

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001208.D
 Acq On : 15 Jan 2020 11:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:36:06 AM

Quant Time: Jan 16 05:03:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	192904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	338558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	302189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	145926	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	95010	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	
35) Dibromofluoromethane	7.73	113	91203	46.01	ug/l	0.00
Spiked Amount			Recovery	=	92.02%	
50) Toluene-d8	10.18	98	371735	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.48	95	141539	45.33	ug/l	0.00
Spiked Amount			Recovery	=	90.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	74709	50.428	ug/l	98
3) Chloromethane	2.12	50	105778	49.534	ug/l	100
4) Vinyl Chloride	2.26	62	115245	53.569	ug/l	98
5) Bromomethane	2.65	94	76182	65.925	ug/l	98
6) Chloroethane	2.80	64	74103	59.622	ug/l	98
7) Trichlorofluoromethane	3.13	101	142775	47.679	ug/l	98
8) Diethyl Ether	3.54	74	56309	48.392	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.91	101	93406	48.459	ug/l	99
10) Methyl Iodide	4.10	142	133874	50.741	ug/l	99
11) Tert butyl alcohol	4.97	59	45092	219.971	ug/l	99
12) 1,1-Dichloroethene	3.88	96	97556	49.470	ug/l	97
13) Acrolein	3.74	56	39380	213.392	ug/l	100
14) Allyl chloride	4.49	41	166341	49.977	ug/l	99
15) Acrylonitrile	5.17	53	137683	236.593	ug/l	99
16) Acetone	3.96	43	131340	277.574	ug/l	97
17) Carbon Disulfide	4.20	76	320285	50.181	ug/l	100
18) Methyl Acetate	4.48	43	69415	44.371	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	261693	47.974	ug/l	100
20) Methylene Chloride	4.72	84	112528	51.160	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	113255	50.649	ug/l	95
22) Diisopropyl ether	6.13	45	340399	50.073	ug/l	99
23) Vinyl Acetate	6.07	43	1085977	249.786	ug/l	100
24) 1,1-Dichloroethane	6.03	63	190041	51.064	ug/l	98
25) 2-Butanone	7.00	43	184804	250.949	ug/l	100
26) 2,2-Dichloropropane	6.99	77	168487	49.232	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	126486	51.623	ug/l	99
28) Bromochloromethane	7.34	49	83281	54.494	ug/l	100
29) Tetrahydrofuran	7.35	42	116812	231.462	ug/l	98
30) Chloroform	7.52	83	185296	50.814	ug/l	99
31) Cyclohexane	7.79	56	184923	46.929	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	159061	49.161	ug/l	99
36) 1,1-Dichloropropene	7.93	75	151238	49.012	ug/l	100
37) Ethyl Acetate	7.08	43	78720	43.469	ug/l	99
38) Carbon Tetrachloride	7.91	117	137339	48.565	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001208.D
 Acq On : 15 Jan 2020 11:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:36:06 AM

Quant Time: Jan 16 05:03:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	198219	47.382	ug/l	99
40) Benzene	8.17	78	458909	50.947	ug/l	100
41) Methacrylonitrile	7.33	41	48238m	56.706	ug/l	
42) 1,2-Dichloroethane	8.24	62	122304	48.491	ug/l	99
43) Isopropyl Acetate	8.28	43	159681	46.112	ug/l	100
44) Trichloroethene	8.94	130	118035	50.290	ug/l	98
45) 1,2-Dichloropropane	9.22	63	113432	50.939	ug/l	99
46) Dibromomethane	9.31	93	59124	48.662	ug/l	99
47) Bromodichloromethane	9.50	83	145224	49.045	ug/l	100
48) Methyl methacrylate	9.29	41	73666	45.970	ug/l	98
49) 1,4-Dioxane	9.30	88	15553	1051.125	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	397760	226.372	ug/l	99
52) Toluene	10.24	92	288133	50.153	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	160867	48.550	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	187283	50.132	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	87098	48.355	ug/l	98
56) Ethyl methacrylate	10.51	69	128515	46.643	ug/l	99
57) 1,3-Dichloropropane	10.79	76	150990	48.829	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	197817	204.131	ug/l	99
59) 2-Hexanone	10.83	43	288790	234.514	ug/l	99
60) Dibromochloromethane	10.98	129	101804	49.089	ug/l	99
61) 1,2-Dibromoethane	11.09	107	81576	46.382	ug/l	98
64) Tetrachloroethene	10.72	164	95090	48.814	ug/l	98
65) Chlorobenzene	11.52	112	303958	50.339	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	105012	50.460	ug/l	99
67) Ethyl Benzene	11.59	91	556787	50.407	ug/l	100
68) m/p-Xylenes	11.70	106	427740	102.654	ug/l	99
69) o-Xylene	12.03	106	203790	51.011	ug/l	99
70) Styrene	12.04	104	357978	51.069	ug/l	99
71) Bromoform	12.20	173	60082	46.814	ug/l #	99
73) Isopropylbenzene	12.33	105	543092	49.506	ug/l	100
74) N-amyl acetate	12.14	43	159677	46.640	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	107796	46.704	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	69858m	44.719	ug/l	
77) Bromobenzene	12.61	156	119385	49.250	ug/l	97
78) n-propylbenzene	12.67	91	661378	50.121	ug/l	100
79) 2-Chlorotoluene	12.75	91	372909	49.208	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	462093	50.483	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	41981	45.572	ug/l #	96
82) 4-Chlorotoluene	12.85	91	405140	50.077	ug/l	99
83) tert-Butylbenzene	13.07	119	383190	49.821	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	462175	50.845	ug/l	100
85) sec-Butylbenzene	13.25	105	558593	50.484	ug/l	99
86) p-Isopropyltoluene	13.36	119	497886	51.826	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	232038	50.615	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	236768	50.182	ug/l	99
89) n-Butylbenzene	13.69	91	491533	50.800	ug/l	100
90) Hexachloroethane	13.95	117	94264	50.217	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	216531	50.822	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	17730	42.585	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
Data File : VY001208.D
Acq On : 15 Jan 2020 11:19
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

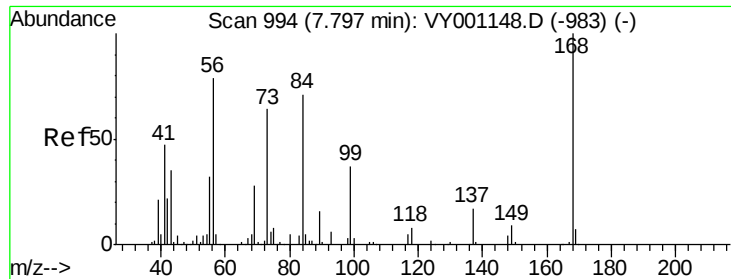
Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:06 AM

Quant Time: Jan 16 05:03:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 10 16:01:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	140244	49.960	ug/l	99
94) Hexachlorobutadiene	15.11	225	69945	49.459	ug/l	99
95) Naphthalene	15.23	128	302544	46.294	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	122091	49.350	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 192904

Ion Ratio Lower Upper

168 100

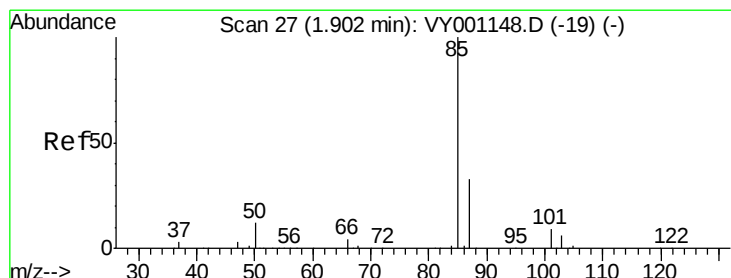
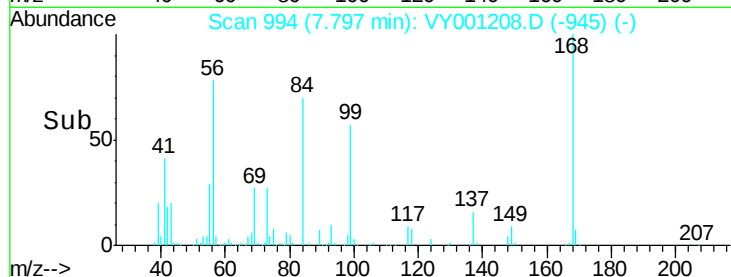
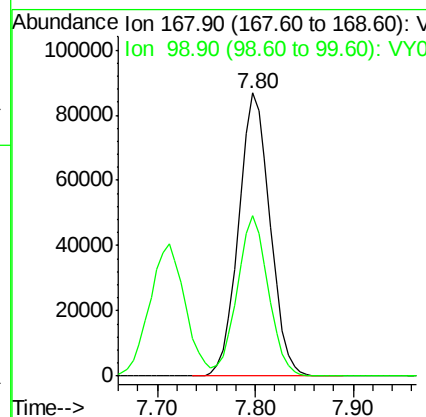
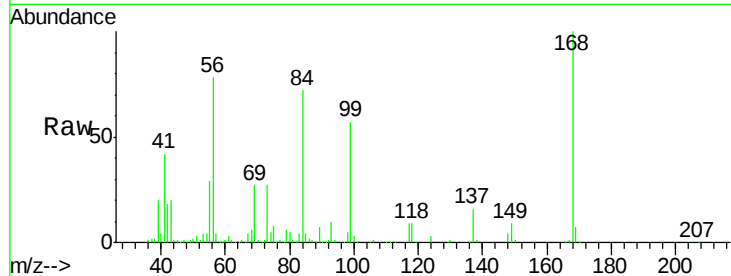
99 56.9 47.9 71.9

Manual Integrations

APPROVED

MMDadoda

1/16/2020 9:36:06 AM



#2

Dichlorodifluoromethane

Concen: 50.428 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY001208.D

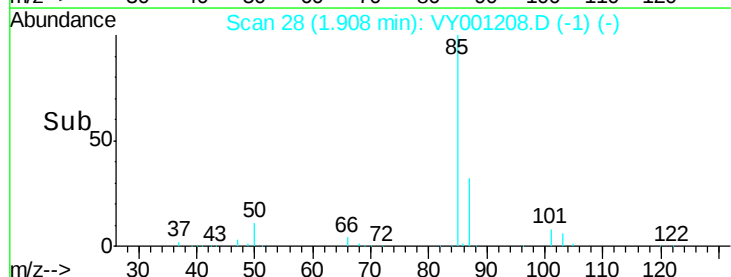
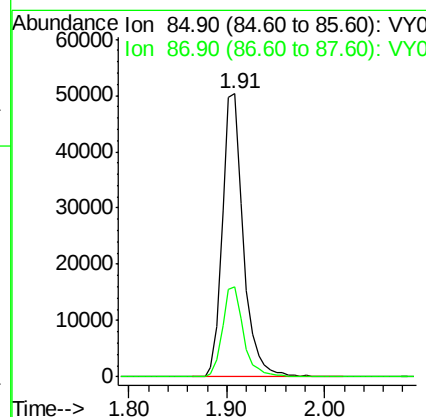
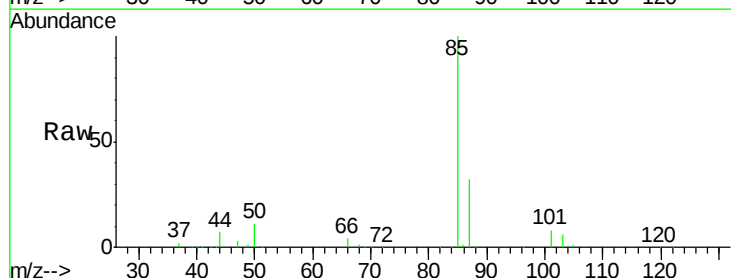
Acq: 15 Jan 2020 11:19

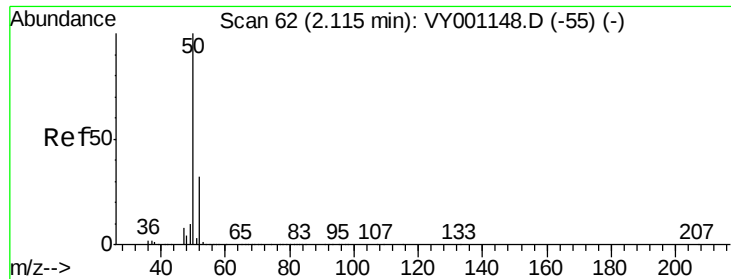
Tgt Ion: 85 Resp: 74709

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.2





#3

Chloromethane

Concen: 49.534 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 105778

Ion Ratio Lower Upper

50 100

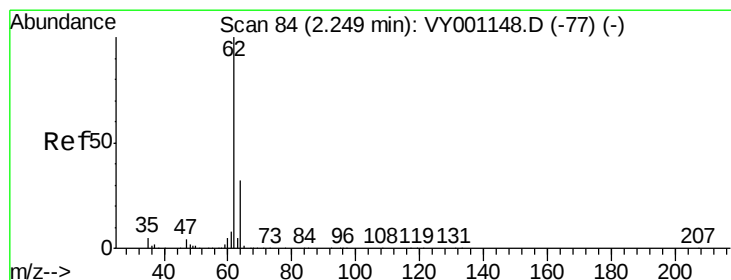
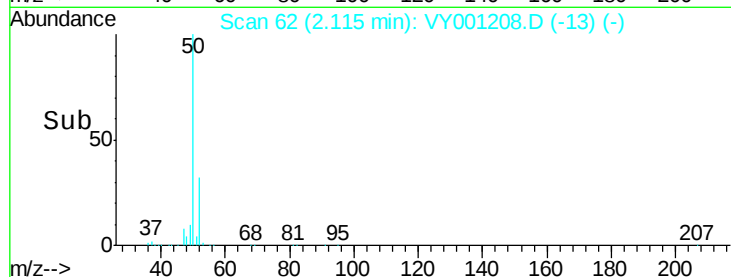
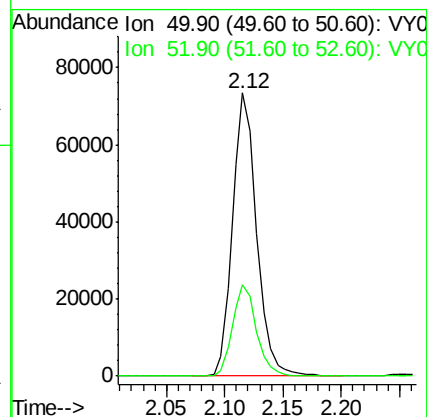
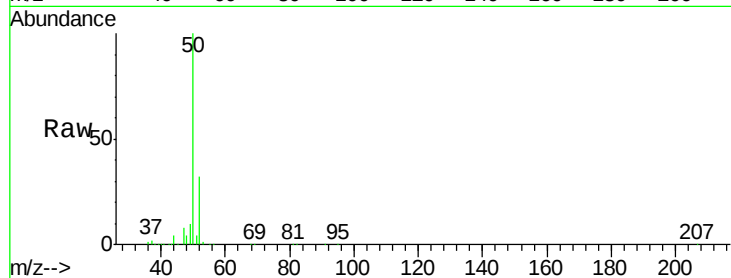
52 32.2 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

1/16/2020 9:36:06 AM



#4

Vinyl Chloride

Concen: 53.569 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001208.D

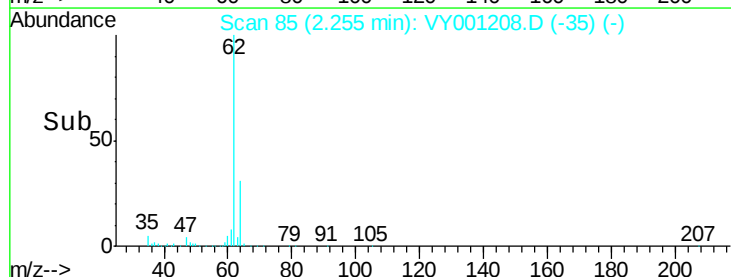
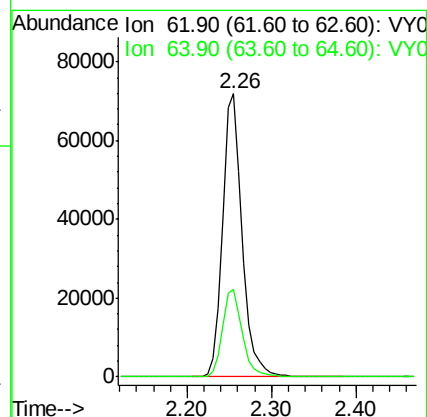
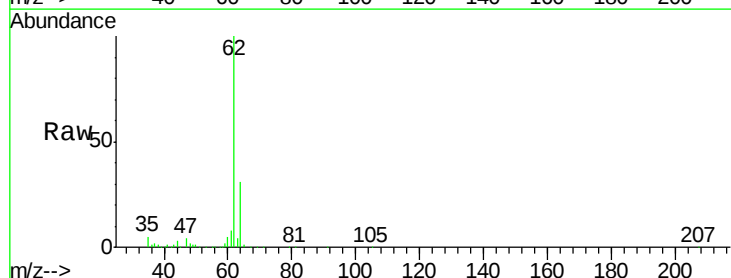
Acq: 15 Jan 2020 11:19

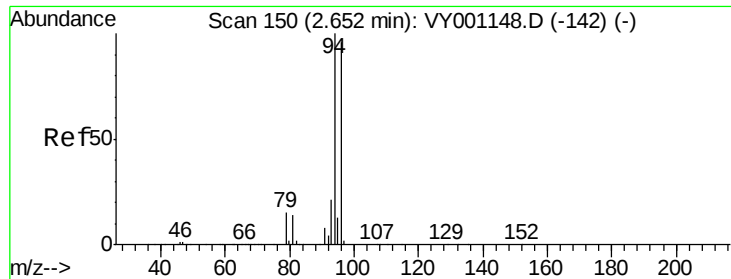
Tgt Ion: 62 Resp: 115245

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.8





#5

Bromomethane

Concen: 65.925 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 76182

Ion Ratio Lower Upper

94 100

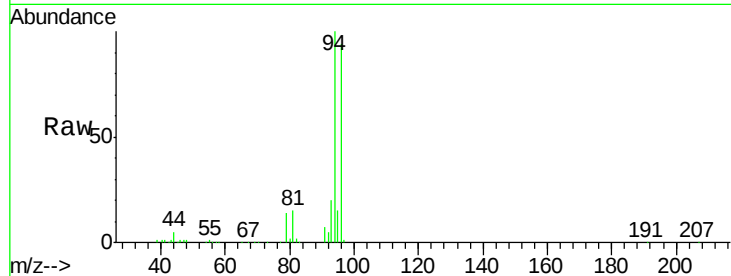
96 94.2 77.3 115.9

Manual Integrations

APPROVED

MMDadoda

1/16/2020 9:36:06 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

40000

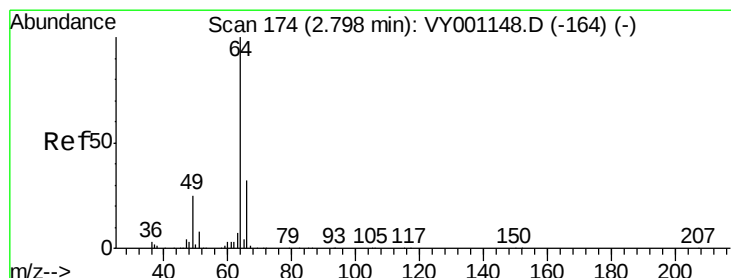
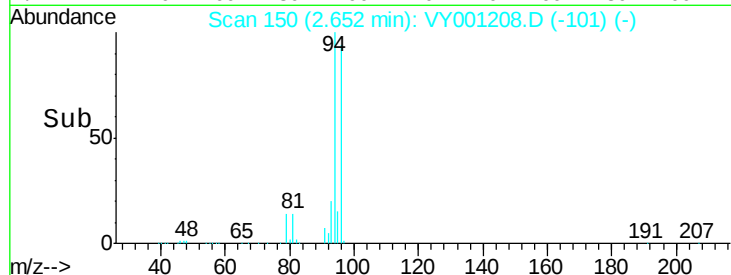
30000

