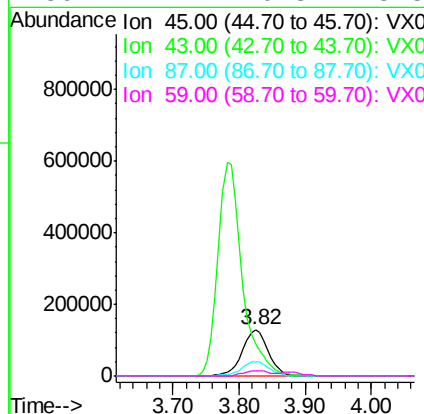
RT: 3.82 min Scan# 449

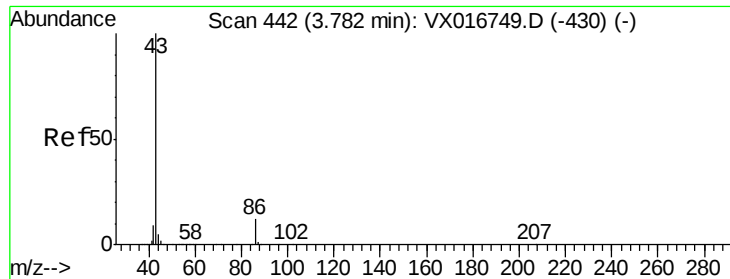
Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Tgt Ion:	45	Resp:	350506
Ion Ratio	Lower	Upper	
45	100		
43	69.2	56.2	84.4
87	30.9	26.2	39.4
59	12.4	10.3	15.5





#23

Vinyl Acetate

Concen: 257.526 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0563MSD

Tot Ion: 43 Resp: 1535386

Ion Ratio Lower Upper

43 100

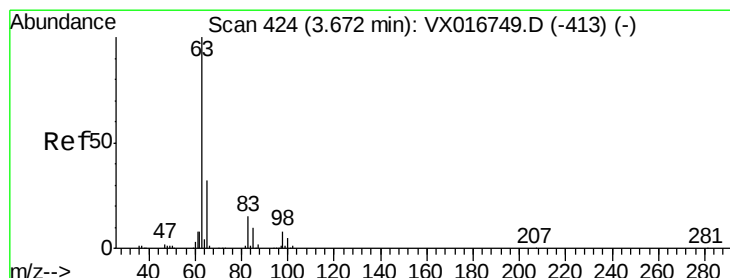
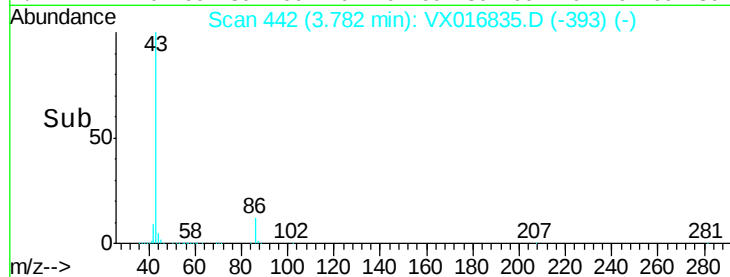
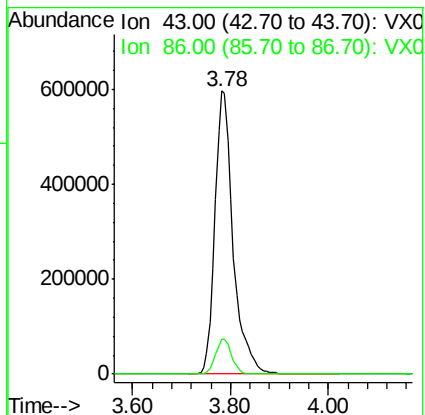
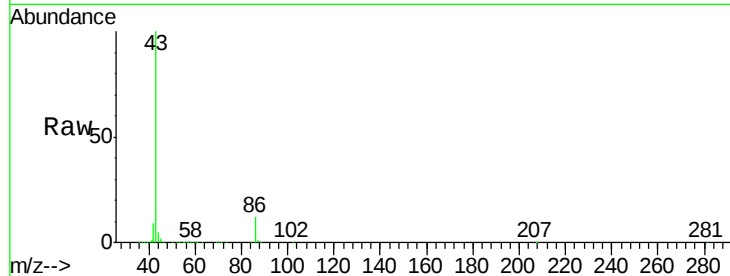
86 12.4 9.8 14.8

Manual Integrations

APPROVED

MMDadoda

6/18/2020 11:17:04 AM



#24

1,1-Dichloroethane

Concen: 49.228 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

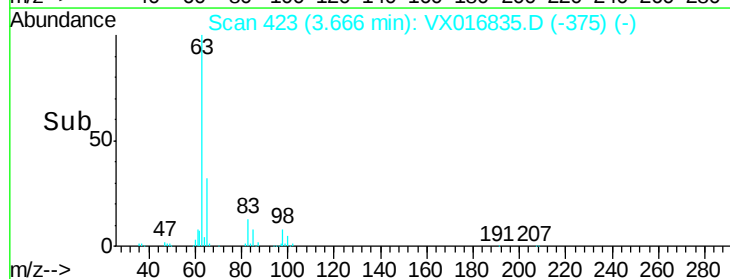
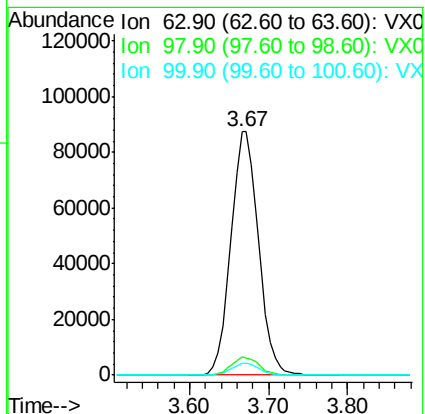
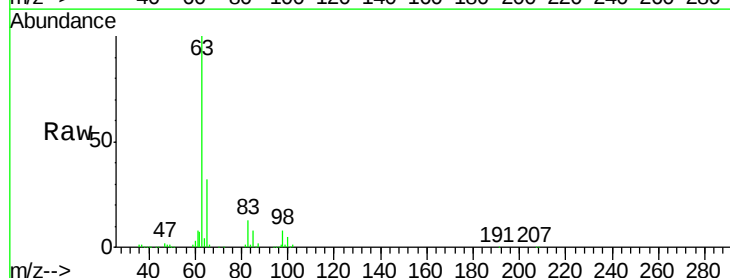
Tgt Ion: 63 Resp: 212383

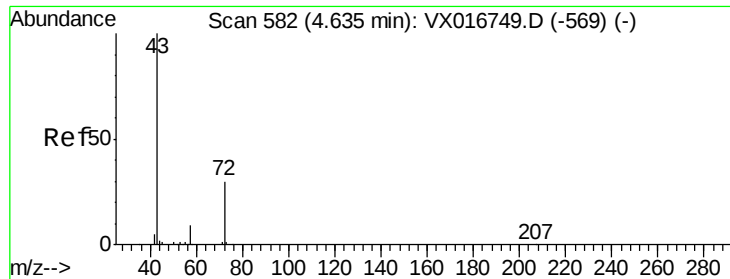
Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

100 4.8 2.3 6.9





#25

2-Butanone

Concen: 2454.055 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0563MSD

Tot Ion: 43 Resp: 4533359

Ion Ratio Lower Upper

43 100

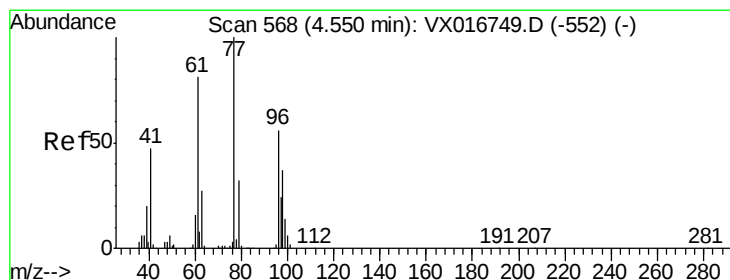
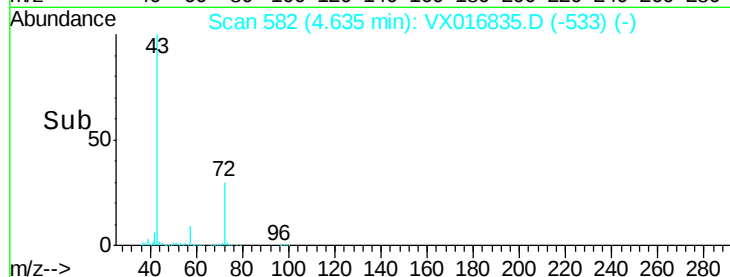
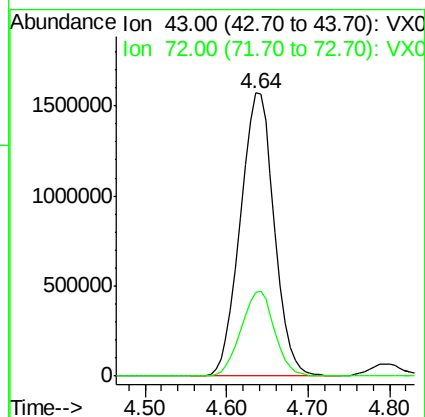
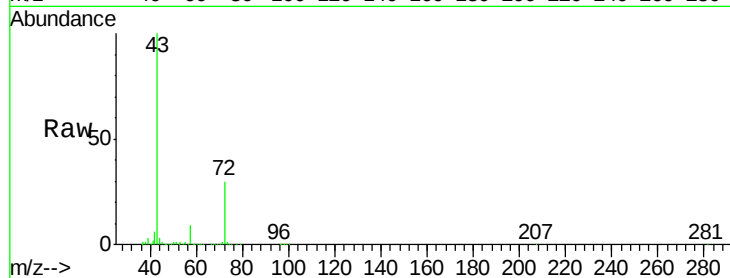
72 29.5 24.2 36.4

Manual Integrations

APPROVED

MMDadoda

6/18/2020 11:17:04 AM



#26

2,2-Dichloropropane

Concen: 41.182 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016835.D

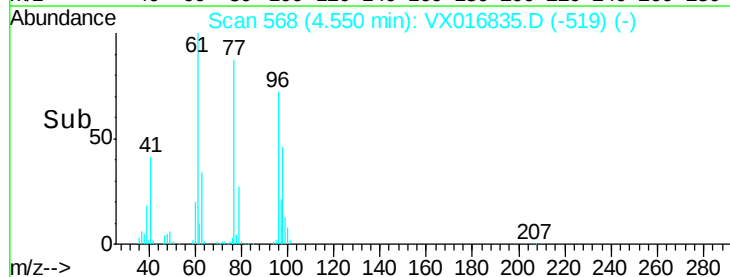
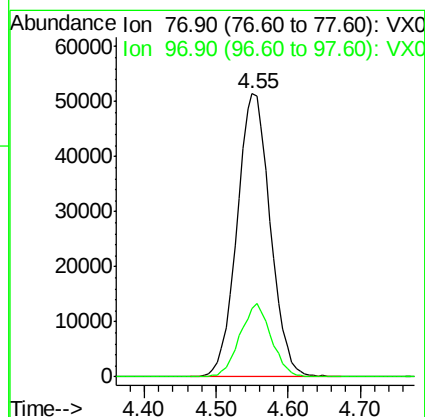
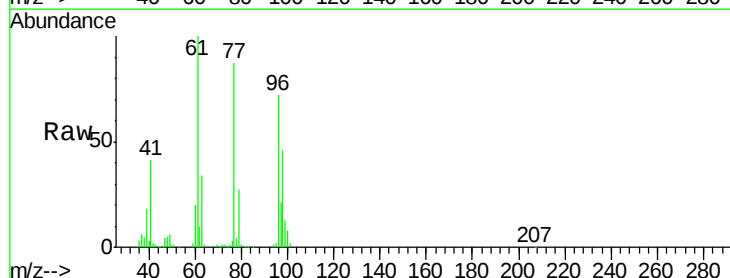
Acq: 17 Jun 2020 22:14

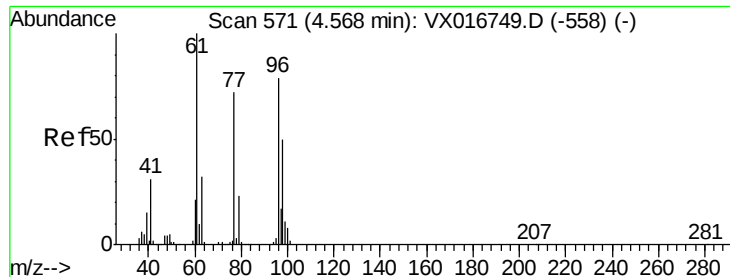
Tgt Ion: 77 Resp: 164518

Ion Ratio Lower Upper

77 100

97 24.5 11.5 34.4





#27

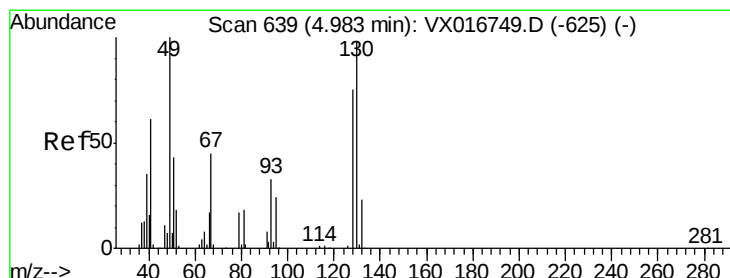
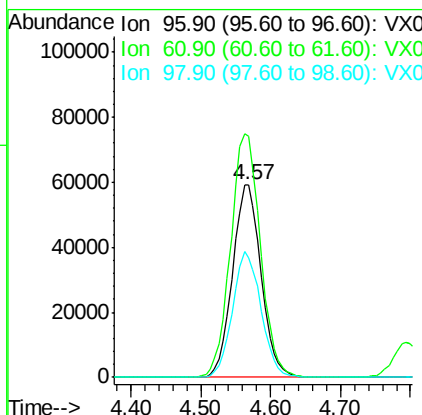
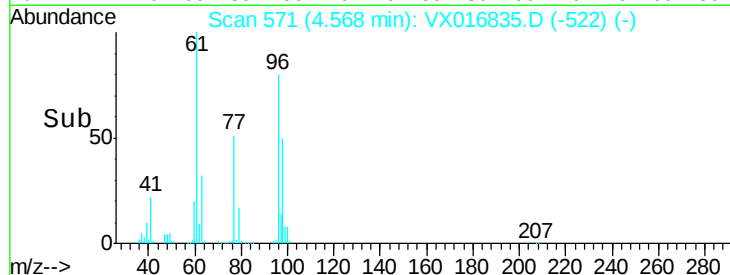
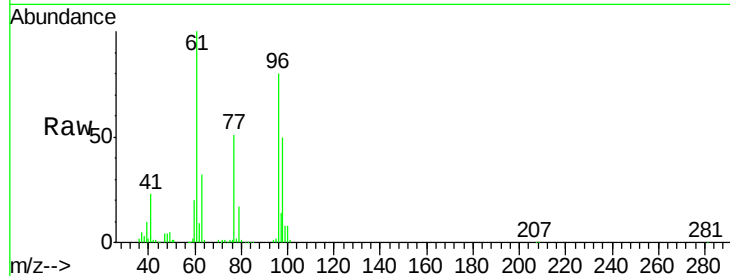
cis-1,2-Dichloroethene
Concen: 58.311 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	168164		
61	131.8	0.0	276.2	
98	65.0	0.0	130.0	

Manual Integrations
APPROVED

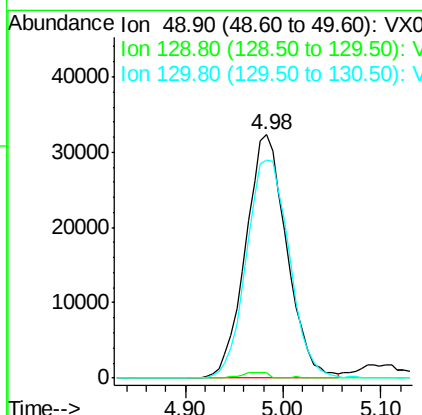
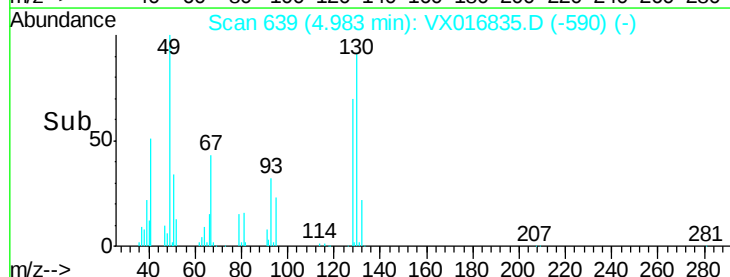
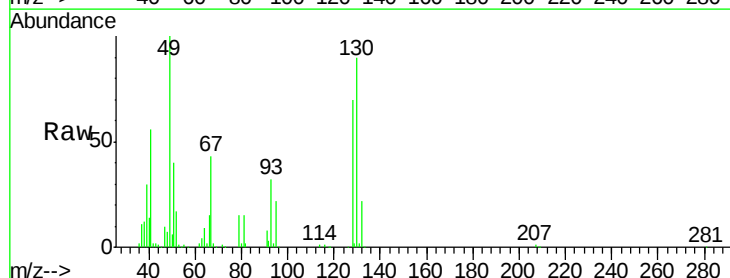
MMDadoda
6/18/2020 11:17:04 AM

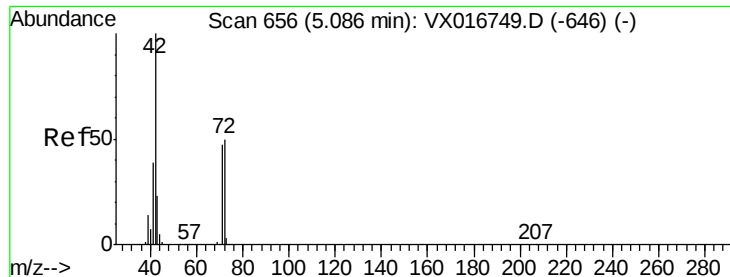


#28

Bromochloromethane
Concen: 51.202 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	94234		
129	1.6	0.0	2.8	
130	93.8	76.0	114.0	





#29

Tetrahydrofuran

Concen: 322.859 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

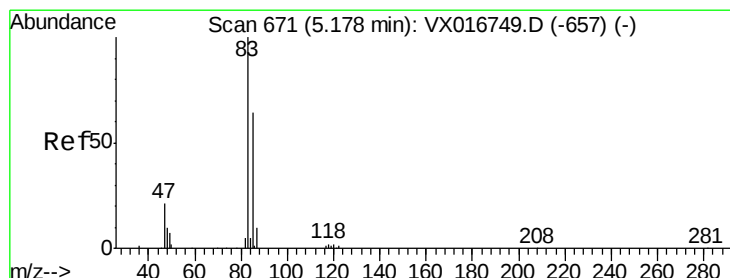
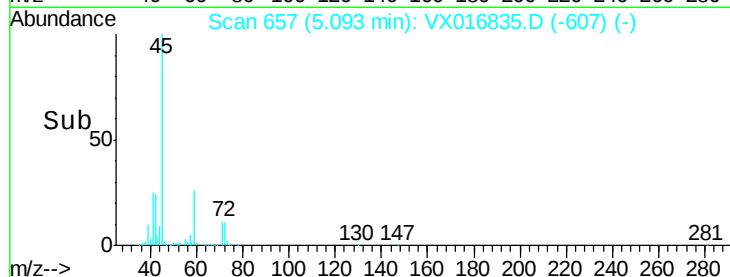
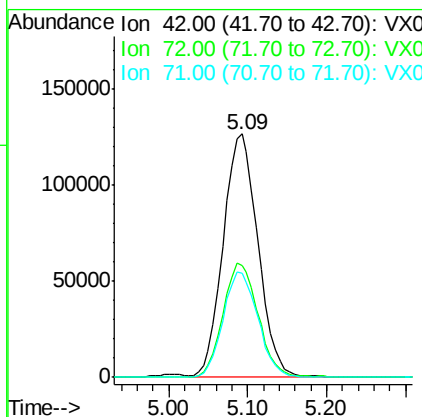
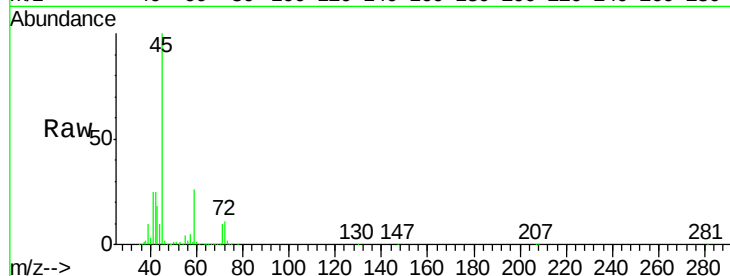
ClientSampleId :

S49-0563MSD

Tot Ion:	42	Resp:	386365
Ion Ratio		Lower	Upper
42	100		
72	47.1	41.0	61.6
71	43.6	38.2	57.4

Manual Integrations
APPROVED

MMDadoda
6/18/2020 11:17:04 AM



#30

Chloroform

Concen: 48.620 ug/l

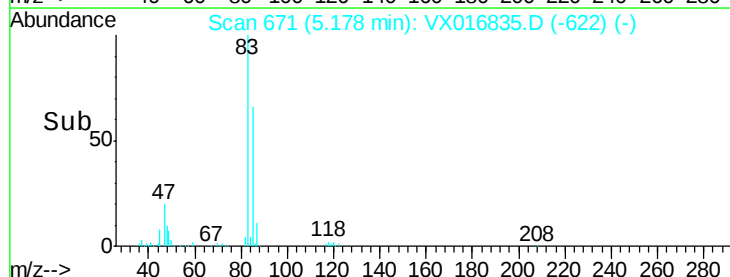
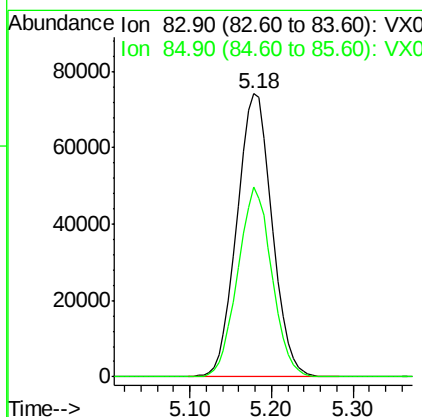
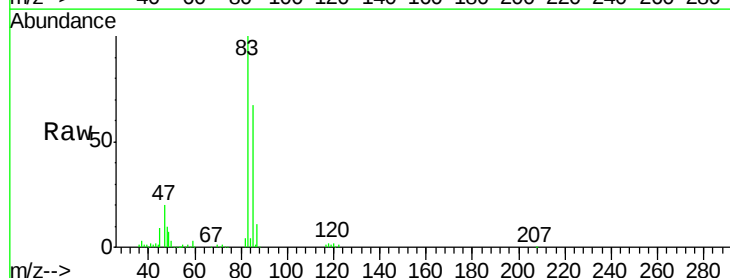
RT: 5.18 min Scan# 671

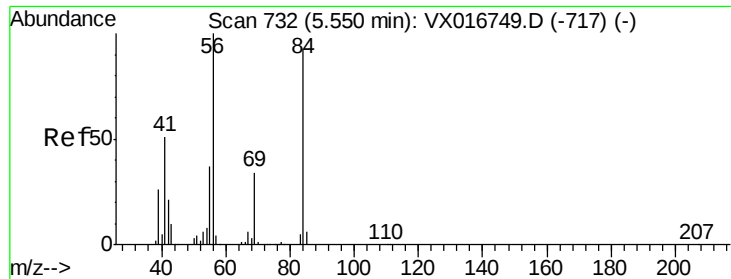
Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Tgt Ion:	83	Resp:	221917
Ion Ratio		Lower	Upper
83	100		
85	67.3	50.8	76.2





