

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112320\
 Data File : VX019563.D
 Acq On : 23 Nov 2020 20:09
 Operator : JC/MD
 Sample : L4798-10MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20201118MSD

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:59:58 PM

Quant Time: Nov 24 04:49:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	270585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	465332	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	412185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201882	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	172915	49.29	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.58%
35) Dibromofluoromethane	5.46	113	142226	48.69	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.38%
50) Toluene-d8	8.70	98	527974	46.52	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	93.04%
62) 4-Bromofluorobenzene	11.12	95	201646	49.38	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	190406m	72.362	ug/l
3) Chloromethane	1.31	50	131298	43.484	ug/l
4) Vinyl Chloride	1.39	62	526376	161.942	ug/l
5) Bromomethane	1.62	94	53499	43.454	ug/l
6) Chloroethane	1.69	64	36035	45.092	ug/l
7) Trichlorofluoromethane	1.89	101	236364	50.383	ug/l
8) Diethyl Ether	2.17	74	97769	52.036	ug/l
9) 1,1,2-Trichlorotrifluoroet	2.35	101	224645	85.831	ug/l
10) Methyl Iodide	2.48	142	169167	49.200	ug/l
11) Tert butyl alcohol	3.06	59	180472	271.812	ug/l
12) 1,1-Dichloroethene	2.34	96	168394	62.685	ug/l
13) Acrolein	2.28	56	100925	226.132	ug/l
14) Allyl chloride	2.70	41	206567	49.085	ug/l
15) Acrylonitrile	3.12	53	404936	258.605	ug/l
16) Acetone	2.43	43	320026	235.877	ug/l
17) Carbon Disulfide	2.54	76	338493	46.903	ug/l
18) Methyl Acetate	2.75	43	162488	48.860	ug/l
19) Methyl tert-butyl Ether	3.17	73	500874	54.016	ug/l
20) Methylene Chloride	2.83	84	160345	47.285	ug/l
21) trans-1,2-Dichloroethene	3.14	96	177146	58.202	ug/l
22) Diisopropyl ether	3.83	45	441108	50.668	ug/l
23) Vinyl Acetate	3.79	43	1823822	249.759	ug/l
24) 1,1-Dichloroethane	3.67	63	273818	51.422	ug/l
25) 2-Butanone	4.65	43	506147	248.343	ug/l
26) 2,2-Dichloropropane	4.55	77	206856	44.505	ug/l #
27) cis-1,2-Dichloroethene	4.56	96	6259667	1790.444	ug/l
28) Bromochloromethane	4.98	49	110858	43.544	ug/l
29) Tetrahydrofuran	5.10	42	329302	253.231	ug/l
30) Chloroform	5.17	83	287899	51.706	ug/l
31) Cyclohexane	5.54	56	222367	48.732	ug/l
32) 1,1,1-Trichloroethane	5.46	97	251635	52.611	ug/l
36) 1,1-Dichloropropene	5.76	75	209788	48.089	ug/l
37) Ethyl Acetate	4.80	43	191573	46.777	ug/l #
38) Carbon Tetrachloride	5.75	117	213552	50.574	ug/l

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112320\
 Data File : VX019563.D
 Acq On : 23 Nov 2020 20:09
 Operator : JC/MD
 Sample : L4798-10MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20201118MSD

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:59:58 PM

Quant Time: Nov 24 04:49:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	229426	45.167	ug/l	99
40) Benzene	6.11	78	639903	47.741	ug/l	100
41) Methacrylonitrile	5.01	41	109425	48.452	ug/l	98
42) 1,2-Dichloroethane	6.16	62	225384	49.058	ug/l	99
43) Isopropyl Acetate	6.42	43	326148	47.374	ug/l	99
44) Trichloroethene	7.21	130	24194502	6891.126	ug/l	97
45) 1,2-Dichloropropane	7.49	63	154048	46.685	ug/l	99
46) Dibromomethane	7.63	93	111756	49.484	ug/l	99
47) Bromodichloromethane	7.87	83	221876	50.629	ug/l	98
48) Methyl methacrylate	7.74	41	162869	50.515	ug/l	98
49) 1,4-Dioxane	7.72	88	79727	1089.070	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	1008522	251.216	ug/l	98
52) Toluene	8.76	92	398279	48.572	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	241124	50.946	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	257838	49.090	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	162033	48.521	ug/l	97
56) Ethyl methacrylate	9.16	69	245826	52.023	ug/l	99
57) 1,3-Dichloropropane	9.35	76	272526	48.744	ug/l	100
59) 2-Hexanone	9.48	43	780029	256.189	ug/l	98
60) Dibromochloromethane	9.57	129	169495	51.818	ug/l	99
61) 1,2-Dibromoethane	9.65	107	174288	50.632	ug/l	99
64) Tetrachloroethene	9.32	164	173367	53.509	ug/l	98
65) Chlorobenzene	10.12	112	420657	49.637	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	155665	50.499	ug/l	99
67) Ethyl Benzene	10.23	91	744672	50.159	ug/l	98
68) m/p-Xylenes	10.34	106	554846	100.313	ug/l	100
69) o-Xylene	10.68	106	270469	51.154	ug/l	100
70) Styrene	10.70	104	466107	47.702	ug/l	99
71) Bromoform	10.84	173	127174	48.795	ug/l	98
73) Isopropylbenzene	11.00	105	719938	51.550	ug/l	99
74) N-amyl acetate	10.88	43	273611	52.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	260343	52.128	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	231722m	52.595	ug/l	
77) Bromobenzene	11.24	156	183962	51.599	ug/l	99
78) n-propylbenzene	11.34	91	813895	50.801	ug/l	100
79) 2-Chlorotoluene	11.40	91	499808	51.440	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	608891	51.973	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	80417	49.359	ug/l	99
82) 4-Chlorotoluene	11.49	91	587475	51.361	ug/l	100
83) tert-Butylbenzene	11.76	119	601308	53.052	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	620764	52.368	ug/l	99
85) sec-Butylbenzene	11.93	105	677735	50.262	ug/l	100
86) p-Isopropyltoluene	12.05	119	620593	50.692	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	334128	51.031	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	340402	50.472	ug/l	99
89) n-Butylbenzene	12.37	91	536569	48.481	ug/l	99
90) Hexachloroethane	12.58	117	107575	52.513	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	332080	50.498	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	57261	56.200	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	216645	51.314	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112320\
Data File : VX019563.D
Acq On : 23 Nov 2020 20:09
Operator : JC/MD
Sample : L4798-10MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

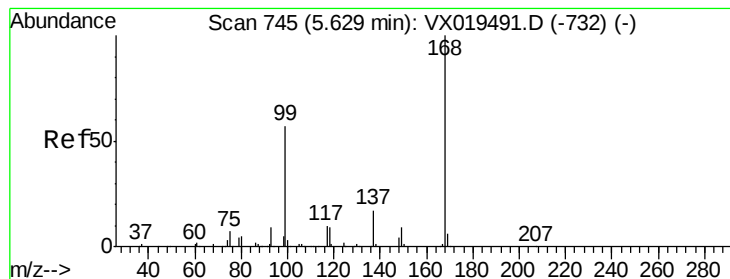
Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:59:58 PM

Quant Time: Nov 24 04:49:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.76	225	83384	43.355	ug/l	100
95) Naphthalene	13.82	128	753266	50.560	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	215359	50.996	ug/l	99

(#) = 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: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

56BR-20201118MSD

Tot Ion:168 Resp: 270585

Ion Ratio Lower Upper

168 100

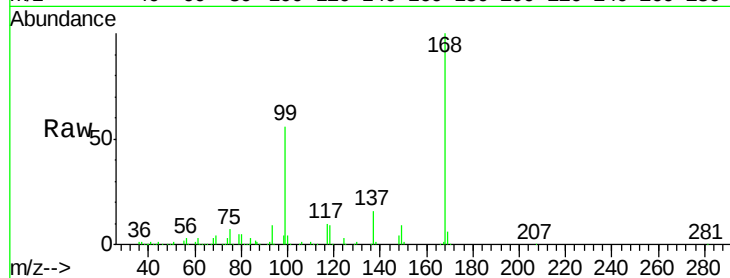
99 55.9 45.8 68.6

Manual Integrations

APPROVED

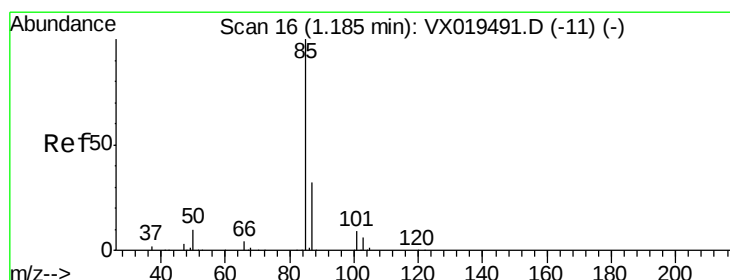
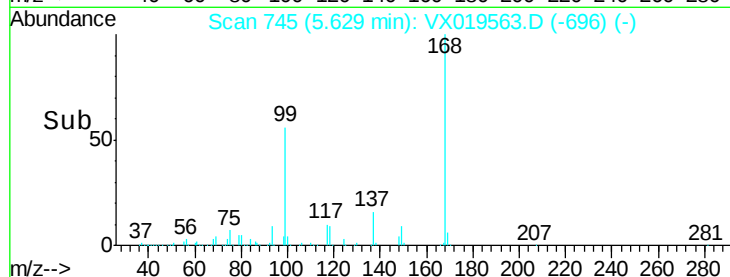
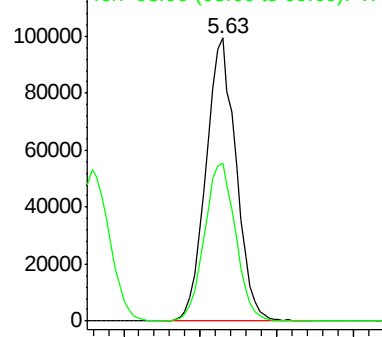
MMDadoda

11/24/2020 2:59:58 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 72.362 ug/l m

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019563.D

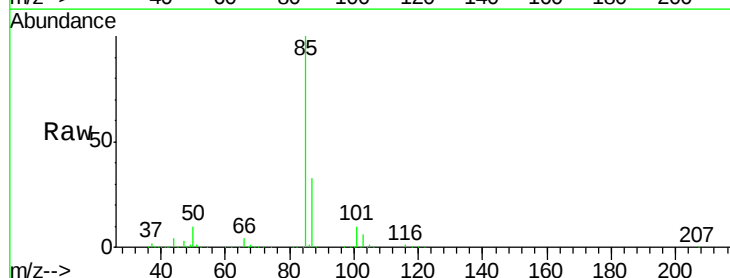
Acq: 23 Nov 2020 20:09

Tgt Ion: 85 Resp: 190406

Ion Ratio Lower Upper

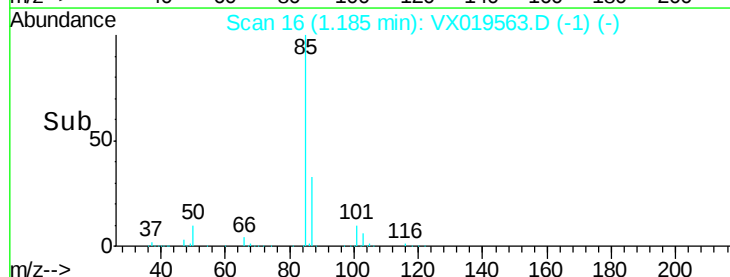
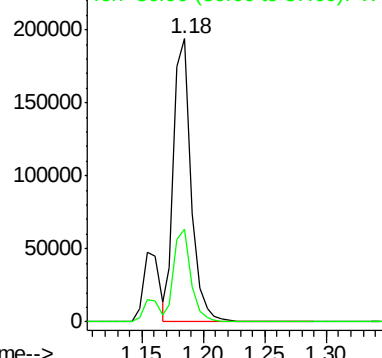
85 100

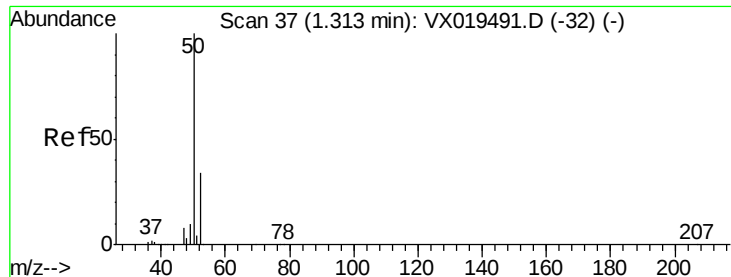
87 32.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 43.484 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

56BR-20201118MSD

Tot Ion: 50 Resp: 131298

Ion Ratio Lower Upper

50 100

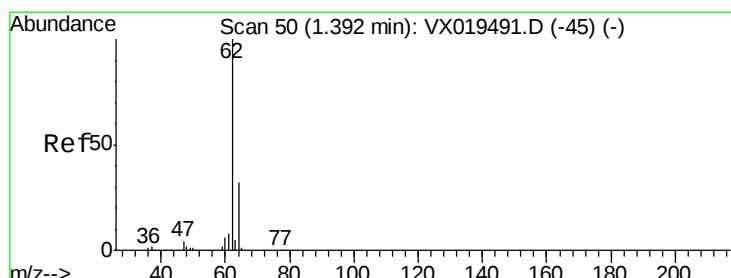
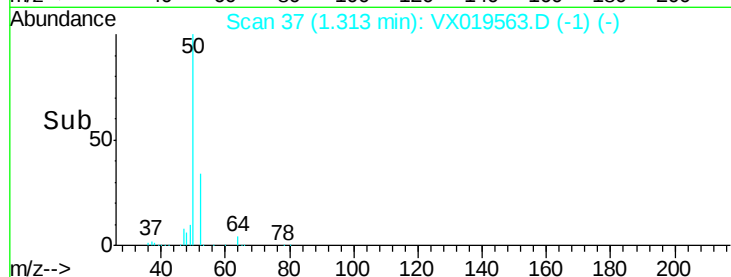
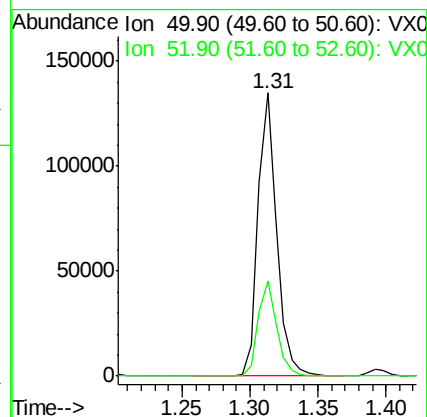
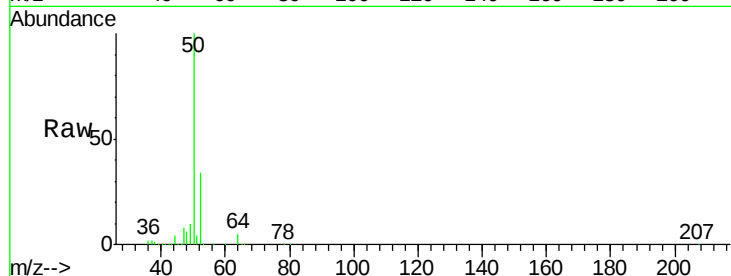
52 33.8 27.0 40.6

Manual Integrations

APPROVED

MMDadoda

11/24/2020 2:59:58 PM



#4

Vinyl Chloride

Concen: 161.942 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019563.D

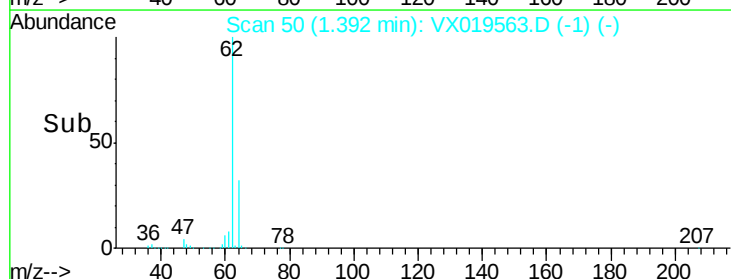
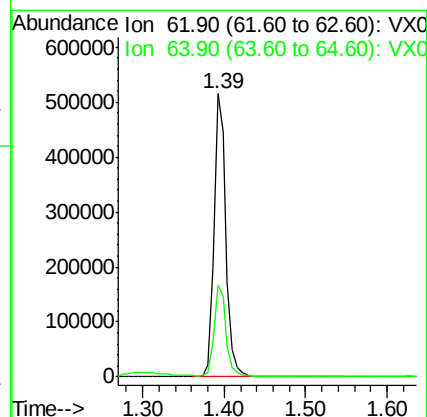
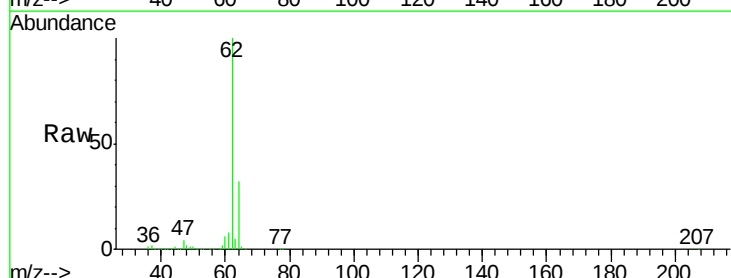
Acq: 23 Nov 2020 20:09

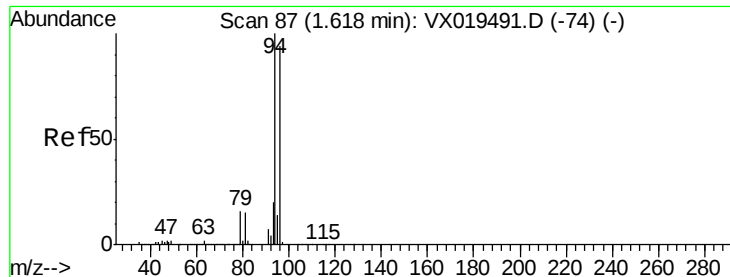
Tgt Ion: 62 Resp: 526376

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 43.454 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

56BR-20201118MSD

Tot Ion: 94 Resp: 53499

Ion Ratio Lower Upper

94 100

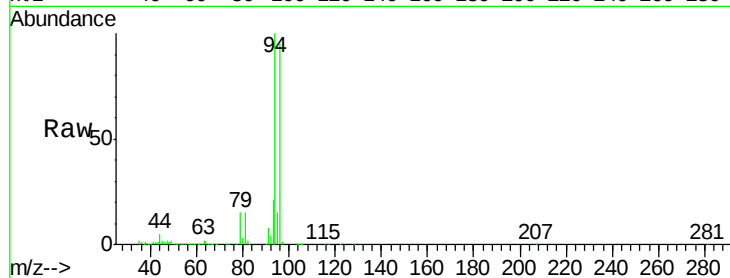
96 95.0 75.6 113.4

Manual Integrations

APPROVED

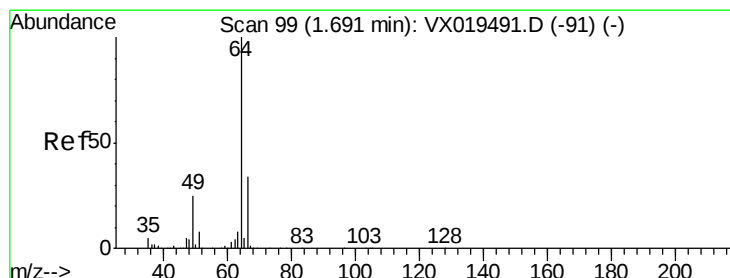
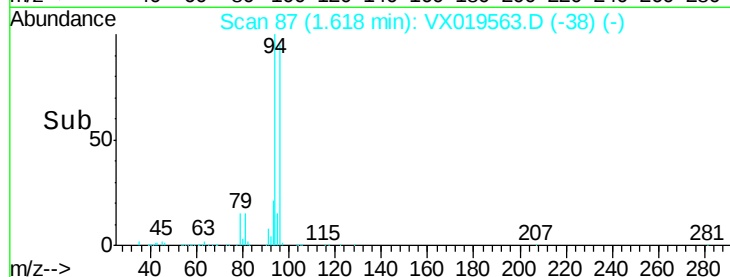
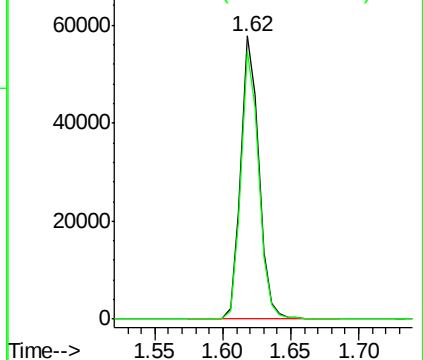
MMDadoda

11/24/2020 2:59:58 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.092 ug/l

RT: 1.69 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX019563.D

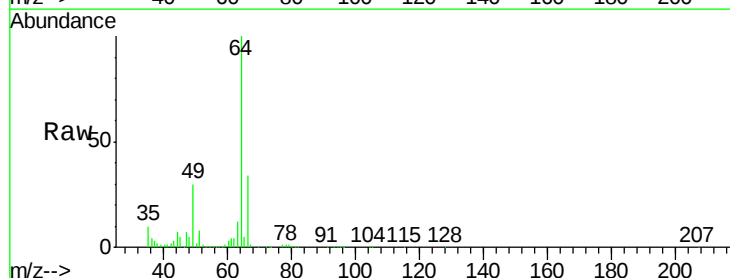
Acq: 23 Nov 2020 20:09

Tgt Ion: 64 Resp: 36035

Ion Ratio Lower Upper

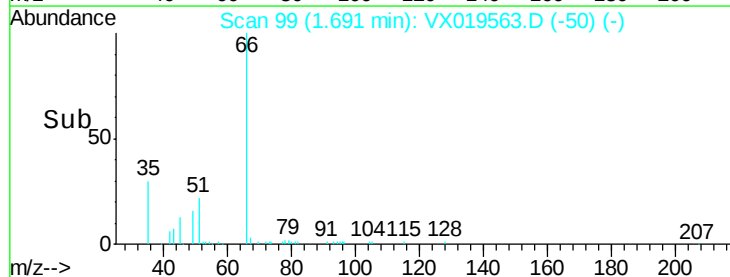
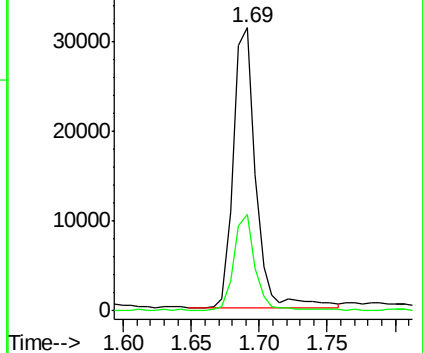
64 100

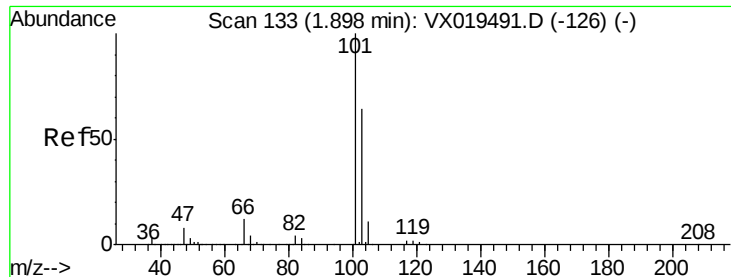
66 34.1 27.1 40.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

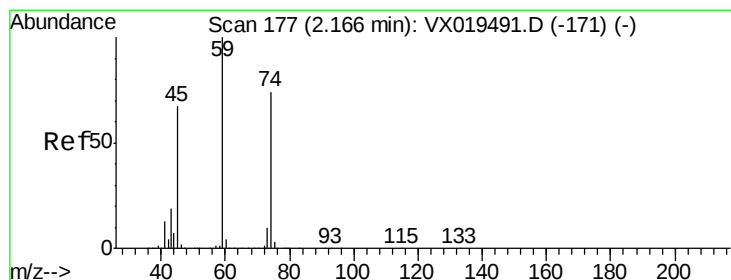
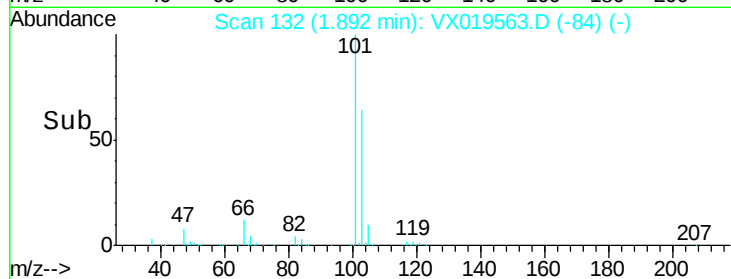
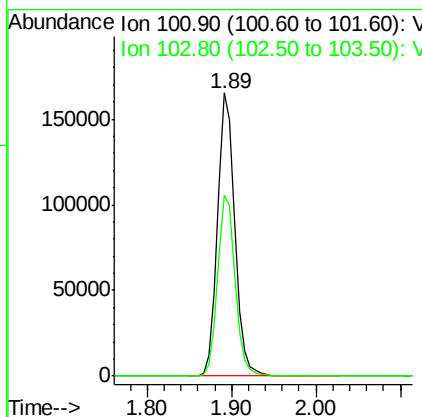
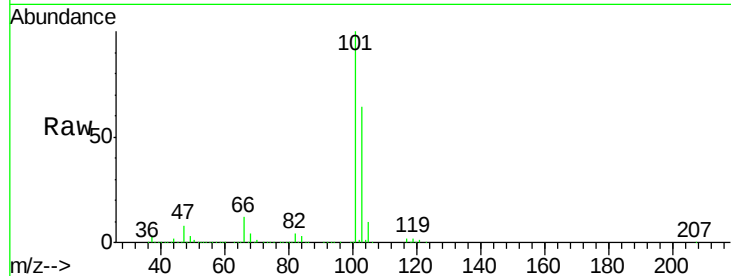
Trichlorofluoromethane
Concen: 50.383 ug/l
RT: 1.89 min Scan# 132
Delta R.T. -0.01 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.9	76.3

Manual Integrations
APPROVED

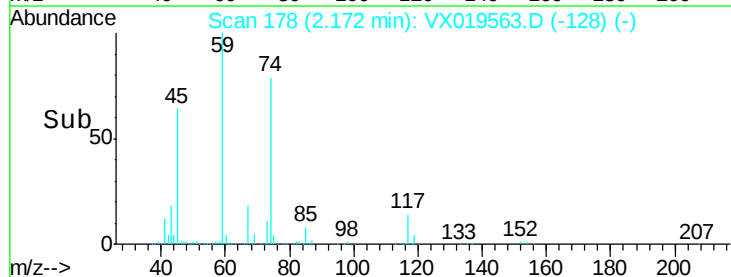
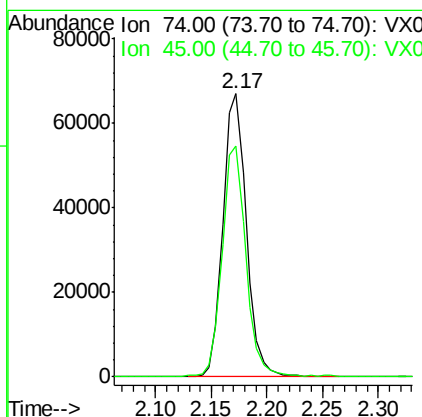
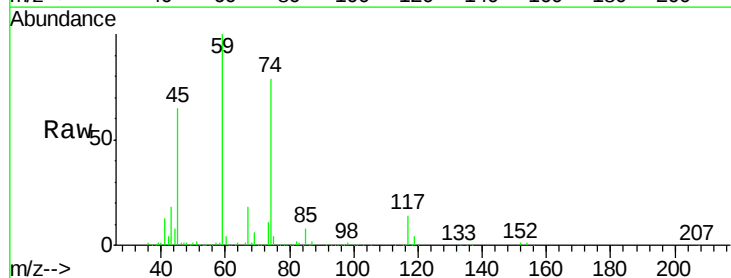
MMDadoda
11/24/2020 2:59:58 PM

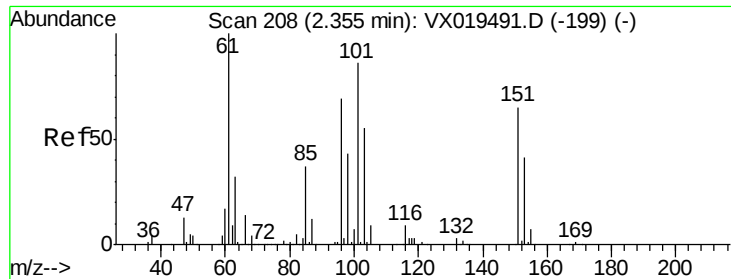


#8

Diethyl Ether
Concen: 52.036 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.1	44.4	133.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 85.831 ug/l

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

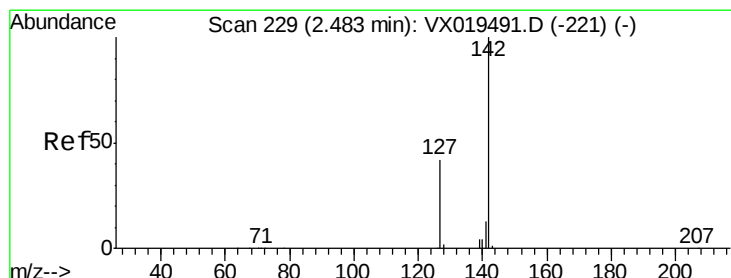
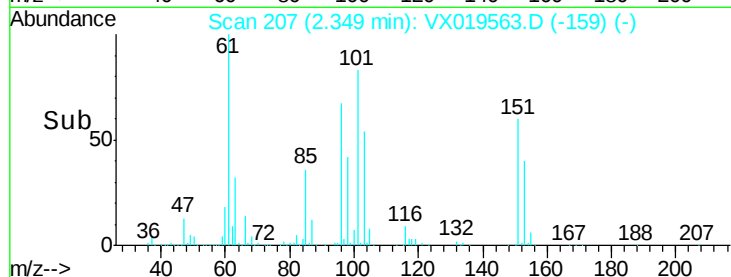
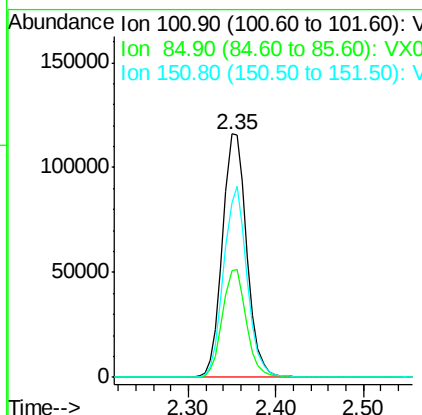
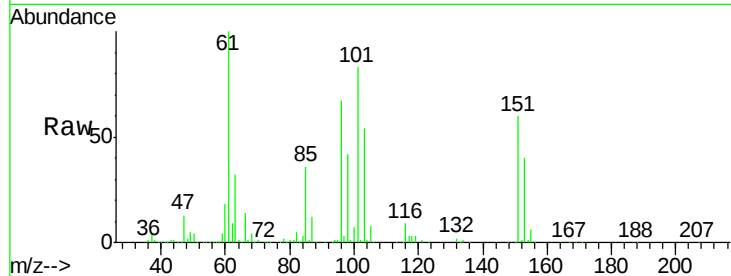
ClientSampleId :

56BR-20201118MSD

Tot Ion:	101	Resp:	224645
Ion Ratio	Lower	Upper	
101	100		
85	43.5	33.9	50.9
151	75.2	60.9	91.3

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:59:58 PM



#10

Methyl Iodide

Concen: 49.200 ug/l

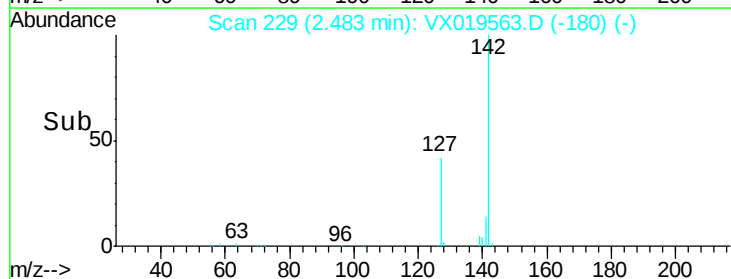
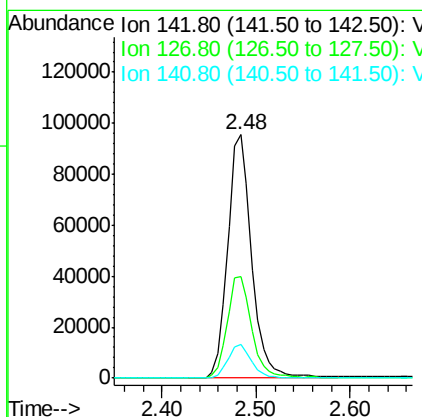
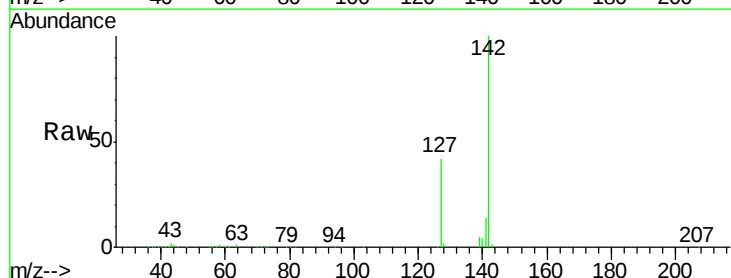
RT: 2.48 min Scan# 229

