

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000634.D
 Acq On : 08 Nov 2019 21:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:06:00 AM

Quant Time: Nov 11 07:25:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	247387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	436731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	399711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	195984	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	135859	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
35) Dibromofluoromethane	7.73	113	120796	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
50) Toluene-d8	10.18	98	489062	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.48	95	180874	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	120150	49.338	ug/l	97
3) Chloromethane	2.11	50	166463	49.621	ug/l	97
4) Vinyl Chloride	2.26	62	155801	50.012	ug/l	99
5) Bromomethane	2.65	94	99644	53.339	ug/l	98
6) Chloroethane	2.80	64	102068	52.350	ug/l	98
7) Trichlorofluoromethane	3.13	101	221940	52.753	ug/l	100
8) Diethyl Ether	3.54	74	83067	55.567	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	129122	50.766	ug/l	96
10) Methyl Iodide	4.10	142	172965	51.557	ug/l	100
11) Tert butyl alcohol	4.97	59	67598	271.246	ug/l	100
12) 1,1-Dichloroethene	3.88	96	128616	52.048	ug/l	94
13) Acrolein	3.74	56	53998	248.749	ug/l	96
14) Allyl chloride	4.49	41	227346	56.579	ug/l	99
15) Acrylonitrile	5.18	53	217020	283.396	ug/l	97
16) Acetone	3.96	43	160424	227.358	ug/l	98
17) Carbon Disulfide	4.21	76	396091	50.820	ug/l	98
18) Methyl Acetate	4.49	43	133175	60.701	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	388833	56.593	ug/l	96
20) Methylene Chloride	4.73	84	161968	53.571	ug/l	93
21) trans-1,2-Dichloroethene	5.24	96	148912	53.303	ug/l	98
22) Diisopropyl ether	6.13	45	514106	58.865	ug/l	95
23) Vinyl Acetate	6.08	43	1565053	283.875	ug/l	99
24) 1,1-Dichloroethane	6.03	63	263695	55.733	ug/l	100
25) 2-Butanone	7.00	43	300389	266.753	ug/l	97
26) 2,2-Dichloropropane	7.00	77	219839	50.843	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	172587	56.497	ug/l	99
28) Bromochloromethane	7.35	49	121499	55.790	ug/l	93
29) Tetrahydrofuran	7.36	42	198744	288.493	ug/l	99
30) Chloroform	7.52	83	269426	56.290	ug/l	99
31) Cyclohexane	7.80	56	248502	50.146	ug/l	95
32) 1,1,1-Trichloroethane	7.72	97	230350	54.000	ug/l	99
36) 1,1-Dichloropropene	7.93	75	207417	50.239	ug/l	100
37) Ethyl Acetate	7.09	43	128913	52.592	ug/l	98
38) Carbon Tetrachloride	7.91	117	195226	49.142	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000634.D
 Acq On : 08 Nov 2019 21:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:06:00 AM

Quant Time: Nov 11 07:25:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	258649	48.492	ug/l	98
40) Benzene	8.17	78	625550	51.680	ug/l	98
41) Methacrylonitrile	7.33	41	63808m	46.663	ug/l	
42) 1,2-Dichloroethane	8.25	62	183381	53.416	ug/l	99
43) Isopropyl Acetate	8.28	43	256692	55.747	ug/l	99
44) Trichloroethene	8.95	130	162270	50.846	ug/l	95
45) 1,2-Dichloropropane	9.22	63	159331	53.483	ug/l	92
46) Dibromomethane	9.31	93	87223	53.237	ug/l	98
47) Bromodichloromethane	9.50	83	215603	55.460	ug/l	99
48) Methyl methacrylate	9.30	41	114954	57.138	ug/l	95
49) 1,4-Dioxane	9.31	88	23731	1076.230	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	689764	281.751	ug/l	99
52) Toluene	10.25	92	395497	51.681	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	226126	54.438	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	256314	53.863	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	126309	53.301	ug/l	97
56) Ethyl methacrylate	10.52	69	193131	57.502	ug/l	99
57) 1,3-Dichloropropane	10.80	76	224091	54.030	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	399291	262.964	ug/l	98
59) 2-Hexanone	10.83	43	486909	272.977	ug/l	99
60) Dibromochloromethane	10.99	129	144740	53.324	ug/l	100
61) 1,2-Dibromoethane	11.09	107	122978	53.974	ug/l	99
64) Tetrachloroethene	10.72	164	167032	50.537	ug/l	98
65) Chlorobenzene	11.52	112	422550	52.141	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	149750	53.280	ug/l	98
67) Ethyl Benzene	11.59	91	784487	52.597	ug/l	99
68) m/p-Xylenes	11.70	106	593729	102.851	ug/l	97
69) o-Xylene	12.03	106	280786	51.754	ug/l	99
70) Styrene	12.05	104	493910	53.165	ug/l	100
71) Bromoform	12.21	173	88091	54.492	ug/l #	99
73) Isopropylbenzene	12.33	105	749720	51.759	ug/l	100
74) N-amyl acetate	12.14	43	237719	57.304	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	156828	54.682	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	119696m	53.638	ug/l	
77) Bromobenzene	12.61	156	167215	50.907	ug/l	95
78) n-propylbenzene	12.67	91	914490	52.325	ug/l	99
79) 2-Chlorotoluene	12.75	91	513415	52.916	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	636999	52.803	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	54345	54.603	ug/l	96
82) 4-Chlorotoluene	12.85	91	547553	54.443	ug/l	97
83) tert-Butylbenzene	13.08	119	528274	51.287	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	641059	53.372	ug/l	97
85) sec-Butylbenzene	13.25	105	764942	52.125	ug/l	99
86) p-Isopropyltoluene	13.37	119	681154	52.079	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	328550	51.067	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	332106	51.657	ug/l	100
89) n-Butylbenzene	13.69	91	665700	51.605	ug/l	100
90) Hexachloroethane	13.96	117	127137	52.581	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	303283	51.955	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26717	52.637	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
Data File : VY000634.D
Acq On : 08 Nov 2019 21:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:00 AM

Quant Time: Nov 11 07:25:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	202998	51.073	ug/l	98
94) Hexachlorobutadiene	15.11	225	97278	47.479	ug/l	99
95) Naphthalene	15.23	128	469056	53.160	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	180666	50.665	ug/l	99

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

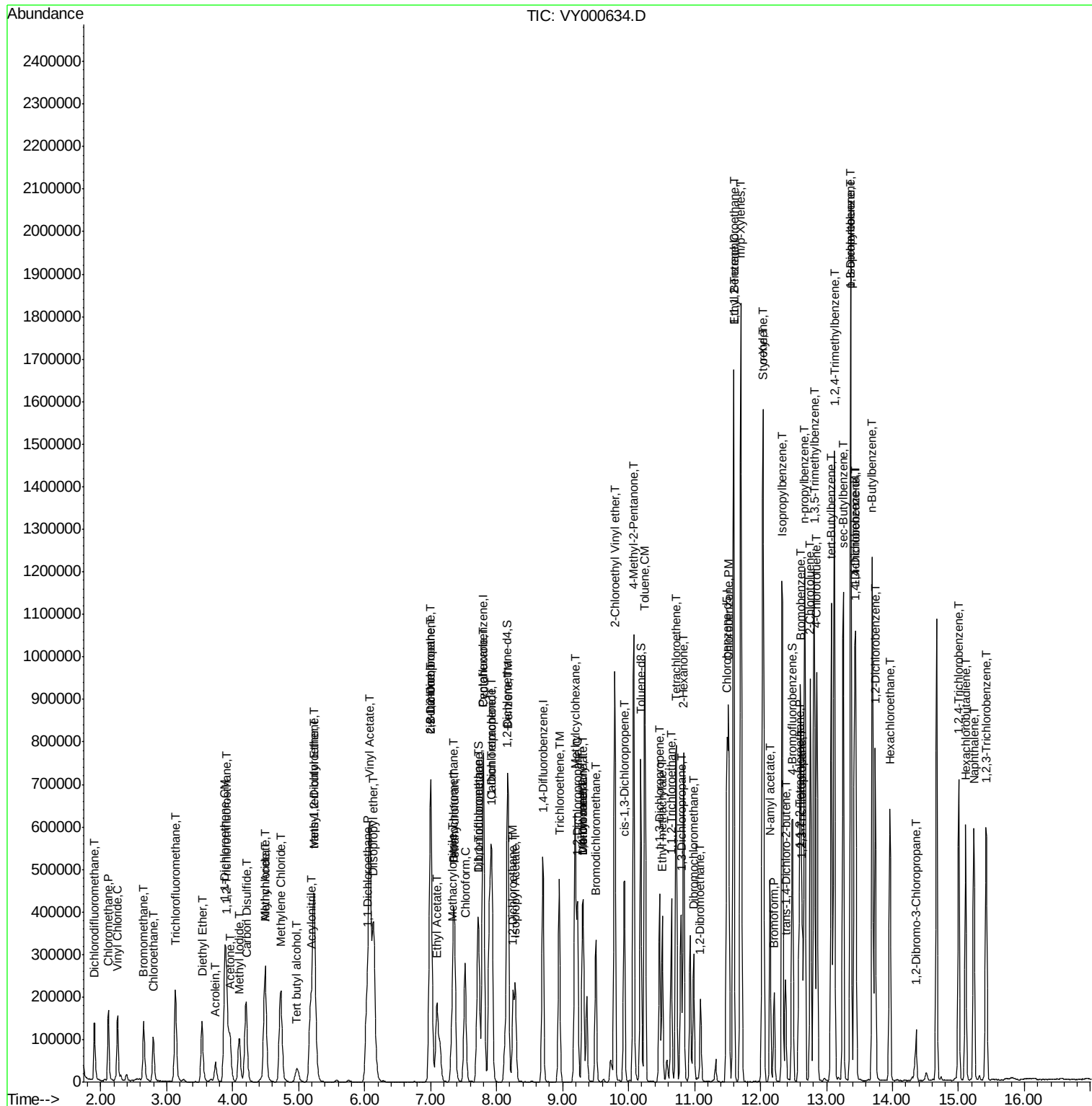
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000634.D
 Acq On : 08 Nov 2019 21:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 31 Sample Multiplier: 1

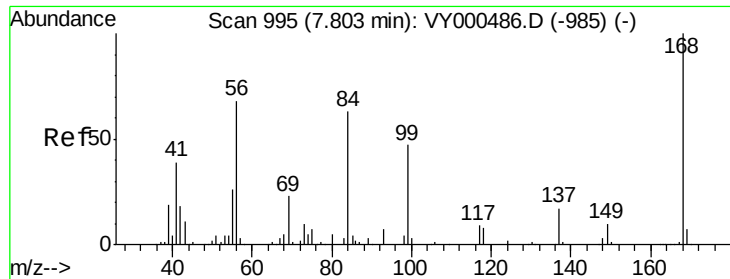
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:06:00 AM

Quant Time: Nov 11 07:25:59 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 247387

Ion Ratio Lower Upper

168 100

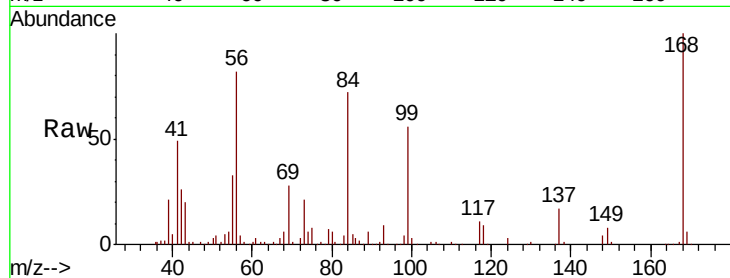
99 56.4 45.7 68.5

Manual Integrations

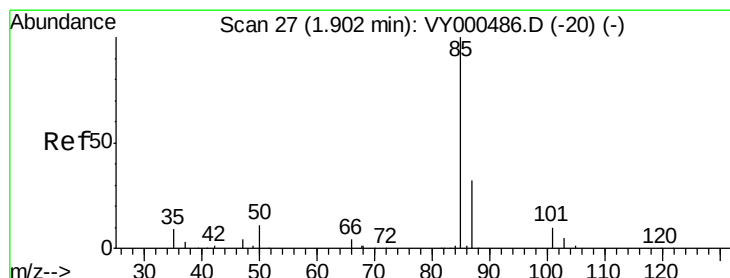
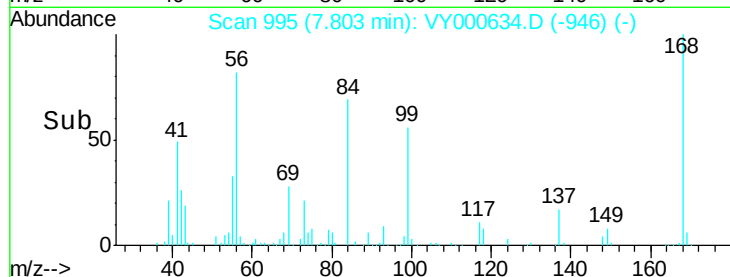
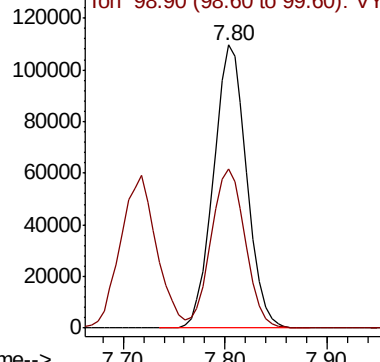
APPROVED

MMDadoda

11/13/2019 11:06:00 AM



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)



#2

Dichlorodifluoromethane

Concen: 49.338 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000634.D

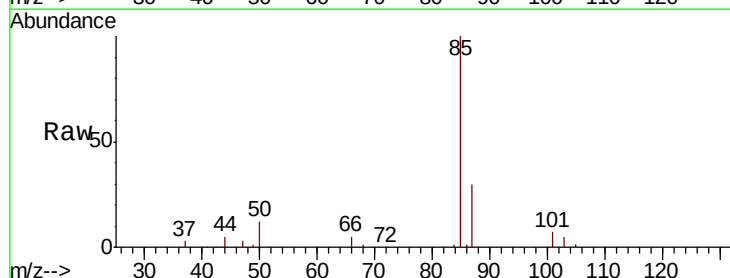
Acq: 08 Nov 2019 21:29

Tgt Ion: 85 Resp: 120150

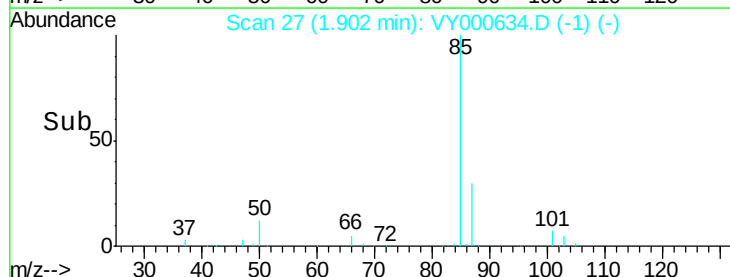
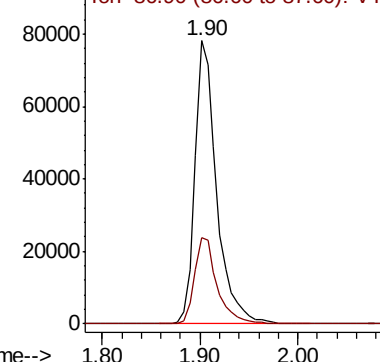
Ion Ratio Lower Upper

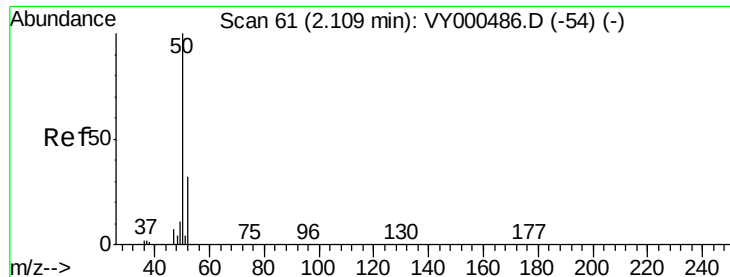
85 100

87 30.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY000486.D (-20) (-)





#3

Chloromethane

Concen: 49.621 ug/l

RT: 2.11 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 166463

Ion Ratio Lower Upper

50 100

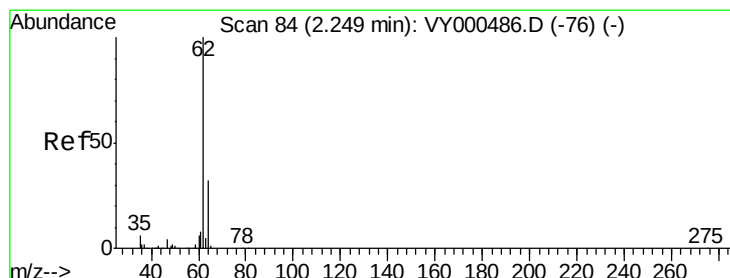
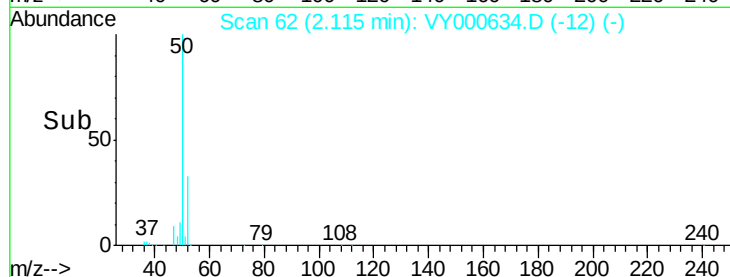
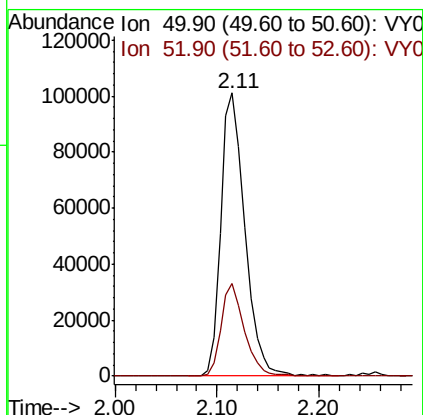
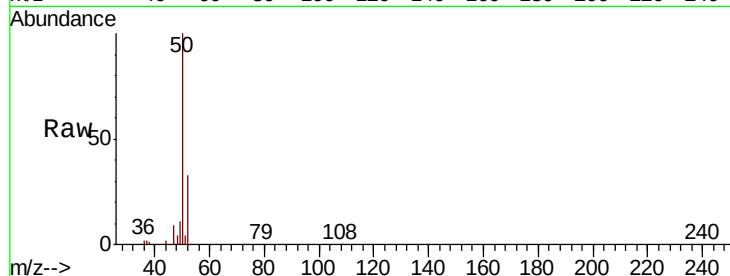
52 32.9 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

11/13/2019 11:06:00 AM



#4

Vinyl Chloride

Concen: 50.012 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000634.D

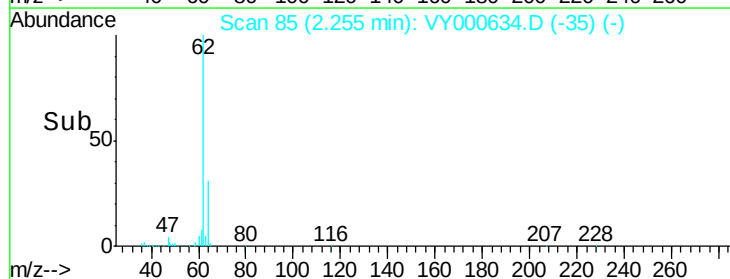
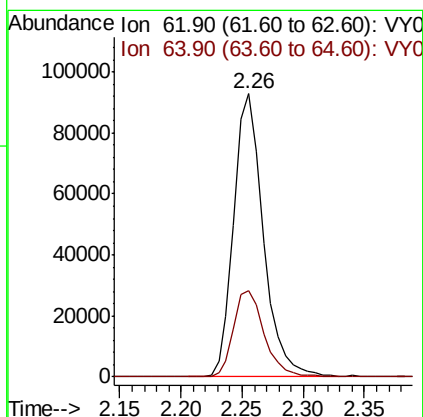
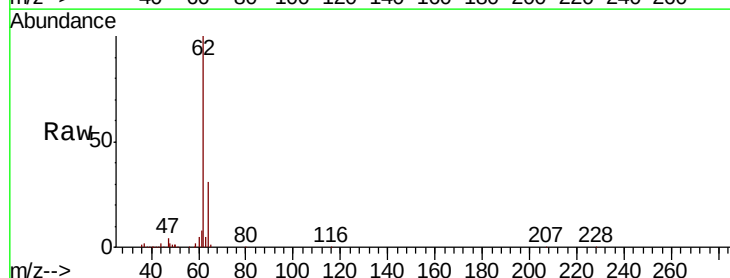
Acq: 08 Nov 2019 21:29

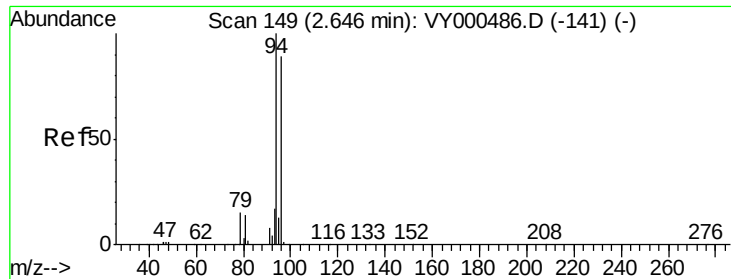
Tgt Ion: 62 Resp: 155801

Ion Ratio Lower Upper

62 100

64 30.7 25.2 37.8





#5

Bromomethane

Concen: 53.339 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 99644

Ion Ratio Lower Upper

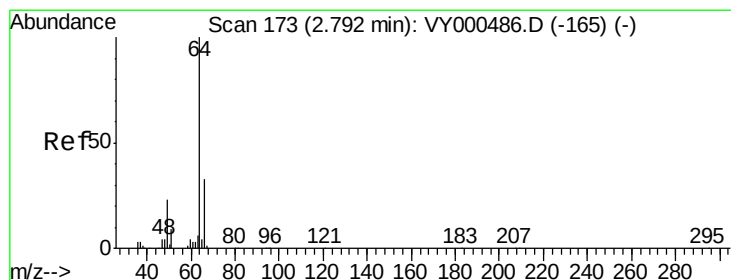
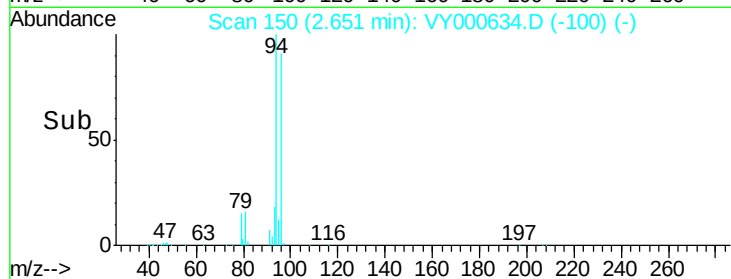
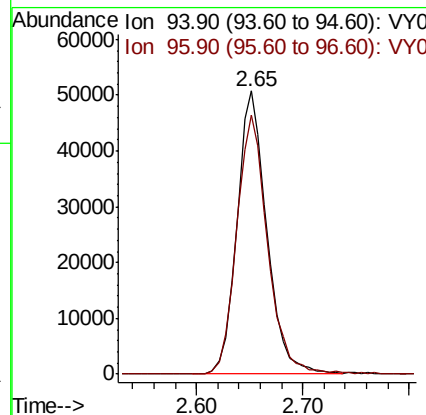
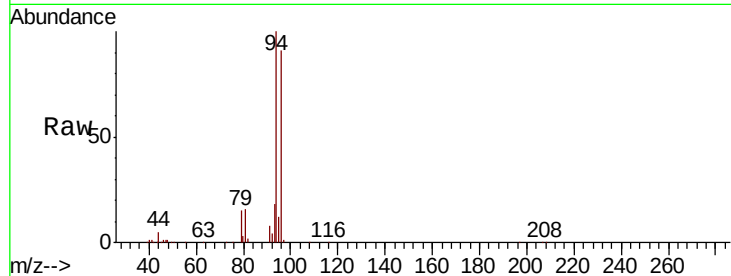
94 100

96 91.1 71.2 106.8

Manual Integrations
APPROVED

MMDadoda

11/13/2019 11:06:00 AM



#6

Chloroethane

Concen: 52.350 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY000634.D

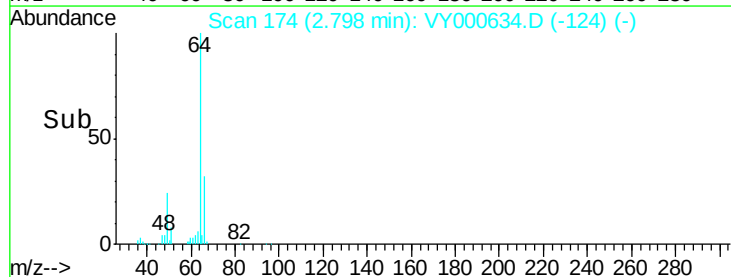
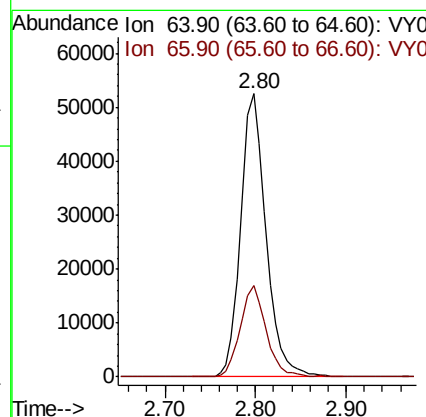
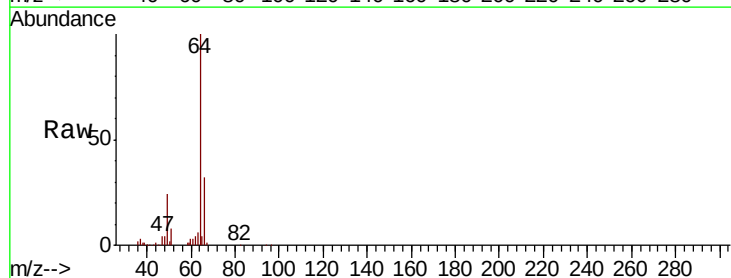
Acq: 08 Nov 2019 21:29

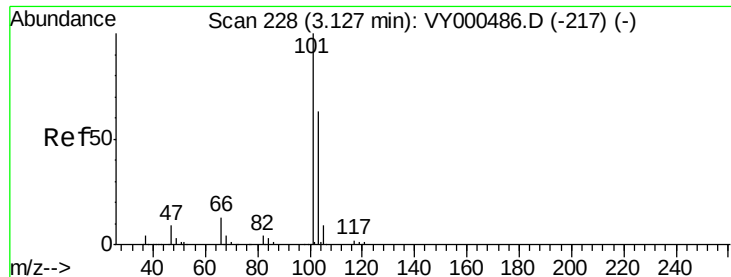
Tgt Ion: 64 Resp: 102068

Ion Ratio Lower Upper

64 100

66 32.2 26.6 40.0





#7

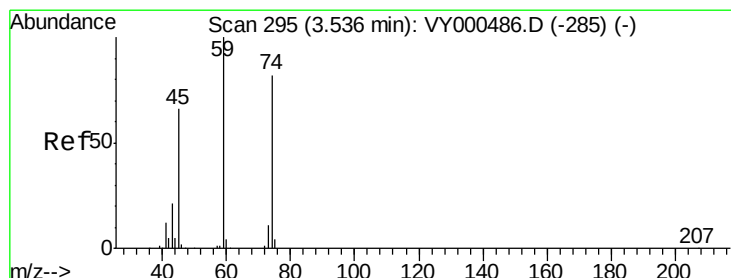
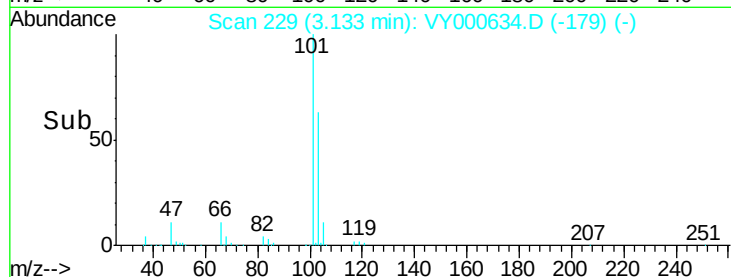
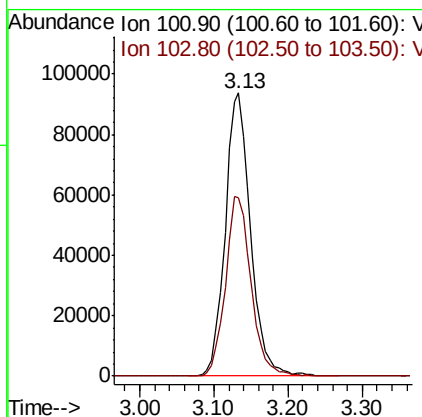
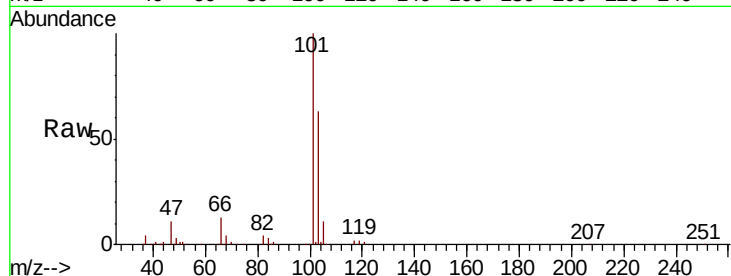
Trichlorofluoromethane
Concen: 52.753 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	50.5	75.7

Manual Integrations
APPROVED

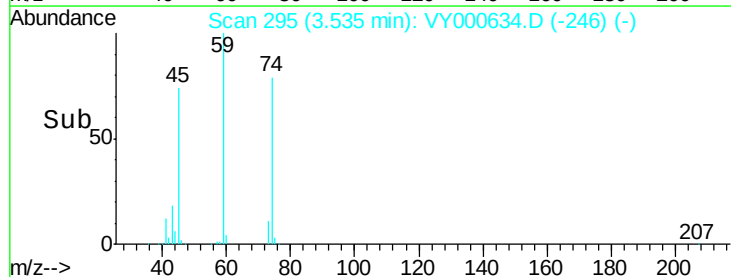
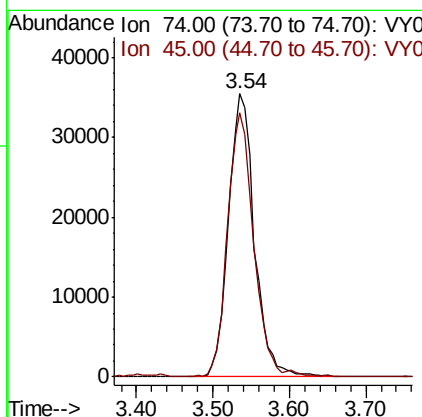
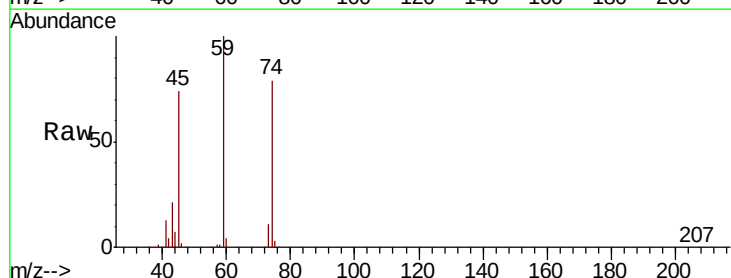
MMDadoda
11/13/2019 11:06:00 AM

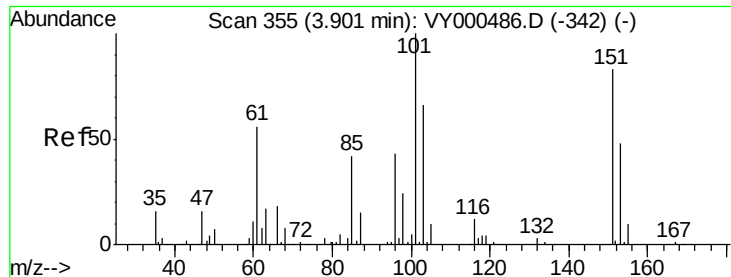


#8

Diethyl Ether
Concen: 55.567 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	45.5	136.4