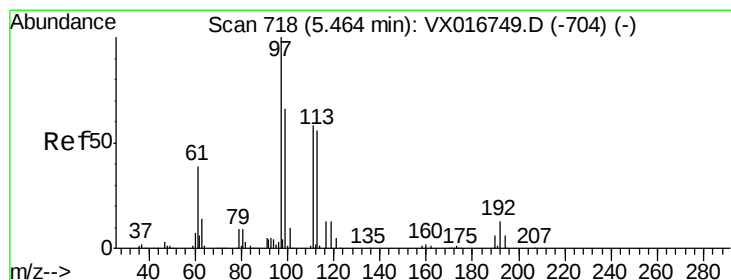
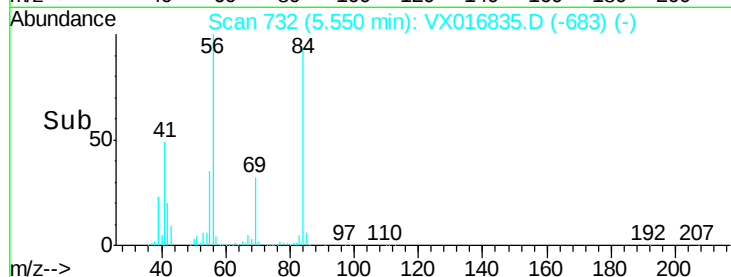
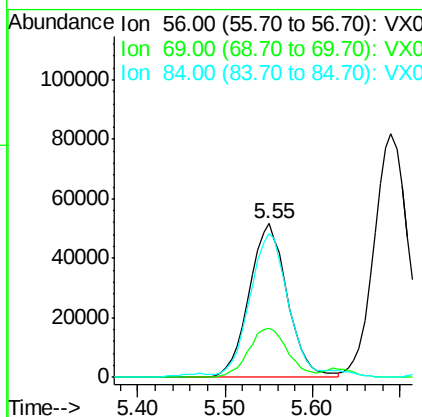
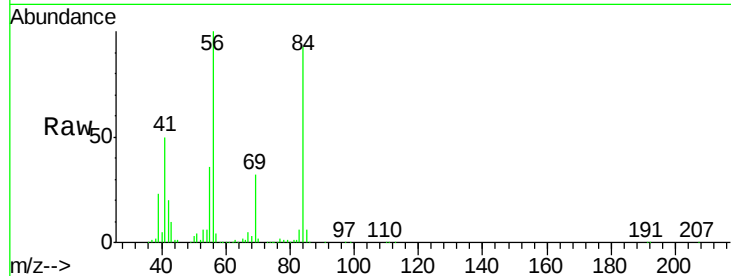
#31
Cyclohexane
Concen: 45.322 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	27.1	40.7
84	91.1	74.0	111.0

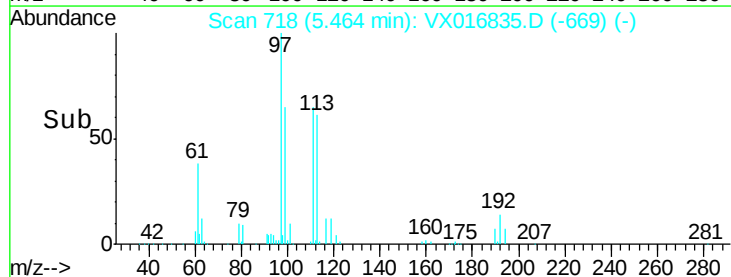
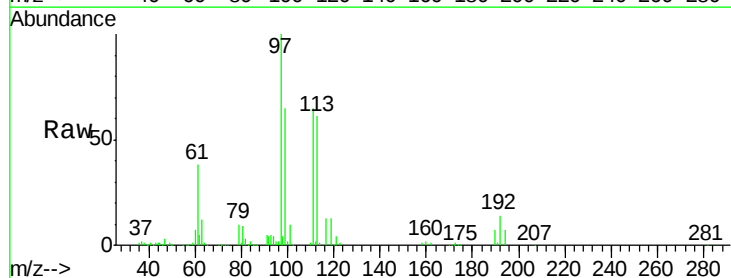
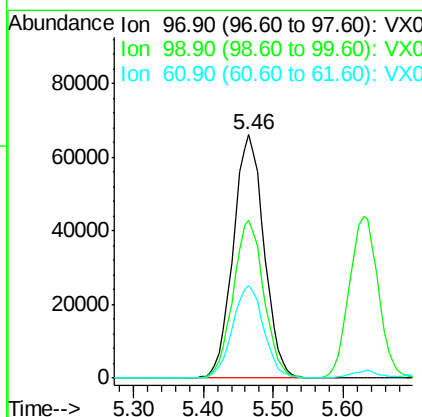
Manual Integrations
APPROVED

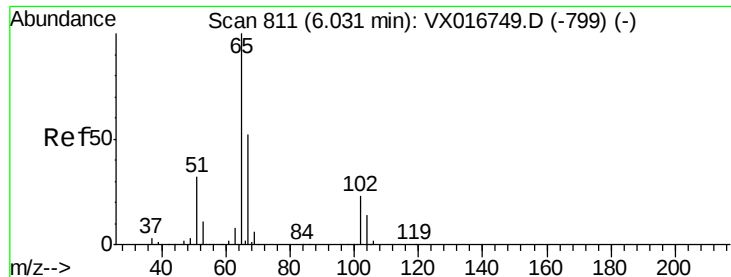
MMDadoda
6/18/2020 11:17:04 AM



#32
1,1,1-Trichloroethane
Concen: 48.811 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.5	77.3
61	38.4	31.3	46.9





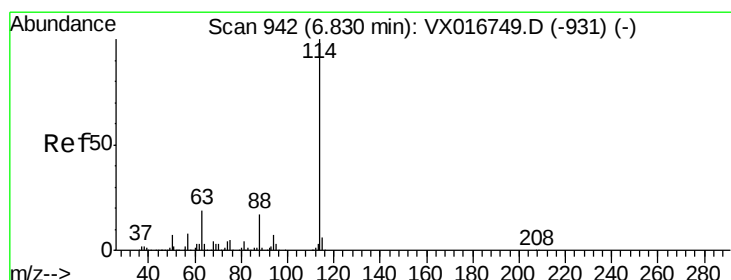
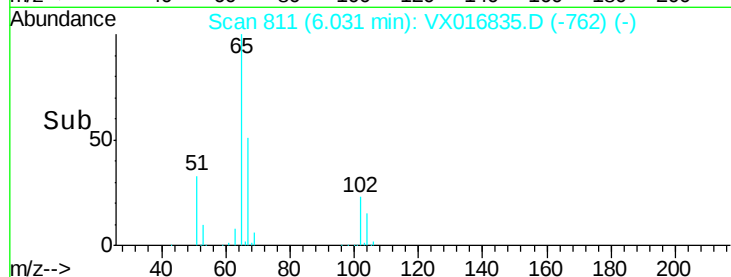
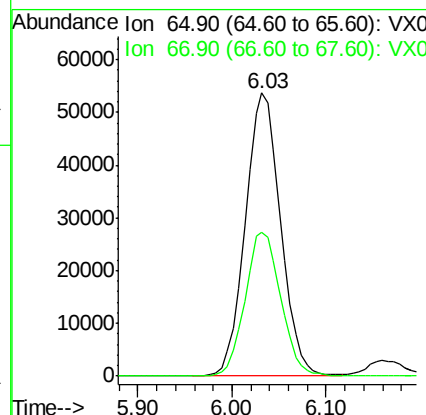
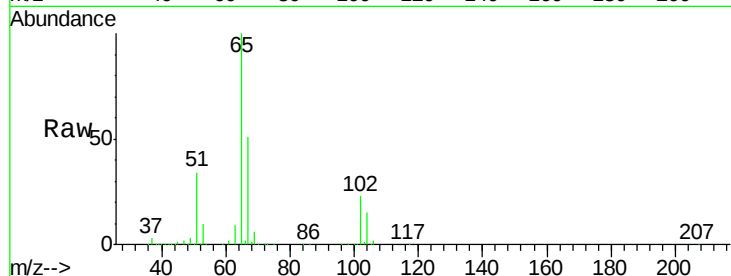
#33
 1,2-Dichloroethane-d4
 Concen: 52.100 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016835.D
 Acq: 17 Jun 2020 22:14

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0563MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.5	0.0	103.0	

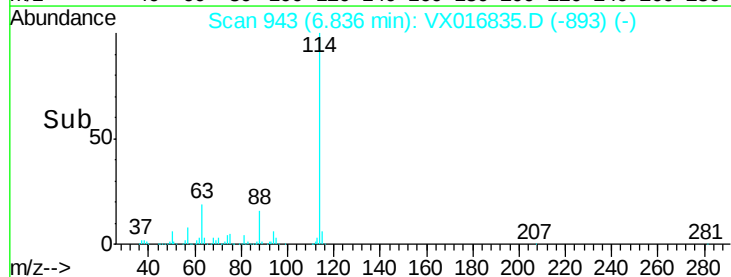
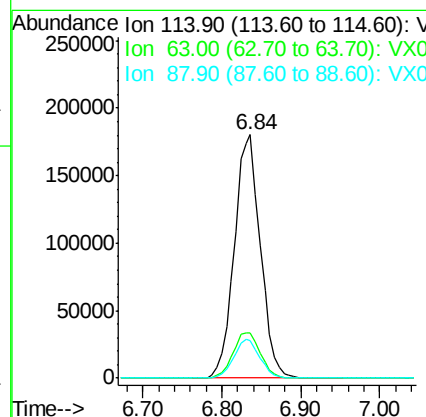
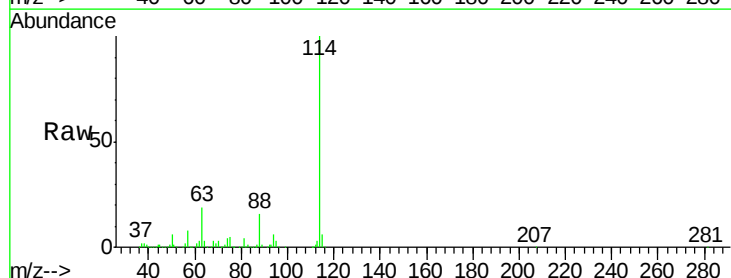
Manual Integrations
 APPROVED

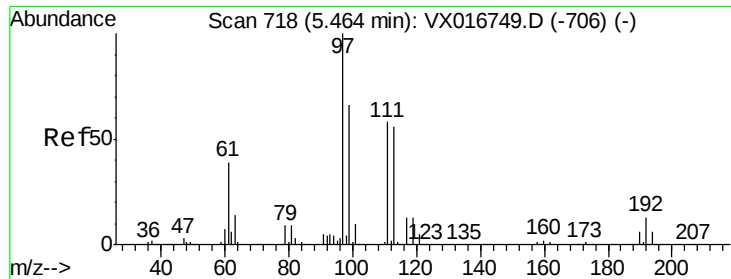
MMDadoda
 6/18/2020 11:17:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016835.D
 Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.6	0.0	38.8	
88	15.5	0.0	33.4	





#35

Dibromofluoromethane

Concen: 45.738 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

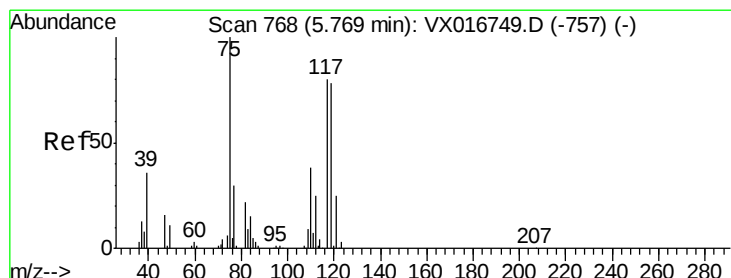
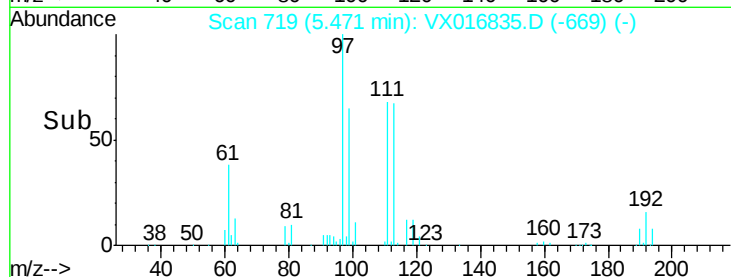
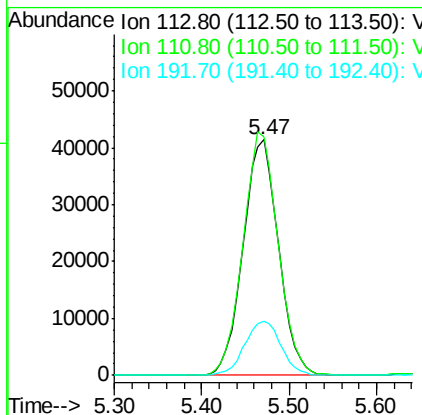
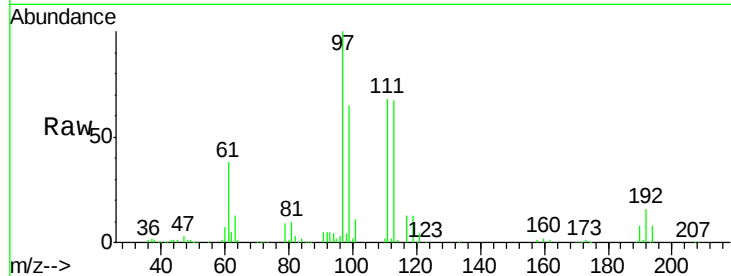
ClientSampleId :

S49-0563MSD

Tot Ion:	113	Resp:	116634
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.8	122.6
192	23.6	18.2	27.4

Manual Integrations
APPROVED

MMDadoda
6/18/2020 11:17:04 AM



#36

1,1-Dichloropropene

Concen: 43.894 ug/l

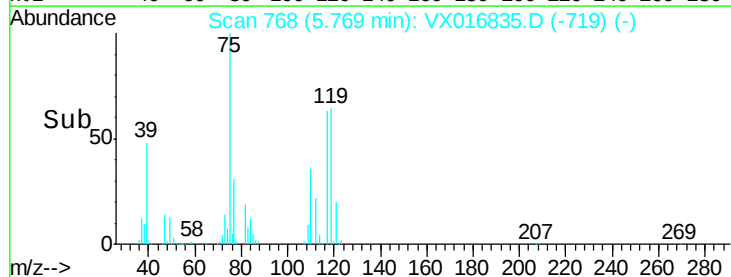
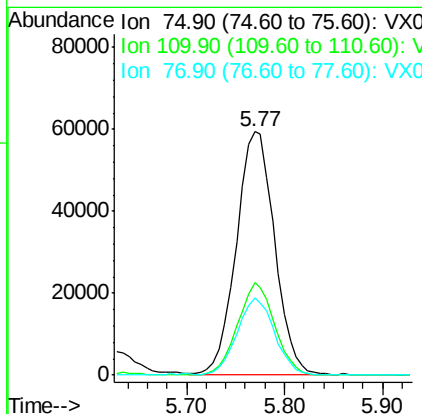
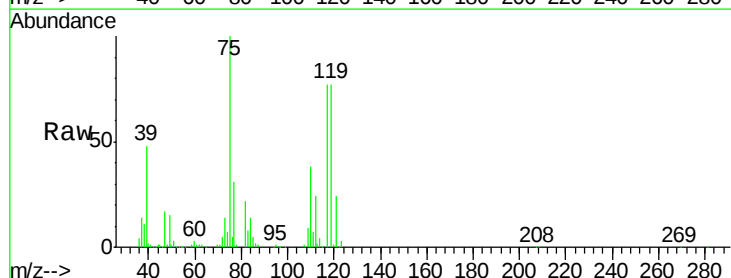
RT: 5.77 min Scan# 768

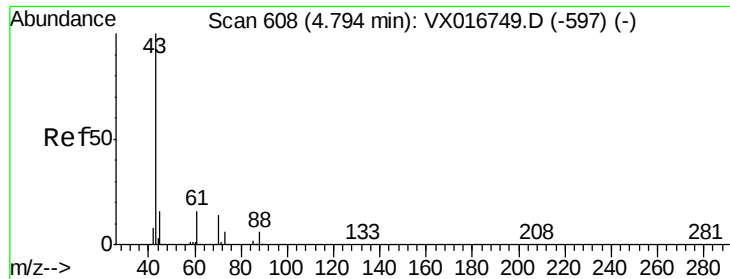
Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Tgt Ion:	75	Resp:	160325
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.4	55.2
77	31.2	24.7	37.1





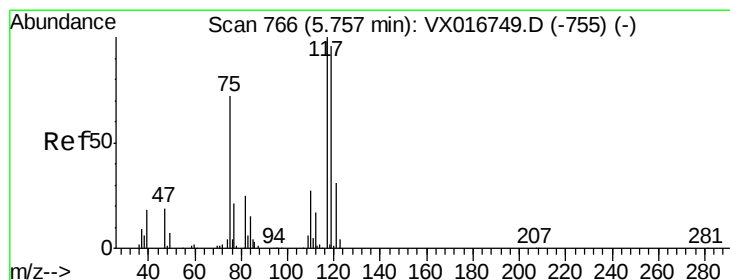
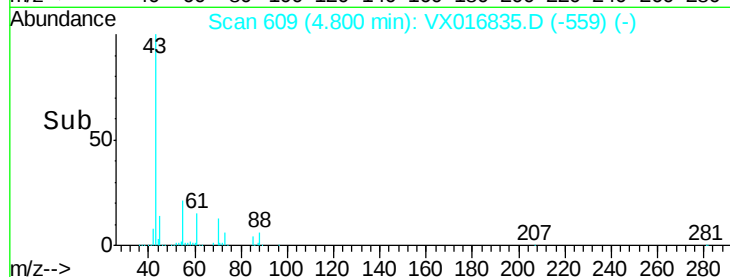
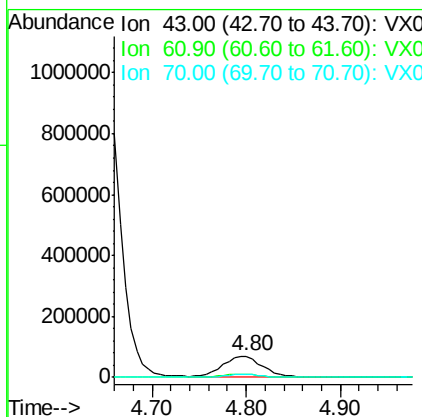
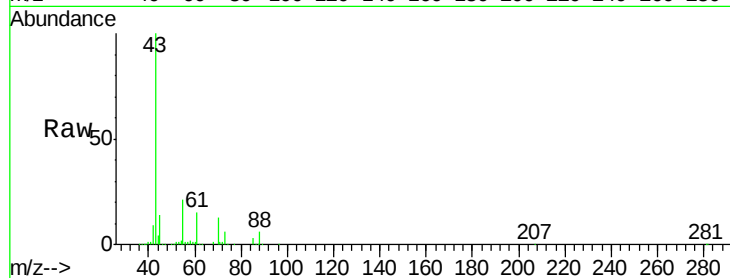
#37
Ethyl Acetate
Concen: 50.627 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.4	18.6
70	13.0	10.8	16.2

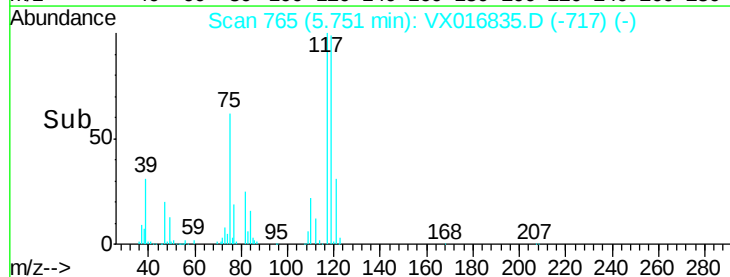
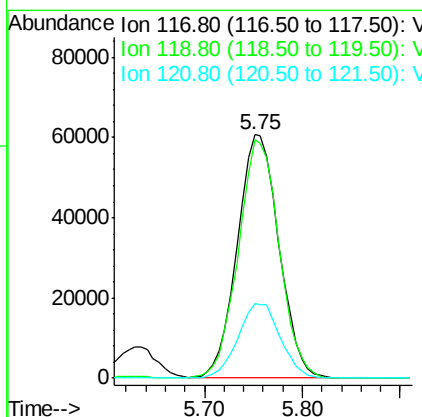
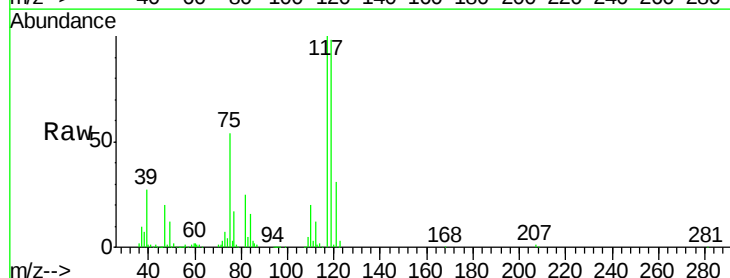
Manual Integrations
APPROVED

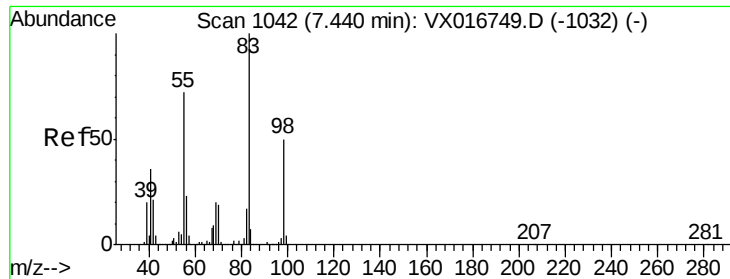
MMDadoda
6/18/2020 11:17:04 AM



#38
Carbon Tetrachloride
Concen: 43.134 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.7	115.1
121	30.9	24.7	37.1





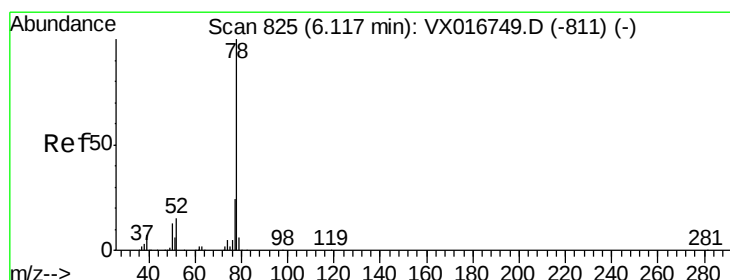
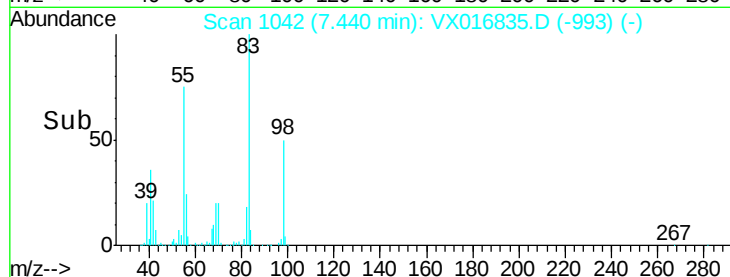
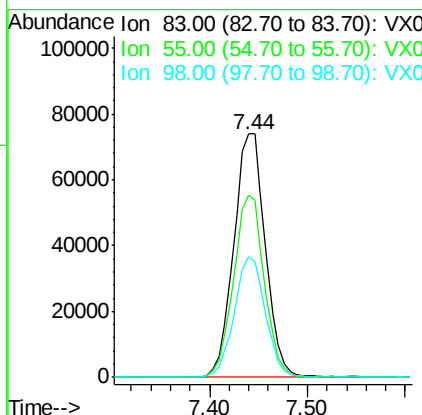
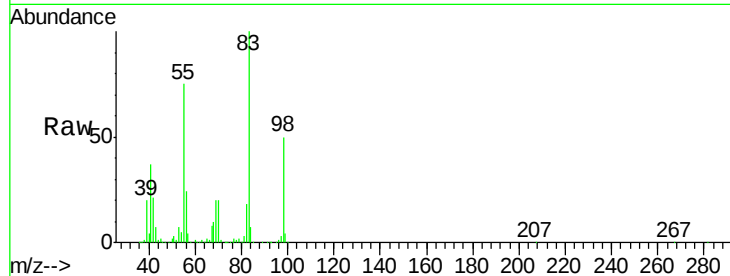
#39
Methvlcvclohexane
Concen: 39.237 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	57.3	85.9
98	49.8	40.3	60.5

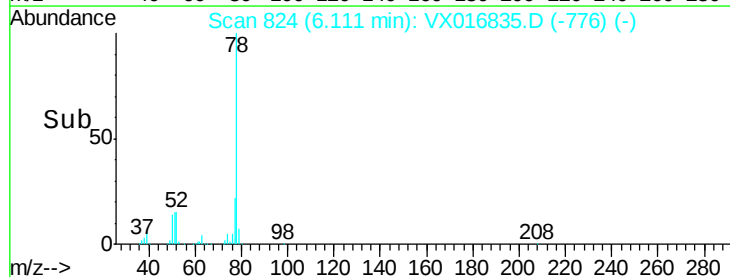
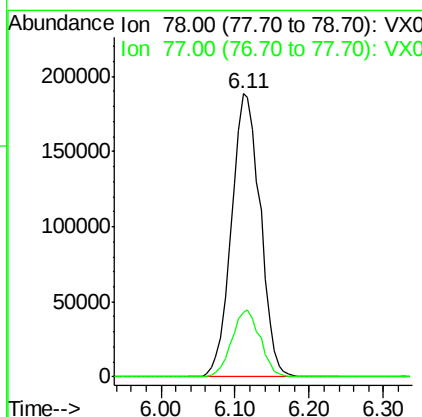
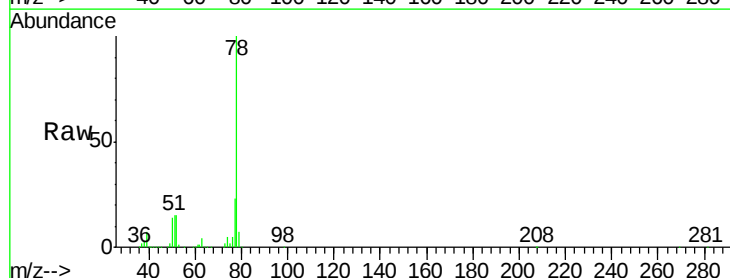
Manual Integrations
APPROVED