20000

10000

0

Time--> 2.50 2.60 2.70 2.80



#6

Chloroethane

Concen: 59.622 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY001208.D

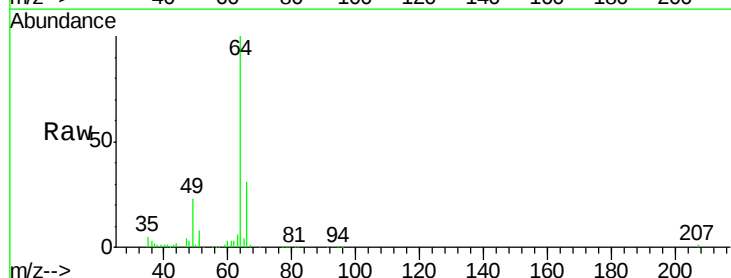
Acq: 15 Jan 2020 11:19

Tgt Ion: 64 Resp: 74103

Ion Ratio Lower Upper

64 100

66 30.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

40000

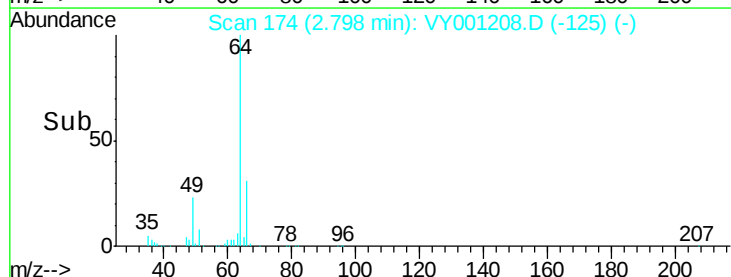
30000

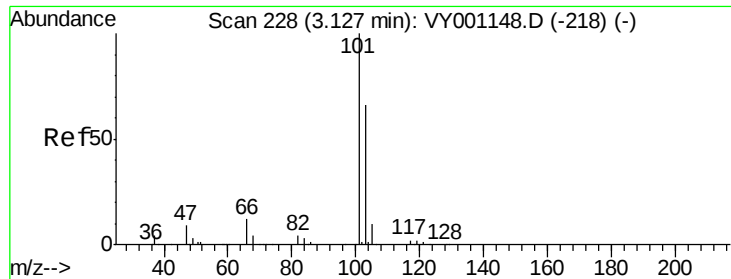
20000

10000

0

Time--> 2.70 2.80 2.90





#7

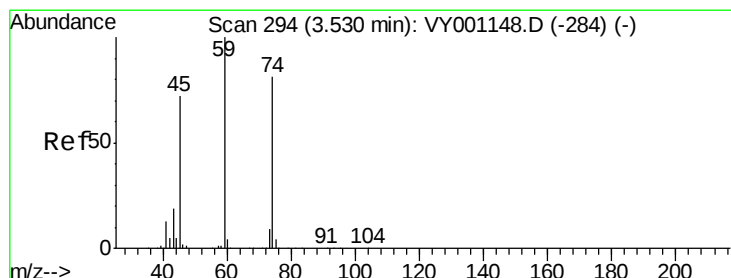
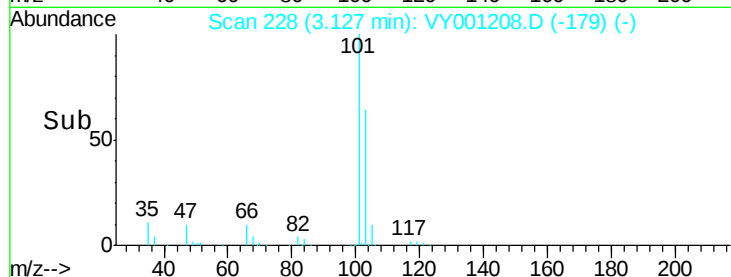
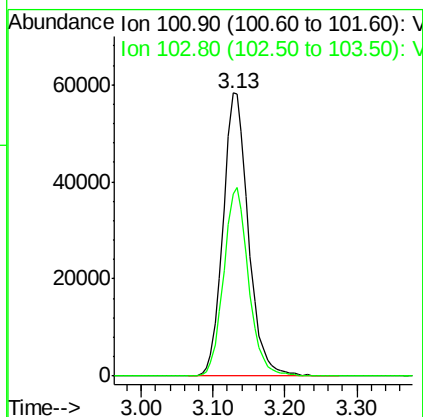
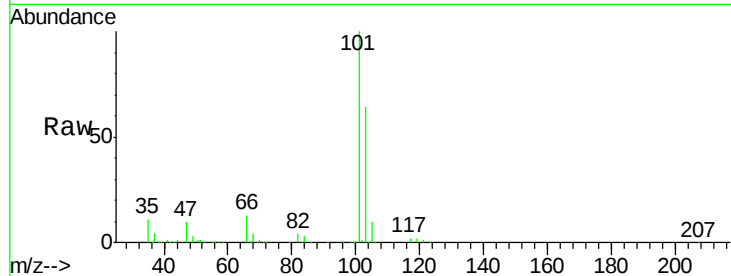
Trichlorofluoromethane
Concen: 47.679 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.6	79.0

Manual Integrations
APPROVED

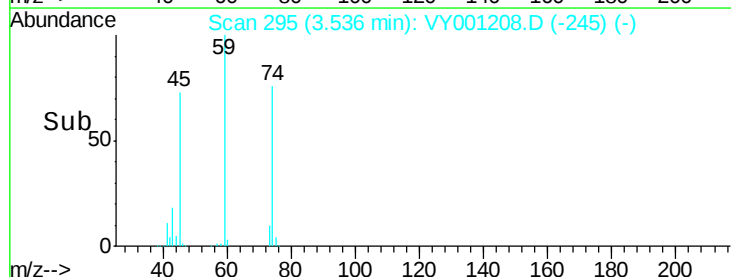
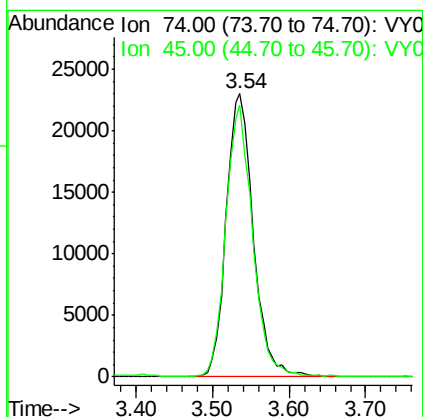
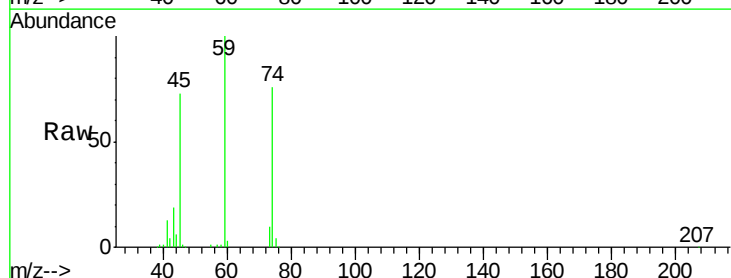
MMDadoda
1/16/2020 9:36:06 AM

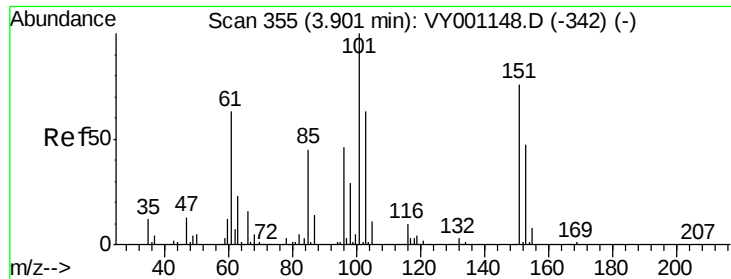


#8

Diethyl Ether
Concen: 48.392 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.7	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.459 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

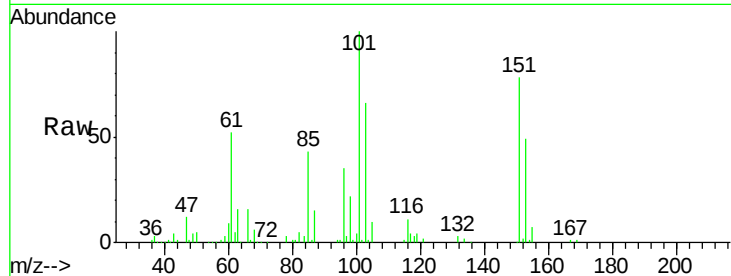
ClientSampleId :

VSTDCCC050

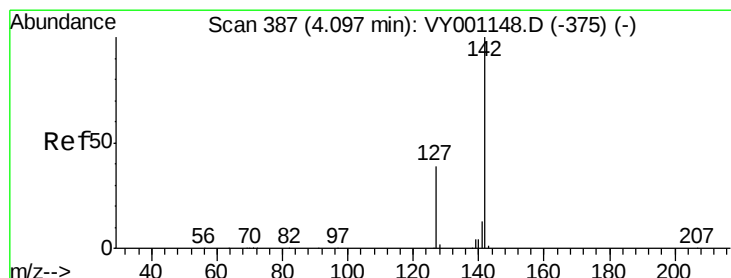
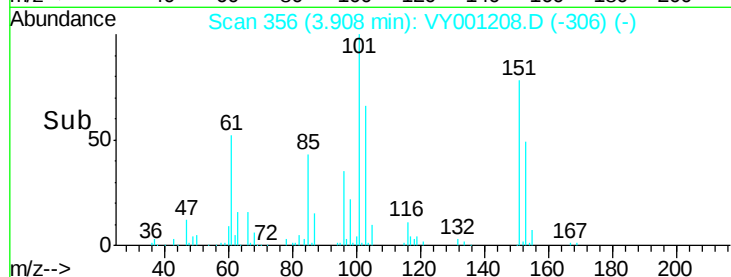
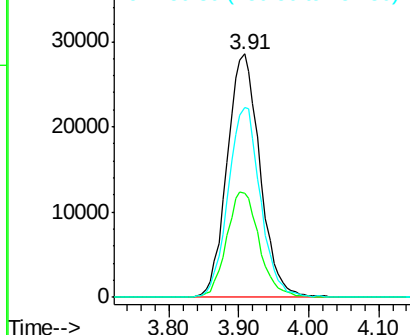
Tot Ion:	101	Resp:	93406
Ion Ratio	Lower	Upper	
101	100		
85	42.9	35.2	52.8
151	76.8	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:06 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.741 ug/l

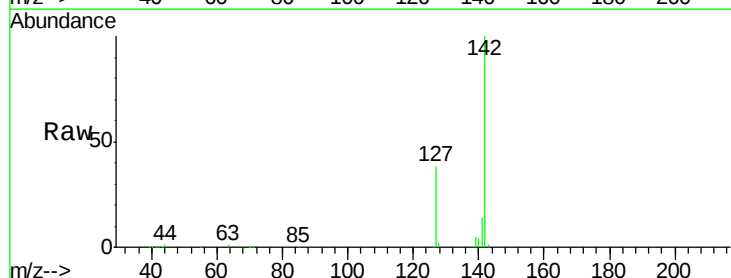
RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

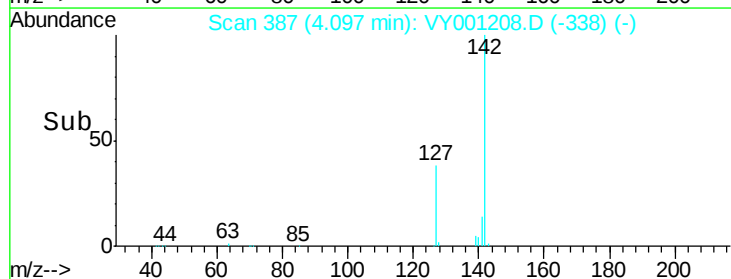
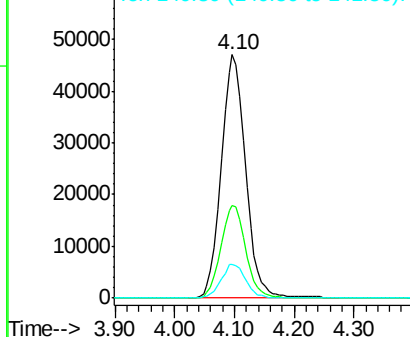
Lab File: VY001208.D

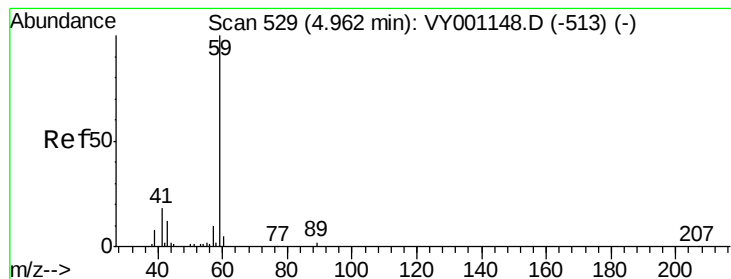
Acq: 15 Jan 2020 11:19

Tgt Ion:	142	Resp:	133874
Ion Ratio	Lower	Upper	
142	100		
127	38.7	30.8	46.2
141	14.1	11.0	16.4



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





#11

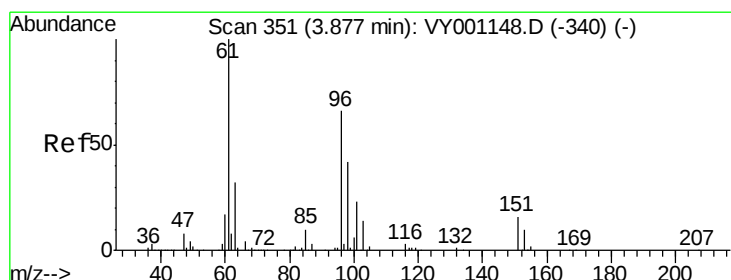
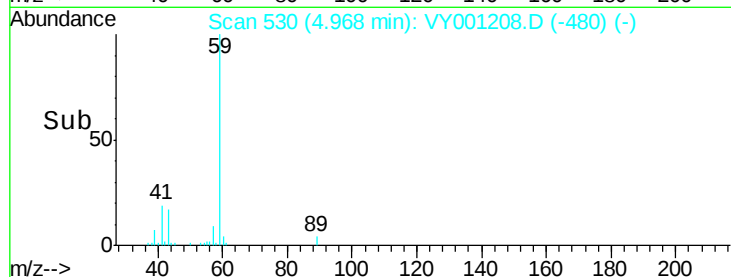
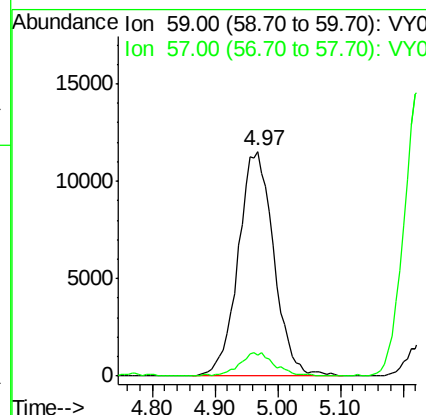
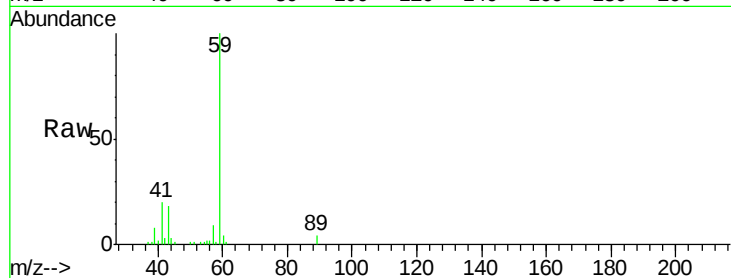
Tert butyl alcohol
Concen: 219.971 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.01 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	45092
Ion Ratio	100	Lower	Upper
57	10.2	7.8	11.8

Manual Integrations
APPROVED

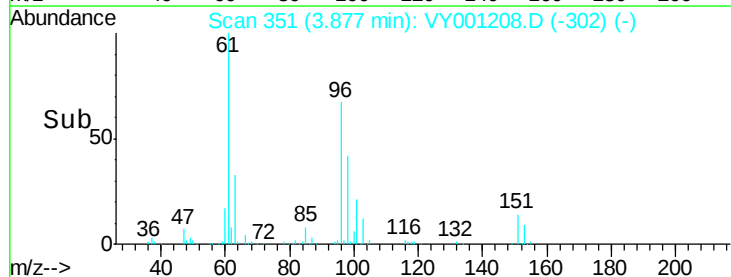
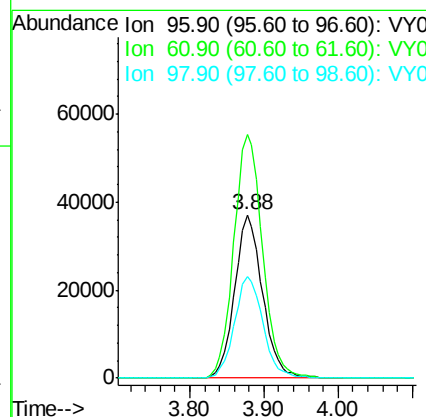
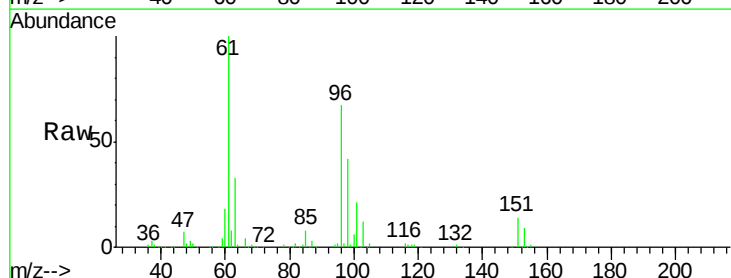
MMDadoda
1/16/2020 9:36:06 AM

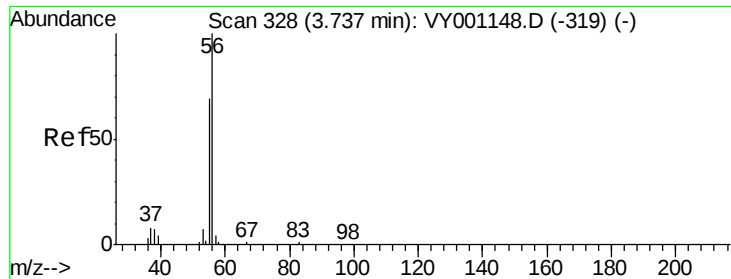


#12

1,1-Dichloroethene
Concen: 49.470 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion	96	Resp	97556
Ion Ratio	100	Lower	Upper
61	148.9	122.1	183.1
98	62.2	51.0	76.6





#13

Acrolein

Concen: 213.392 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 39380

Ion Ratio Lower Upper

56 100

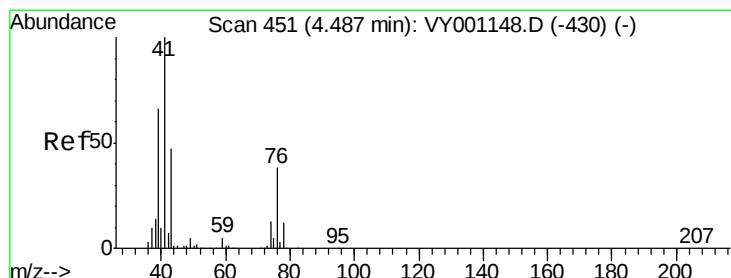
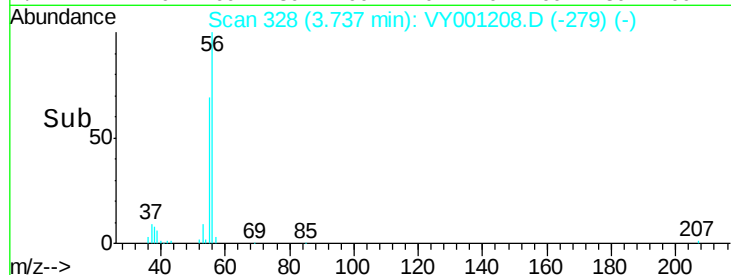
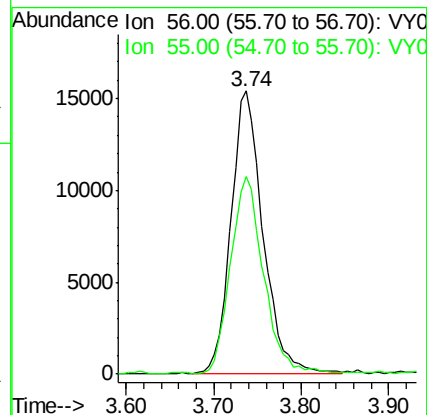
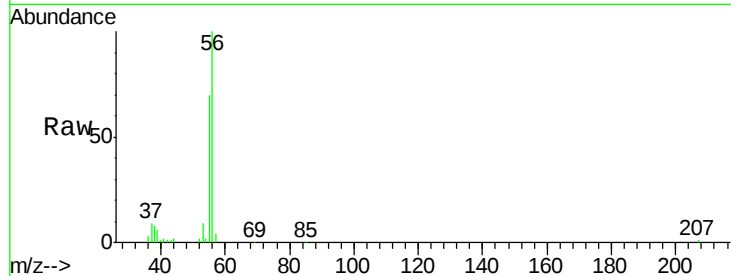
55 70.7 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