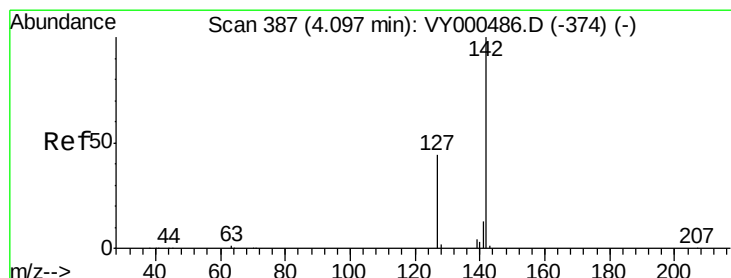
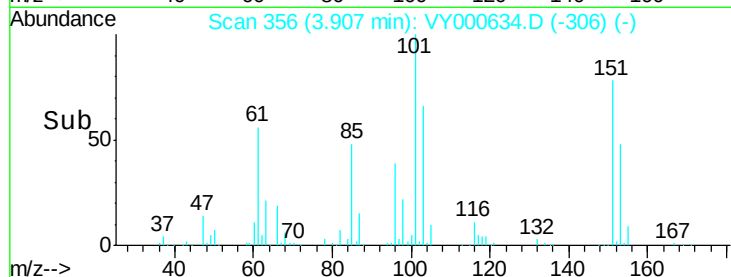
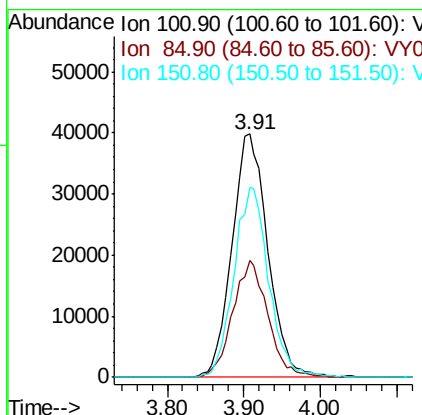
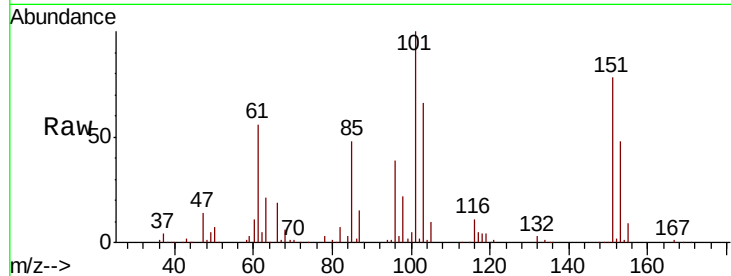
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.766 ug/l
 RT: 3.91 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	129122		
85	47.1	36.7	55.1	
151	76.2	64.3	96.5	

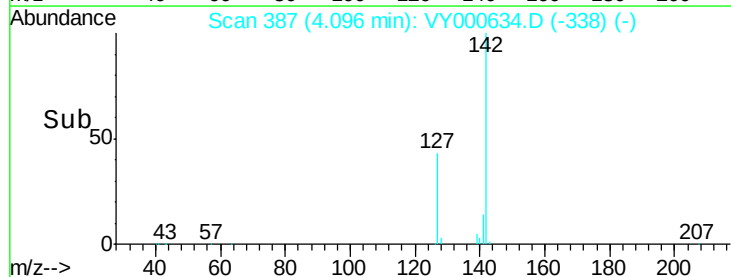
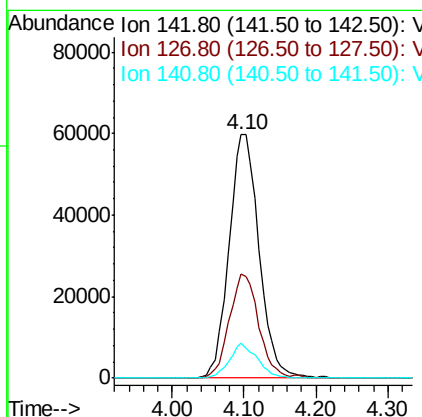
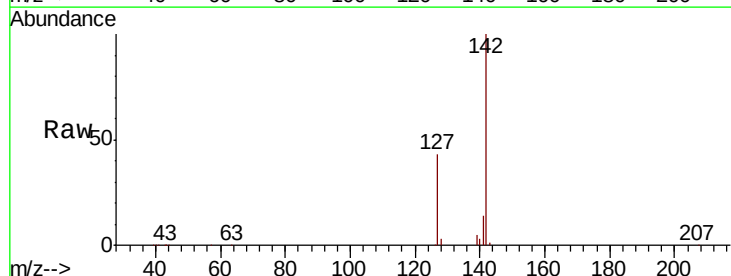
Manual Integrations
 APPROVED

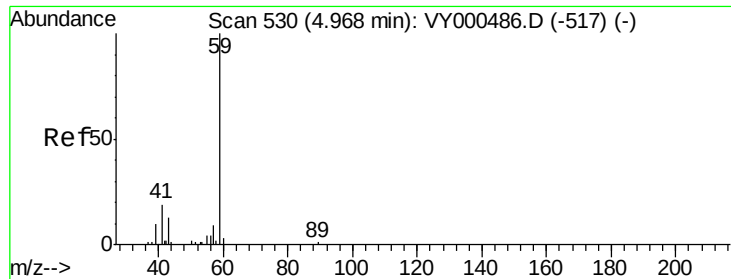
MMDadoda
 11/13/2019 11:06:00 AM



#10
 Methyl Iodide
 Concen: 51.557 ug/l
 RT: 4.10 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	172965		
127	41.9	33.7	50.5	
141	13.4	10.9	16.3	





#11

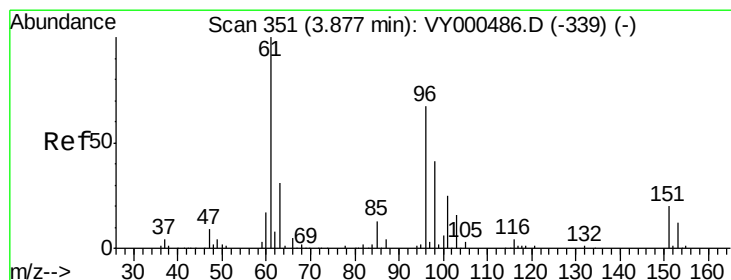
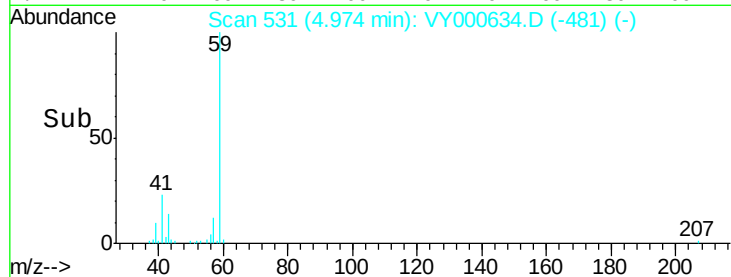
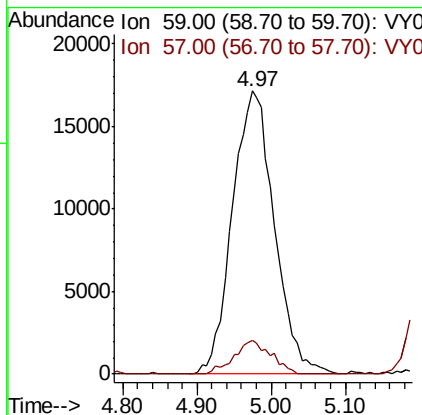
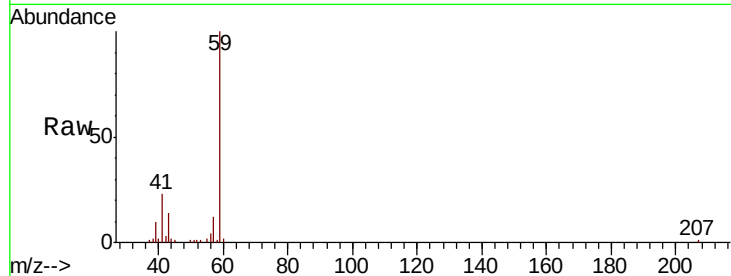
Tert butyl alcohol
 Concen: 271.246 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	12.8

Manual Integrations
 APPROVED

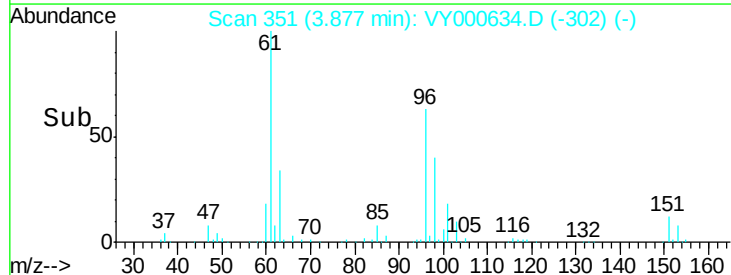
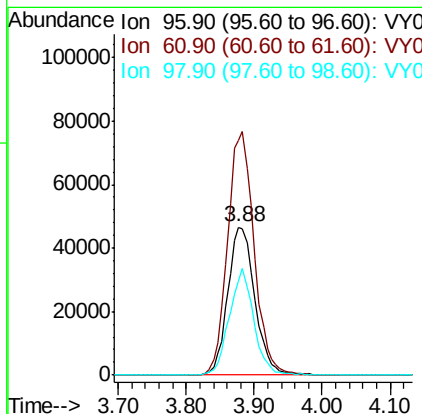
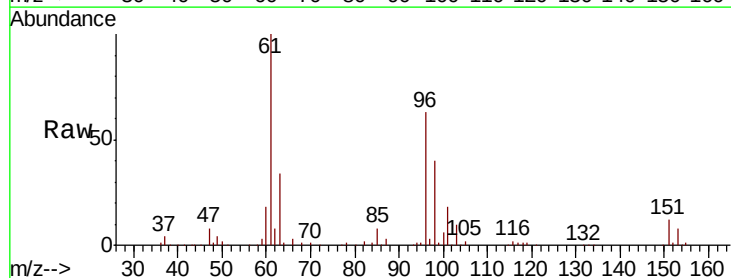
MMDadoda
 11/13/2019 11:06:00 AM

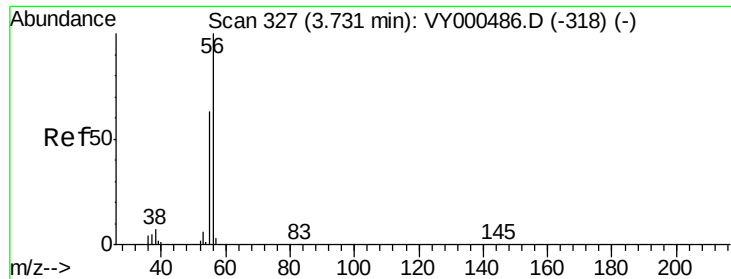


#12

1,1-Dichloroethene
 Concen: 52.048 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.4	119.2	178.8
98	63.5	48.6	73.0





#13

Acrolein

Concen: 248.749 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 53998

Ion Ratio Lower Upper

56 100

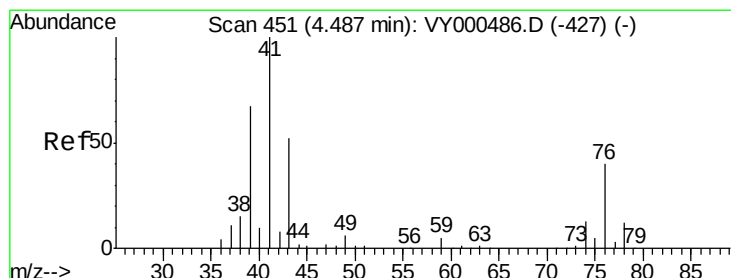
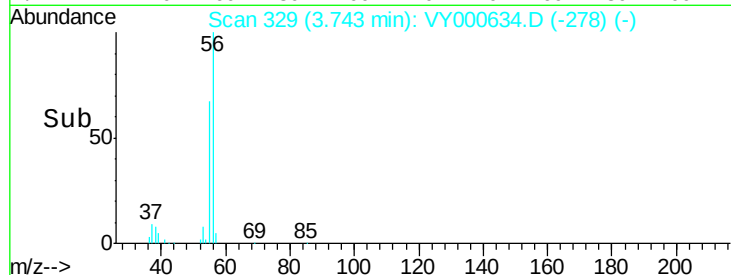
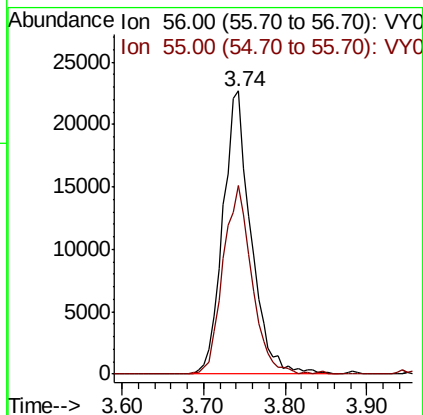
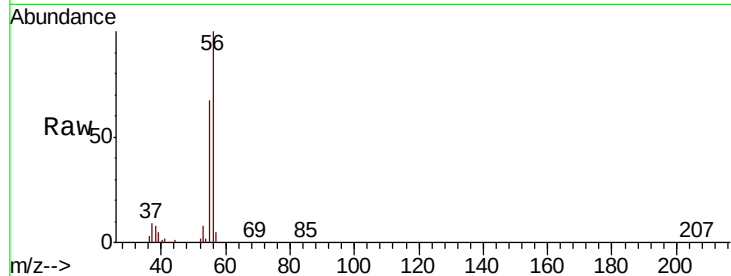
55 68.1 57.0 85.6

Manual Integrations

APPROVED

MMDadoda

11/13/2019 11:06:00 AM



#14

Allyl chloride

Concen: 56.579 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

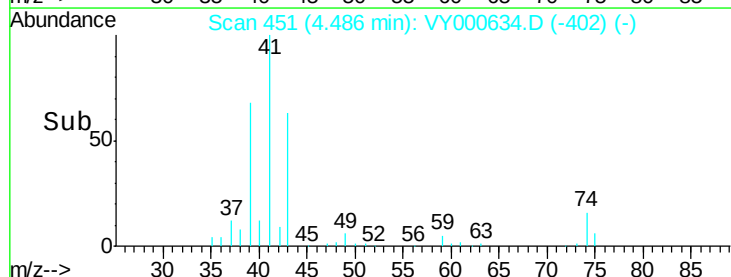
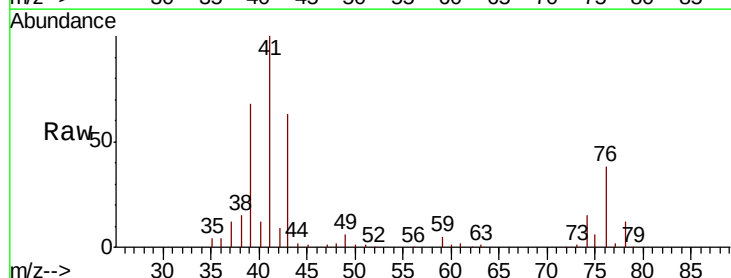
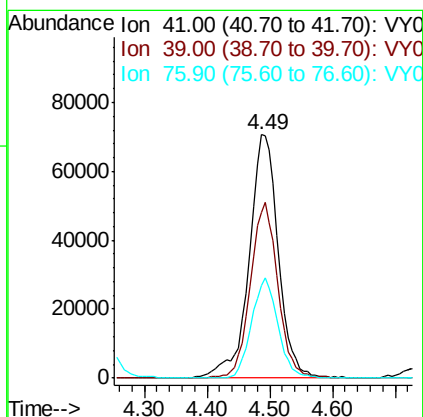
Tgt Ion: 41 Resp: 227346

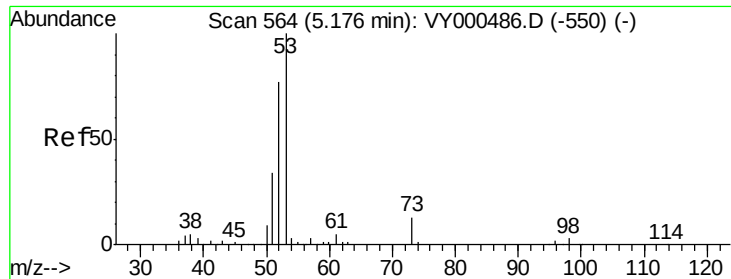
Ion Ratio Lower Upper

41 100

39 67.9 53.6 80.4

76 37.0 29.8 44.6





#15

Acrylonitrile

Concen: 283.396 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Instrument :

MSVOA_Y

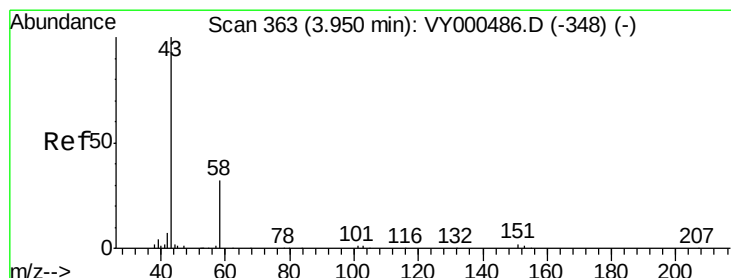
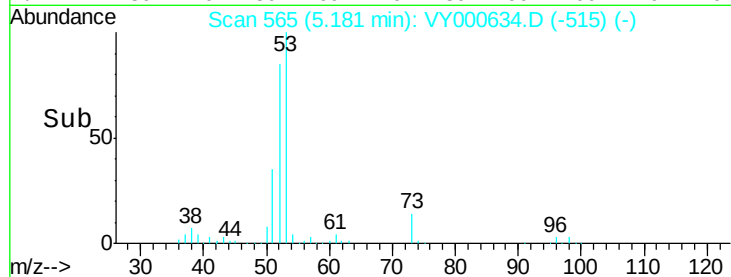
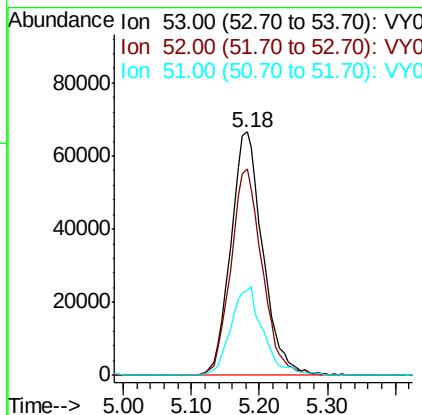
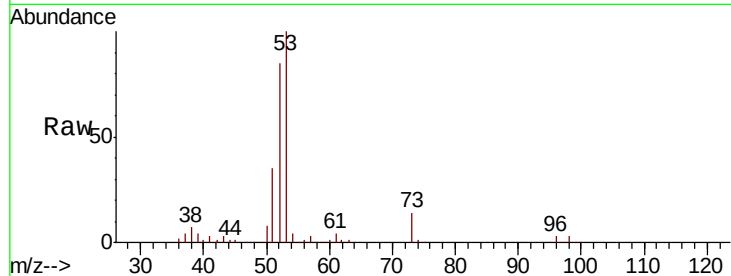
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	217020
Ion	Ratio	Lower	Upper
53	100		
52	83.4	64.9	97.3
51	36.3	27.6	41.4

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:00 AM



#16

Acetone

Concen: 227.358 ug/l

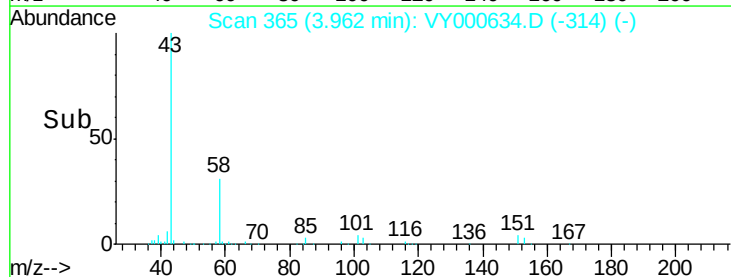
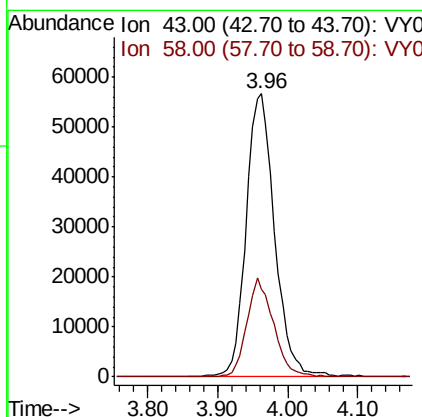
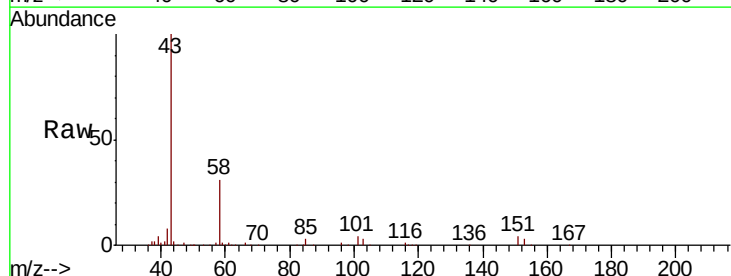
RT: 3.96 min Scan# 365

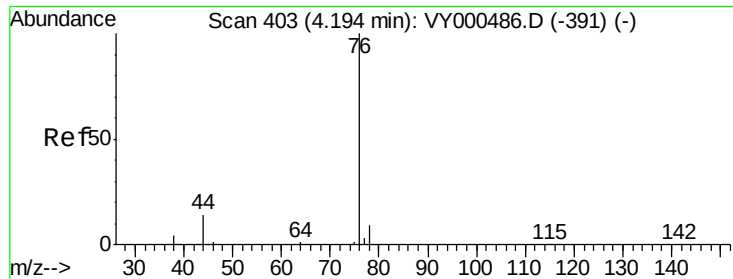
Delta R.T. 0.01 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Tgt Ion:	43	Resp:	160424
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.8	38.6





#17

Carbon Disulfide

Concen: 50.820 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 396091

Ion Ratio Lower Upper

76 100

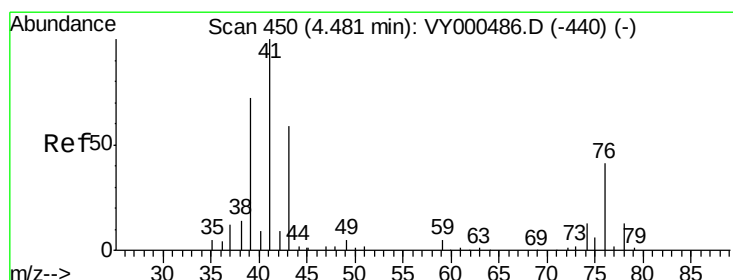
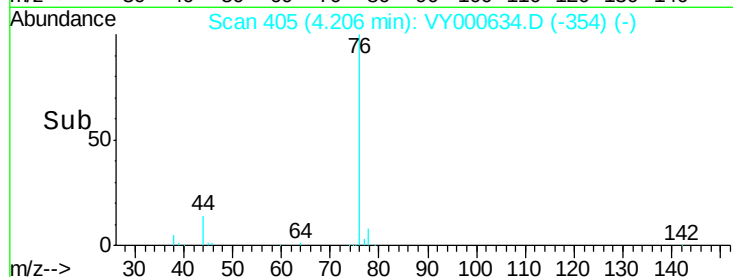
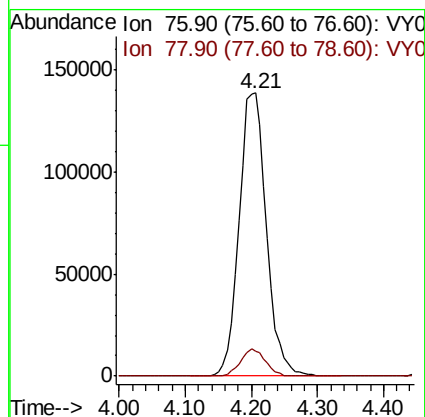
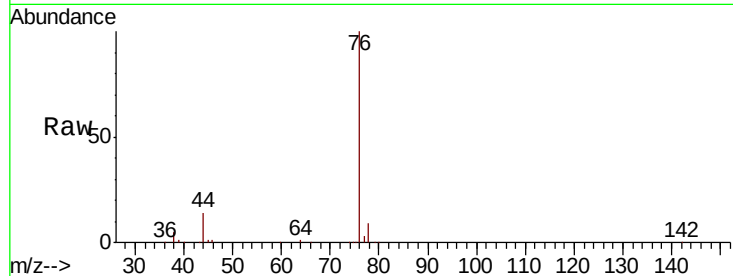
78 8.8 7.5 11.3

Manual Integrations

APPROVED

MMDadoda

11/13/2019 11:06:00 AM



#18

Methyl Acetate

Concen: 60.701 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY000634.D

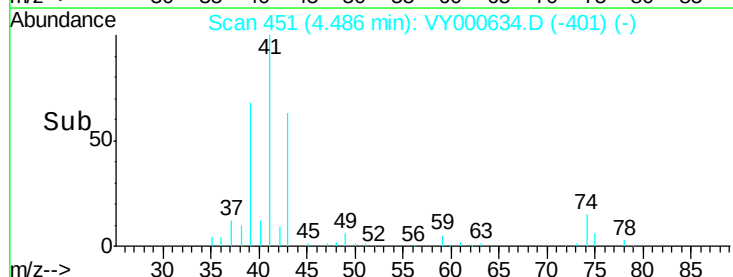
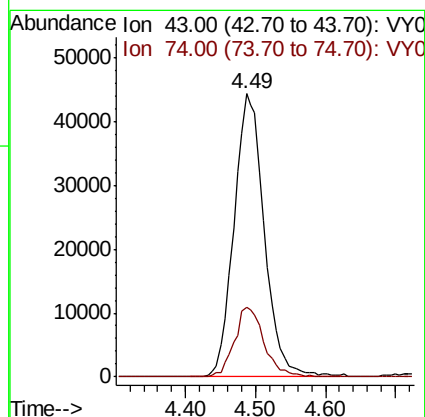
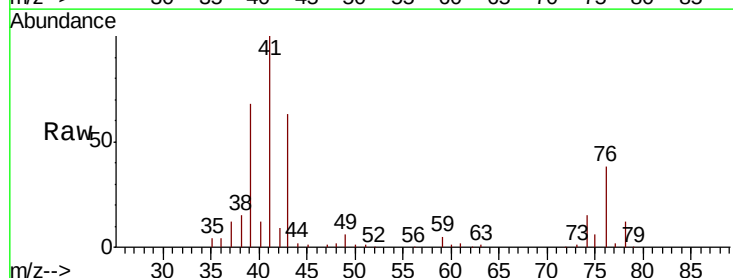
Acq: 08 Nov 2019 21:29

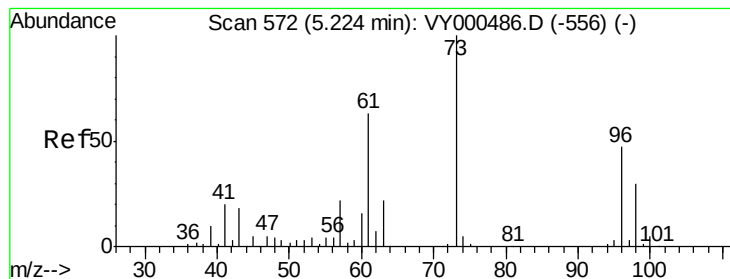
Tgt Ion: 43 Resp: 133175

Ion Ratio Lower Upper

43 100

74 23.9 19.2 28.8





#19

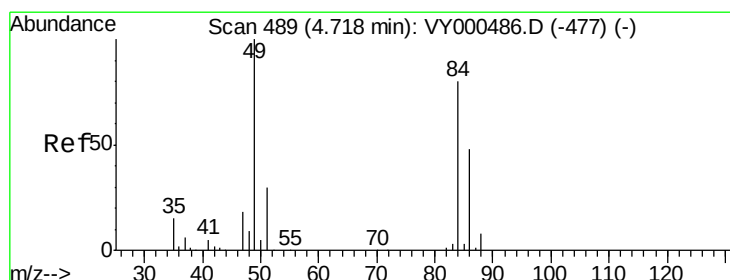
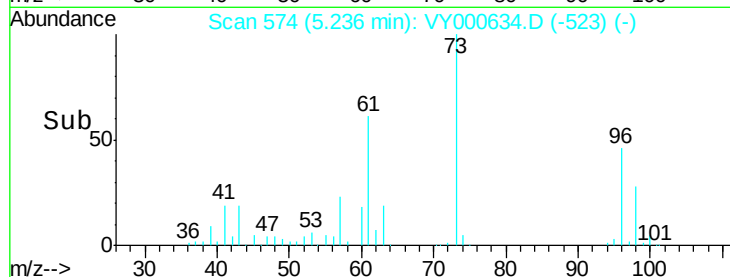
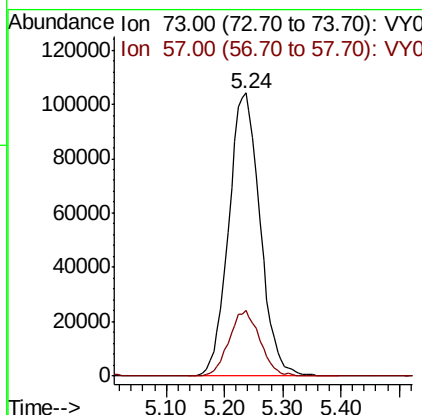
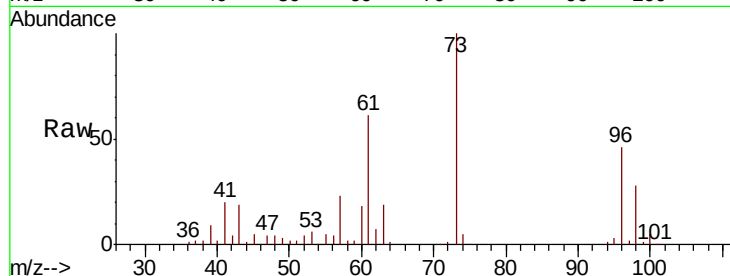
Methyl tert-butyl Ether
 Concen: 56.593 ug/l
 RT: 5.24 min Scan# 574
 Delta R.T. 0.01 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	17.4	26.0

Manual Integrations
 APPROVED

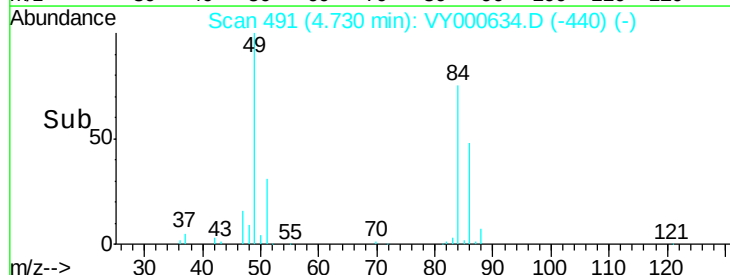
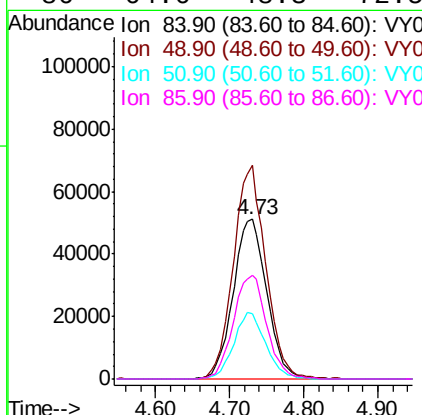
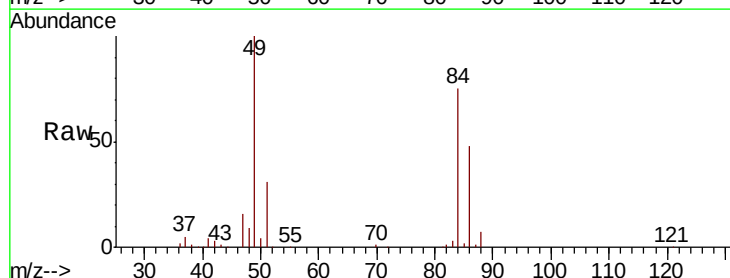
MMDadoda
 11/13/2019 11:06:00 AM

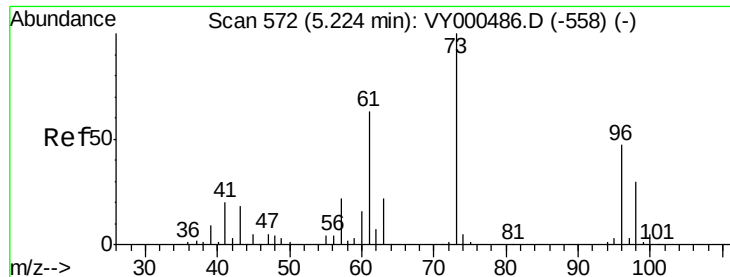


#20

Methylene Chloride
 Concen: 53.571 ug/l
 RT: 4.73 min Scan# 491
 Delta R.T. 0.01 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.7	100.2	150.4
51	41.1	29.6	44.4
86	64.6	48.3	72.5





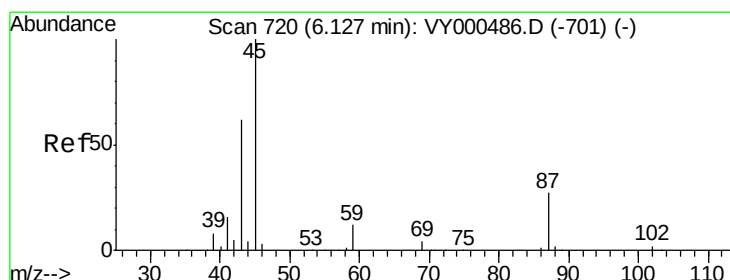
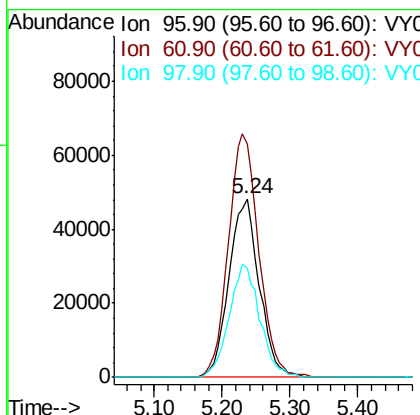
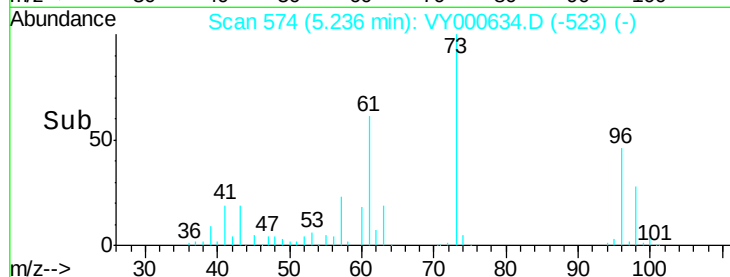
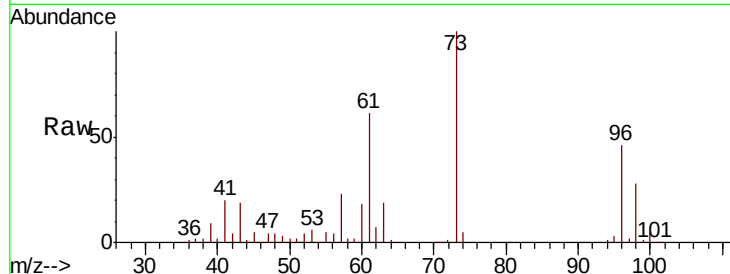
#21
trans-1,2-Dichloroethene
Concen: 53.303 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	106.6	160.0
98	61.2	50.6	76.0