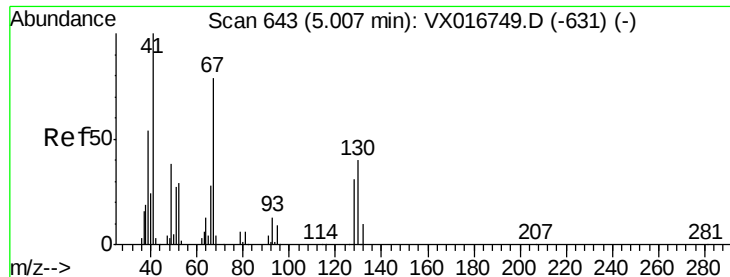
MMDadoda
6/18/2020 11:17:04 AM



#40
Benzene
Concen: 45.919 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.4





#41

Methacrylonitrile

Concen: 46.854 ug/l

RT: 5.00 min Scan# 642

Delta R.T. -0.01 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

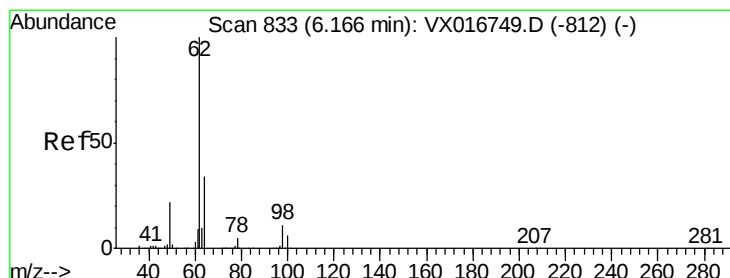
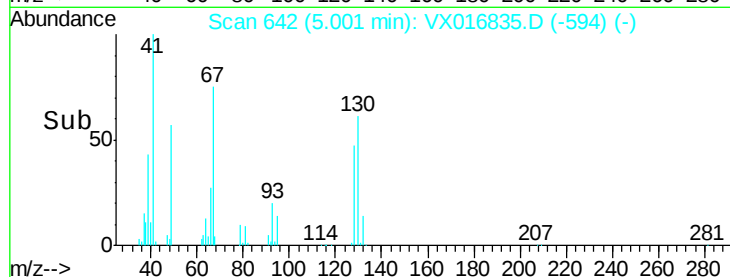
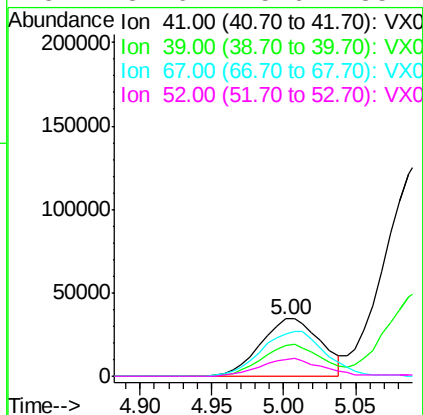
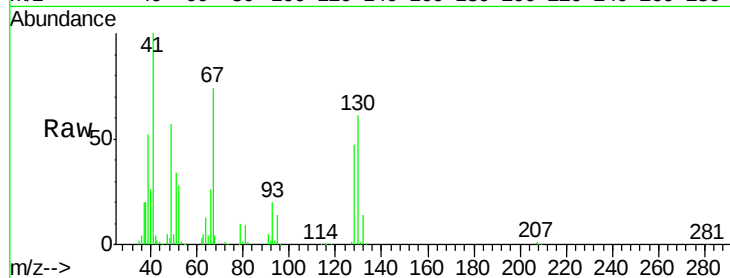
ClientSampleId :

S49-0563MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	43.7	65.5	
67	83.9	64.6	96.8	
52	31.6	25.6	38.4	

Manual Integrations
APPROVED

MMDadoda
6/18/2020 11:17:04 AM



#42

1,2-Dichloroethane

Concen: 47.023 ug/l

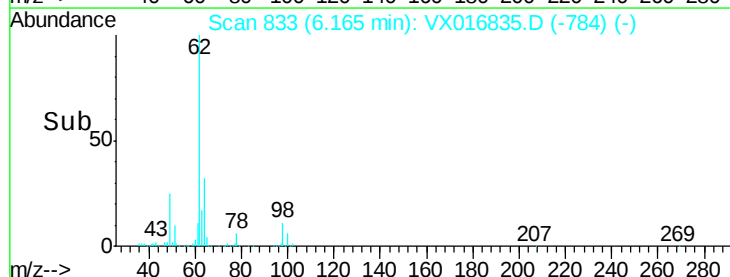
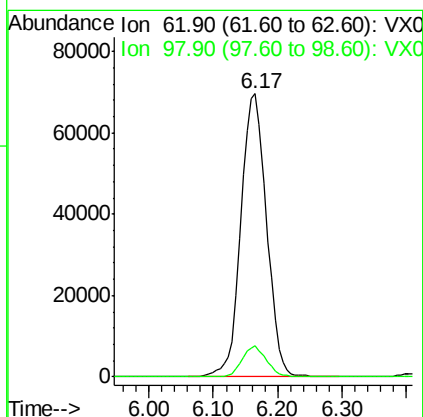
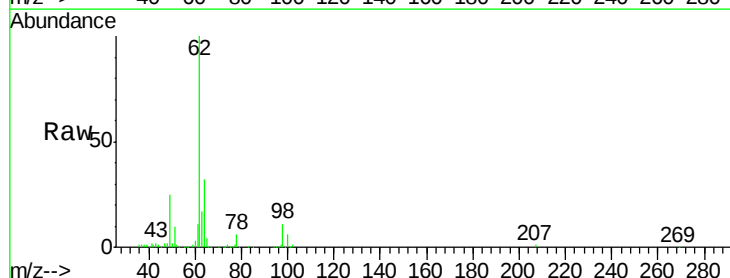
RT: 6.17 min Scan# 833

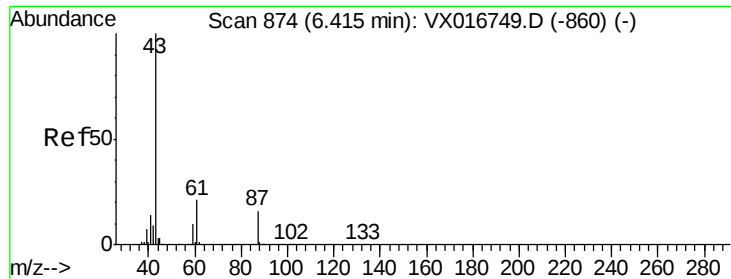
Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.2	





#43

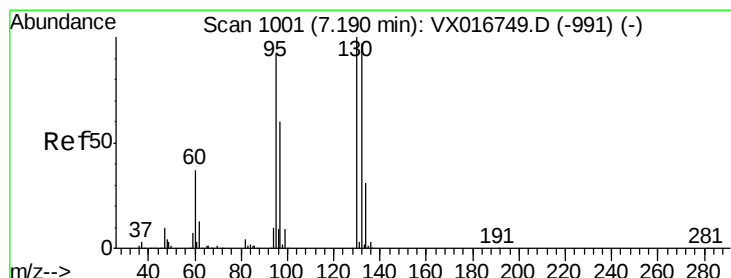
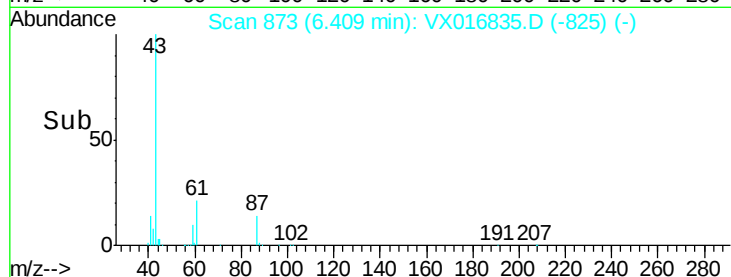
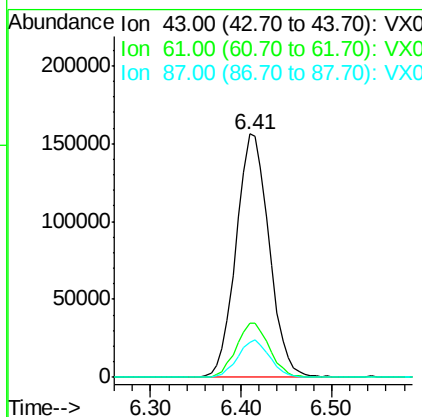
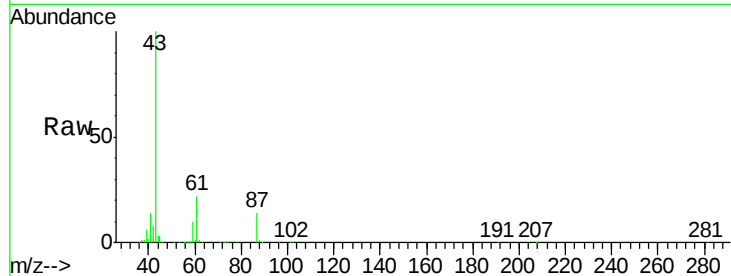
Isopropyl Acetate
 Concen: 62.656 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX016835.D
 Acq: 17 Jun 2020 22:14

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0563MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.4	17.7	26.5
87	14.9	12.5	18.7

Manual Integrations
 APPROVED

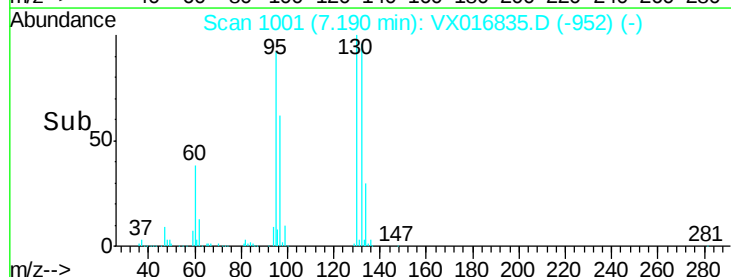
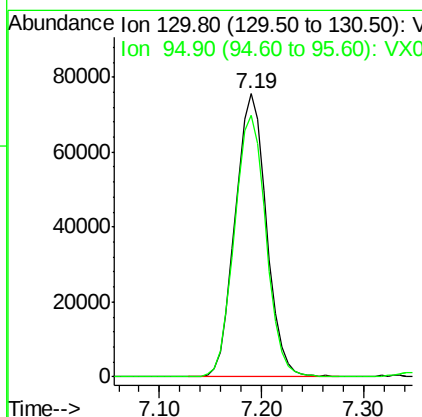
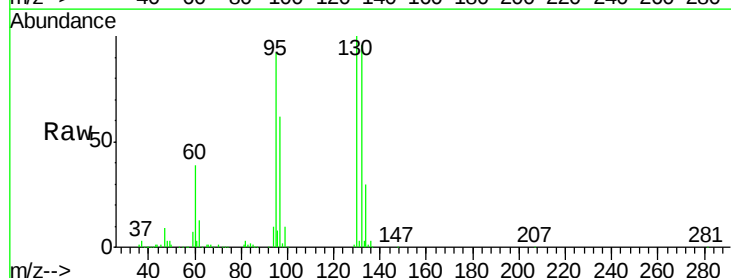
MMDadoda
 6/18/2020 11:17:04 AM

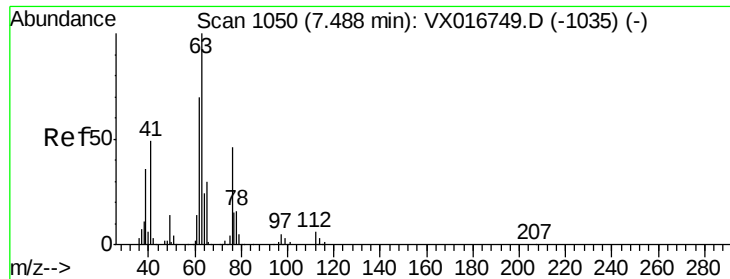


#44

Trichloroethene
 Concen: 46.589 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016835.D
 Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	183.6





#45

1,2-Dichloropropane

Concen: 49.202 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0563MSD

Tot Ion: 63 Resp: 134129

Ion Ratio Lower Upper

63 100

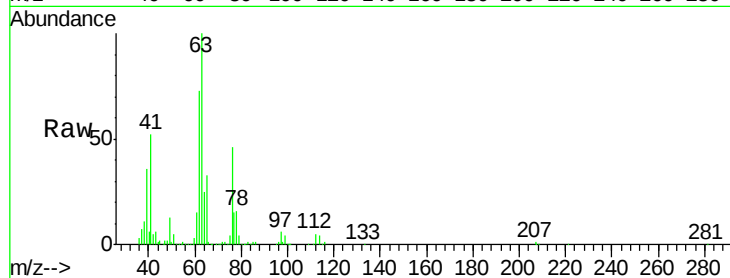
65 33.1 24.2 36.2

Manual Integrations

APPROVED

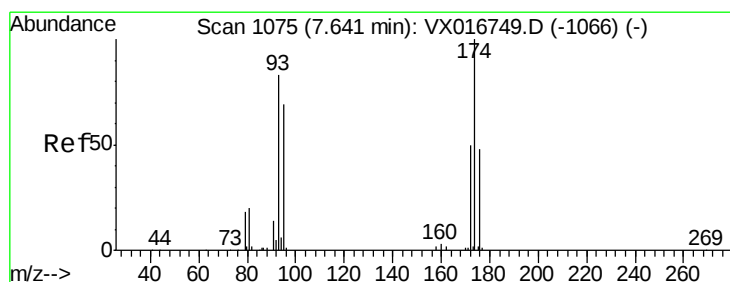
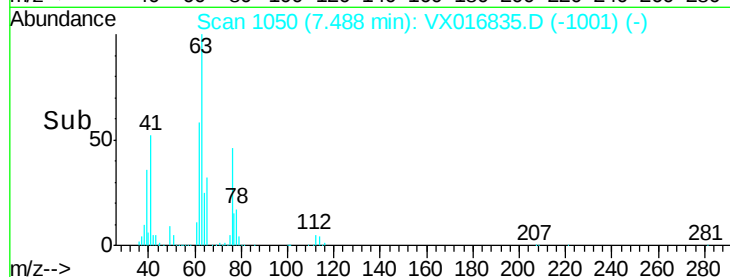
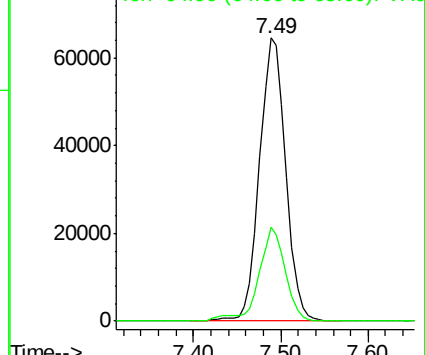
MMDadoda

6/18/2020 11:17:04 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 48.566 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

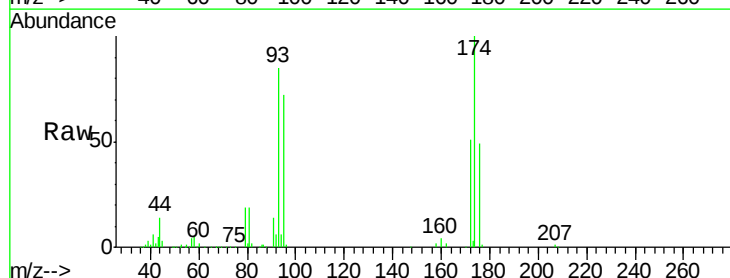
Tgt Ion: 93 Resp: 96495

Ion Ratio Lower Upper

93 100

95 82.8 66.9 100.3

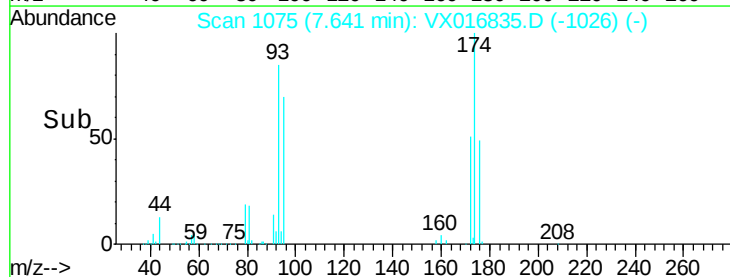
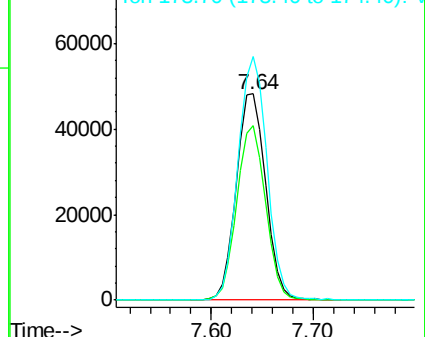
174 116.3 93.8 140.8

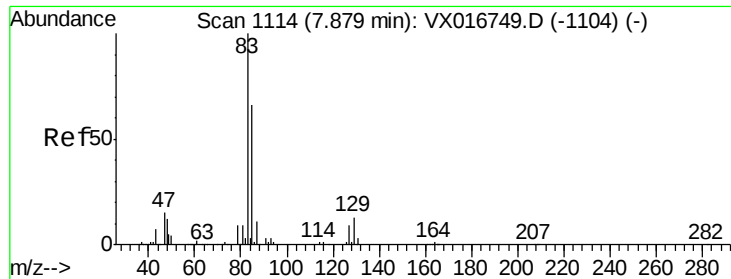


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.841 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

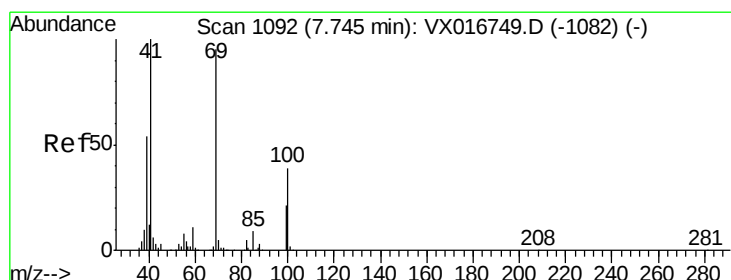
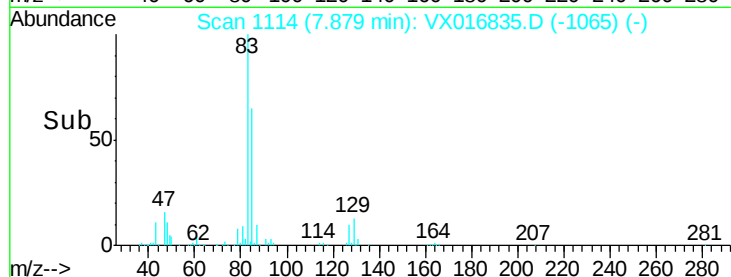
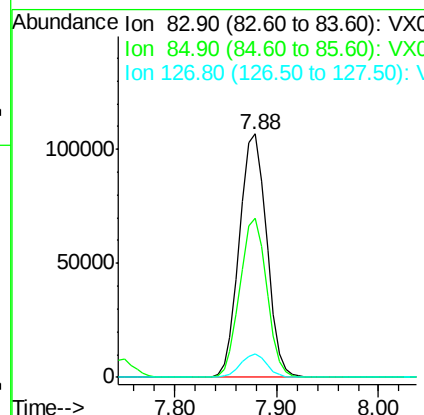
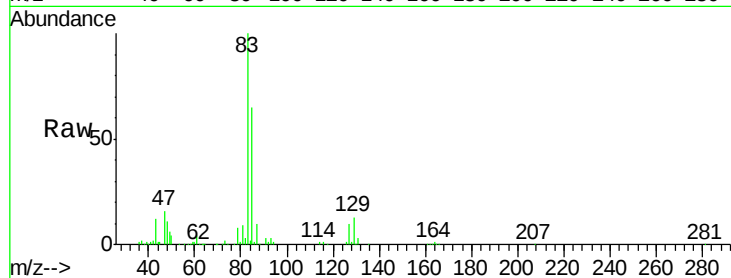
ClientSampleId :

S49-0563MSD

Tot Ion:	83	Resp:	198171
Ion Ratio	Lower	Upper	
83	100		
85	65.2	52.5	78.7
127	9.7	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
6/18/2020 11:17:04 AM



#48

Methyl methacrylate

Concen: 56.003 ug/l

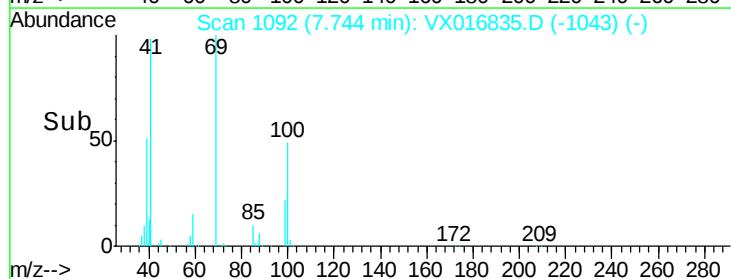
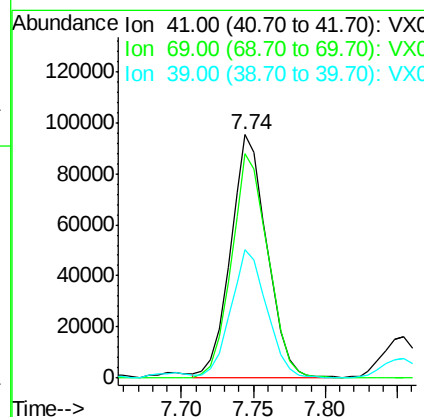
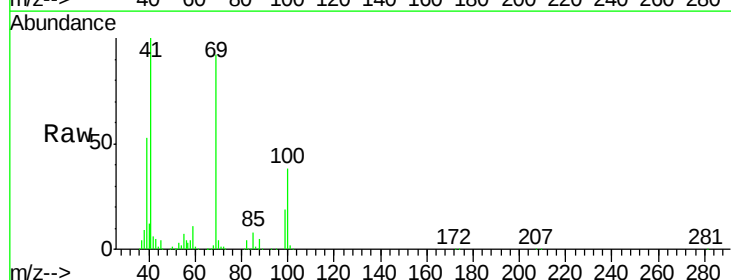
RT: 7.74 min Scan# 1092

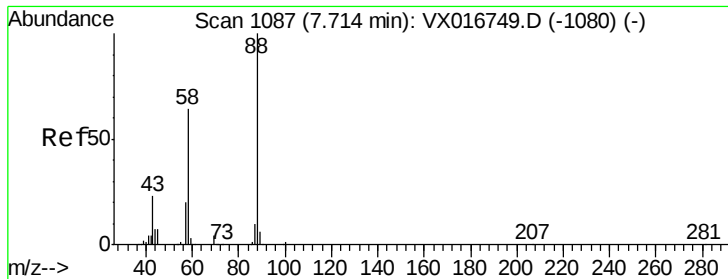
Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Tgt Ion:	41	Resp:	166400
Ion Ratio	Lower	Upper	
41	100		
69	93.6	75.0	112.6
39	52.4	44.3	66.5





#49

1,4-Dioxane

Concen: 1289.939 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

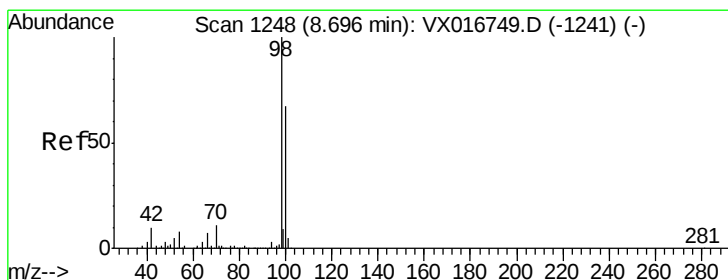
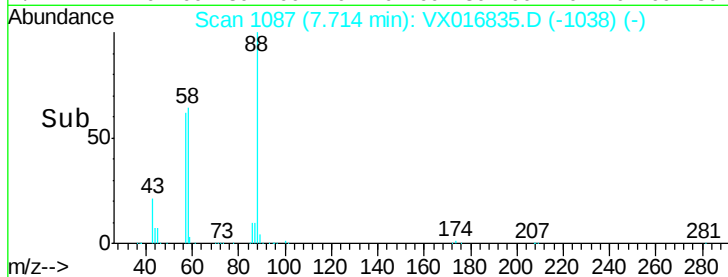
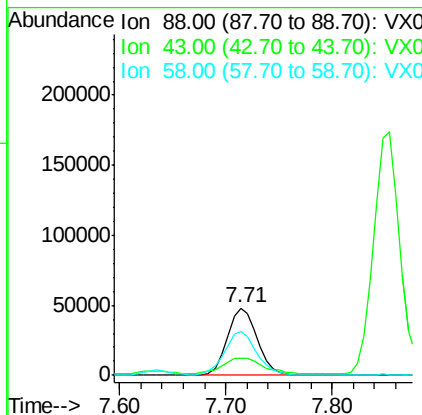
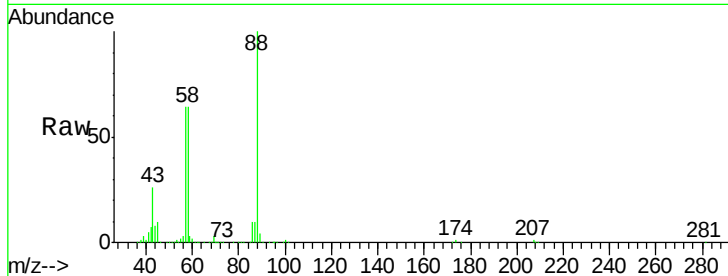
ClientSampleId :