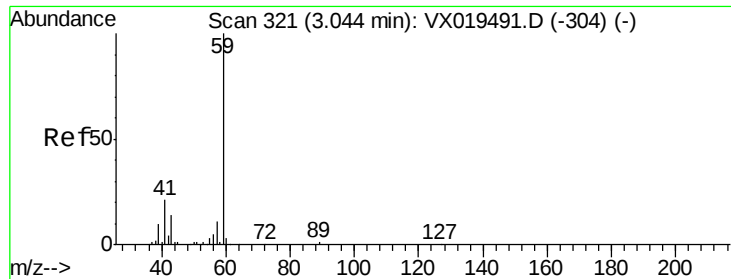
Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Tgt Ion:	142	Resp:	169167
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.8	50.6
141	13.7	11.0	16.6





#11

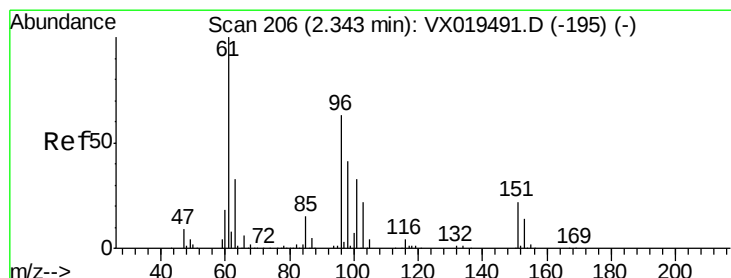
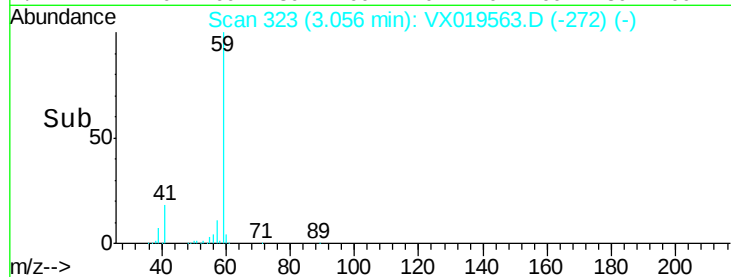
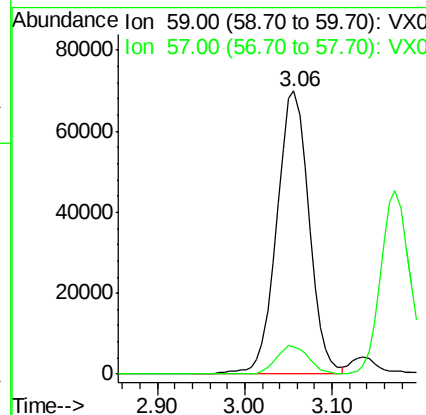
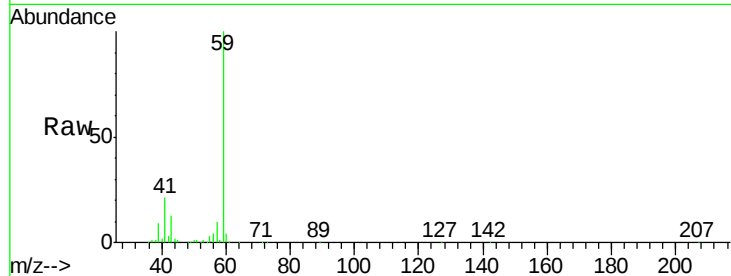
Tert butyl alcohol
Concen: 271.812 ug/l
RT: 3.06 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

Tot Ion	59	Resp	180472
Ion Ratio	100	Lower	Upper
57	10.1	7.9	11.9

Manual Integrations
APPROVED

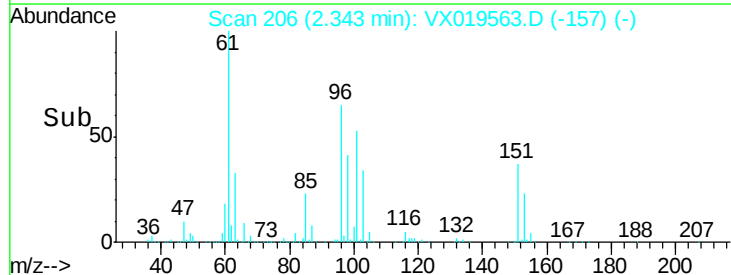
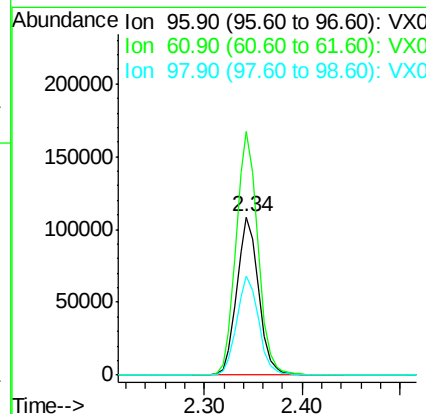
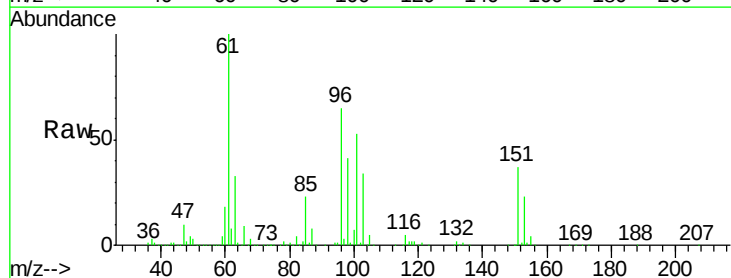
MMDadoda
11/24/2020 2:59:58 PM

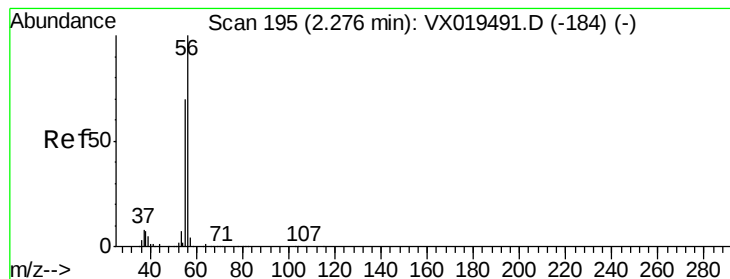


#12

1,1-Dichloroethene
Concen: 62.685 ug/l
RT: 2.34 min Scan# 206
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Tgt Ion	96	Resp	168394
Ion Ratio	100	Lower	Upper
61	154.2	126.0	189.0
98	62.5	52.0	78.0





#13

Acrolein

Concen: 226.132 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

56BR-20201118MSD

Tot Ion: 56 Resp: 100925

Ion Ratio Lower Upper

56 100

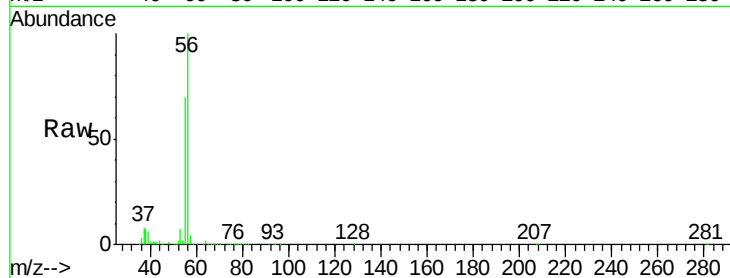
55 69.4 55.5 83.3

Manual Integrations

APPROVED

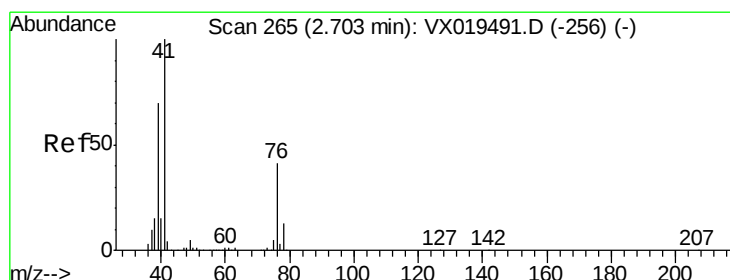
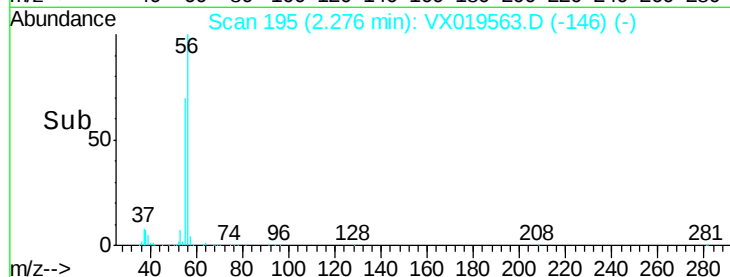
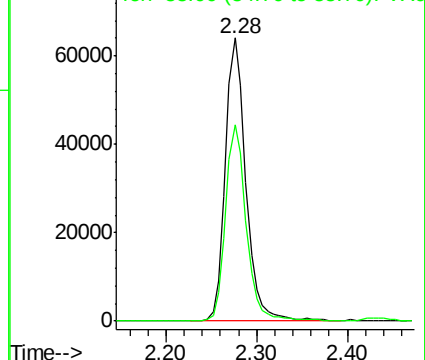
MMDadoda

11/24/2020 2:59:58 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 49.085 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

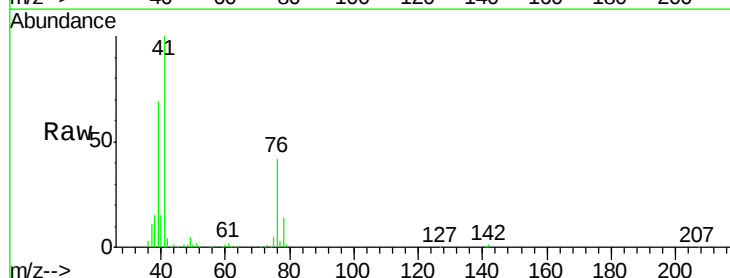
Tgt Ion: 41 Resp: 206567

Ion Ratio Lower Upper

41 100

39 67.1 53.0 79.4

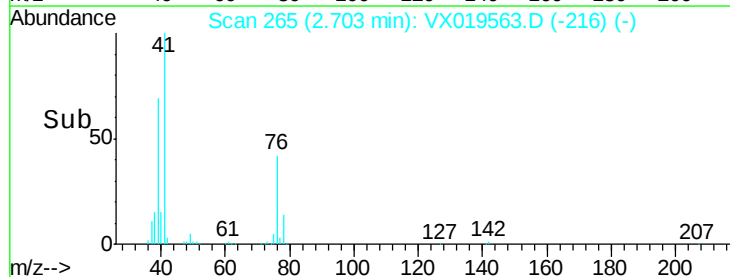
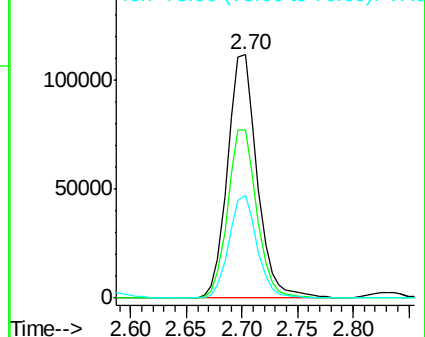
76 40.1 31.0 46.6



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 258.605 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

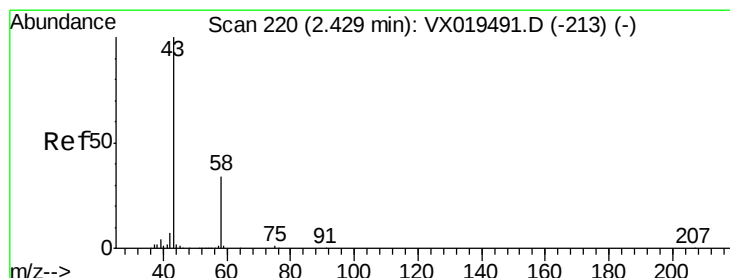
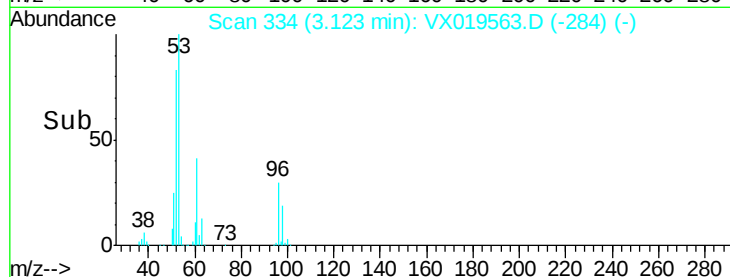
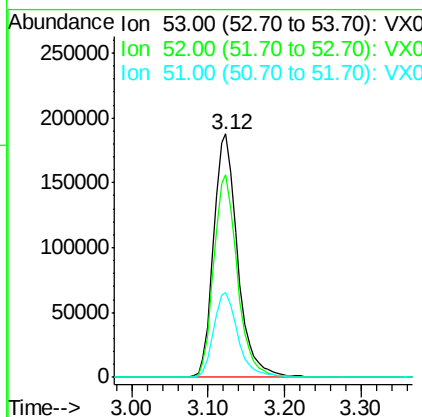
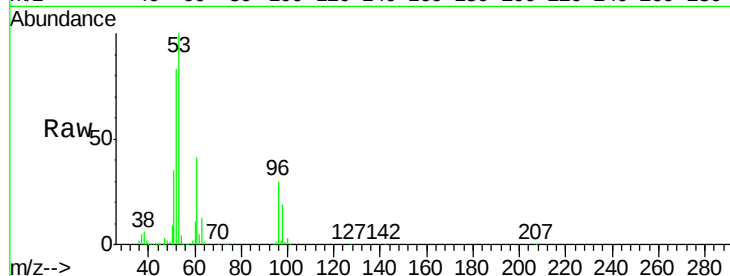
ClientSampleId :

56BR-20201118MSD

Tot Ion:	53	Resp:	404936
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.2	99.2
51	35.3	28.5	42.7

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:59:58 PM



#16

Acetone

Concen: 235.877 ug/l

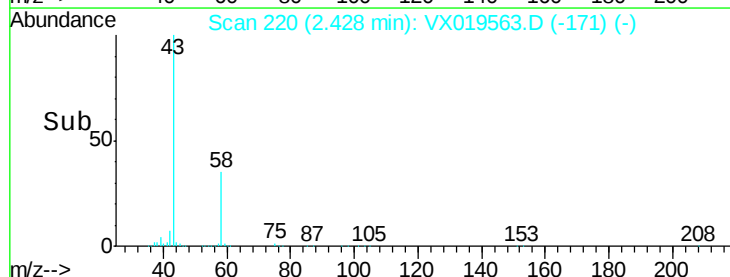
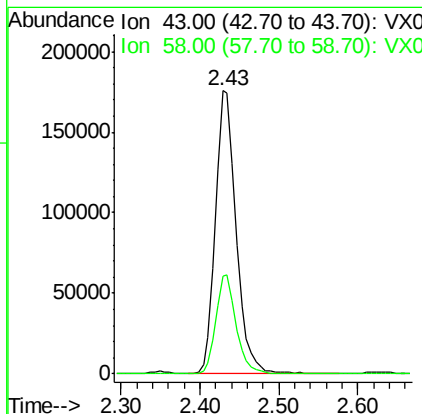
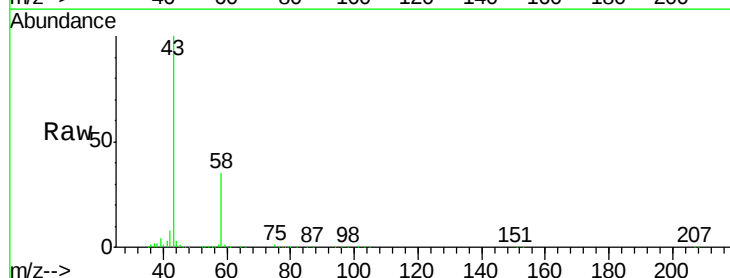
RT: 2.43 min Scan# 220

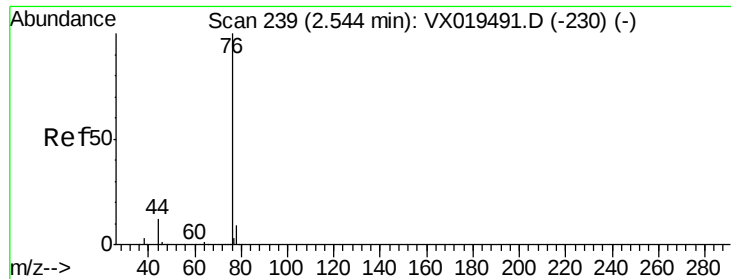
Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Tgt Ion:	43	Resp:	320026
Ion Ratio	Lower	Upper	
43	100		
58	34.6	27.4	41.2





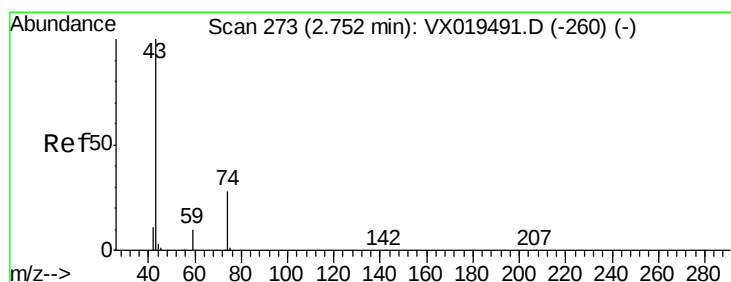
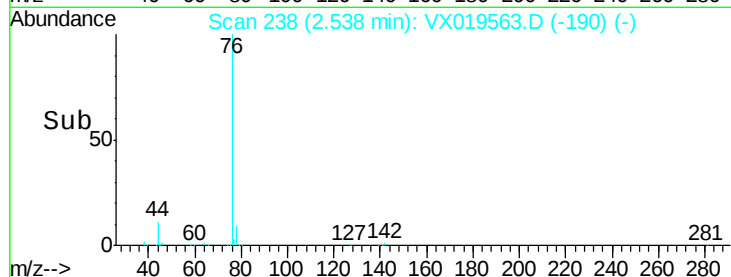
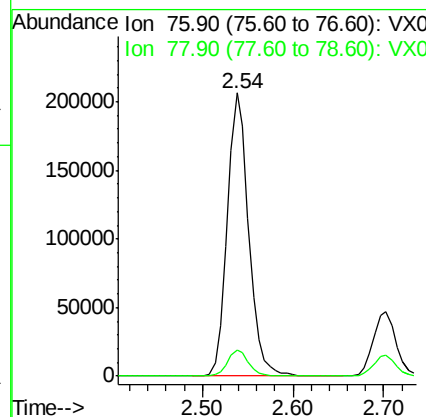
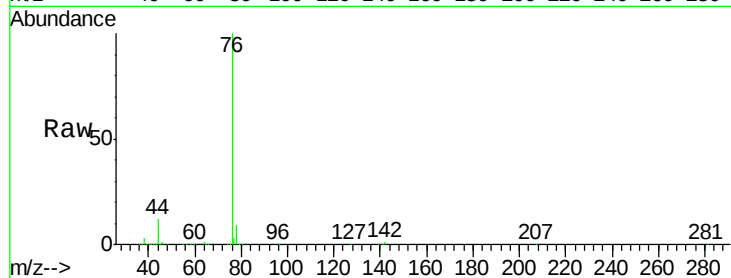
#17
Carbon Disulfide
Concen: 46.903 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.01 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

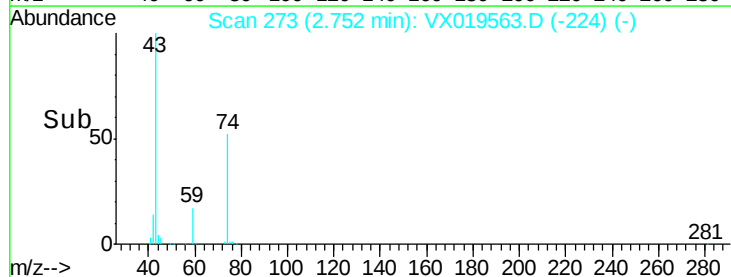
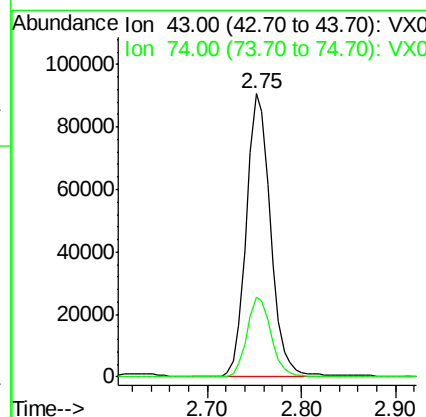
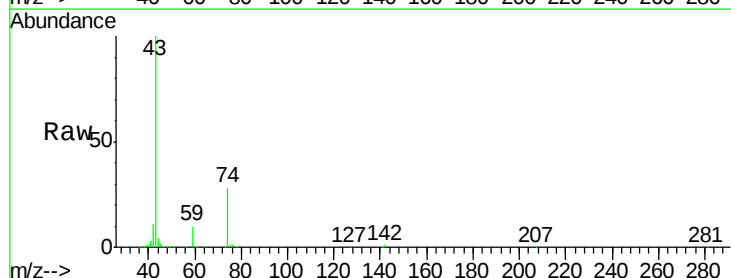
Manual Integrations
APPROVED

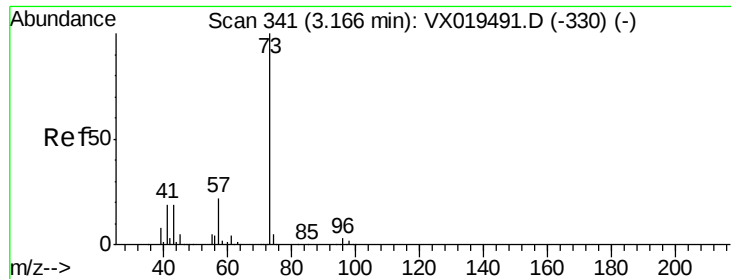
MMDadoda
11/24/2020 2:59:58 PM



#18
Methyl Acetate
Concen: 48.860 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.4	22.2	33.4





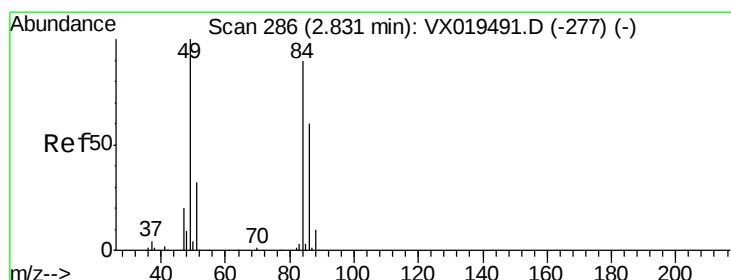
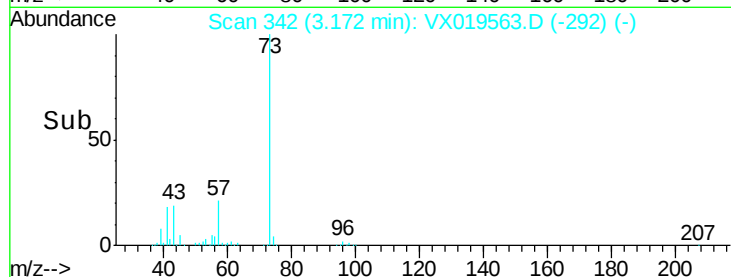
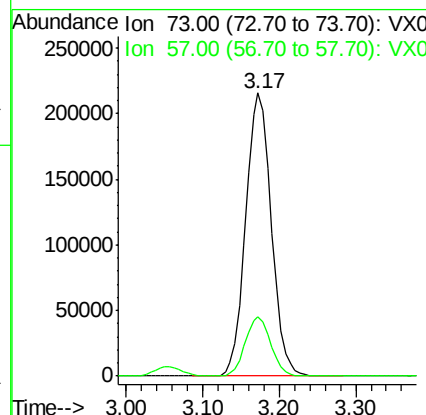
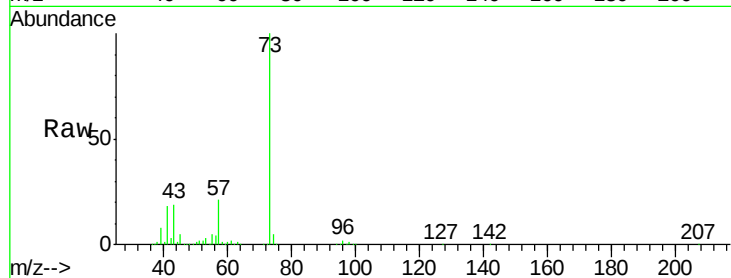
#19
Methvl tert-butvl Ether
Concen: 54.016 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

Tot Ion: 73 Resp: 500874
Ion Ratio Lower Upper
73 100
57 21.0 17.3 25.9

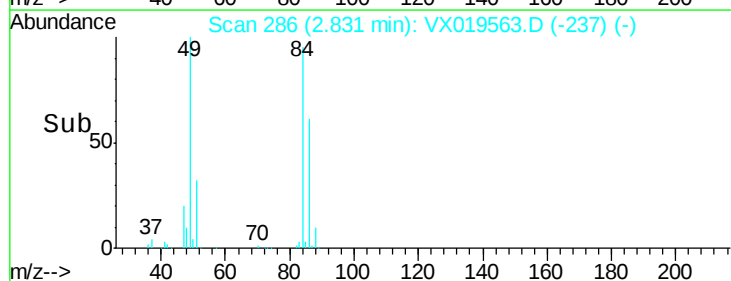
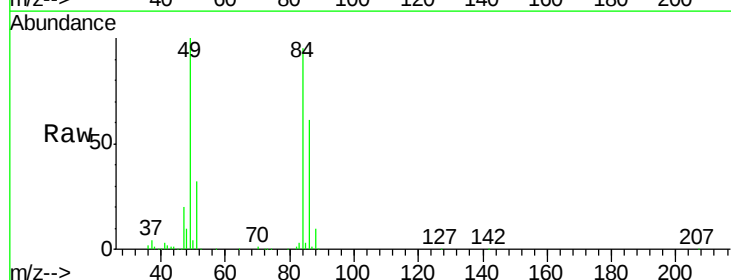
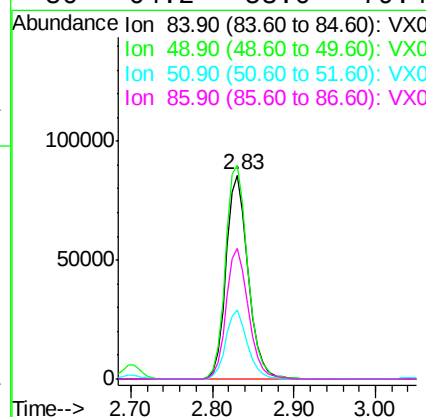
Manual Integrations
APPROVED

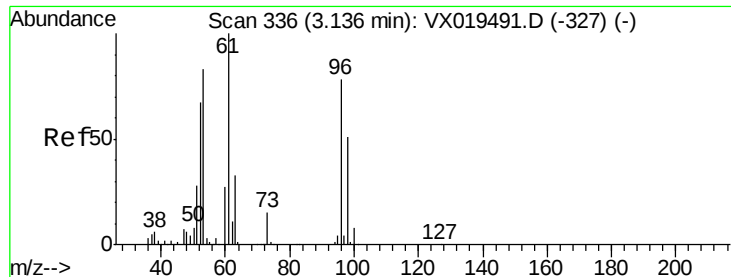
MMDadoda
11/24/2020 2:59:58 PM



#20
Methylene Chloride
Concen: 47.285 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Tgt Ion: 84 Resp: 160345
Ion Ratio Lower Upper
84 100
49 104.8 88.5 132.7
51 33.7 28.0 42.0
86 64.2 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 58.202 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

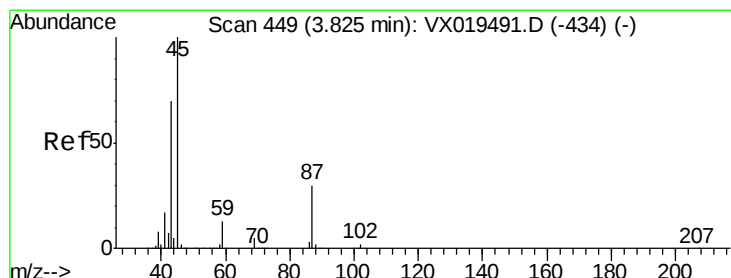
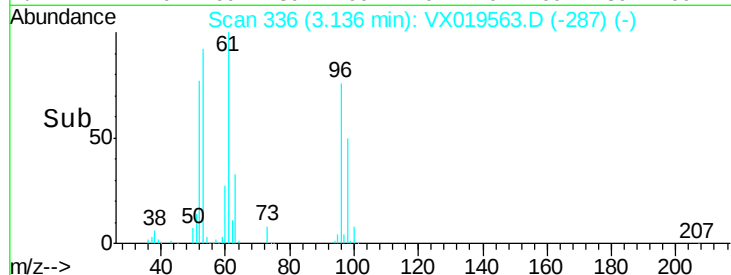
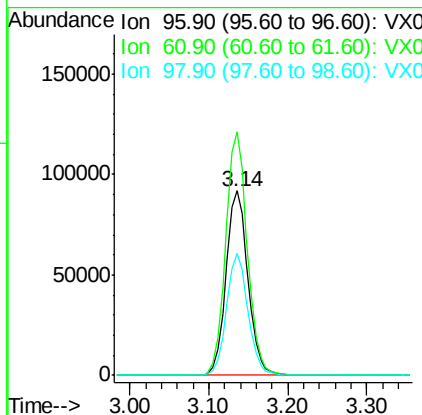
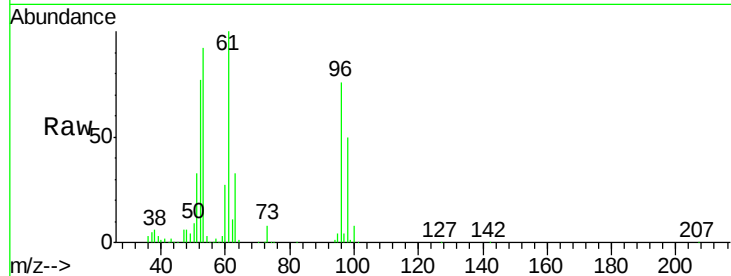
ClientSampleId :

56BR-20201118MSD

Tot Ion:	96	Resp:	177146
Ion	Ratio	Lower	Upper
96	100		
61	132.0	102.9	154.3
98	66.1	52.1	78.1

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:59:58 PM



#22

Diisopropyl ether

Concen: 50.668 ug/l

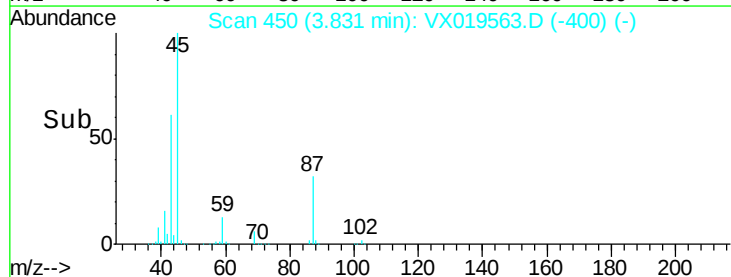
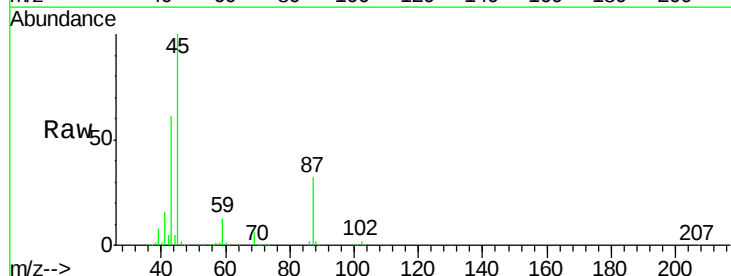
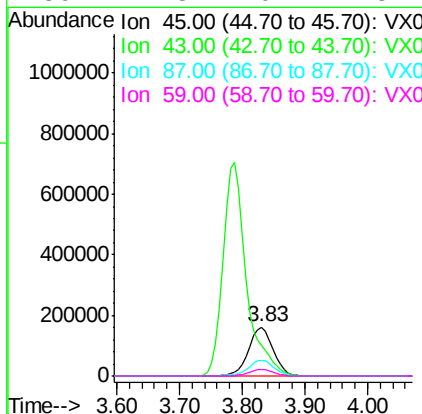
RT: 3.83 min Scan# 450