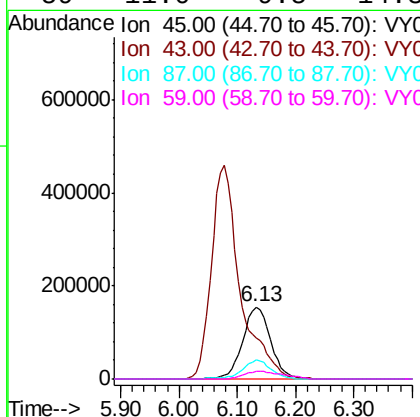
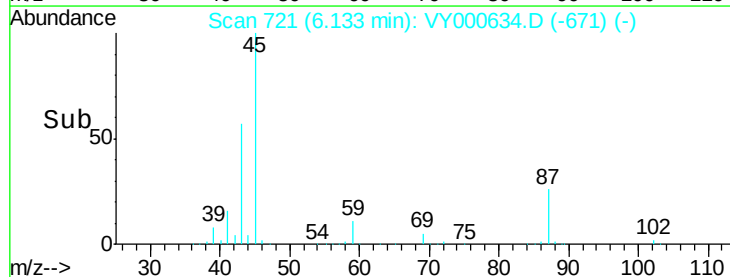
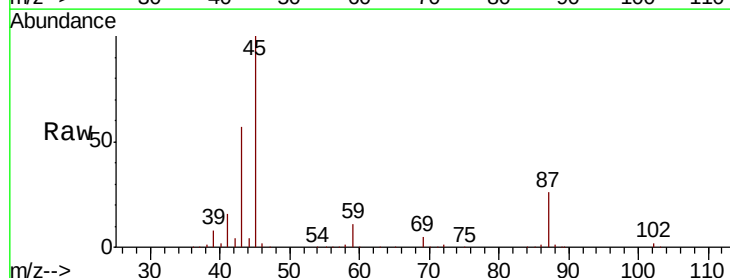
Manual Integrations
APPROVED

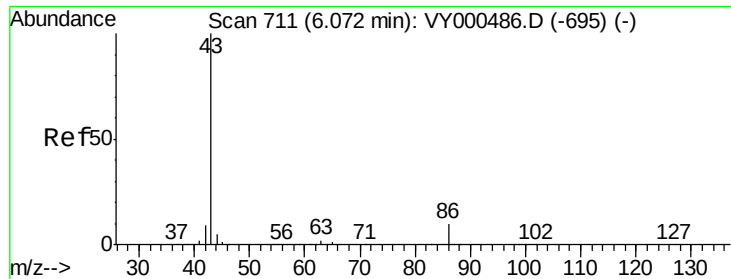
MMDadoda
11/13/2019 11:06:00 AM



#22
Diisopropyl ether
Concen: 58.865 ug/l
RT: 6.13 min Scan# 721
Delta R.T. 0.01 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.6	50.0	75.0
87	26.0	21.6	32.4
59	11.0	9.5	14.3





#23

Vinyl Acetate

Concen: 283.875 ug/l

RT: 6.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1565053

Ion Ratio Lower Upper

43 100

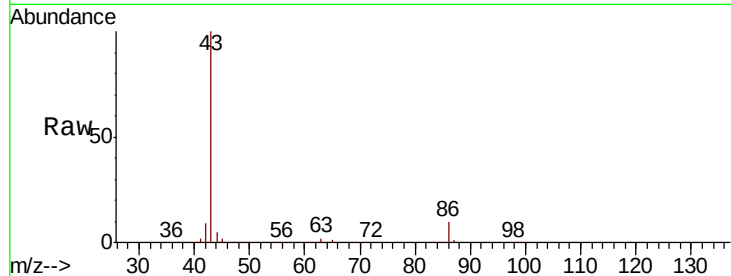
86 10.1 7.8 11.6

Manual Integrations

APPROVED

MMDadoda

11/13/2019 11:06:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.08

500000

400000

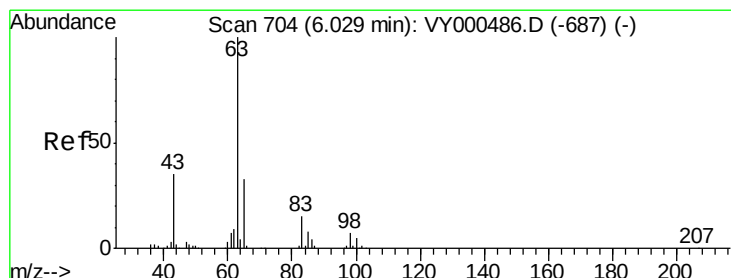
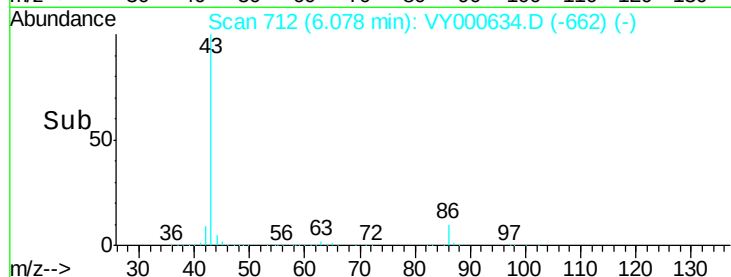
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 55.733 ug/l

RT: 6.03 min Scan# 705

Delta R.T. 0.01 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

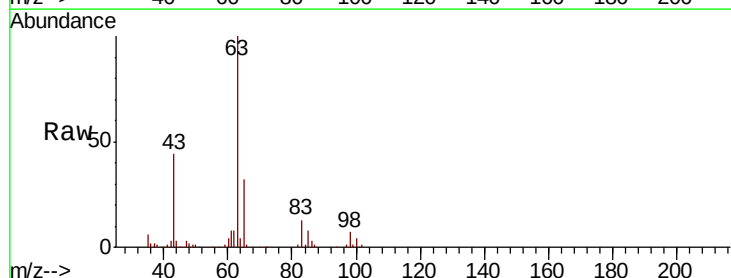
Tgt Ion: 63 Resp: 263695

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

100 4.4 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

100000

80000

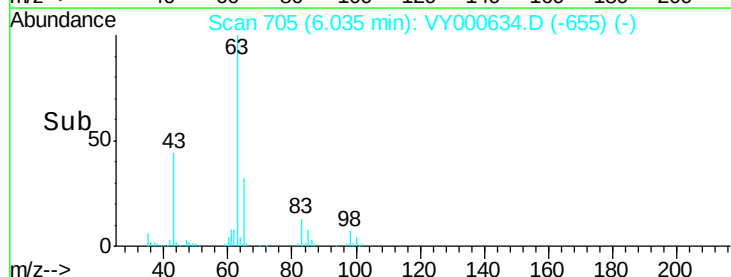
60000

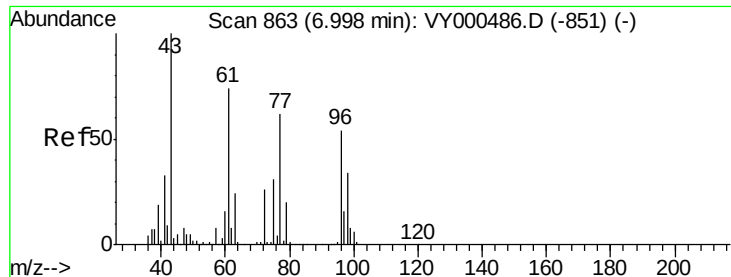
40000

20000

0

Time-->





#25

2-Butanone

Concen: 266.753 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 300389

Ion Ratio Lower Upper

43 100

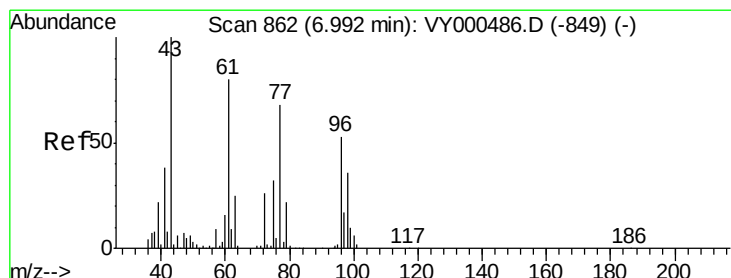
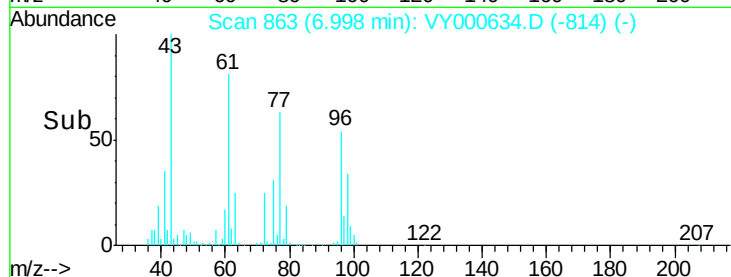
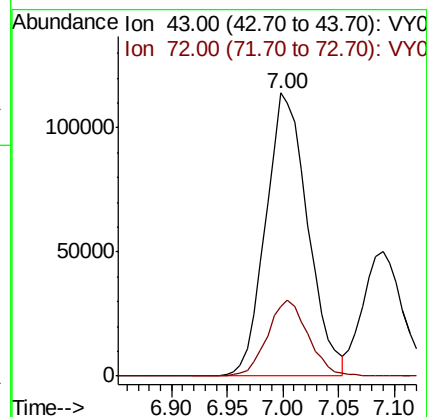
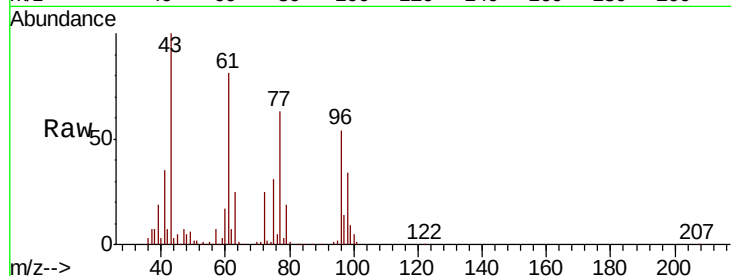
72 24.7 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

11/13/2019 11:06:00 AM



#26

2,2-Dichloropropane

Concen: 50.843 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY000634.D

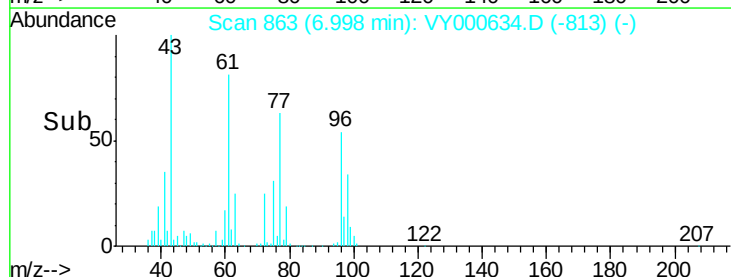
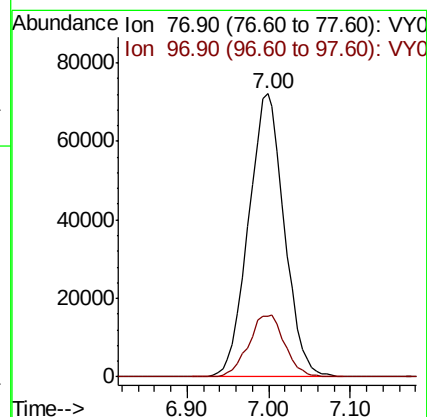
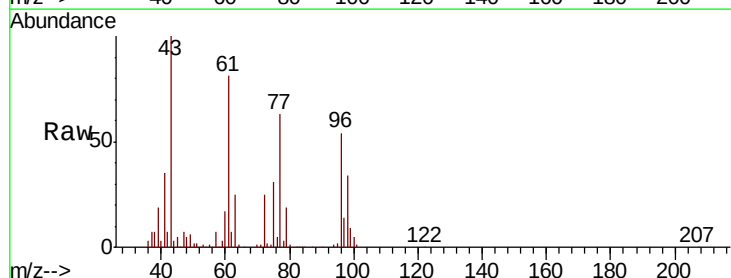
Acq: 08 Nov 2019 21:29

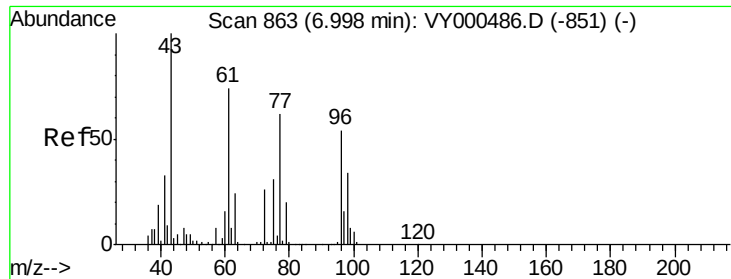
Tgt Ion: 77 Resp: 219839

Ion Ratio Lower Upper

77 100

97 22.2 11.8 35.4





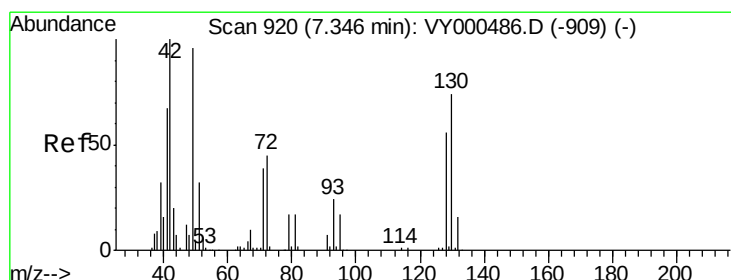
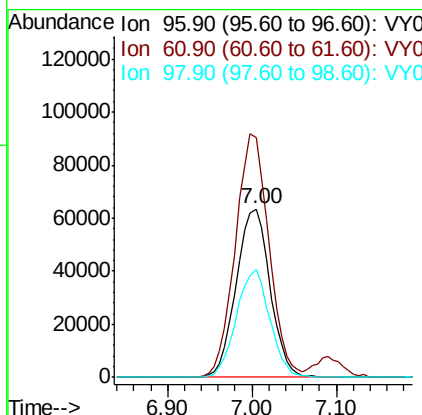
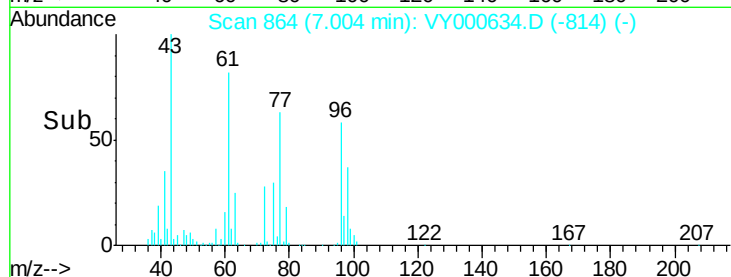
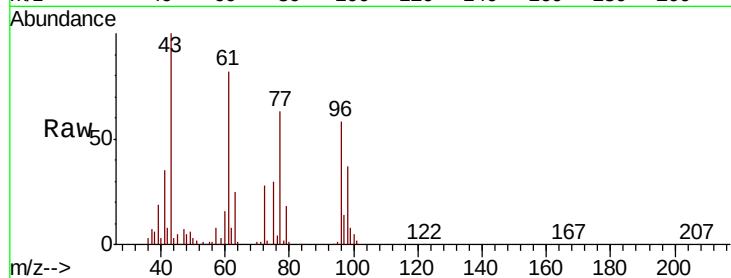
#27
 cis-1,2-Dichloroethene
 Concen: 56.497 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	172587		
61	143.6	0.0	287.0	
98	63.2	0.0	129.4	

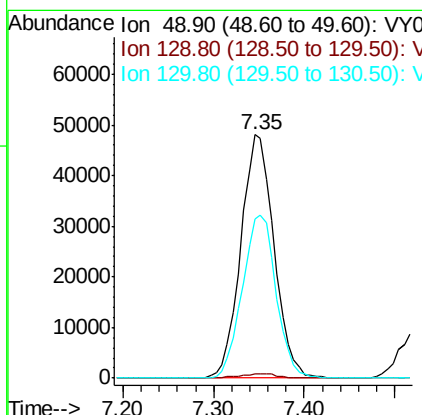
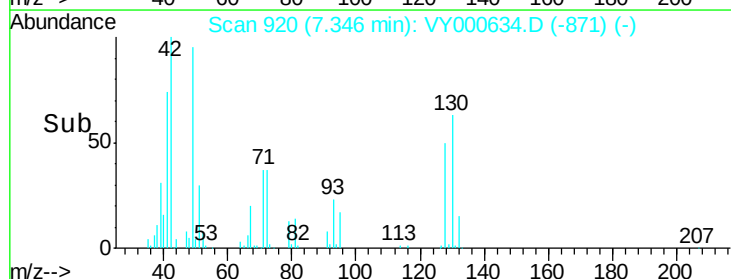
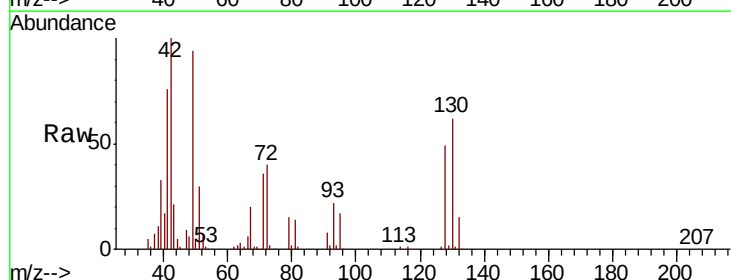
Manual Integrations
 APPROVED

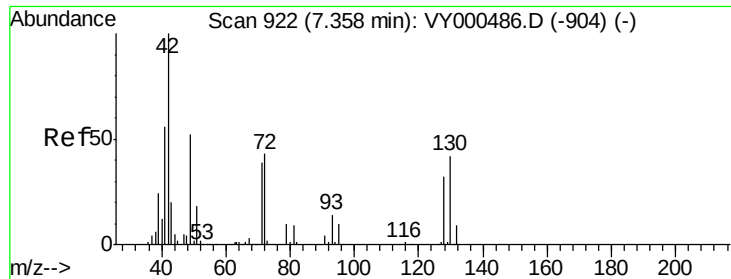
MMDadoda
 11/13/2019 11:06:00 AM



#28
 Bromochloromethane
 Concen: 55.790 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	121499		
129	1.9	0.0	3.6	
130	68.3	59.4	89.0	





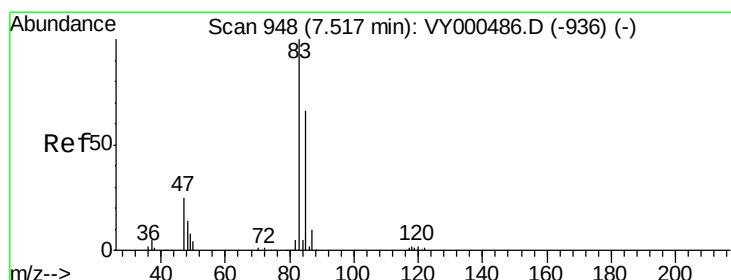
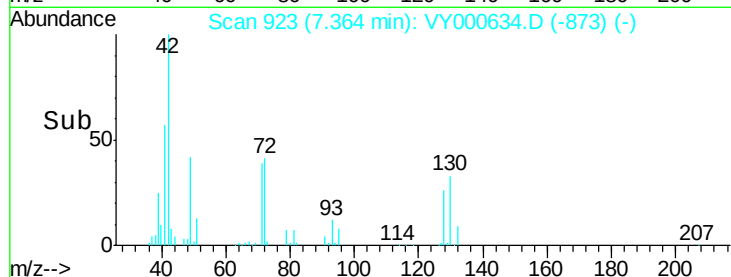
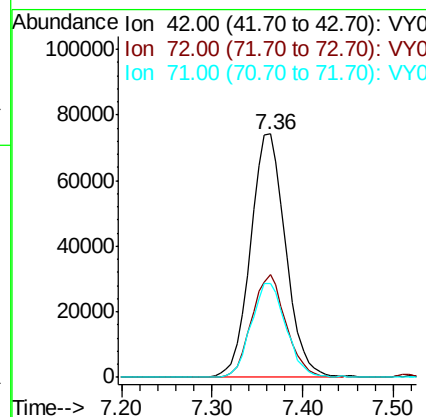
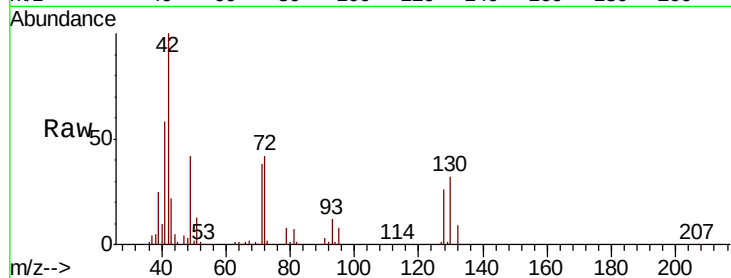
#29
Tetrahydrofuran
Concen: 288.493 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	34.0	51.0
71	38.3	30.8	46.2

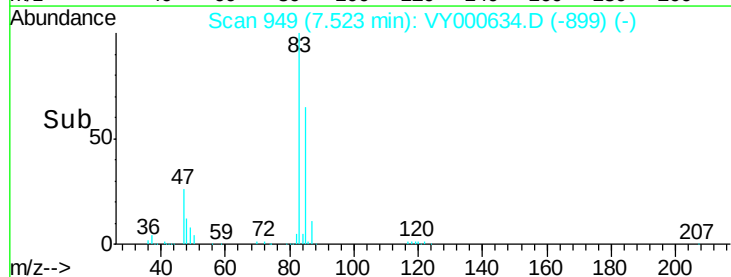
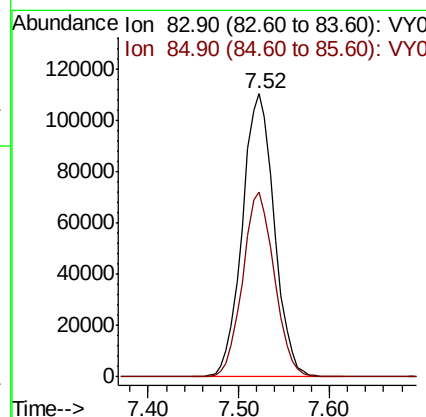
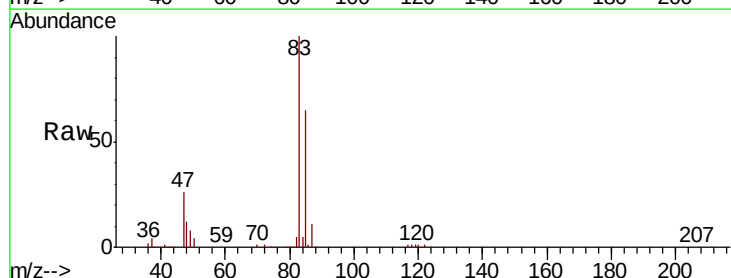
Manual Integrations
APPROVED

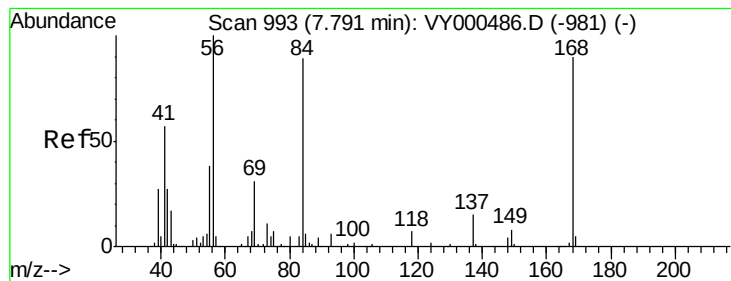
MMDadoda
11/13/2019 11:06:00 AM



#30
Chloroform
Concen: 56.290 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.0	79.4





#31

Cyclohexane

Concen: 50.146 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 248502

Ion Ratio Lower Upper

56 100

69 30.3 25.0 37.6

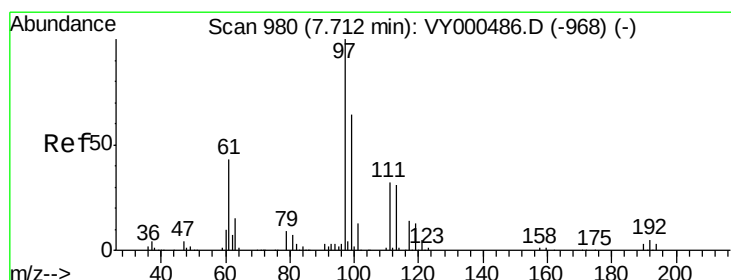
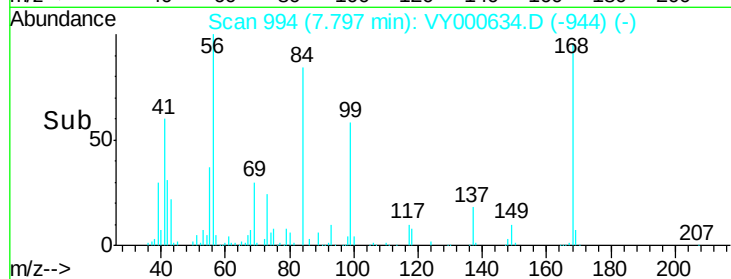
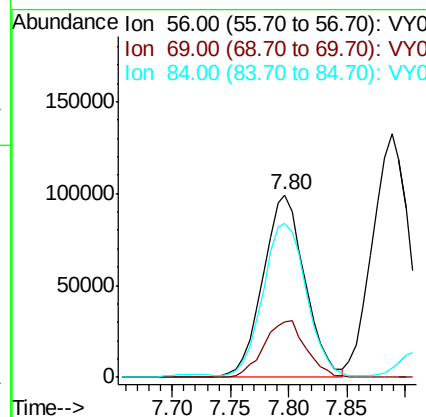
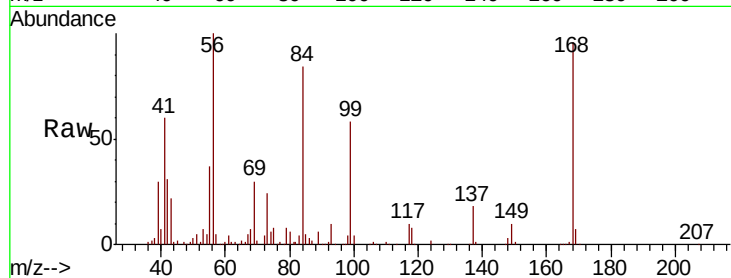
84 83.0 71.4 107.2

Manual Integrations

APPROVED

MMDadoda

11/13/2019 11:06:00 AM



#32

1,1,1-Trichloroethane

Concen: 54.000 ug/l

RT: 7.72 min Scan# 981

Delta R.T. 0.01 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

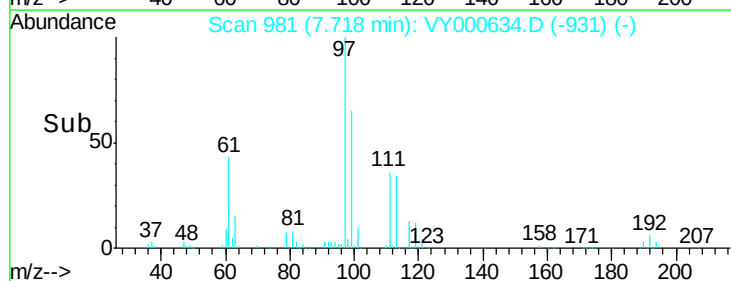
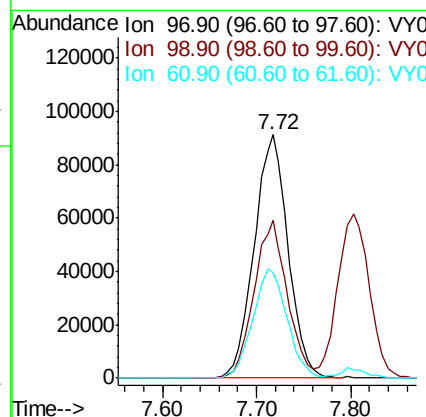
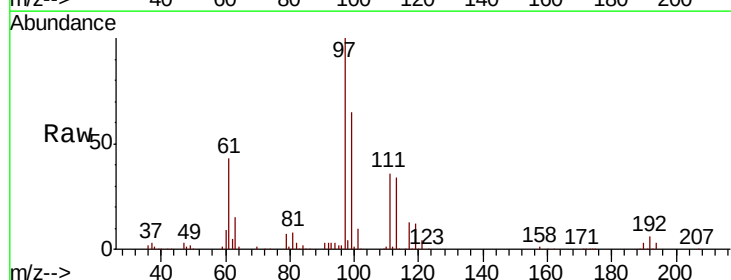
Tgt Ion: 97 Resp: 230350

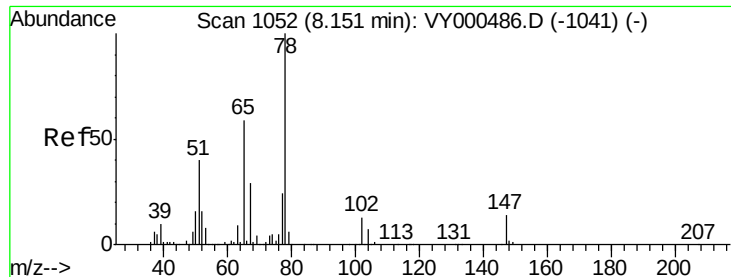
Ion Ratio Lower Upper

97 100

99 63.5 50.9 76.3

61 45.2 34.9 52.3





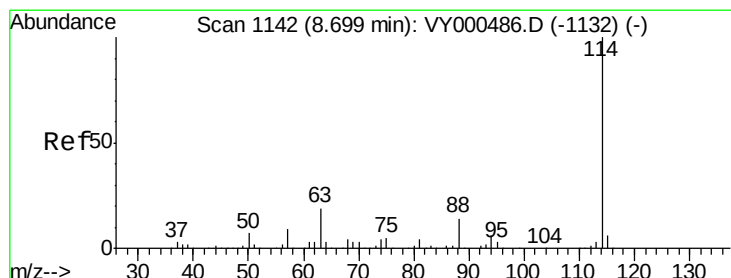
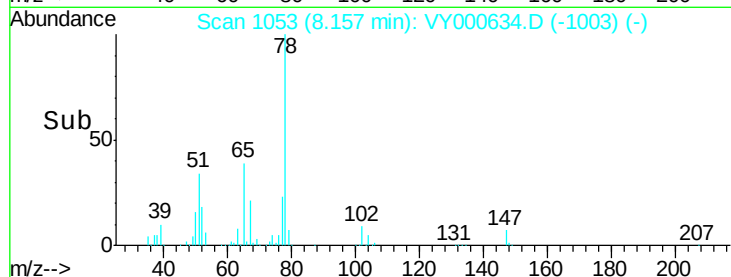
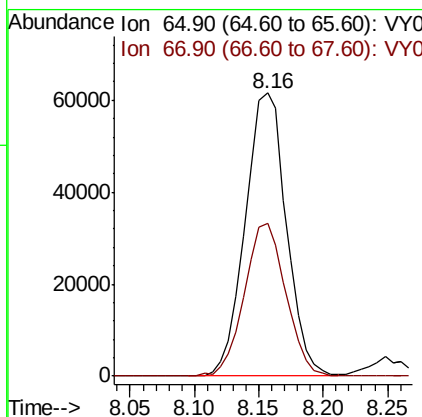
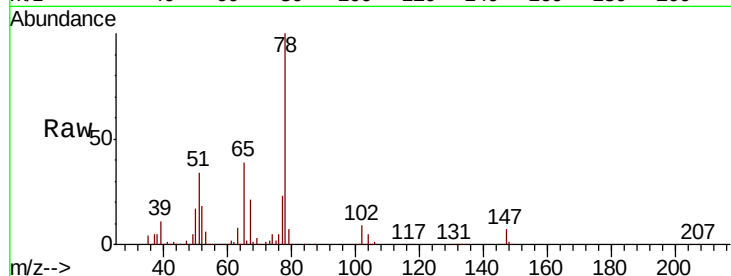
#33
 1,2-Dichloroethane-d4
 Concen: 53.067 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	135859		
67	54.5	0.0	107.2	