S49-0563MSD

Tot Ion:	88	Resp:	94850
Ion	Ratio	Lower	Upper
88	100		
43	32.7	22.9	34.3
58	70.8	53.7	80.5

Manual Integrations
APPROVED

MMDadoda
6/18/2020 11:17:04 AM



#50

Toluene-d8

Concen: 54.288 ug/l

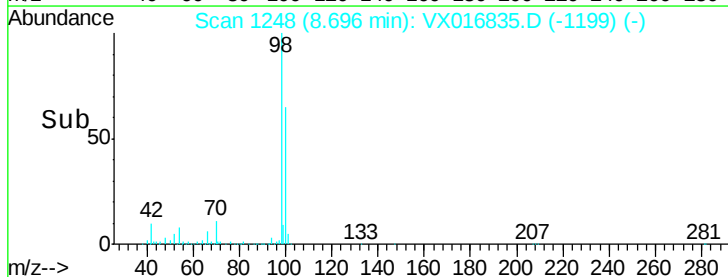
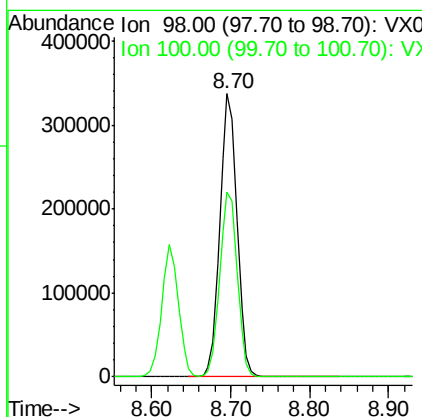
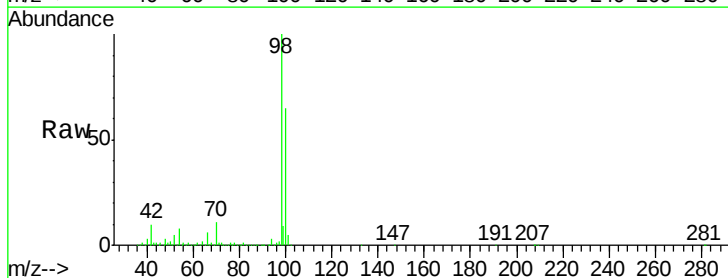
RT: 8.70 min Scan# 1248

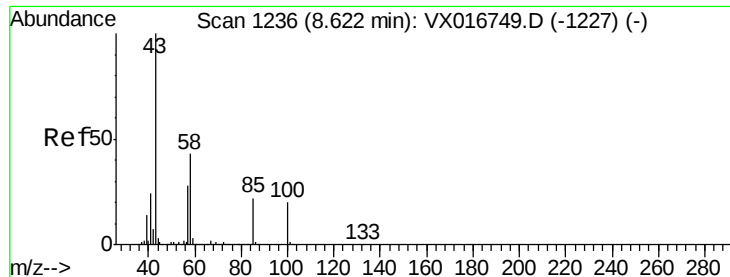
Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Tgt Ion:	98	Resp:	510452
Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.9	80.9





#51

4-Methyl-2-Pentanone

Concen: 317.930 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0563MSD

Tot Ion: 43 Resp: 1228171

Ion Ratio Lower Upper

43 100

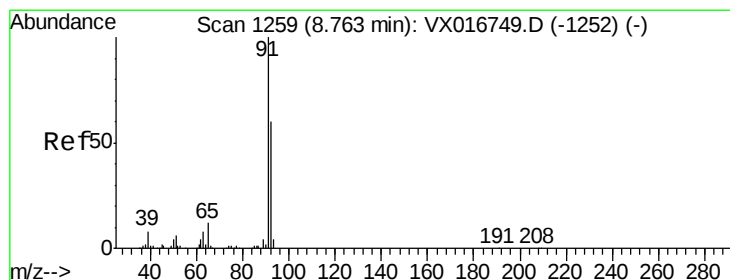
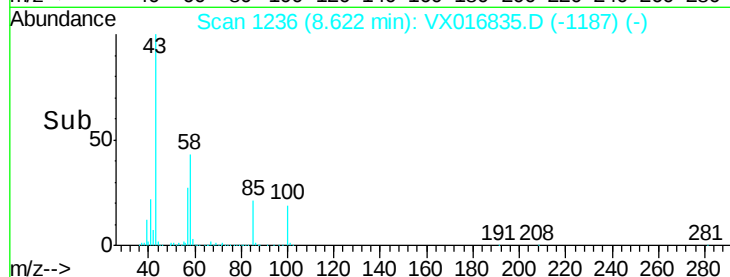
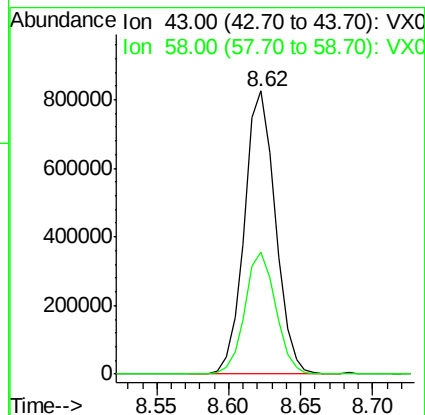
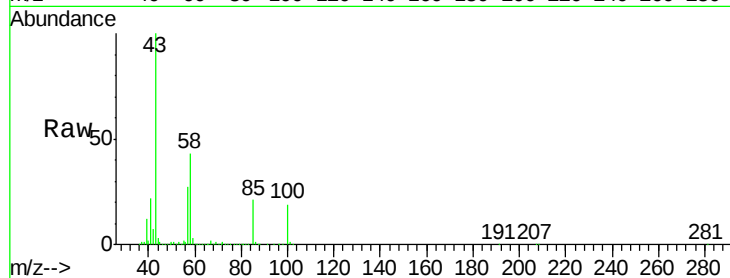
58 43.0 34.6 52.0

Manual Integrations

APPROVED

MMDadoda

6/18/2020 11:17:04 AM



#52

Toluene

Concen: 54.191 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX016835.D

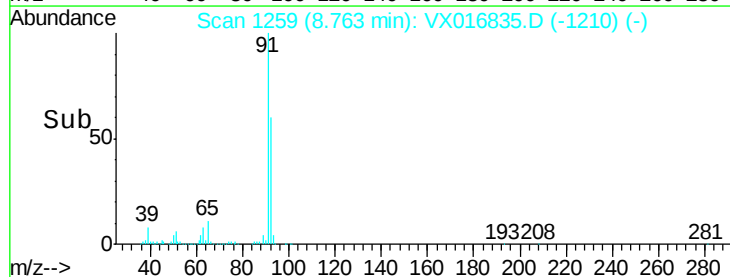
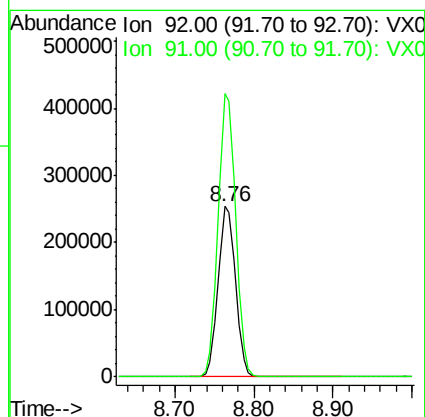
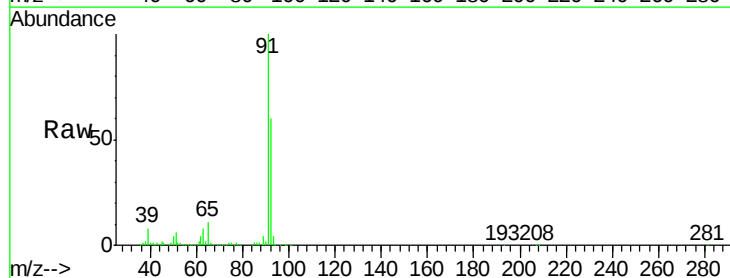
Acq: 17 Jun 2020 22:14

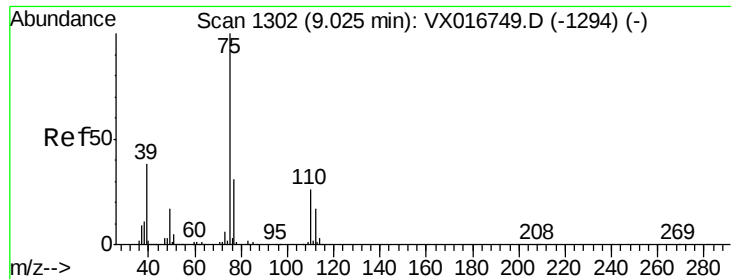
Tgt Ion: 92 Resp: 391453

Ion Ratio Lower Upper

92 100

91 167.9 136.1 204.1





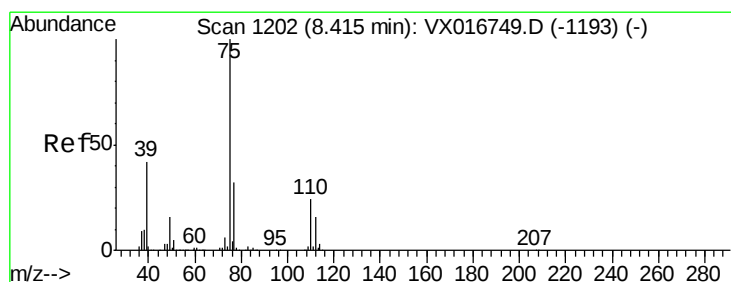
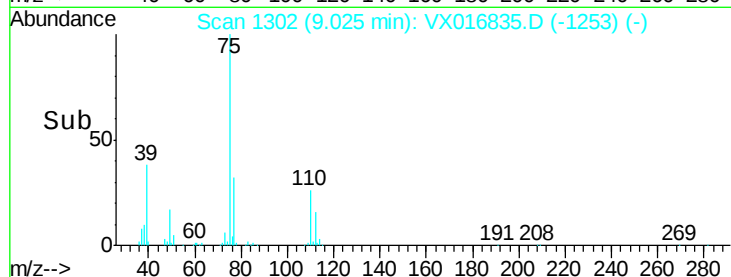
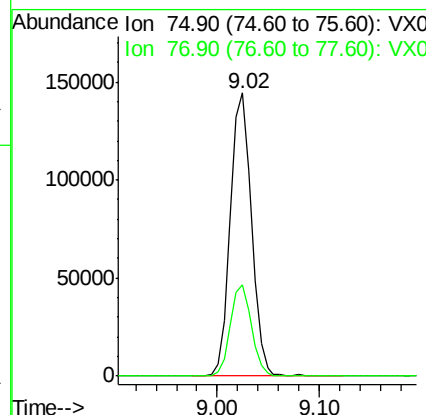
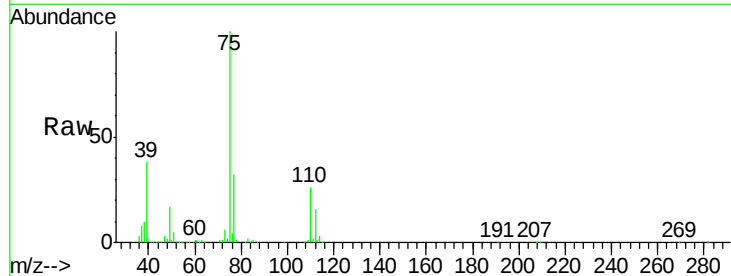
#53
t-1,3-Dichloropropene
Concen: 44.393 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.7	37.1

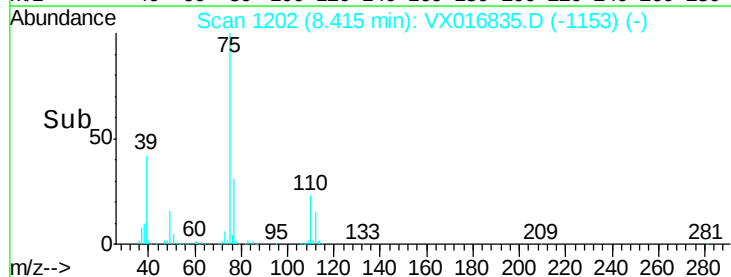
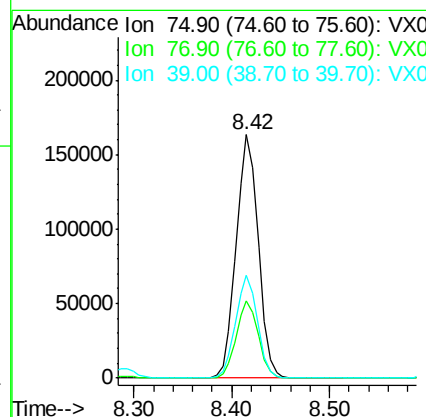
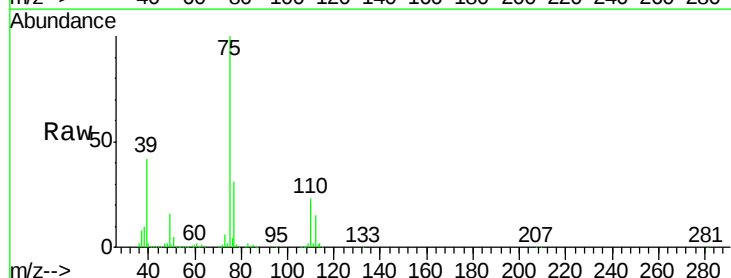
Manual Integrations
APPROVED

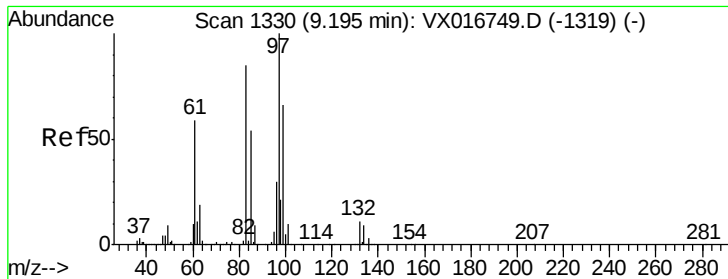
MMDadoda
6/18/2020 11:17:04 AM



#54
cis-1,3-Dichloropropene
Concen: 52.626 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	42.2	33.7	50.5





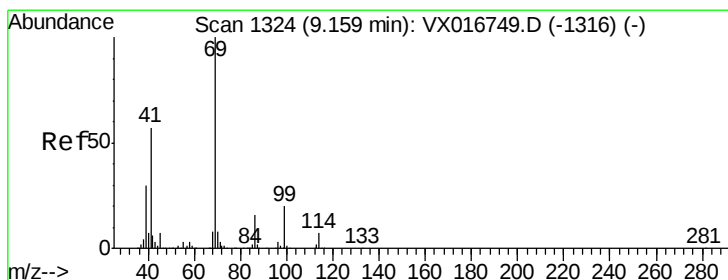
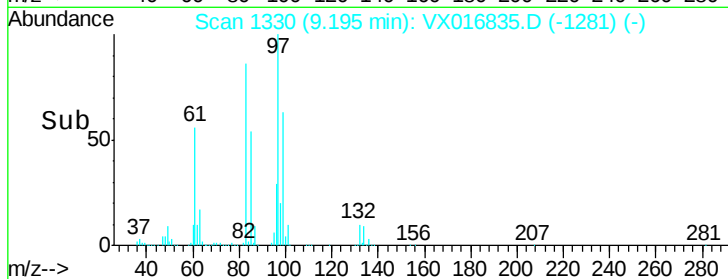
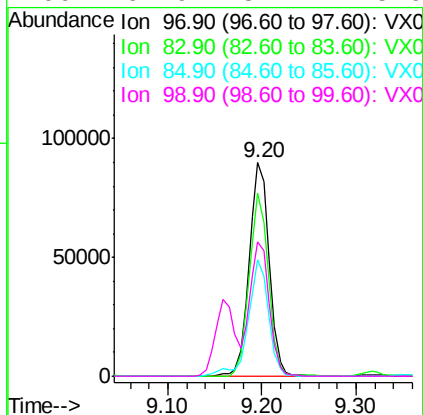
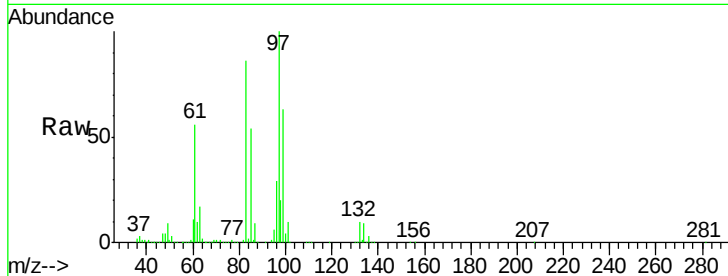
#55
 1,1,2-Trichloroethane
 Concen: 46.128 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016835.D
 Acq: 17 Jun 2020 22:14

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0563MSD

Tot Ion:	97	Resp:	134000
Ion Ratio	Lower	Upper	
97	100		
83	85.7	68.3	102.5
85	54.3	43.5	65.3
99	62.9	52.4	78.6

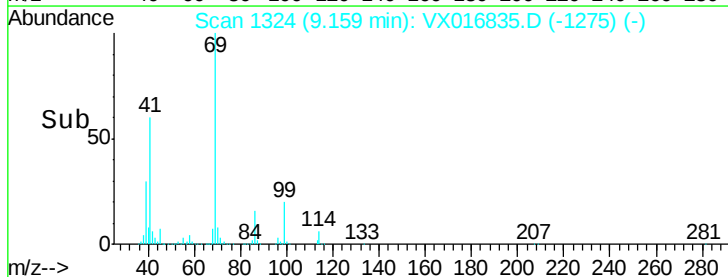
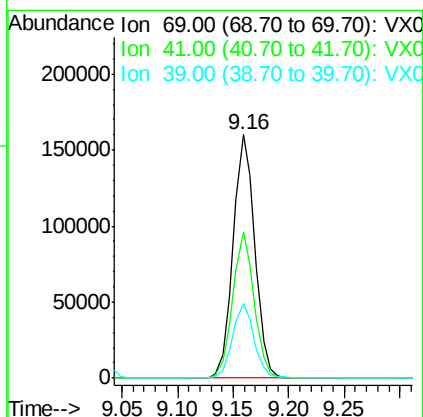
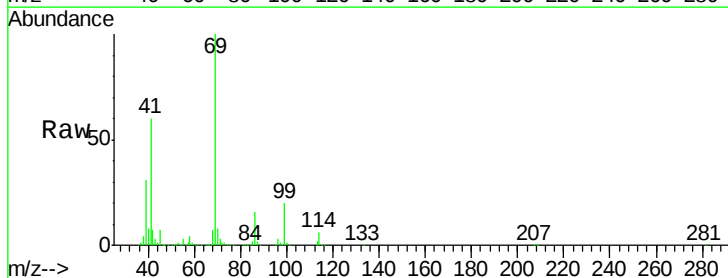
Manual Integrations
 APPROVED

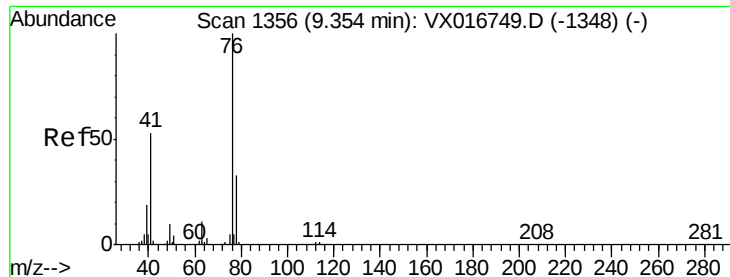
MMDadoda
 6/18/2020 11:17:04 AM



#56
 Ethyl methacrylate
 Concen: 49.629 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016835.D
 Acq: 17 Jun 2020 22:14

Tgt Ion:	69	Resp:	215860
Ion Ratio	Lower	Upper	
69	100		
41	58.8	47.1	70.7
39	30.5	25.0	37.6





#57

1,3-Dichloropropane

Concen: 45.910 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0563MSD

Tot Ion: 76 Resp: 224190

Ion Ratio Lower Upper

76 100

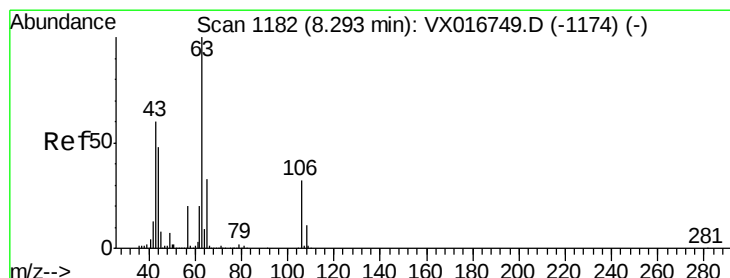
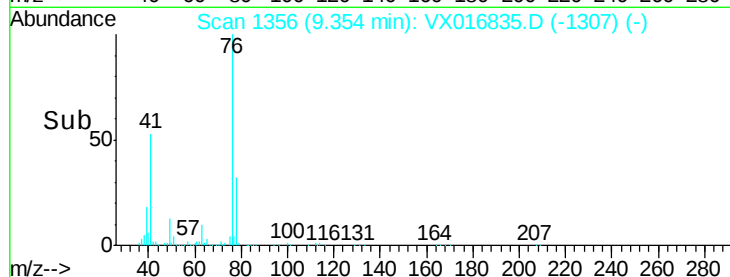
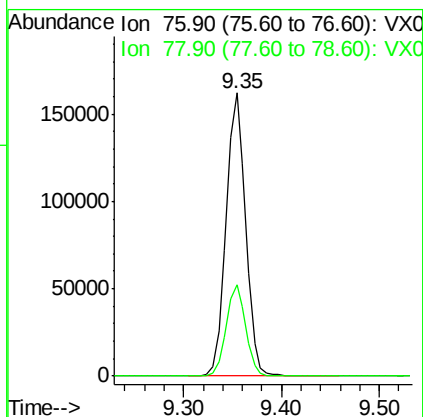
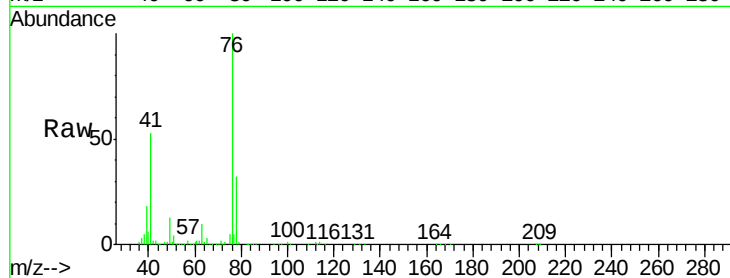
78 32.3 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

6/18/2020 11:17:04 AM



#58

2-Chloroethyl Vinyl ether

Concen: 254.863 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016835.D

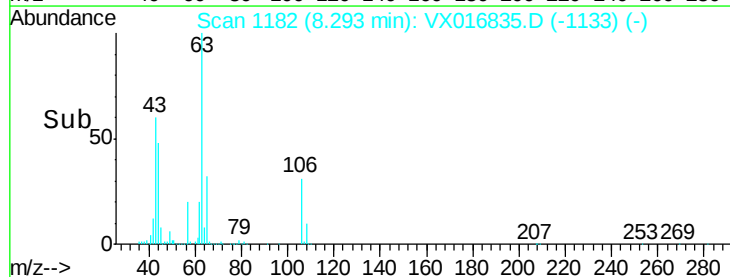
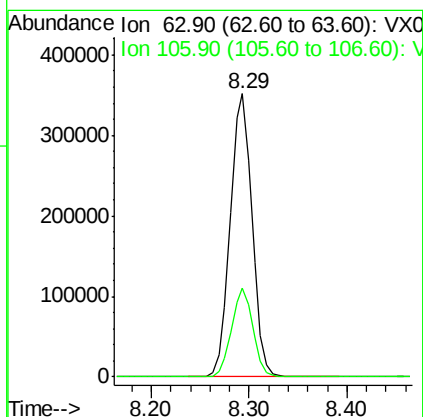
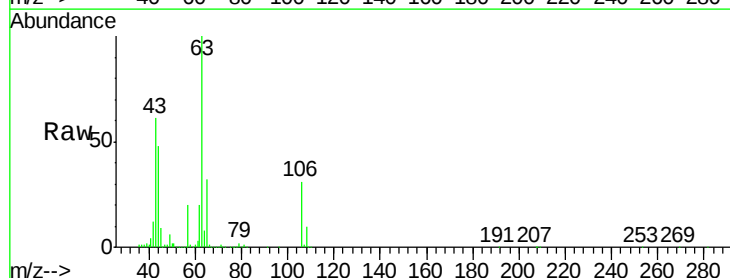
Acq: 17 Jun 2020 22:14