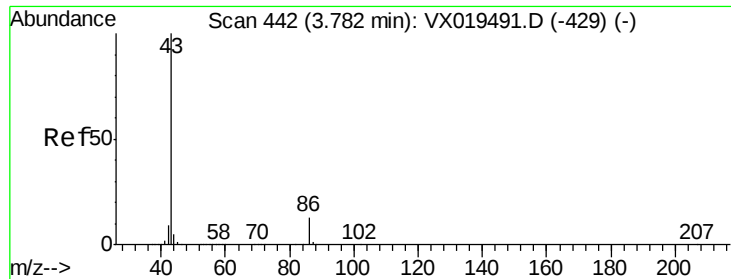
Delta R.T. 0.01 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Tgt Ion:	45	Resp:	441108
Ion	Ratio	Lower	Upper
45	100		
43	61.3	56.1	84.1
87	32.5	24.2	36.2
59	12.8	10.2	15.2





#23

Vinyl Acetate

Concen: 249.759 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.01 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

56BR-20201118MSD

Tot Ion: 43 Resp: 1823822

Ion Ratio Lower Upper

43 100

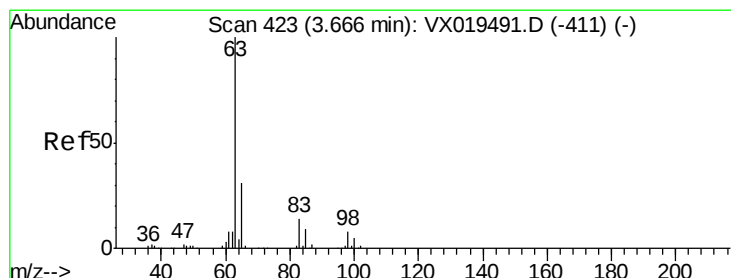
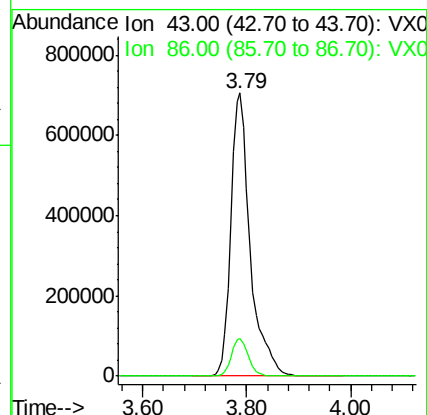
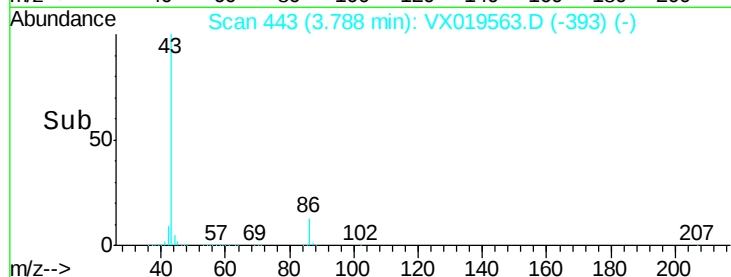
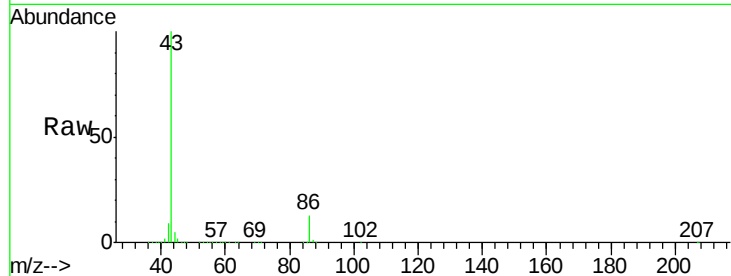
86 13.2 10.2 15.2

Manual Integrations

APPROVED

MMDadoda

11/24/2020 2:59:58 PM



#24

1,1-Dichloroethane

Concen: 51.422 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

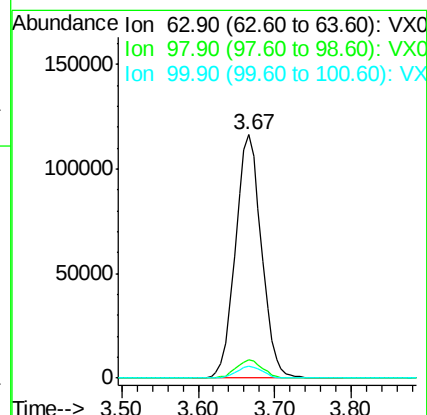
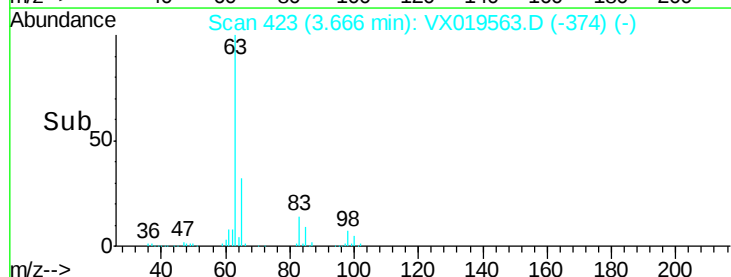
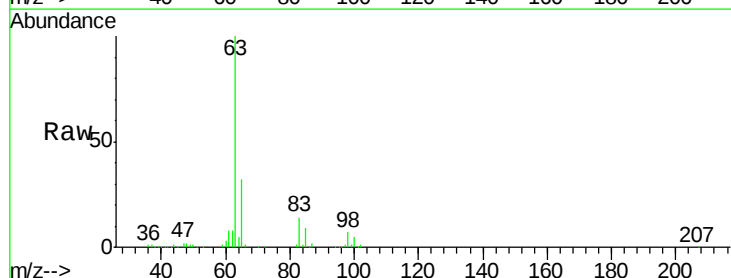
Tgt Ion: 63 Resp: 273818

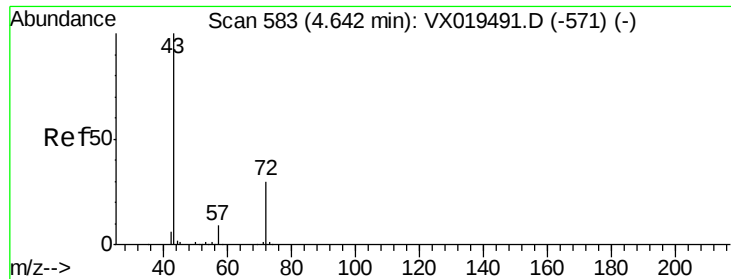
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

100 4.9 2.4 7.1





#25

2-Butanone

Concen: 248.343 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

56BR-20201118MSD

Tot Ion: 43 Resp: 506147

Ion Ratio Lower Upper

43 100

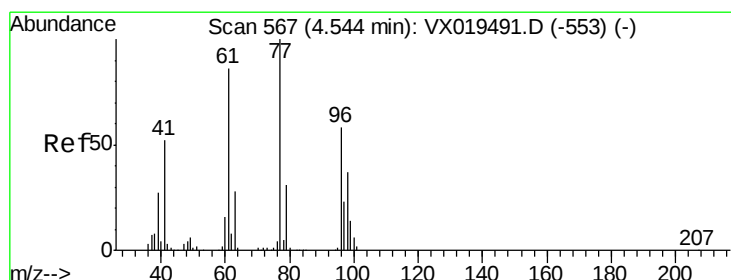
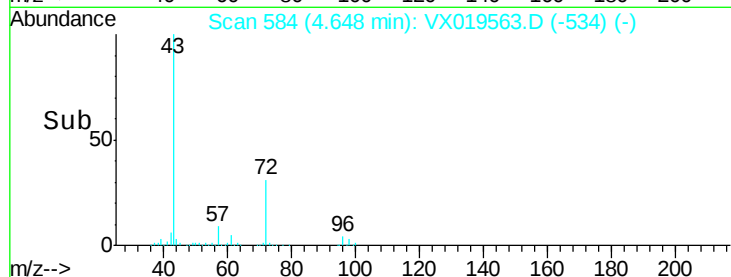
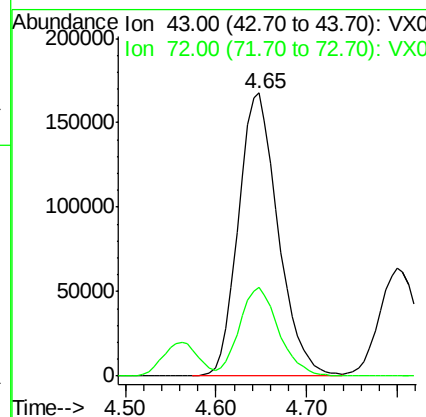
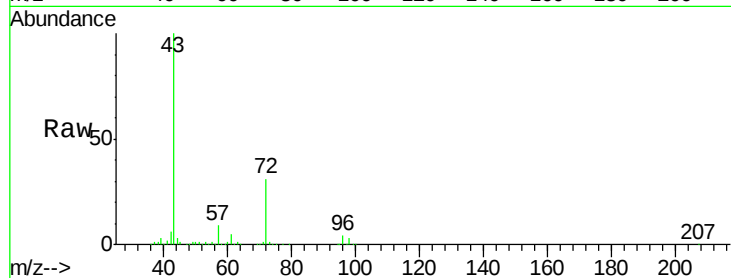
72 31.1 24.0 36.0

Manual Integrations

APPROVED

MMDadoda

11/24/2020 2:59:58 PM



#26

2,2-Dichloropropane

Concen: 44.505 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.01 min

Lab File: VX019563.D

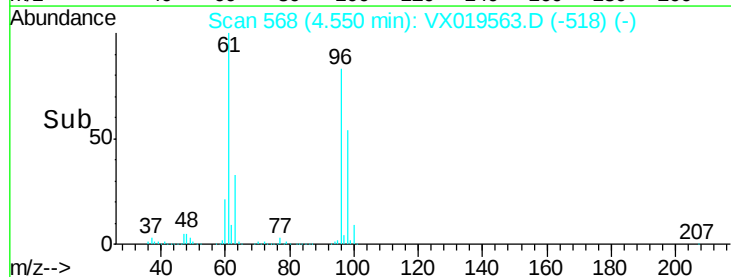
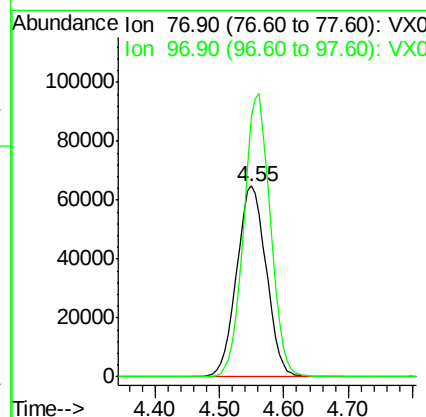
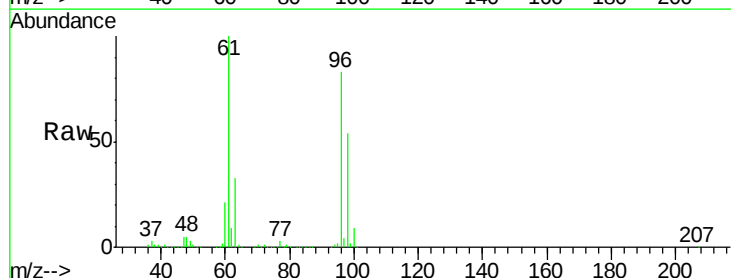
Acq: 23 Nov 2020 20:09

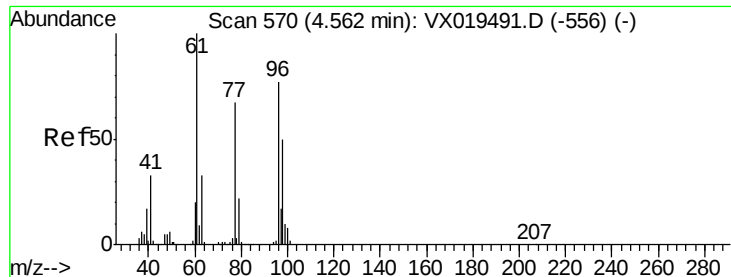
Tgt Ion: 77 Resp: 206856

Ion Ratio Lower Upper

77 100

97 132.1 11.6 34.8#





#27

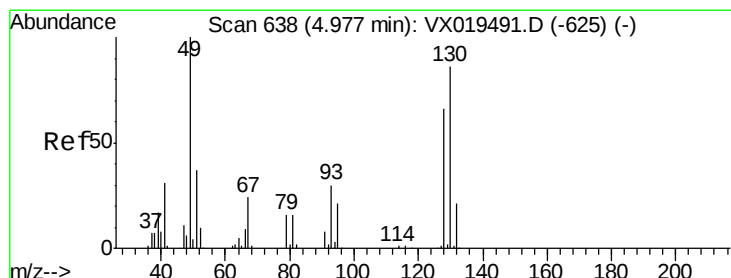
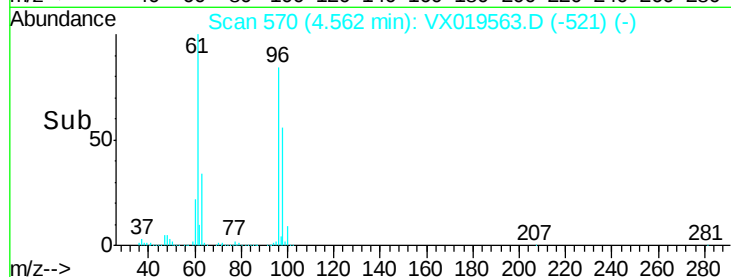
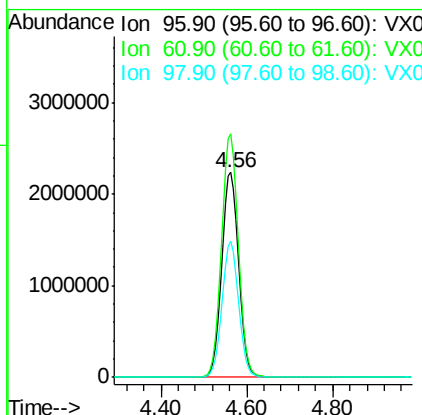
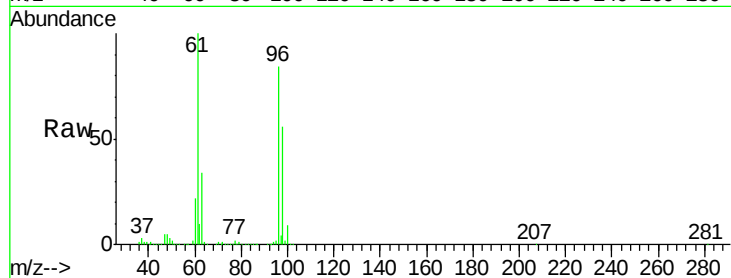
cis-1,2-Dichloroethene
Concen: 1790.444 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	118.6	0.0	279.2
98	65.1	0.0	129.8

Manual Integrations
APPROVED

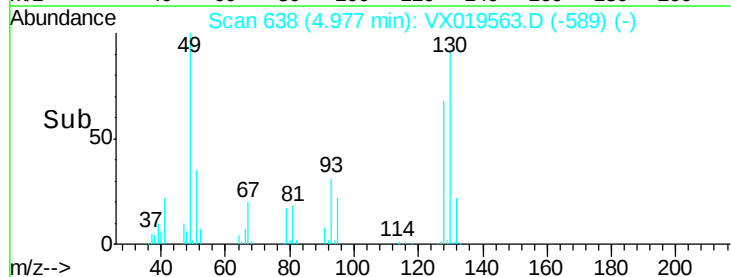
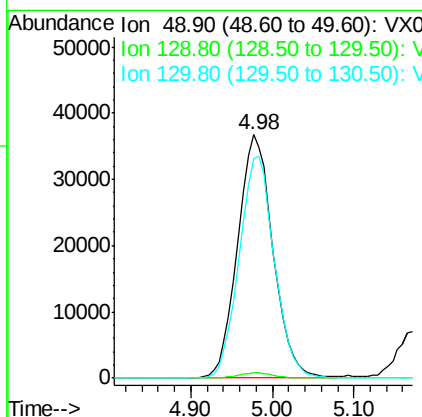
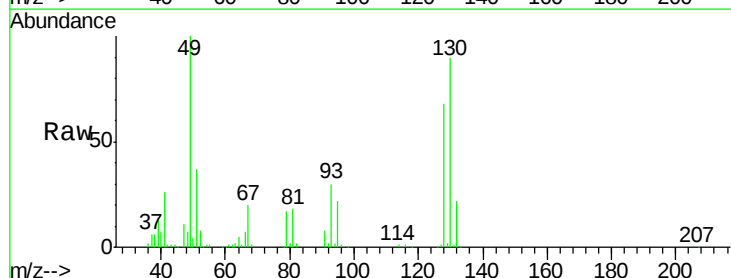
MMDadoda
11/24/2020 2:59:58 PM

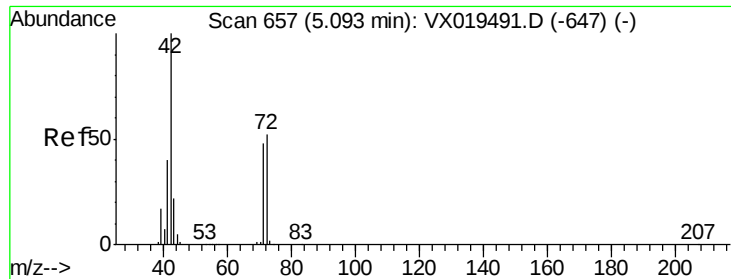


#28

Bromochloromethane
Concen: 43.544 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	90.7	69.0	103.6





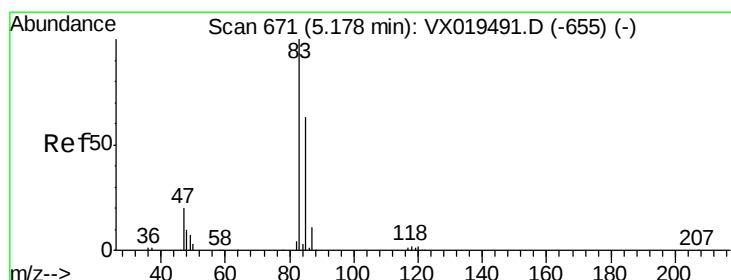
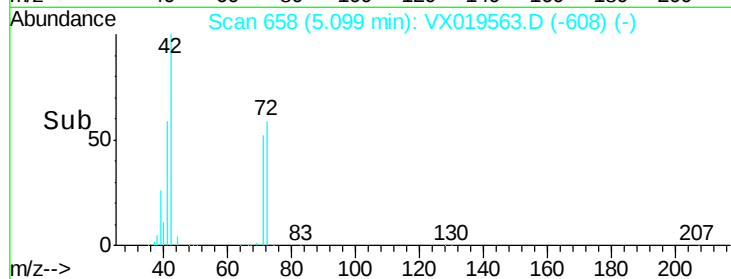
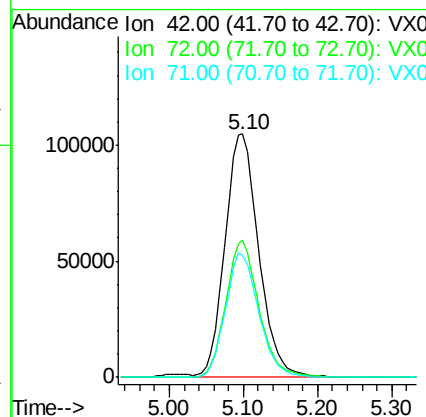
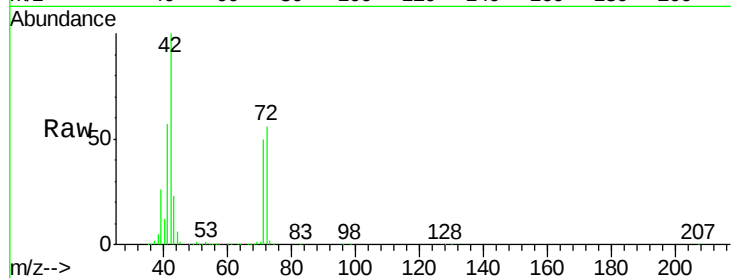
#29
Tetrahydrofuran
Concen: 253.231 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.6	42.6	63.8
71	50.7	39.0	58.6

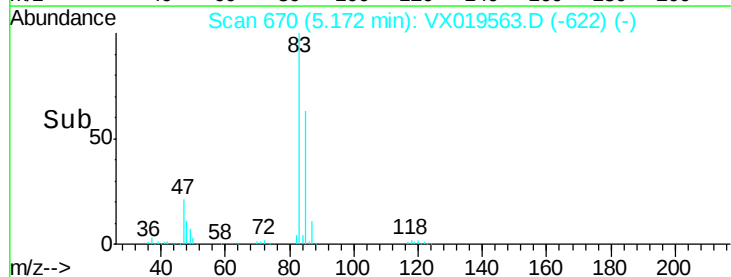
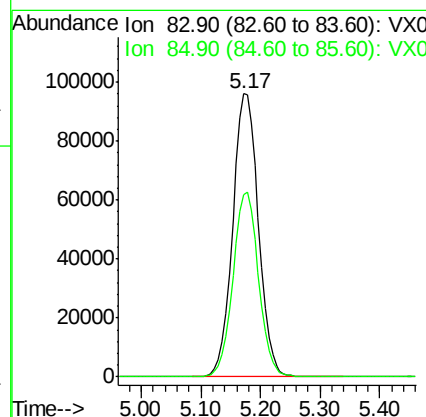
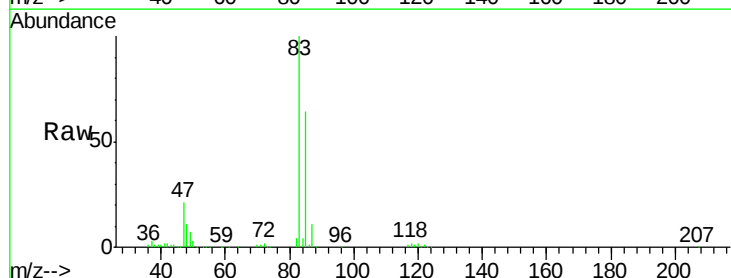
Manual Integrations
APPROVED

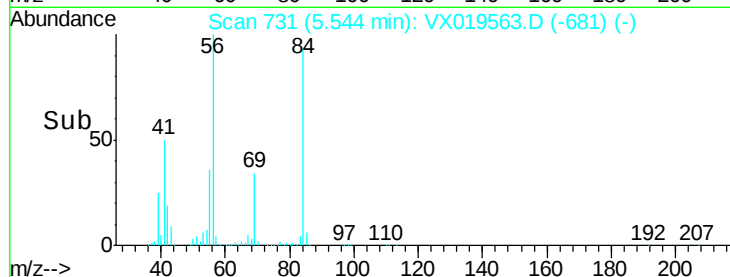
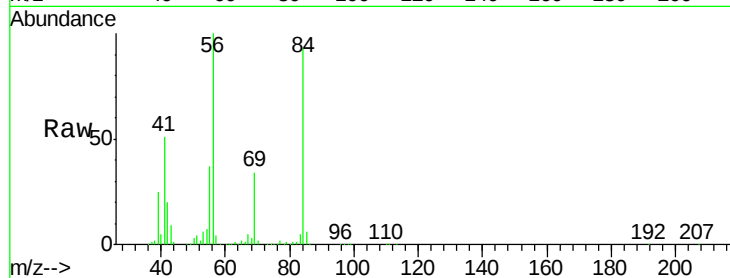
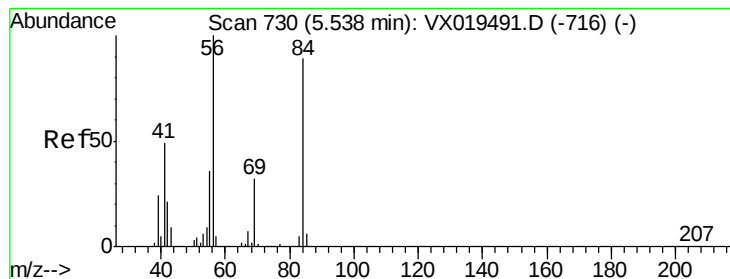
MMDadoda
11/24/2020 2:59:58 PM



#30
Chloroform
Concen: 51.706 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.5	75.7





#31

Cyclohexane

Concen: 48.732 ug/l

RT: 5.54 min Scan# 731

Delta R.T. 0.01 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Tot Ion	56	Resp	222367
Ion Ratio	Lower	Upper	
56	100		
69	33.7	25.5	38.3
84	91.5	71.1	106.7

Instrument :

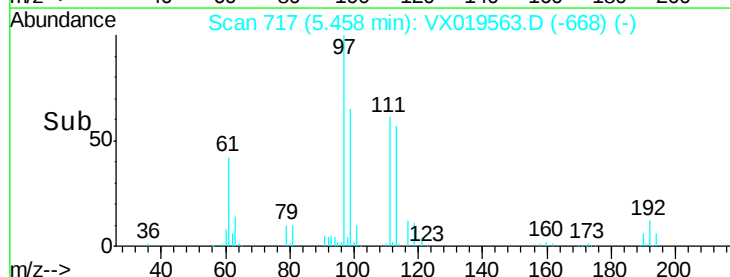
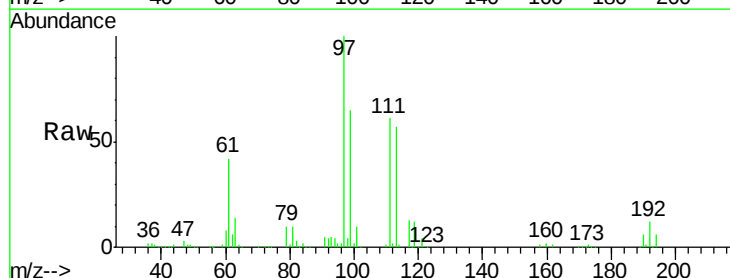
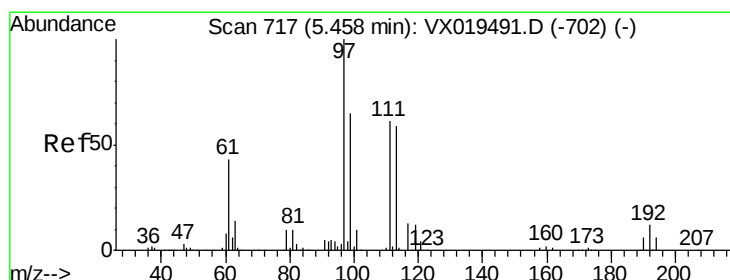
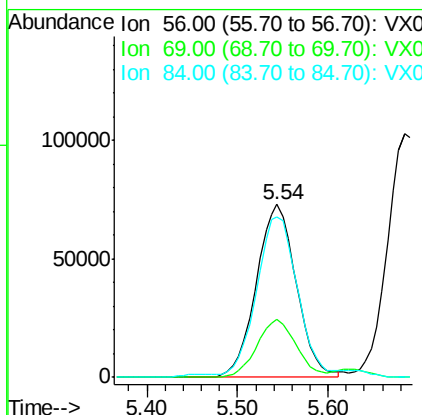
MSVOA_X

ClientSampleId :

56BR-20201118MSD

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:59:58 PM



#32

1,1,1-Trichloroethane

Concen: 52.611 ug/l

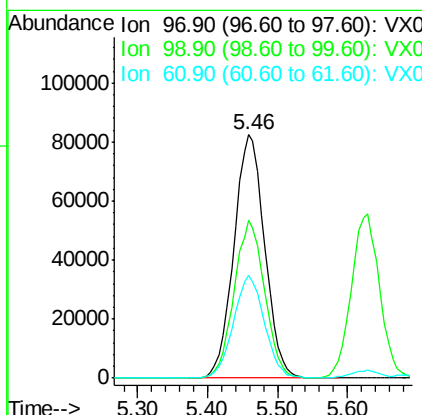
RT: 5.46 min Scan# 717

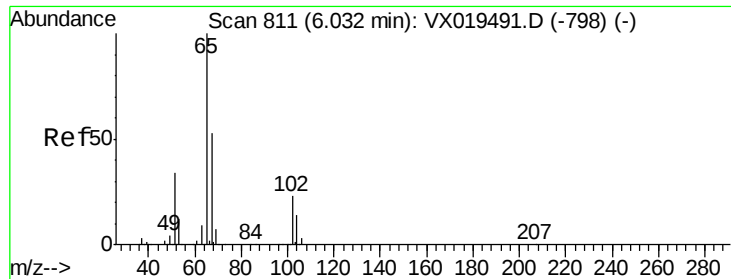
Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Tgt Ion	97	Resp	251635
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.4	77.0
61	42.5	34.2	51.2





#33

1,2-Dichloroethane-d4

Concen: 49.287 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

56BR-20201118MSD

Tot Ion: 65 Resp: 172915

Ion Ratio Lower Upper

65 100

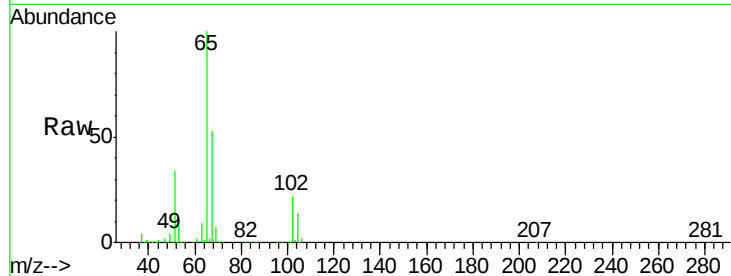
67 53.2 0.0 105.0

Manual Integrations

APPROVED

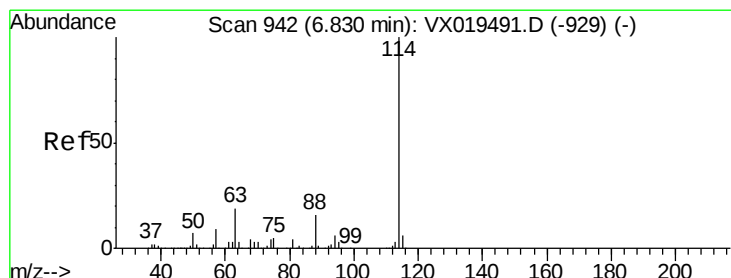
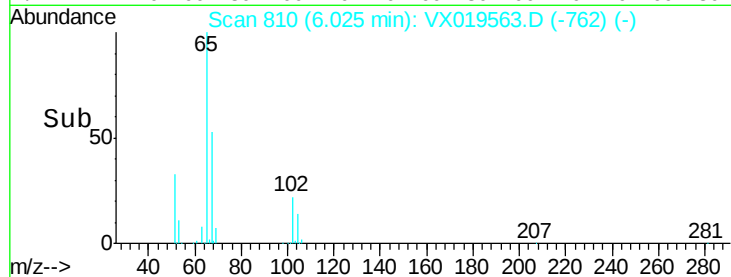
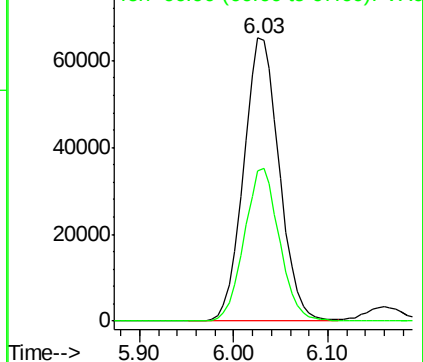
MMDadoda

11/24/2020 2:59:58 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

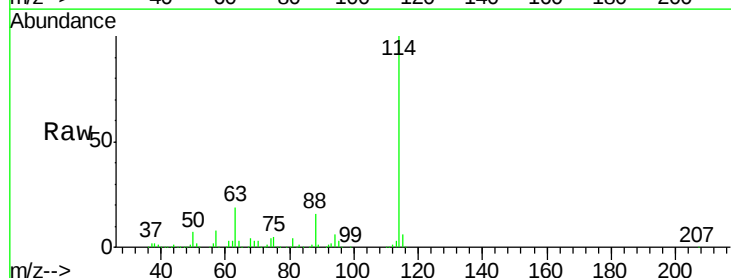
Tgt Ion: 114 Resp: 465332

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.8

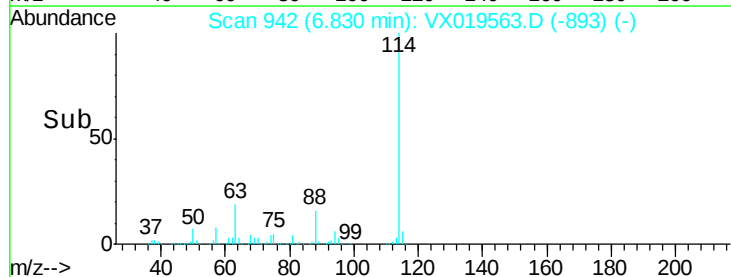
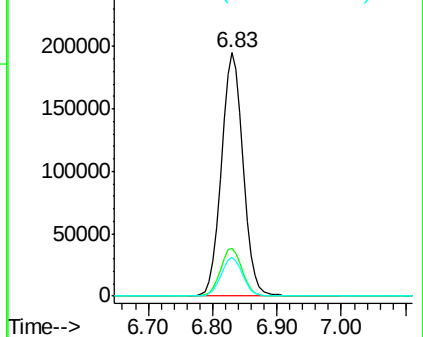
88 16.2 0.0 31.6