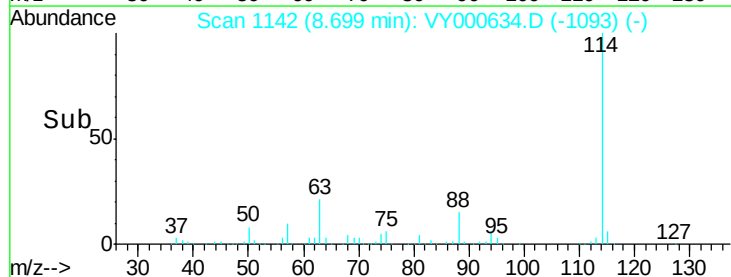
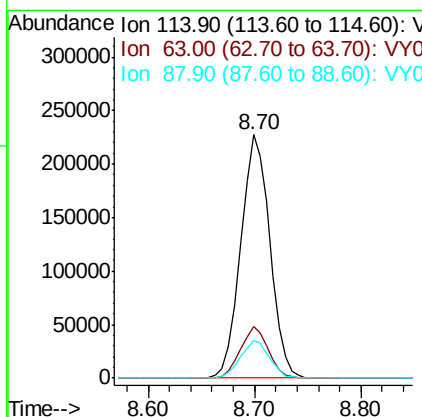
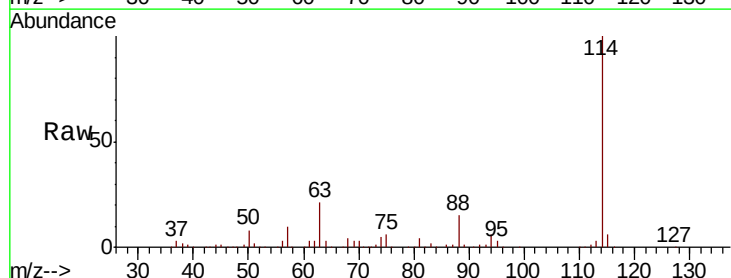
Manual Integrations
 APPROVED

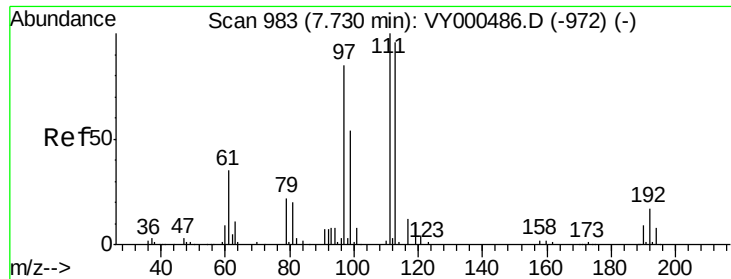
MMDadoda
 11/13/2019 11:06:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	436731		
63	21.3	0.0	38.0	
88	15.2	0.0	28.6	





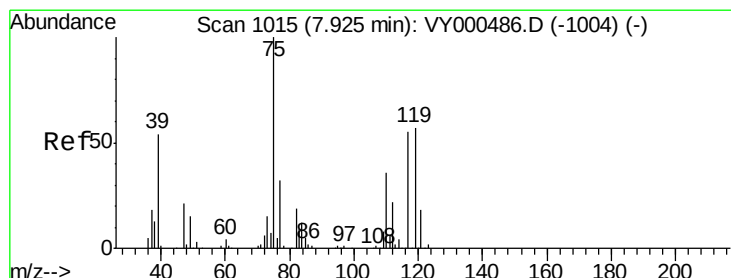
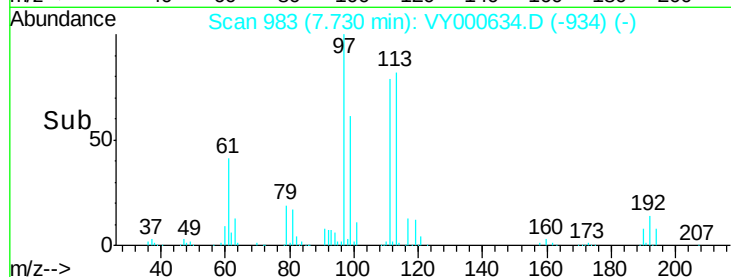
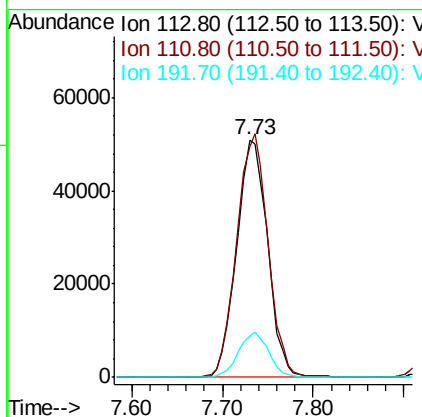
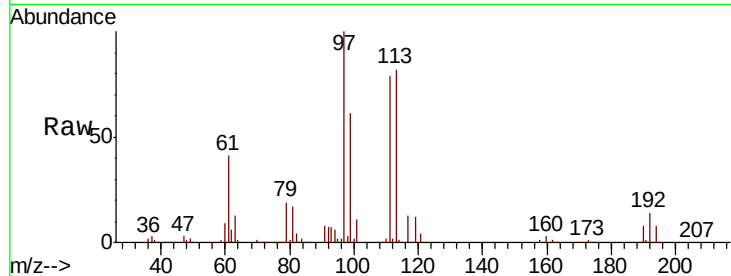
#35
 Dibromofluoromethane
 Concen: 47.114 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	120796		
111	103.2	81.7	122.5	
192	18.4	15.0	22.4	

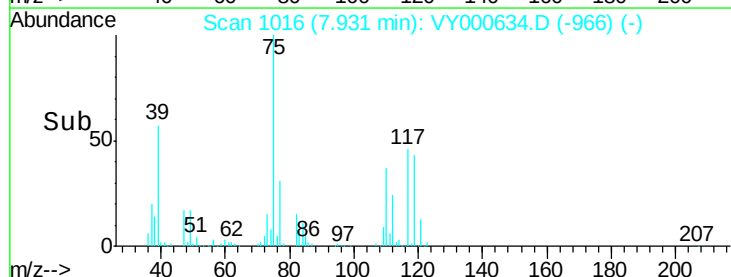
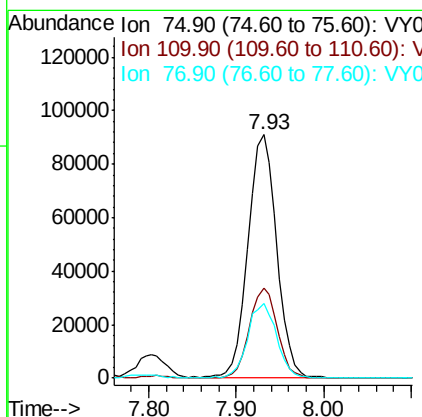
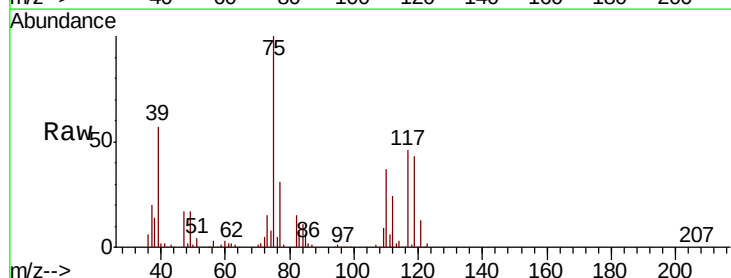
Manual Integrations
 APPROVED

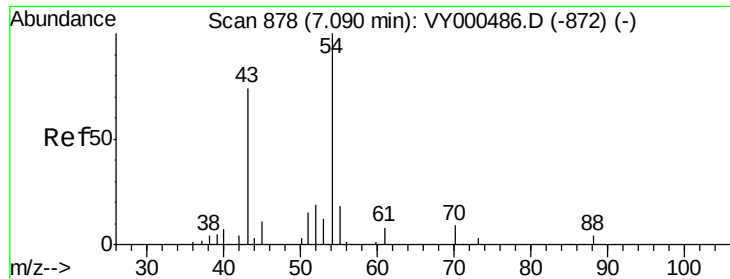
MMDadoda
 11/13/2019 11:06:00 AM



#36
 1,1-Dichloropropene
 Concen: 50.239 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. 0.01 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	207417		
110	36.0	18.1	54.1	
77	30.9	25.0	37.6	





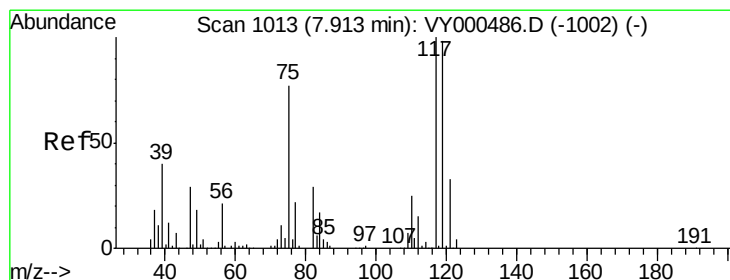
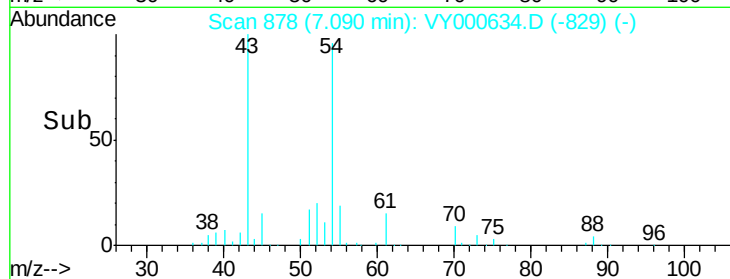
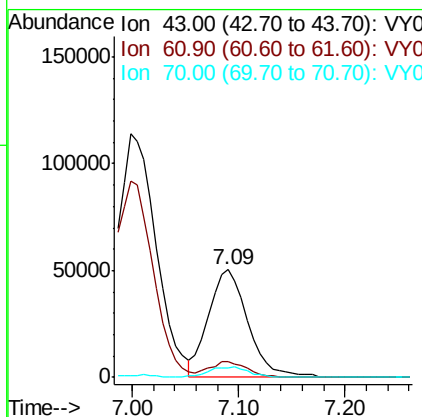
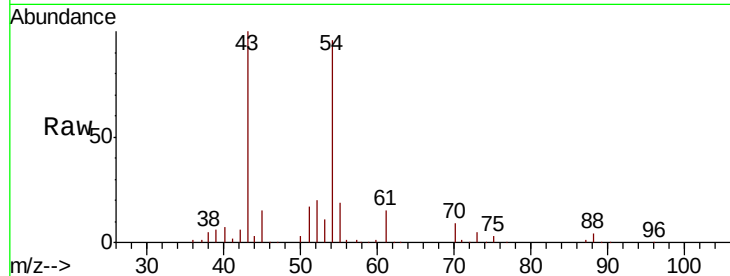
#37
Ethyl Acetate
Concen: 52.592 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.2	15.2
70	9.8	7.8	11.8

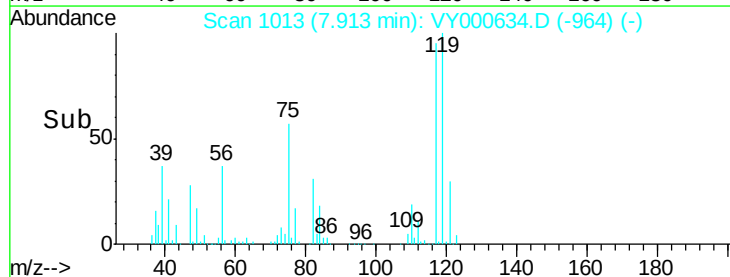
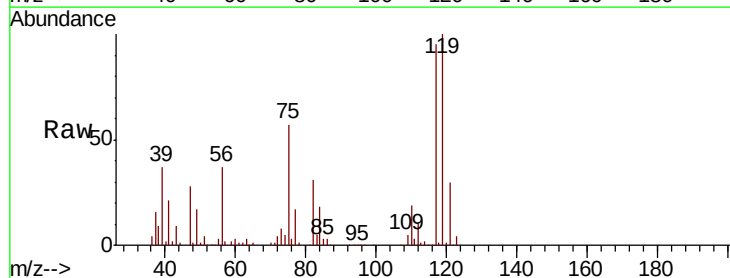
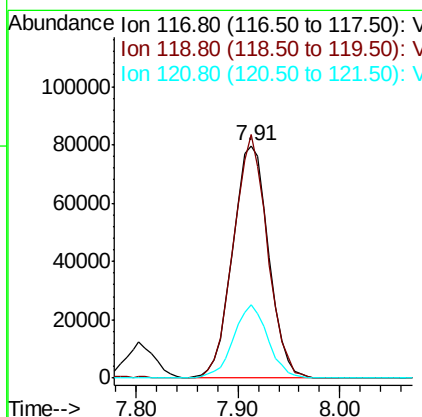
Manual Integrations
APPROVED

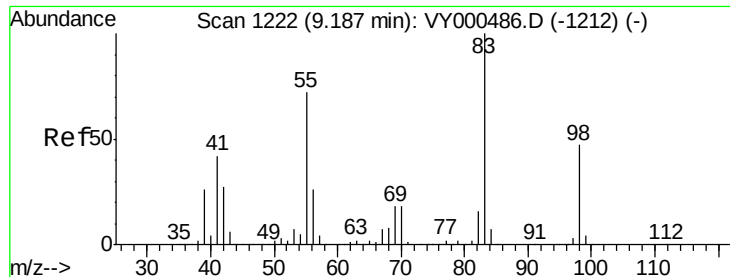
MMDadoda
11/13/2019 11:06:00 AM



#38
Carbon Tetrachloride
Concen: 49.142 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	104.7	78.0	117.0
121	31.4	26.6	40.0





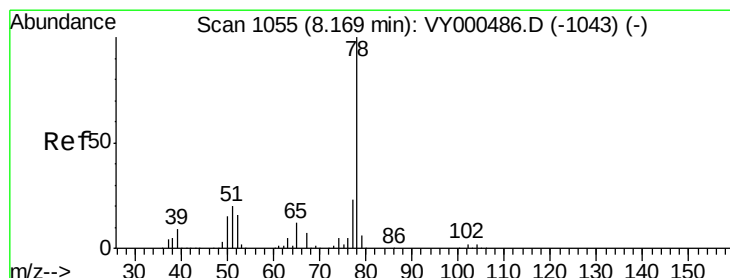
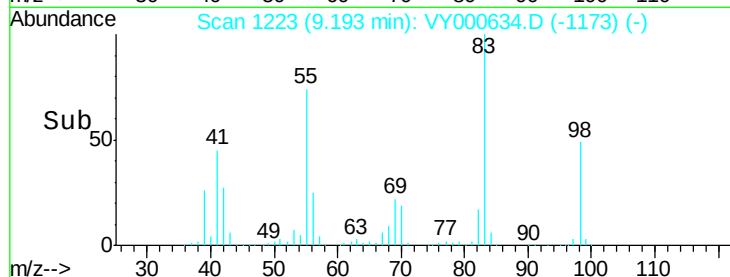
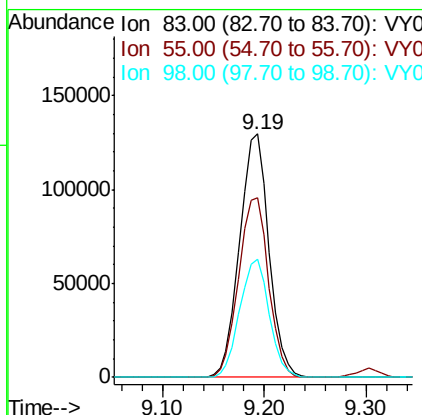
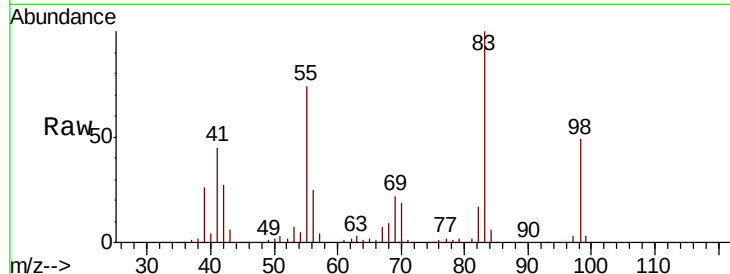
#39
Methylvlcyclohexane
Concen: 48.492 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.6	57.5	86.3
98	48.8	38.0	57.0

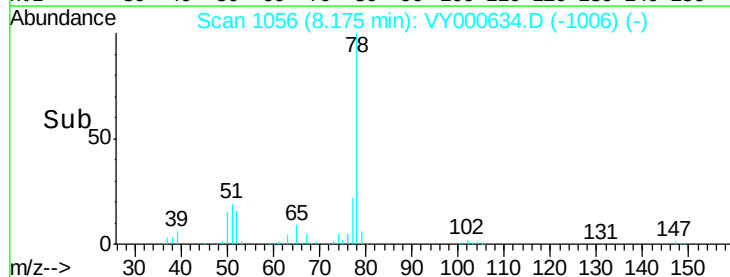
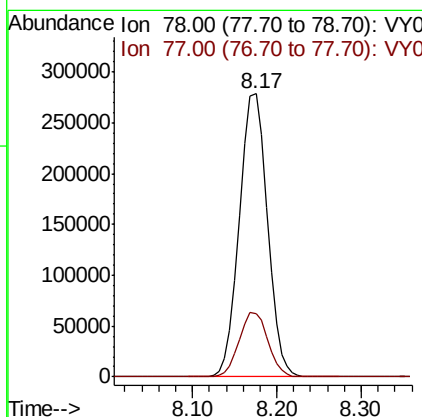
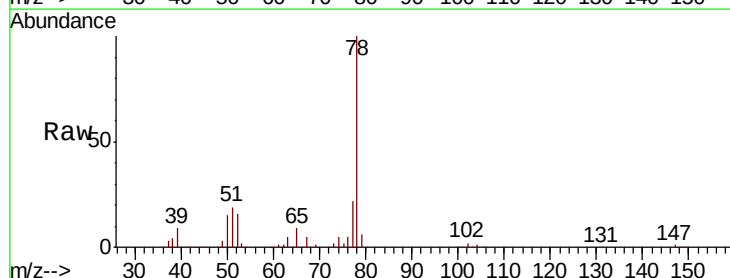
Manual Integrations
APPROVED

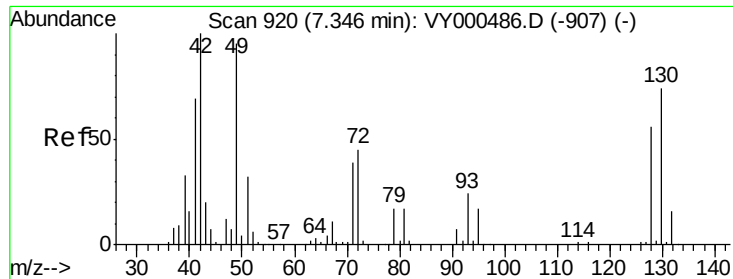
MMDadoda
11/13/2019 11:06:00 AM



#40
Benzene
Concen: 51.680 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.6	28.0





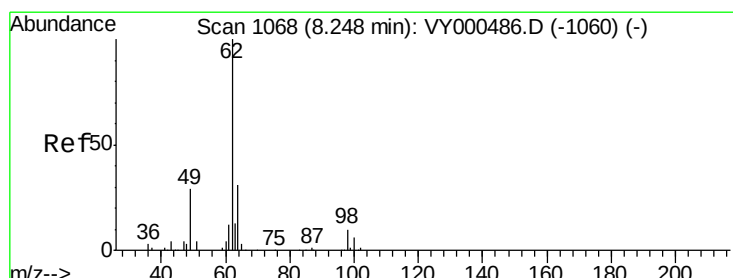
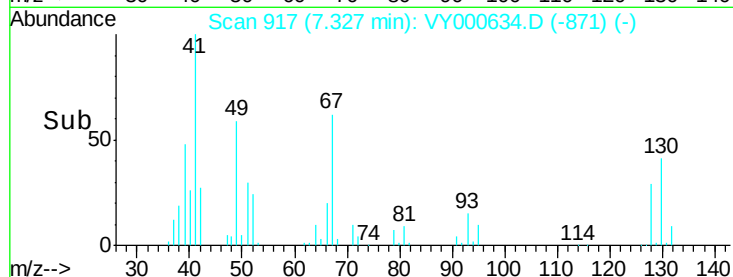
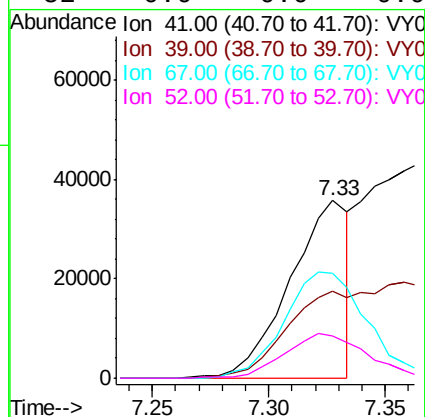
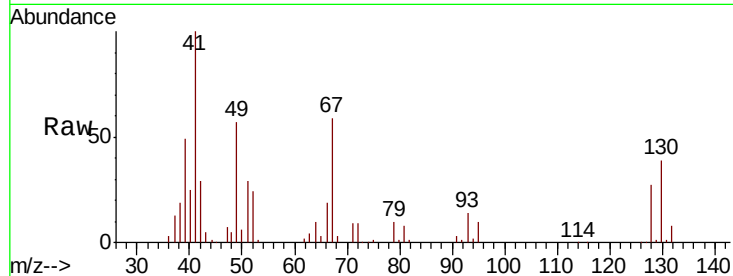
#41
Methacrylonitrile
Concen: 46.663 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.02 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	63808
Ion Ratio	Lower	Upper	
41	100		
39	0.0	68.2	102.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

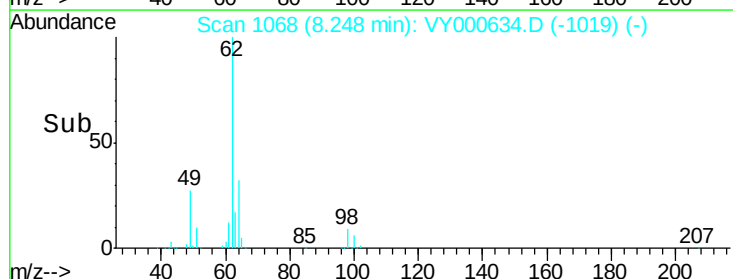
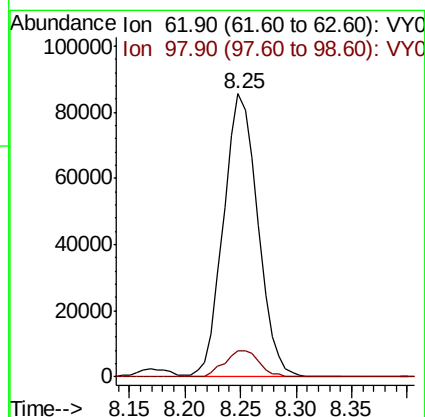
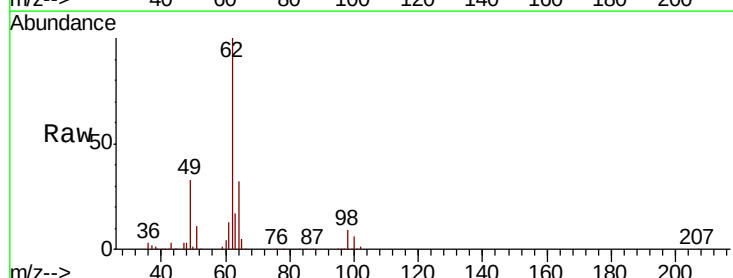
Manual Integrations
APPROVED

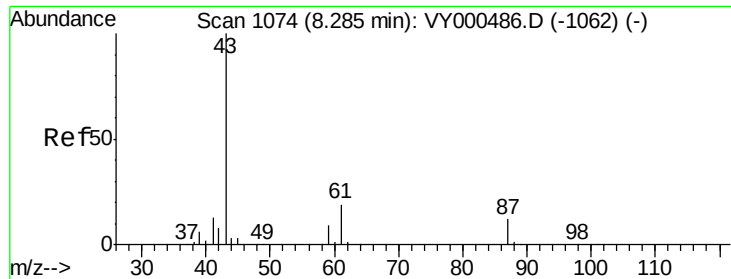
MMDadoda
11/13/2019 11:06:00 AM



#42
1,2-Dichloroethane
Concen: 53.416 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Tgt Ion:	62	Resp:	183381
Ion Ratio	Lower	Upper	
62	100		
98	9.3	0.0	19.2





#43

Isopropyl Acetate

Concen: 55.747 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Instrument :

MSVOA_Y

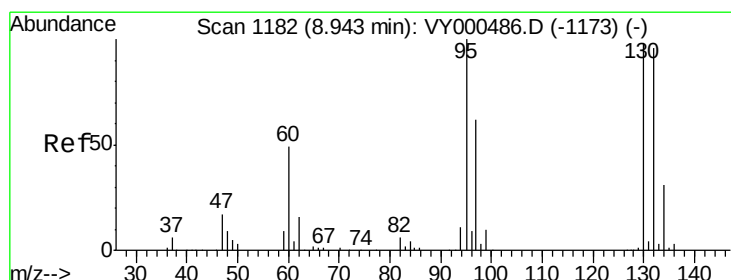
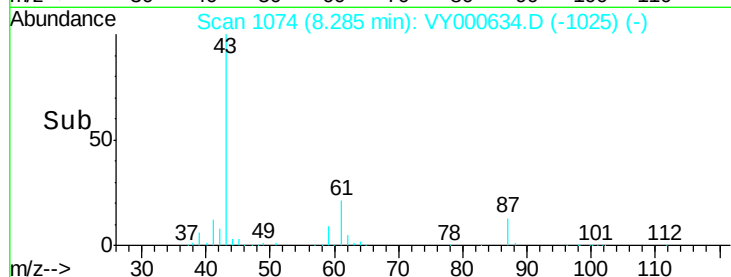
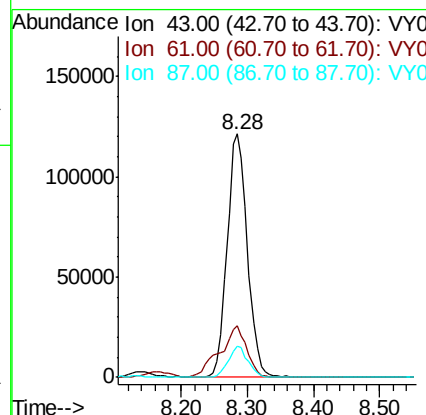
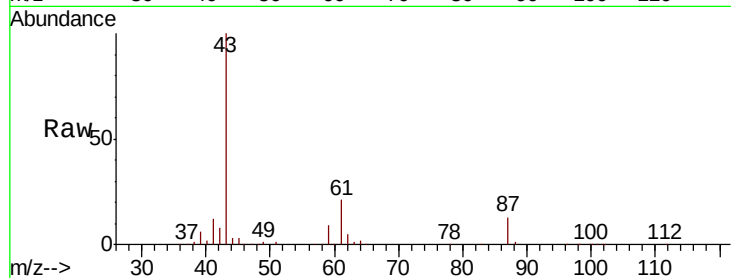
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	256692
Ion	Ratio	Lower	Upper
43	100		
61	28.1	23.0	34.4
87	12.4	10.5	15.7

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:00 AM



#44

Trichloroethene

Concen: 50.846 ug/l

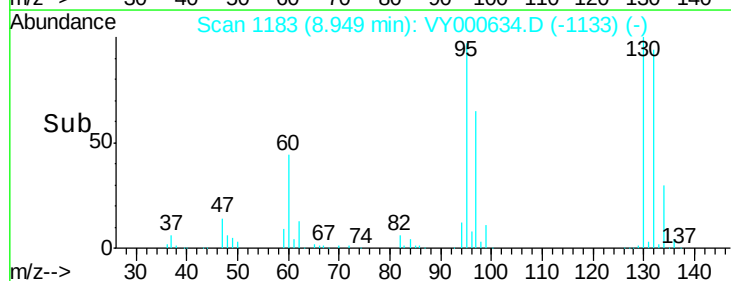
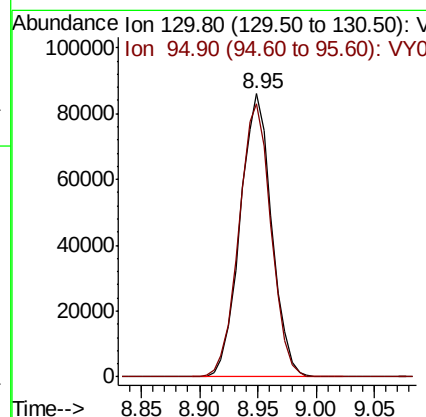
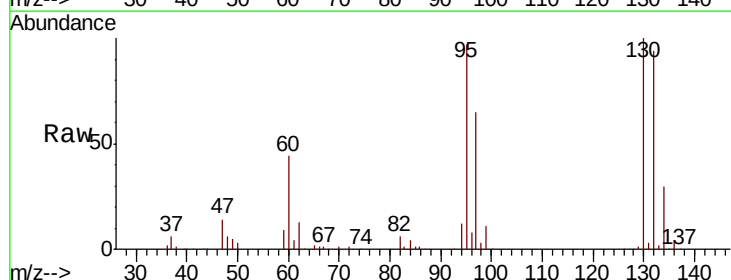
RT: 8.95 min Scan# 1183

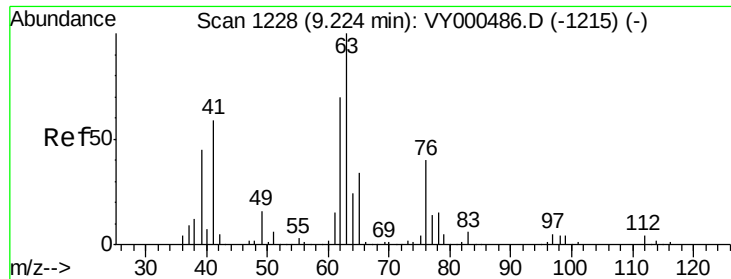
Delta R.T. 0.01 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Tgt Ion:	130	Resp:	162270
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	203.2





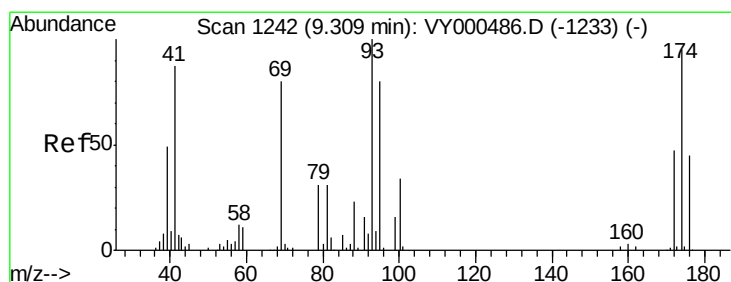
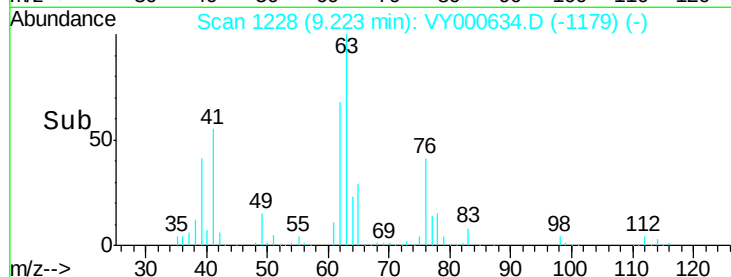
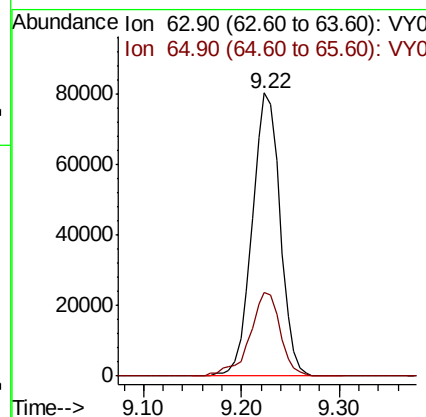
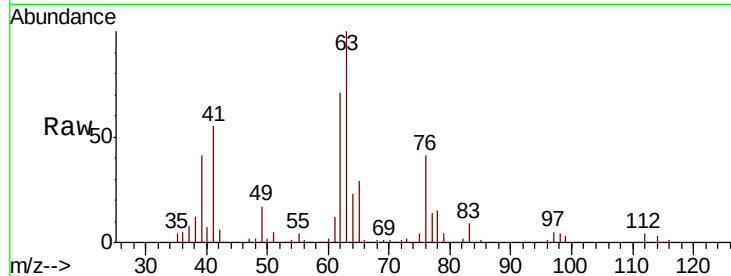
#45
 1,2-Dichloropropane
 Concen: 53.483 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 159331
 Ion Ratio Lower Upper
 63 100
 65 29.4 27.0 40.4

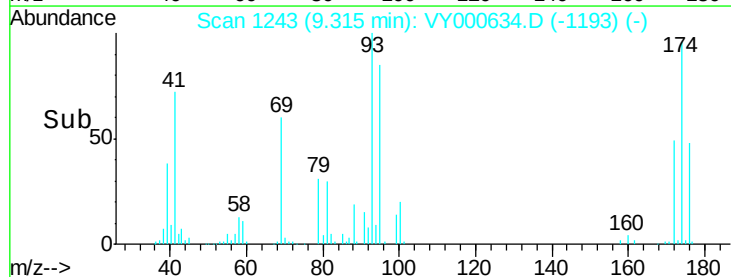
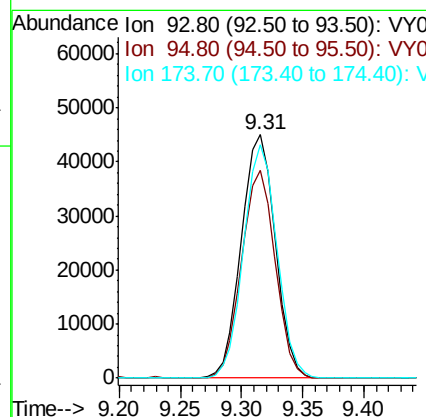
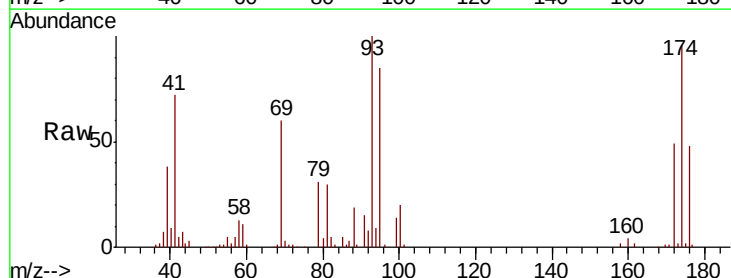
Manual Integrations
 APPROVED