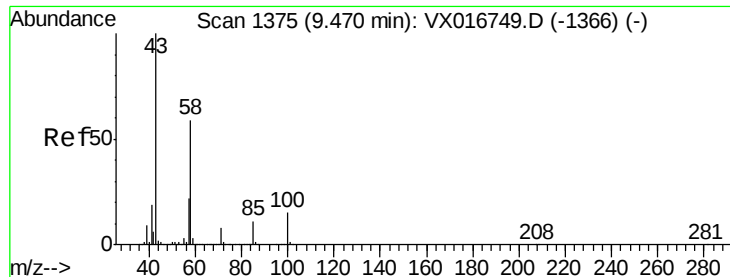
Tgt Ion: 63 Resp: 545043

Ion Ratio Lower Upper

63 100

106 30.5 25.5 38.3





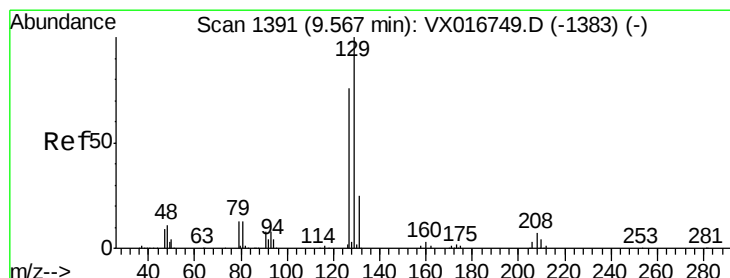
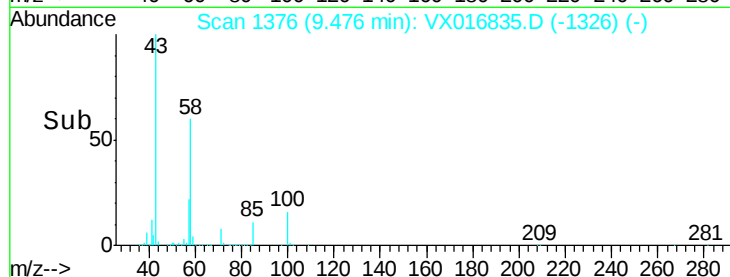
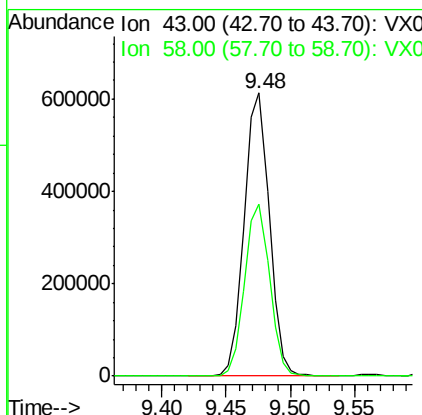
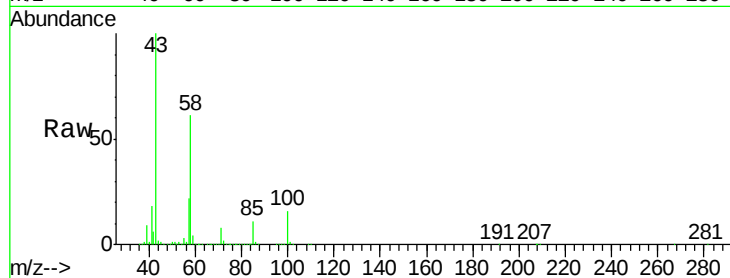
#59
2-Hexanone
Concen: 275.769 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.7	29.9	89.8

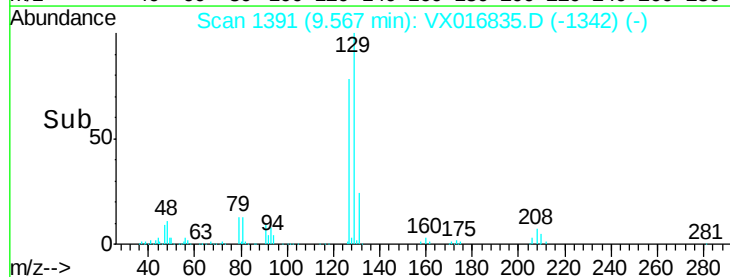
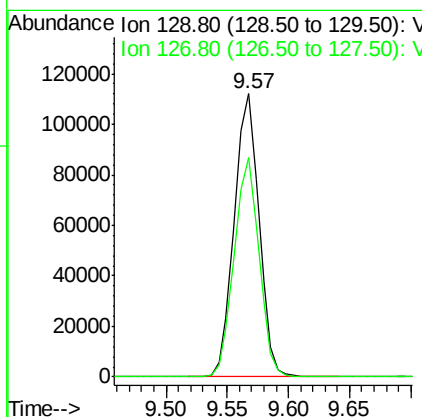
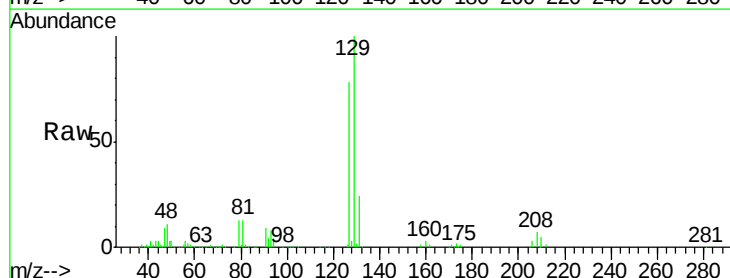
Manual Integrations
APPROVED

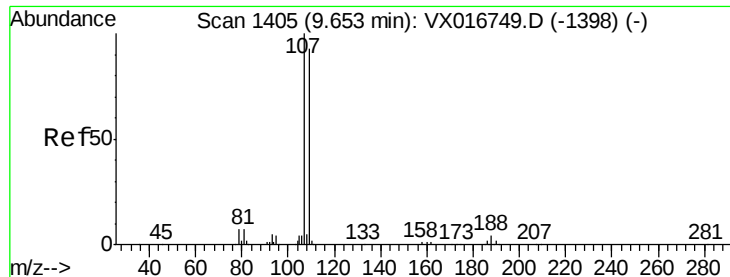
MMDadoda
6/18/2020 11:17:04 AM



#60
Dibromochloromethane
Concen: 45.868 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.7	116.1





#61

1,2-Dibromoethane

Concen: 46.901 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0563MSD

Tot Ion: 107 Resp: 148486

Ion Ratio Lower Upper

107 100

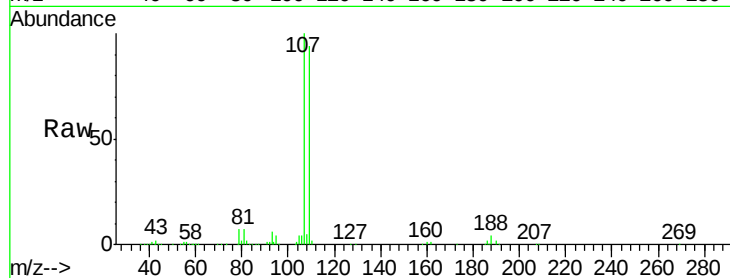
109 94.2 74.2 111.4

Manual Integrations

APPROVED

MMDadoda

6/18/2020 11:17:04 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

120000

100000

80000

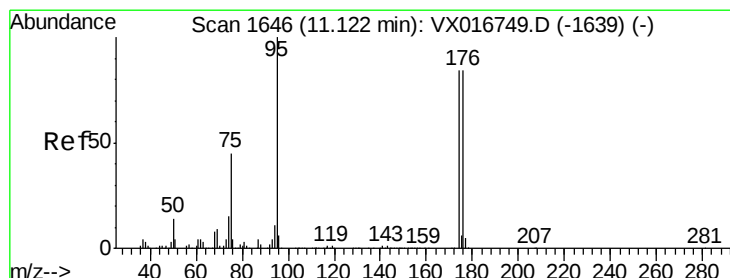
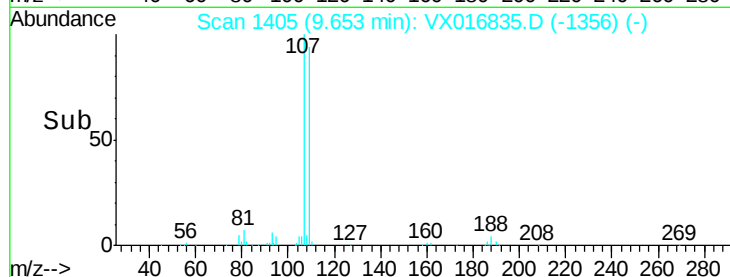
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.763 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

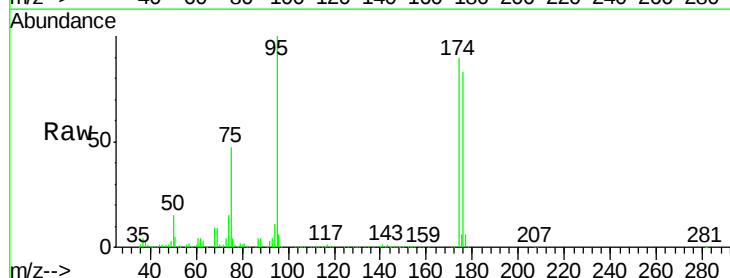
Tgt Ion: 95 Resp: 168185

Ion Ratio Lower Upper

95 100

174 89.4 0.0 171.0

176 85.4 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

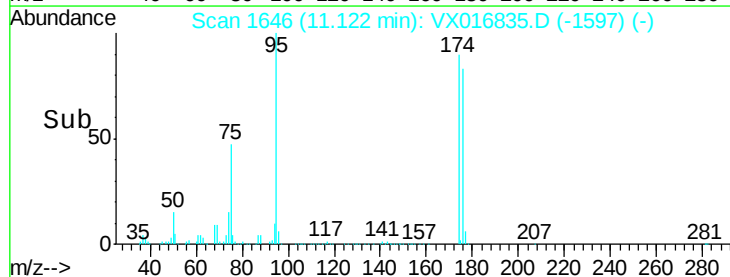
150000

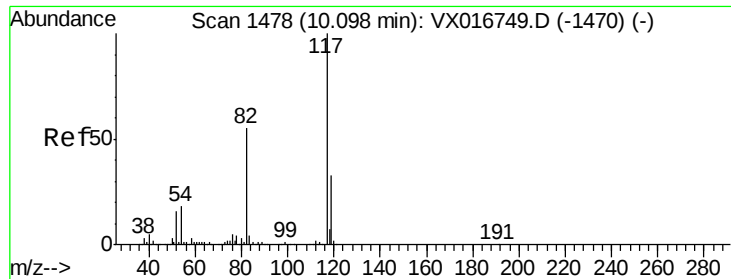
100000

50000

0

Time-->





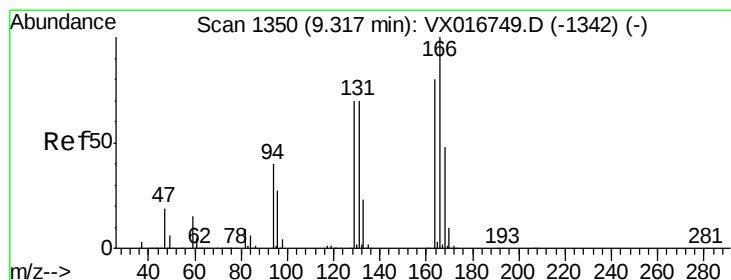
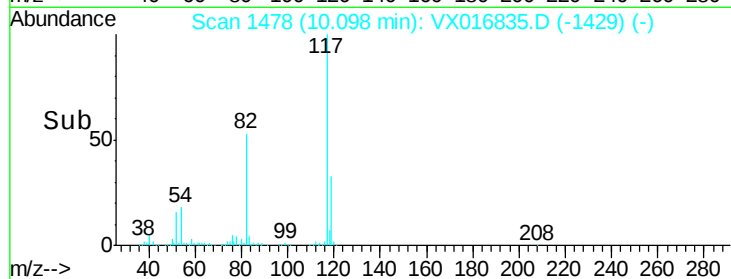
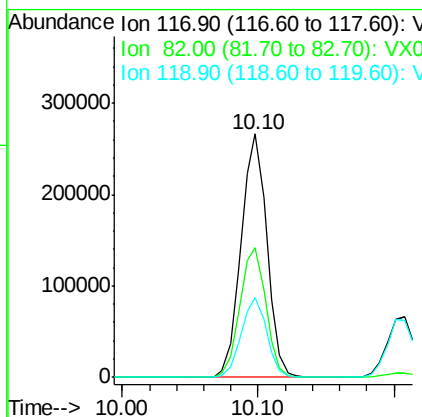
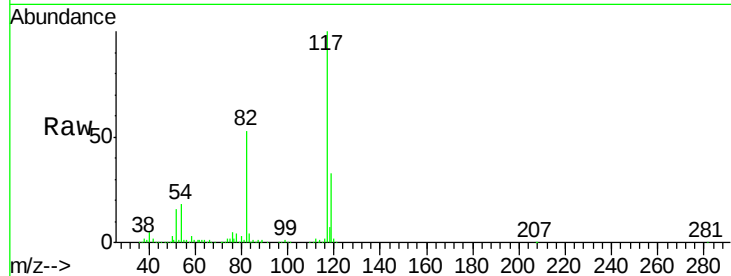
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	352630		
82	53.3	43.8	65.6	
119	32.6	26.2	39.4	

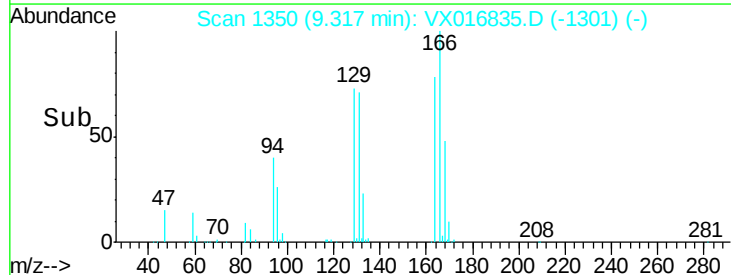
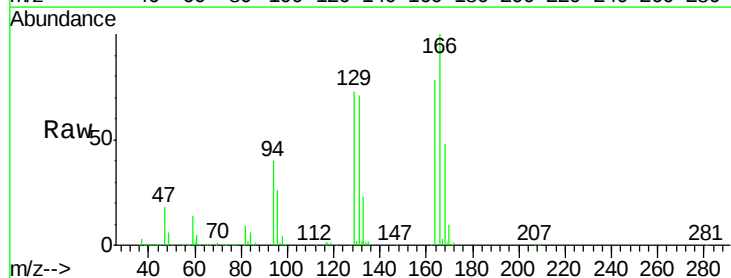
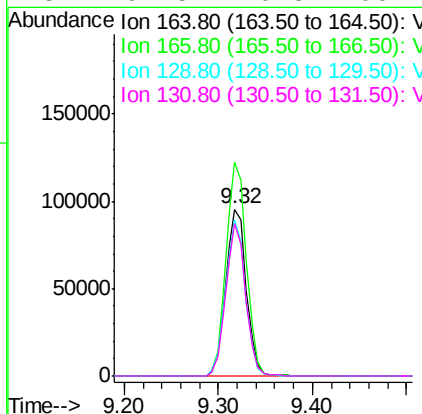
Manual Integrations
APPROVED

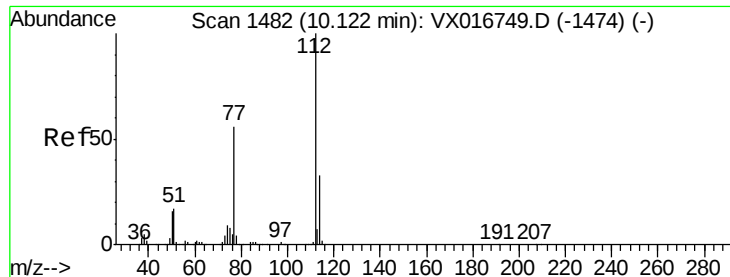
MMDadoda
6/18/2020 11:17:04 AM



#64
Tetrachloroethene
Concen: 42.371 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	143474		
166	128.2	100.6	150.8	
129	93.6	70.1	105.1	
131	91.5	70.8	106.2	





#65

Chlorobenzene

Concen: 50.239 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0563MSD

Tot Ion:112 Resp: 359473

Ion Ratio Lower Upper

112 100

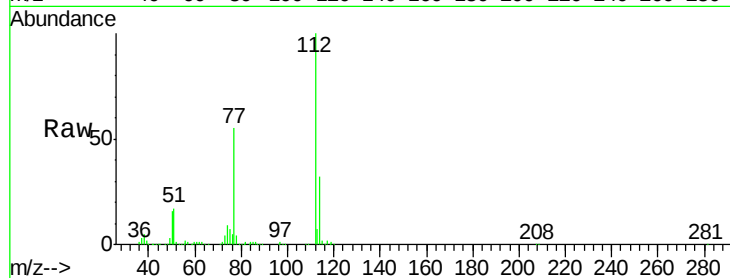
114 31.7 26.2 39.4

Manual Integrations

APPROVED

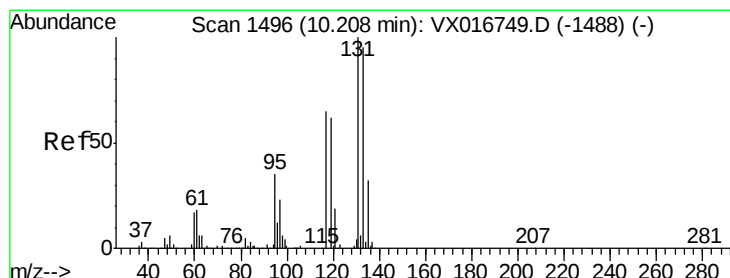
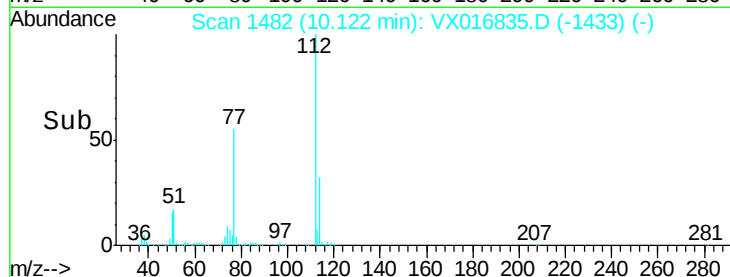
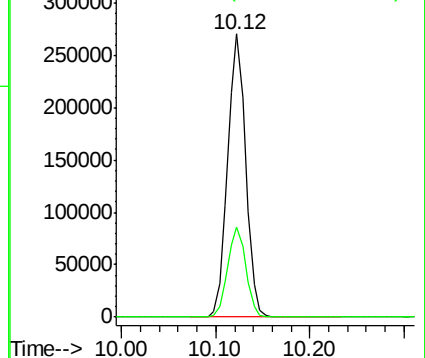
MMDadoda

6/18/2020 11:17:04 AM



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: 49.508 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

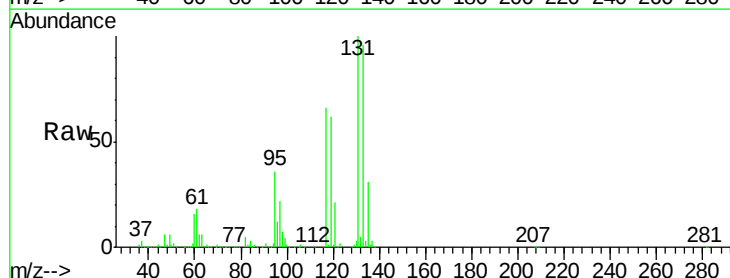
Tgt Ion:131 Resp: 141316

Ion Ratio Lower Upper

131 100

133 97.1 46.8 140.3

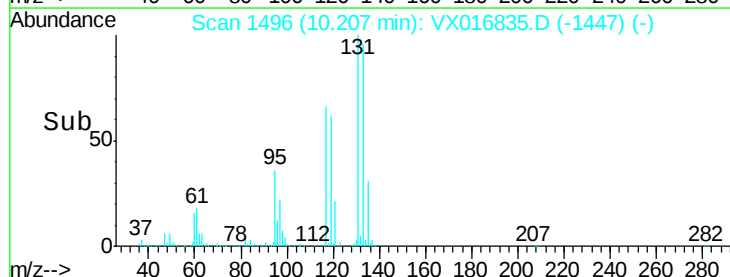
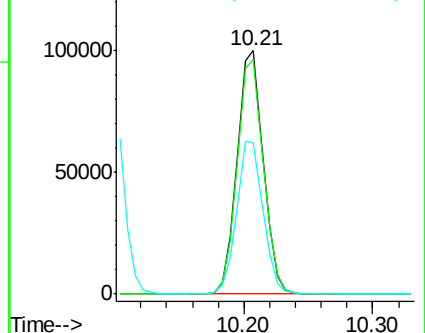
119 63.4 31.4 94.0

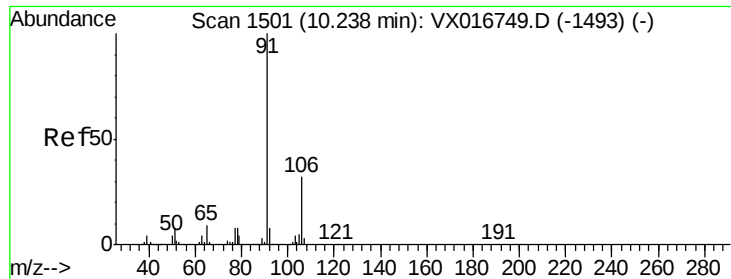


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





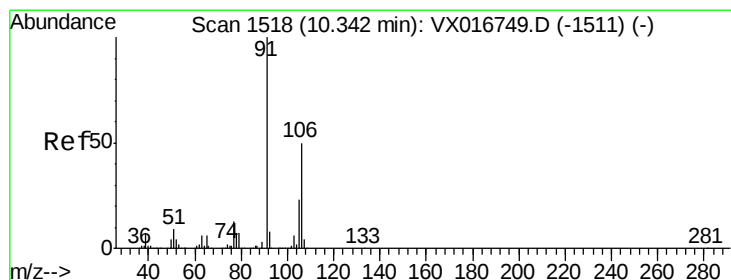
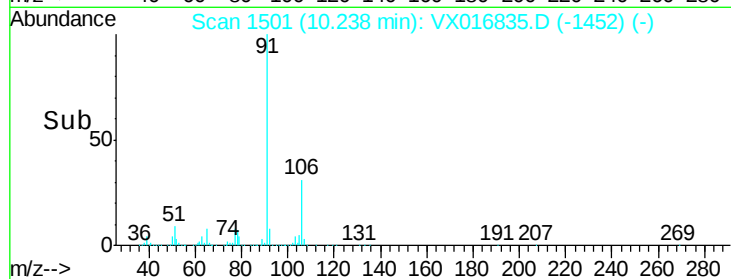
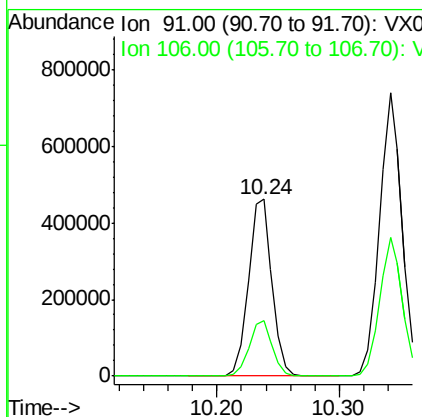
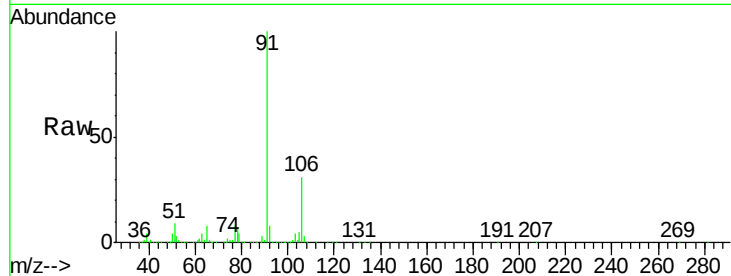
#67
Ethyl Benzene
Concen: 50.626 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion: 91 Resp: 612374
Ion Ratio Lower Upper
91 100
106 31.5 25.3 37.9

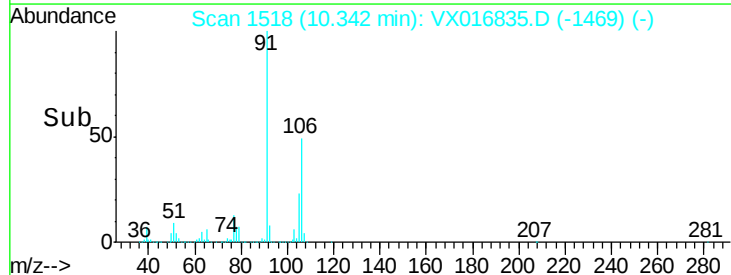
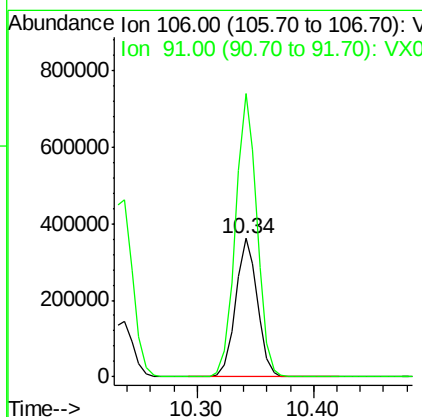
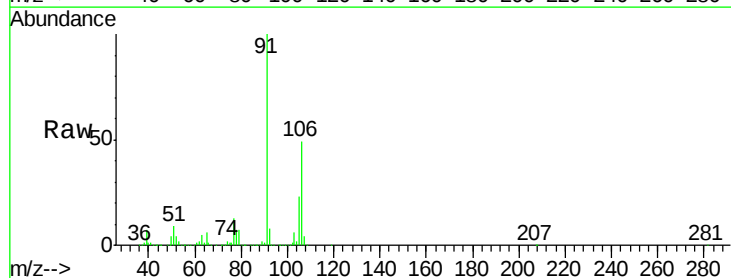
Manual Integrations
APPROVED