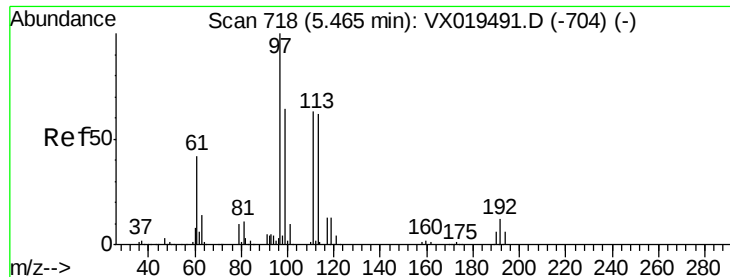


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.693 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

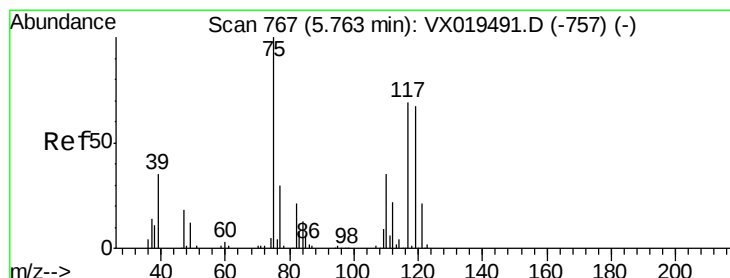
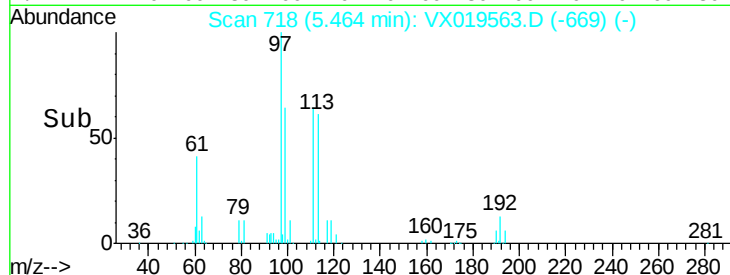
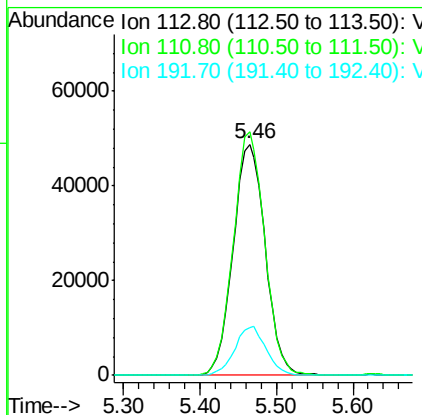
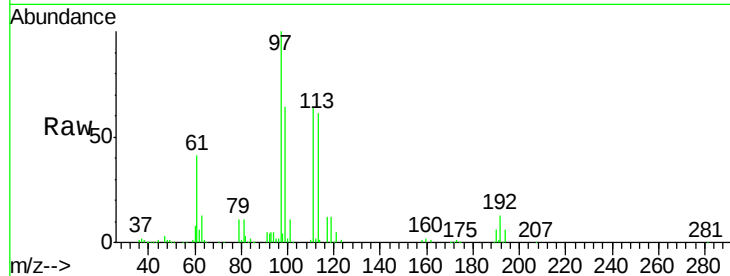
ClientSampleId :

56BR-20201118MSD

Tot Ion:	113	Resp:	142226
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.5	122.3
192	20.7	16.2	24.2

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:59:58 PM



#36

1,1-Dichloropropene

Concen: 48.089 ug/l

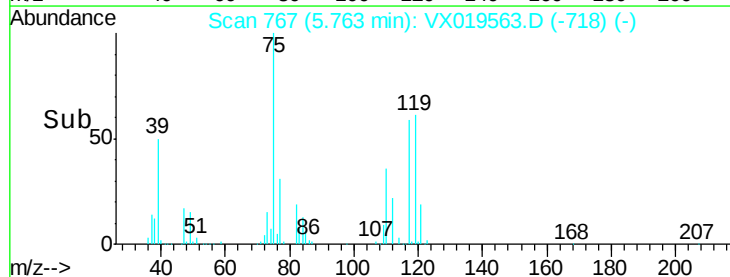
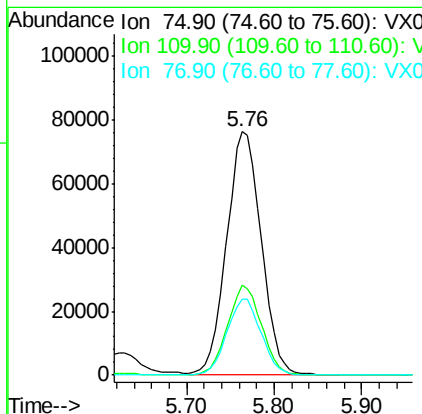
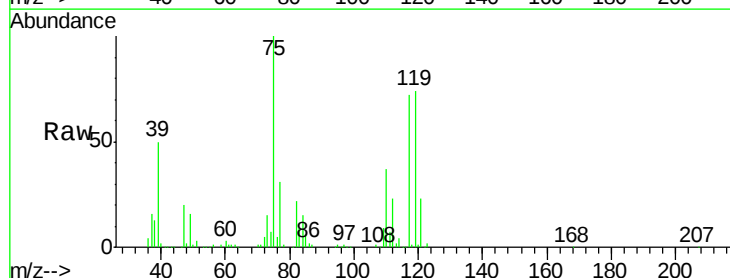
RT: 5.76 min Scan# 767

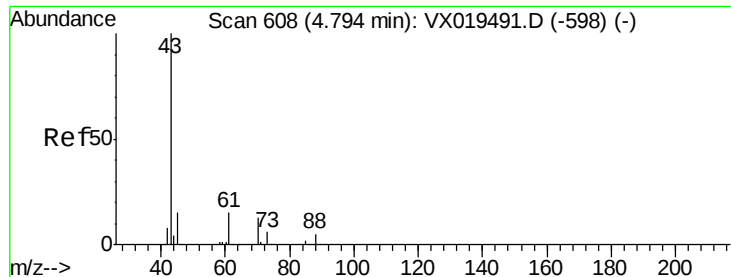
Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Tgt Ion:	75	Resp:	209788
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.1	54.3
77	31.1	24.2	36.4





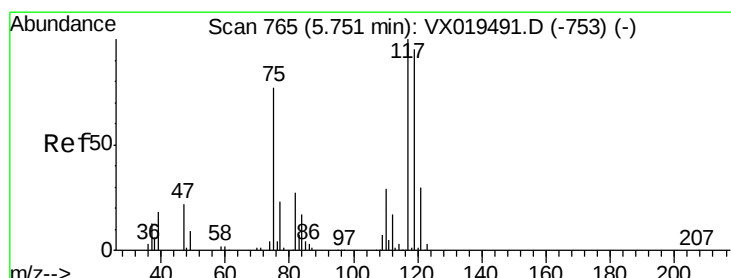
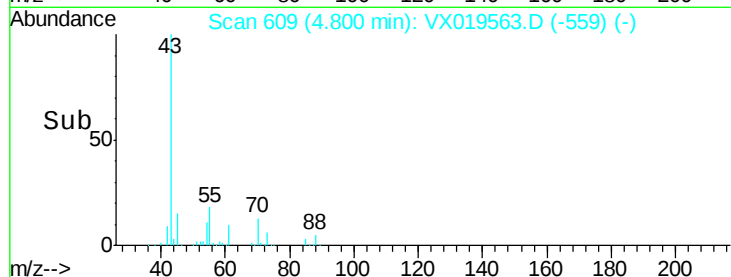
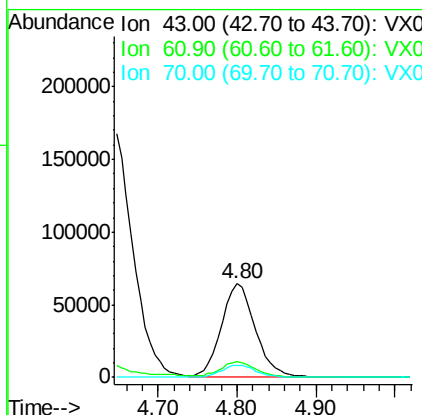
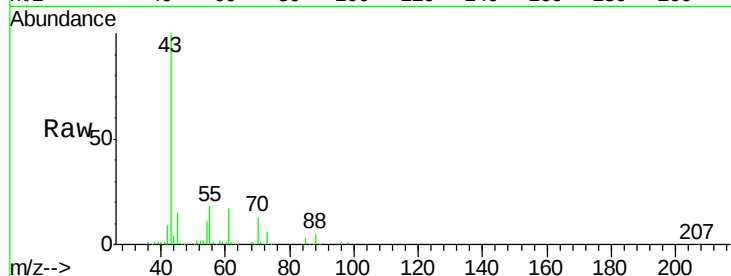
#37
Ethyl Acetate
Concen: 46.777 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.7	19.1#
70	13.5	10.2	15.2

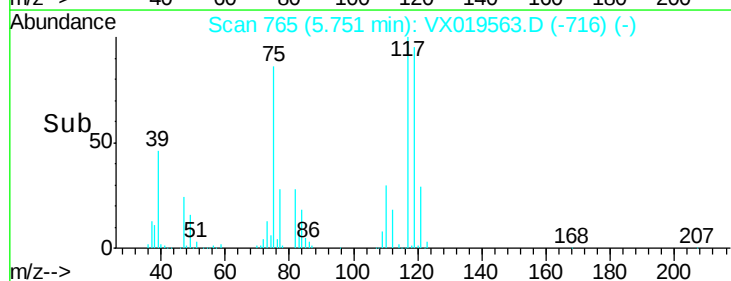
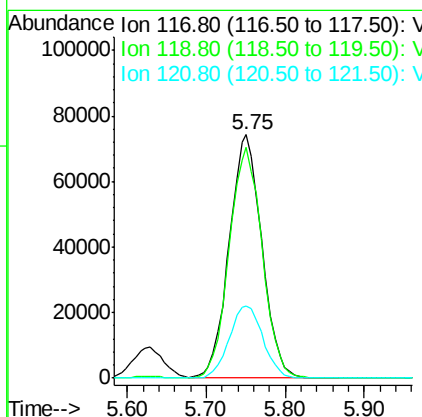
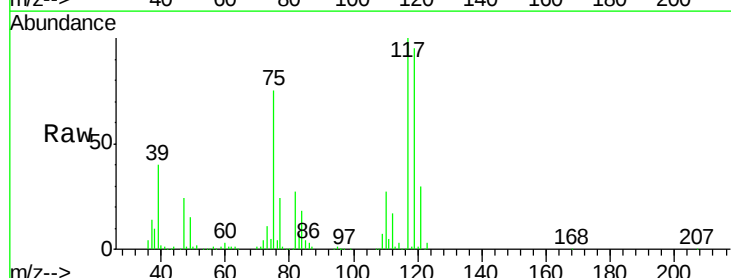
Manual Integrations
APPROVED

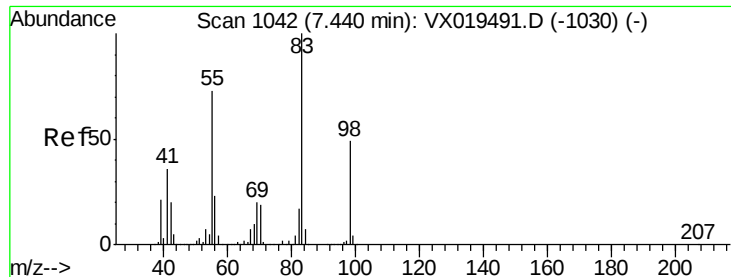
MMDadoda
11/24/2020 2:59:58 PM



#38
Carbon Tetrachloride
Concen: 50.574 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.9	113.9
121	29.7	24.0	36.0





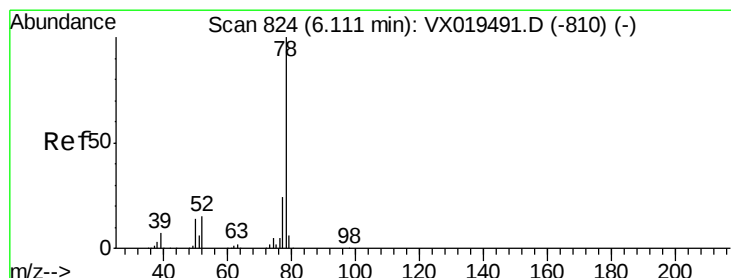
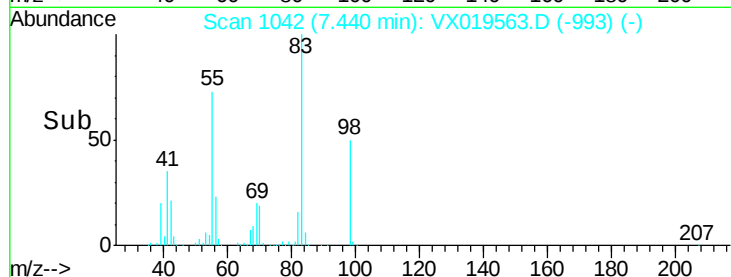
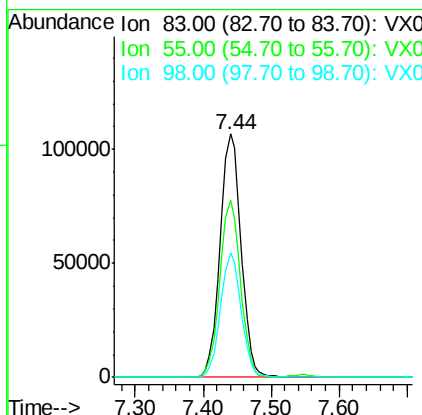
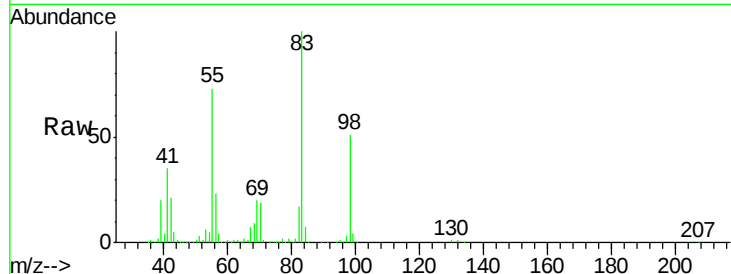
#39
Methvlcvclohexane
Concen: 45.167 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	58.3	87.5
98	51.0	38.9	58.3

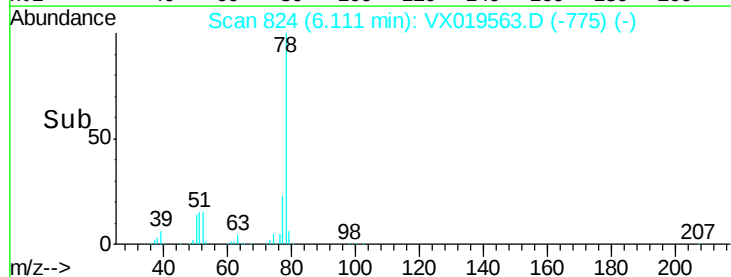
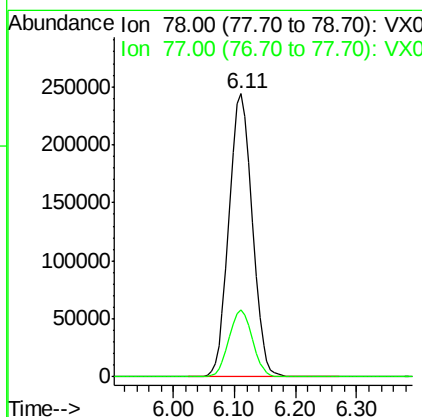
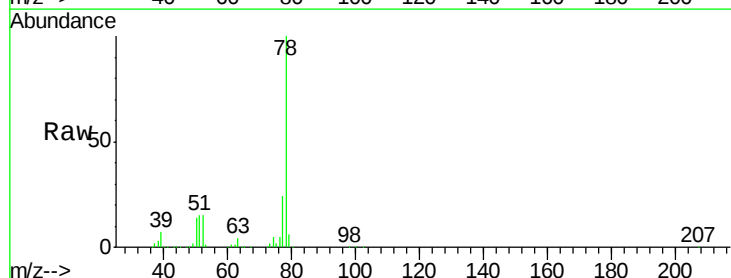
Manual Integrations
APPROVED

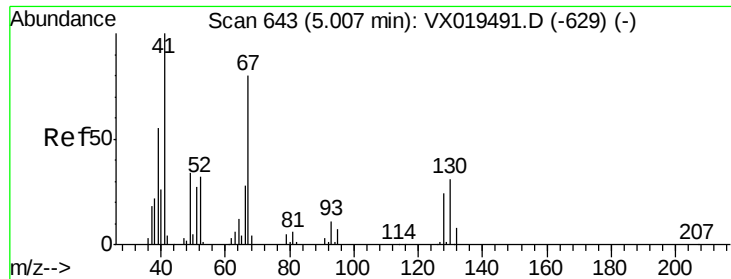
MMDadoda
11/24/2020 2:59:58 PM



#40
Benzene
Concen: 47.741 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3





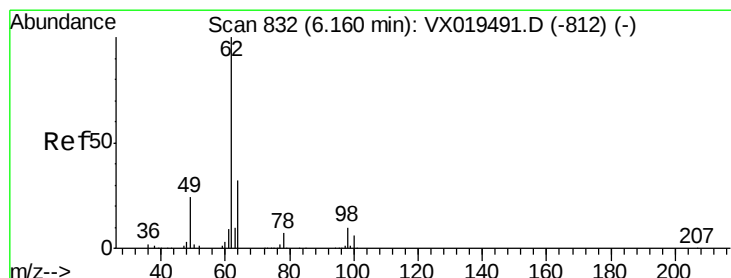
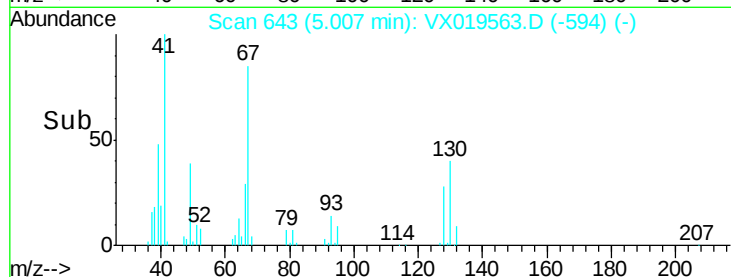
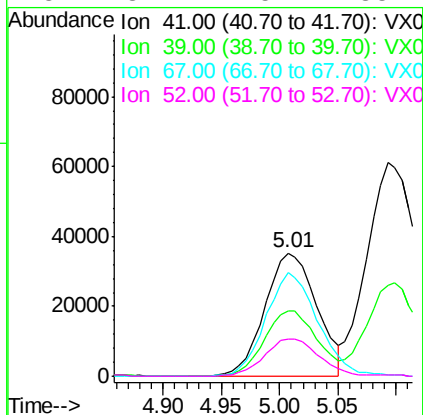
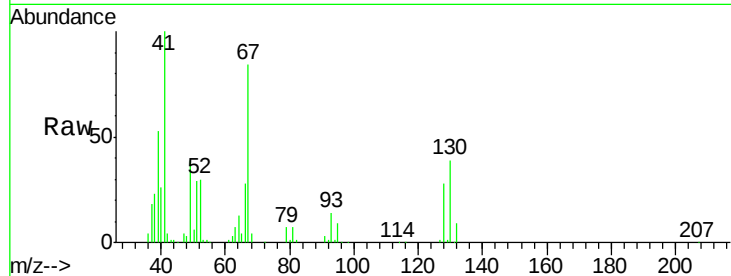
#41
Methacrylonitrile
Concen: 48.452 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.2	43.3	64.9	
67	84.9	66.0	99.0	
52	32.7	25.4	38.2	

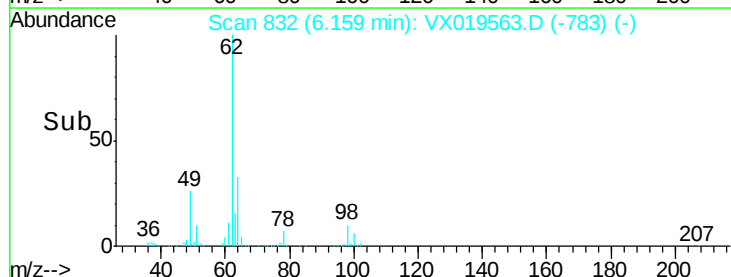
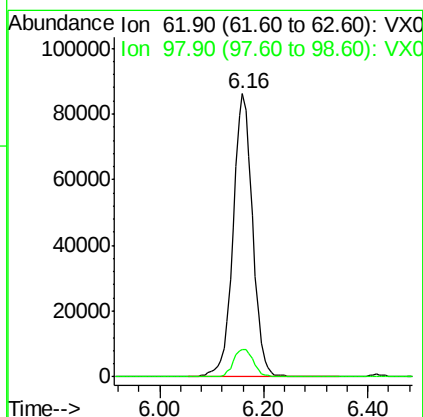
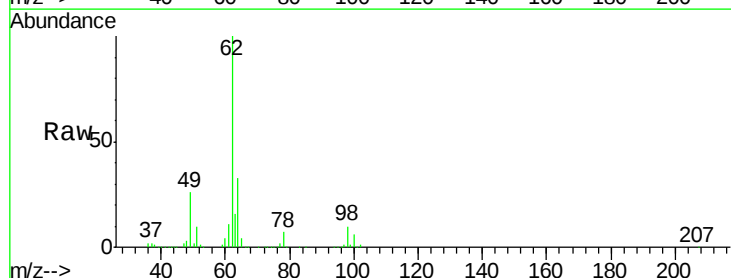
Manual Integrations
APPROVED

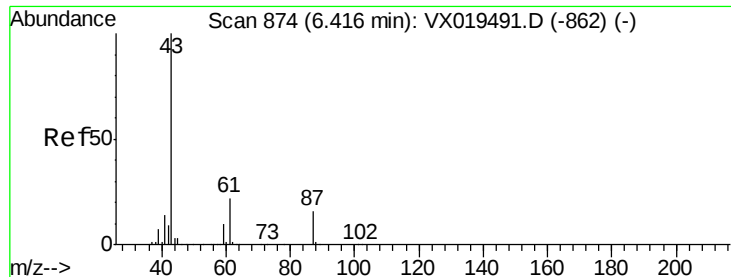
MMDadoda
11/24/2020 2:59:58 PM



#42
1,2-Dichloroethane
Concen: 49.058 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.0	





#43

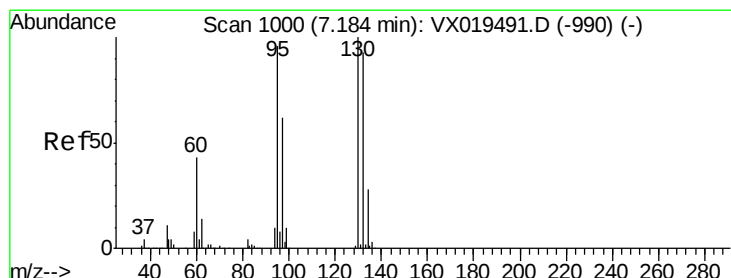
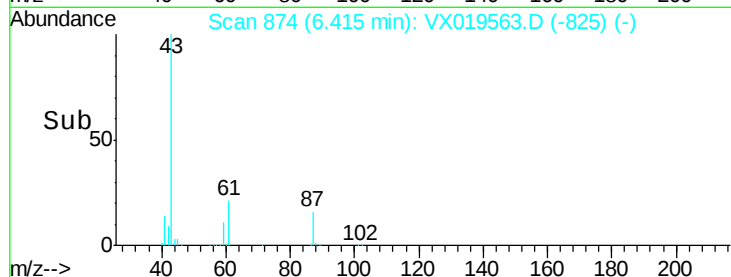
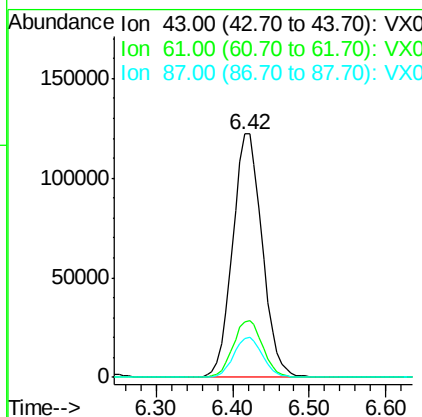
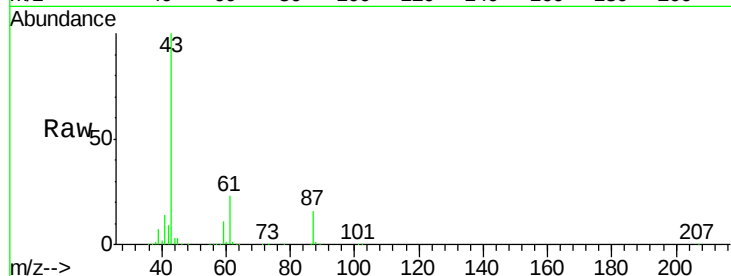
Isopropyl Acetate
 Concen: 47.374 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX019563.D
 Acq: 23 Nov 2020 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.3	18.2	27.2
87	16.1	12.6	18.8

Manual Integrations
 APPROVED

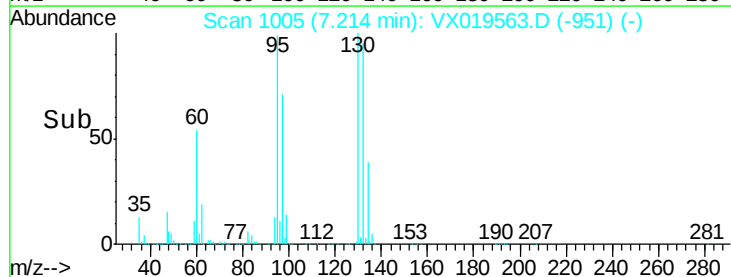
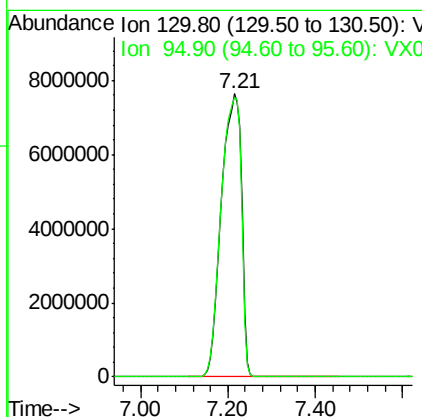
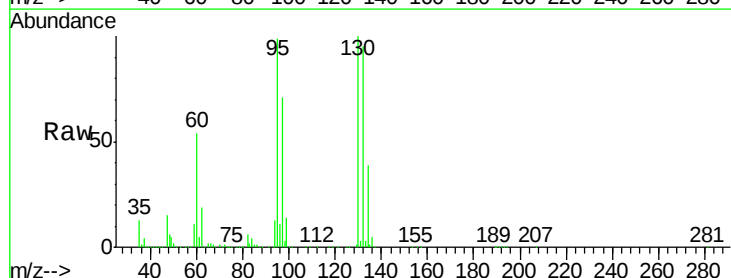
MMDadoda
 11/24/2020 2:59:58 PM

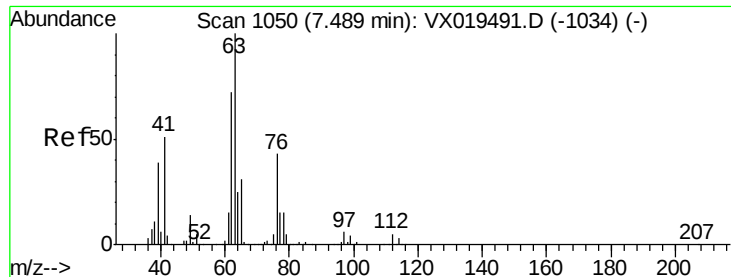


#44

Trichloroethene
 Concen: 6891.126 ug/l
 RT: 7.21 min Scan# 1005
 Delta R.T. 0.03 min
 Lab File: VX019563.D
 Acq: 23 Nov 2020 20:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	191.2





#45

1,2-Dichloropropane

Concen: 46.685 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

56BR-20201118MSD

Tot Ion: 63 Resp: 154048

Ion Ratio Lower Upper

63 100

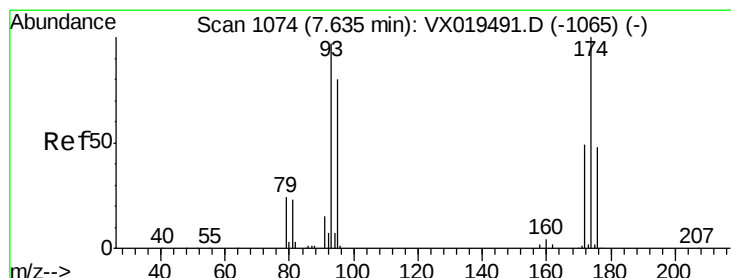
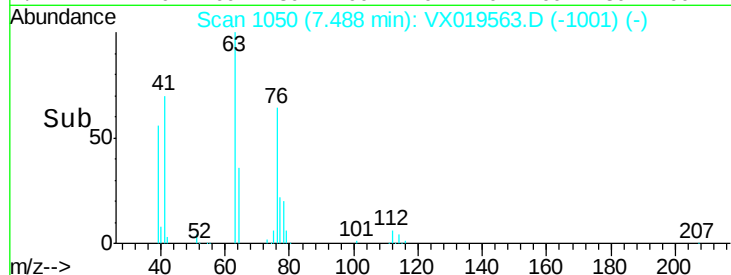
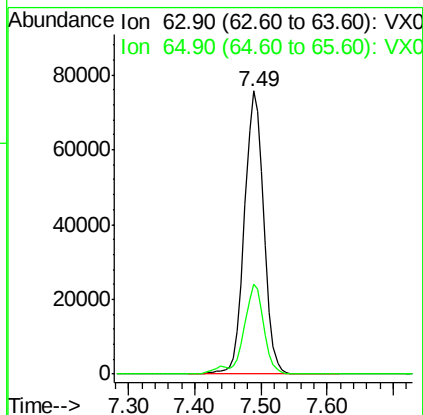
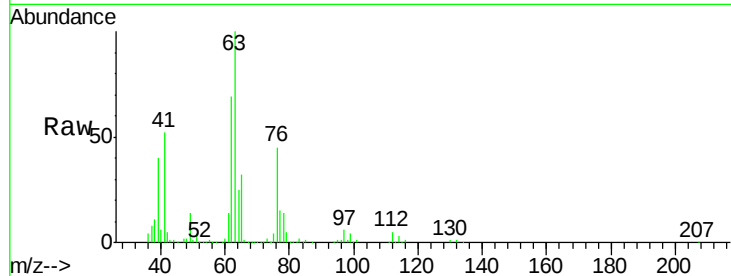
65 31.9 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

11/24/2020 2:59:58 PM



#46

Dibromomethane

Concen: 49.484 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

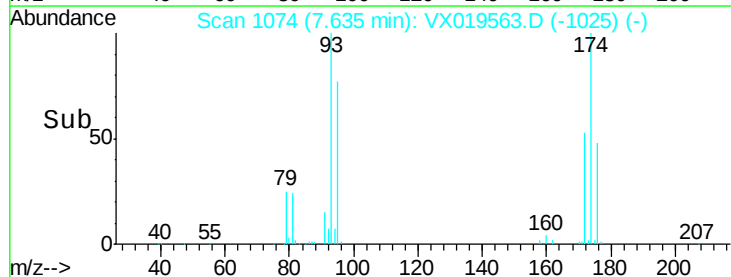
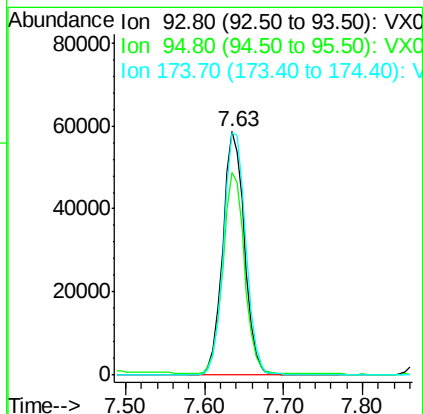
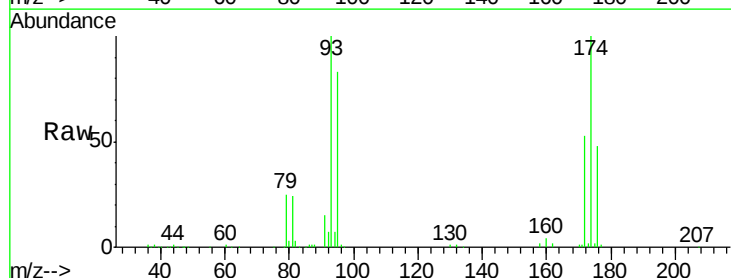
Tgt Ion: 93 Resp: 111756