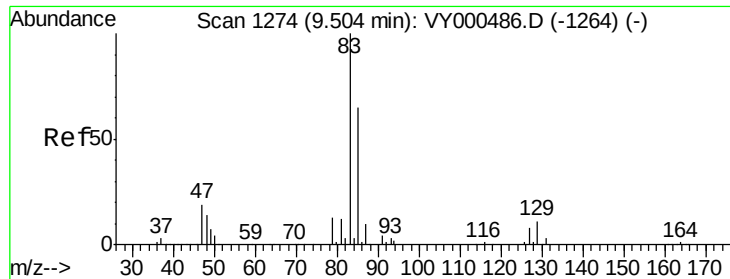
MMDadoda
 11/13/2019 11:06:00 AM



#46
 Dibromomethane
 Concen: 53.237 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Tgt Ion: 93 Resp: 87223
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.4 99.6
 174 94.0 77.1 115.7





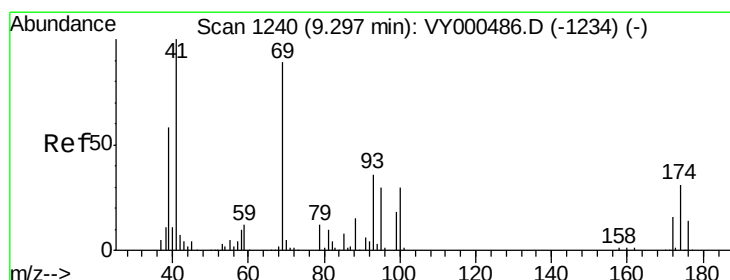
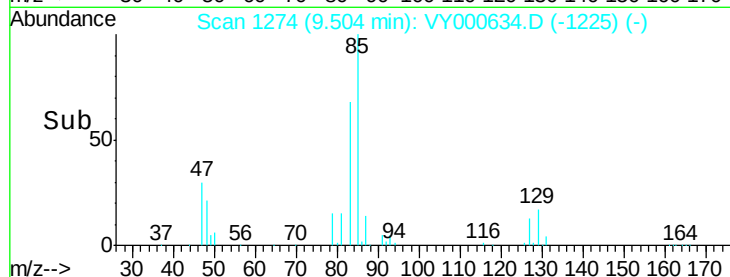
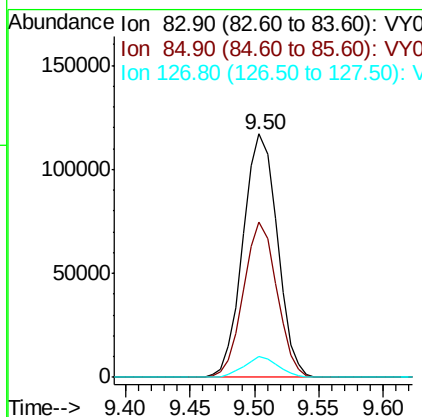
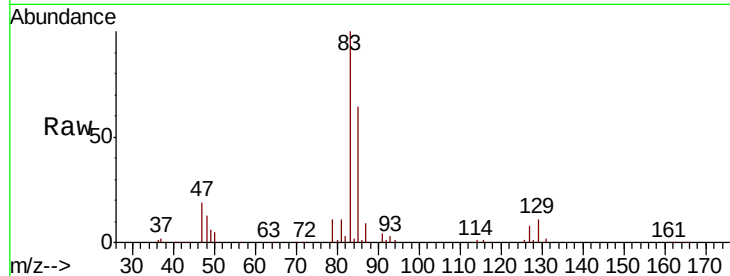
#47
Bromodichloromethane
Concen: 55.460 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	215603
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	51.8	77.8
127	8.4	6.7	10.1

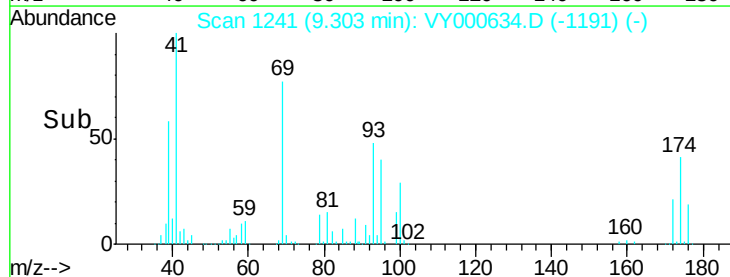
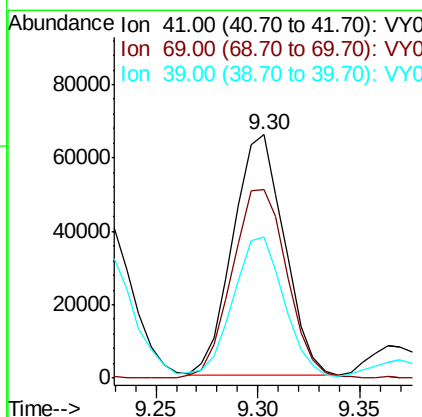
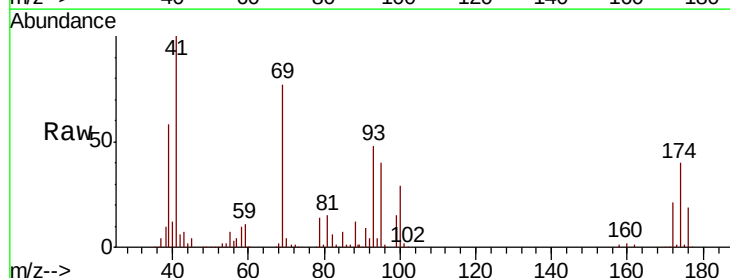
Manual Integrations
APPROVED

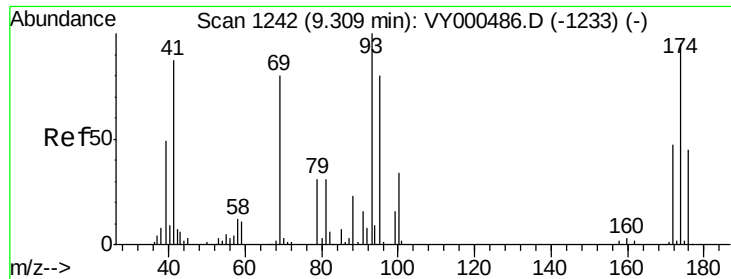
MMDadoda
11/13/2019 11:06:00 AM



#48
Methyl methacrylate
Concen: 57.138 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Tgt Ion	41	Resp	114954
Ion Ratio	100	Lower	Upper
41	100		
69	83.8	72.5	108.7
39	59.4	47.8	71.8





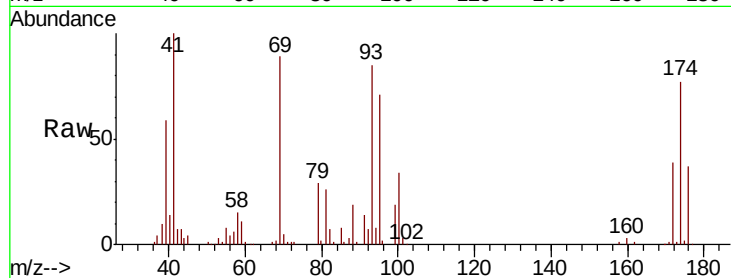
#49
1,4-Dioxane
Concen: 1076.230 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	25.1	37.7
58	73.0	50.6	75.8

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:00 AM

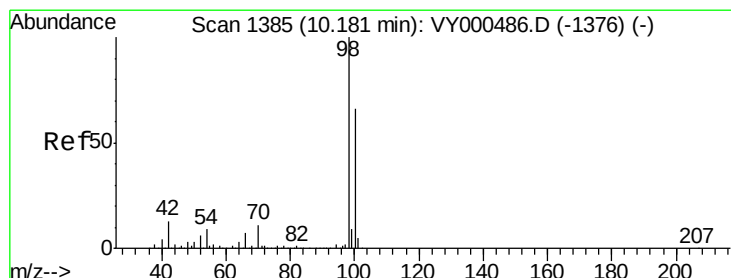
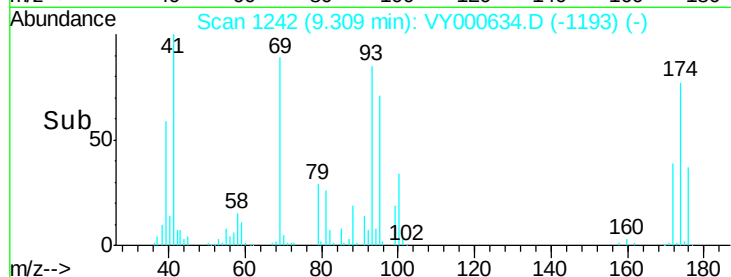
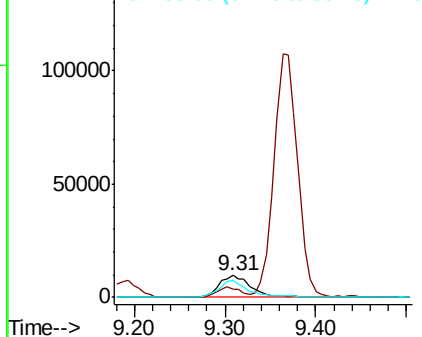


Abundance

Ion 88.00 (87.70 to 88.70): VY0

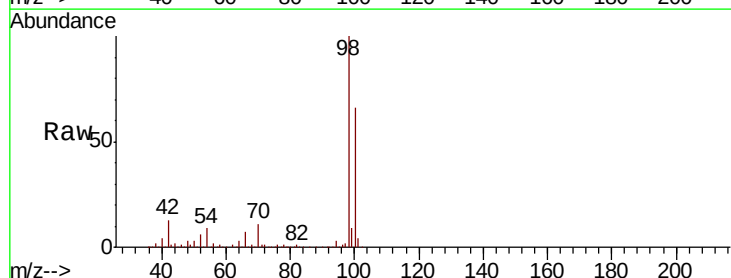
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50
Toluene-d8
Concen: 50.270 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

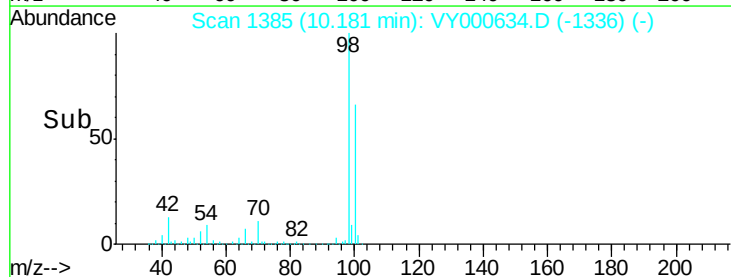
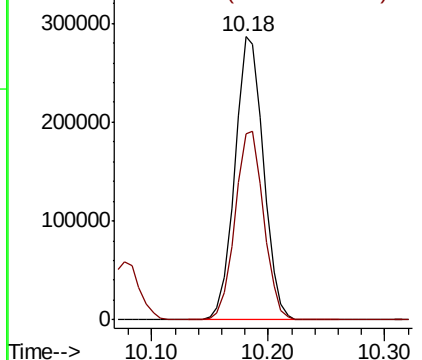
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.9	79.3

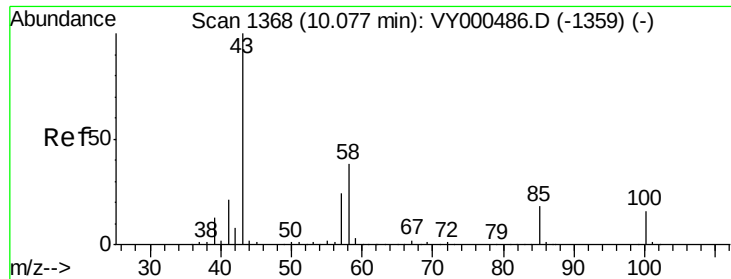


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





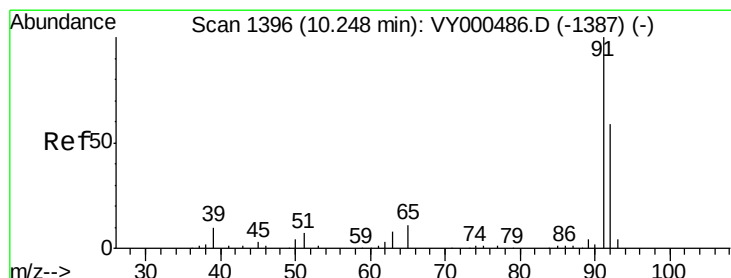
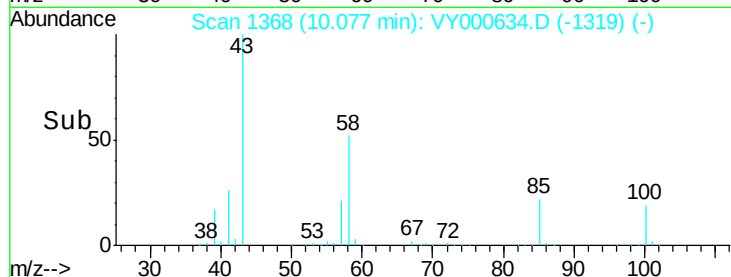
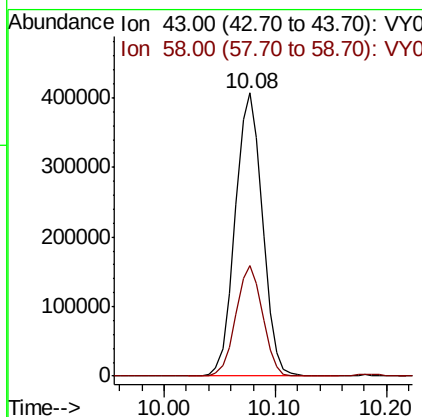
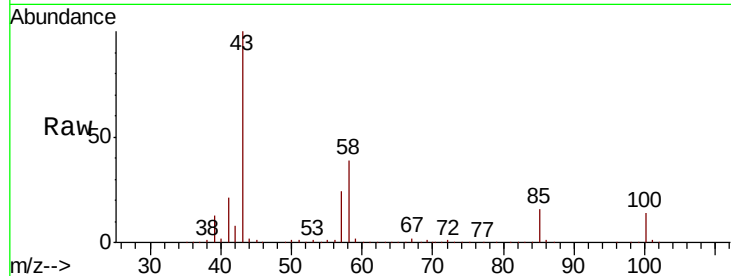
#51
4-Methyl-2-Pentanone
Concen: 281.751 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 689764
Ion Ratio Lower Upper
43 100
58 38.3 30.2 45.4

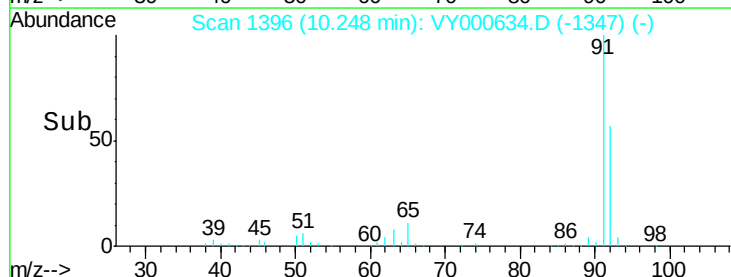
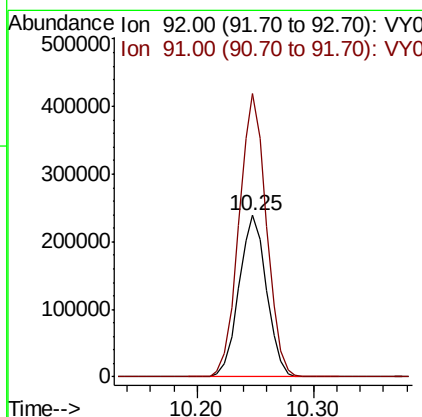
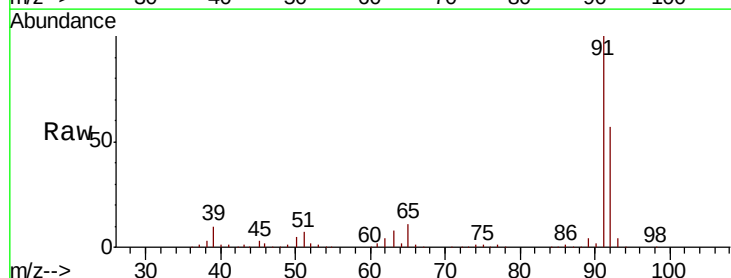
Manual Integrations
APPROVED

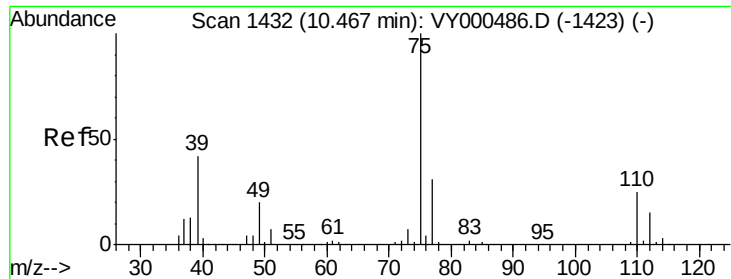
MMDadoda
11/13/2019 11:06:00 AM



#52
Toluene
Concen: 51.681 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Tgt Ion: 92 Resp: 395497
Ion Ratio Lower Upper
92 100
91 173.7 136.3 204.5





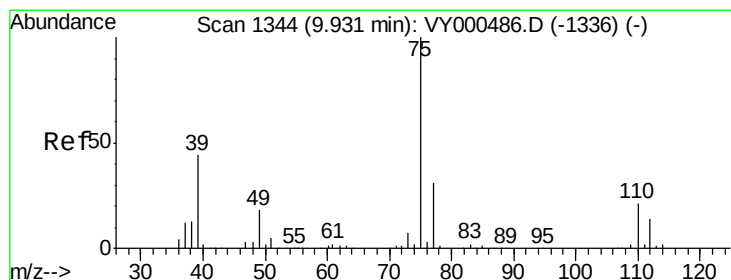
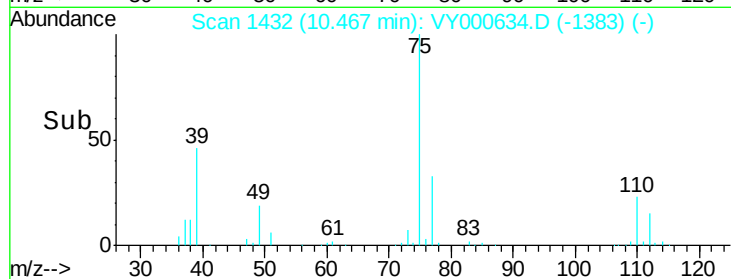
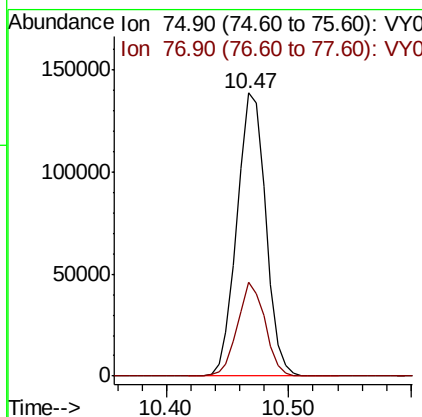
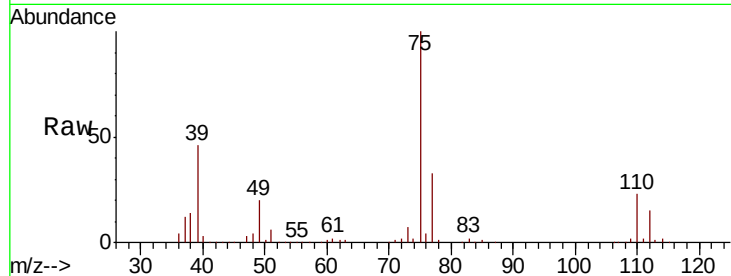
#53
t-1,3-Dichloropropene
Concen: 54.438 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 226126
Ion Ratio Lower Upper
75 100
77 33.0 24.6 37.0

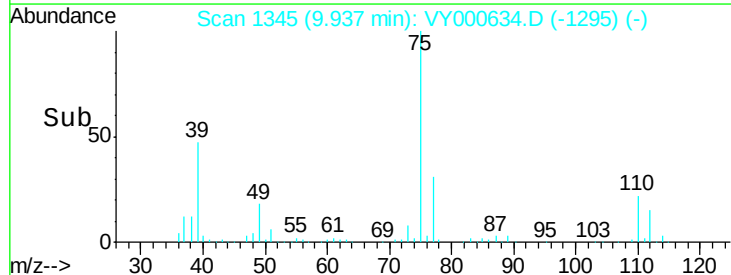
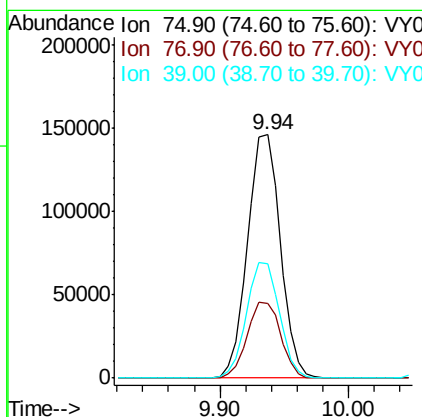
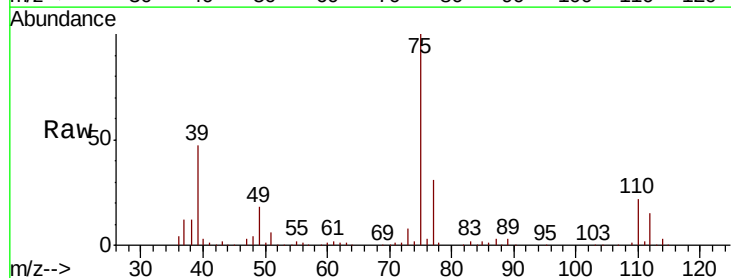
Manual Integrations
APPROVED

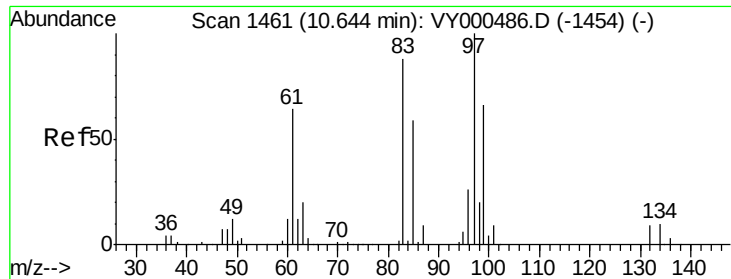
MMDadoda
11/13/2019 11:06:00 AM



#54
cis-1,3-Dichloropropene
Concen: 53.863 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. 0.01 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Tgt Ion: 75 Resp: 256314
Ion Ratio Lower Upper
75 100
77 30.9 24.5 36.7
39 46.7 35.4 53.2





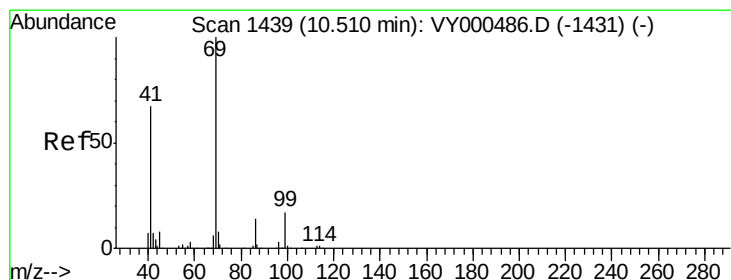
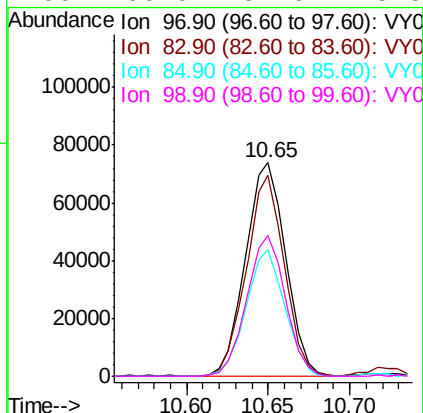
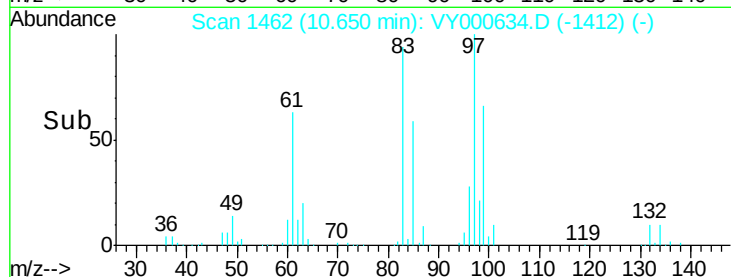
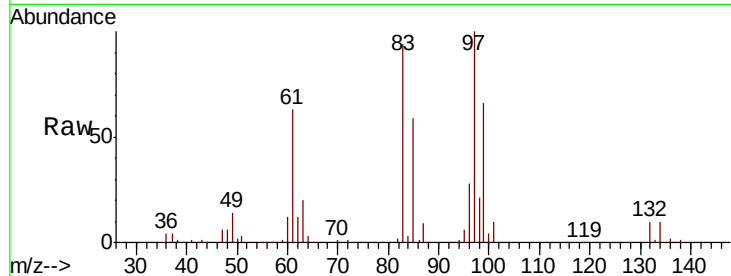
#55
 1,1,2-Trichloroethane
 Concen: 53.301 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	126309
Ion	Ratio	Lower	Upper
97	100		
83	93.8	70.2	105.4
85	59.5	46.9	70.3
99	66.0	52.6	78.8

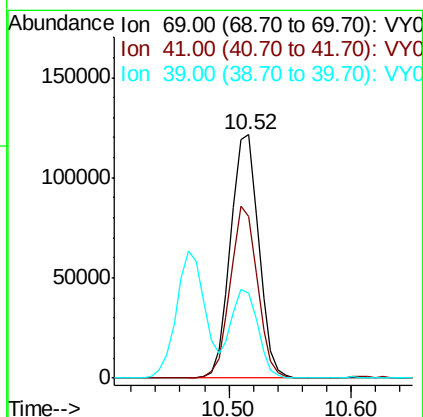
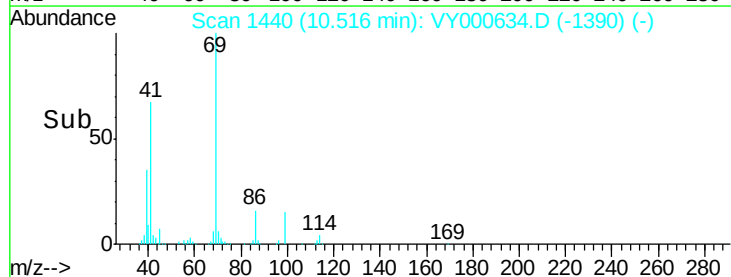
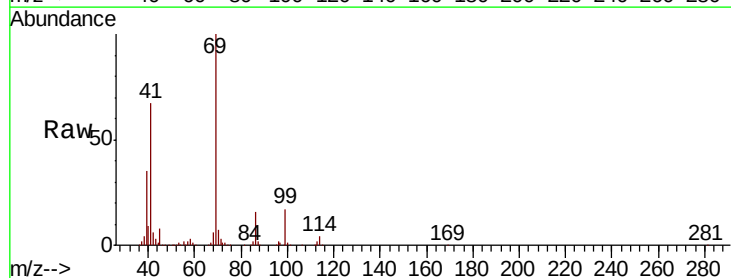
Manual Integrations
 APPROVED

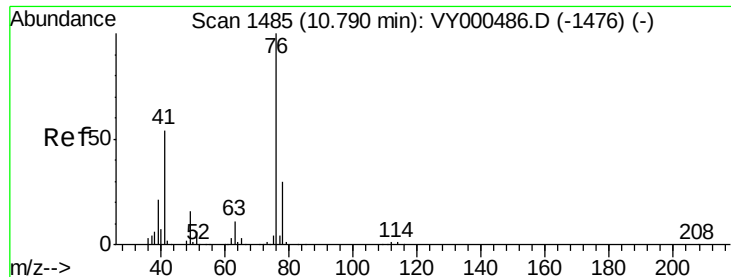
MMDadoda
 11/13/2019 11:06:00 AM



#56
 Ethyl methacrylate
 Concen: 57.502 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Tgt Ion:	69	Resp:	193131
Ion	Ratio	Lower	Upper
69	100		
41	67.4	53.3	79.9
39	35.4	28.0	42.0





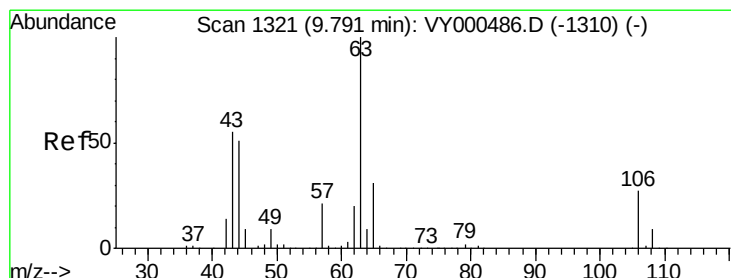
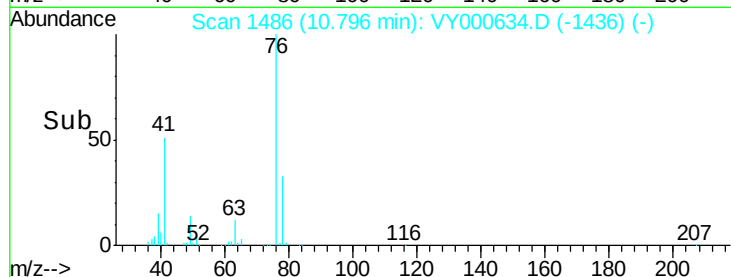
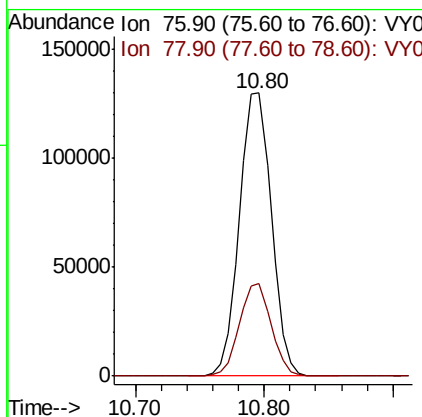
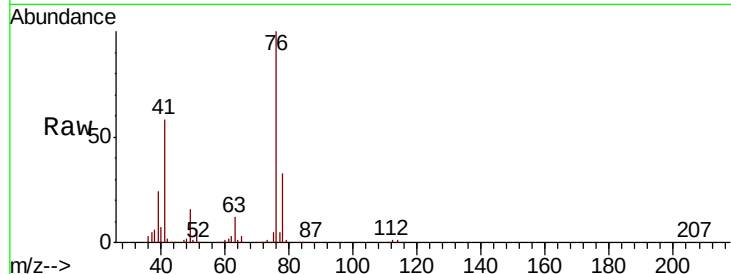
#57
 1,3-Dichloropropane
 Concen: 54.030 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 224091
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.2 37.8

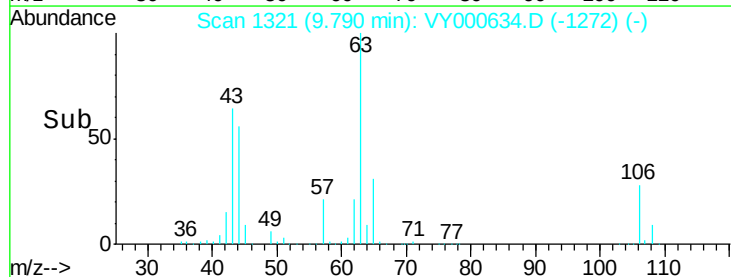
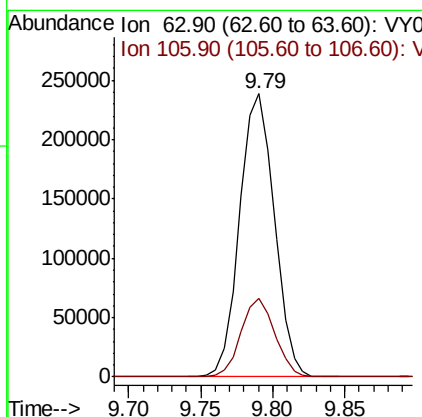
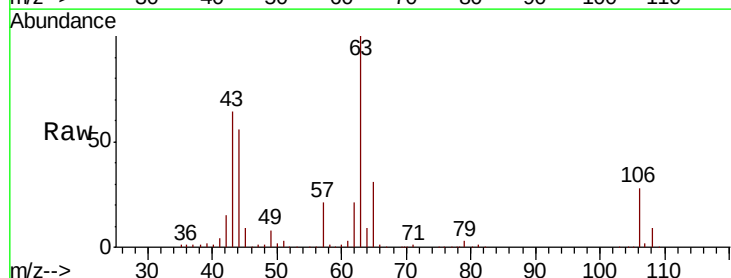
Manual Integrations
 APPROVED