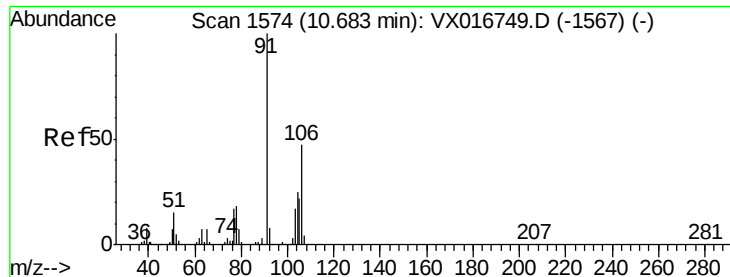
MMDadoda
6/18/2020 11:17:04 AM



#68
m/p-Xylenes
Concen: 102.303 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion: 106 Resp: 469192
Ion Ratio Lower Upper
106 100
91 202.0 161.2 241.8





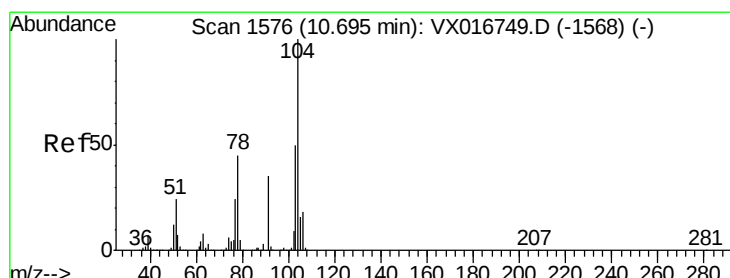
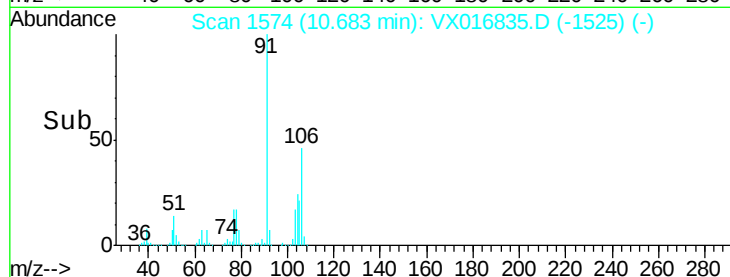
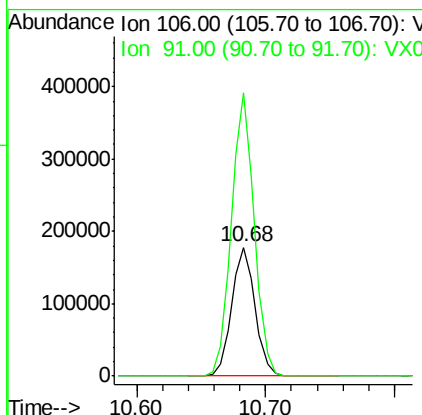
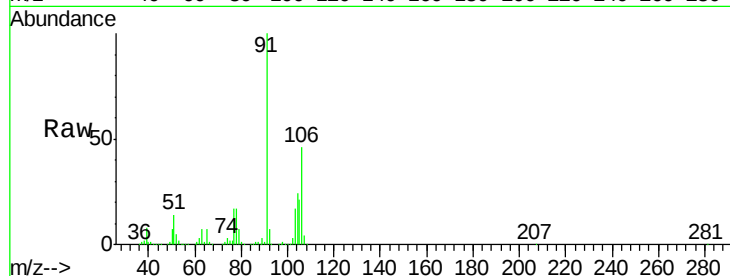
#69
o-Xylene
Concen: 51.005 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		225360		
91	215.4	106.9	320.8		

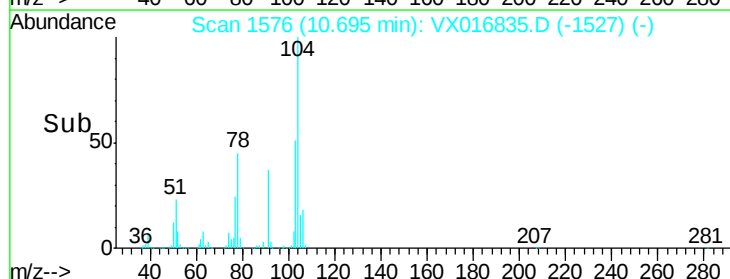
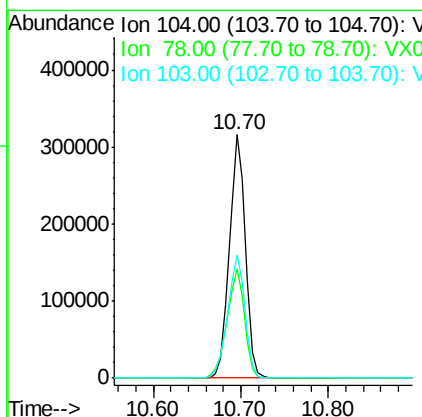
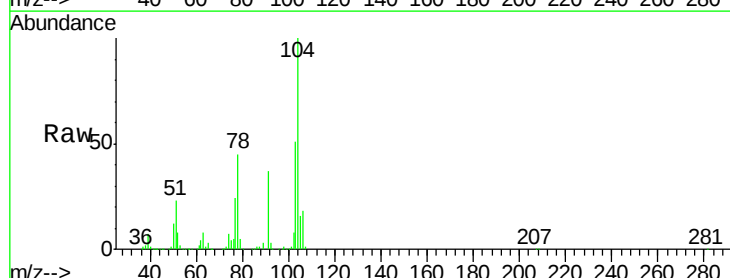
Manual Integrations
APPROVED

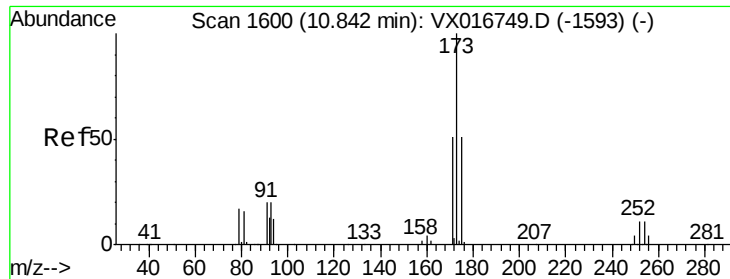
MMDadoda
6/18/2020 11:17:04 AM



#70
Styrene
Concen: 52.516 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		401120		
78	48.9	39.8	59.8		
103	54.6	43.4	65.2		





#71

Bromoform

Concen: 53.637 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0563MSD

Tot Ion:173 Resp: 130629

Ion Ratio Lower Upper

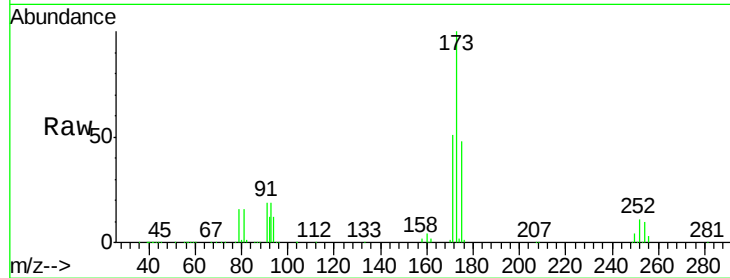
173 100

175 48.8 25.1 75.4

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

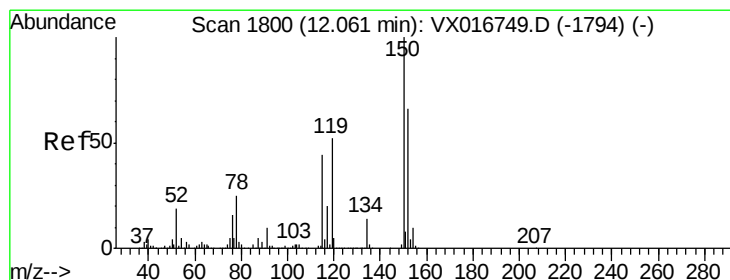
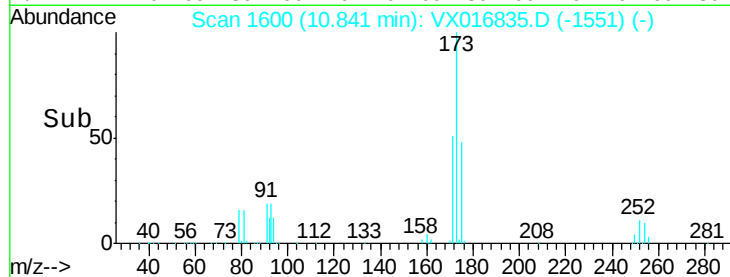
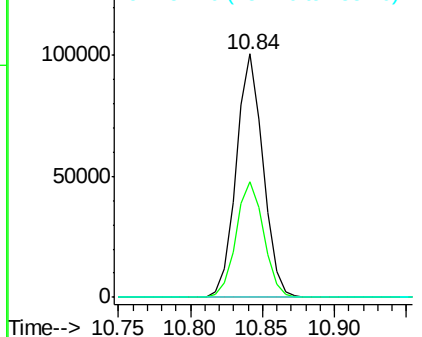
MMDadoda
6/18/2020 11:17:04 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

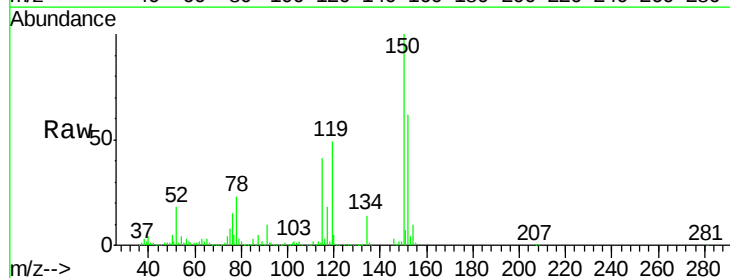
Tgt Ion:152 Resp: 182190

Ion Ratio Lower Upper

152 100

115 77.8 40.3 120.8

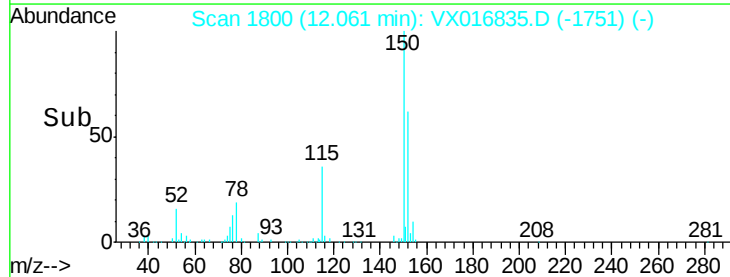
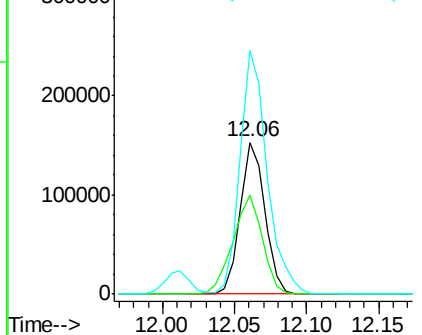
150 175.8 0.0 337.4

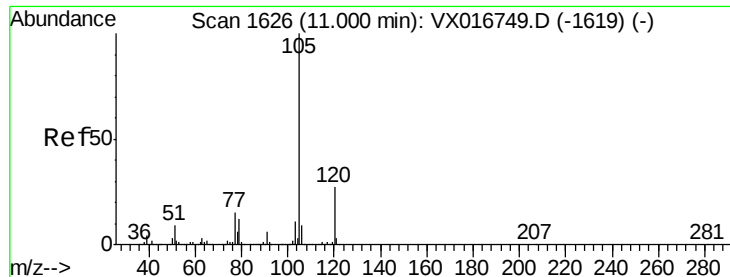


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.376 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0563MSD

Tot Ion:105 Resp: 590267

Ion Ratio Lower Upper

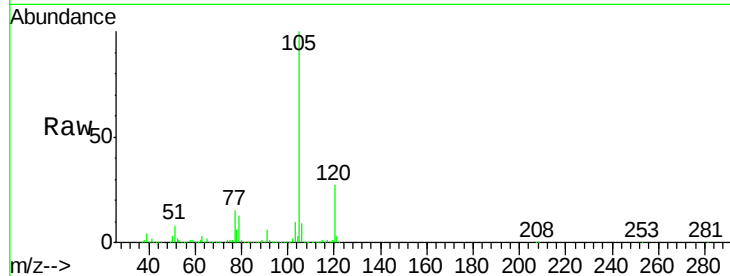
105 100

120 26.4 13.2 39.5

Manual Integrations
APPROVED

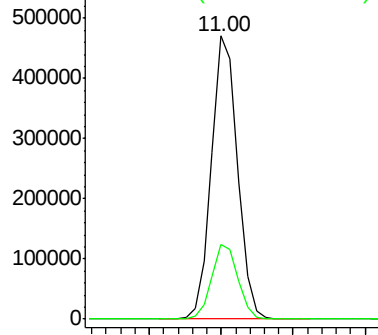
MMDadoda

6/18/2020 11:17:04 AM

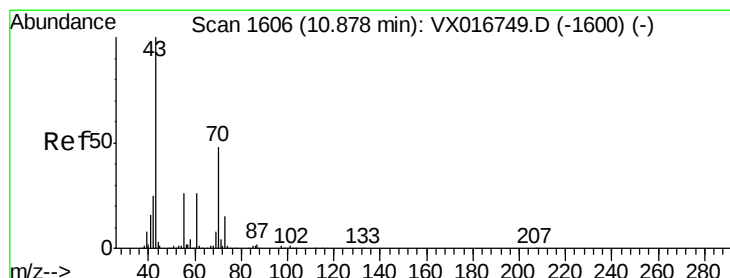
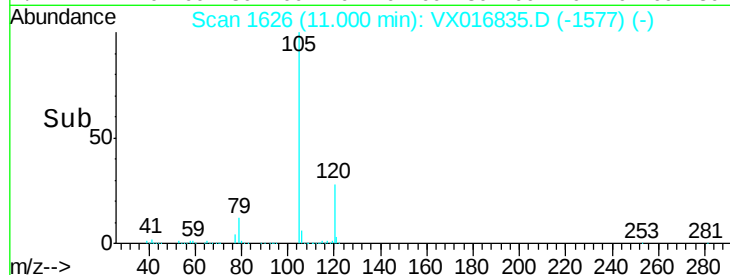


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 57.584 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Tgt Ion: 43 Resp: 267552

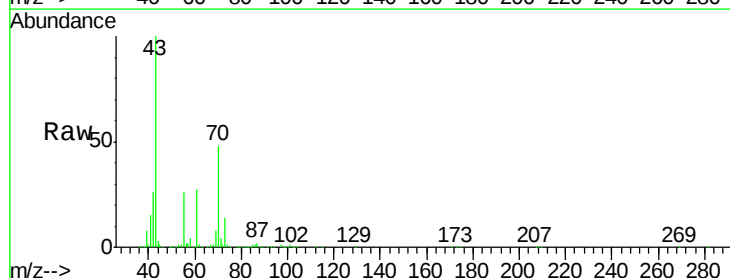
Ion Ratio Lower Upper

43 100

70 49.6 39.8 59.6

55 27.6 21.7 32.5

61 26.9 21.6 32.4

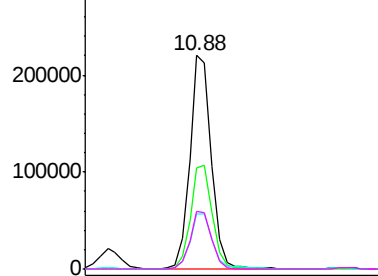


Abundance Ion 43.00 (42.70 to 43.70): VX0

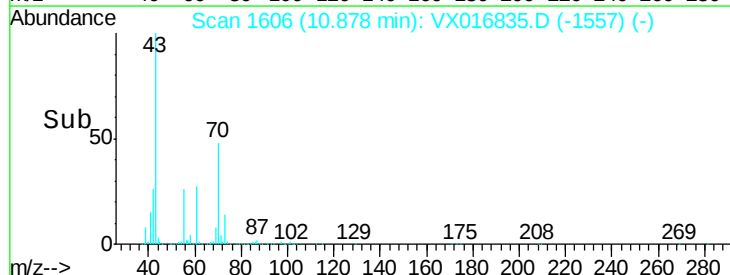
Ion 70.00 (69.70 to 70.70): VX0

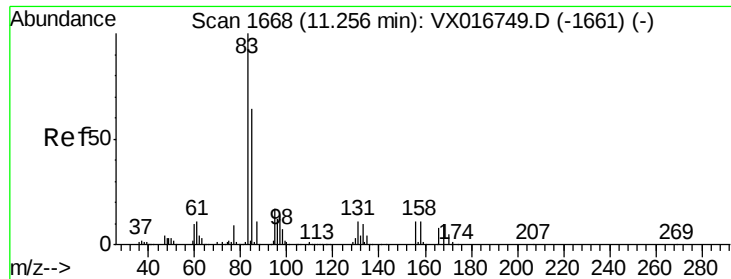
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.934 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

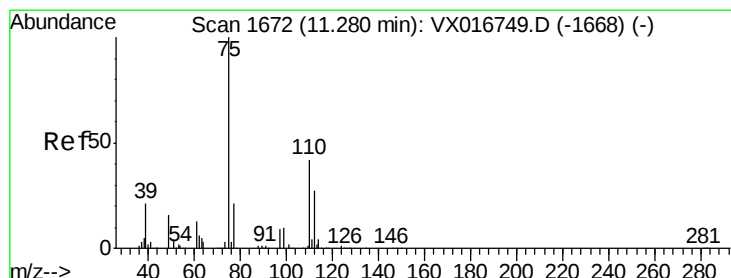
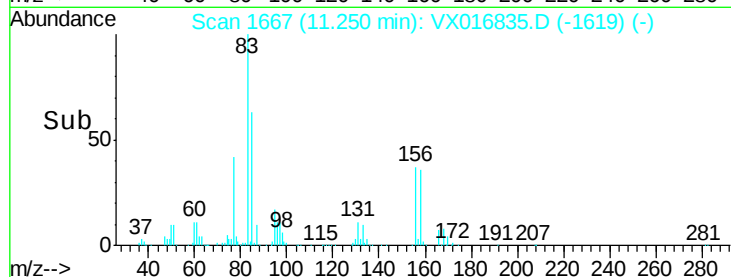
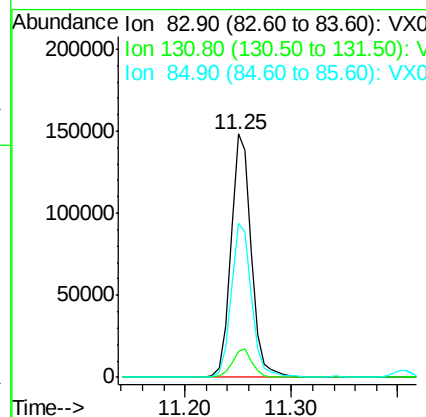
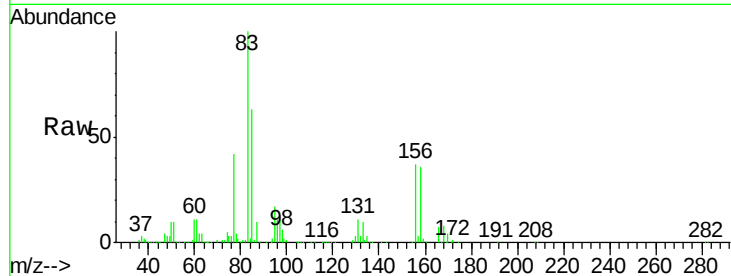
ClientSampleId :

S49-0563MSD

Tot Ion:	83	Resp:	196697
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.0
85	64.1	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
6/18/2020 11:17:04 AM



#76

1,2,3-Trichloropropane

Concen: 51.625 ug/l m

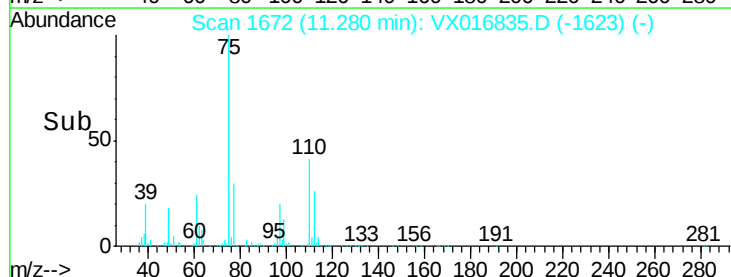
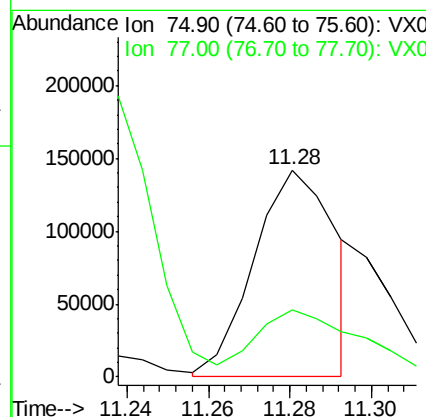
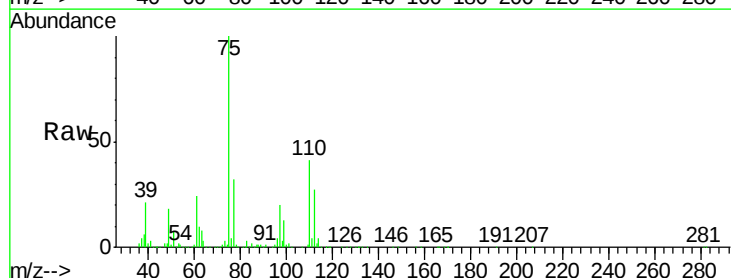
RT: 11.28 min Scan# 1672

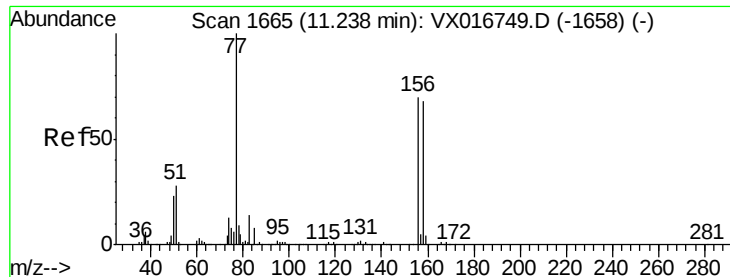
Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Tgt Ion:	75	Resp:	197795
Ion Ratio	Lower	Upper	
75	100		
77	41.6	20.3	60.9





#77

Bromobenzene

Concen: 48.871 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

ClientSampleId :

S49-0563MSD

Tot Ion:156 Resp: 164959

Ion Ratio Lower Upper

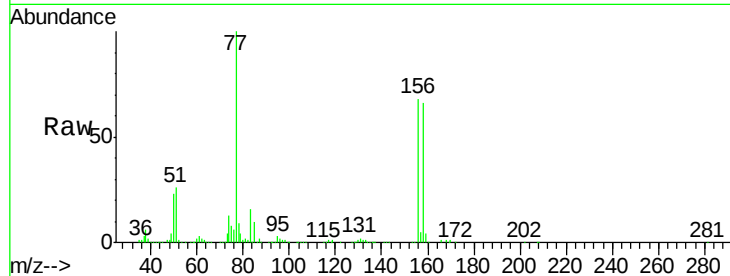
156 100

77 146.3 73.2 219.6

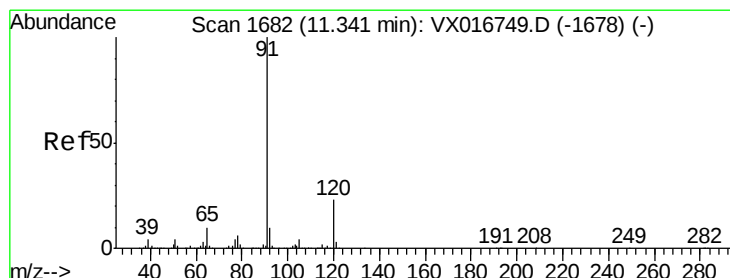
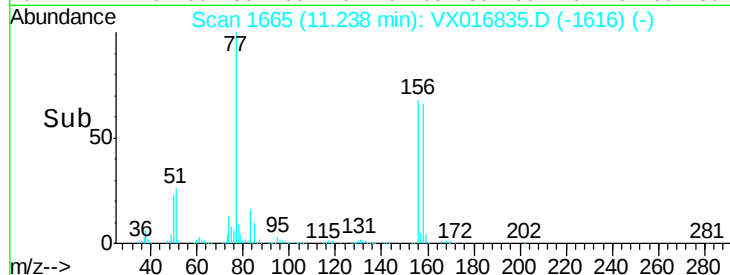
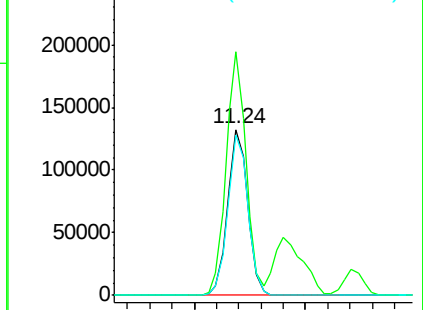
158 96.8 48.8 146.4