1/16/2020 9:36:06 AM



#14

Allyl chloride

Concen: 49.977 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

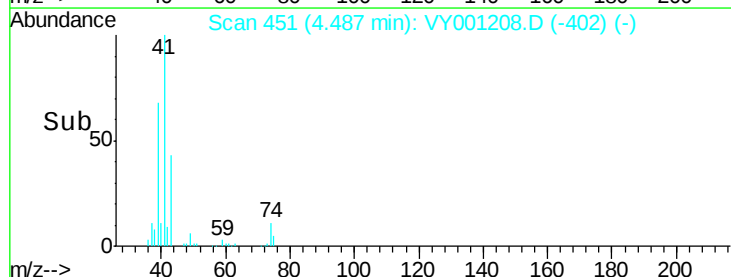
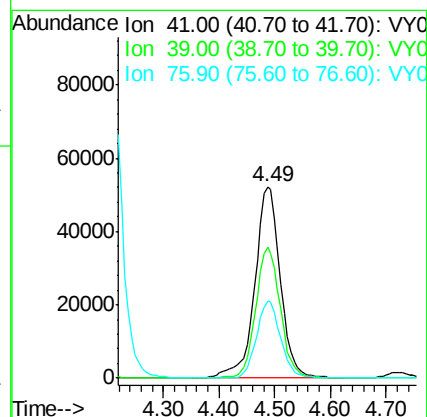
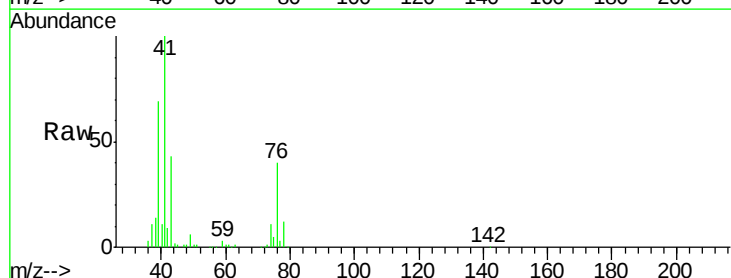
Tgt Ion: 41 Resp: 166341

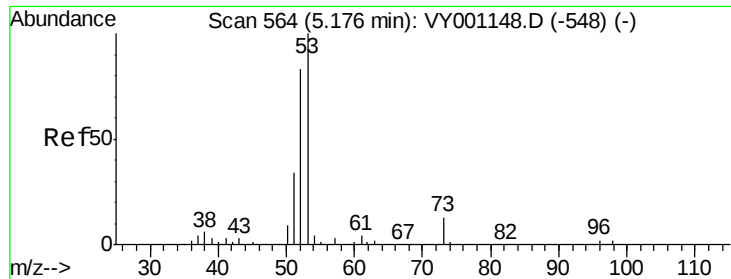
Ion Ratio Lower Upper

41 100

39 66.4 52.6 78.8

76 38.1 30.2 45.2





#15

Acrylonitrile

Concen: 236.593 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

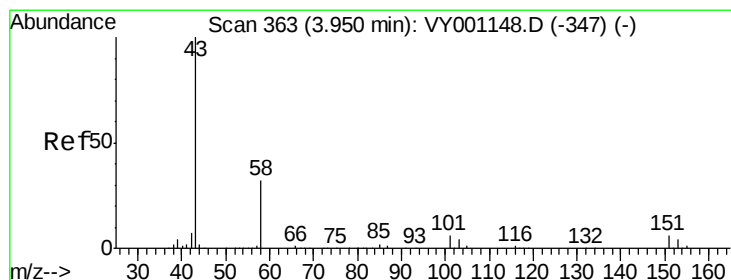
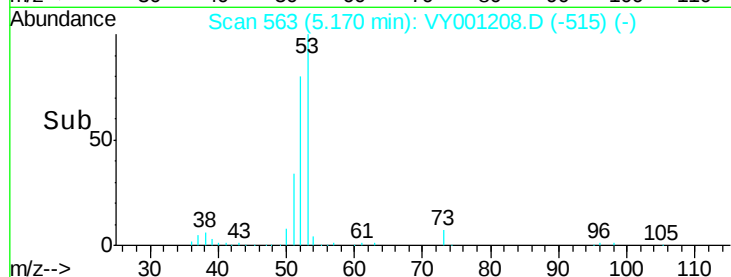
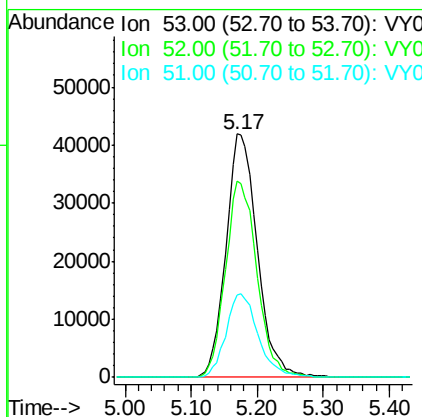
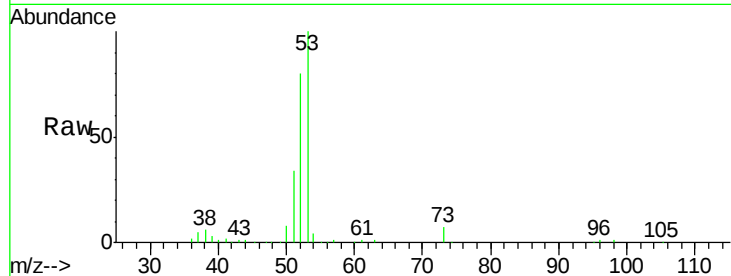
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	137683
Ion Ratio	Lower	Upper	
53	100		
52	81.0	65.7	98.5
51	35.5	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:06 AM



#16

Acetone

Concen: 277.574 ug/l

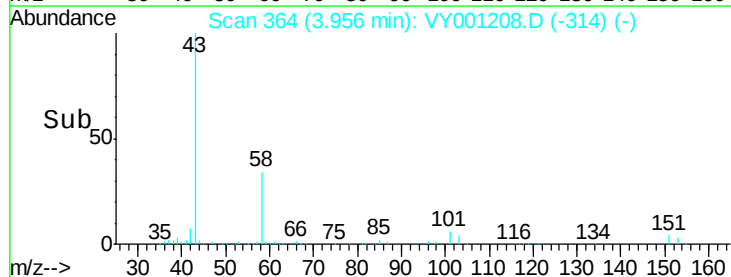
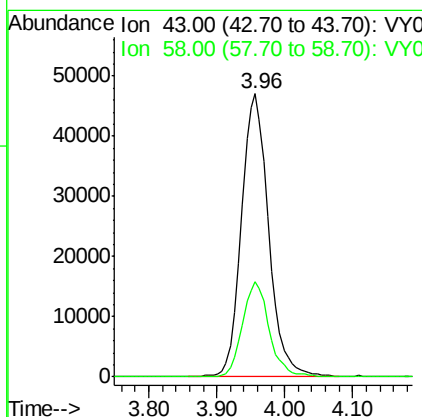
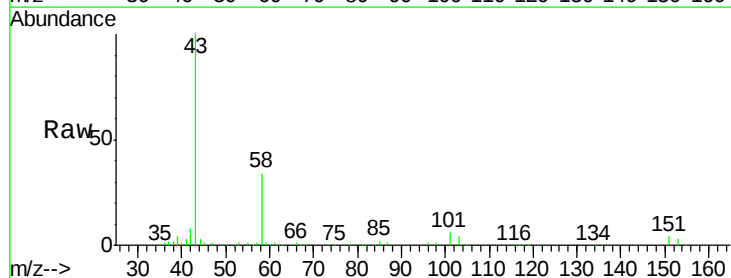
RT: 3.96 min Scan# 364

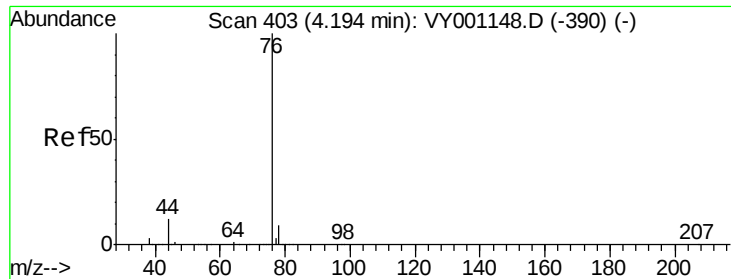
Delta R.T. 0.01 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Tgt Ion:	43	Resp:	131340
Ion Ratio	Lower	Upper	
43	100		
58	33.6	25.8	38.6





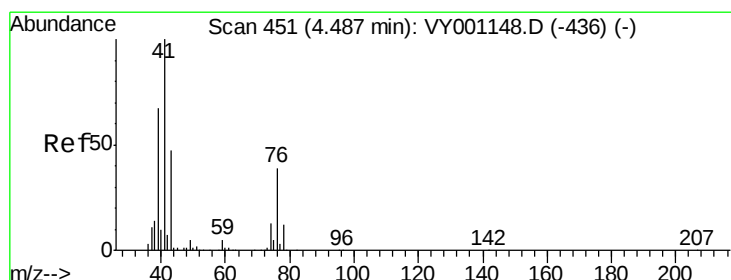
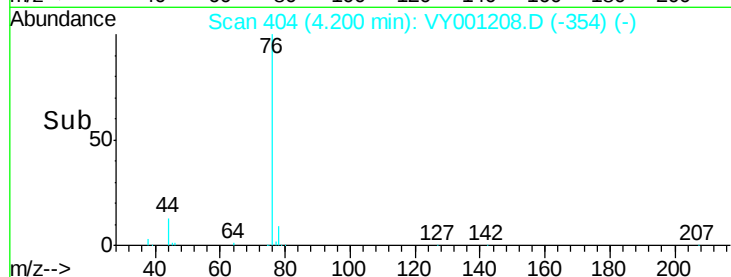
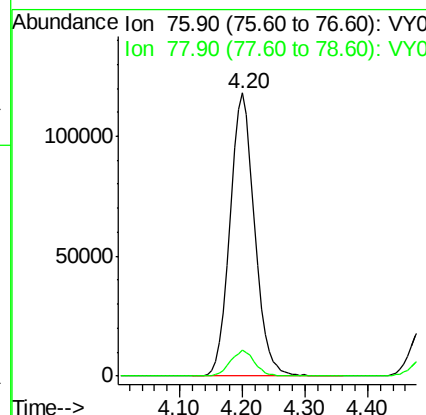
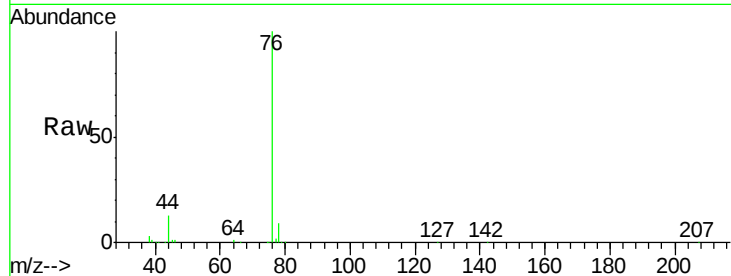
#17
Carbon Disulfide
Concen: 50.181 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

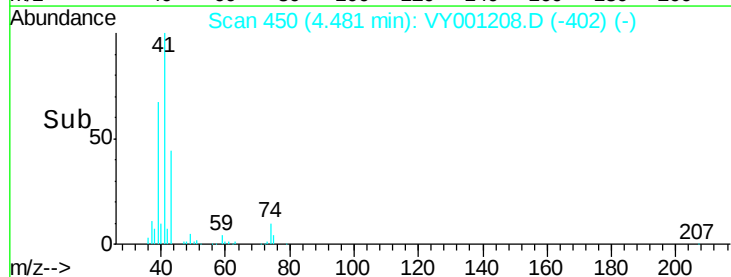
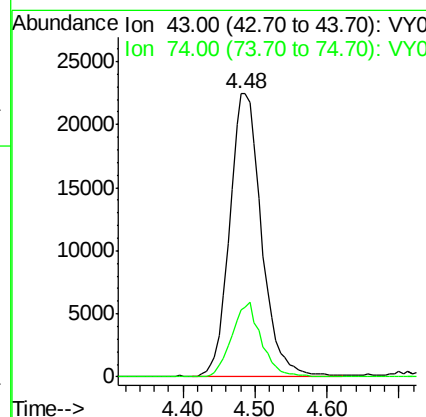
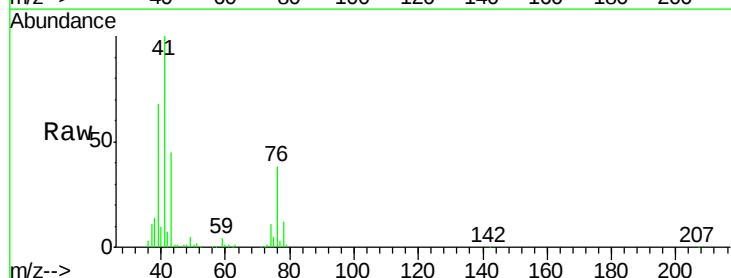
Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:06 AM



#18
Methyl Acetate
Concen: 44.371 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	20.2	30.2





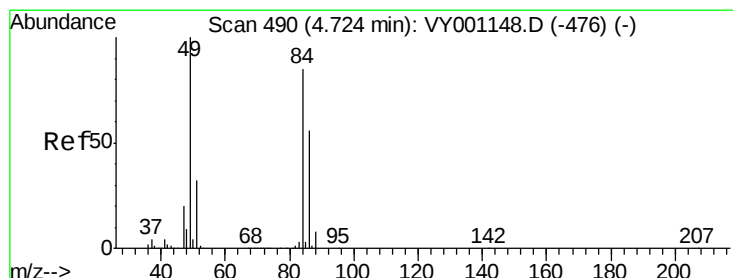
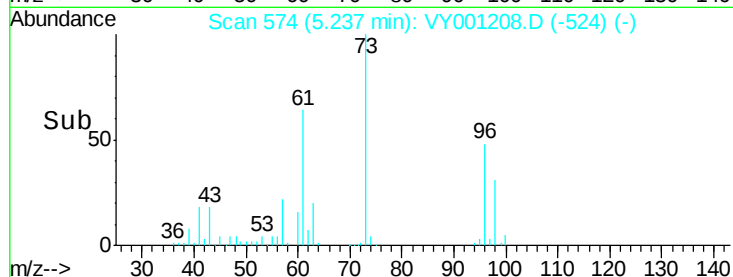
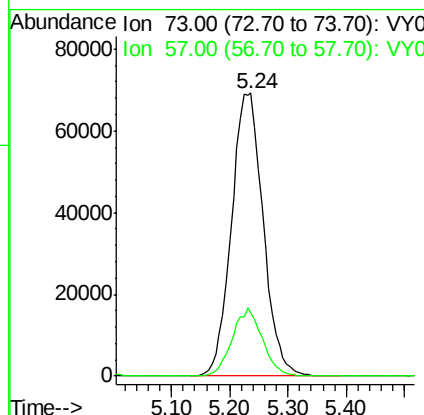
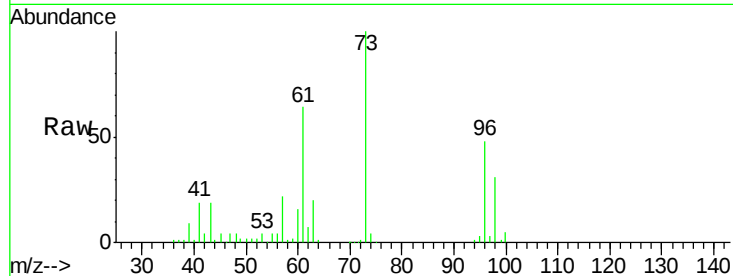
#19
Methyl tert-butyl Ether
Concen: 47.974 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 261693
Ion Ratio Lower Upper
73 100
57 22.4 17.8 26.6

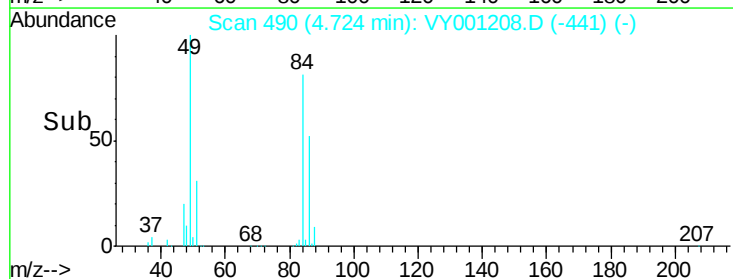
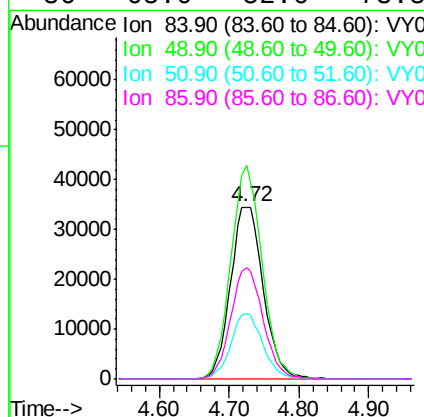
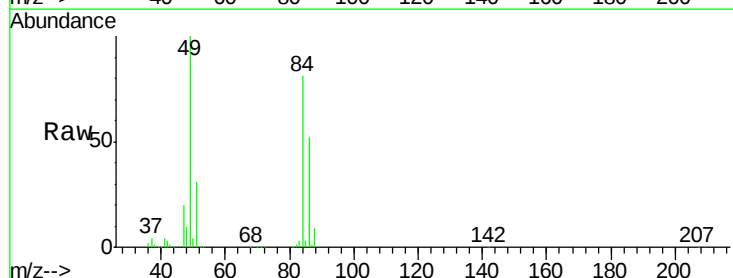
Manual Integrations
APPROVED

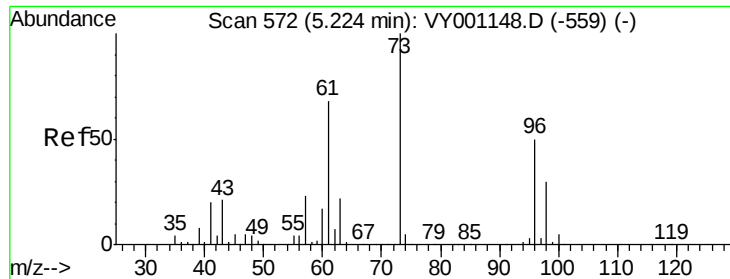
MMDadoda
1/16/2020 9:36:06 AM



#20
Methylene Chloride
Concen: 51.160 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion: 84 Resp: 112528
Ion Ratio Lower Upper
84 100
49 124.1 93.8 140.6
51 38.3 29.9 44.9
86 65.0 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 50.649 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 113255

Ion Ratio Lower Upper

96 100

61 128.5 107.6 161.4

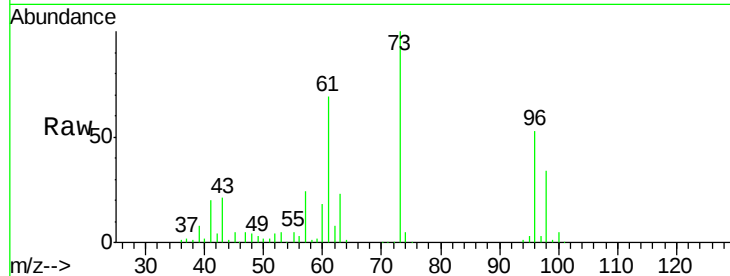
98 62.9 47.6 71.4

Manual Integrations

APPROVED

MMDadoda

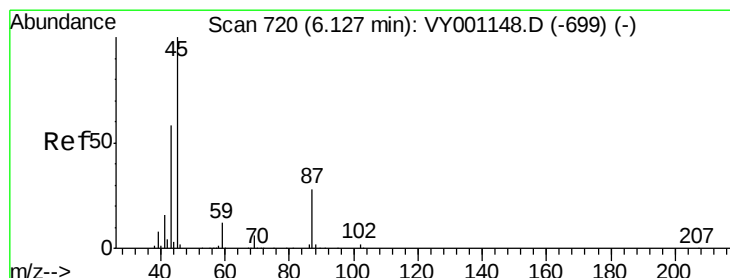
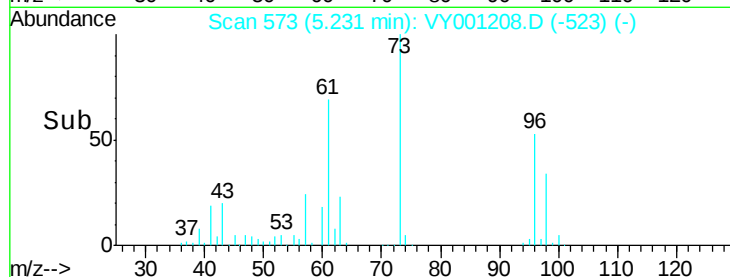
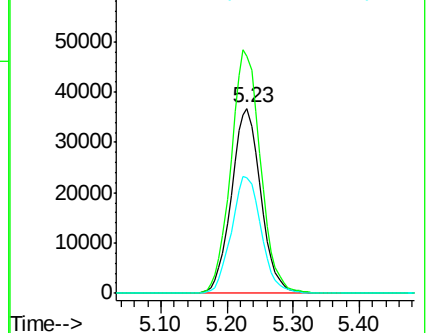
1/16/2020 9:36:06 AM