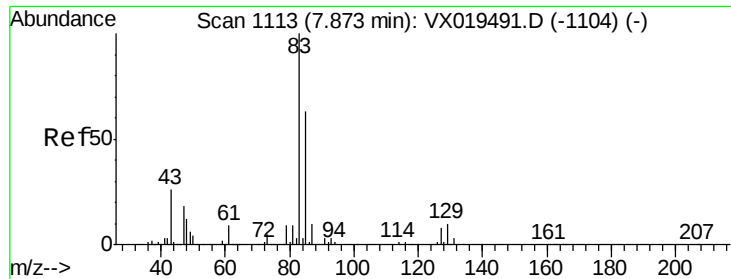
Ion Ratio Lower Upper

93 100

95 82.3 66.8 100.2

174 102.3 83.0 124.4





#47

Bromodichloromethane

Concen: 50.629 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

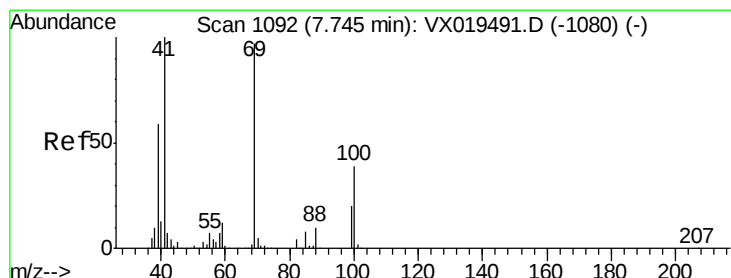
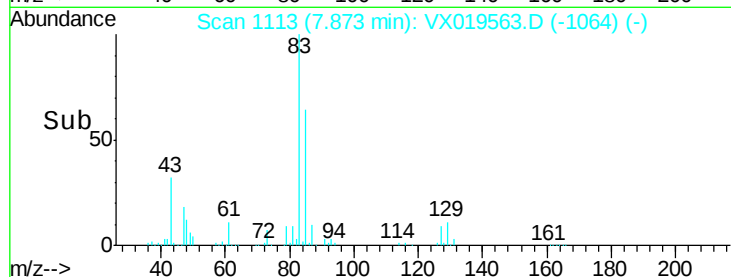
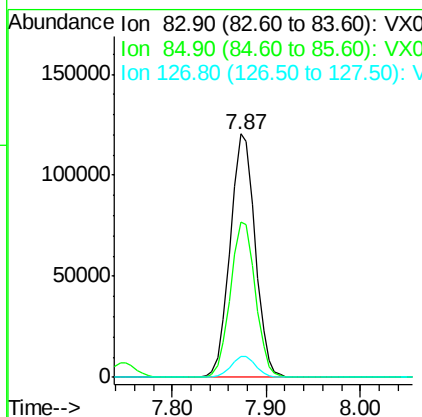
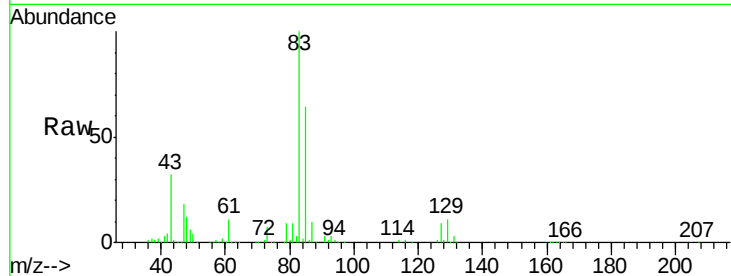
ClientSampleId :

56BR-20201118MSD

Tot Ion:	83	Resp:	221876
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.2	75.2
127	8.8	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:59:58 PM



#48

Methyl methacrylate

Concen: 50.515 ug/l

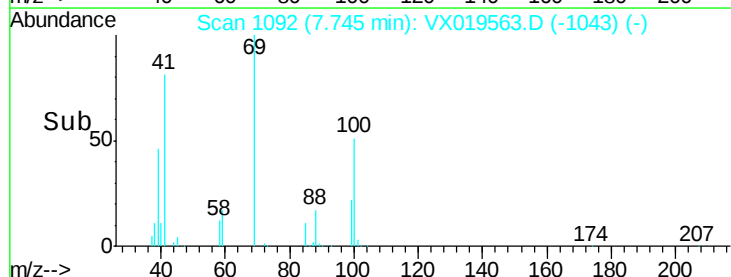
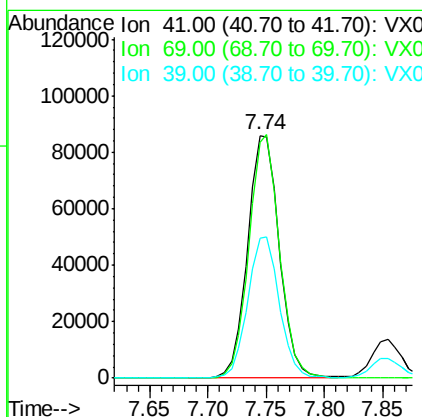
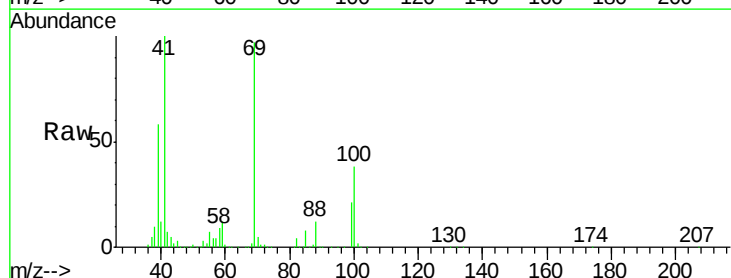
RT: 7.74 min Scan# 1092

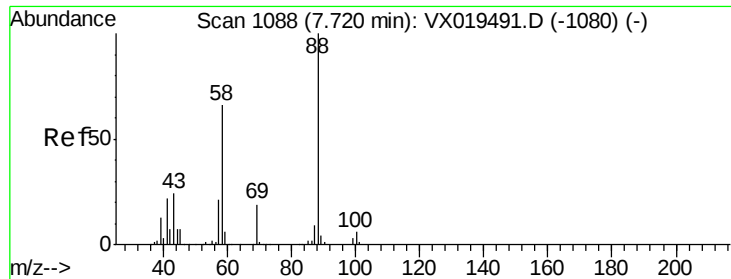
Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Tgt Ion:	41	Resp:	162869
Ion Ratio	Lower	Upper	
41	100		
69	97.5	77.0	115.6
39	58.4	45.6	68.4





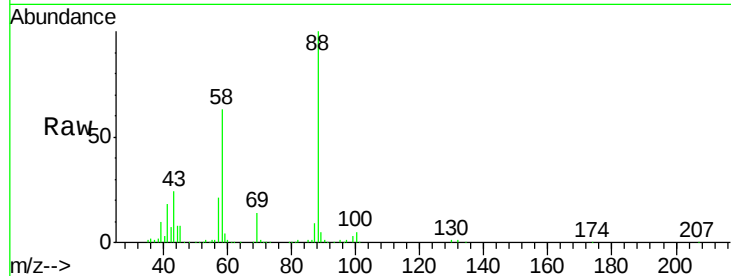
#49
1,4-Dioxane
Concen: 1089.070 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.4	23.8	35.6
58	64.4	54.2	81.2

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:59:58 PM

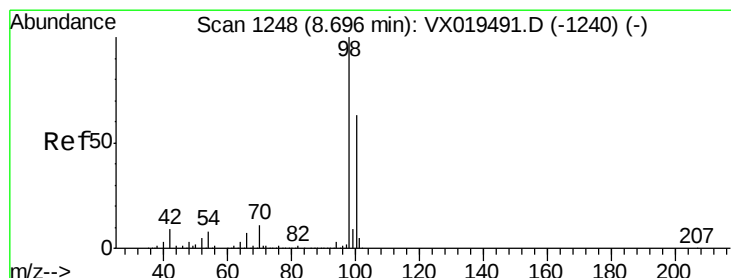
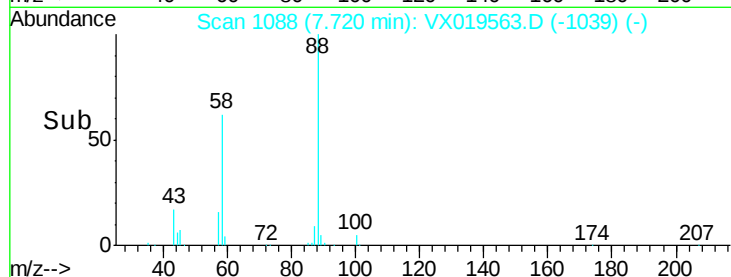
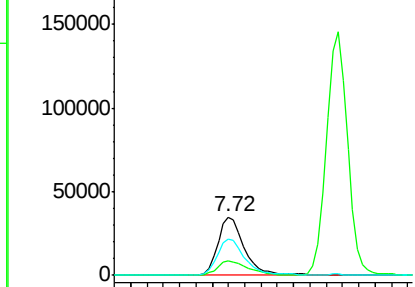


Abundance

Ion 88.00 (87.70 to 88.70): VX0

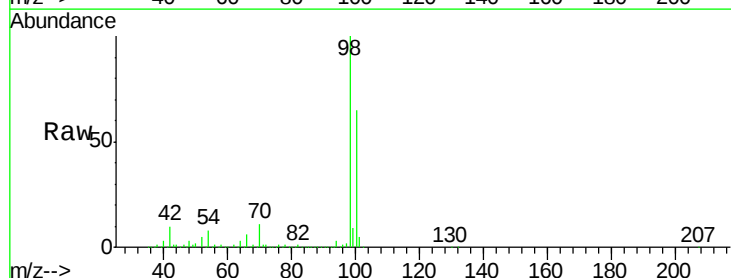
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 46.516 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

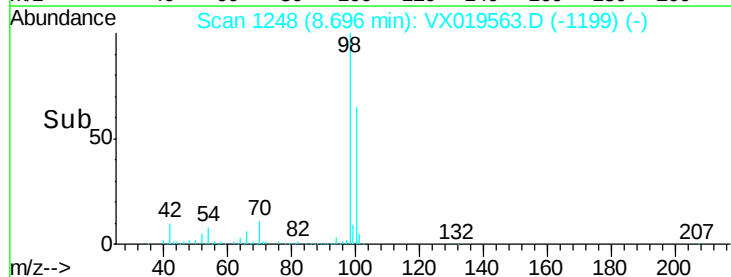
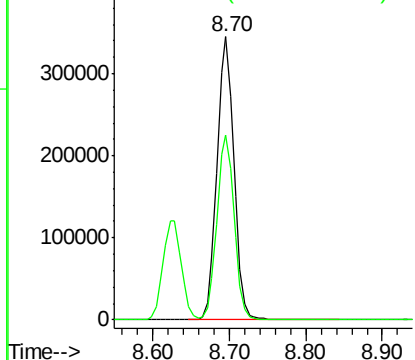
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.4	78.6

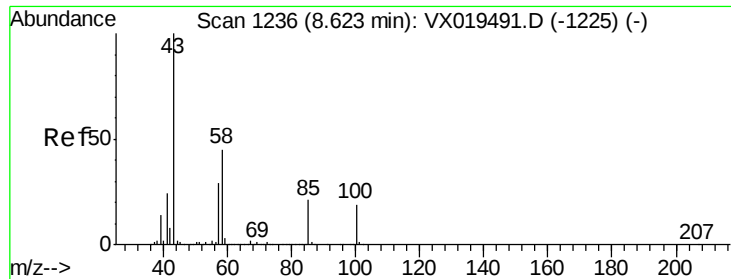


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





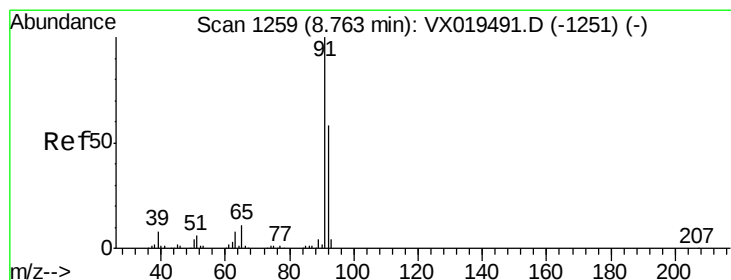
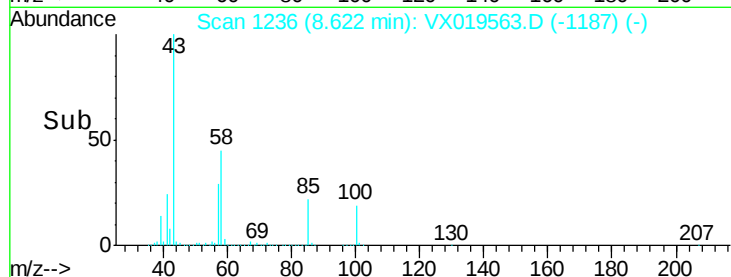
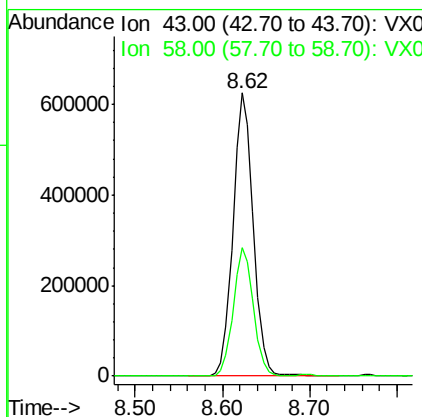
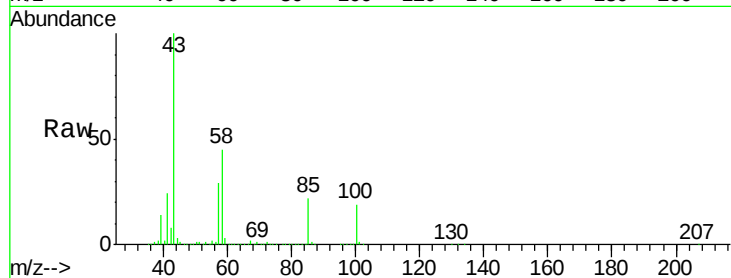
#51
4-Methyl-2-Pentanone
Concen: 251.216 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

Tot Ion: 43 Resp: 1008522
Ion Ratio Lower Upper
43 100
58 45.0 35.1 52.7

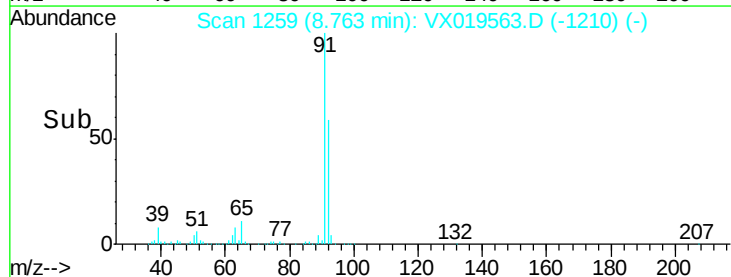
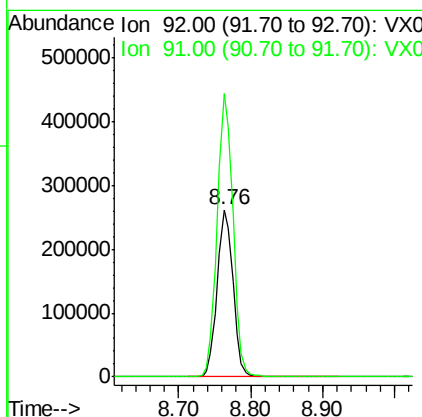
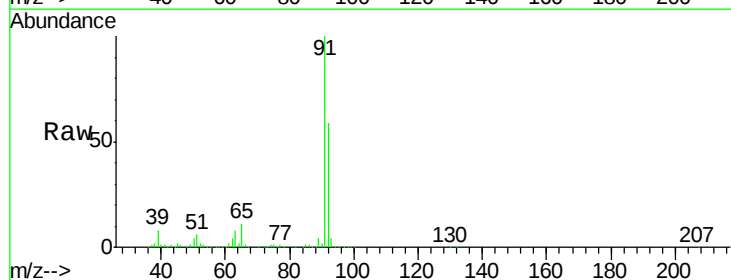
Manual Integrations
APPROVED

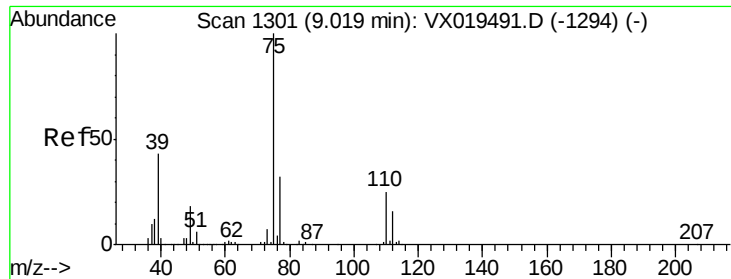
MMDadoda
11/24/2020 2:59:58 PM



#52
Toluene
Concen: 48.572 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Tgt Ion: 92 Resp: 398279
Ion Ratio Lower Upper
92 100
91 169.2 138.1 207.1





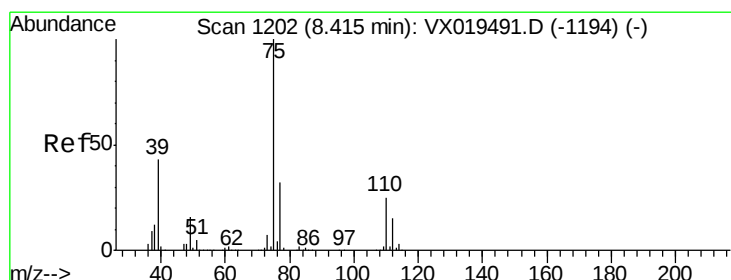
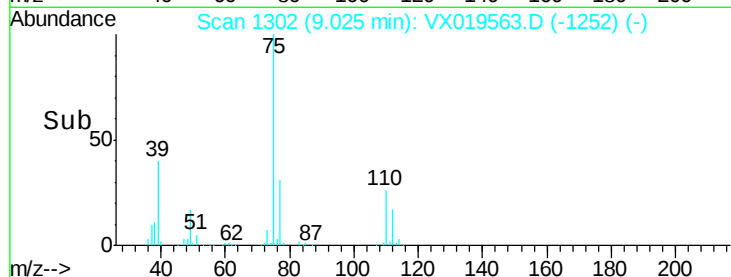
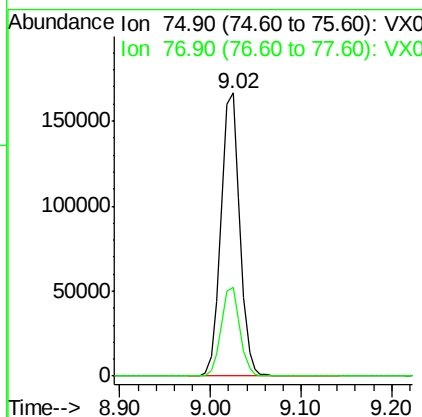
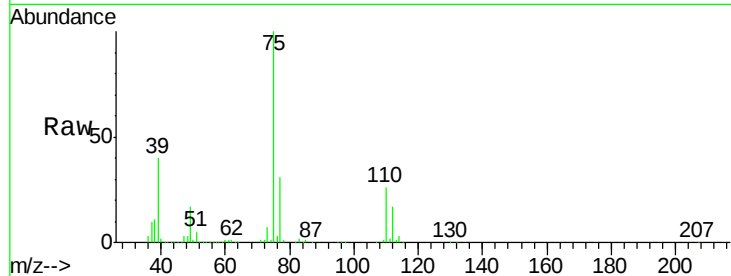
#53
t-1,3-Dichloropropene
Concen: 50.946 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

Tot Ion: 75 Resp: 241124
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9

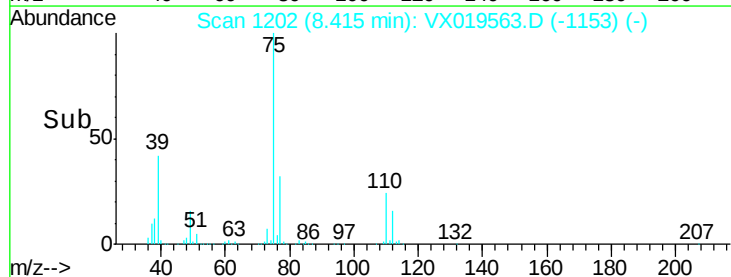
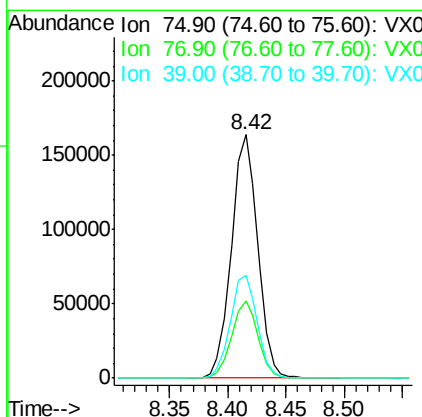
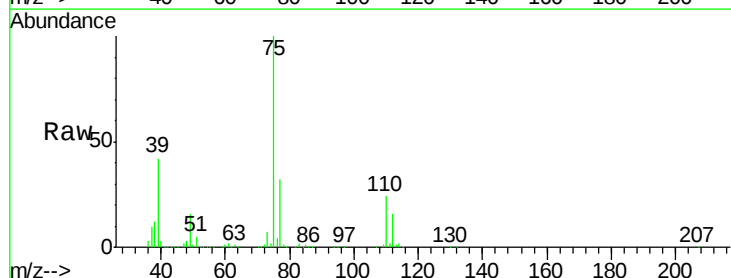
Manual Integrations
APPROVED

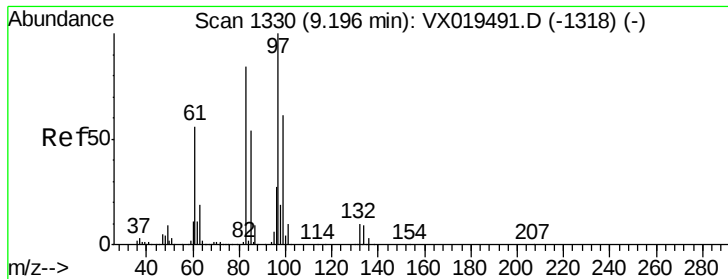
MMDadoda
11/24/2020 2:59:58 PM



#54
cis-1,3-Dichloropropene
Concen: 49.090 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Tgt Ion: 75 Resp: 257838
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.6
39 42.2 34.6 51.8





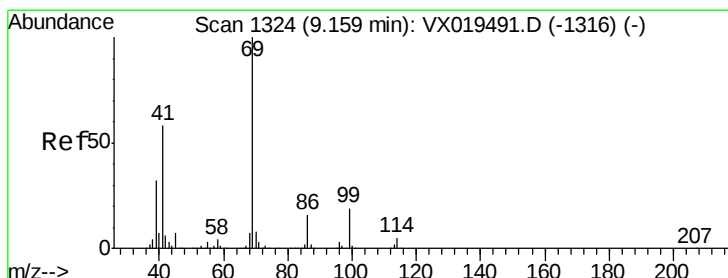
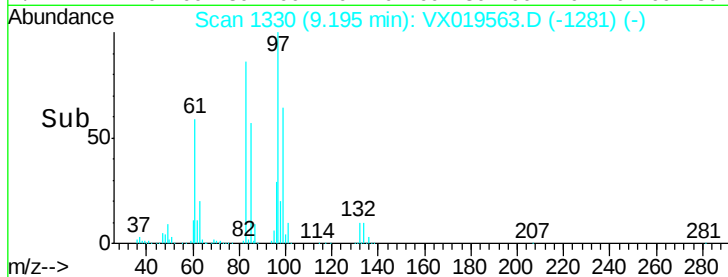
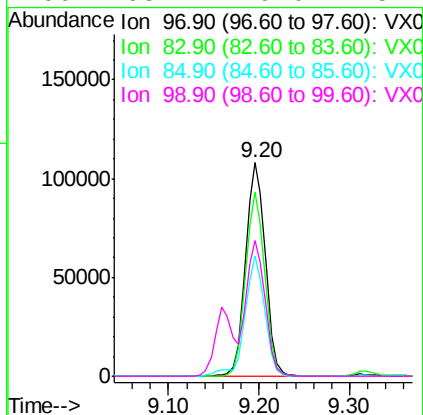
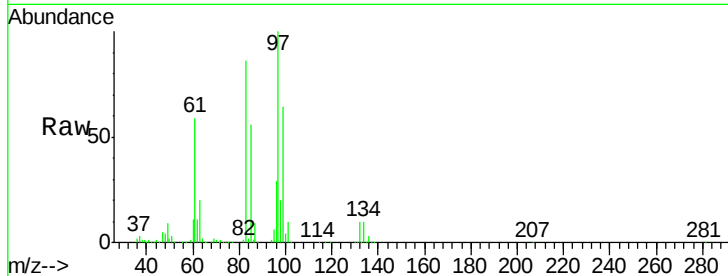
#55
 1,1,2-Trichloroethane
 Concen: 48.521 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX019563.D
 Acq: 23 Nov 2020 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20201118MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		162033		
83	86.3	67.0	100.6		
85	56.5	43.4	65.0		
99	63.7	49.0	73.4		

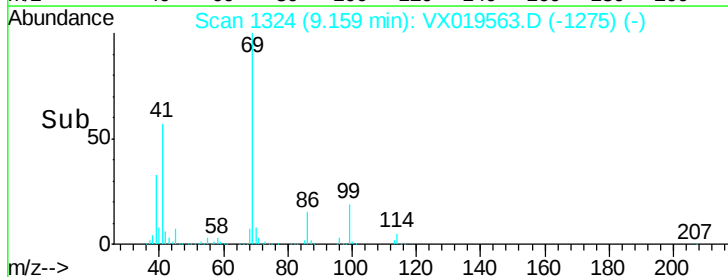
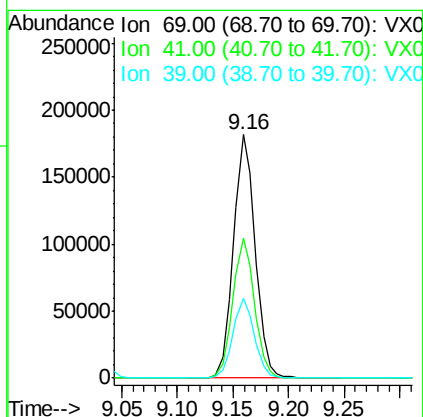
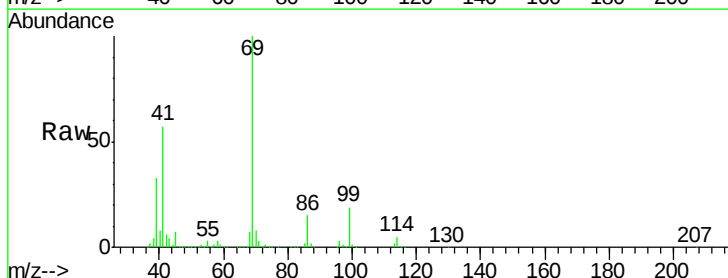
Manual Integrations
 APPROVED

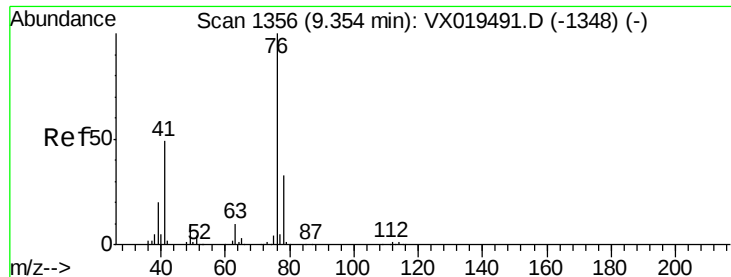
MMDadoda
 11/24/2020 2:59:58 PM



#56
 Ethyl methacrylate
 Concen: 52.023 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX019563.D
 Acq: 23 Nov 2020 20:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		245826		
41	57.5	46.2	69.2		
39	32.6	25.5	38.3		





#57

1,3-Dichloropropane

Concen: 48.744 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

56BR-20201118MSD

Tot Ion: 76 Resp: 272526

Ion Ratio Lower Upper

76 100

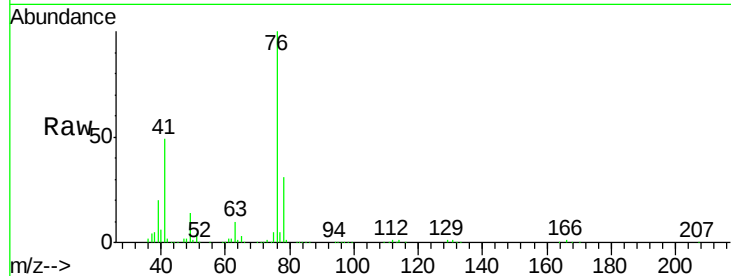
78 32.2 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

11/24/2020 2:59:58 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

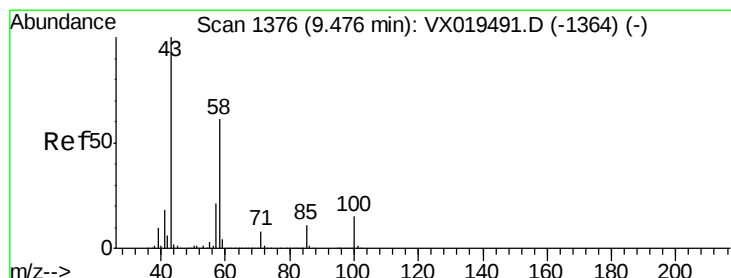
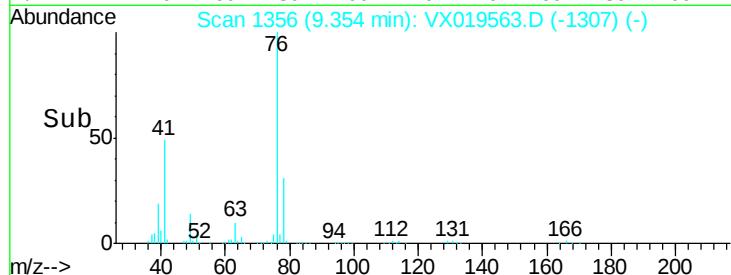
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 256.189 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VX019563.D

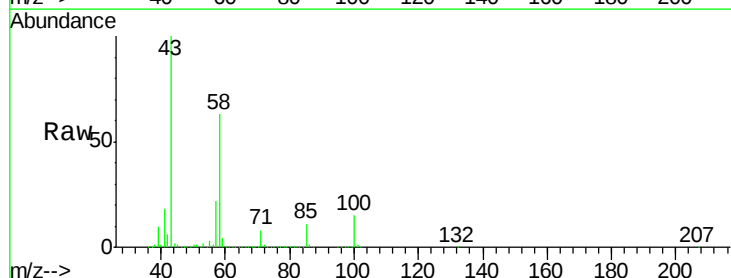
Acq: 23 Nov 2020 20:09

Tgt Ion: 43 Resp: 780029

Ion Ratio Lower Upper

43 100

58 62.4 30.6 91.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.48

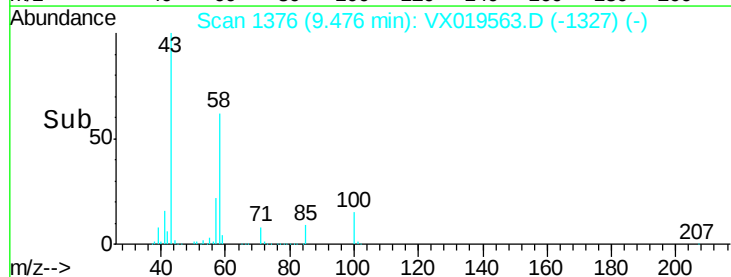
600000

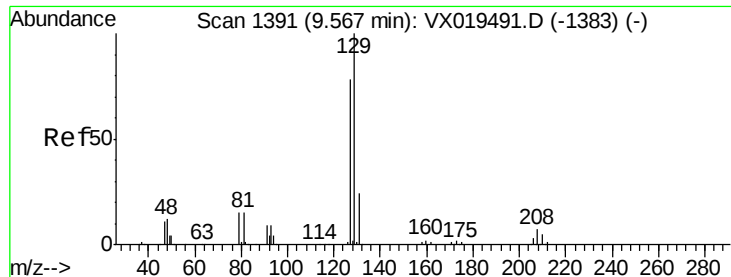
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 51.818 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