Manual Integrations
APPROVED

MMDadoda
6/18/2020 11:17:04 AM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.667 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX016835.D

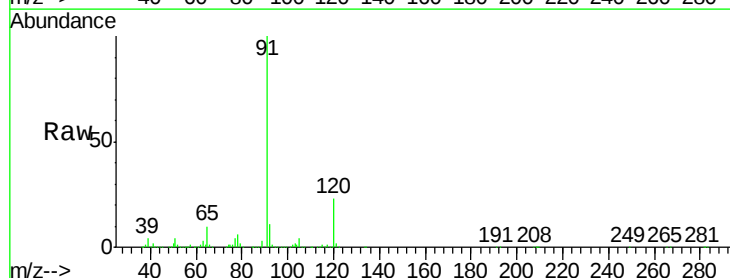
Acq: 17 Jun 2020 22:14

Tgt Ion: 91 Resp: 657782

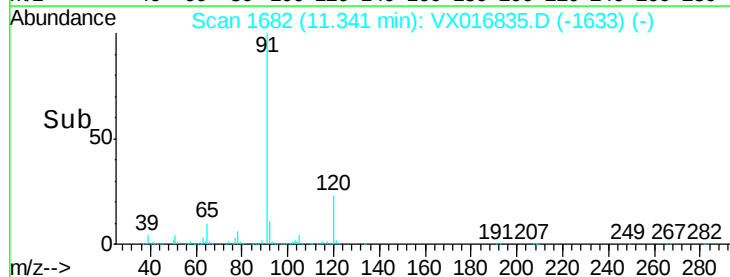
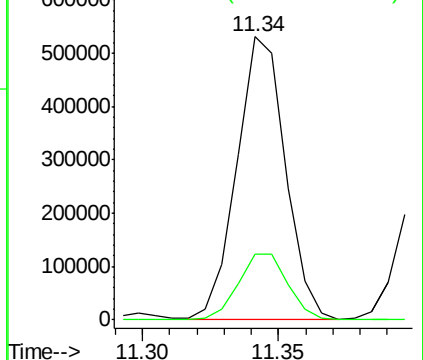
Ion Ratio Lower Upper

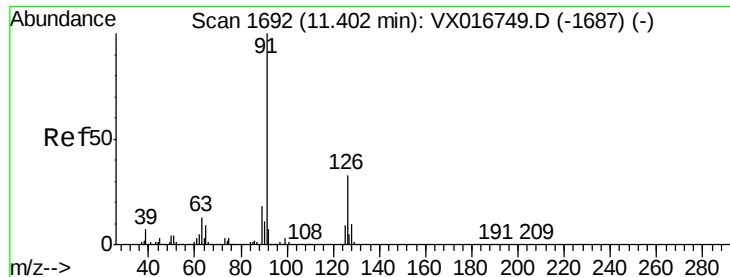
91 100

120 23.7 12.0 36.0



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





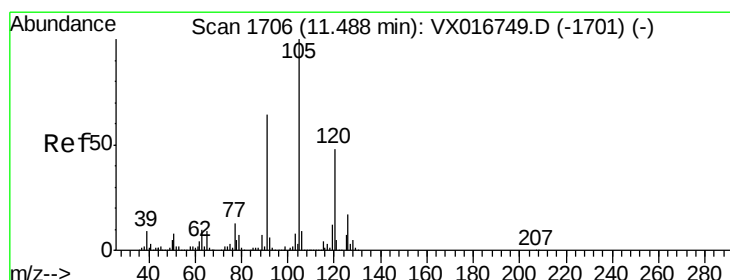
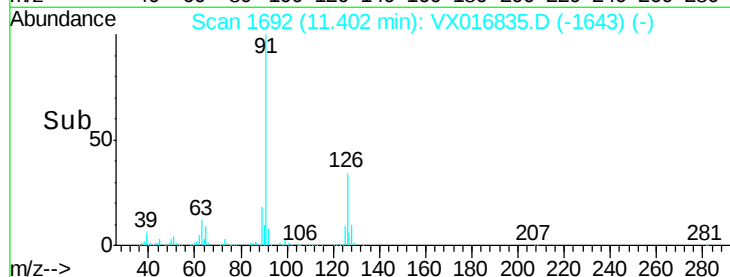
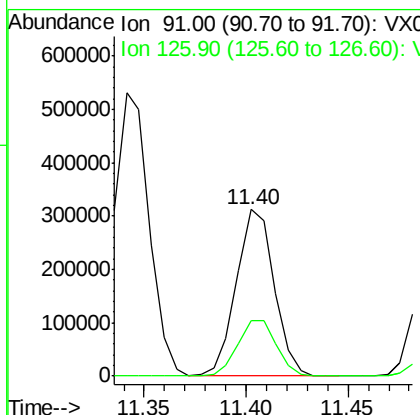
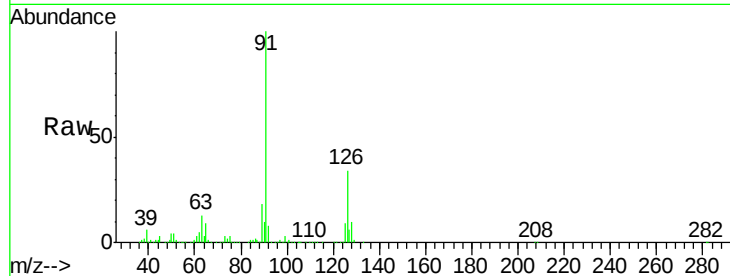
#79
2-Chlorotoluene
Concen: 49.321 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.2	51.5

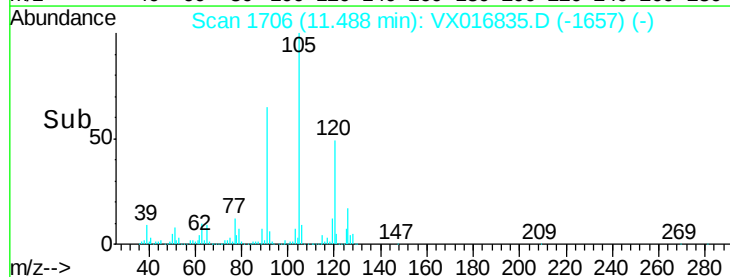
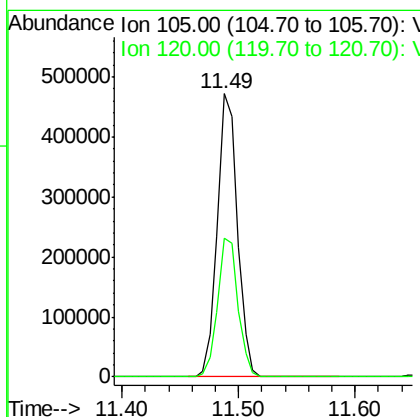
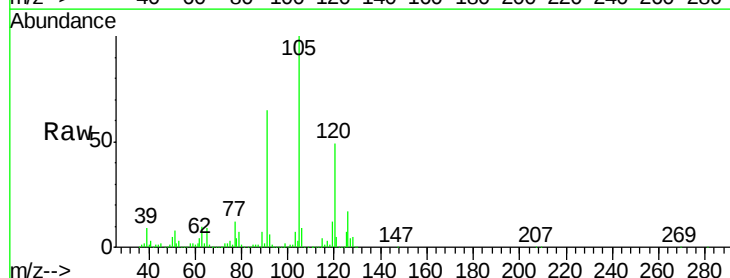
Manual Integrations
APPROVED

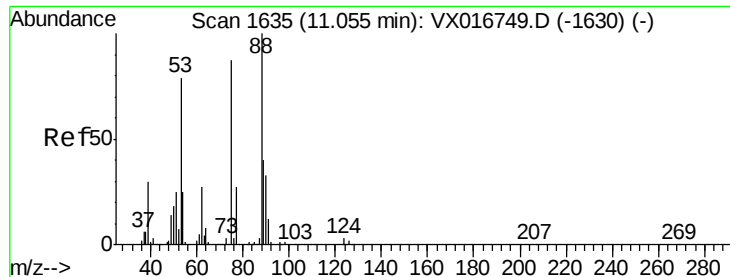
MMDadoda
6/18/2020 11:17:04 AM



#80
1,3,5-Trimethylbenzene
Concen: 55.683 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.4	73.4





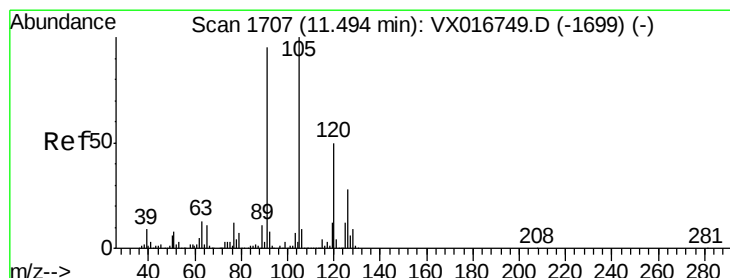
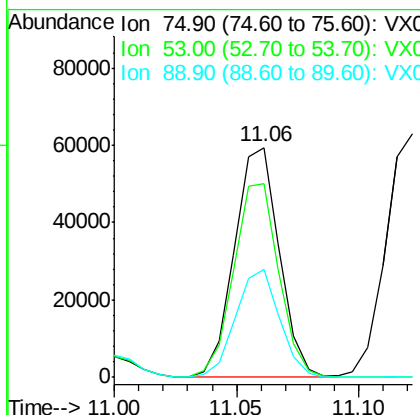
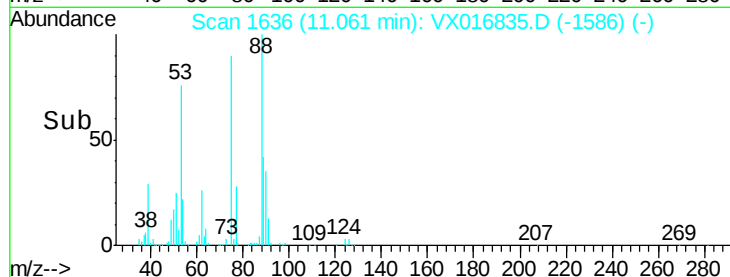
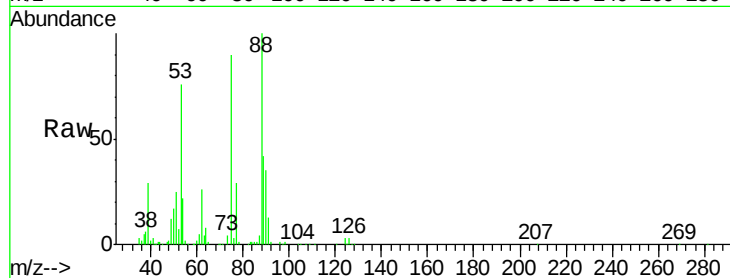
#81
trans-1,4-Dichloro-2-butene
Concen: 49.295 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.1	71.4	107.0
89	46.6	39.1	58.7

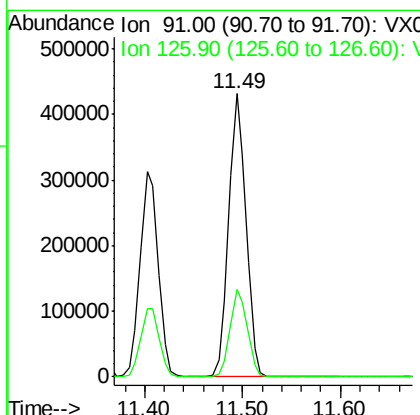
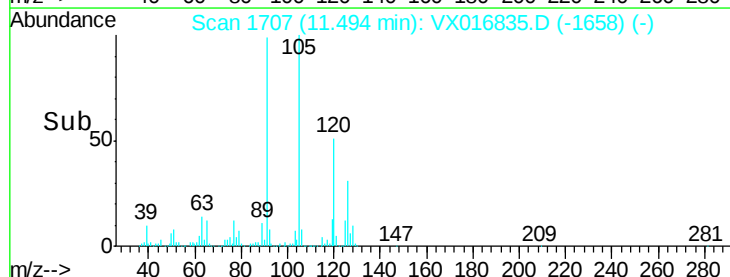
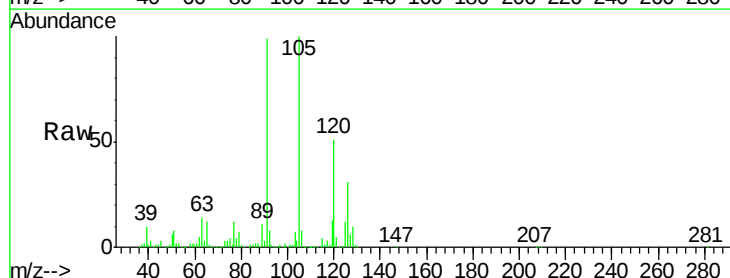
Manual Integrations
APPROVED

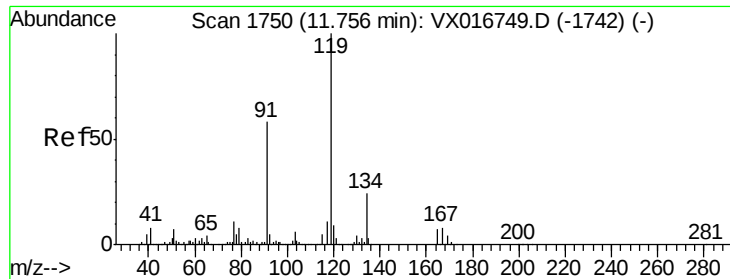
MMDadoda
6/18/2020 11:17:04 AM



#82
4-Chlorotoluene
Concen: 55.319 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.2	45.6





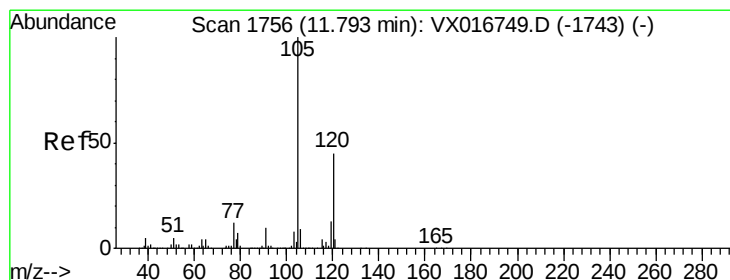
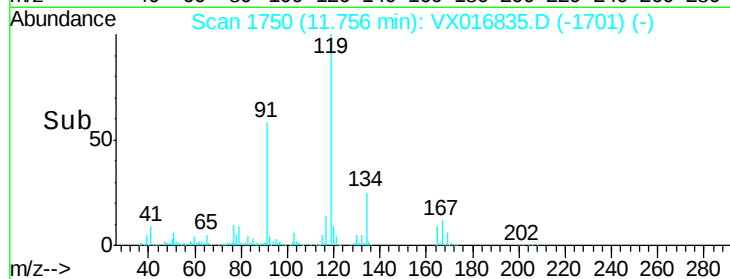
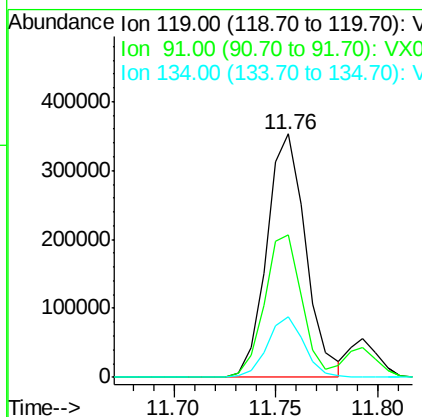
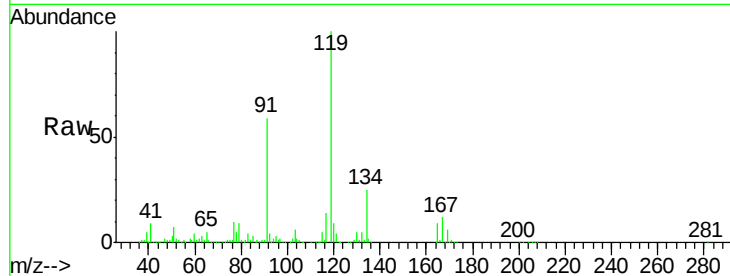
#83
tert-Butylbenzene
Concen: 51.272 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.2	29.3	88.0
134	23.3	11.8	35.3

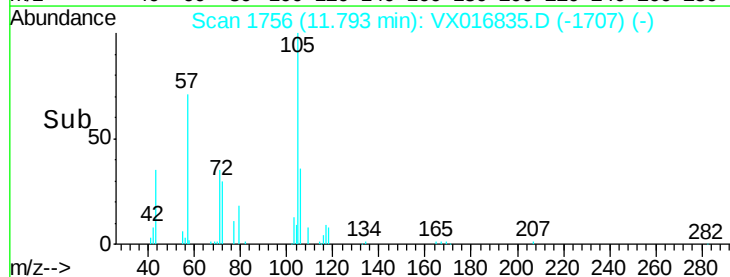
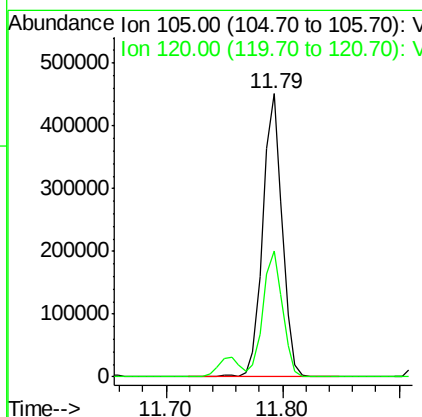
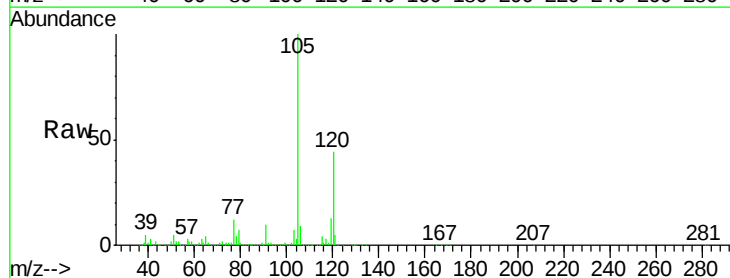
Manual Integrations
APPROVED

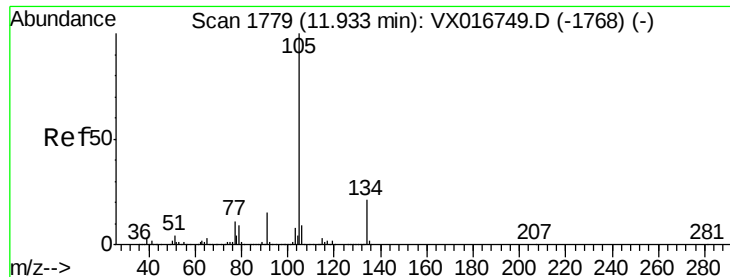
MMDadoda
6/18/2020 11:17:04 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.658 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.6	67.8





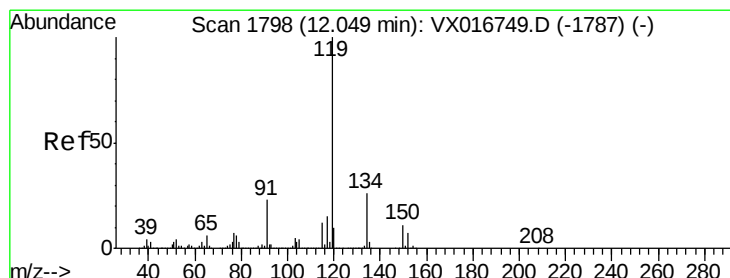
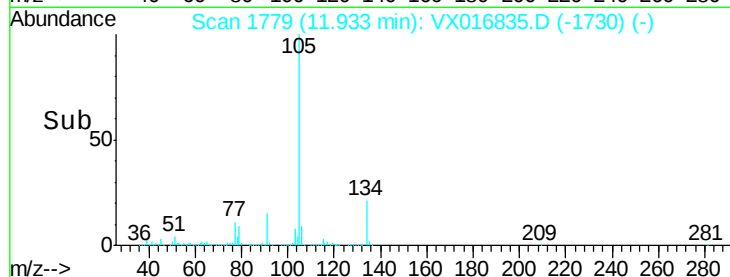
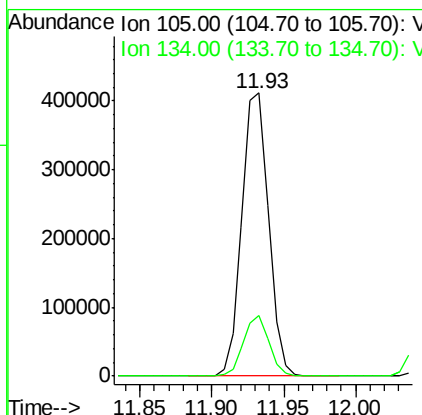
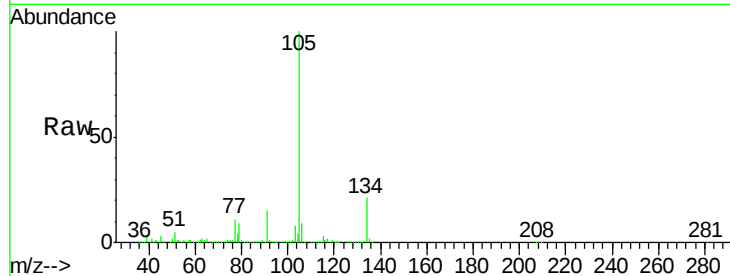
#85
 sec-Butylbenzene
 Concen: 49.362 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016835.D
 Acq: 17 Jun 2020 22:14

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0563MSD

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.3	30.8

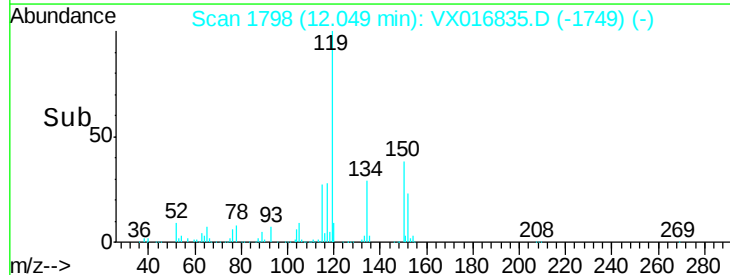
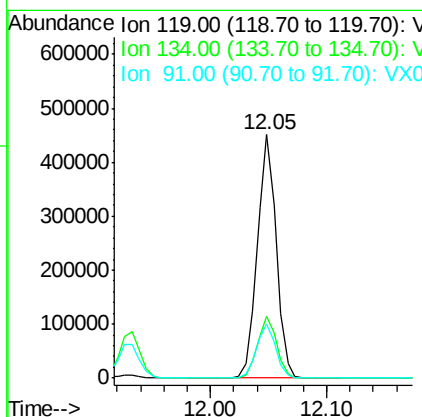
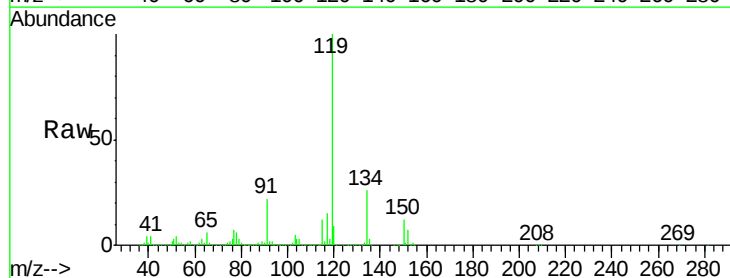
Manual Integrations
 APPROVED

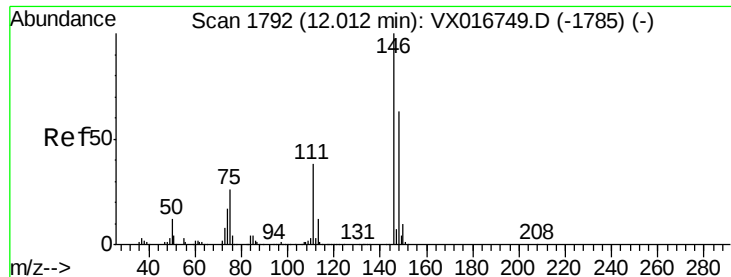
MMDadoda
 6/18/2020 11:17:04 AM



#86
 p-Isopropyltoluene
 Concen: 49.767 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016835.D
 Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	38.9
91	22.7	11.6	34.7