Abundance Ion 95.90 (95.60 to 96.60): VY001148.D (-559) (-)

Ion 60.90 (60.60 to 61.60): VY001148.D (-559) (-)

Ion 97.90 (97.60 to 98.60): VY001148.D (-559) (-)



#22

Diisopropyl ether

Concen: 50.073 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Tgt Ion: 45 Resp: 340399

Ion Ratio Lower Upper

45 100

43 58.6 46.5 69.7

87 28.6 22.5 33.7

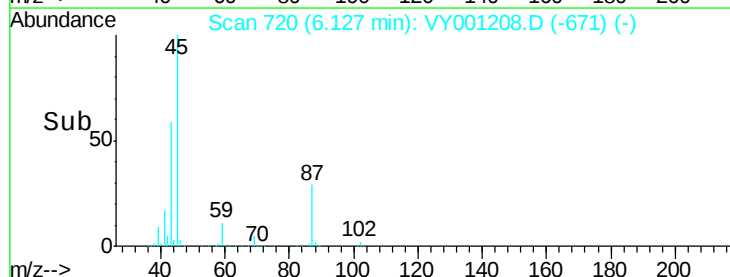
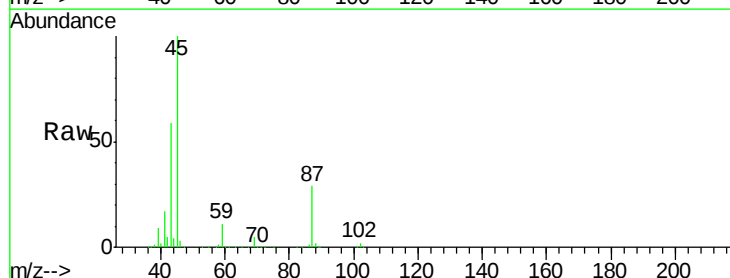
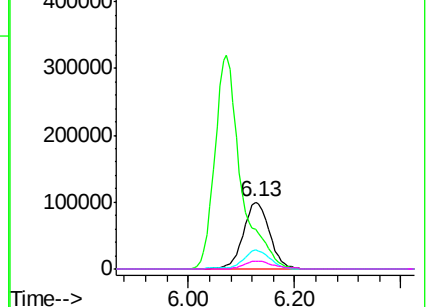
59 11.2 9.4 14.0

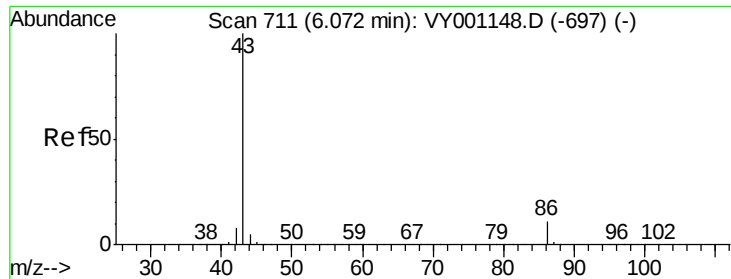
Abundance Ion 45.00 (44.70 to 45.70): VY001148.D (-699) (-)

Ion 43.00 (42.70 to 43.70): VY001148.D (-699) (-)

Ion 87.00 (86.70 to 87.70): VY001148.D (-699) (-)

Ion 59.00 (58.70 to 59.70): VY001148.D (-699) (-)





#23

Vinyl Acetate

Concen: 249.786 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1085977

Ion Ratio Lower Upper

43 100

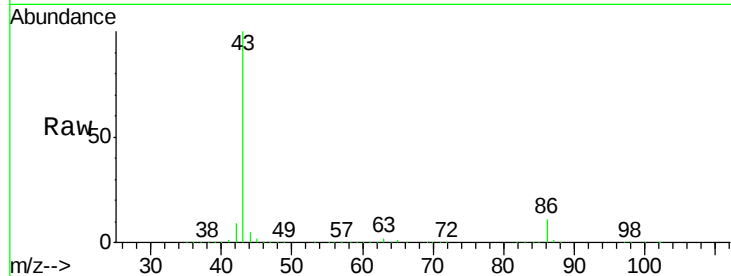
86 11.1 9.0 13.4

Manual Integrations

APPROVED

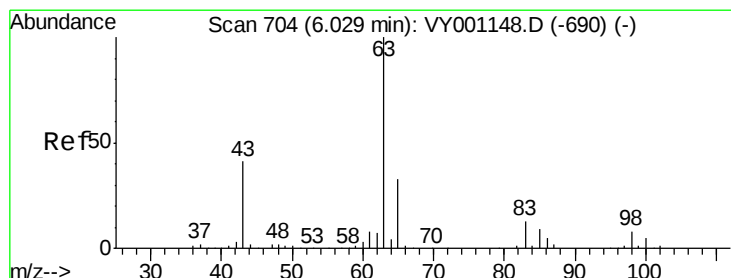
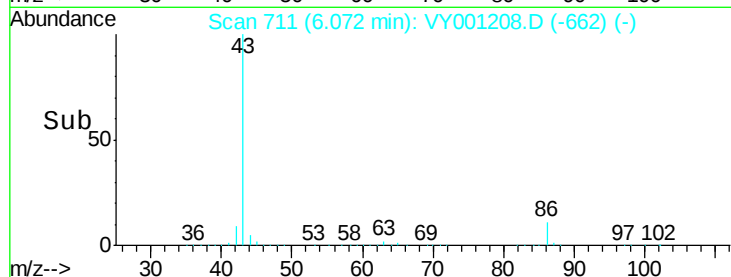
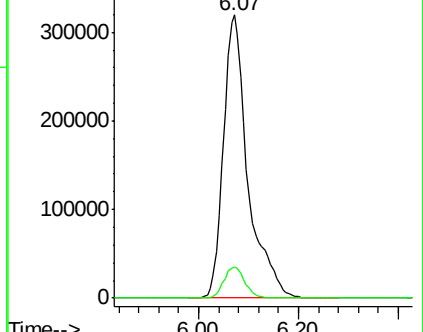
MMDadoda

1/16/2020 9:36:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 51.064 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

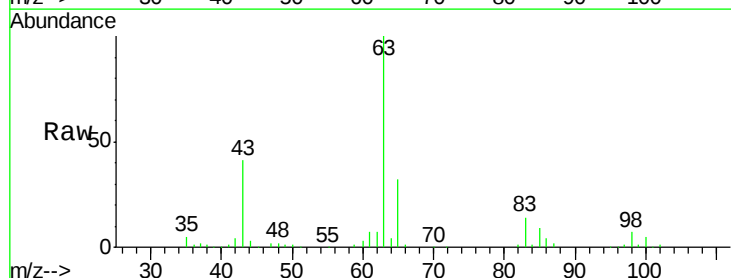
Tgt Ion: 63 Resp: 190041

Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.7

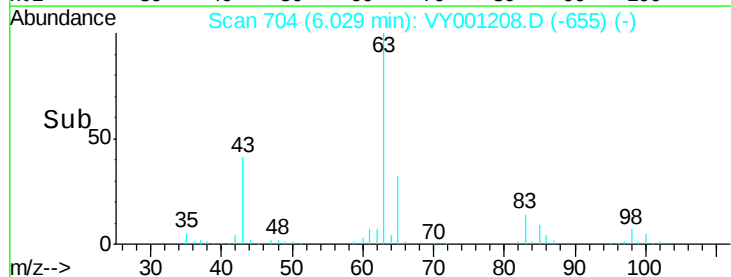
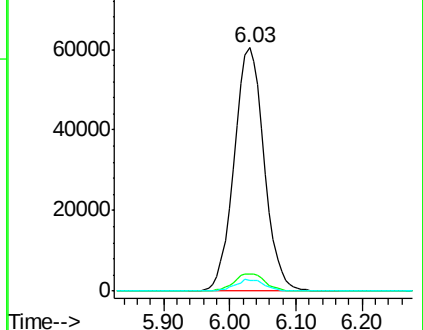
100 4.5 2.4 7.2

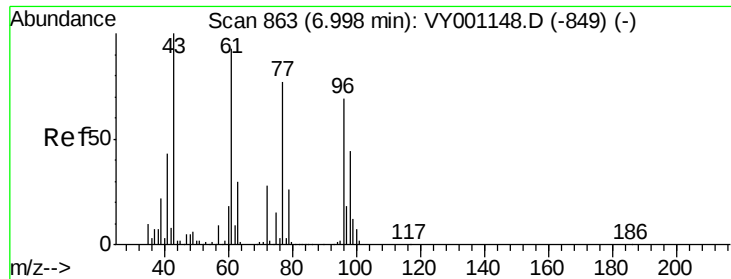


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 250.949 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 184804

Ion Ratio Lower Upper

43 100

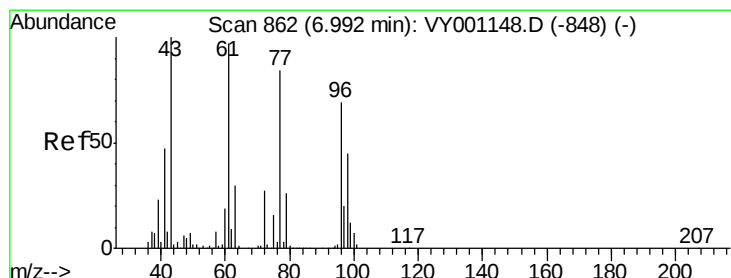
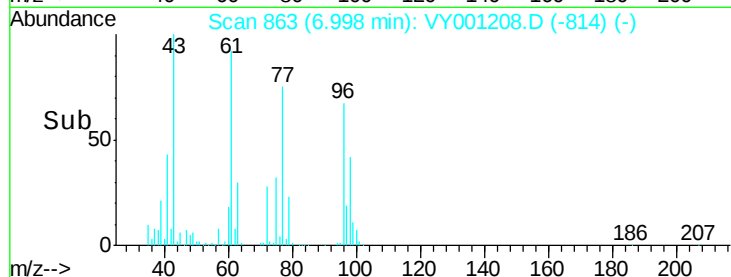
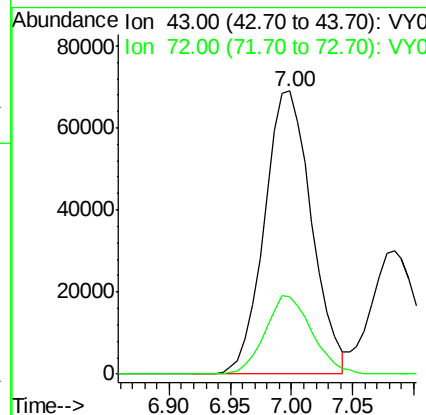
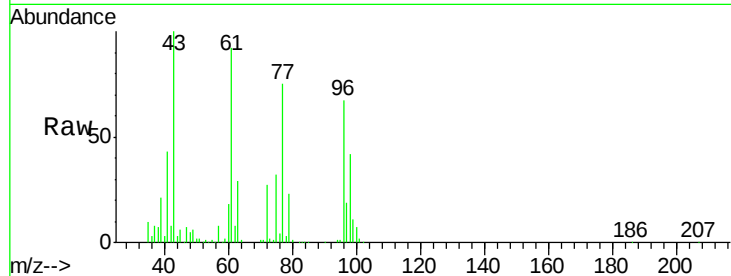
72 27.5 22.2 33.2

Manual Integrations

APPROVED

MMDadoda

1/16/2020 9:36:06 AM



#26

2,2-Dichloropropane

Concen: 49.232 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001208.D

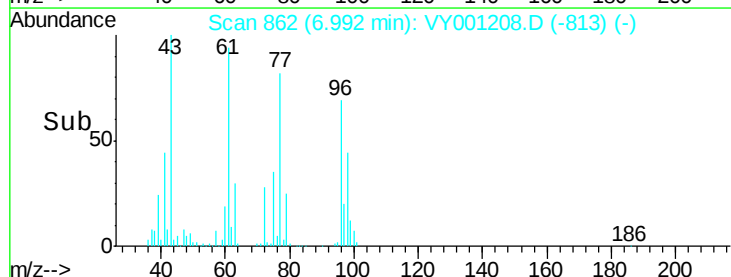
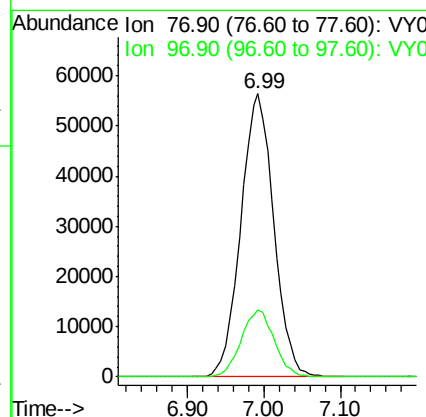
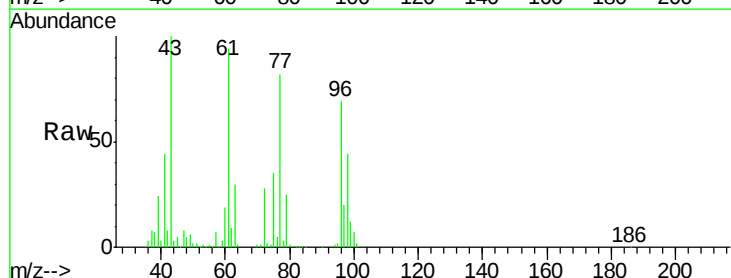
Acq: 15 Jan 2020 11:19

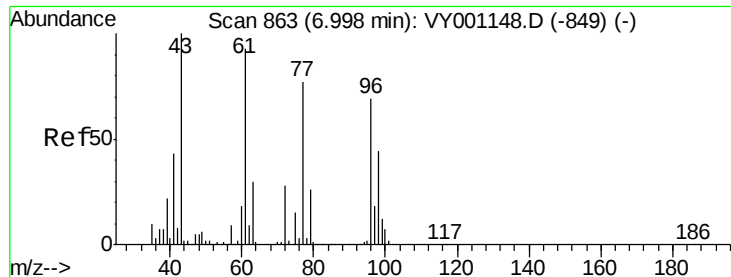
Tgt Ion: 77 Resp: 168487

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.7





#27

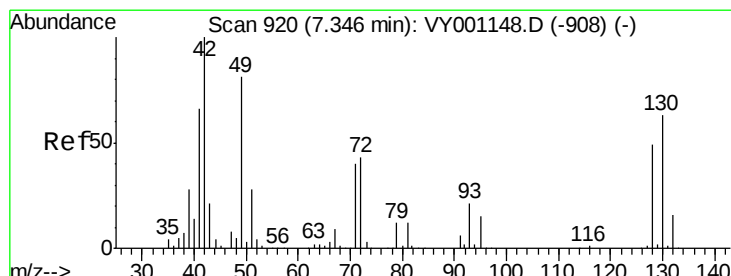
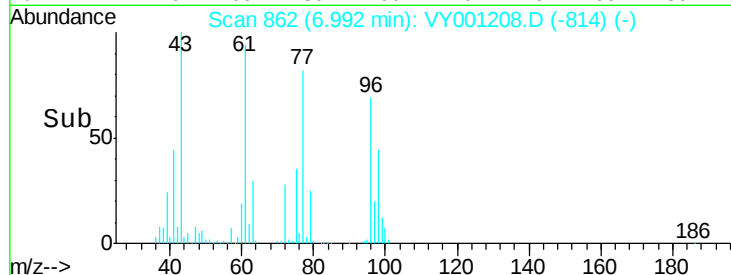
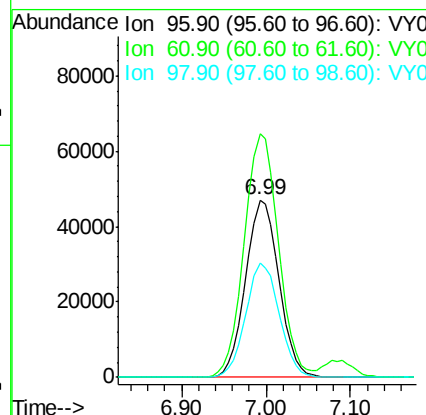
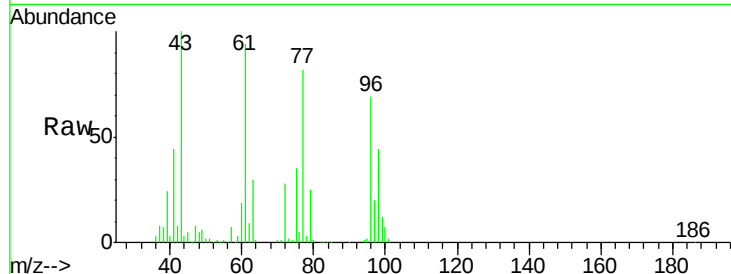
cis-1,2-Dichloroethene
Concen: 51.623 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	126486		
61	141.0	0.0	284.0	
98	64.5	0.0	130.2	

Manual Integrations
APPROVED

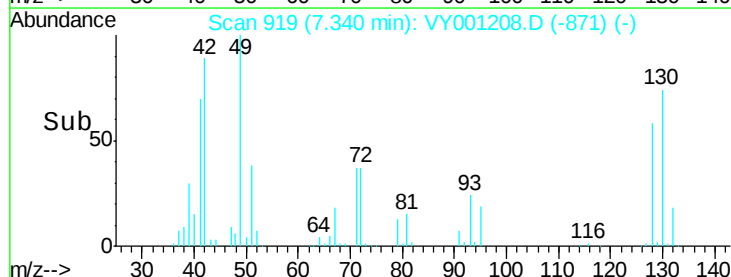
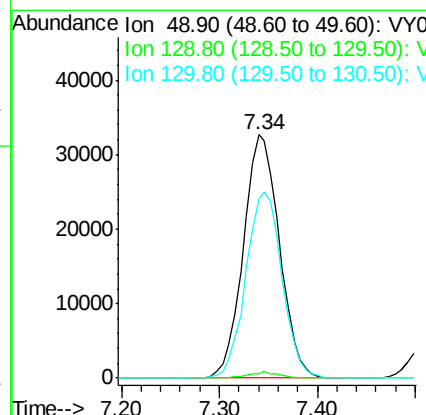
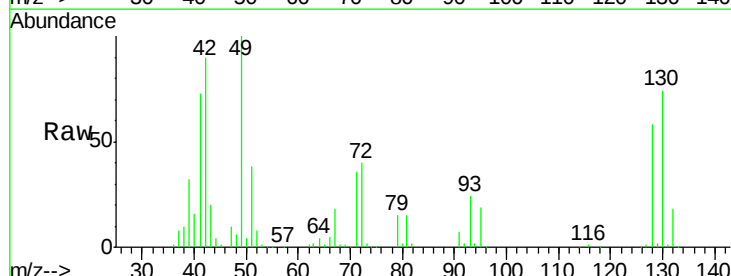
MMDadoda
1/16/2020 9:36:06 AM

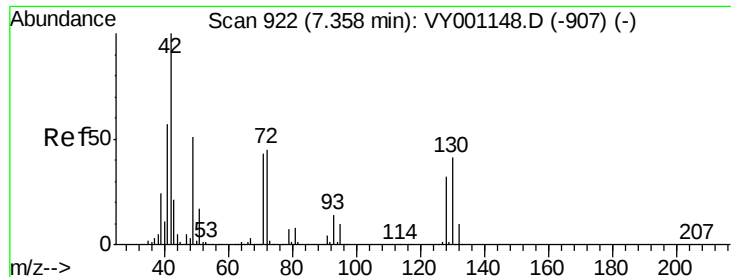


#28

Bromochloromethane
Concen: 54.494 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	83281		
129	2.2	0.0	4.4	
130	76.9	61.2	91.8	