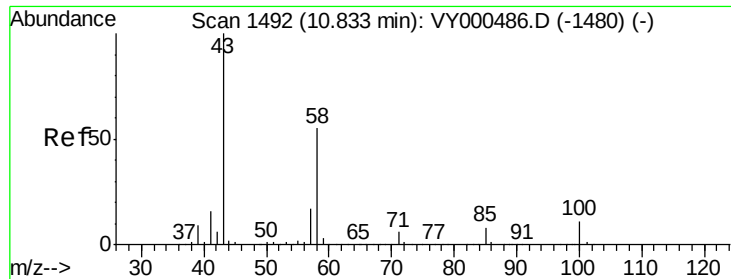
MMDadoda
 11/13/2019 11:06:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.964 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Tgt Ion: 63 Resp: 399291
 Ion Ratio Lower Upper
 63 100
 106 27.0 22.6 33.8





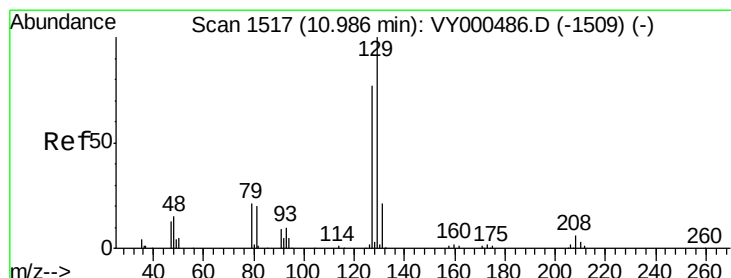
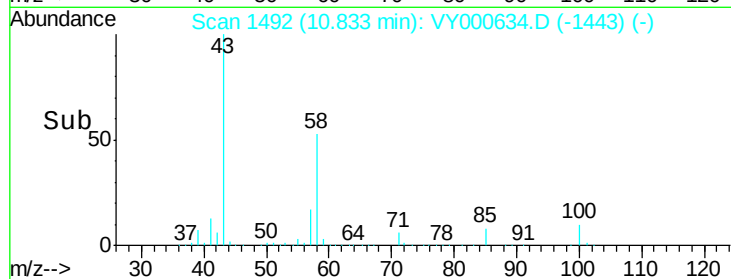
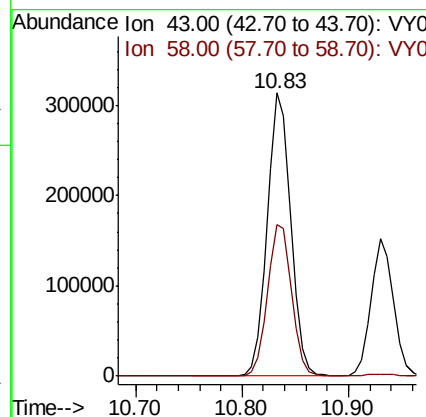
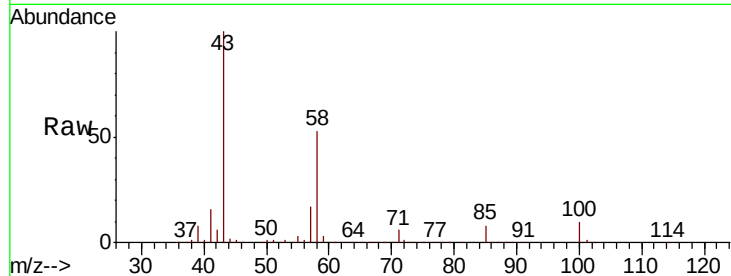
#59
2-Hexanone
Concen: 272.977 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 486909
Ion Ratio Lower Upper
43 100
58 54.8 27.1 81.3

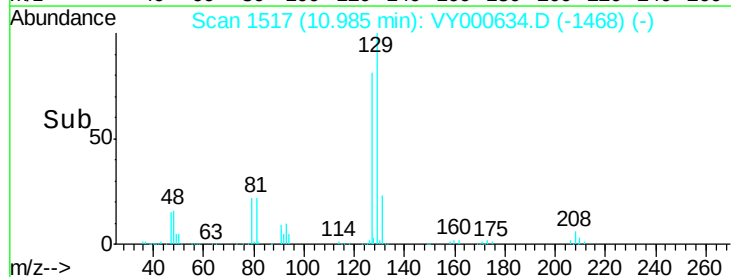
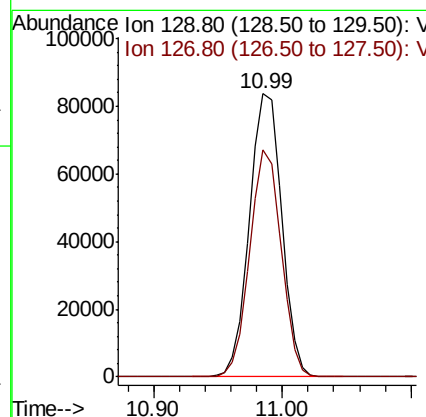
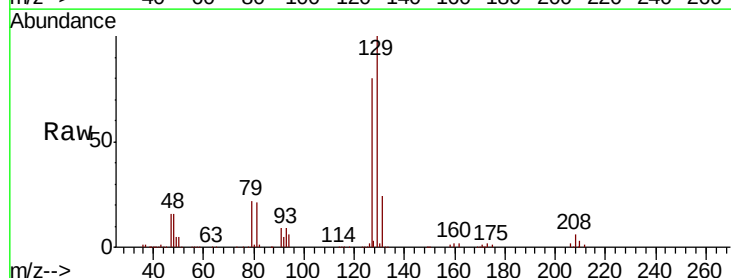
Manual Integrations
APPROVED

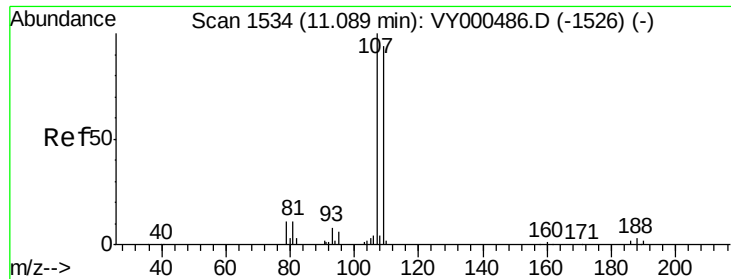
MMDadoda
11/13/2019 11:06:00 AM



#60
Dibromochloromethane
Concen: 53.324 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Tgt Ion: 129 Resp: 144740
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





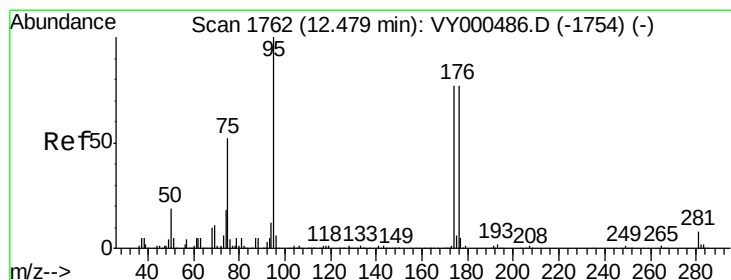
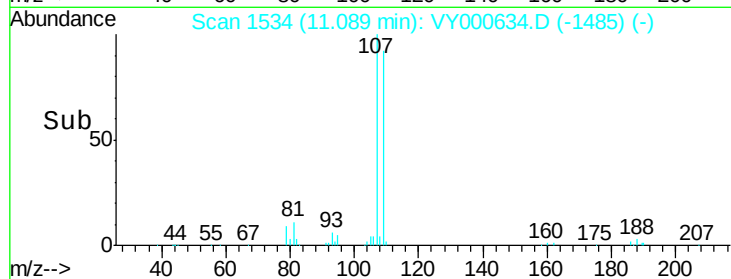
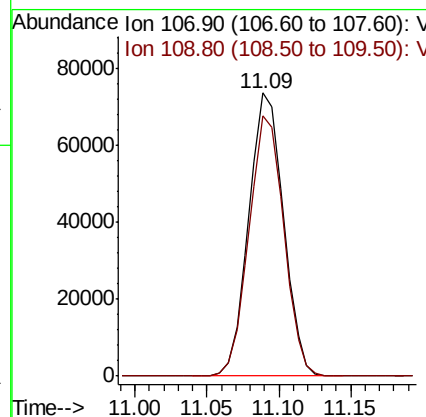
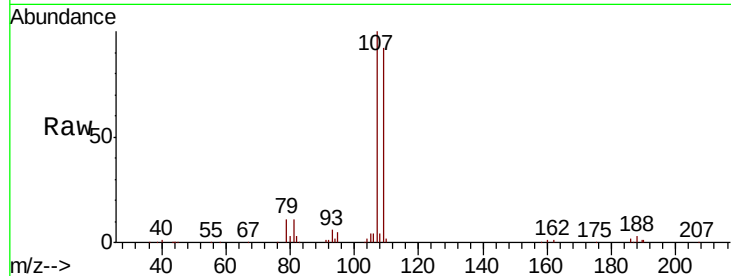
#61
 1,2-Dibromoethane
 Concen: 53.974 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	73.6	110.4

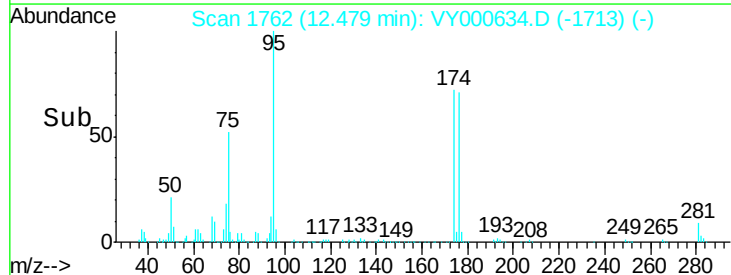
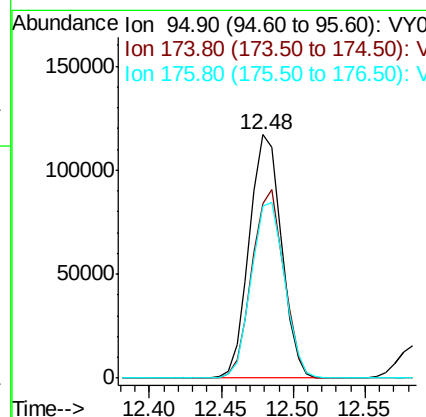
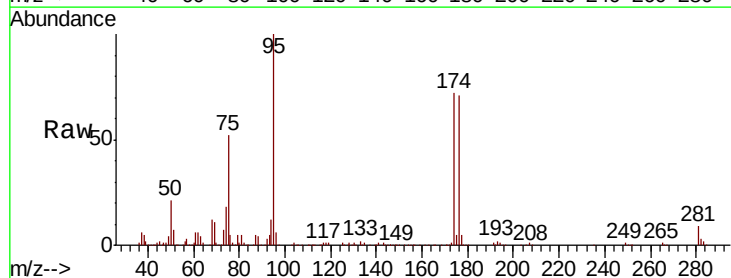
Manual Integrations
 APPROVED

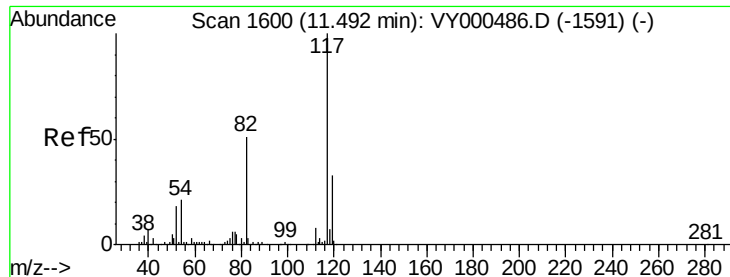
MMDadoda
 11/13/2019 11:06:00 AM



#62
 4-Bromofluorobenzene
 Concen: 48.837 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	161.6
176	74.6	0.0	157.8





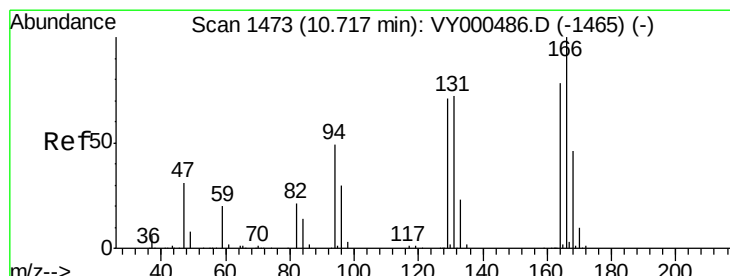
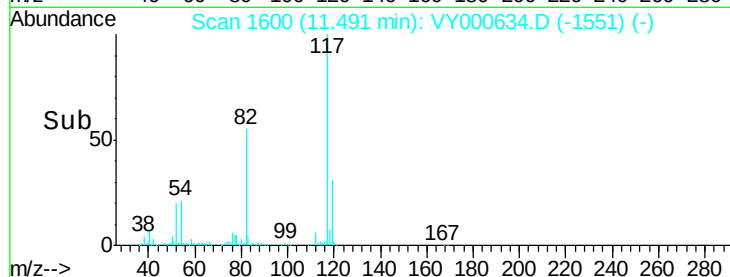
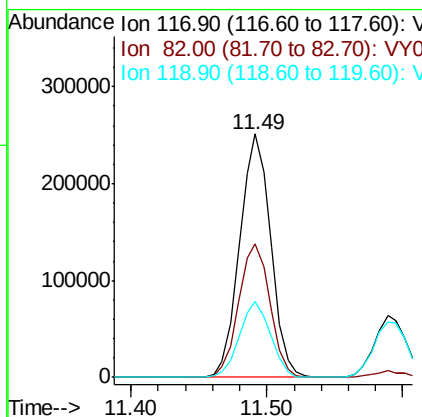
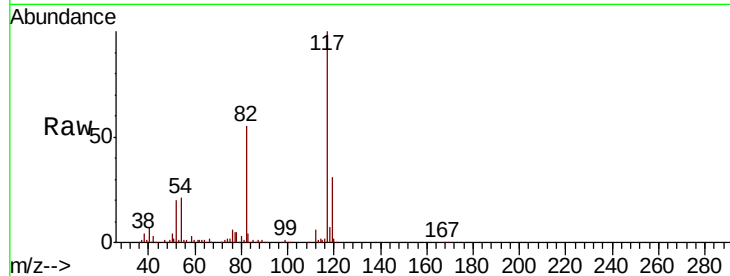
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	40.8	61.2
119	31.3	26.2	39.2

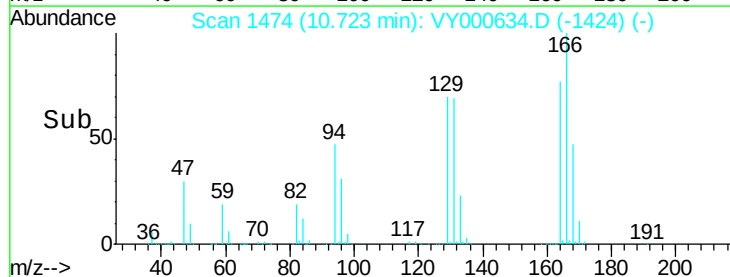
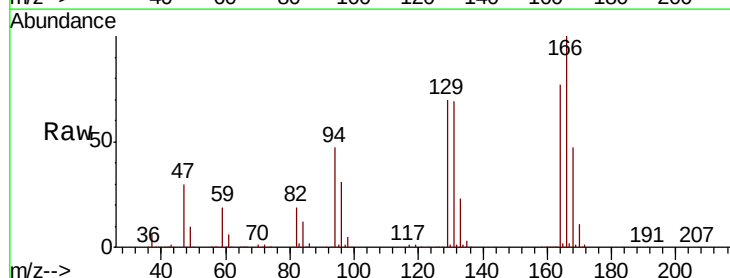
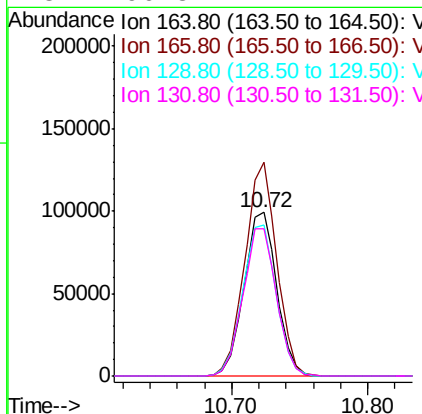
Manual Integrations
APPROVED

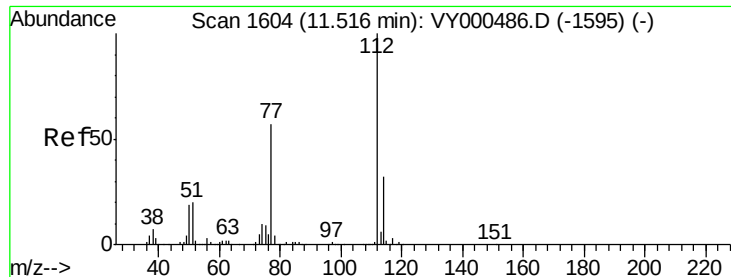
MMDadoda
11/13/2019 11:06:00 AM



#64
Tetrachloroethene
Concen: 50.537 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	102.7	154.1
129	92.1	73.2	109.8
131	90.3	74.2	111.2





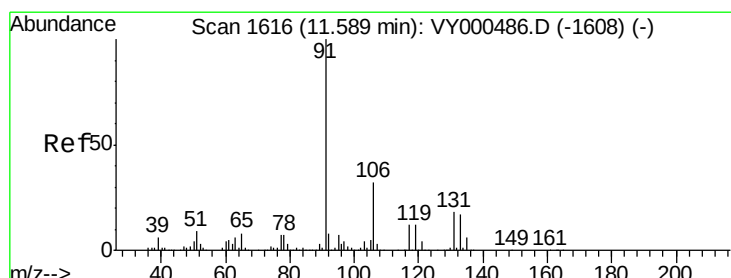
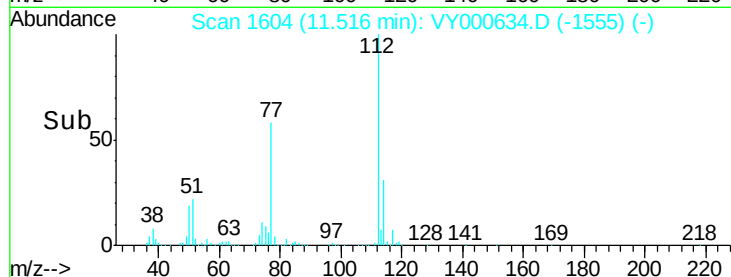
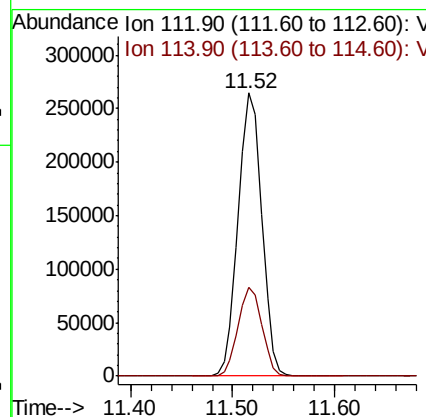
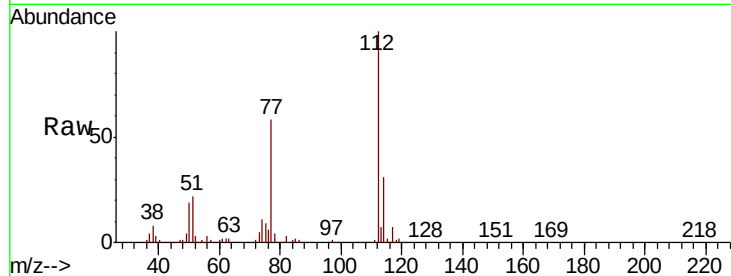
#65
Chlorobenzene
Concen: 52.141 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 422550
Ion Ratio Lower Upper
112 100
114 31.3 25.3 37.9

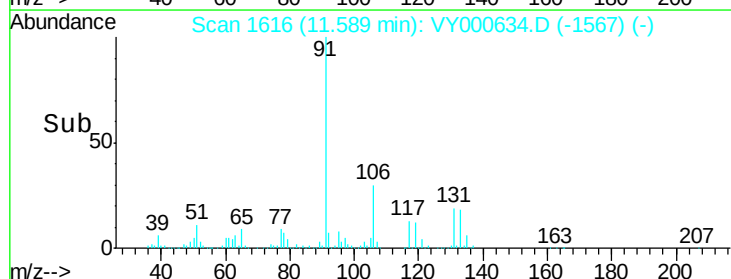
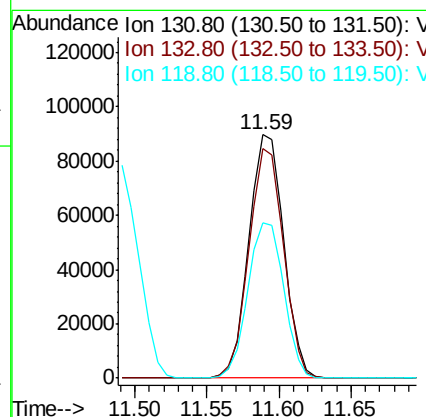
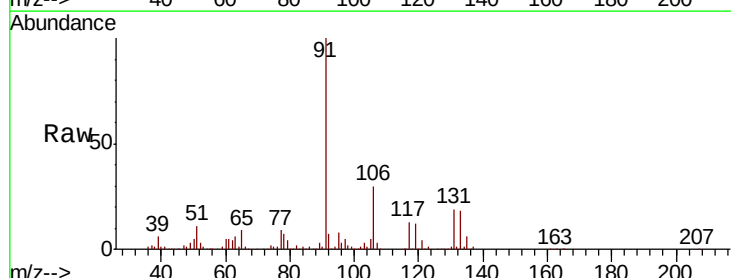
Manual Integrations
APPROVED

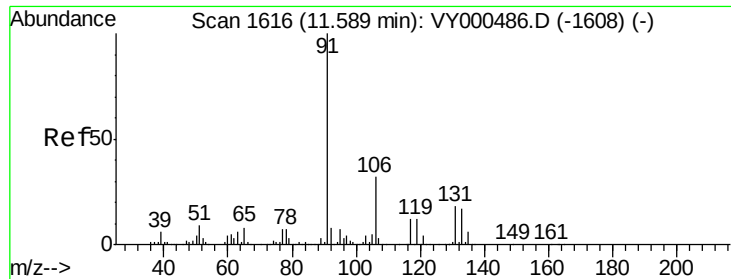
MMDadoda
11/13/2019 11:06:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.280 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Tgt Ion:131 Resp: 149750
Ion Ratio Lower Upper
131 100
133 93.7 47.9 143.8
119 65.8 33.1 99.3





#67

Ethyl Benzene

Concen: 52.597 ug/l

RT: 11.59 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 784487

Ion Ratio Lower Upper

91 100

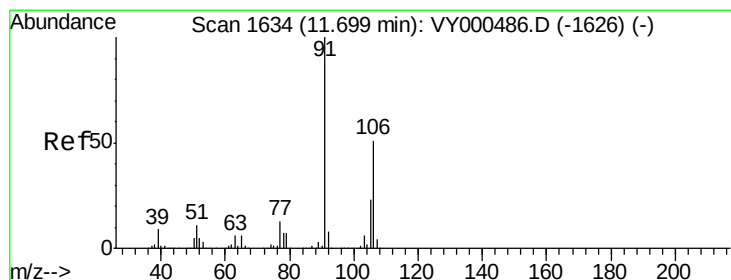
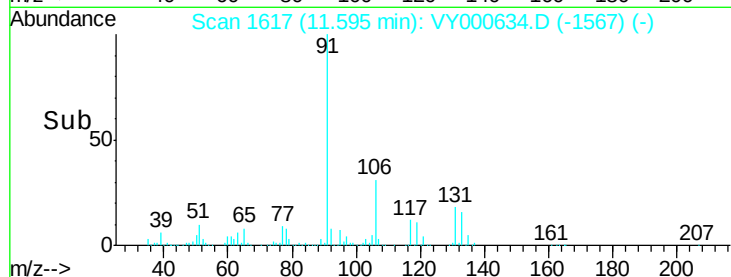
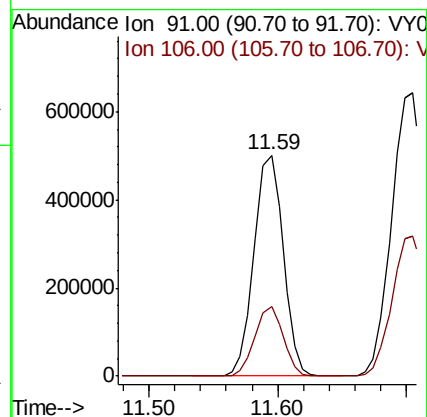
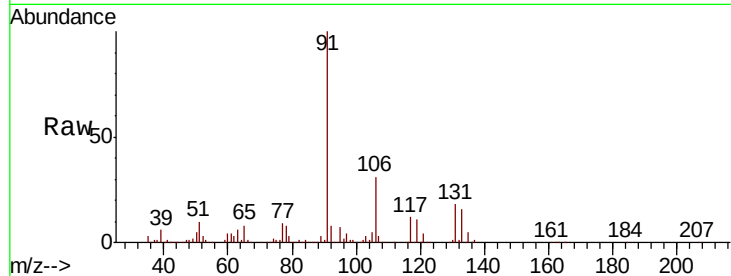
106 31.4 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

11/13/2019 11:06:00 AM



#68

m/p-Xylenes

Concen: 102.851 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY000634.D

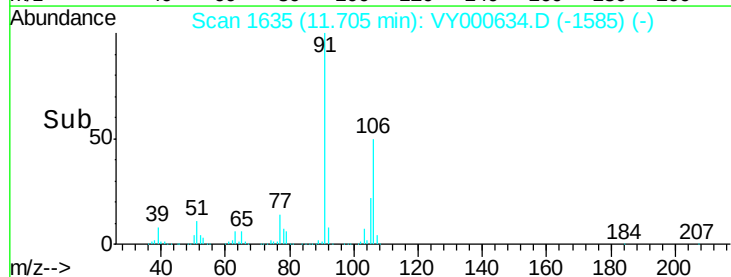
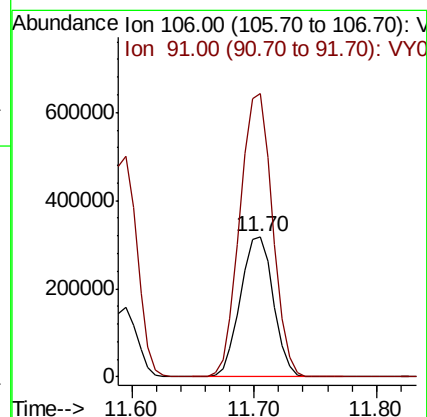
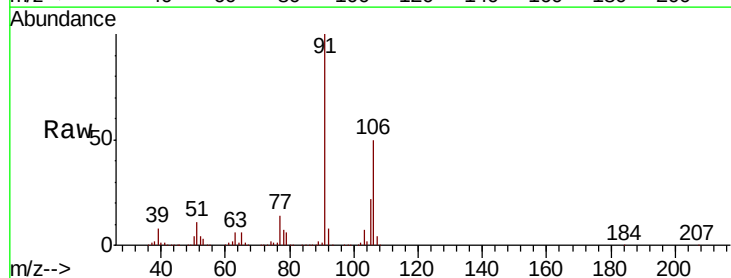
Acq: 08 Nov 2019 21:29

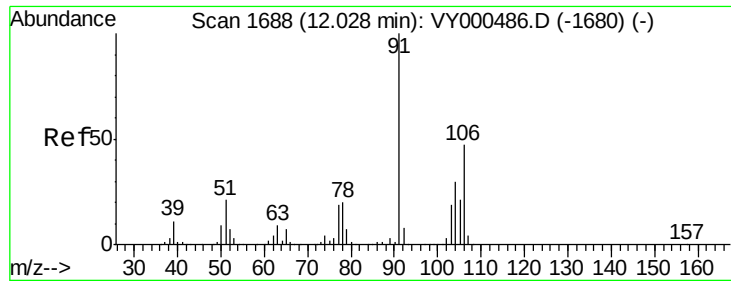
Tgt Ion: 106 Resp: 593729

Ion Ratio Lower Upper

106 100

91 199.9 155.9 233.9





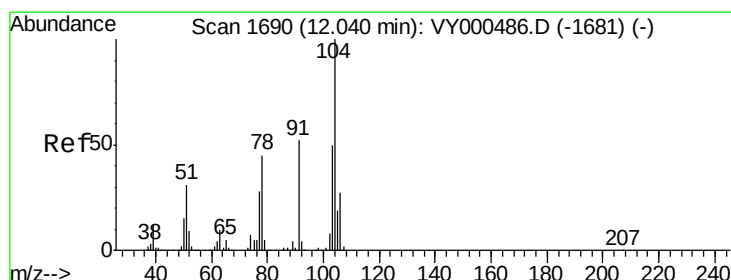
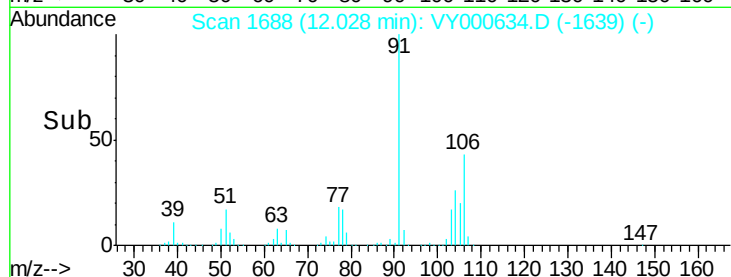
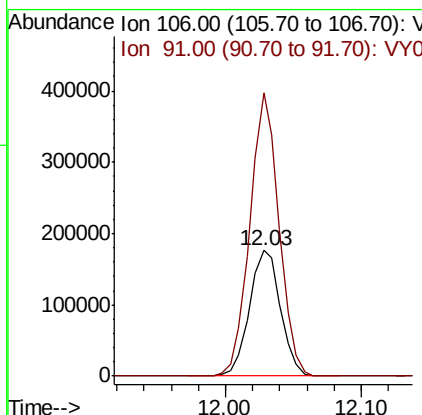
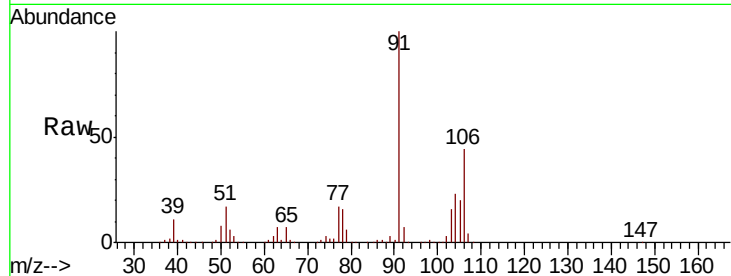
#69
o-Xylene
Concen: 51.754 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 280786
Ion Ratio Lower Upper
106 100
91 211.7 106.5 319.6

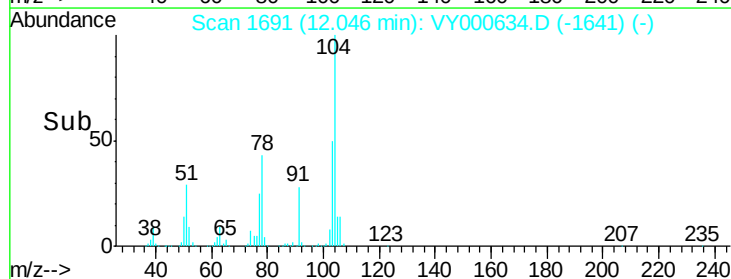
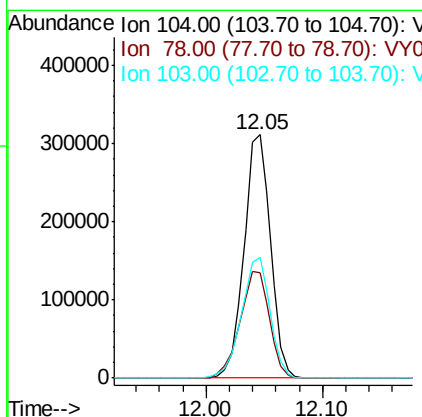
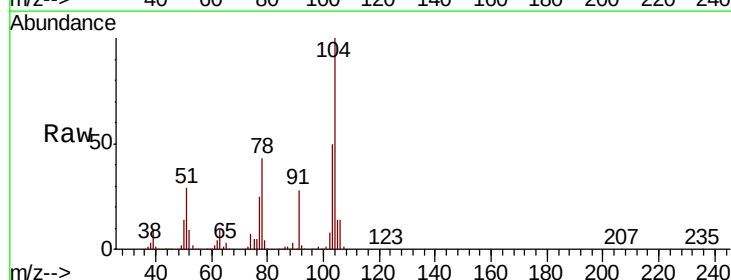
Manual Integrations
APPROVED

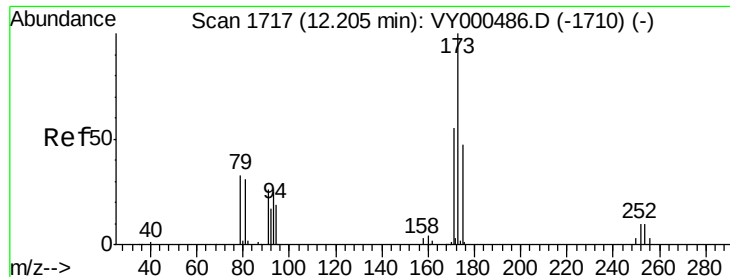
MMDadoda
11/13/2019 11:06:00 AM



#70
Styrene
Concen: 53.165 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Tgt Ion:104 Resp: 493910
Ion Ratio Lower Upper
104 100
78 48.6 39.0 58.4
103 53.3 42.5 63.7