#87

1,3-Dichlorobenzene

Concen: 49.959 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Instrument :

MSVOA_X

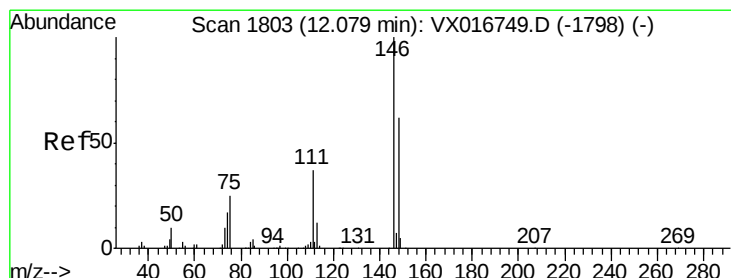
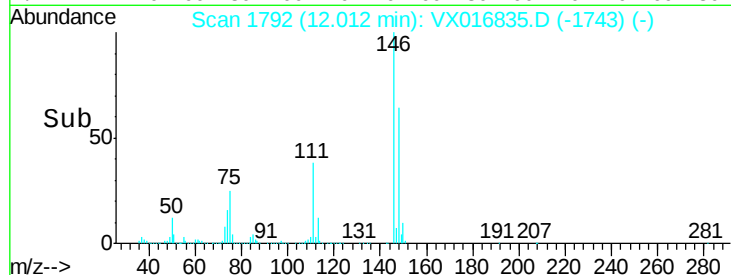
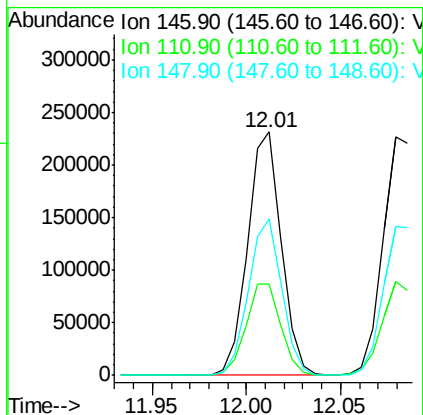
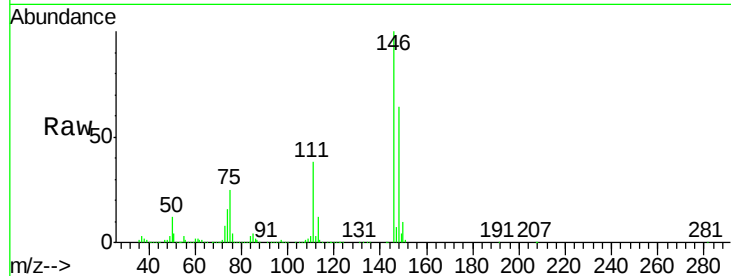
ClientSampleId :

S49-0563MSD

Tot Ion:	146	Resp:	285092
Ion Ratio		Lower	Upper
146	100		
111	39.1	19.8	59.3
148	64.1	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
6/18/2020 11:17:04 AM



#88

1,4-Dichlorobenzene

Concen: 48.980 ug/l

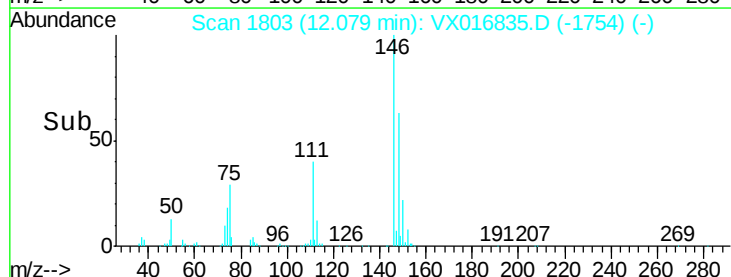
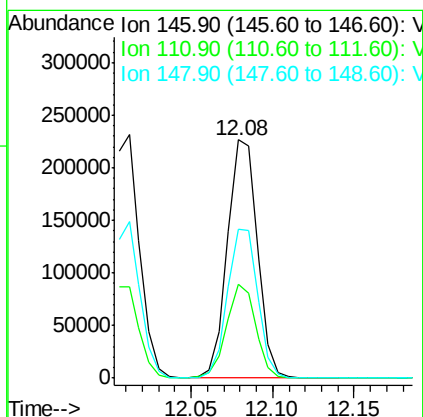
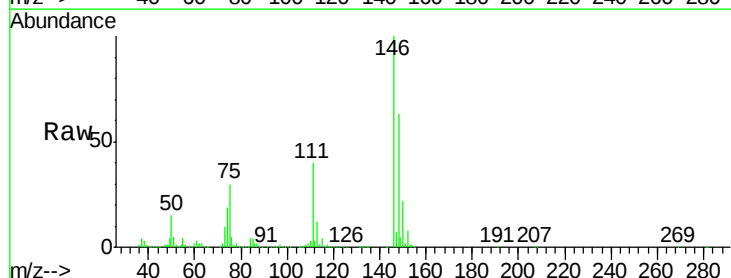
RT: 12.08 min Scan# 1803

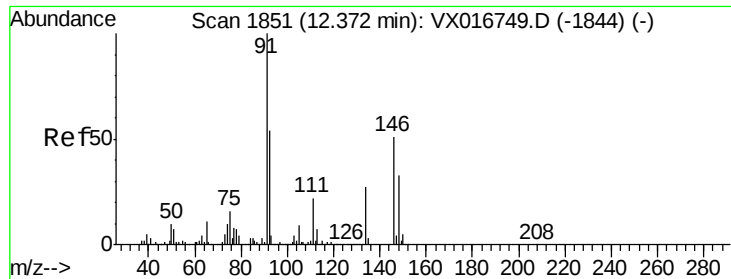
Delta R.T. -0.00 min

Lab File: VX016835.D

Acq: 17 Jun 2020 22:14

Tgt Ion:	146	Resp:	289857
Ion Ratio		Lower	Upper
146	100		
111	38.5	19.3	57.8
148	63.1	32.1	96.5





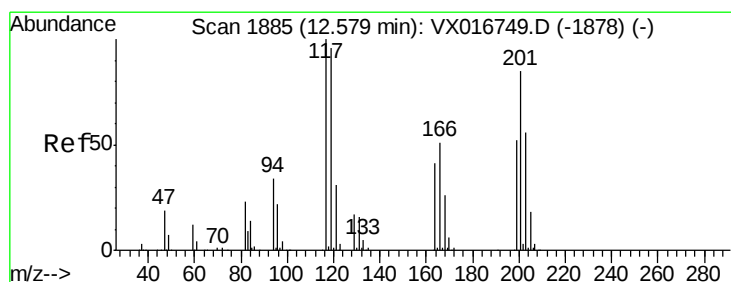
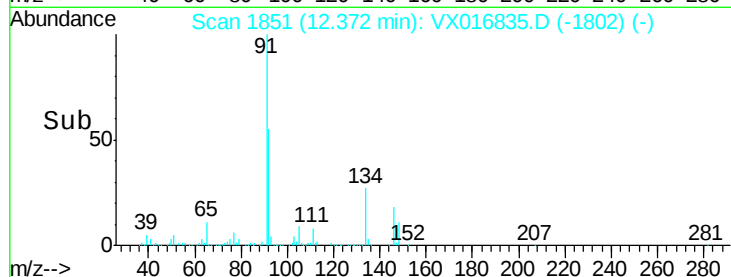
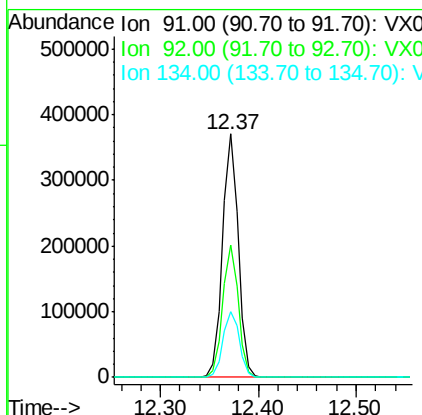
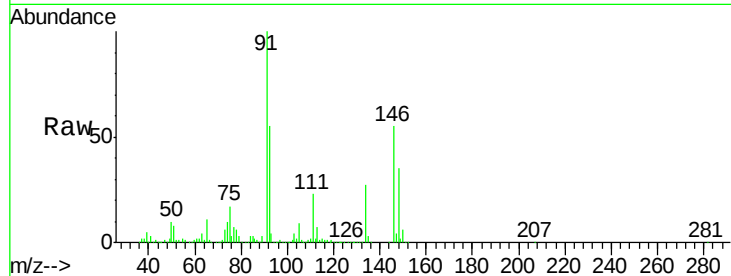
#89
n-Butylbenzene
Concen: 48.558 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.0	80.8
134	28.0	13.7	41.0

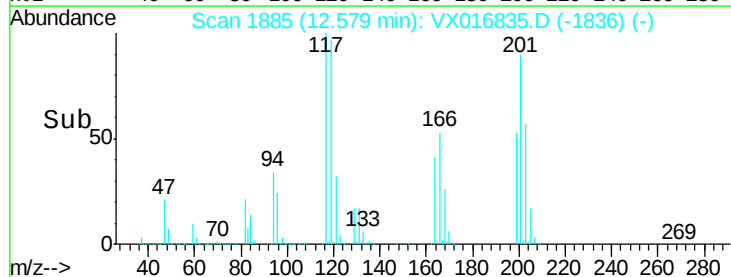
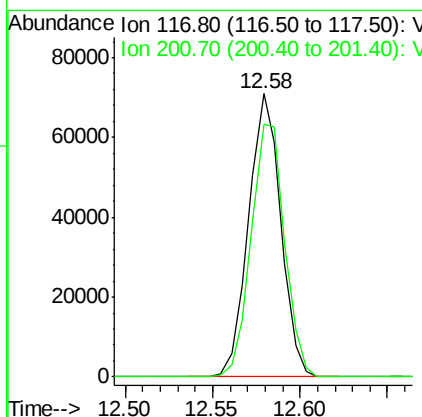
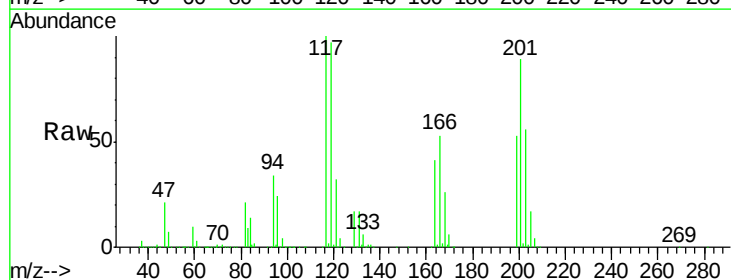
Manual Integrations
APPROVED

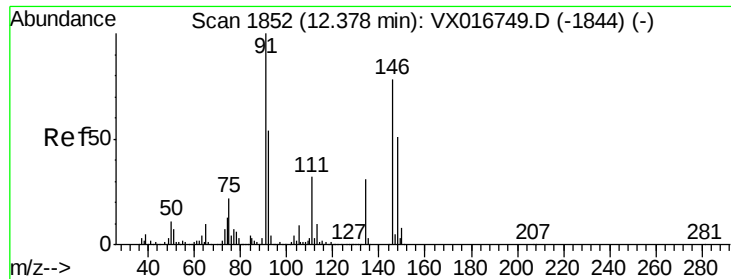
MMDadoda
6/18/2020 11:17:04 AM



#90
Hexachloroethane
Concen: 47.805 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.9	45.6	136.9





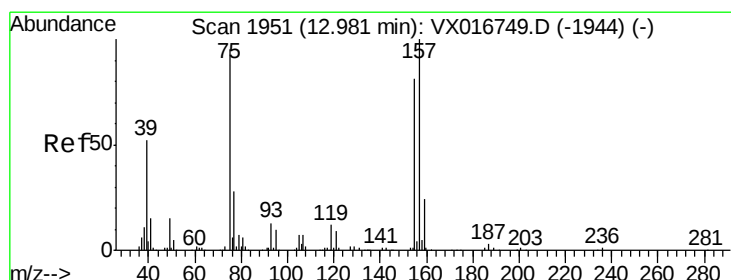
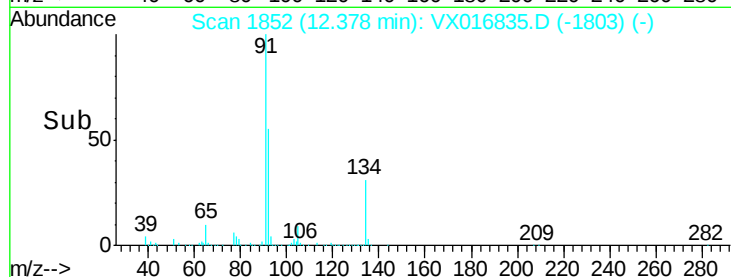
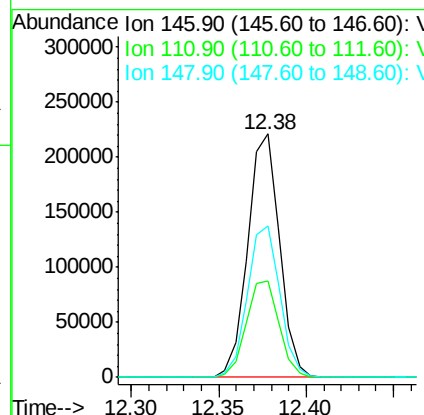
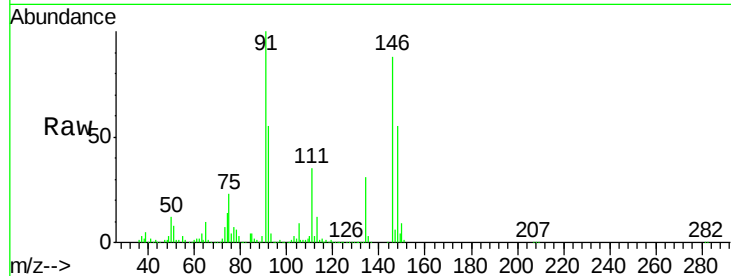
#91
 1,2-Dichlorobenzene
 Concen: 48.864 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016835.D
 Acq: 17 Jun 2020 22:14

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0563MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	278851		
111	41.0	20.8	62.2	
148	63.3	32.1	96.5	

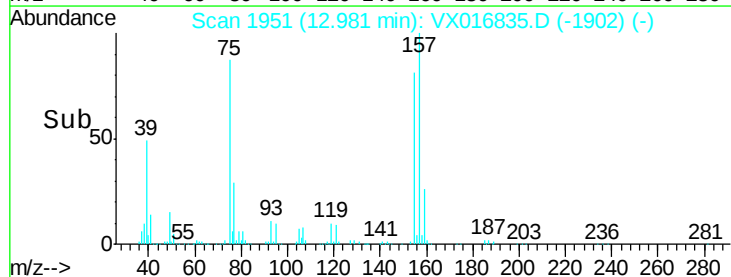
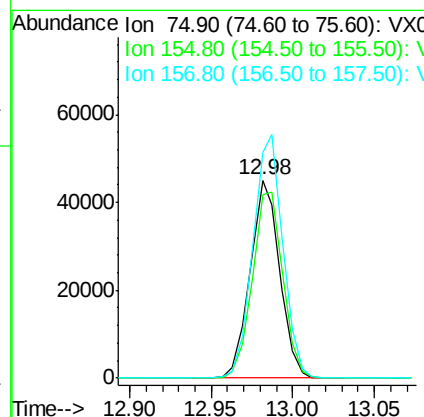
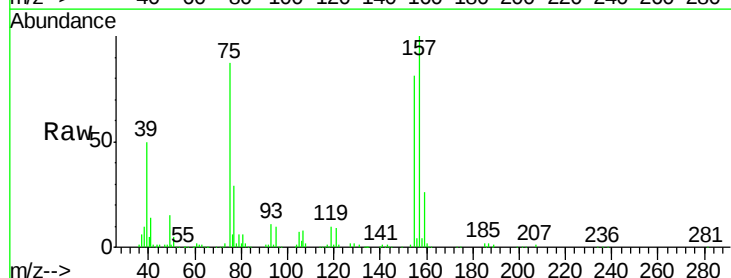
Manual Integrations
 APPROVED

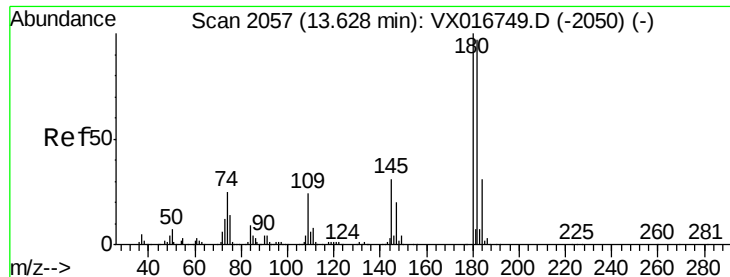
MMDadoda
 6/18/2020 11:17:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.915 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX016835.D
 Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	56954		
155	97.0	46.9	140.7	
157	124.4	59.6	178.7	





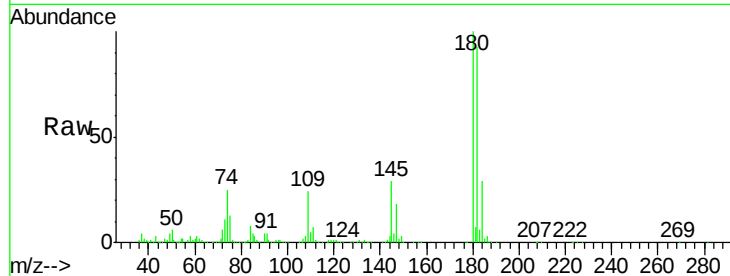
#93
 1,2,4-Trichlorobenzene
 Concen: 53.504 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016835.D
 Acq: 17 Jun 2020 22:14

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0563MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	213822		
182	96.0	48.6	145.8	
145	29.8	15.4	46.4	

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 11:17:04 AM

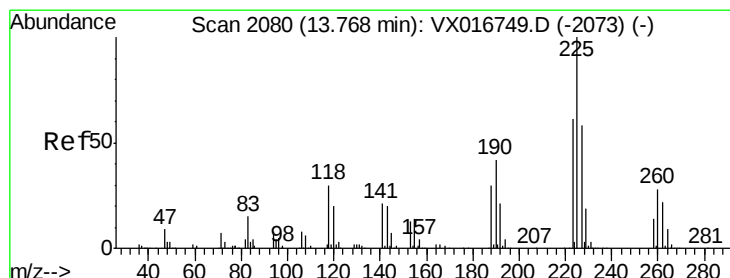
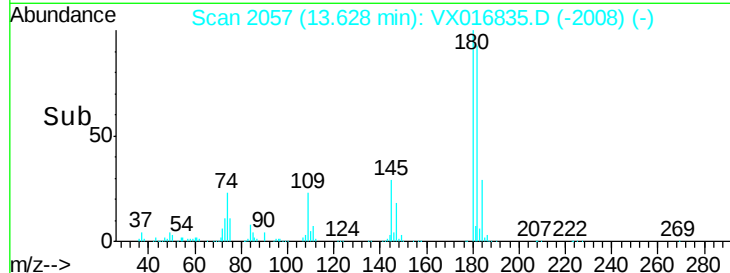
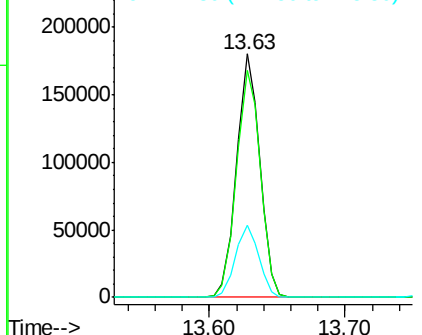


Abundance

Ion 179.80 (179.50 to 180.50): V

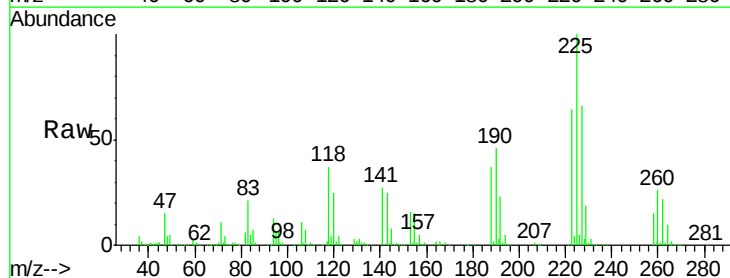
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.415 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX016835.D
 Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92210		
223	63.4	31.1	93.5	
227	64.5	30.9	92.7	

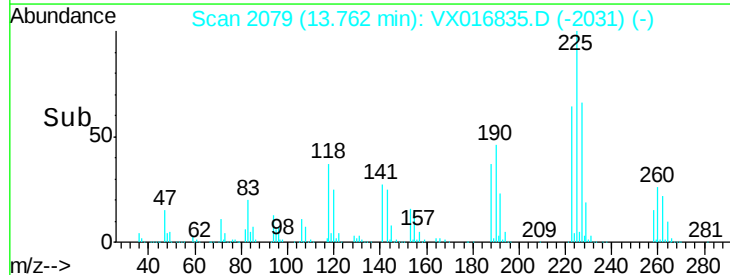
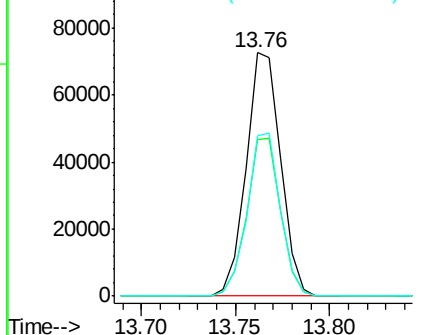


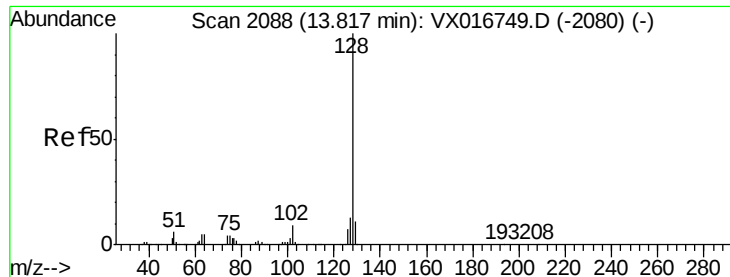
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





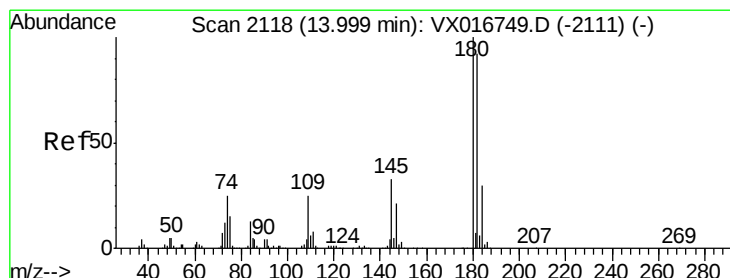
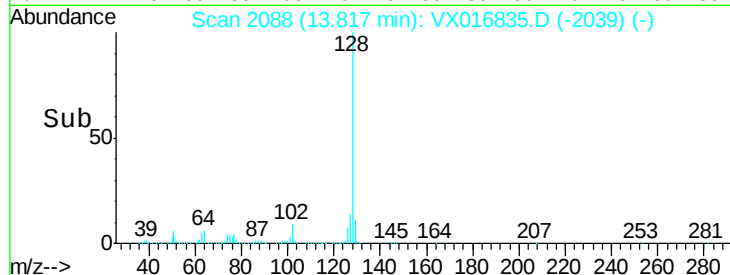
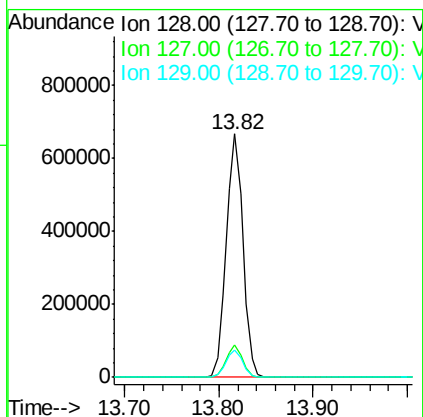
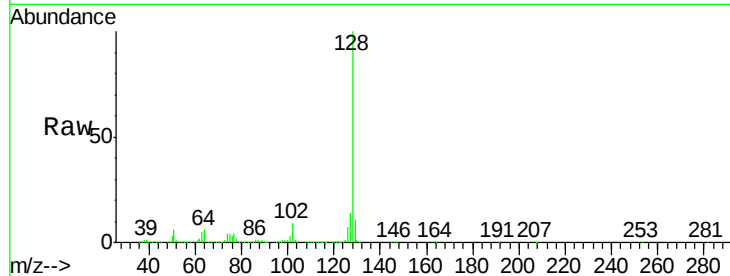
#95
Naphthalene
Concen: 65.410 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Instrument :
MSVOA_X
ClientSampleId :
S49-0563MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/18/2020 11:17:04 AM



#96
1,2,3-Trichlorobenzene
Concen: 58.084 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX016835.D
Acq: 17 Jun 2020 22:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.1	141.4
145	32.5	15.9	47.7