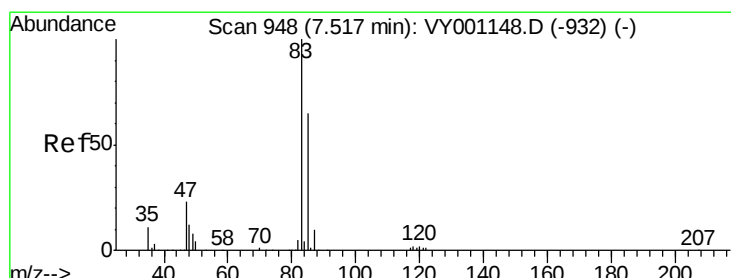
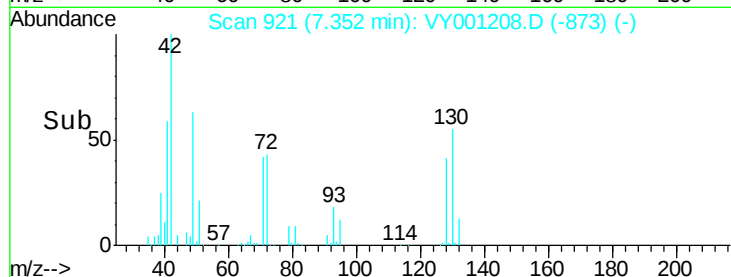
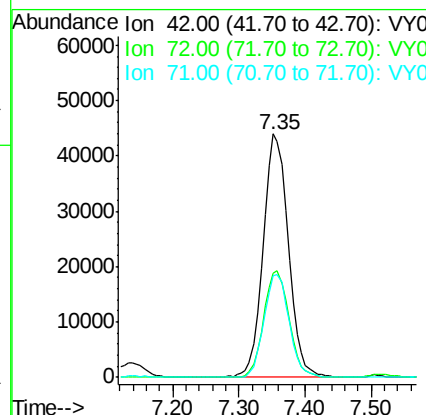
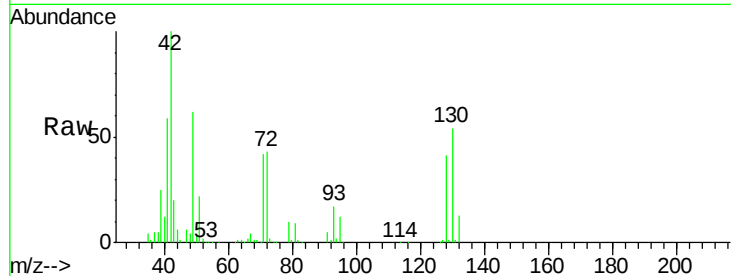
#29
Tetrahydrofuran
Concen: 231.462 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	36.9	55.3
71	42.0	34.0	51.0

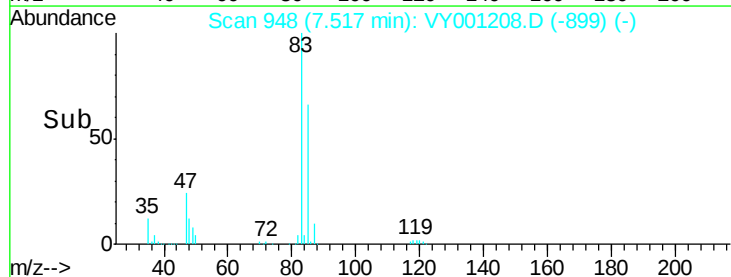
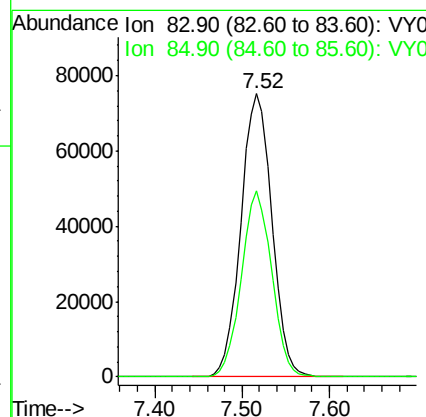
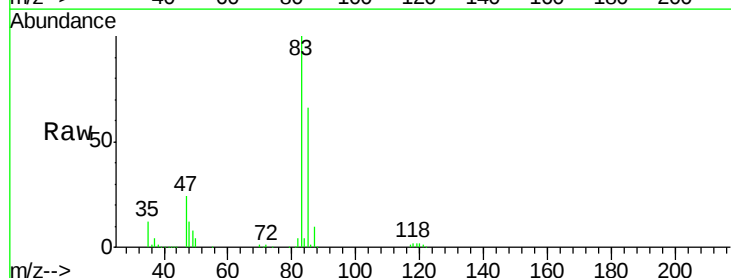
Manual Integrations
APPROVED

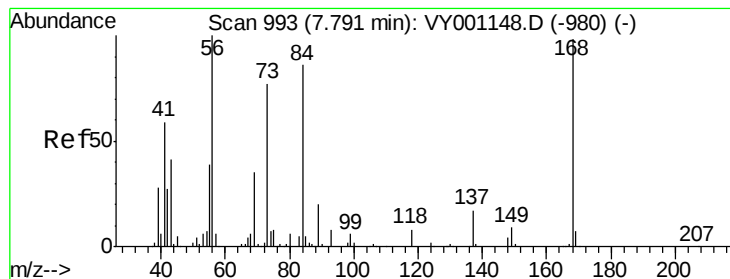
MMDadoda
1/16/2020 9:36:06 AM



#30
Chloroform
Concen: 50.814 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.9	77.9





#31

Cvclohexane

Concen: 46.929 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 184923

Ion Ratio Lower Upper

56 100

69 35.4 27.8 41.8

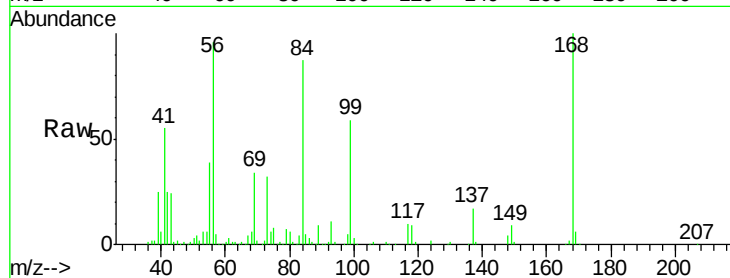
84 89.6 68.9 103.3

Manual Integrations

APPROVED

MMDadoda

1/16/2020 9:36:06 AM

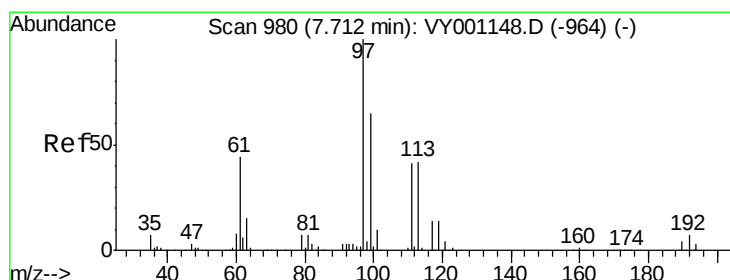
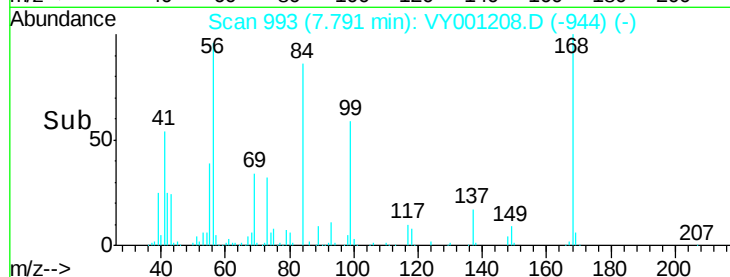
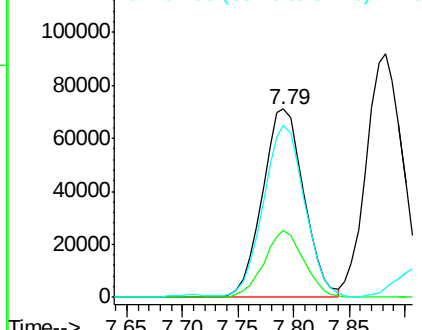


Abundance

Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 49.161 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

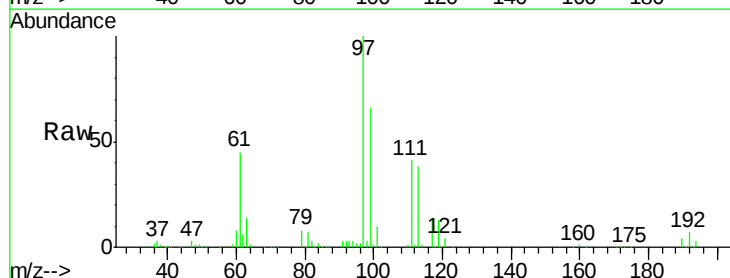
Tgt Ion: 97 Resp: 159061

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 44.4 34.6 52.0

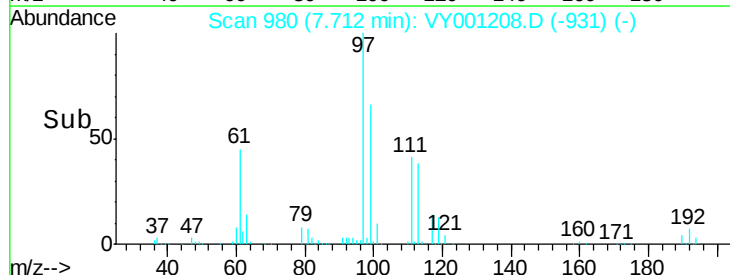
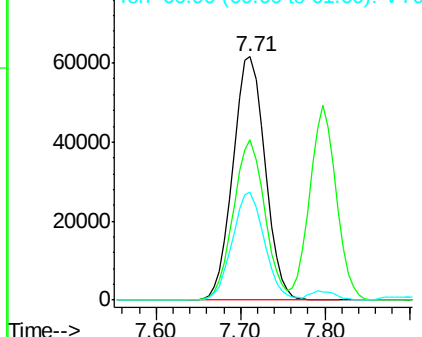


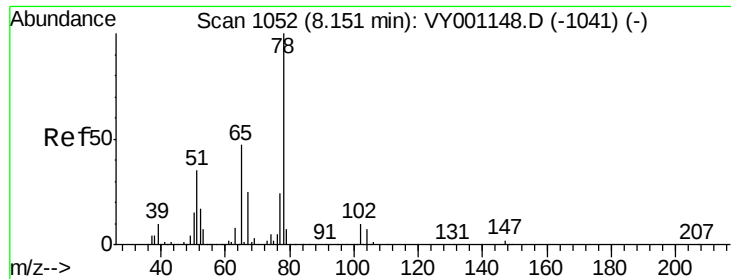
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 46.633 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 95010

Ion Ratio Lower Upper

65 100

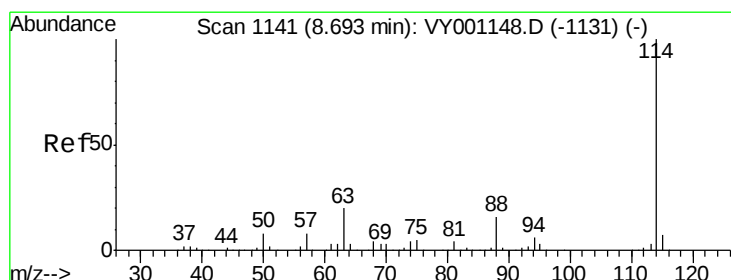
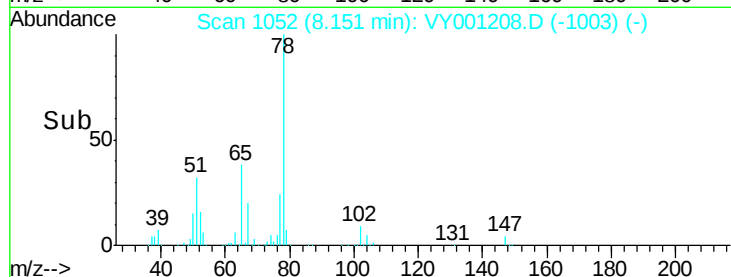
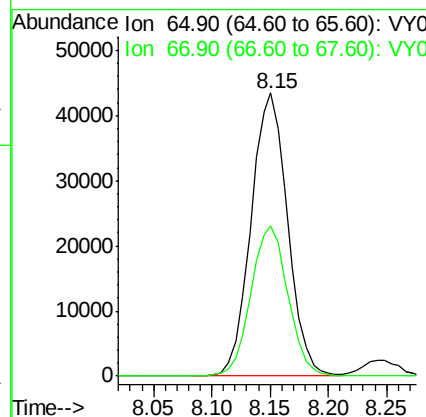
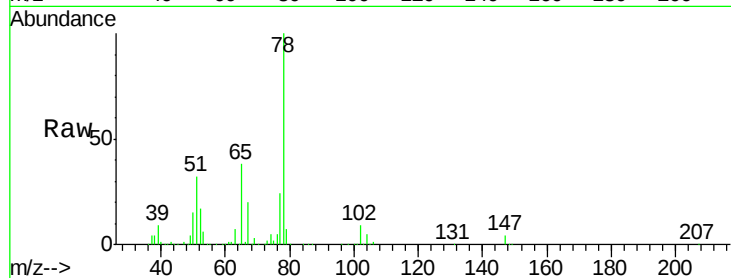
67 53.8 0.0 105.2

Manual Integrations

APPROVED

MMDadoda

1/16/2020 9:36:06 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

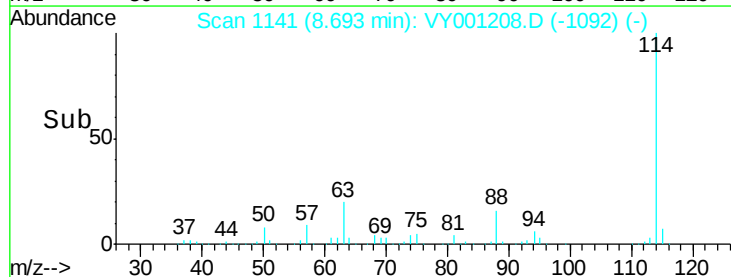
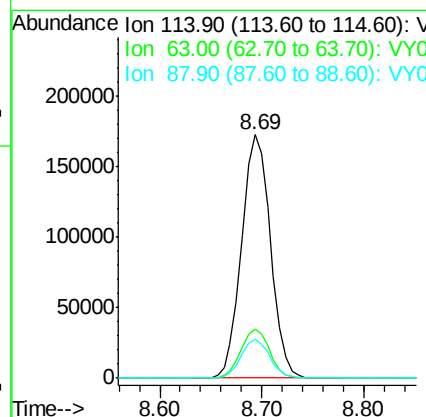
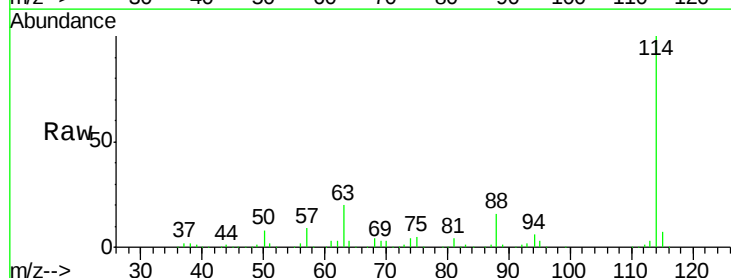
Tgt Ion: 114 Resp: 338558

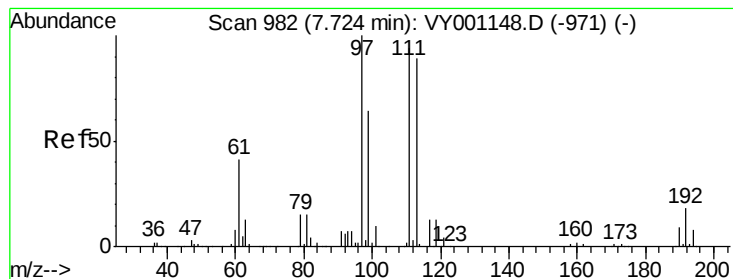
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 16.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.010 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

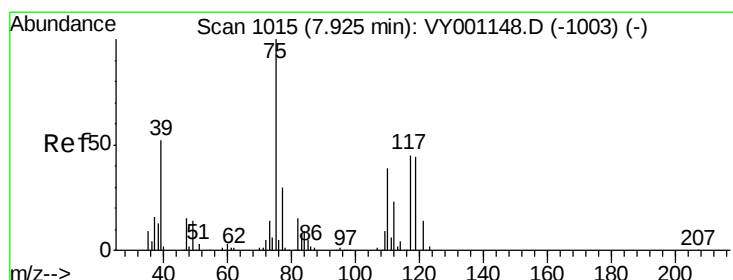
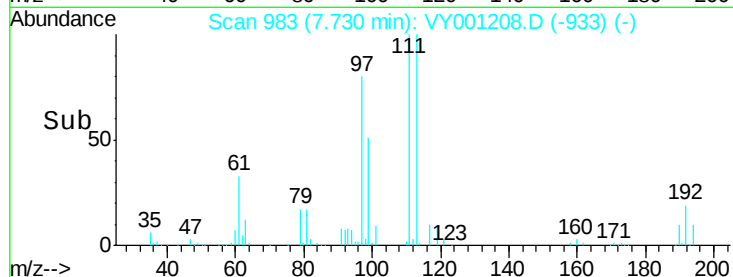
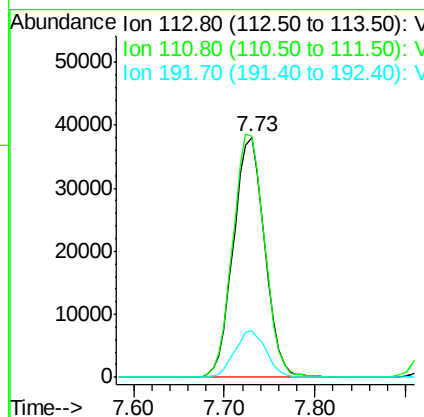
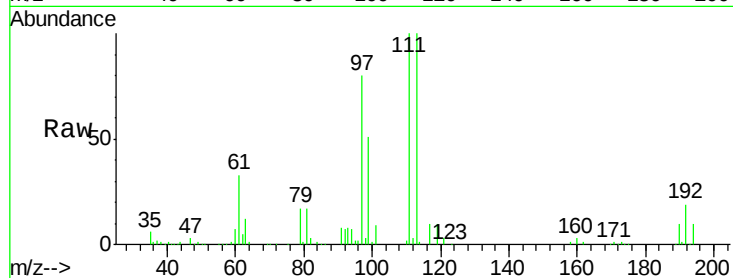
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	91203
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	19.7	15.4	23.2

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:06 AM



#36

1,1-Dichloropropene

Concen: 49.012 ug/l

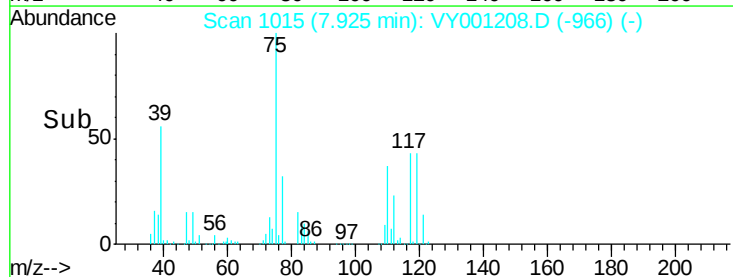
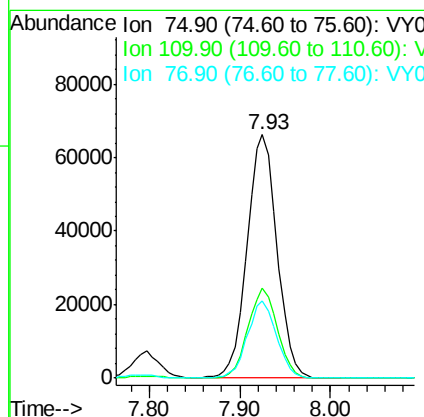
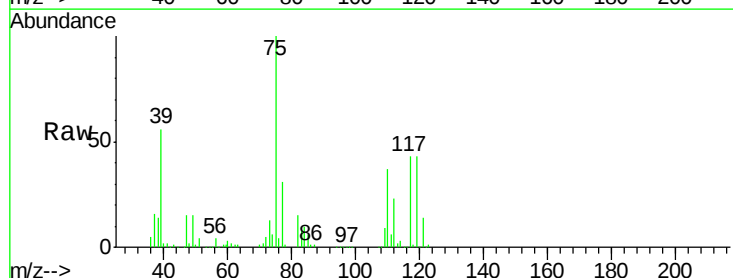
RT: 7.93 min Scan# 1015

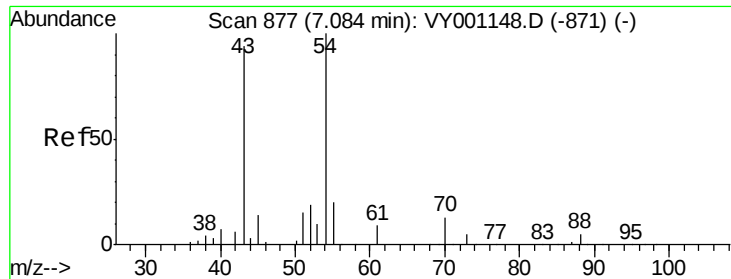
Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Tgt Ion:	75	Resp:	151238
Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.3	54.8
77	31.1	25.1	37.7