#71

Bromoform

Concen: 54.492 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 88091

Ion Ratio Lower Upper

173 100

175 48.1 24.4 73.2

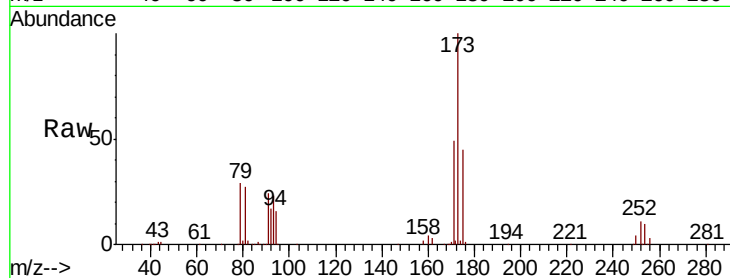
254 0.1 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

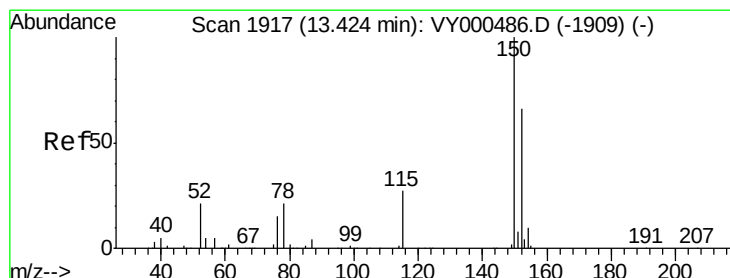
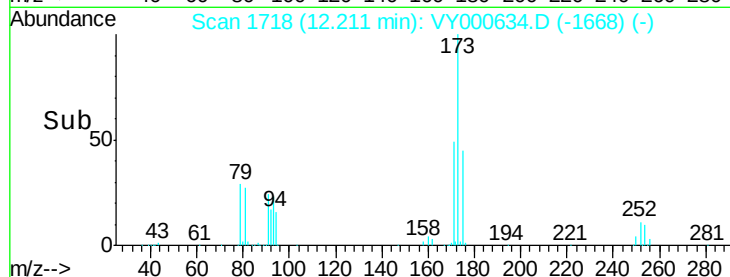
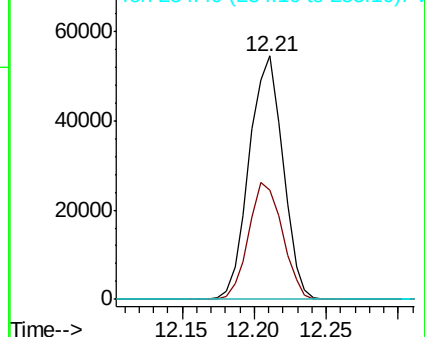
11/13/2019 11:06:00 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

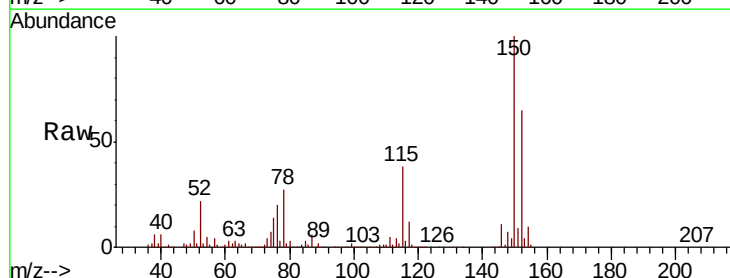
Tgt Ion:152 Resp: 195984

Ion Ratio Lower Upper

152 100

115 59.0 29.1 87.4

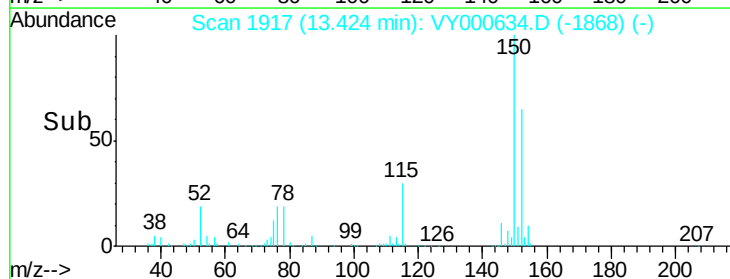
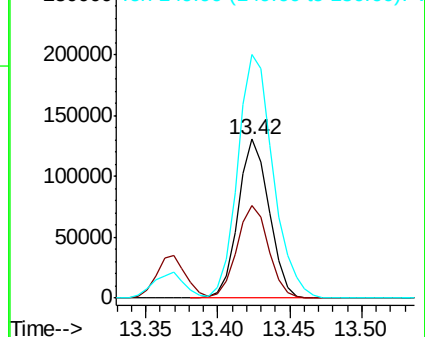
150 173.3 0.0 348.8

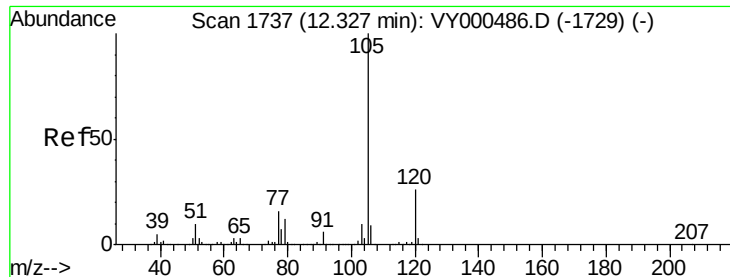


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.759 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 749720

Ion Ratio Lower Upper

105 100

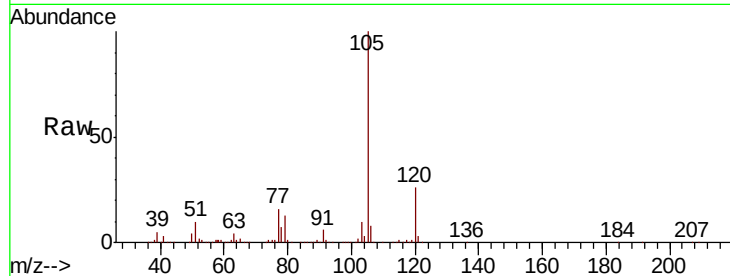
120 26.7 13.5 40.4

Manual Integrations

APPROVED

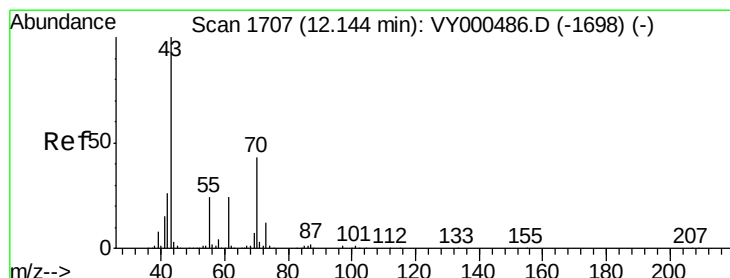
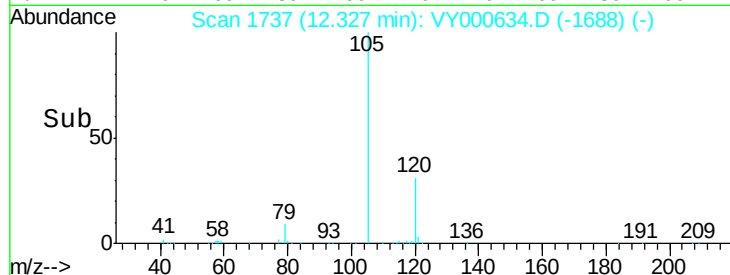
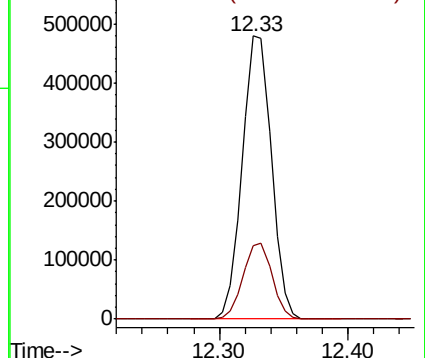
MMDadoda

11/13/2019 11:06:00 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.304 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Tgt Ion: 43 Resp: 237719

Ion Ratio Lower Upper

43 100

70 41.5 33.1 49.7

55 22.7 18.0 27.0

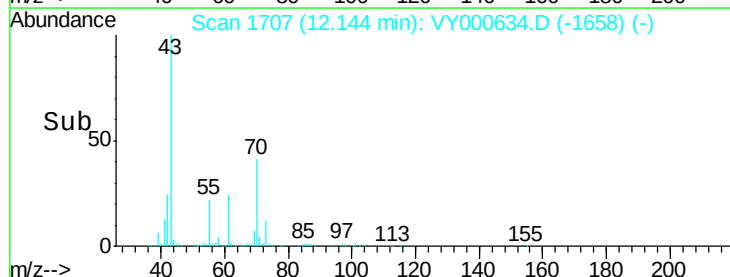
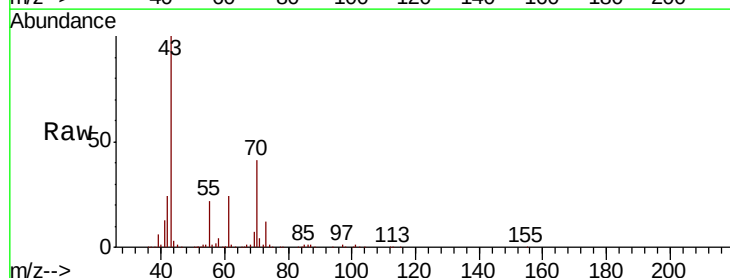
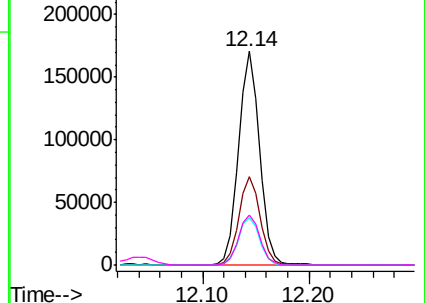
61 23.9 19.1 28.7

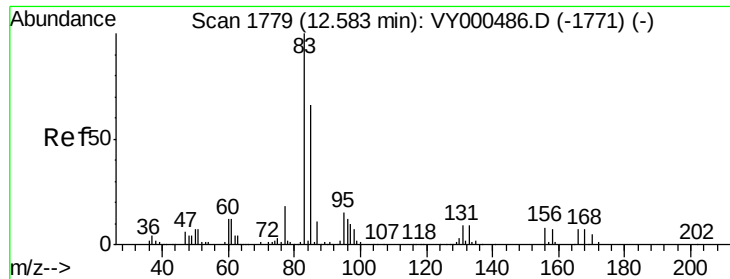
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 54.682 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Instrument :

MSVOA_Y

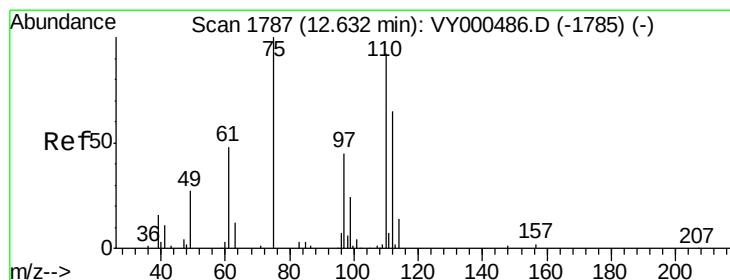
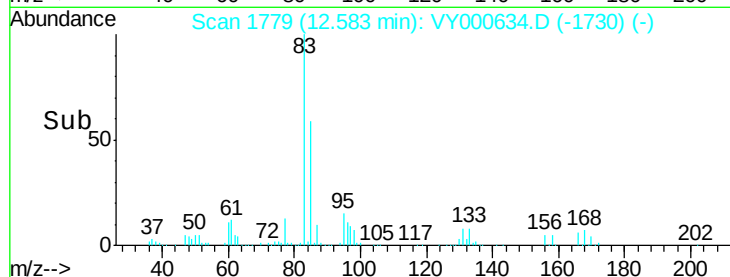
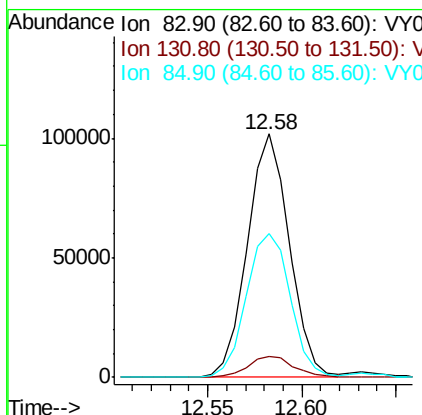
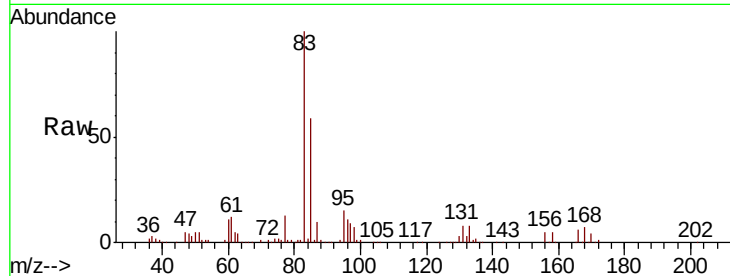
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	156828
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.0	14.9
85	62.2	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:00 AM



#76

1,2,3-Trichloropropane

Concen: 53.638 ug/l m

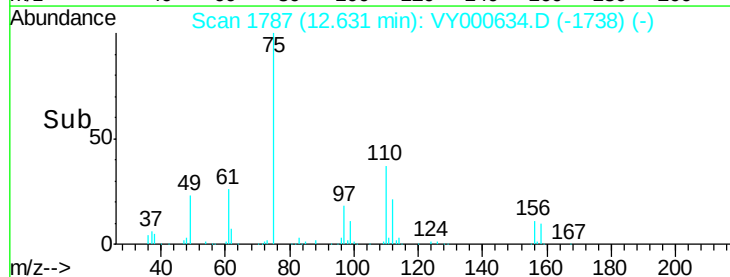
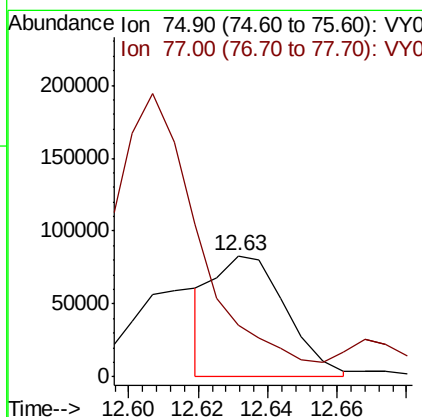
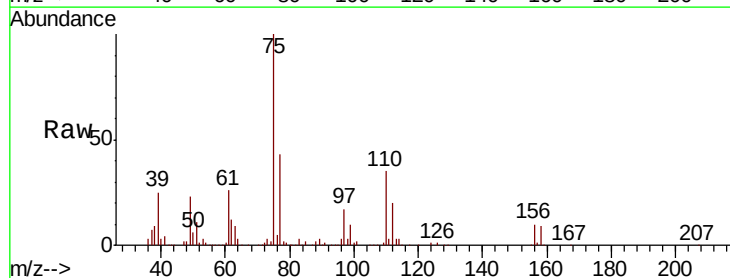
RT: 12.63 min Scan# 1787

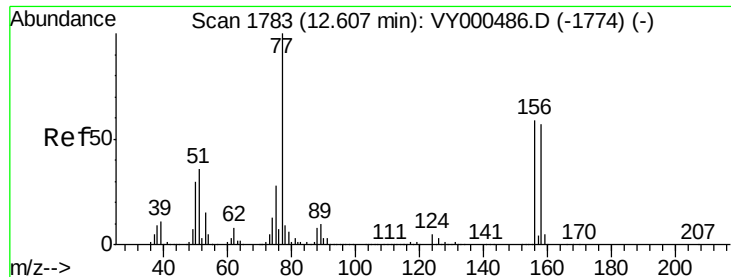
Delta R.T. -0.00 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Tgt Ion:	75	Resp:	119696
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.907 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Instrument :

MSVOA_Y

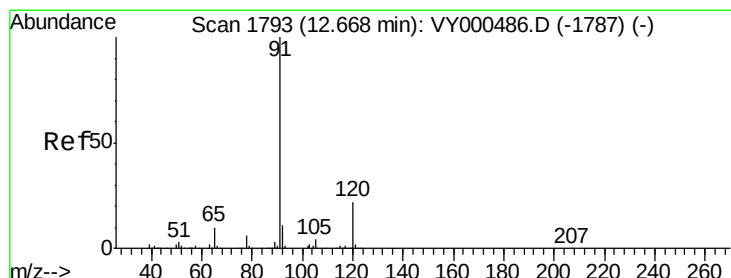
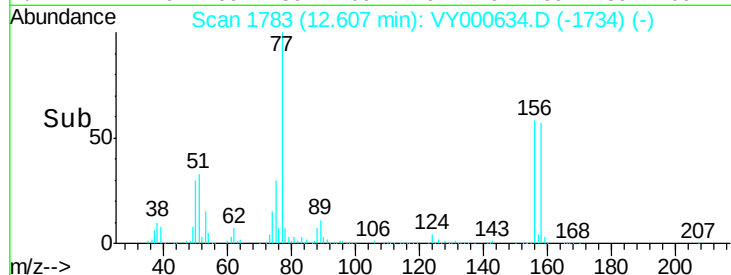
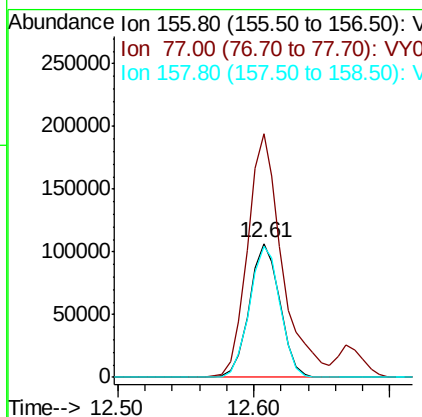
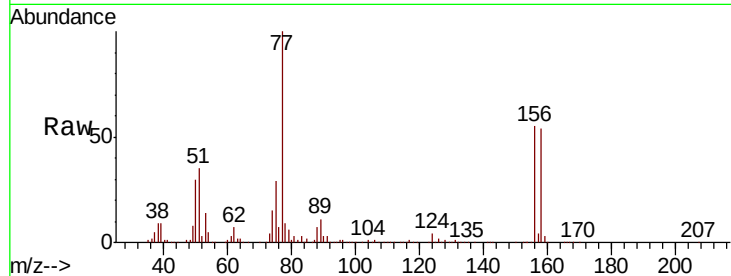
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	167215
Ion Ratio	Lower	Upper	
156	100		
77	206.9	98.2	294.4
158	98.5	49.6	149.0

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:00 AM



#78

n-propylbenzene

Concen: 52.325 ug/l

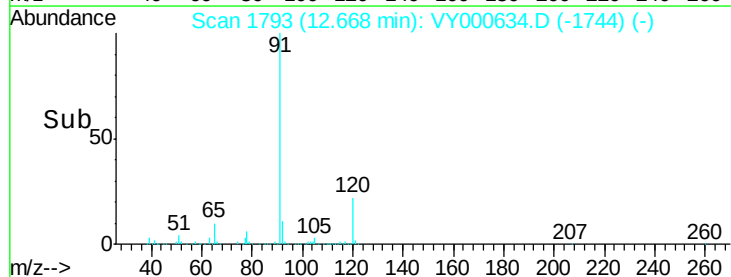
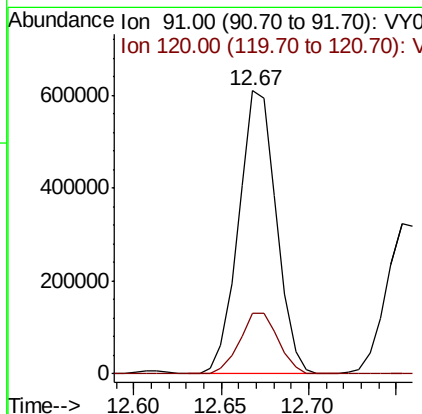
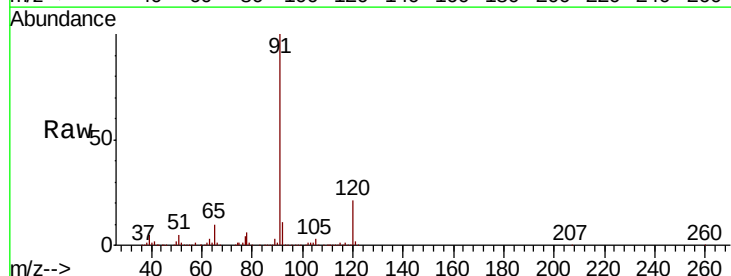
RT: 12.67 min Scan# 1793

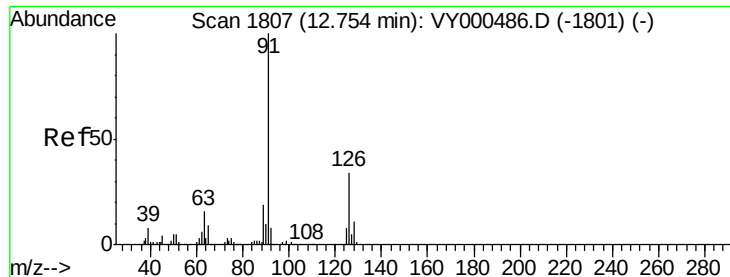
Delta R.T. -0.00 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Tgt Ion:	91	Resp:	914490
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.4	34.1





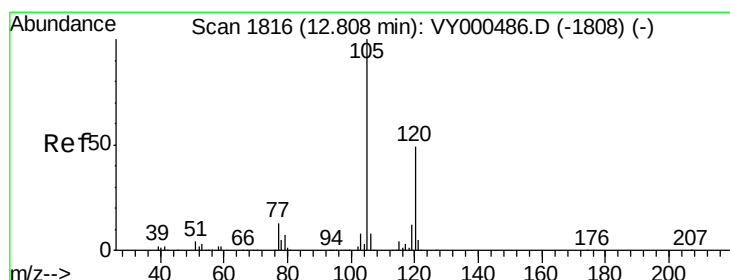
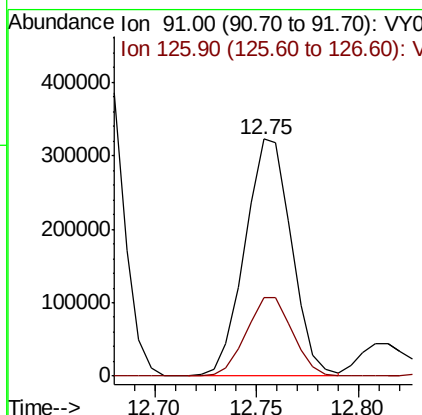
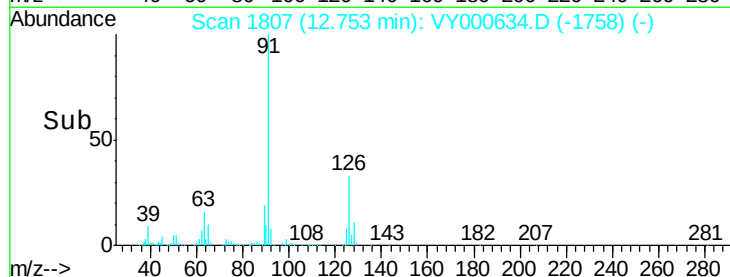
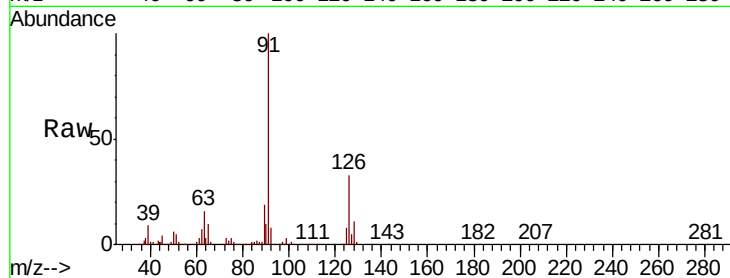
#79
 2-Chlorotoluene
 Concen: 52.916 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 513415
 Ion Ratio Lower Upper
 91 100
 126 33.2 17.7 53.1

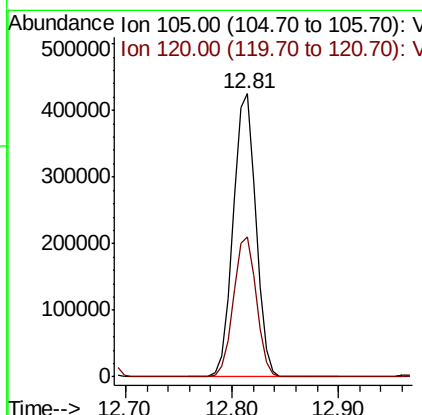
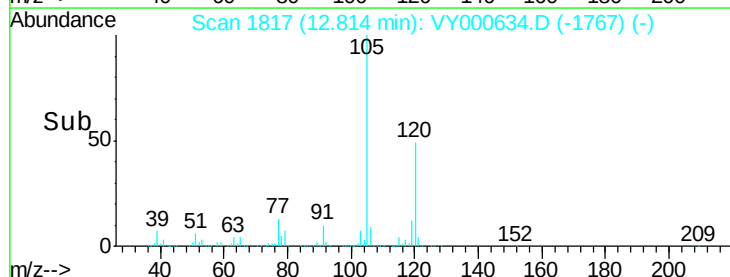
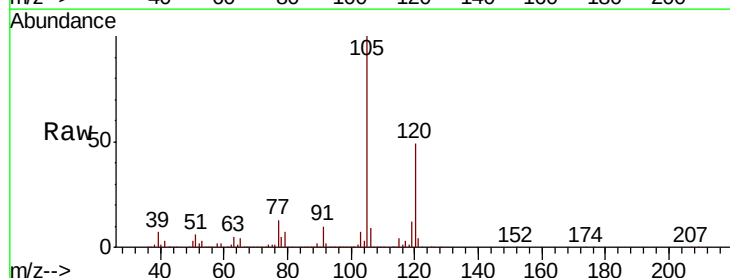
Manual Integrations
 APPROVED

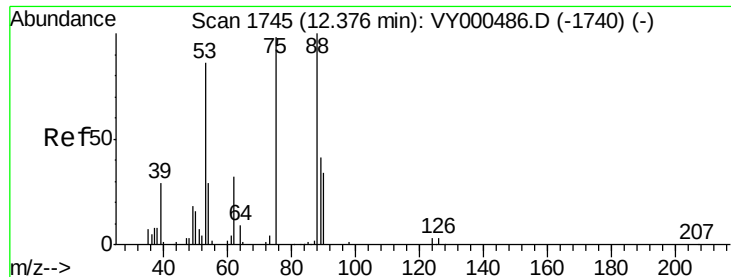
MMDadoda
 11/13/2019 11:06:00 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.803 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. 0.01 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Tgt Ion: 105 Resp: 636999
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 54.603 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 54345

Ion Ratio Lower Upper

75 100

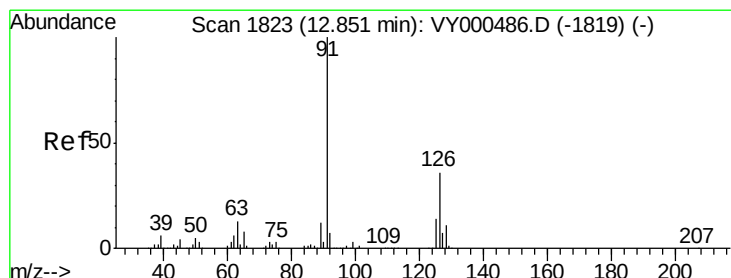
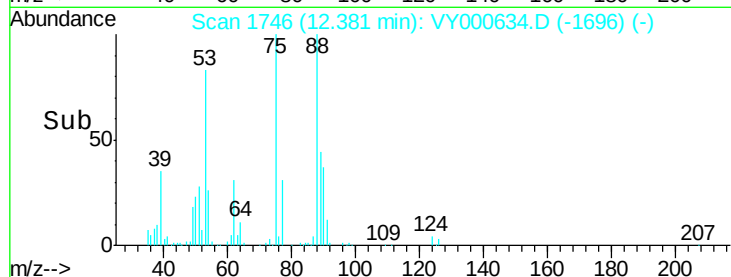
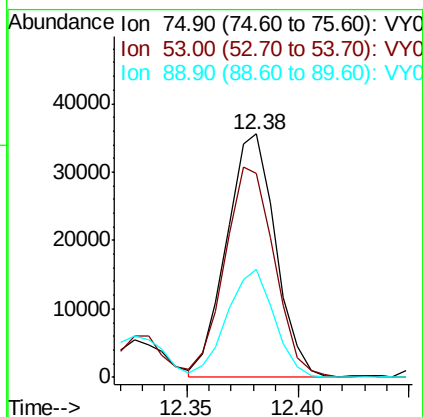
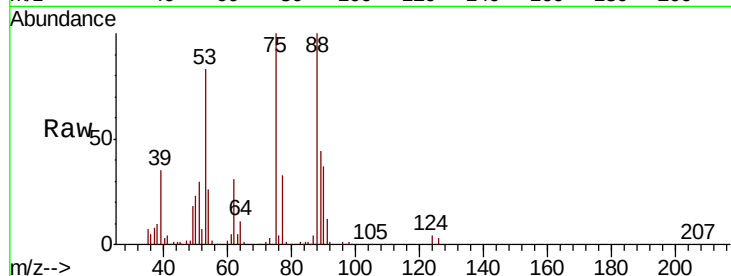
53 87.4 73.2 109.8

89 42.9 35.9 53.9

Manual Integrations
APPROVED

MMDadoda

11/13/2019 11:06:00 AM



#82

4-Chlorotoluene

Concen: 54.443 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY000634.D

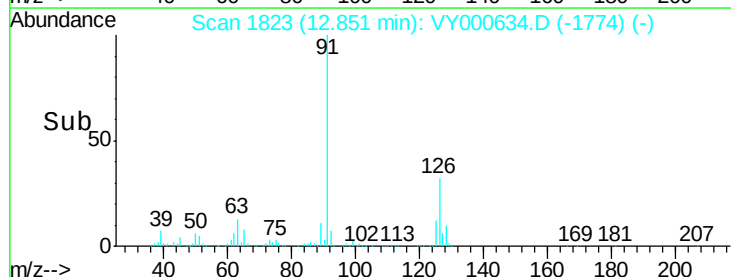
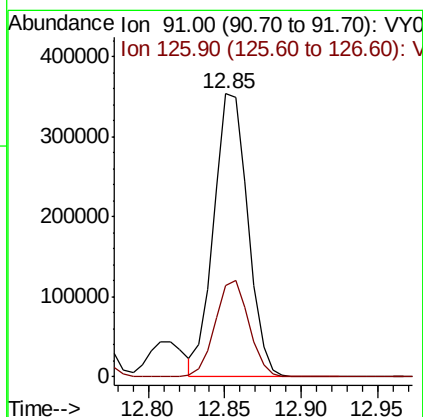
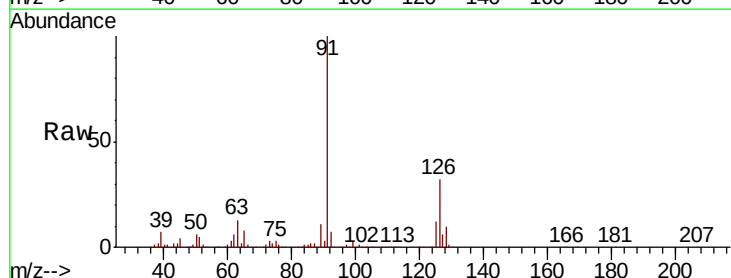
Acq: 08 Nov 2019 21:29

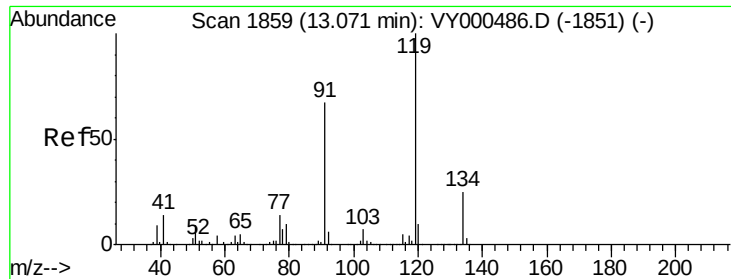
Tgt Ion: 91 Resp: 547553

Ion Ratio Lower Upper

91 100

126 33.8 17.6 52.9





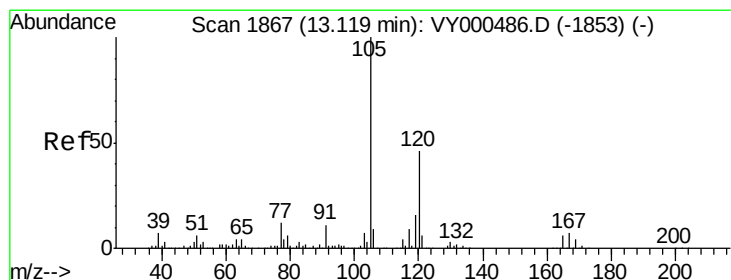
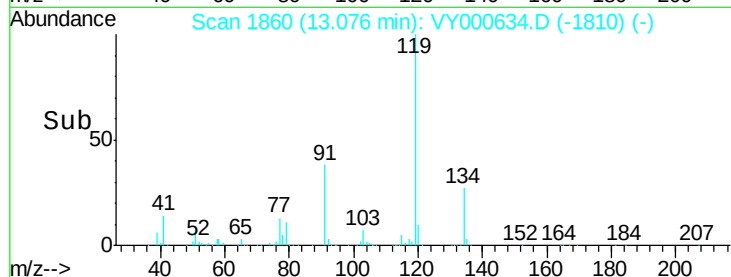
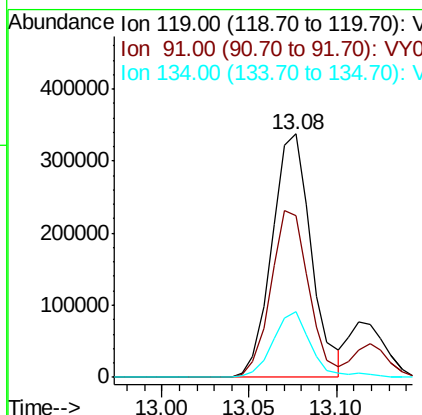
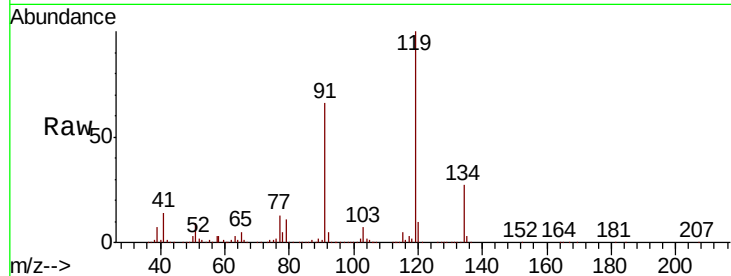
#83
 tert-Butylbenzene
 Concen: 51.287 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	32.1	96.3
134	26.4	13.2	39.5