56BR-20201118MSD

Tot Ion:129 Resp: 169495

Ion Ratio Lower Upper

129 100

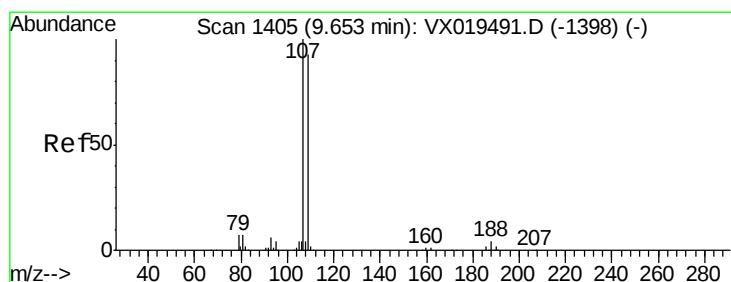
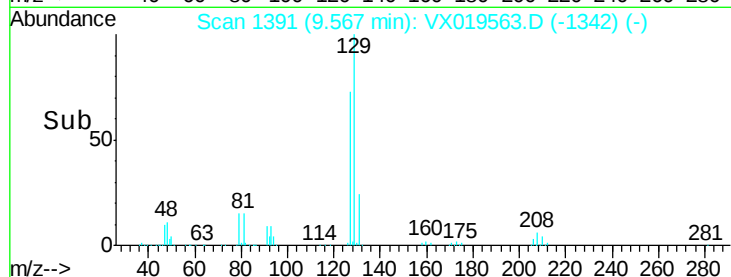
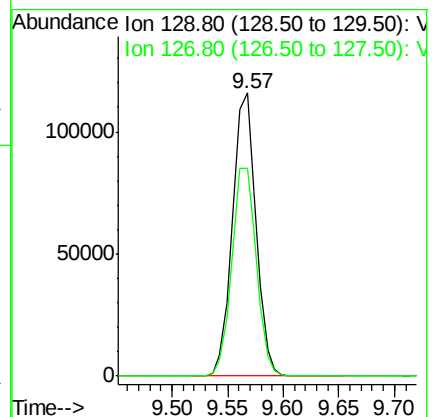
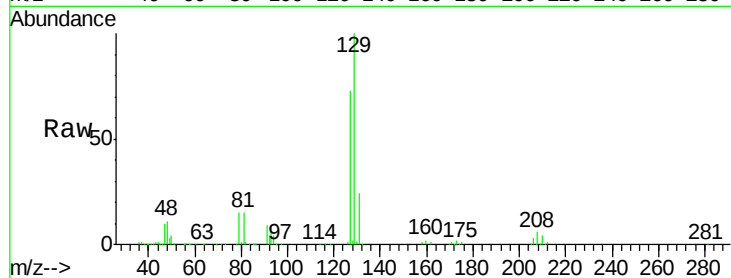
127 76.9 39.0 116.9

Manual Integrations

APPROVED

MMDadoda

11/24/2020 2:59:58 PM



#61

1,2-Dibromoethane

Concen: 50.632 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019563.D

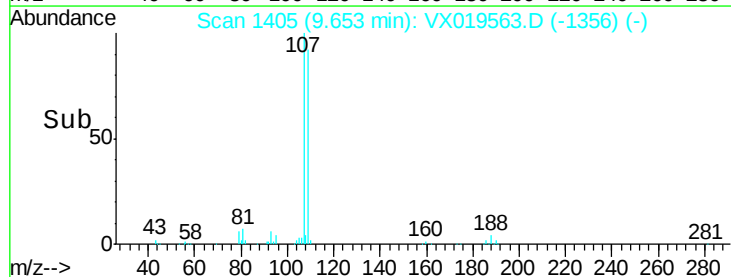
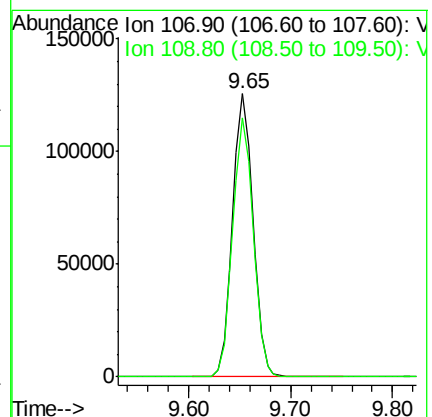
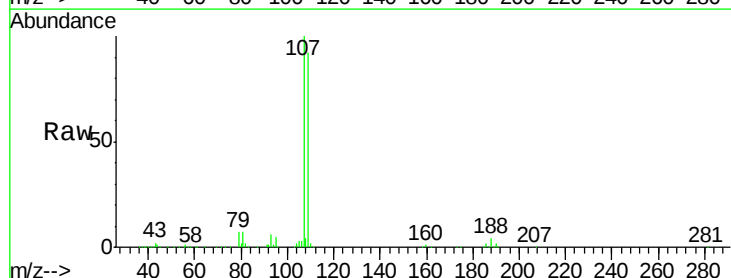
Acq: 23 Nov 2020 20:09

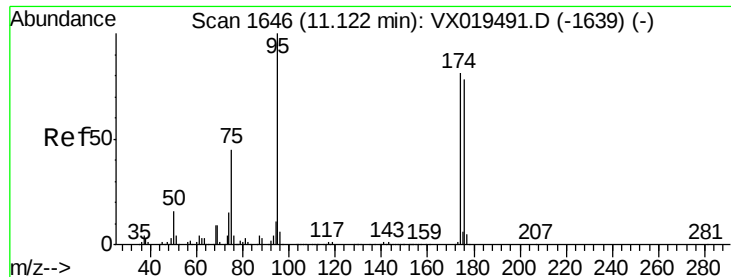
Tgt Ion:107 Resp: 174288

Ion Ratio Lower Upper

107 100

109 92.7 74.8 112.2





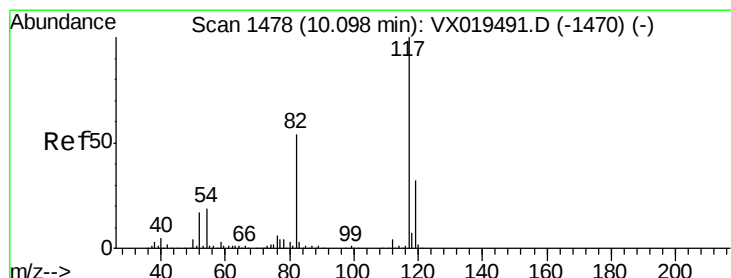
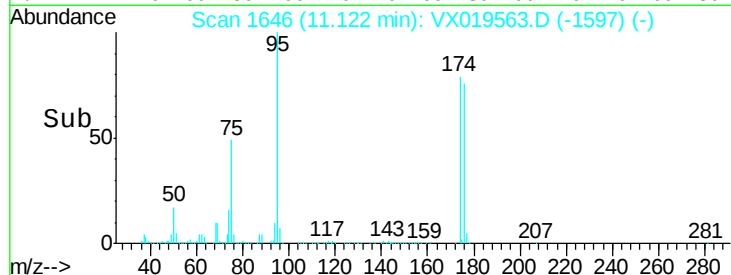
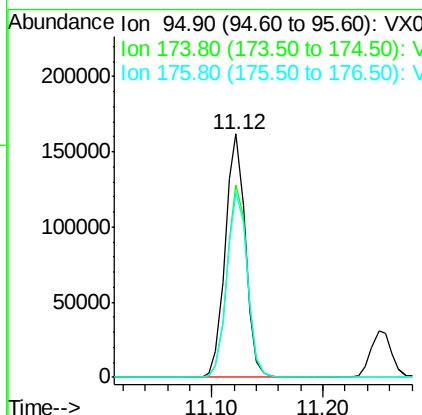
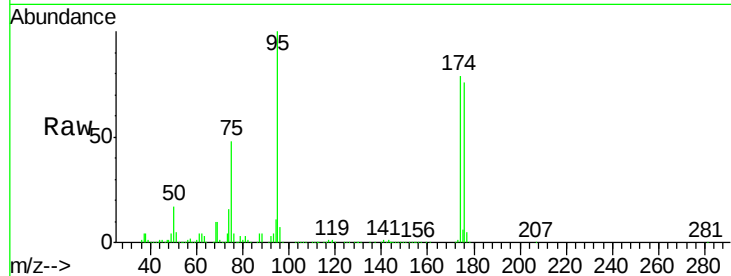
#62
4-Bromofluorobenzene
Concen: 49.379 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	201646		
174	79.0	0.0	156.2	
176	77.2	0.0	151.4	

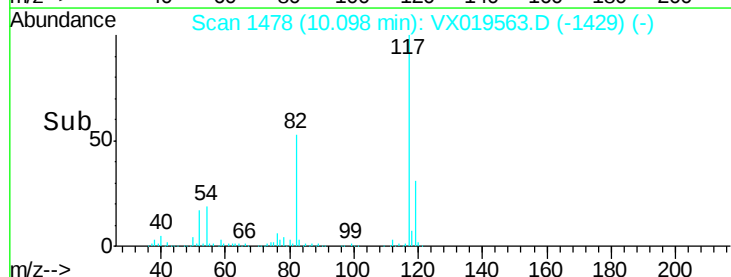
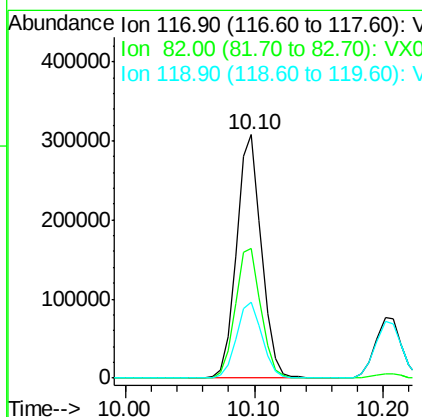
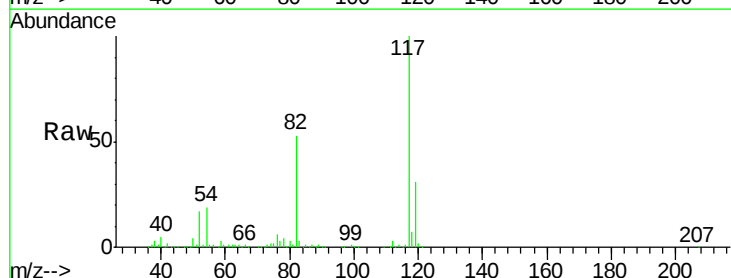
Manual Integrations
APPROVED

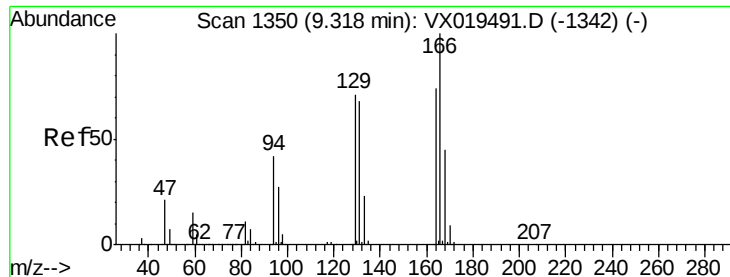
MMDadoda
11/24/2020 2:59:58 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	412185		
82	53.5	43.0	64.4	
119	31.0	25.6	38.4	





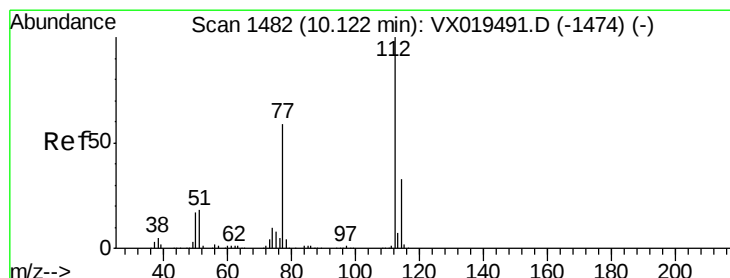
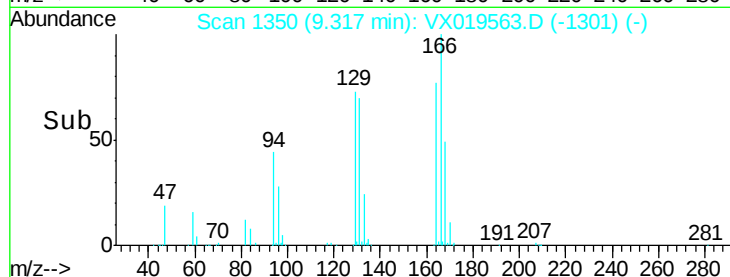
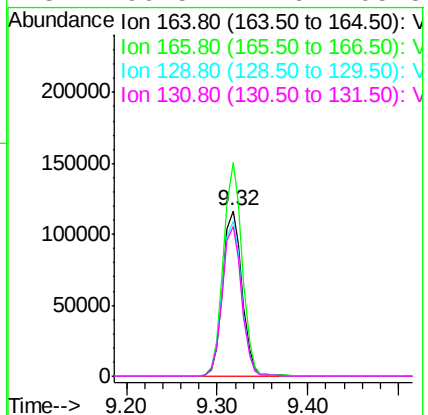
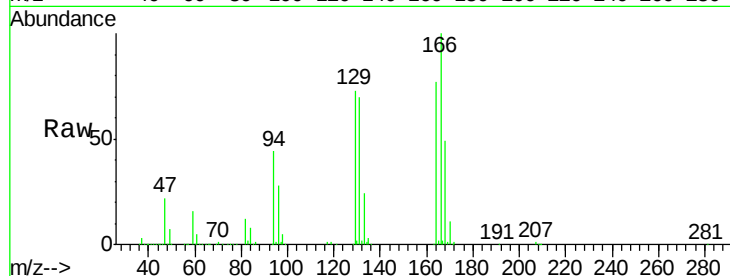
#64
Tetrachloroethene
Concen: 53.509 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.3	107.4	161.0
129	94.1	76.6	114.8
131	90.5	72.6	108.8

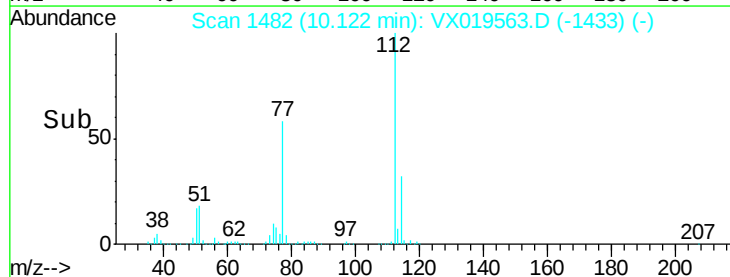
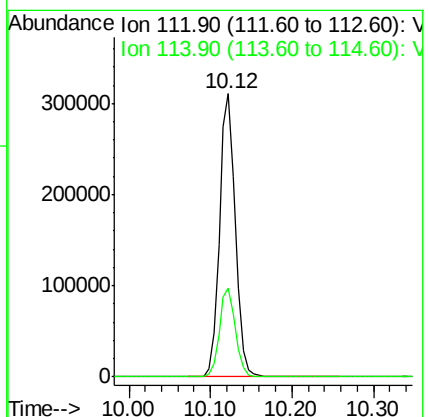
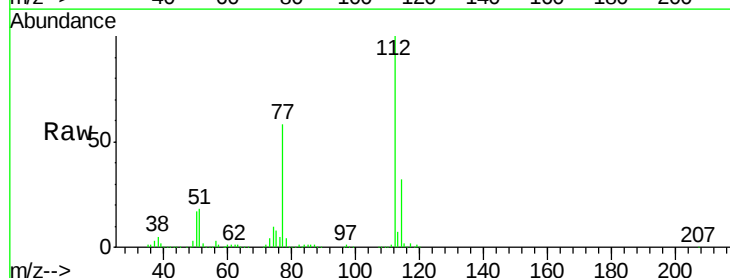
Manual Integrations
APPROVED

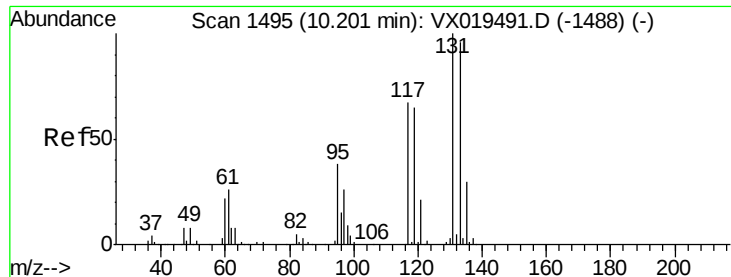
MMDadoda
11/24/2020 2:59:58 PM



#65
Chlorobenzene
Concen: 49.637 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.0	39.0





#66

1,1,1,2-Tetrachloroethane

Concen: 50.499 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

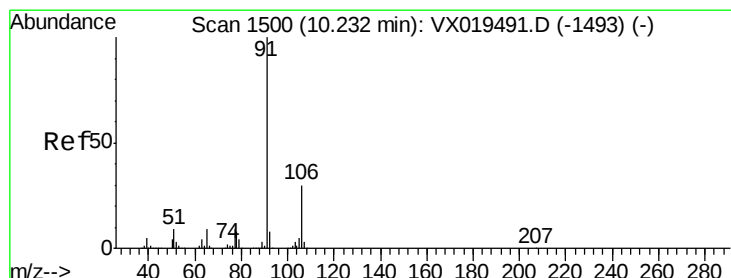
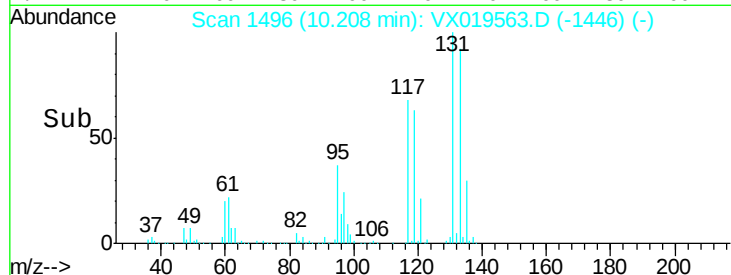
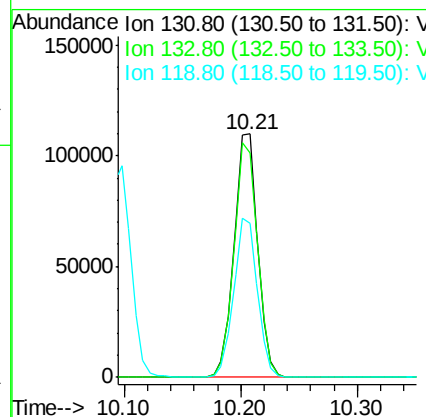
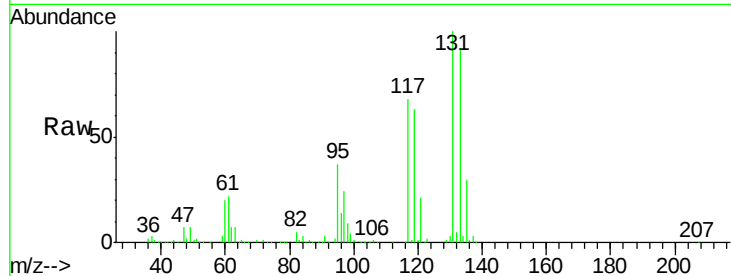
ClientSampleId :

56BR-20201118MSD

Tot Ion:	131	Resp:	155665
Ion Ratio	Lower	Upper	
131	100		
133	96.5	48.5	145.5
119	65.5	33.0	99.0

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:59:58 PM



#67

Ethyl Benzene

Concen: 50.159 ug/l

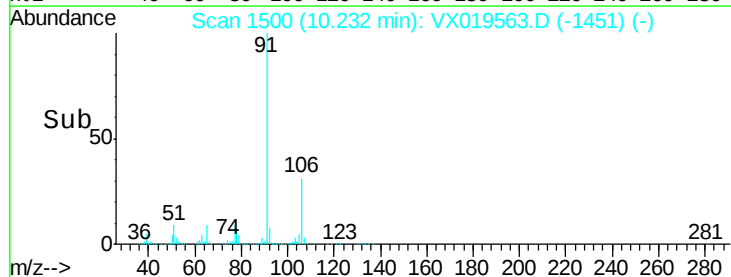
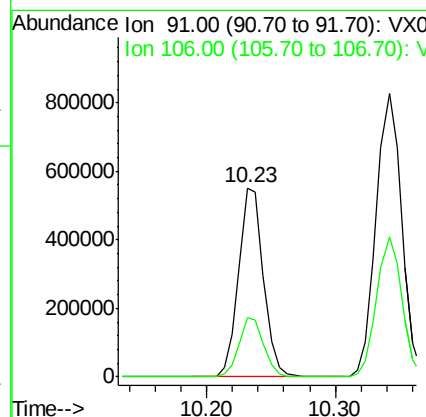
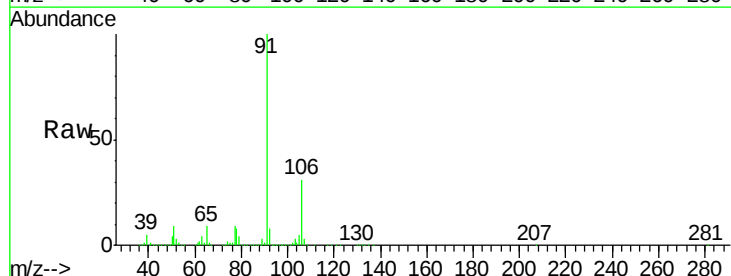
RT: 10.23 min Scan# 1500

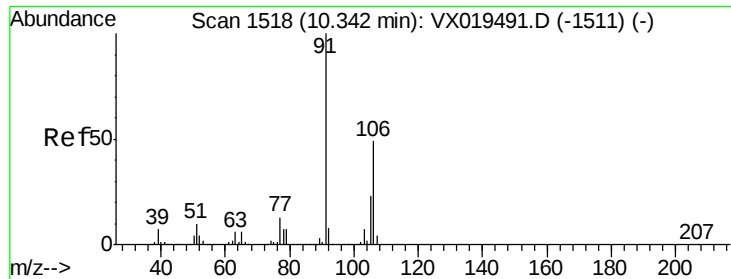
Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Tgt Ion:	91	Resp:	744672
Ion Ratio	Lower	Upper	
91	100		
106	31.2	24.0	36.0





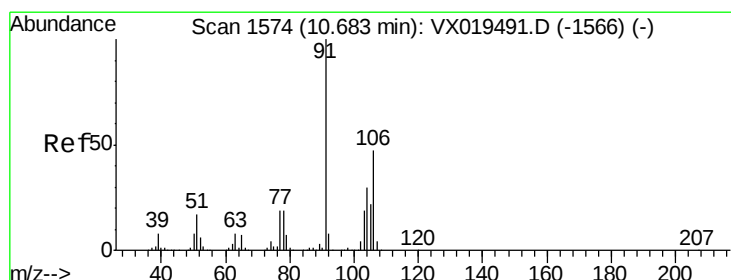
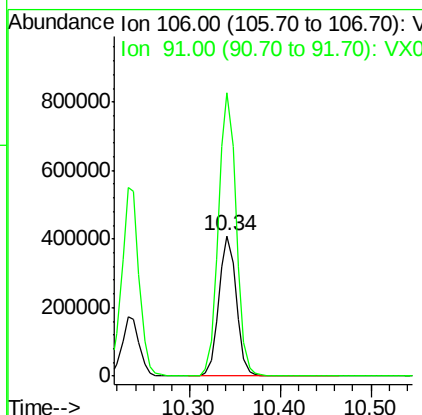
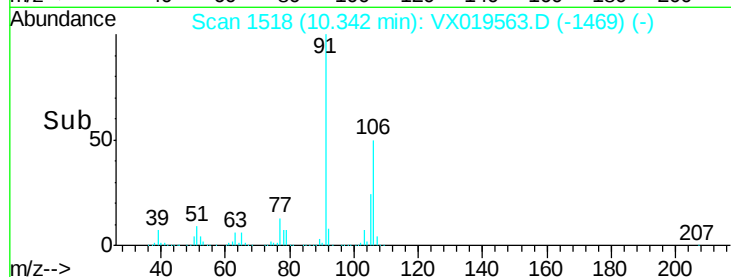
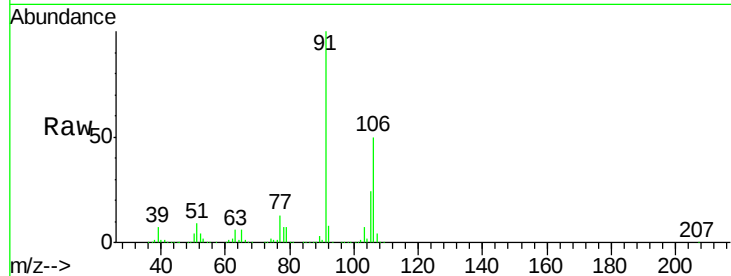
#68
m/p-Xylenes
Concen: 100.313 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	203.6	163.3	244.9		

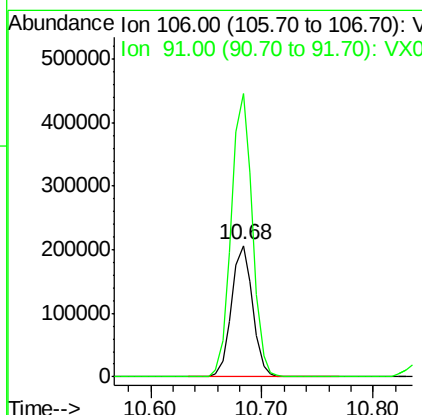
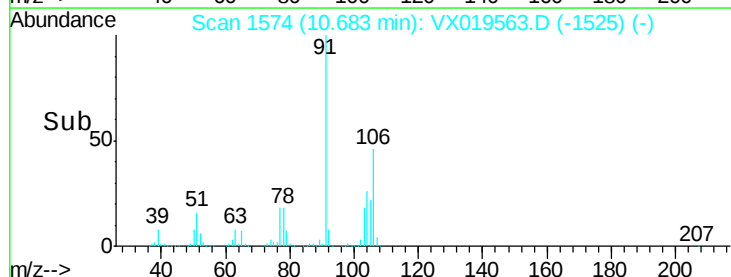
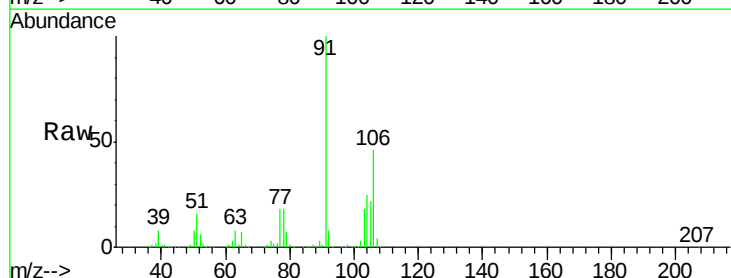
Manual Integrations
APPROVED

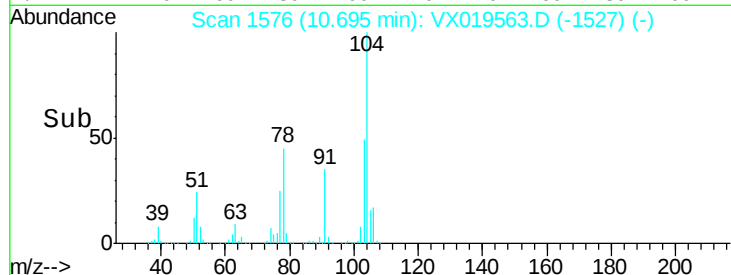
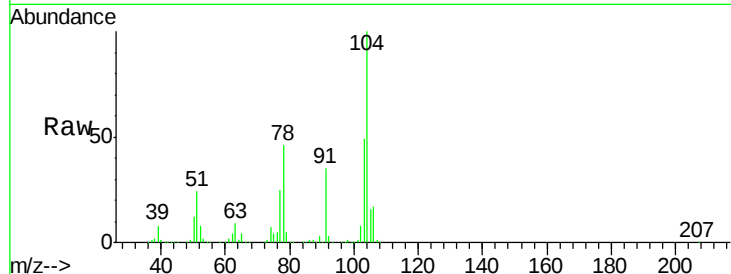
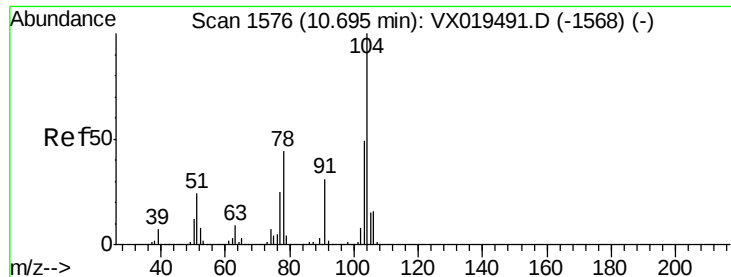
MMDadoda
11/24/2020 2:59:58 PM



#69
o-Xylene
Concen: 51.154 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	215.5	108.0	324.0		





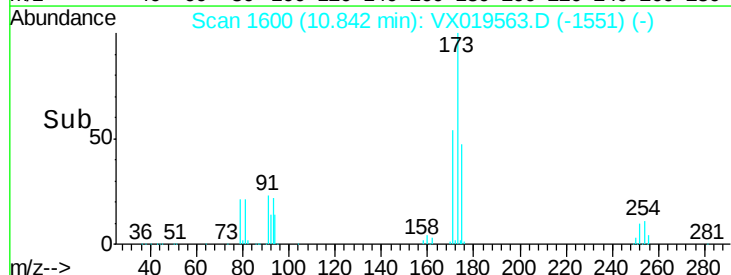
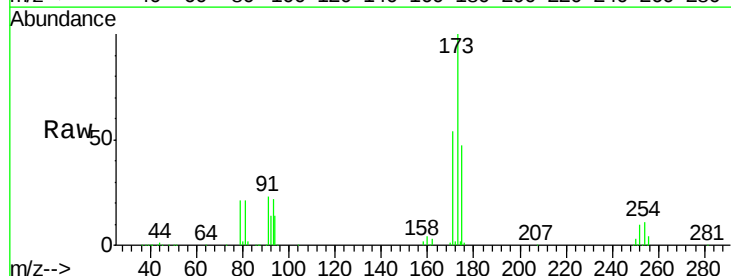
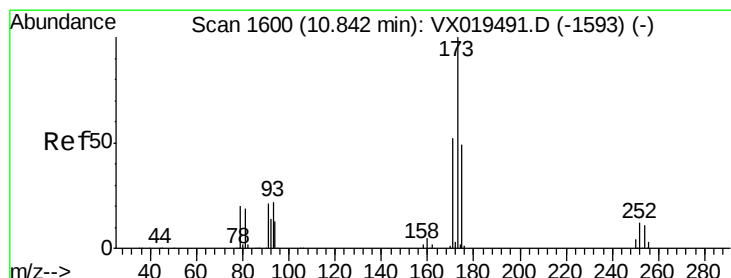
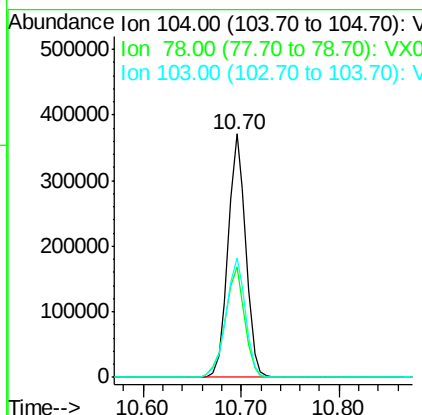
#70
Stvrene
Concen: 47.702 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Tot Ion	Ratio	Resp	Lower	Upper
104	100	466107		
78	49.8	39.5	59.3	
103	53.7	43.6	65.4	

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

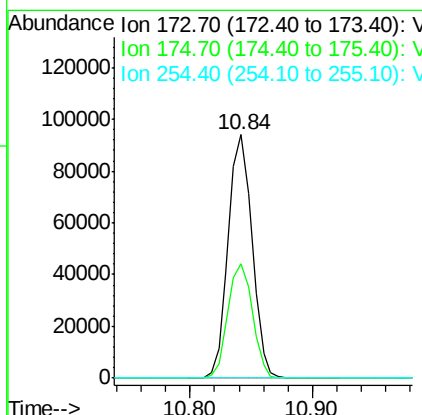
Manual Integrations
APPROVED

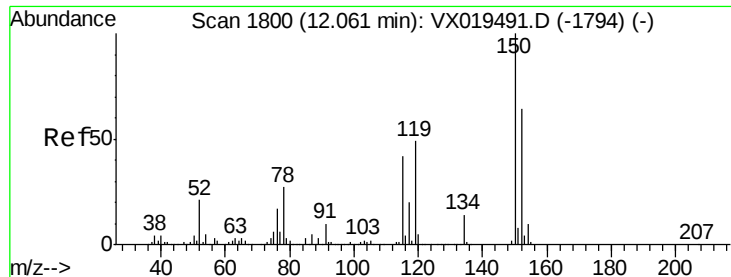
MMDadoda
11/24/2020 2:59:58 PM



#71
Bromoform
Concen: 48.795 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	127174		
175	48.3	24.9	74.8	
254	0.1	0.1	0.1	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