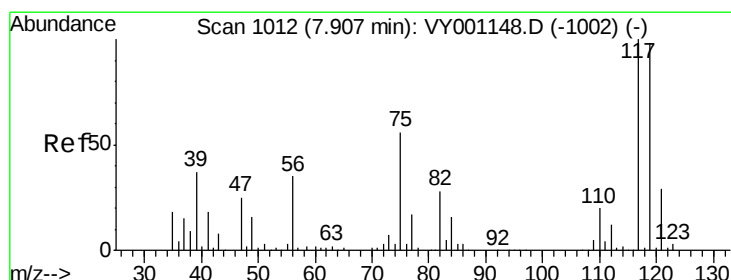
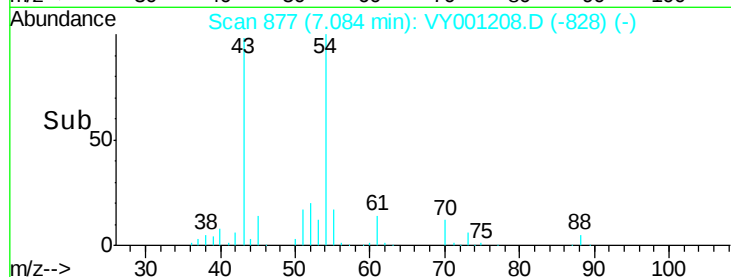
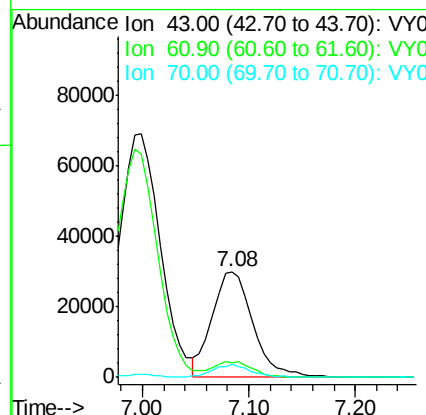
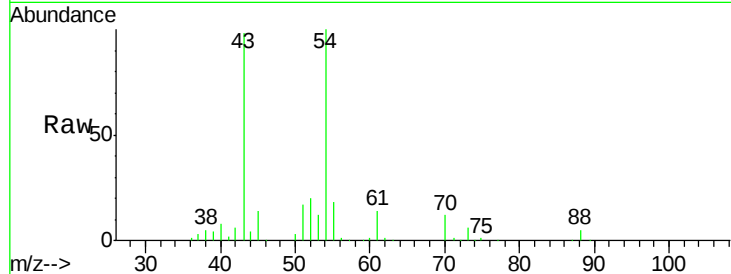
#37
Ethyl Acetate
Concen: 43.469 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.1	16.7
70	11.3	9.7	14.5

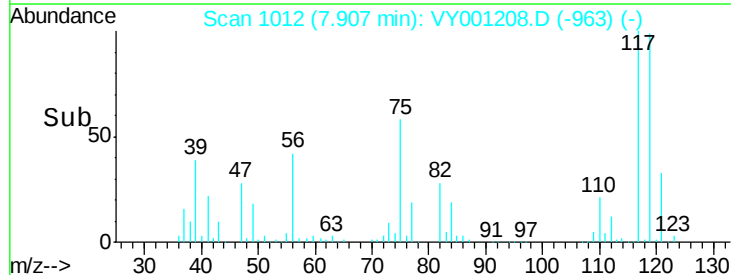
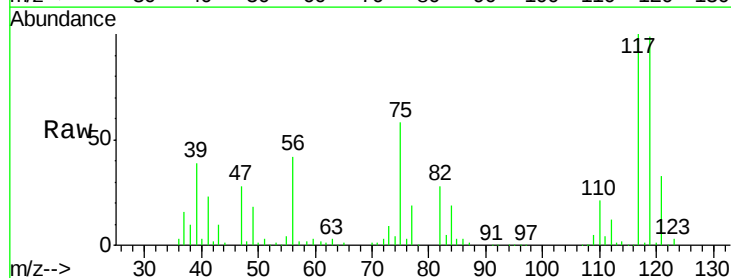
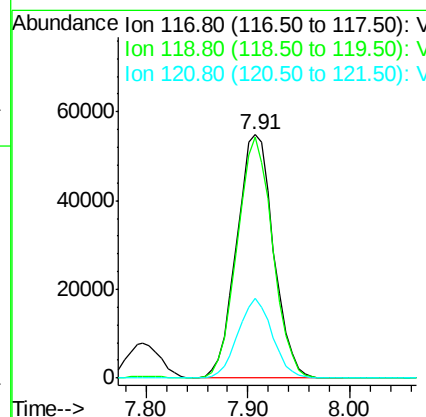
Manual Integrations
APPROVED

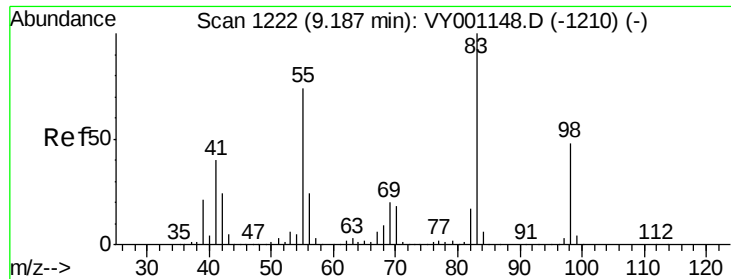
MMDadoda
1/16/2020 9:36:06 AM



#38
Carbon Tetrachloride
Concen: 48.565 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	78.3	117.5
121	32.6	23.5	35.3





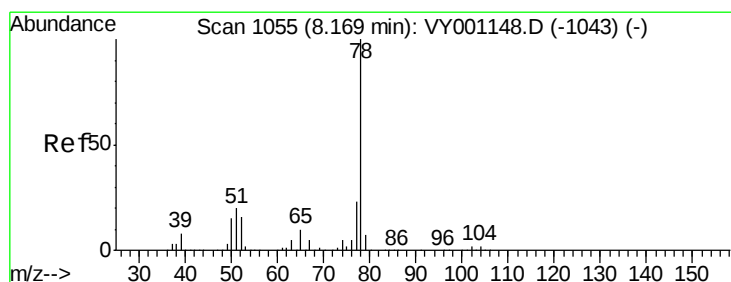
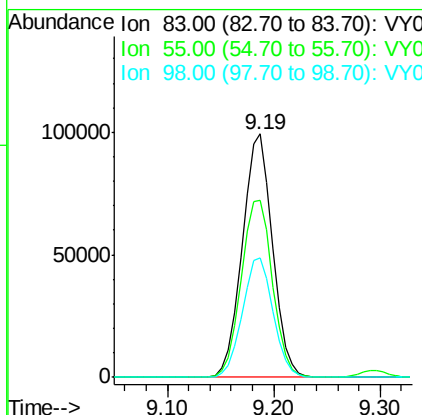
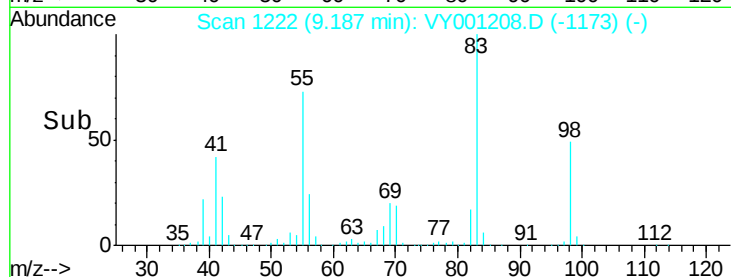
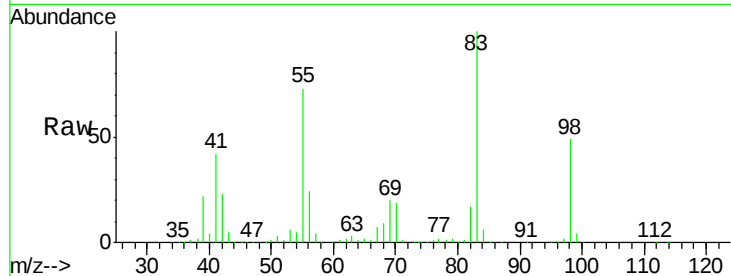
#39
Methvlcvclohexane
Concen: 47.382 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	198219		
55	73.0		58.9	88.3
98	48.9		38.4	57.6

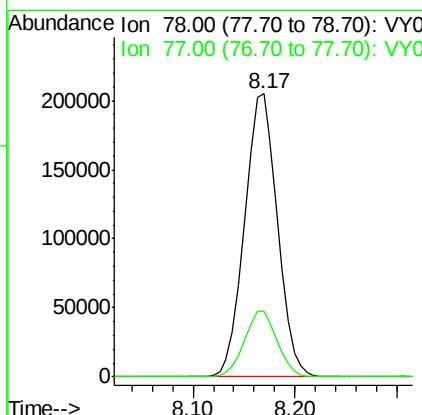
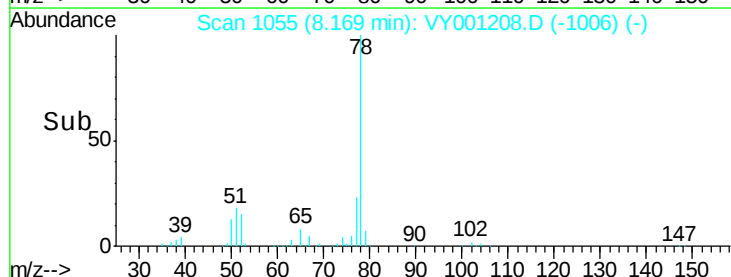
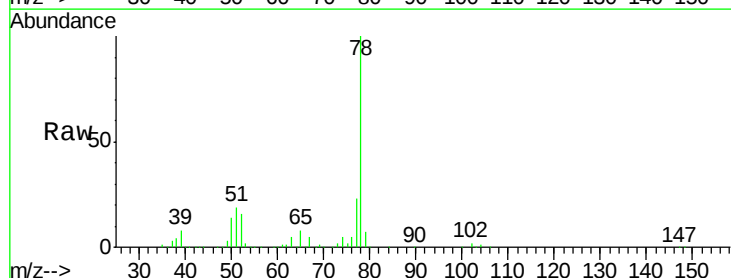
Manual Integrations
APPROVED

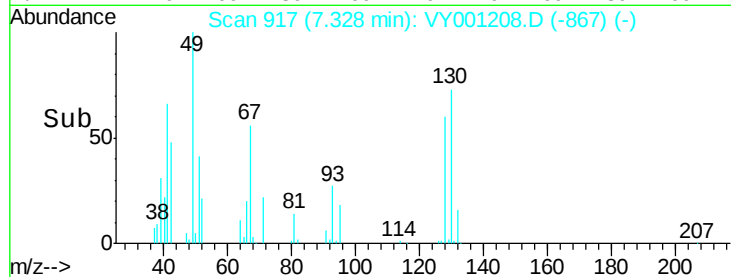
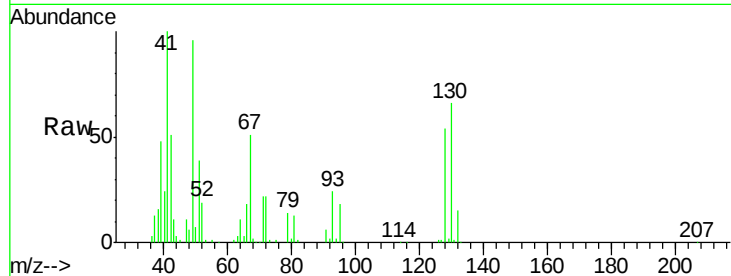
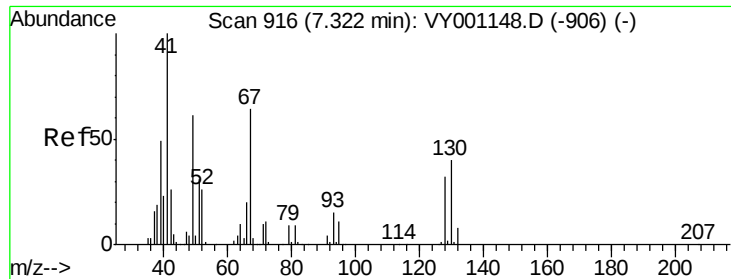
MMDadoda
1/16/2020 9:36:06 AM



#40
Benzene
Concen: 50.947 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	458909		
77	23.3		18.8	28.2





#41

Methacrylonitrile

Concen: 56.706 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. 0.01 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Tot Ion	41	Resp	48238
Ion Ratio	Lower	Upper	
41	100		
39	0.0	103.5	155.3#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :

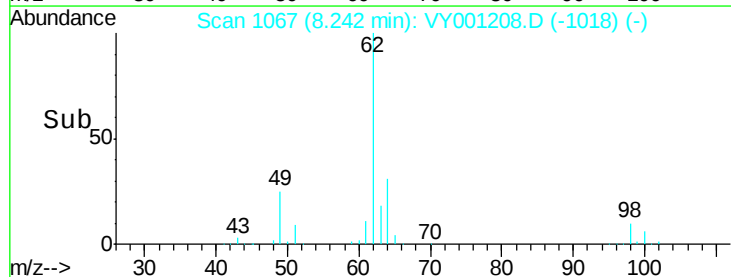
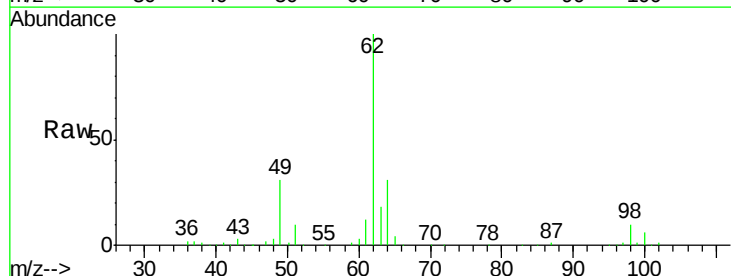
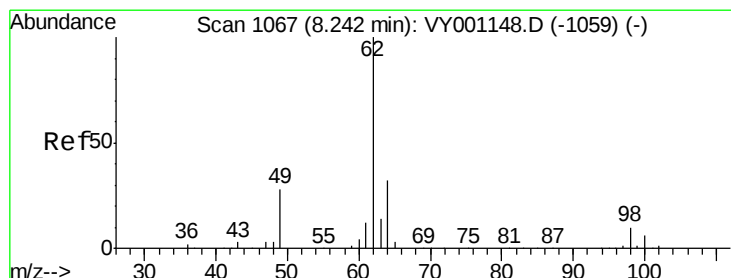
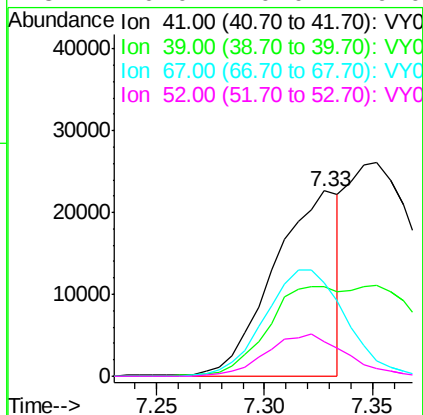
MSVOA_Y

ClientSampleId :

VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:06 AM



#42

1,2-Dichloroethane

Concen: 48.491 ug/l

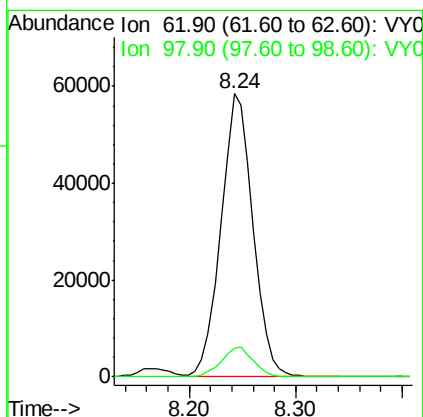
RT: 8.24 min Scan# 1067

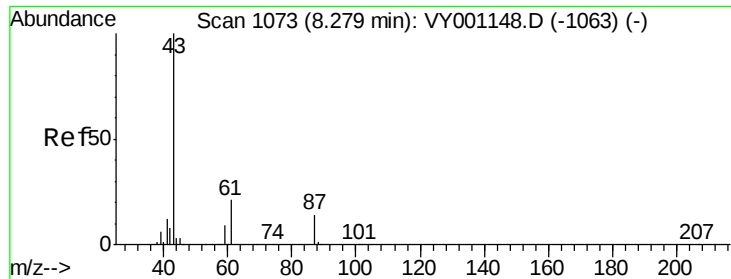
Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Tgt Ion	62	Resp	122304
Ion Ratio	Lower	Upper	
62	100		
98	10.6	0.0	20.4





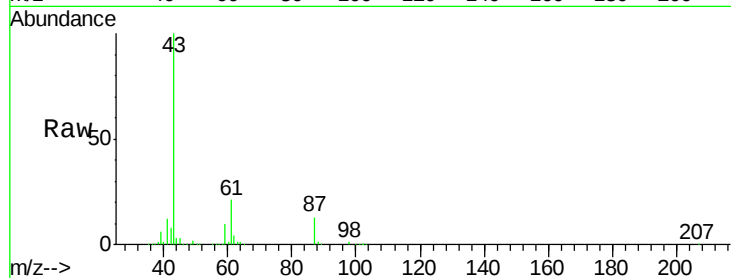
#43
Isopropyl Acetate
Concen: 46.112 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

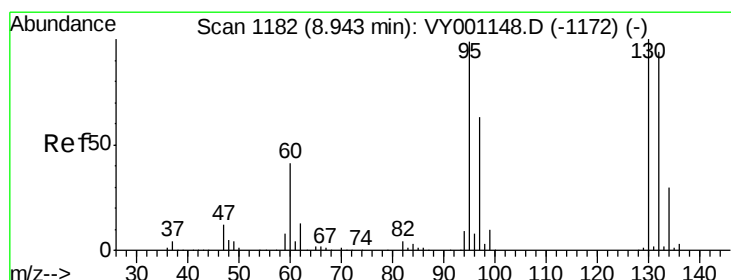
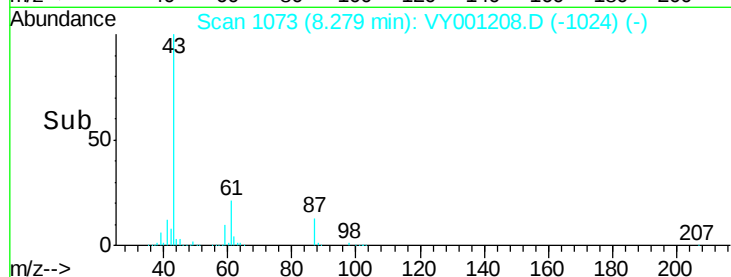
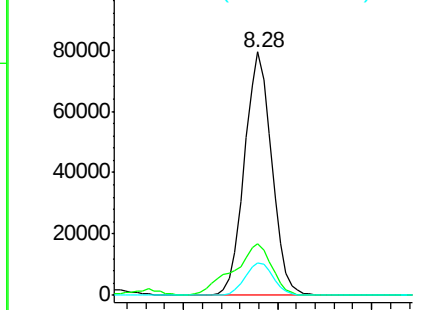
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.9	35.9
87	13.9	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:06 AM

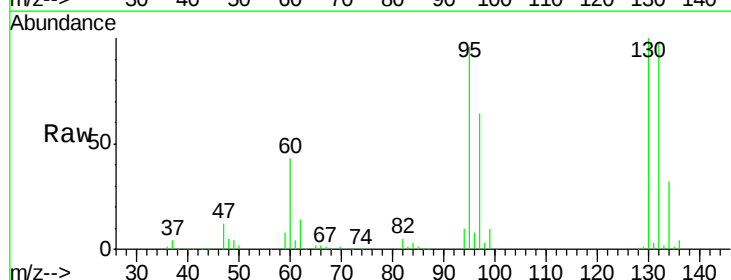


Abundance Ion 43.00 (42.70 to 43.70): VY001148.D (-1063) (-)
Ion 61.00 (60.70 to 61.70): VY001148.D (-1063) (-)
Ion 87.00 (86.70 to 87.70): VY001148.D (-1063) (-)