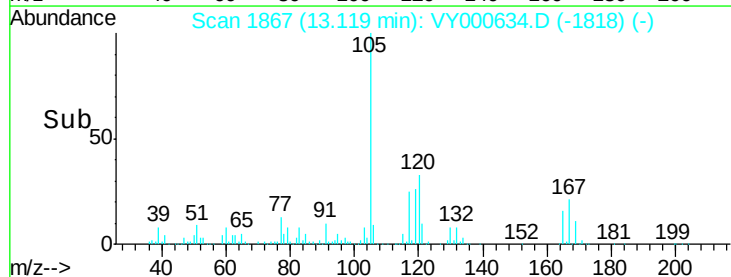
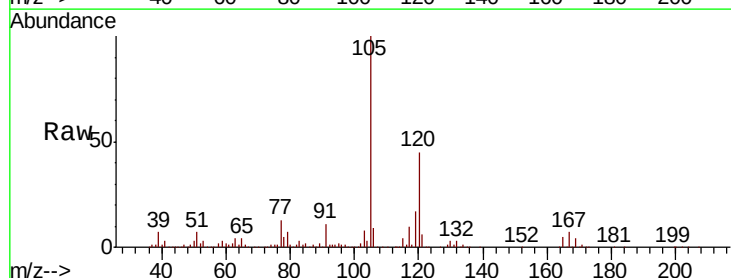
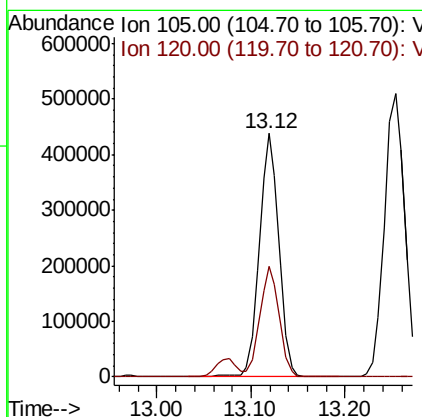
Manual Integrations
 APPROVED

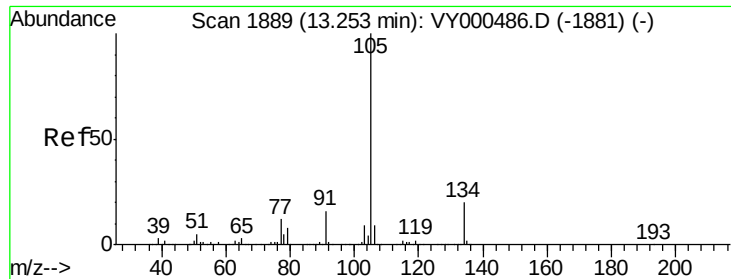
MMDadoda
 11/13/2019 11:06:00 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.372 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	23.3	69.9





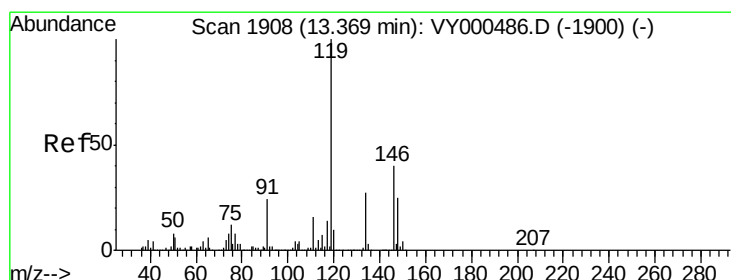
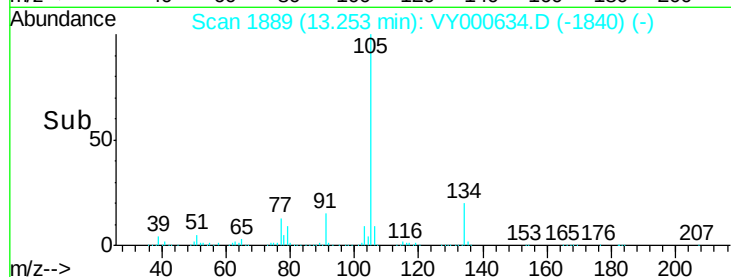
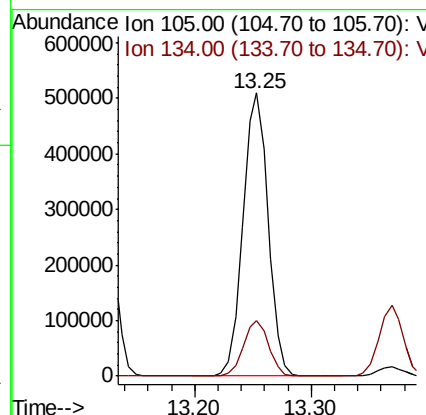
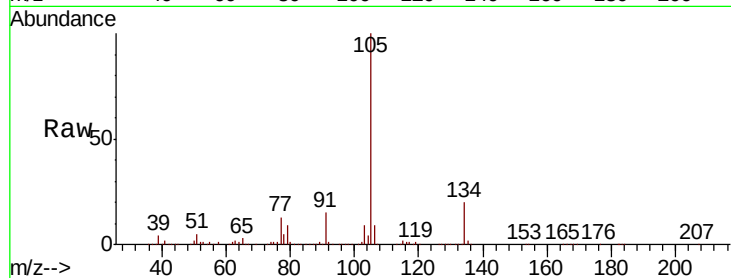
#85
 sec-Butylbenzene
 Concen: 52.125 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.1	30.1

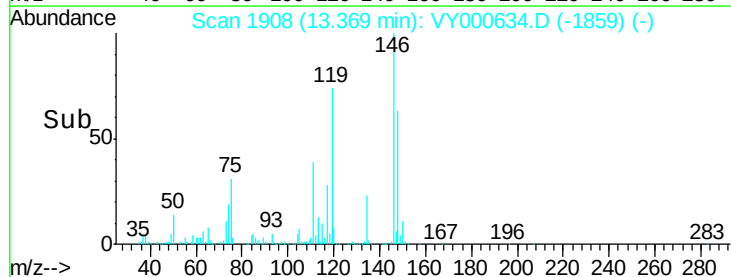
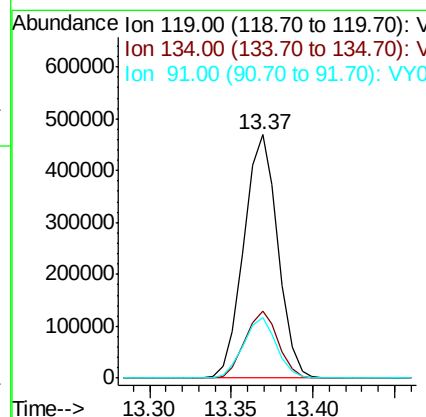
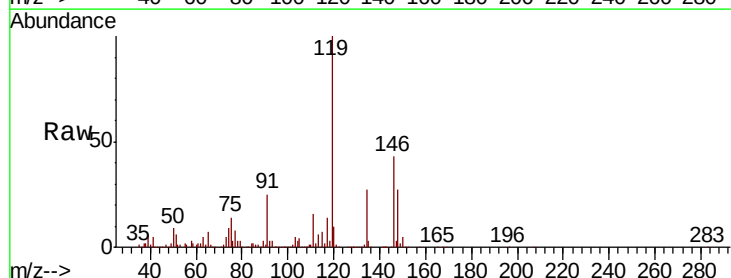
Manual Integrations
 APPROVED

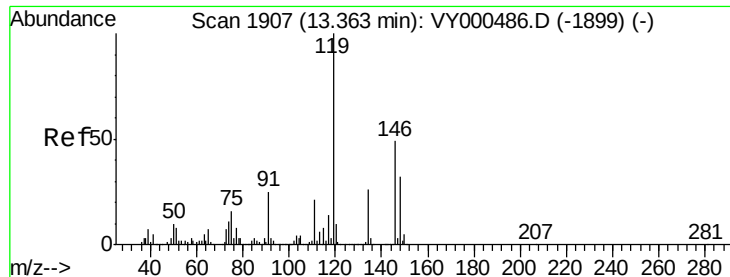
MMDadoda
 11/13/2019 11:06:00 AM



#86
 p-Isopropyltoluene
 Concen: 52.079 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.8
91	24.0	12.0	36.1





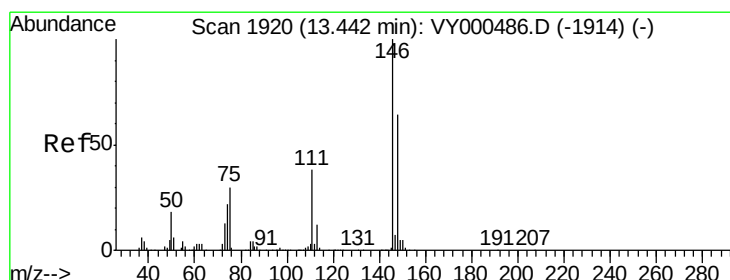
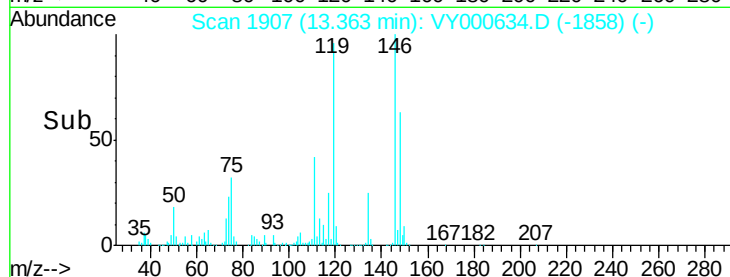
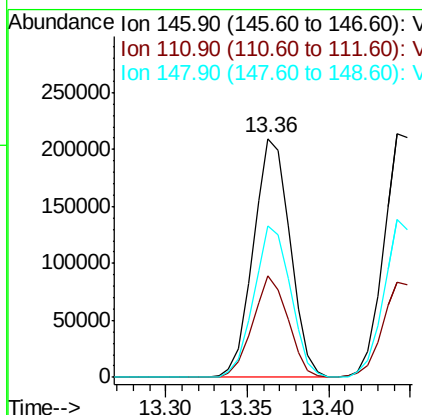
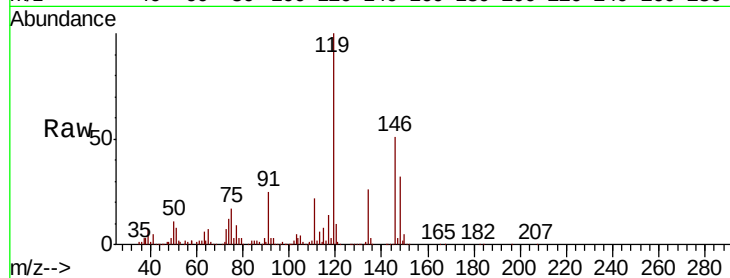
#87
 1,3-Dichlorobenzene
 Concen: 51.067 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.8
148	63.2	31.5	94.5

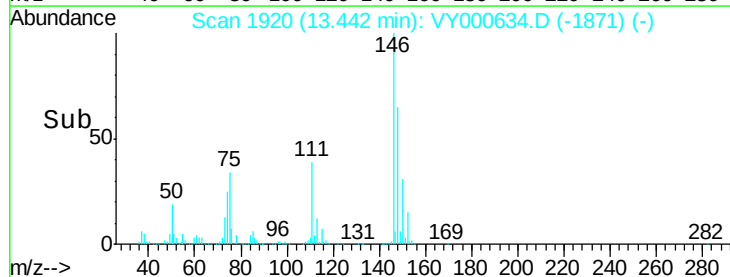
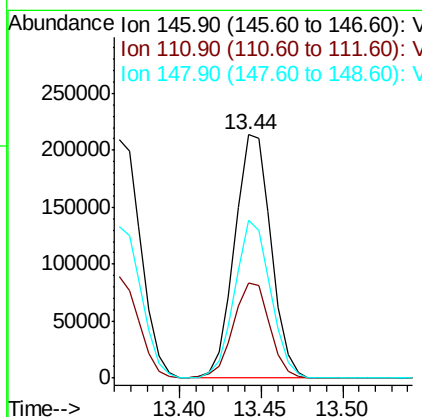
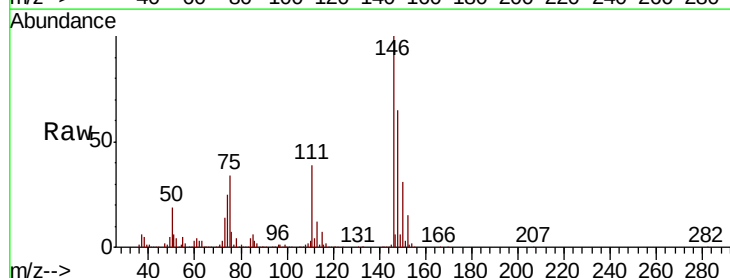
Manual Integrations
 APPROVED

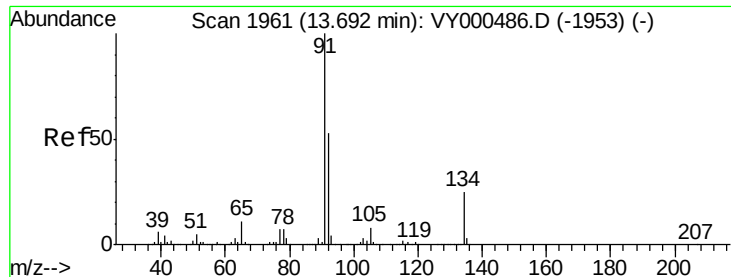
MMDadoda
 11/13/2019 11:06:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.657 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	63.6	31.9	95.7





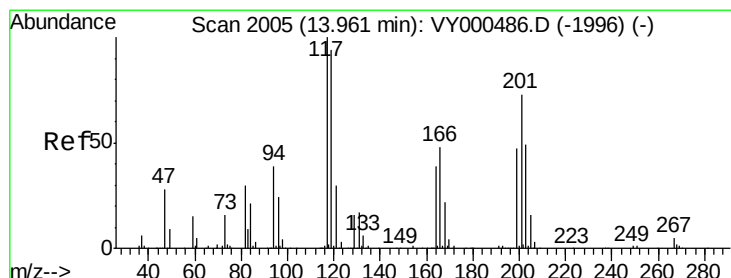
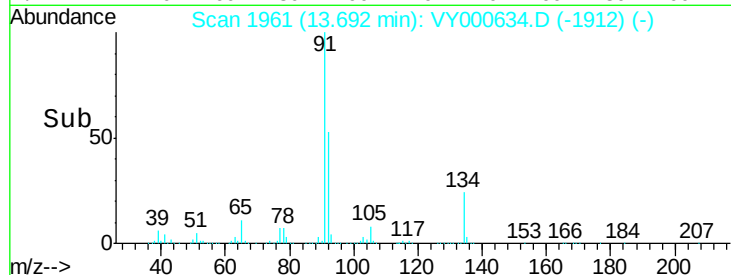
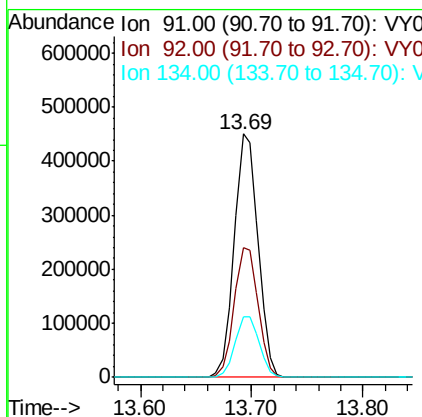
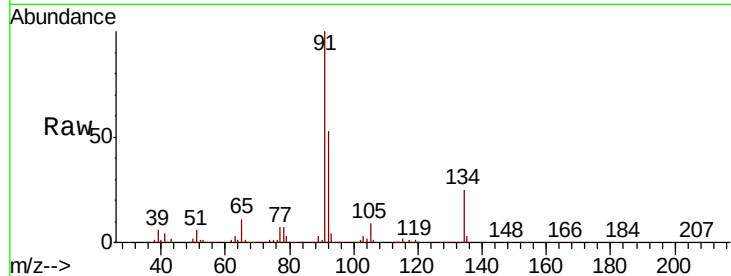
#89
n-Butylbenzene
Concen: 51.605 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.3
134	25.4	12.9	38.7

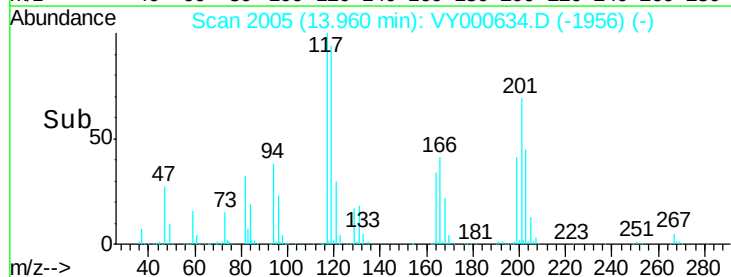
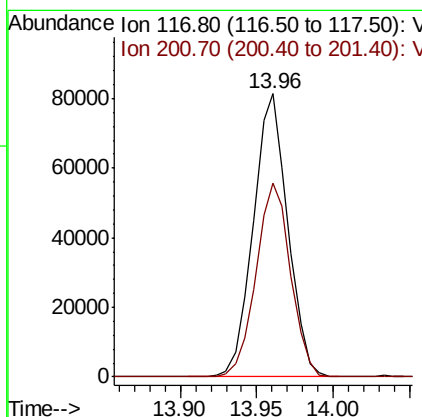
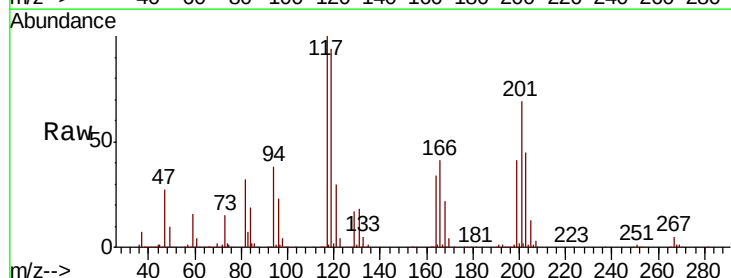
Manual Integrations
APPROVED

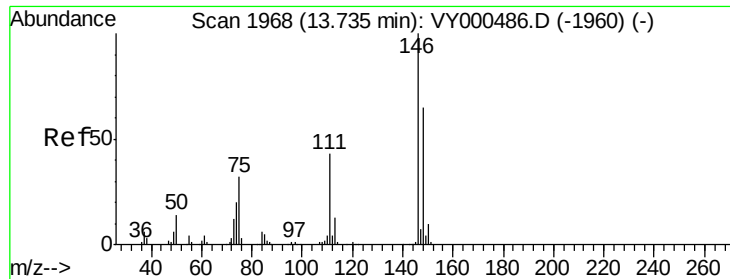
MMDadoda
11/13/2019 11:06:00 AM



#90
Hexachloroethane
Concen: 52.581 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000634.D
Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.6	35.8	107.3





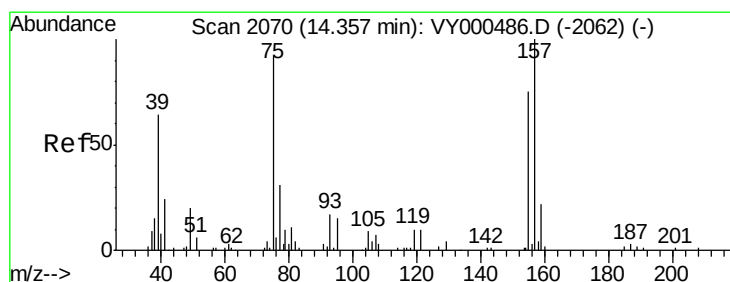
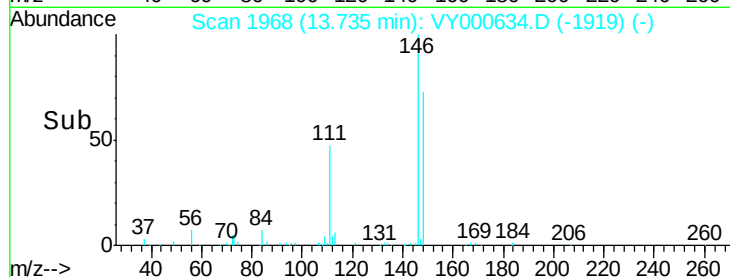
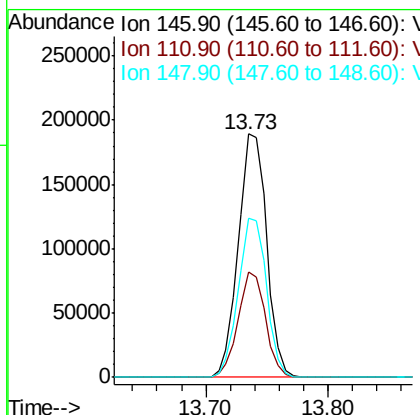
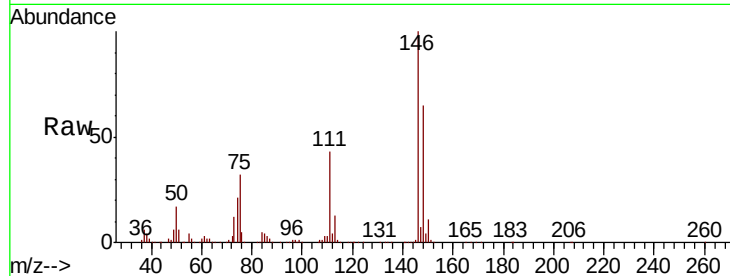
#91
 1,2-Dichlorobenzene
 Concen: 51.955 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.5	61.5
148	65.0	31.7	95.1

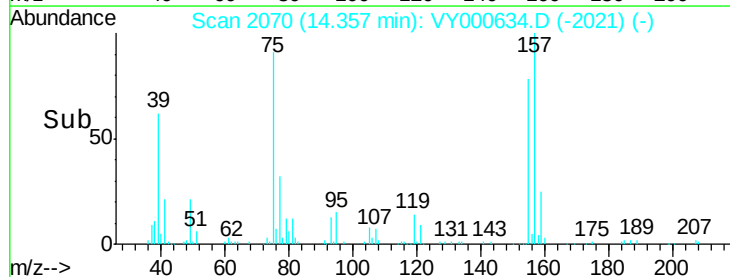
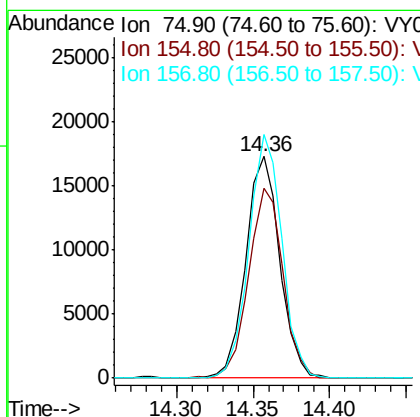
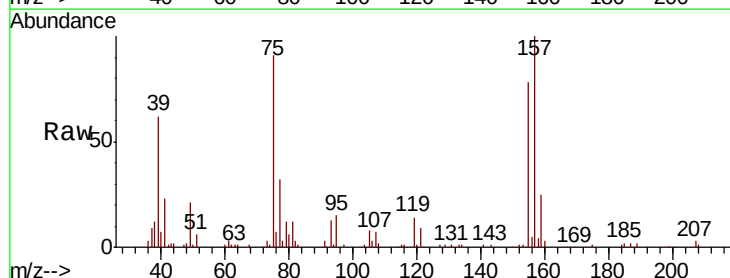
Manual Integrations
 APPROVED

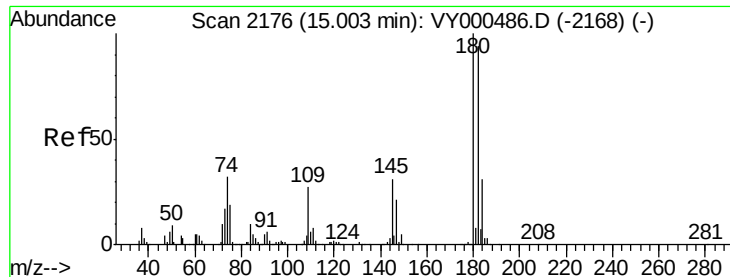
MMDadoda
 11/13/2019 11:06:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.637 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.4	42.4	127.1
157	106.8	55.1	165.3





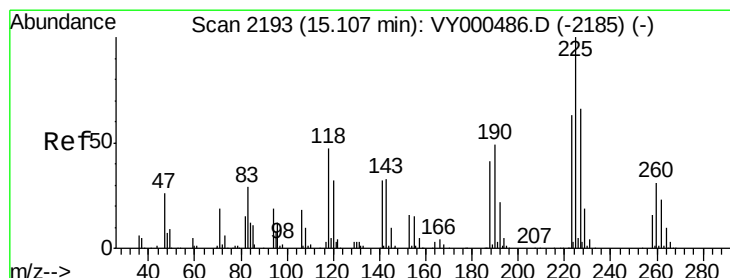
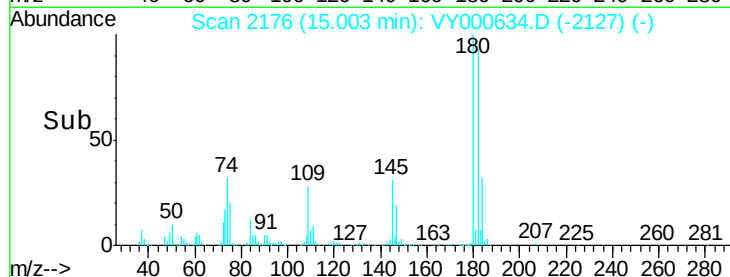
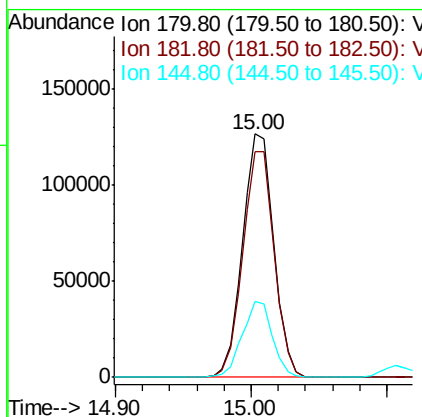
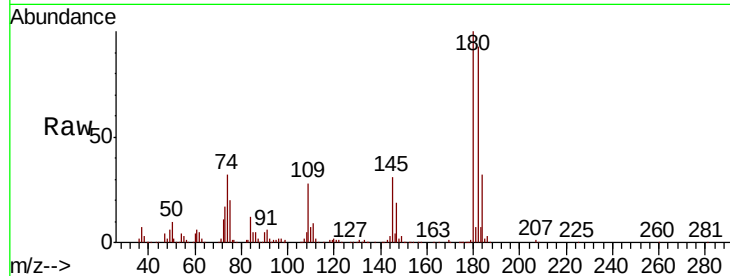
#93
 1,2,4-Trichlorobenzene
 Concen: 51.073 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.8	143.4
145	30.2	16.0	47.9

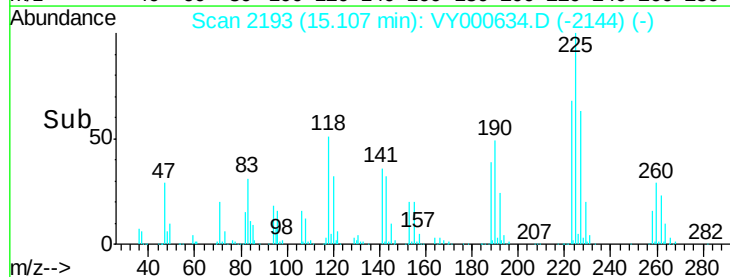
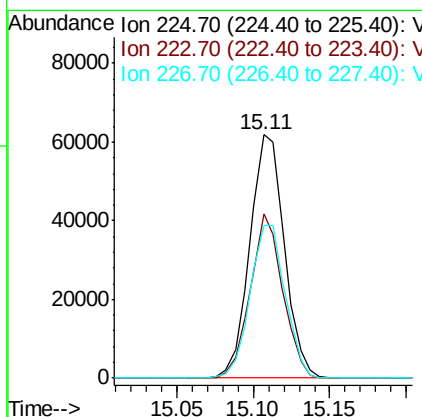
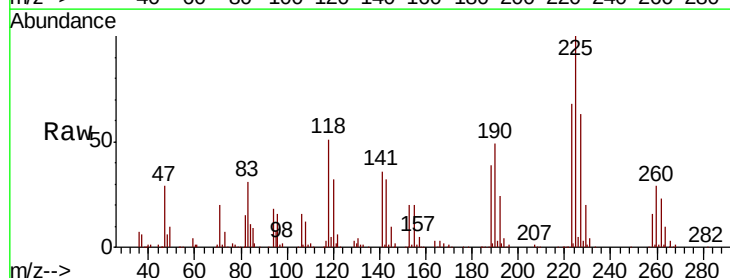
Manual Integrations
 APPROVED

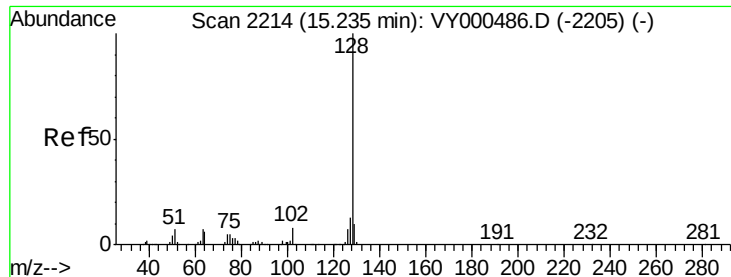
MMDadoda
 11/13/2019 11:06:00 AM



#94
 Hexachlorobutadiene
 Concen: 47.479 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY000634.D
 Acq: 08 Nov 2019 21:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.3	93.8
227	64.1	32.4	97.0





#95

Naphthalene

Concen: 53.160 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Instrument :

MSVOA_Y

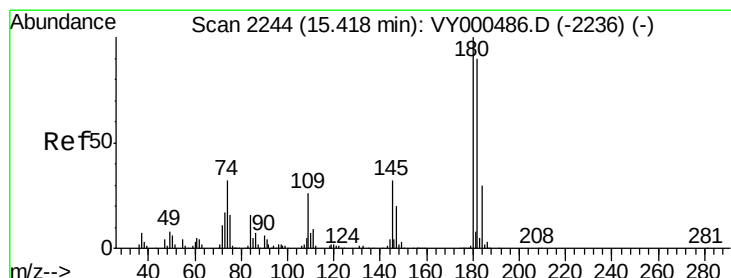
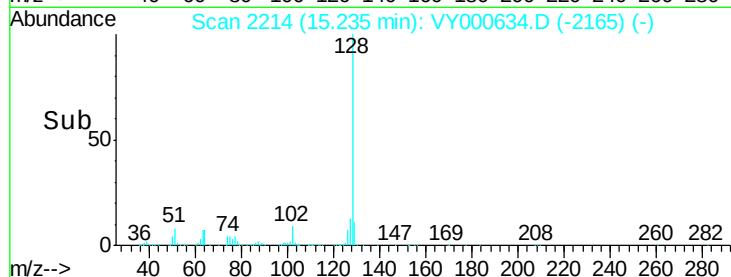
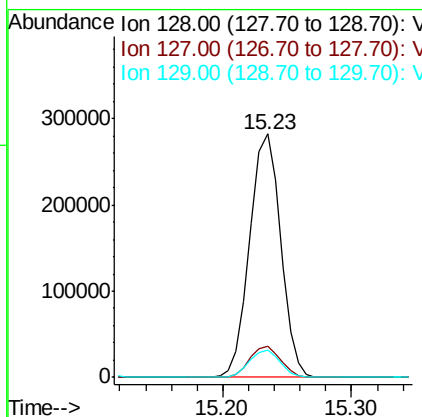
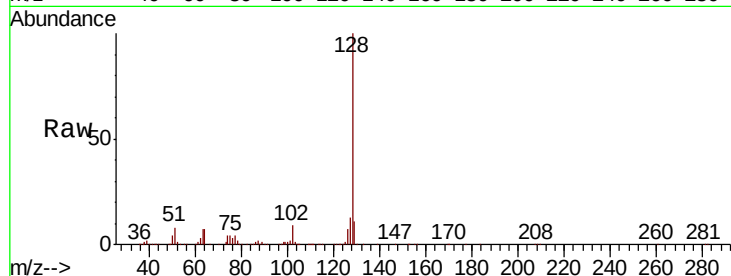
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	469056
Ion Ratio	Lower	Upper	
128	100		
127	12.7	9.8	14.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:00 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.665 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.01 min

Lab File: VY000634.D

Acq: 08 Nov 2019 21:29

Tgt Ion:	180	Resp:	180666
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.4	142.3
145	31.8	15.7	47.0