56BR-20201118MSD

Tot Ion:152 Resp: 201882

Ion Ratio Lower Upper

152 100

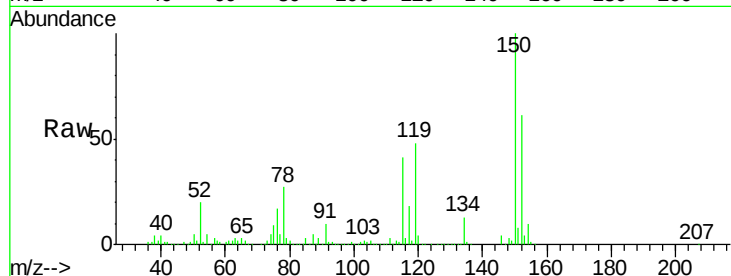
115 84.1 41.8 125.4

150 177.2 0.0 348.2

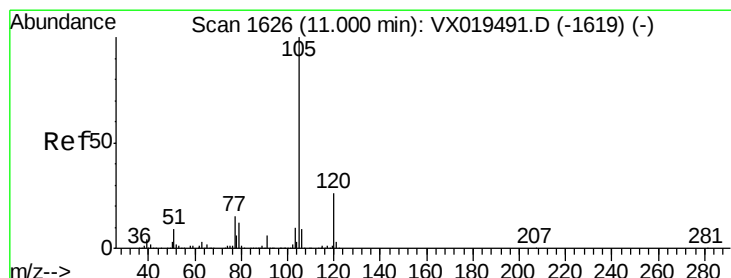
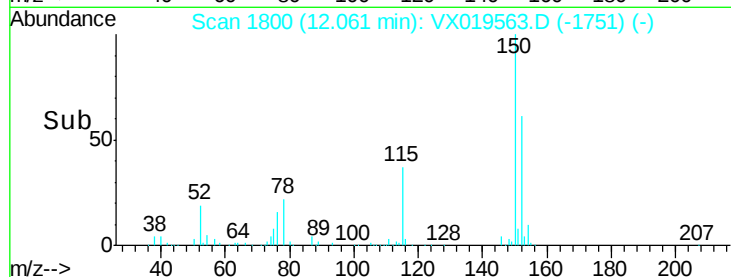
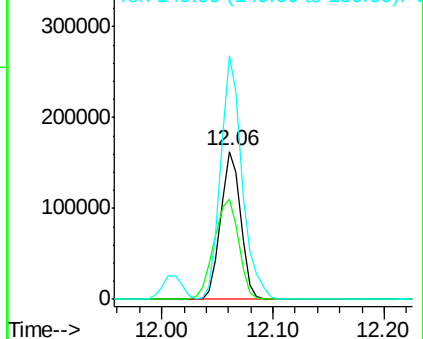
Manual Integrations
APPROVED

MMDadoda

11/24/2020 2:59:58 PM



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: 51.550 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019563.D

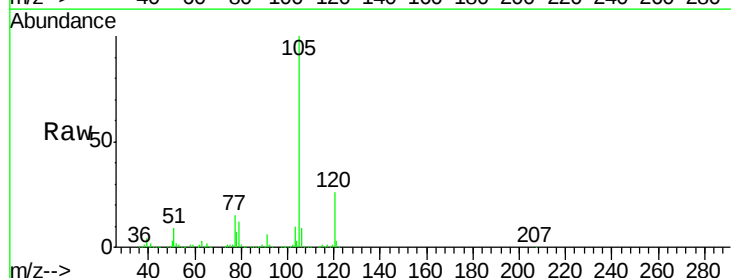
Acq: 23 Nov 2020 20:09

Tgt Ion:105 Resp: 719938

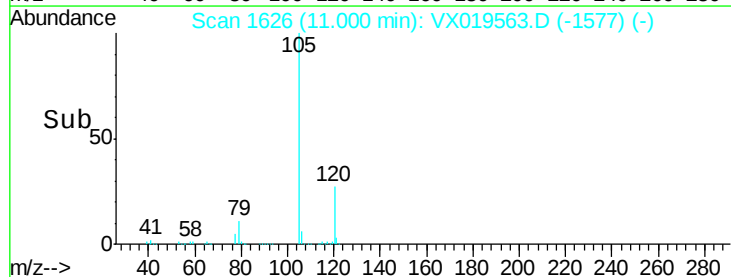
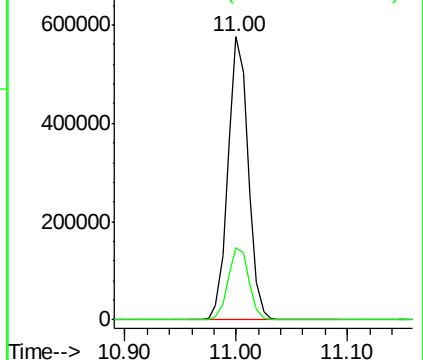
Ion Ratio Lower Upper

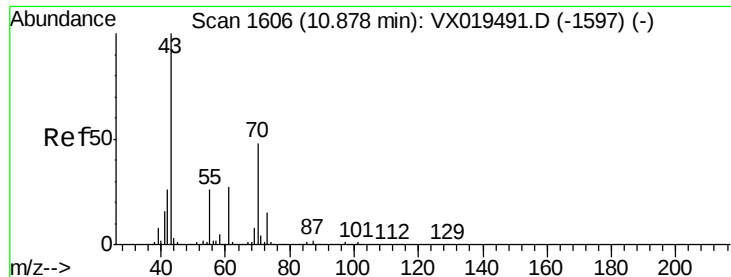
105 100

120 26.4 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 52.284 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

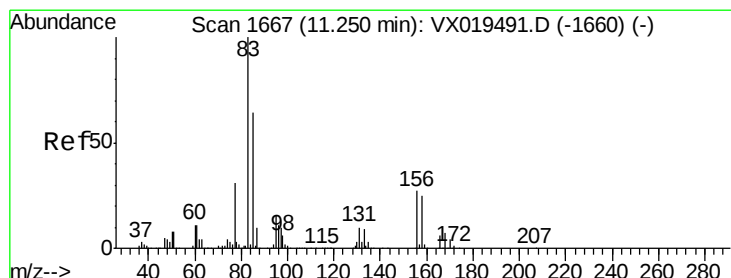
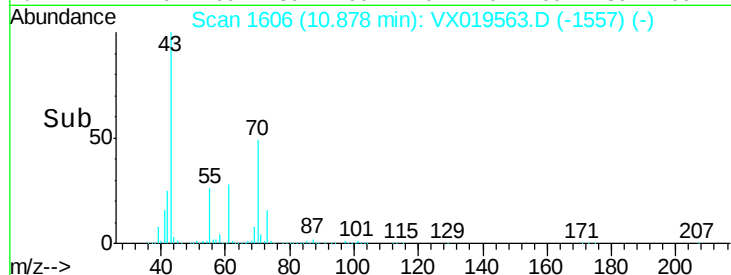
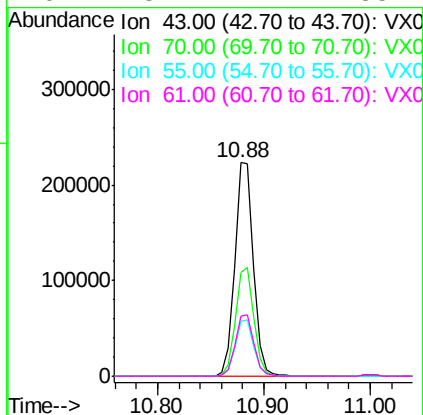
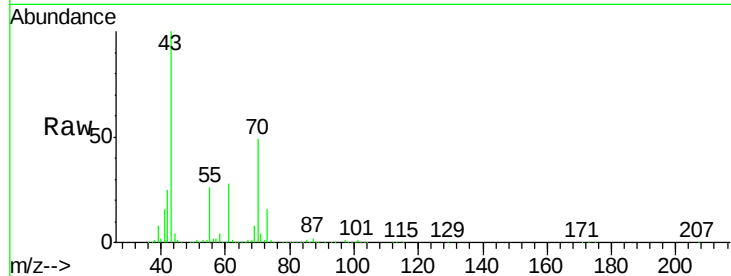
ClientSampleId :

56BR-20201118MSD

Tot Ion:	43	Resp:	273611
Ion	Ratio	Lower	Upper
43	100		
70	50.5	39.7	59.5
55	26.6	21.8	32.6
61	28.7	22.2	33.4

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:59:58 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 52.128 ug/l

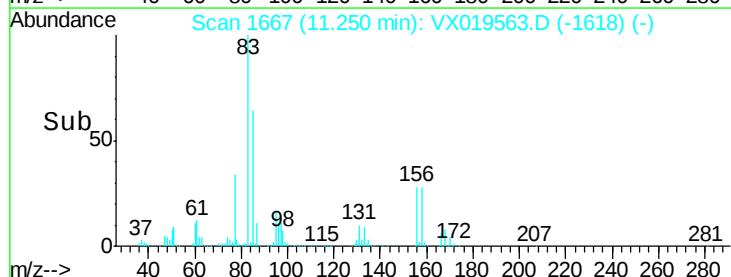
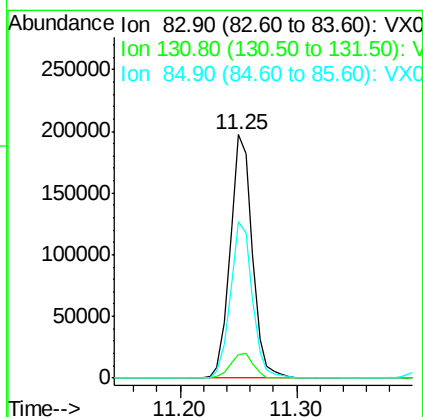
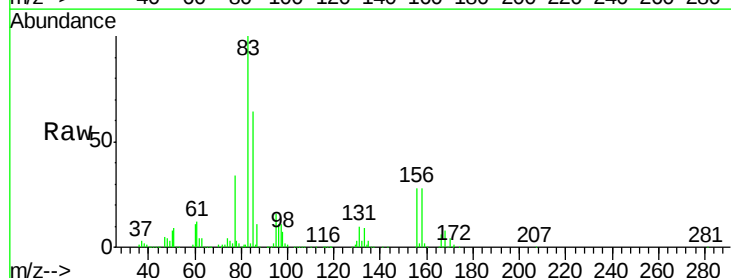
RT: 11.25 min Scan# 1667

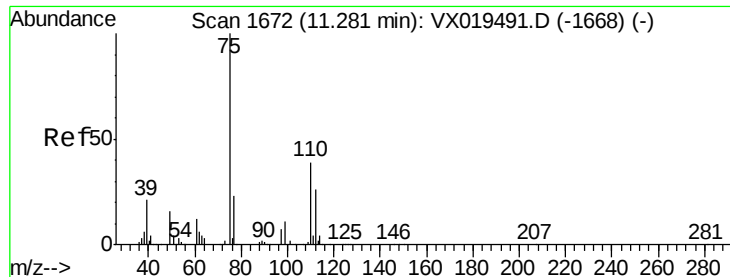
Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Tgt Ion:	83	Resp:	260343
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.0	15.0
85	64.2	32.4	97.2





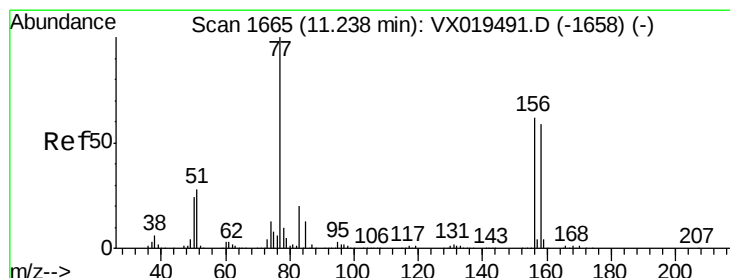
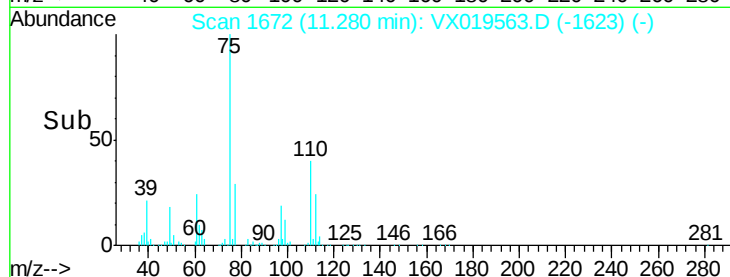
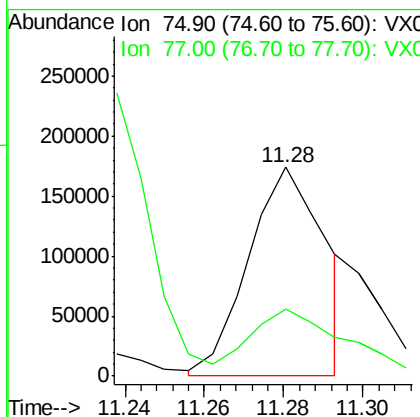
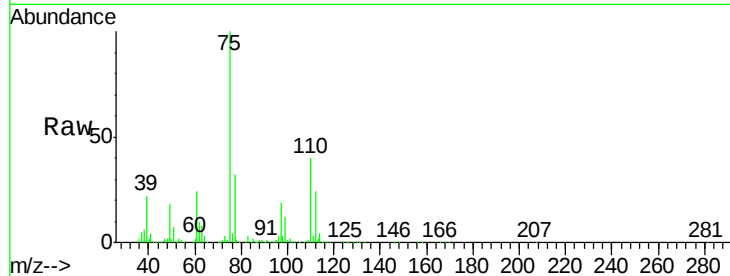
#76
 1,2,3-Trichloropropane
 Concen: 52.595 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VX019563.D
 Acq: 23 Nov 2020 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20201118MSD

Tot Ion: 75 Resp: 231722
 Ion Ratio Lower Upper
 75 100
 77 40.3 20.0 60.0

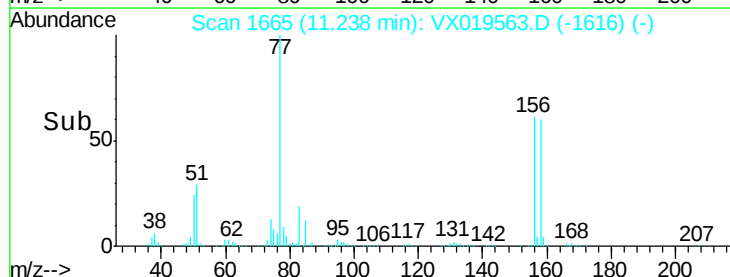
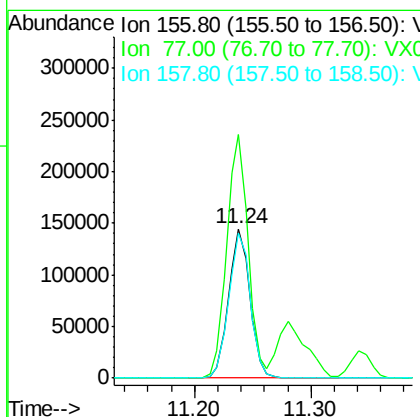
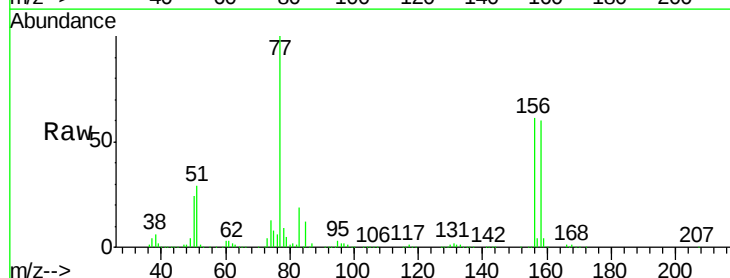
Manual Integrations
 APPROVED

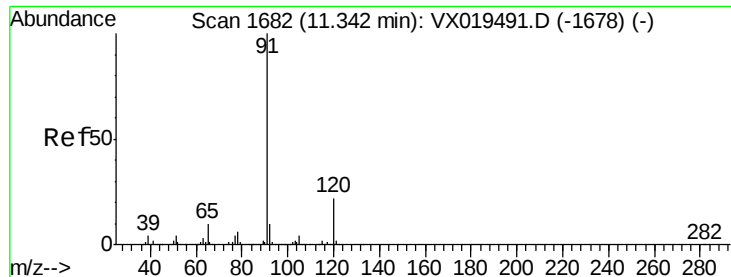
MMDadoda
 11/24/2020 2:59:58 PM



#77
 Bromobenzene
 Concen: 51.599 ug/l
 RT: 11.24 min Scan# 1665
 Delta R.T. -0.00 min
 Lab File: VX019563.D
 Acq: 23 Nov 2020 20:09

Tgt Ion: 156 Resp: 183962
 Ion Ratio Lower Upper
 156 100
 77 163.3 82.5 247.3
 158 98.2 48.9 146.7





#78

n-propylbenzene

Concen: 50.801 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

56BR-20201118MSD

Tot Ion: 91 Resp: 813895

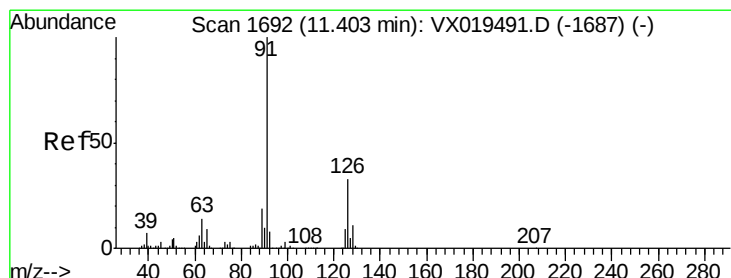
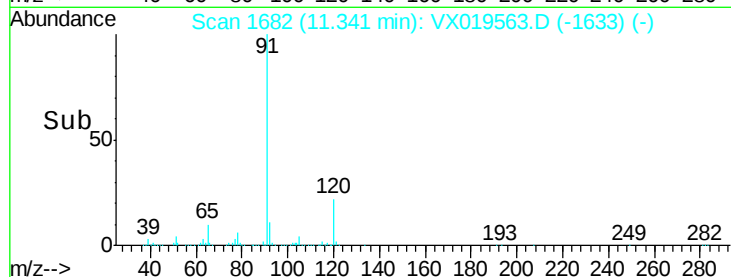
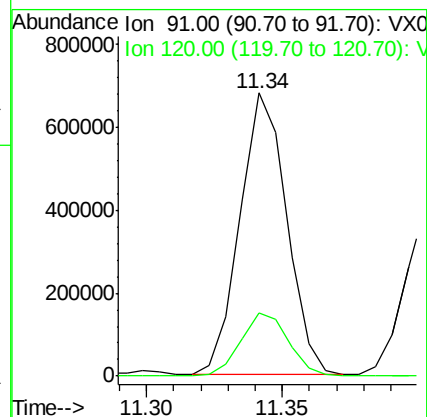
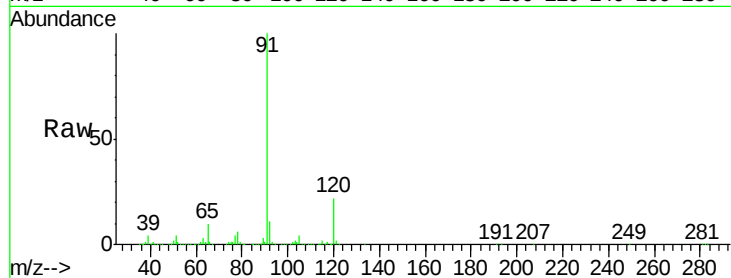
Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.4

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:59:58 PM



#79

2-Chlorotoluene

Concen: 51.440 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX019563.D

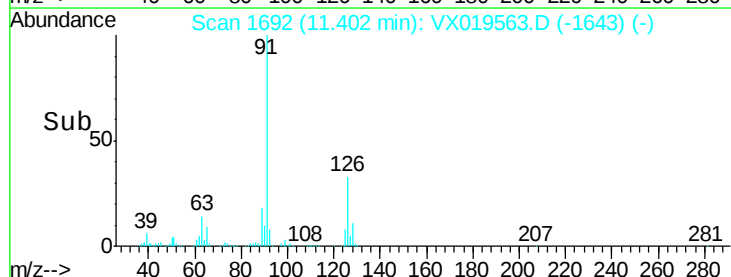
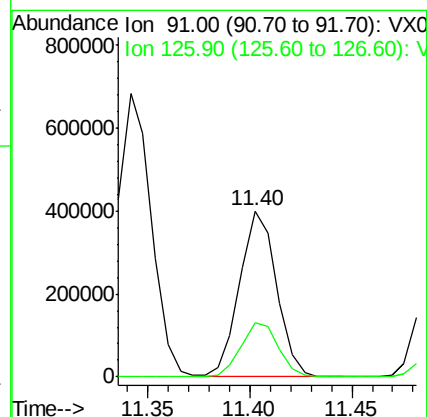
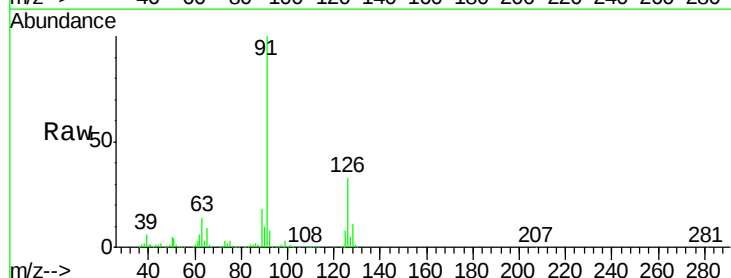
Acq: 23 Nov 2020 20:09

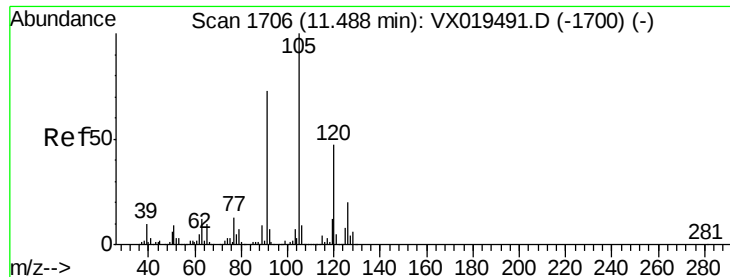
Tgt Ion: 91 Resp: 499808

Ion Ratio Lower Upper

91 100

126 33.7 16.7 50.0





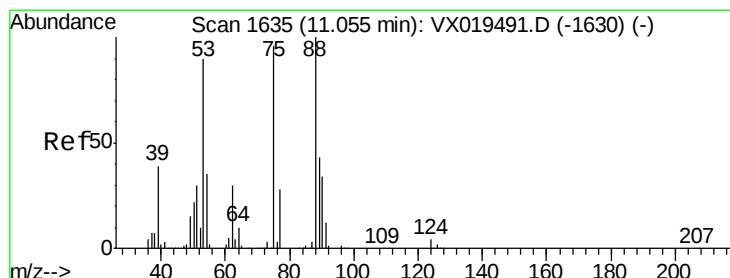
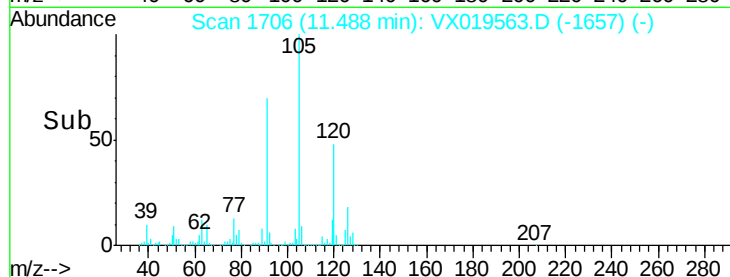
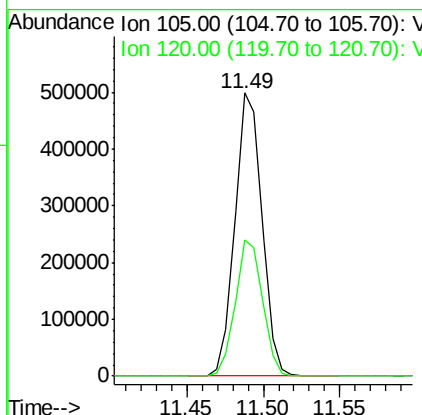
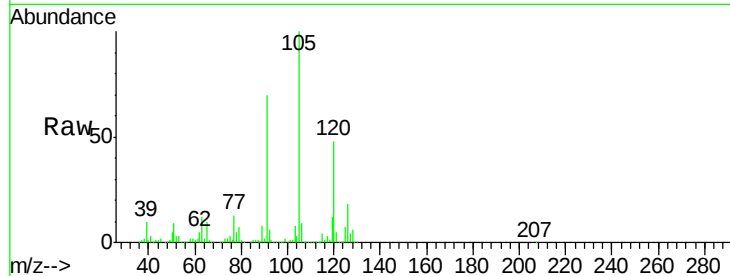
#80
 1,3,5-Trimethylbenzene
 Concen: 51.973 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX019563.D
 Acq: 23 Nov 2020 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.1	72.3

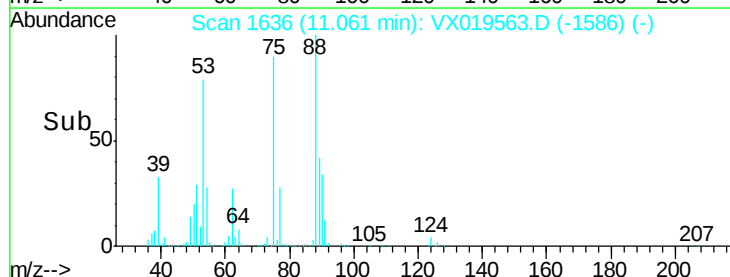
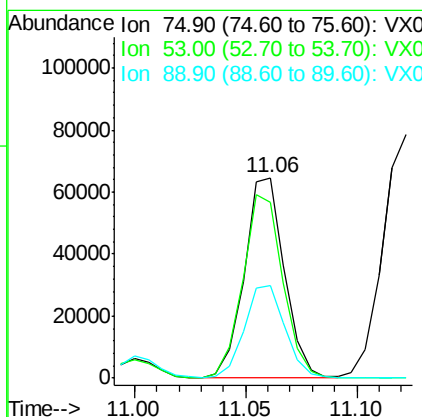
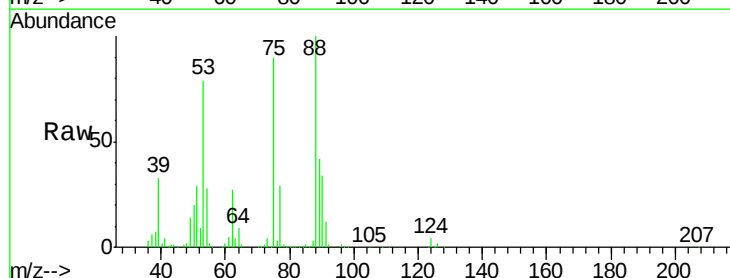
Manual Integrations
 APPROVED

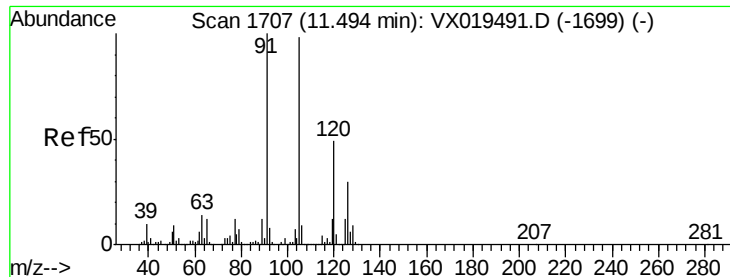
MMDadoda
 11/24/2020 2:59:58 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.359 ug/l
 RT: 11.06 min Scan# 1636
 Delta R.T. 0.01 min
 Lab File: VX019563.D
 Acq: 23 Nov 2020 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
53	92.6	73.9	110.9
89	47.5	37.3	55.9





#82

4-Chlorotoluene

Concen: 51.361 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

56BR-20201118MSD

Tot Ion: 91 Resp: 587475

Ion Ratio Lower Upper

91 100

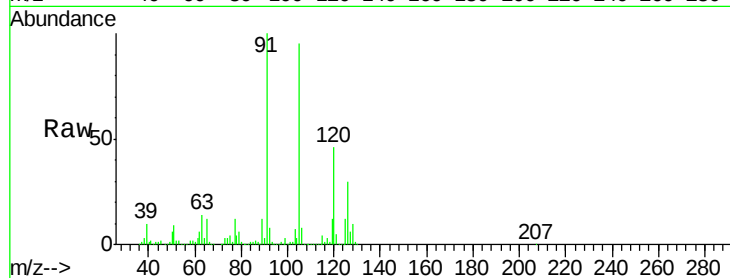
126 29.8 14.9 44.7

Manual Integrations

APPROVED

MMDadoda

11/24/2020 2:59:58 PM



Abundance Ion 91.00 (90.70 to 91.70): VX019491.D (-1699) (-)

Ion 125.90 (125.60 to 126.60): VX019491.D (-1699) (-)

11.49

500000

400000

300000

200000

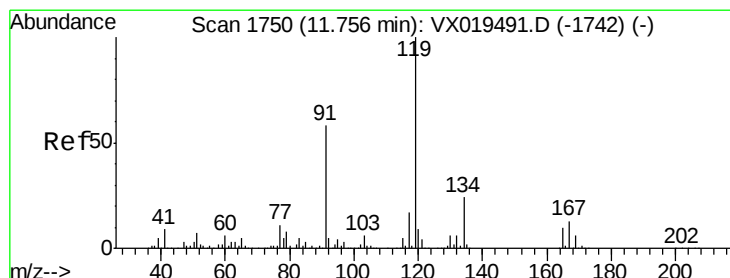
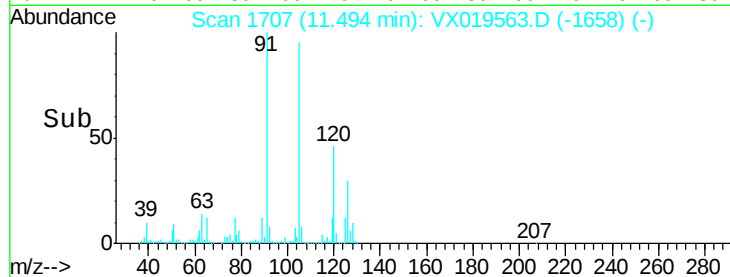
100000

0

11.50

11.60

Time-->



#83

tert-Butylbenzene

Concen: 53.052 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

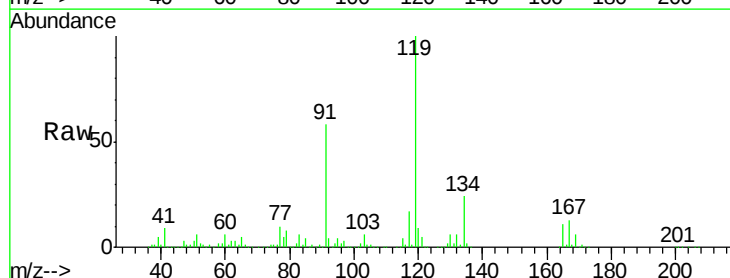
Tgt Ion: 119 Resp: 601308

Ion Ratio Lower Upper

119 100

91 56.7 28.9 86.8

134 23.2 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): VX019491.D (-1742) (-)

Ion 91.00 (90.70 to 91.70): VX019491.D (-1742) (-)

Ion 134.00 (133.70 to 134.70): VX019491.D (-1742) (-)