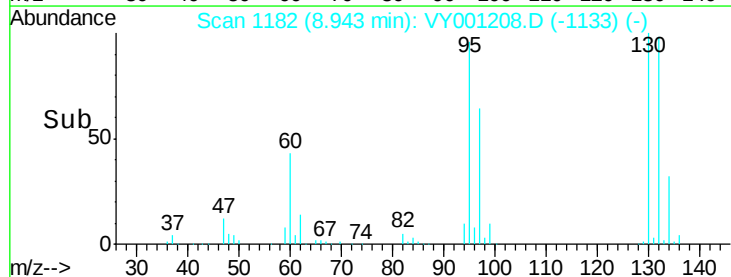
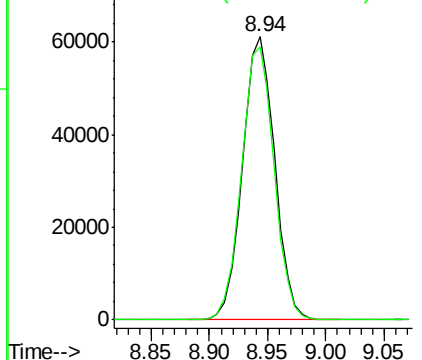


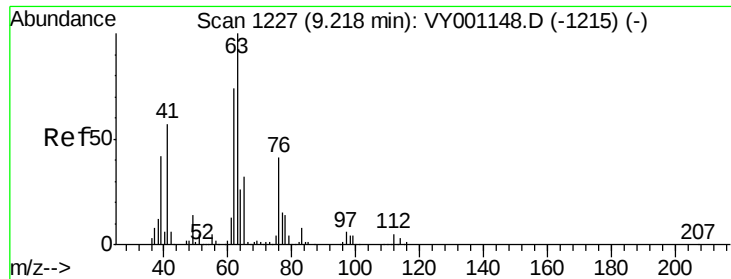
#44
Trichloroethene
Concen: 50.290 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	197.6



Abundance Ion 129.80 (129.50 to 130.50): VY001148.D (-1172) (-)
Ion 94.90 (94.60 to 95.60): VY001148.D (-1172) (-)





#45

1,2-Dichloropropane

Concen: 50.939 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 113432

Ion Ratio Lower Upper

63 100

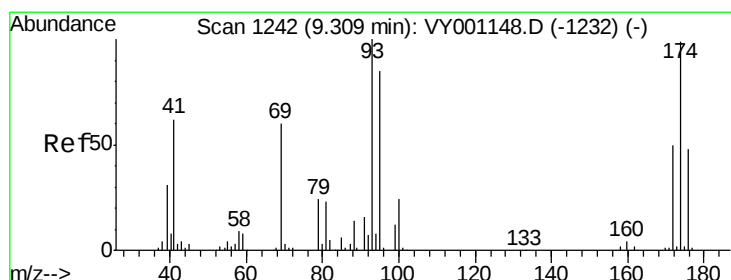
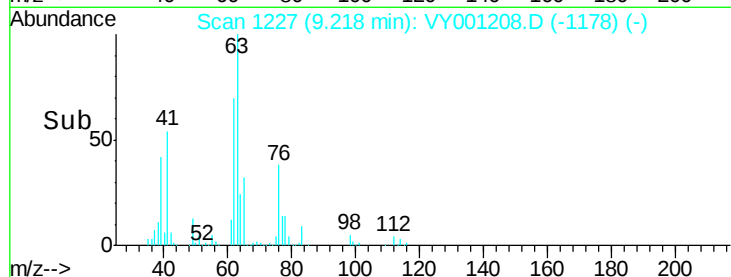
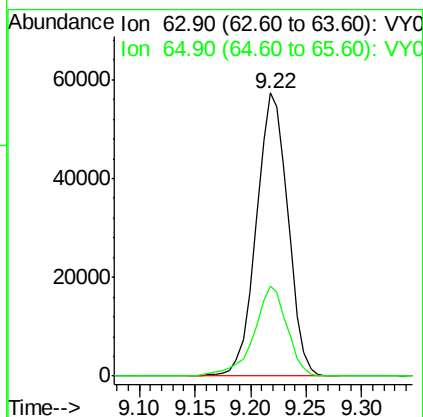
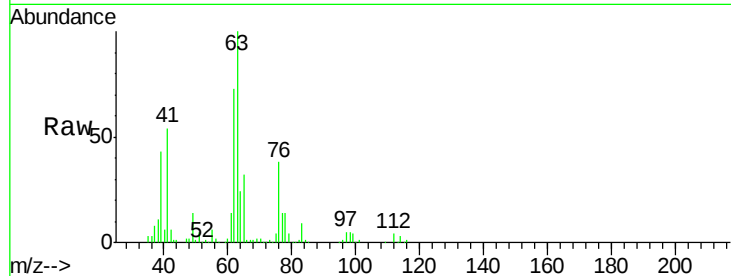
65 32.0 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

1/16/2020 9:36:06 AM



#46

Dibromomethane

Concen: 48.662 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

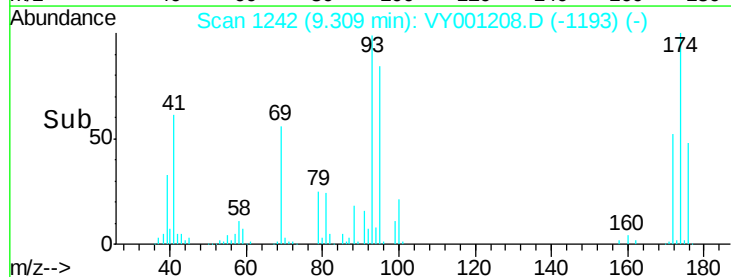
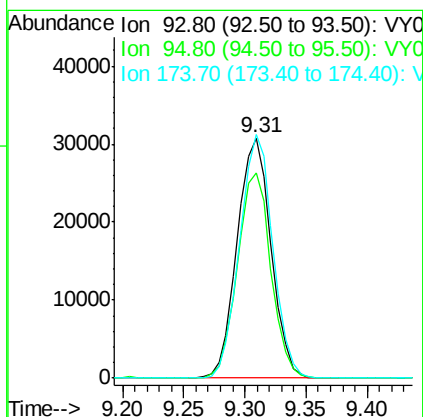
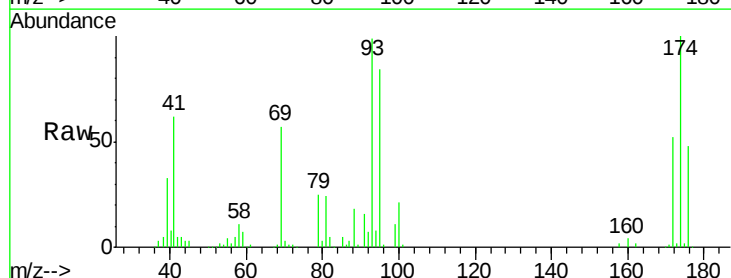
Tgt Ion: 93 Resp: 59124

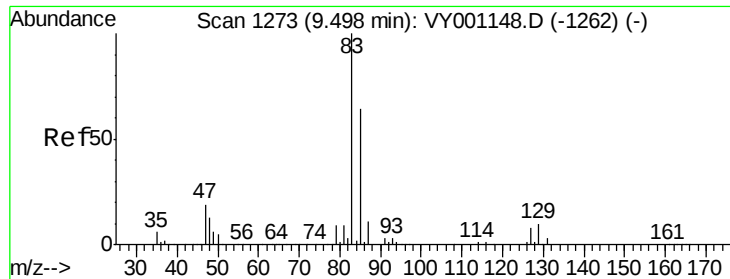
Ion Ratio Lower Upper

93 100

95 84.4 66.8 100.2

174 99.3 78.4 117.6





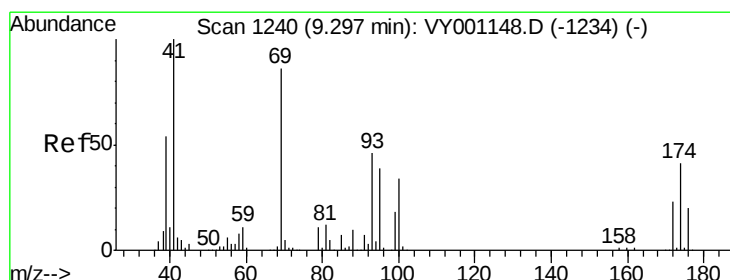
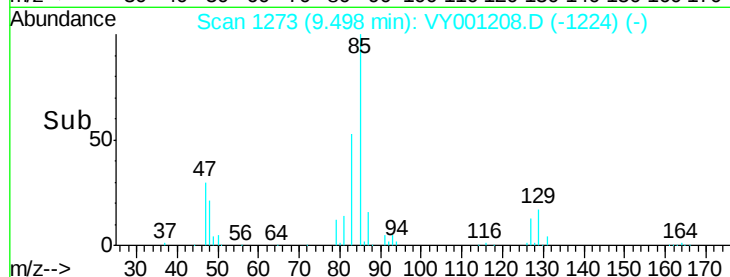
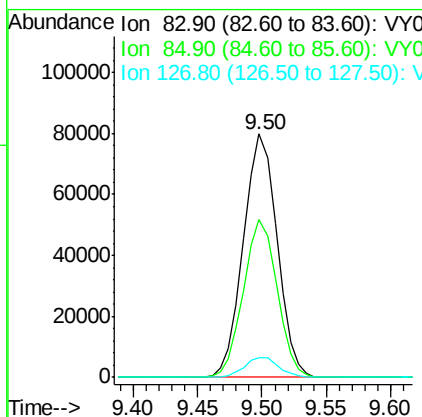
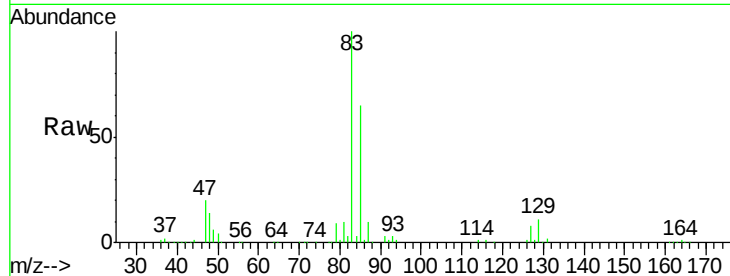
#47
Bromodichloromethane
Concen: 49.045 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	145224
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	51.5	77.3
127	8.1	6.3	9.5

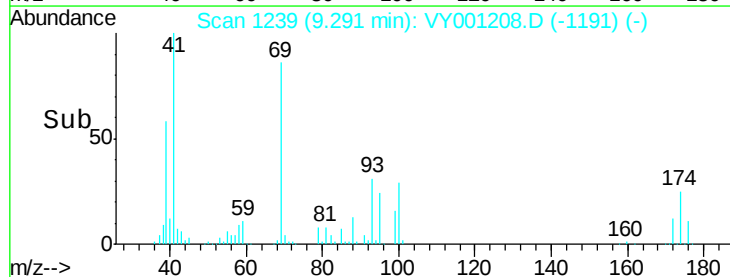
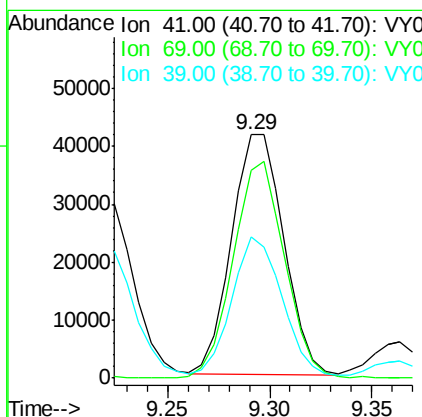
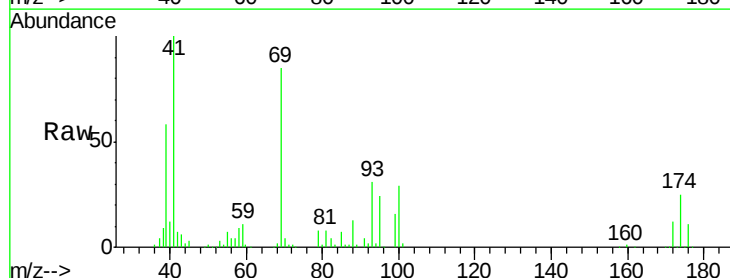
Manual Integrations
APPROVED

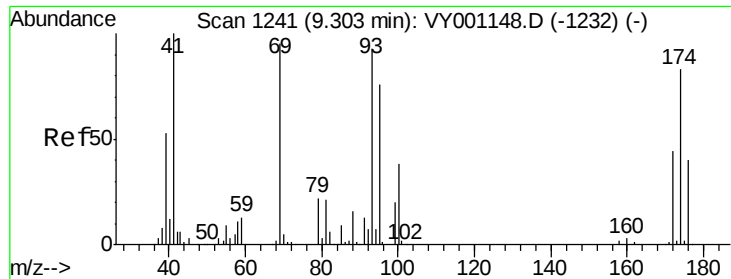
MMDadoda
1/16/2020 9:36:06 AM



#48
Methyl methacrylate
Concen: 45.970 ug/l
RT: 9.29 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion	41	Resp	73666
Ion Ratio	100	Lower	Upper
41	100		
69	89.3	69.8	104.8
39	57.4	45.2	67.8





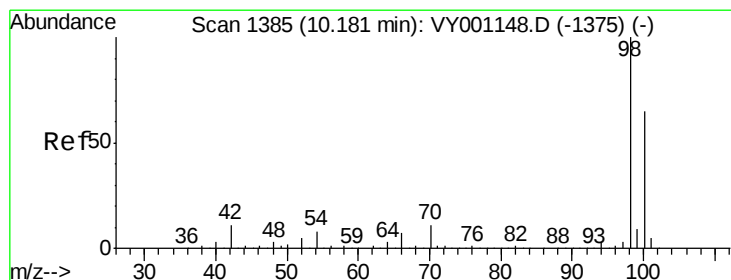
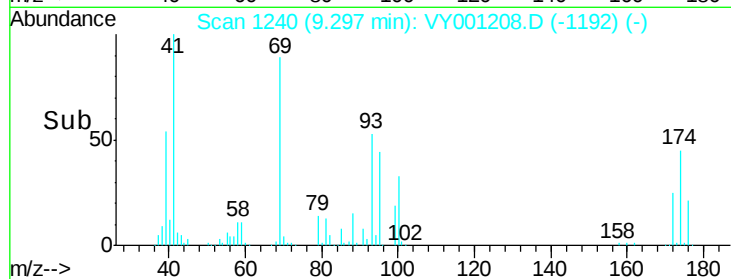
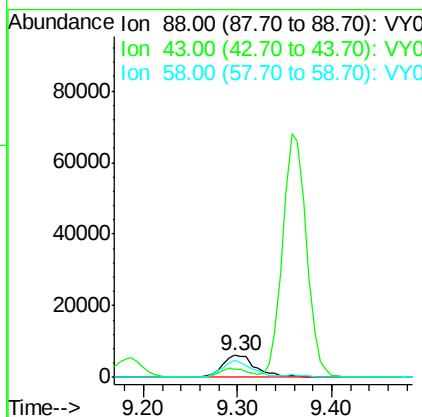
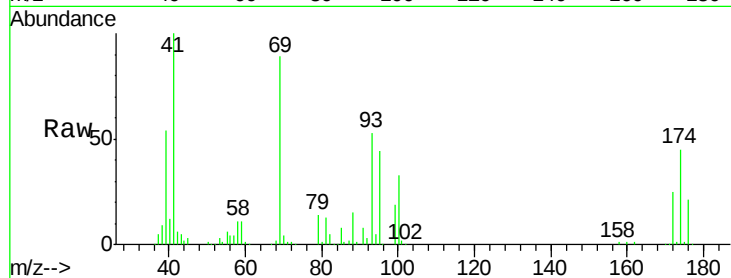
#49
 1,4-Dioxane
 Concen: 1051.125 ug/l
 RT: 9.30 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VY001208.D
 Acq: 15 Jan 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	22.4	33.6
58	65.2	58.0	87.0

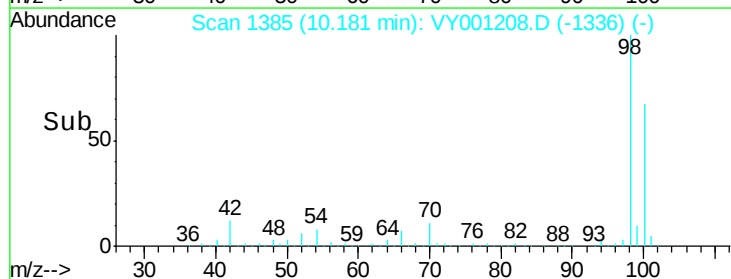
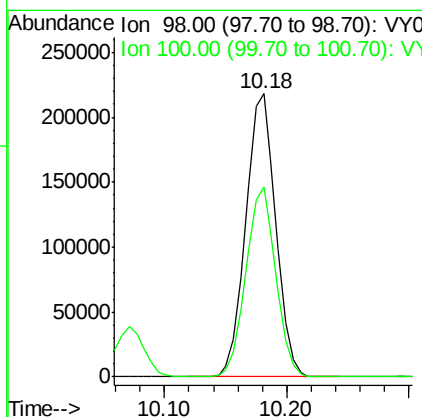
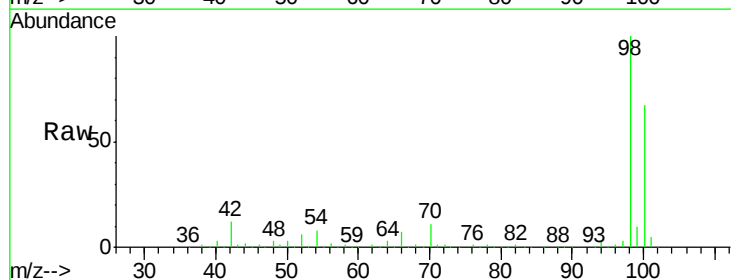
Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:36:06 AM



#50
 Toluene-d8
 Concen: 48.670 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY001208.D
 Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.1	79.7





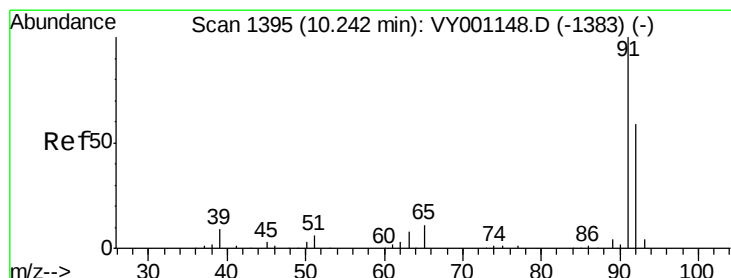
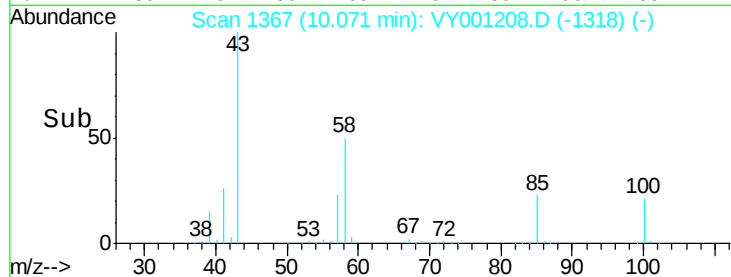
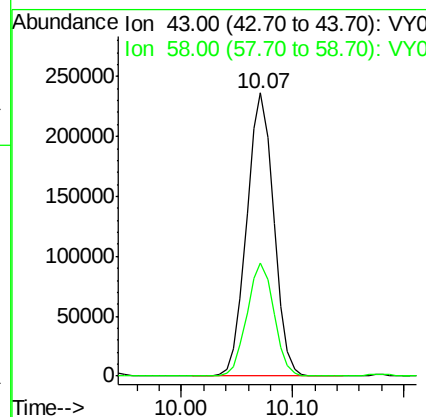
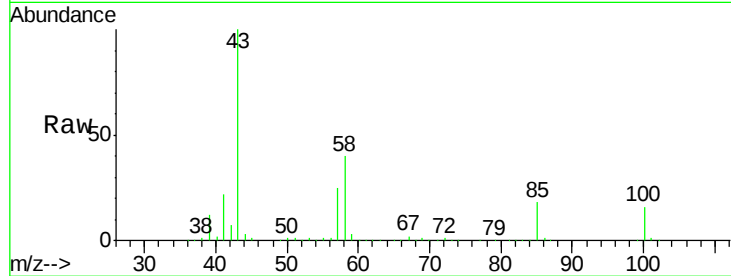
#51
4-Methyl-2-Pentanone
Concen: 226.372 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.9	32.3	48.5