11.76

600000

500000

400000

300000

200000

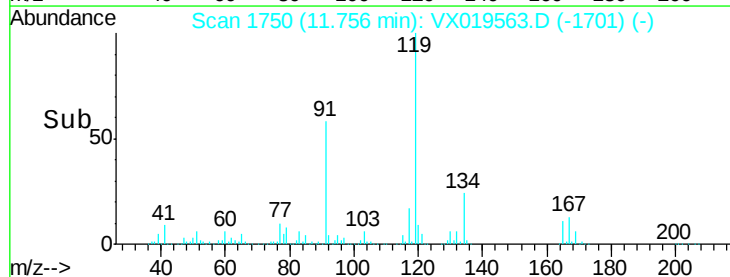
100000

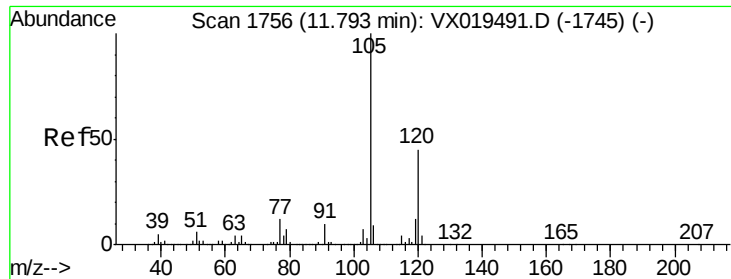
0

11.75

11.80

Time-->





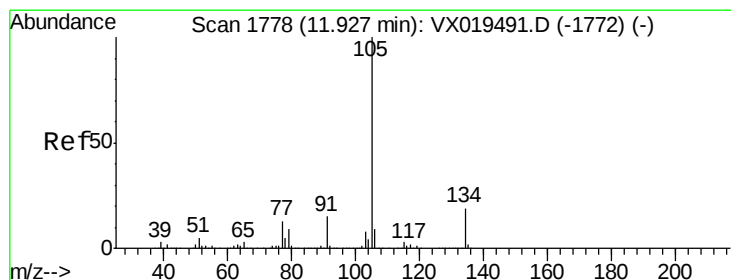
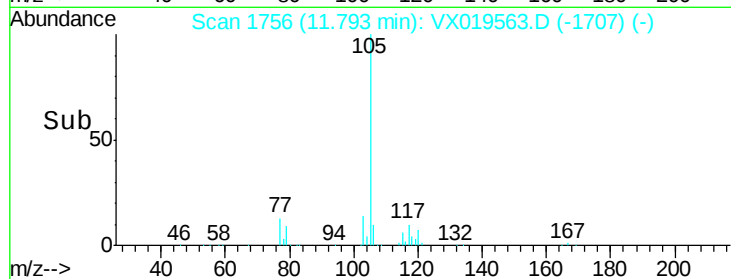
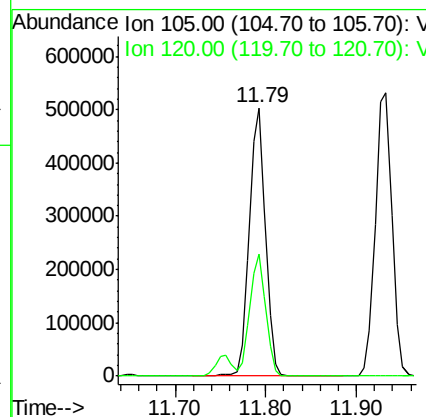
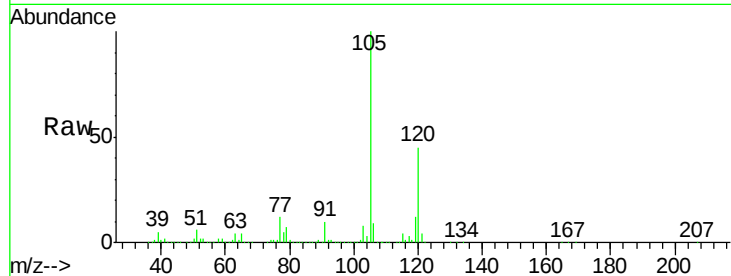
#84
 1,2,4-Trimethylbenzene
 Concen: 52.368 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019563.D
 Acq: 23 Nov 2020 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.2	66.6

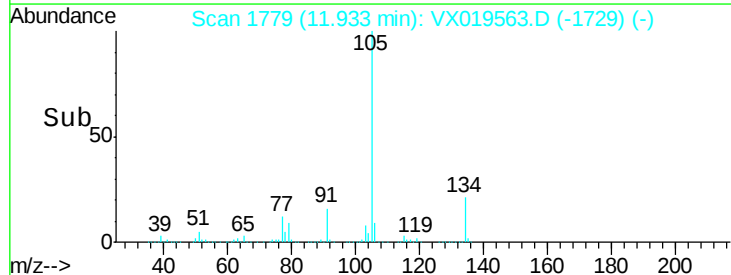
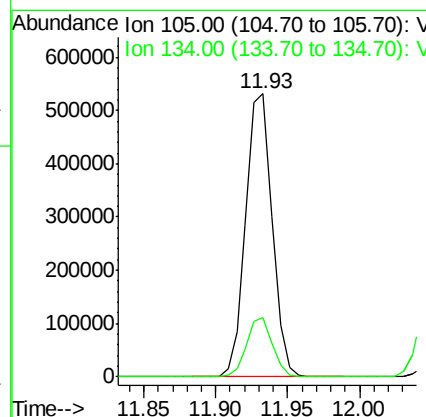
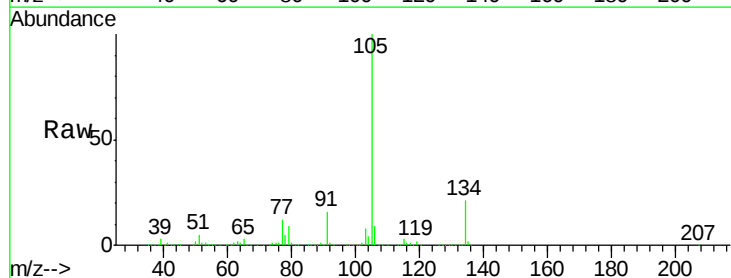
Manual Integrations
 APPROVED

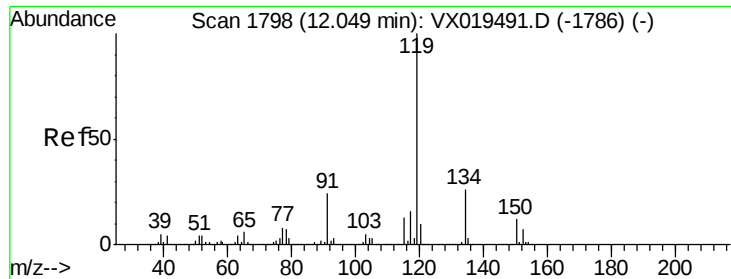
MMDadoda
 11/24/2020 2:59:58 PM



#85
 sec-Butylbenzene
 Concen: 50.262 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: VX019563.D
 Acq: 23 Nov 2020 20:09

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.1	30.3





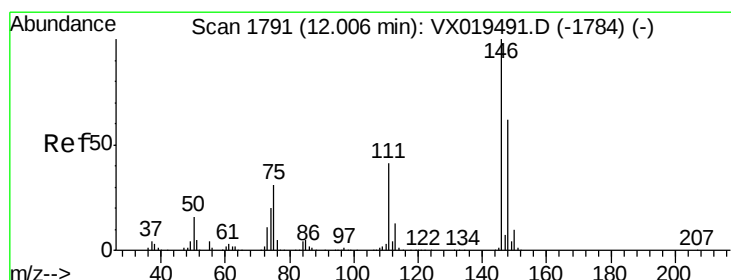
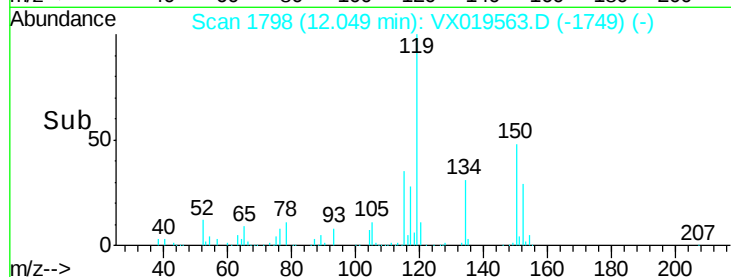
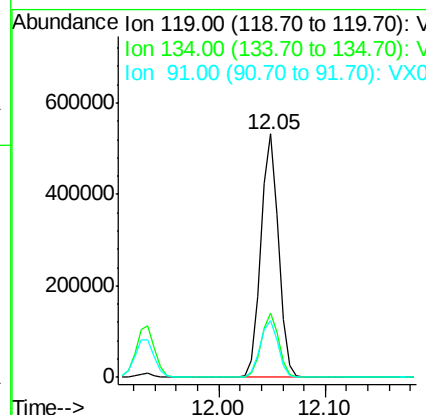
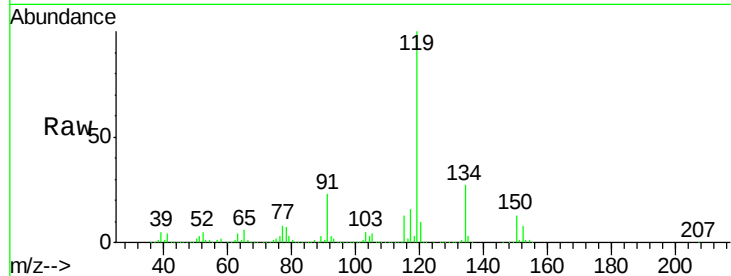
#86
 p-Isopropyltoluene
 Concen: 50.692 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX019563.D
 Acq: 23 Nov 2020 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20201118MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	620593		
134	26.3		13.1	39.3
91	23.7		11.8	35.4

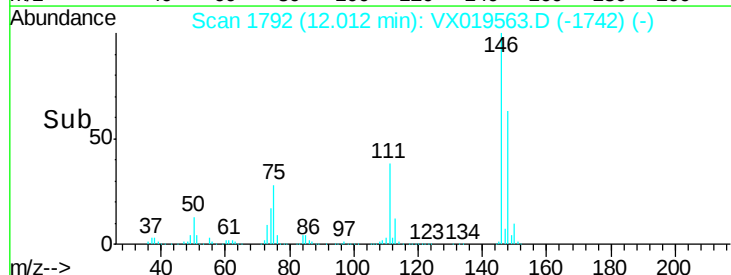
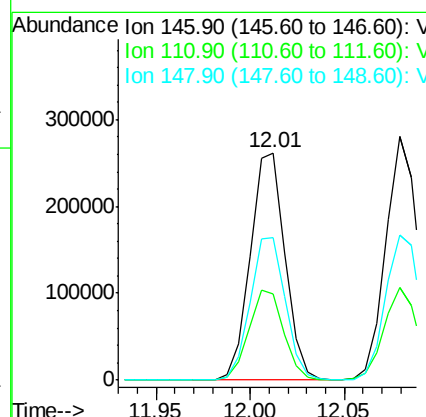
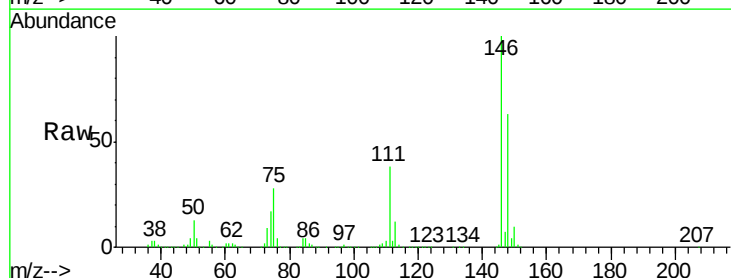
Manual Integrations
 APPROVED

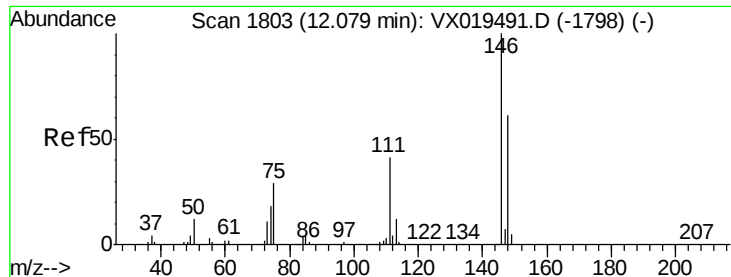
MMDadoda
 11/24/2020 2:59:58 PM



#87
 1,3-Dichlorobenzene
 Concen: 51.031 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX019563.D
 Acq: 23 Nov 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	334128		
111	39.9		20.2	60.6
148	63.6		31.4	94.2





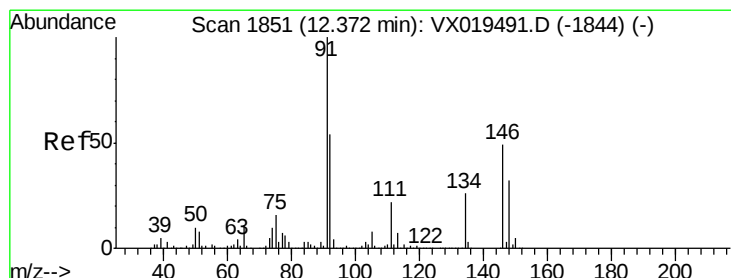
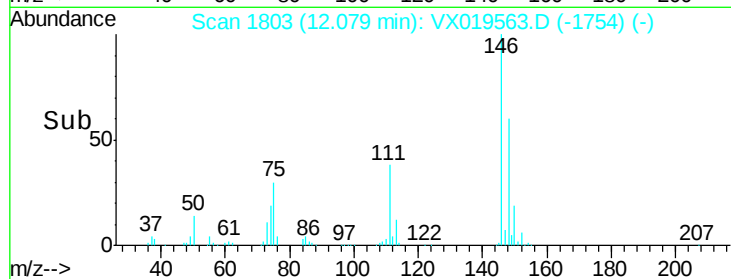
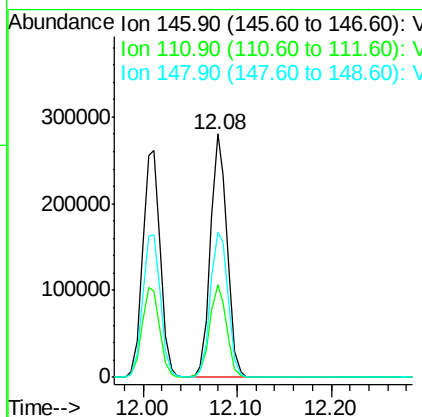
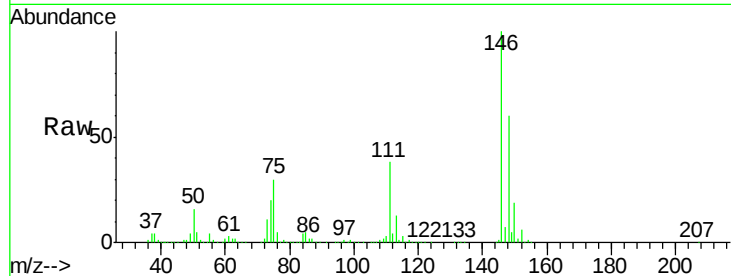
#88
1,4-Dichlorobenzene
Concen: 50.472 ug/l
RT: 12.08 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Instrument :
MSVOA_X
ClientSampleId :
56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.9	59.6
148	63.3	31.7	95.1

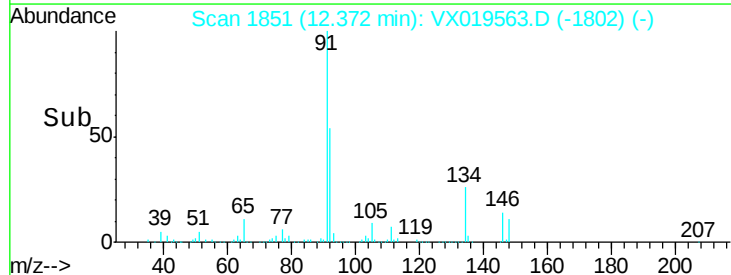
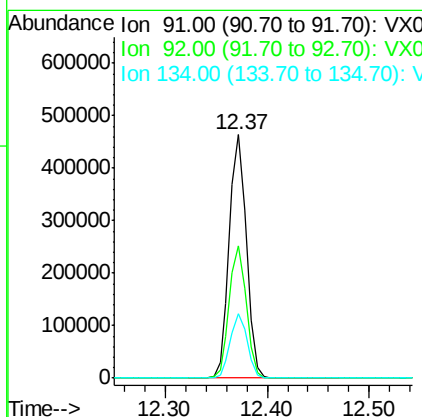
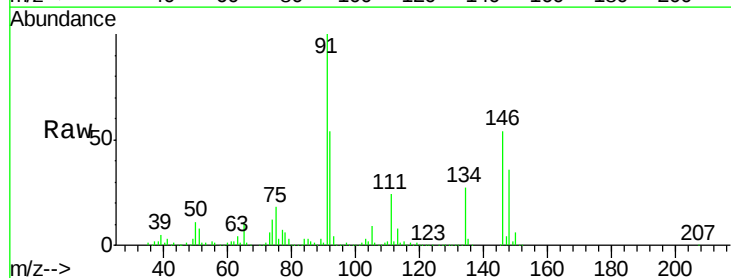
Manual Integrations
APPROVED

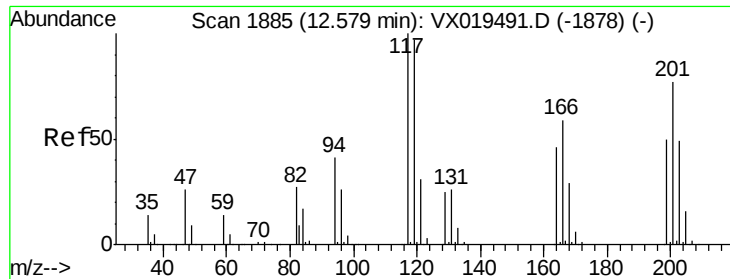
MMDadoda
11/24/2020 2:59:58 PM



#89
n-Butylbenzene
Concen: 48.481 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019563.D
Acq: 23 Nov 2020 20:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.9	80.6
134	26.4	12.9	38.6





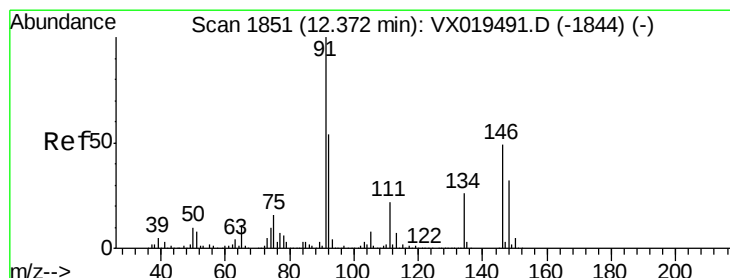
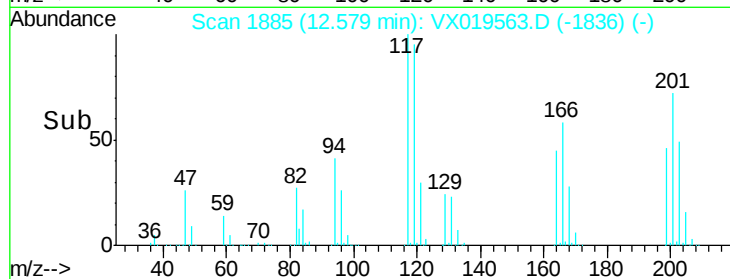
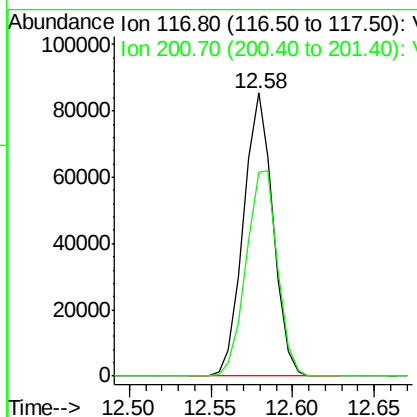
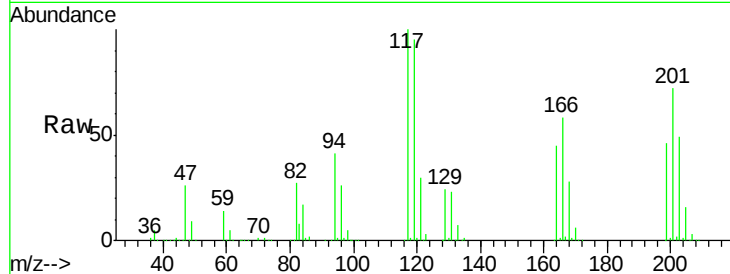
#90
 Hexachloroethane
 Concen: 52.513 ug/l
 RT: 12.58 min Scan# 1885
 Delta R.T. -0.00 min
 Lab File: VX019563.D
 Acq: 23 Nov 2020 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20201118MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	107575		
201	77.4	39.4	118.2	

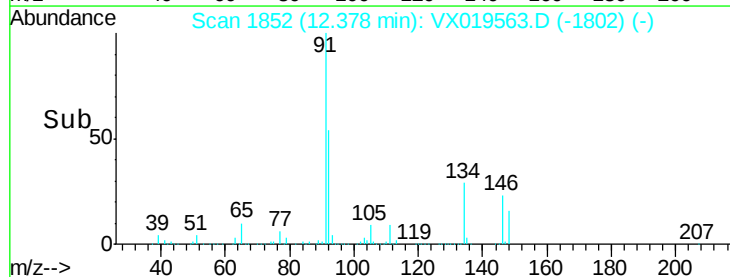
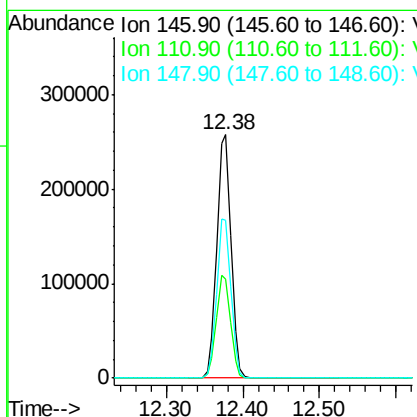
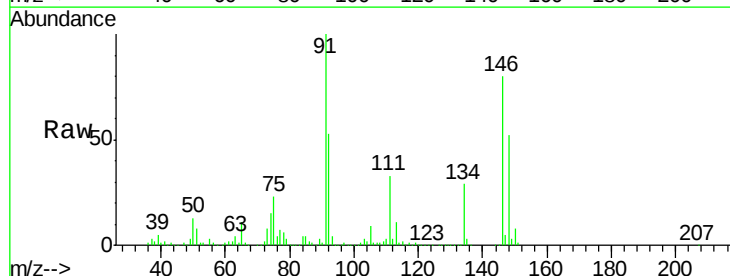
Manual Integrations
 APPROVED

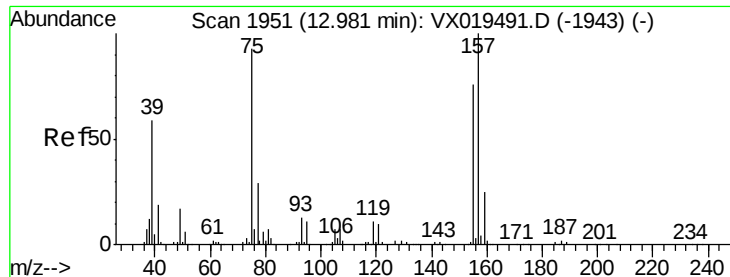
MMDadoda
 11/24/2020 2:59:58 PM



#91
 1,2-Dichlorobenzene
 Concen: 50.498 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX019563.D
 Acq: 23 Nov 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	332080		
111	42.3	21.1	63.3	
148	65.3	32.4	97.0	





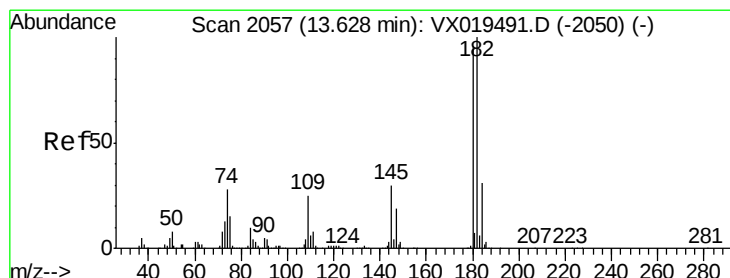
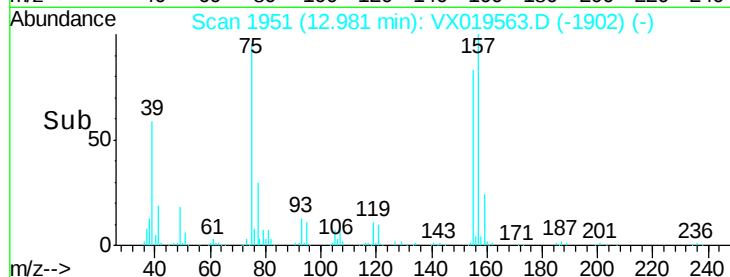
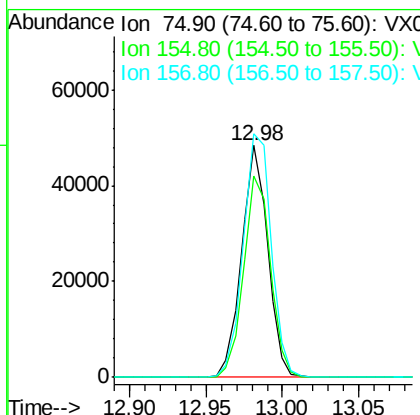
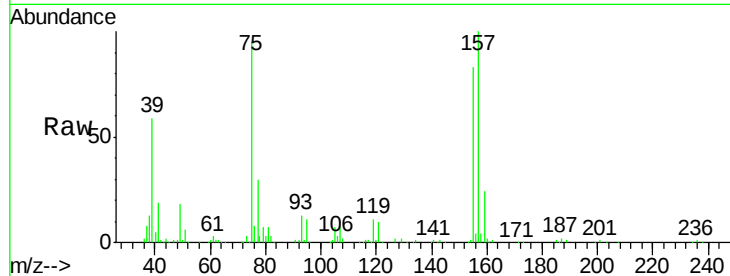
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.200 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019563.D
 Acq: 23 Nov 2020 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20201118MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	89.5	43.6	130.9
157	112.9	57.0	170.8

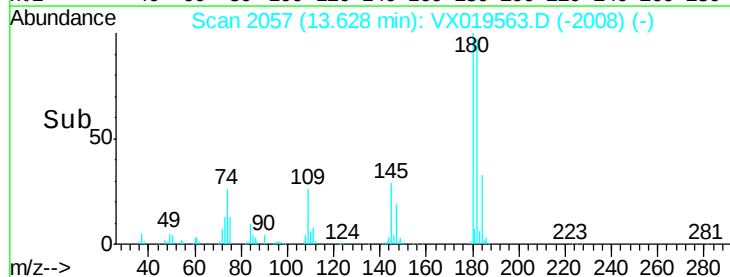
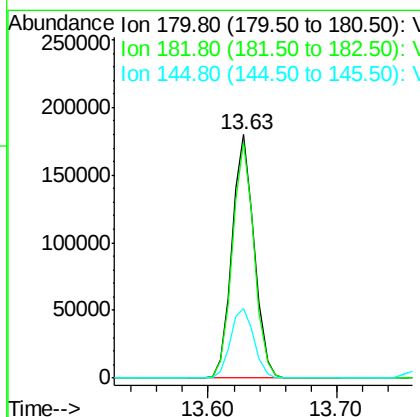
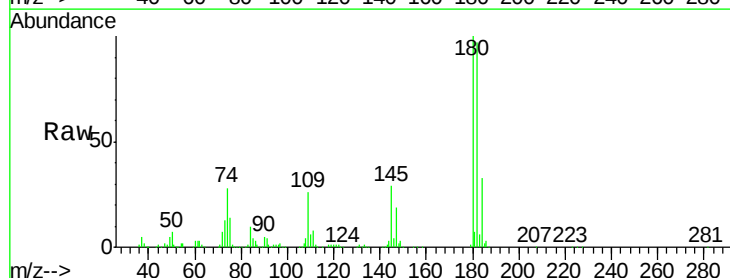
Manual Integrations
 APPROVED

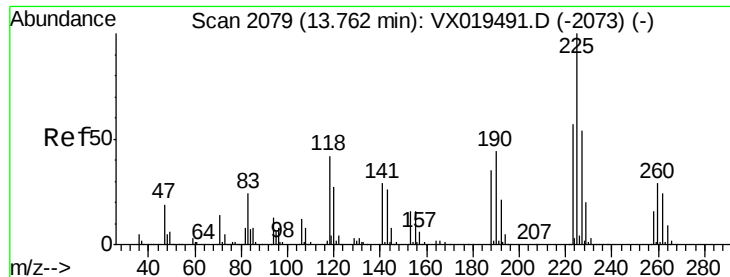
MMDadoda
 11/24/2020 2:59:58 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 51.314 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019563.D
 Acq: 23 Nov 2020 20:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.6	145.9
145	30.2	15.9	47.7





#94

Hexachlorobutadiene

Concen: 43.355 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Instrument :

MSVOA_X

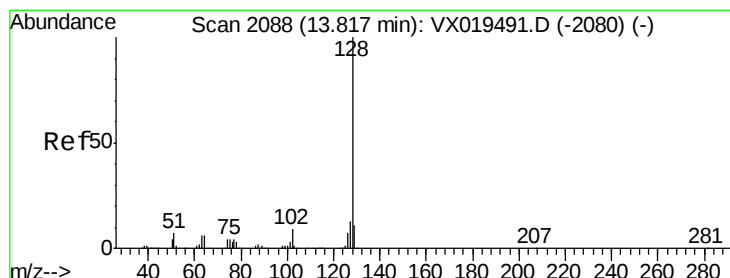
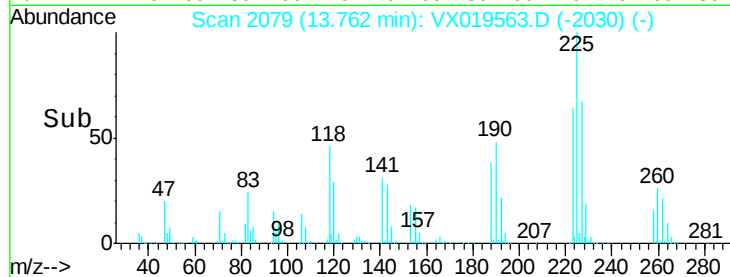
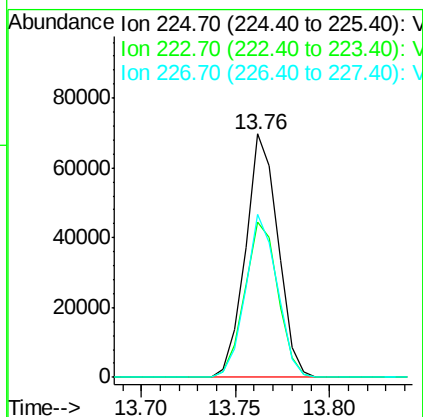
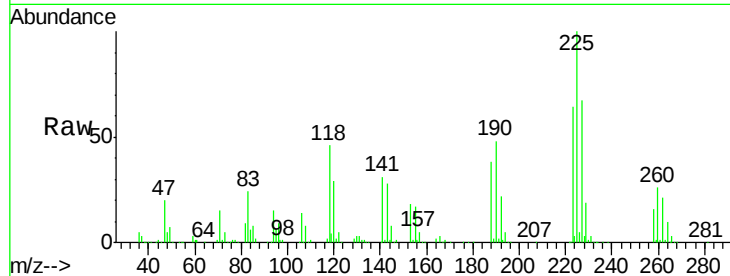
ClientSampleId :

56BR-20201118MSD

Tot Ion:	225	Resp:	83384
Ion Ratio	Lower	Upper	
225	100		
223	65.0	32.5	97.5
227	65.3	32.8	98.3

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:59:58 PM



#95

Naphthalene

Concen: 50.560 ug/l

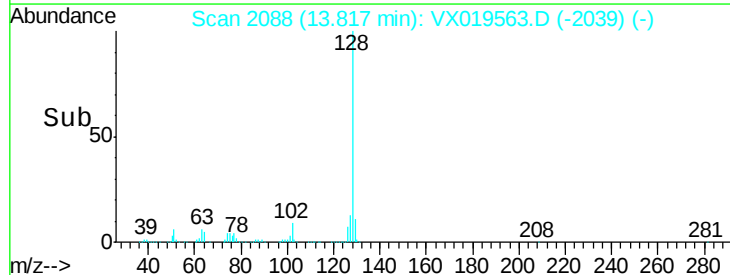
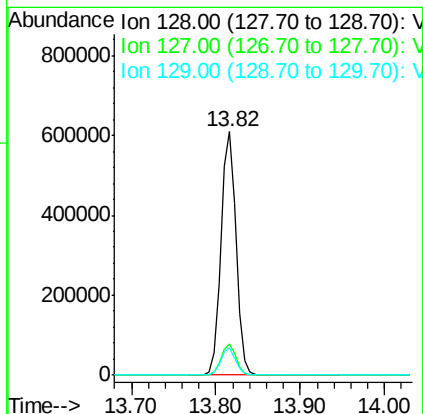
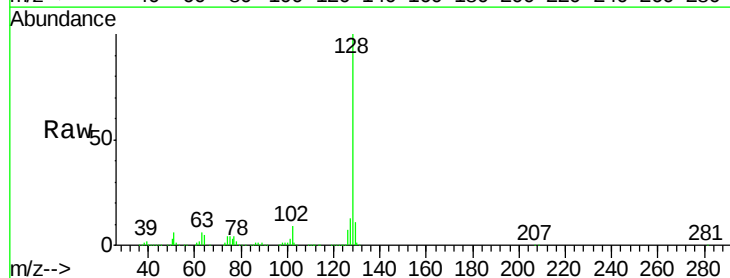
RT: 13.82 min Scan# 2088

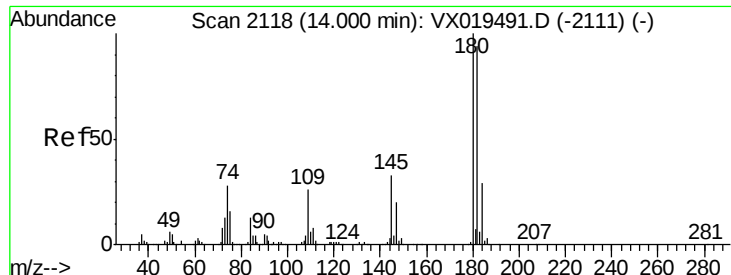
Delta R.T. 0.00 min

Lab File: VX019563.D

Acq: 23 Nov 2020 20:09

Tgt Ion:	128	Resp:	753266
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 50.996 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VX019563.D
 Acq: 23 Nov 2020 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20201118MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.8	48.1	144.3
145	32.4	16.6	49.8

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:59:58 PM