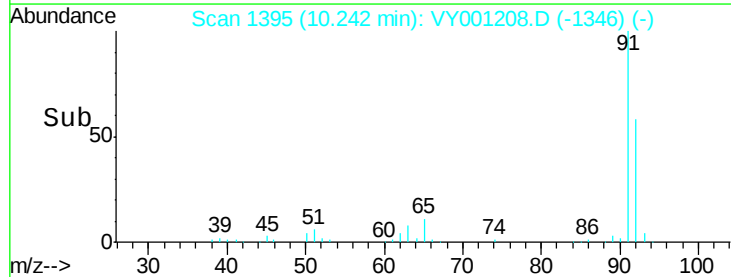
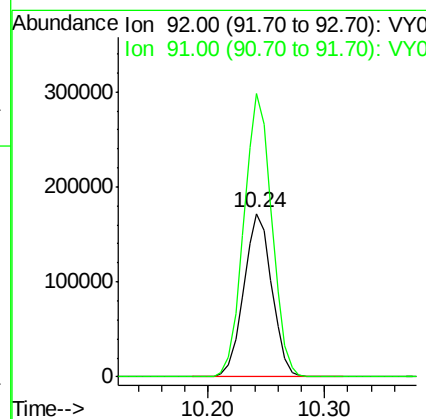
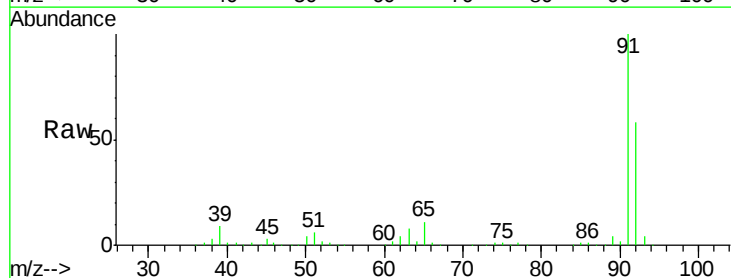
Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:06 AM



#52
Toluene
Concen: 50.153 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.0	136.6	204.8





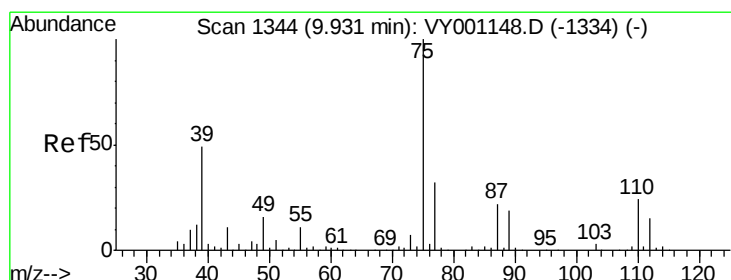
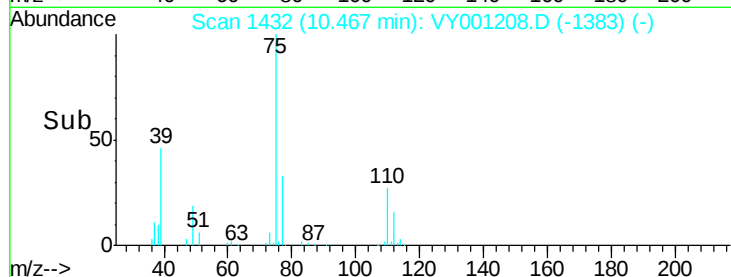
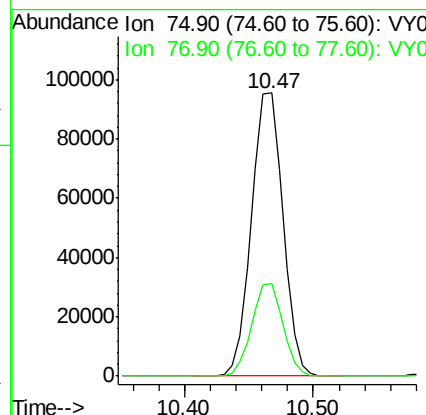
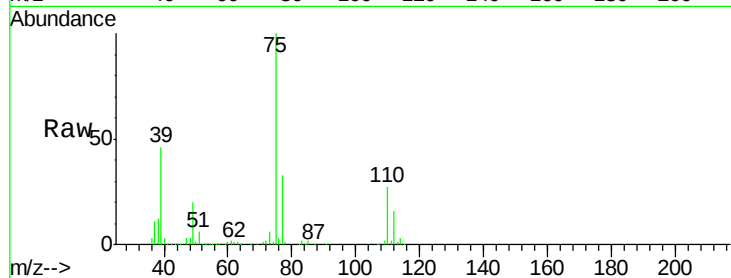
#53
 t-1,3-Dichloropropene
 Concen: 48.550 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VY001208.D
 Acq: 15 Jan 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.2	39.2

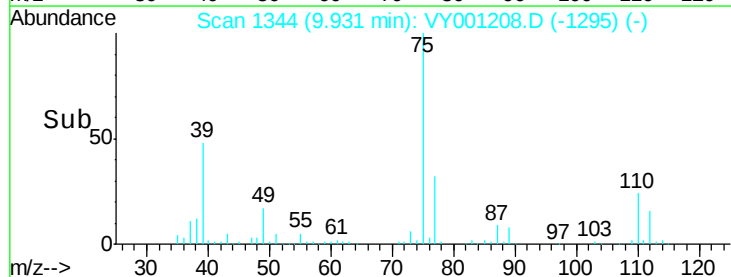
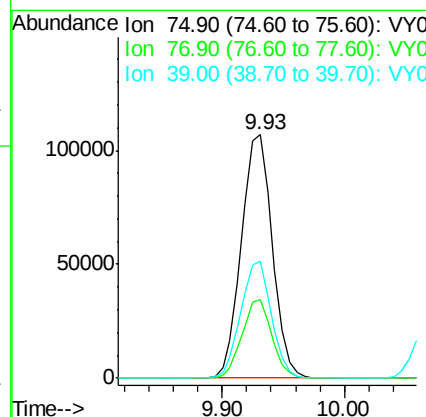
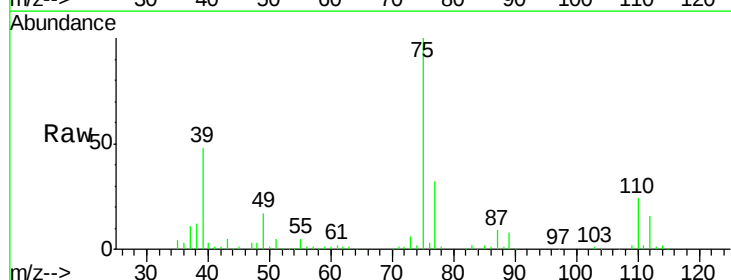
Manual Integrations
 APPROVED

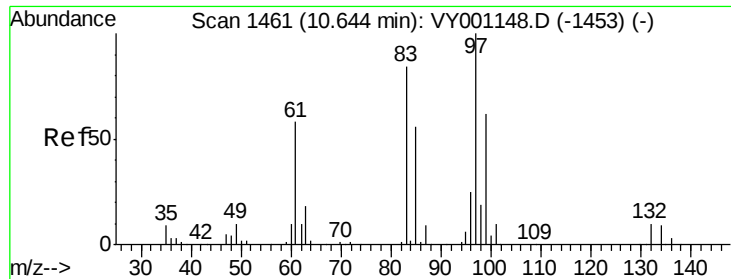
MMDadoda
 1/16/2020 9:36:06 AM



#54
 cis-1,3-Dichloropropene
 Concen: 50.132 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY001208.D
 Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9
39	48.0	39.1	58.7





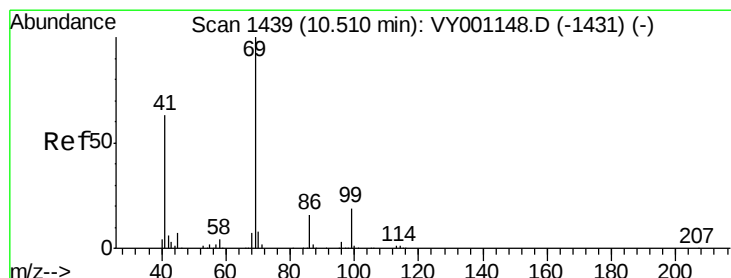
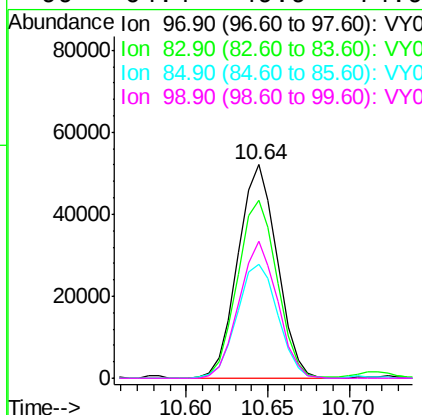
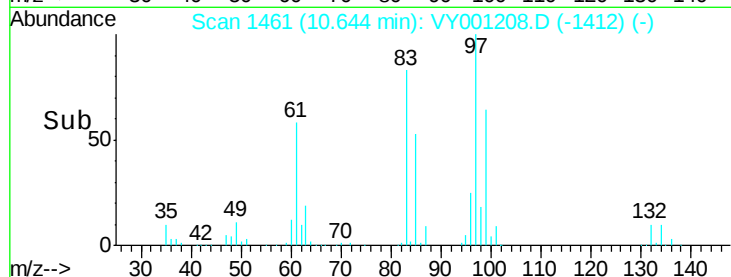
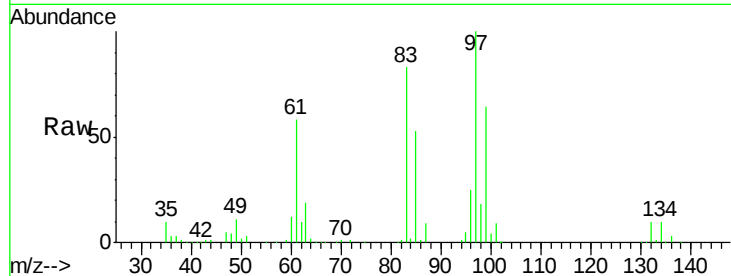
#55
 1,1,2-Trichloroethane
 Concen: 48.355 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001208.D
 Acq: 15 Jan 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		87098		
83	83.4	67.2	100.8		
85	53.4	44.9	67.3		
99	64.4	49.9	74.9		

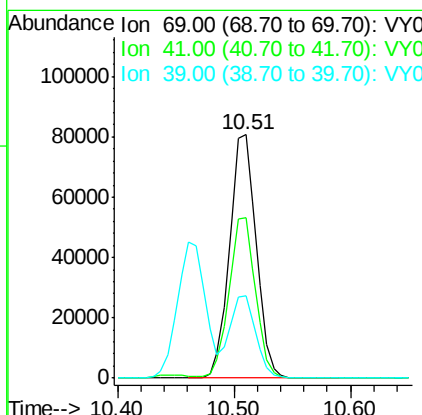
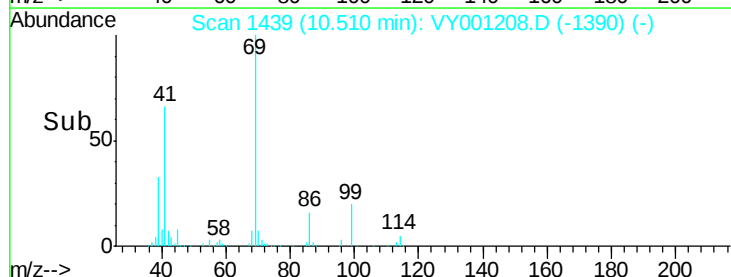
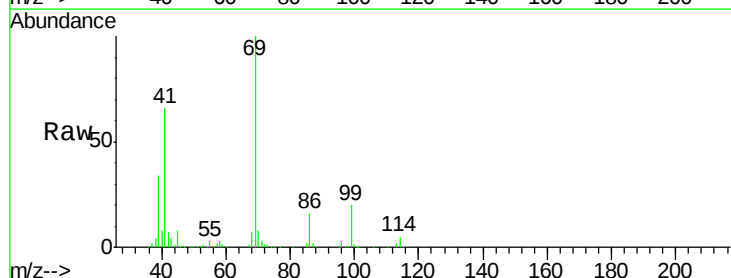
Manual Integrations
 APPROVED

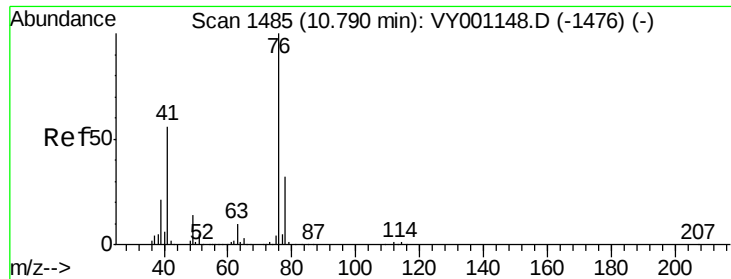
MMDadoda
 1/16/2020 9:36:06 AM



#56
 Ethyl methacrylate
 Concen: 46.643 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001208.D
 Acq: 15 Jan 2020 11:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		128515		
41	64.9	51.4	77.2		
39	33.2	26.3	39.5		





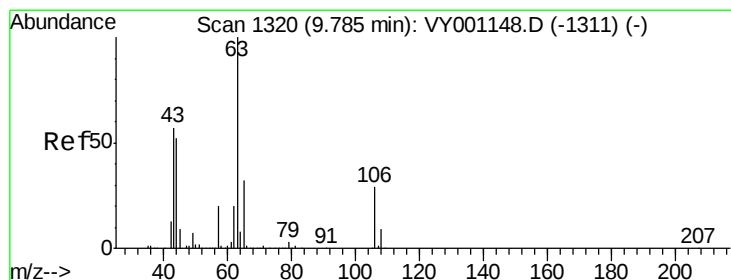
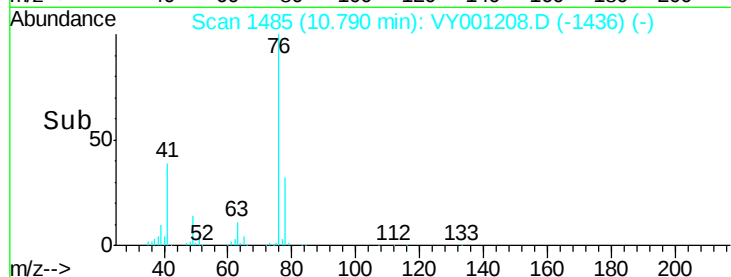
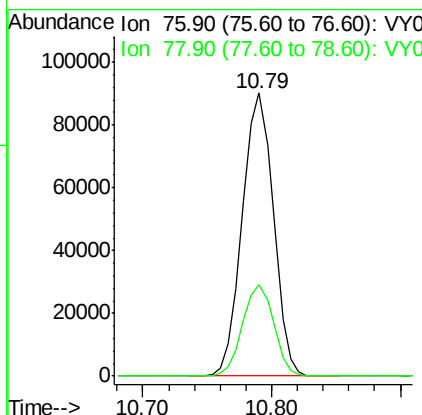
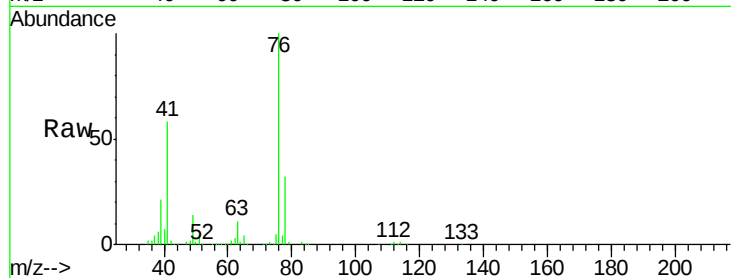
#57
 1,3-Dichloropropane
 Concen: 48.829 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001208.D
 Acq: 15 Jan 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.1	39.1

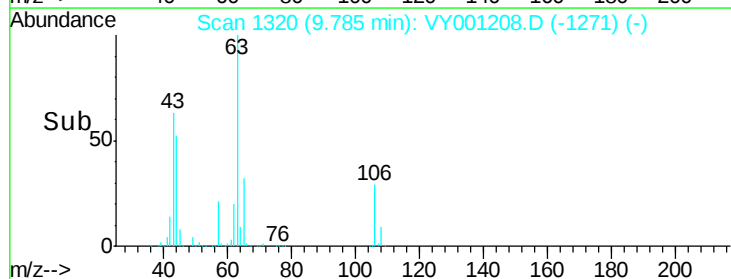
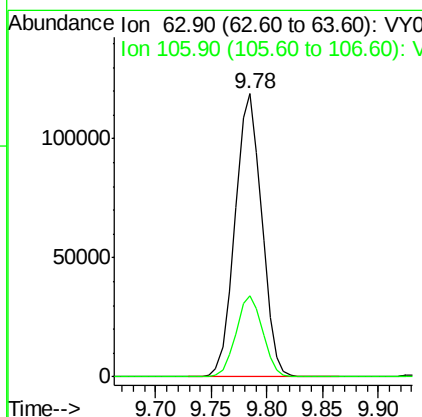
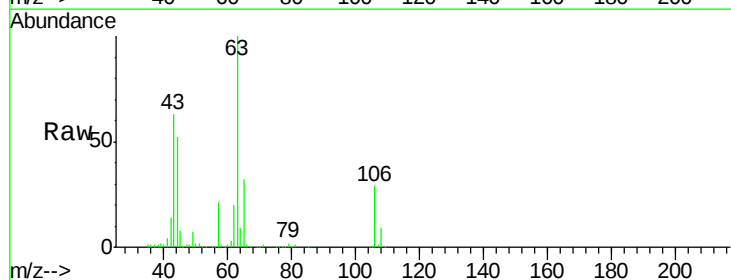
Manual Integrations
 APPROVED

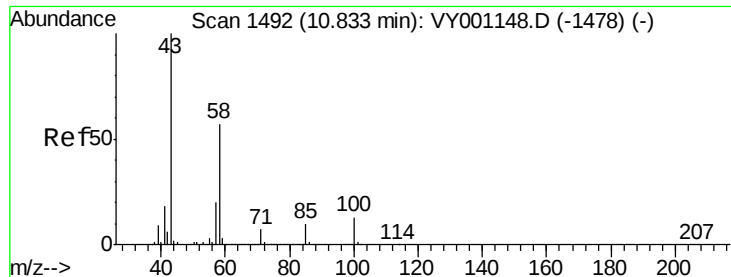
MMDadoda
 1/16/2020 9:36:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 204.131 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001208.D
 Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	23.0	34.6





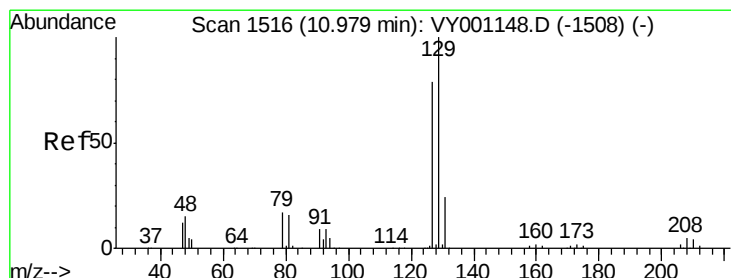
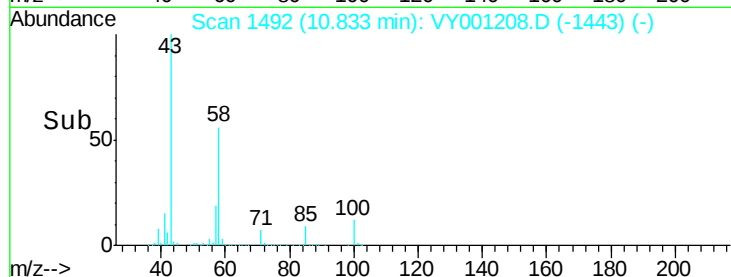
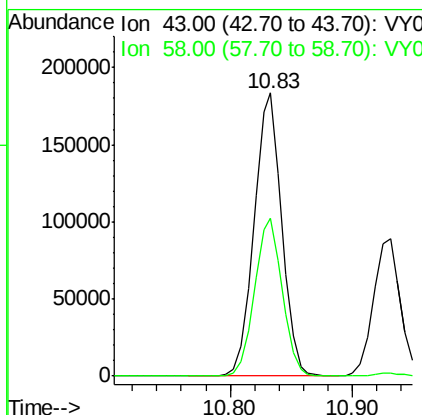
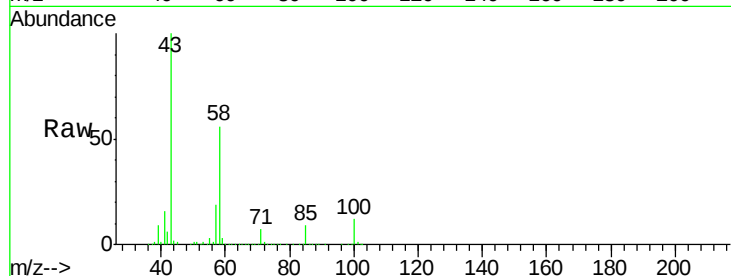
#59
2-Hexanone
Concen: 234.514 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	28.4	85.2

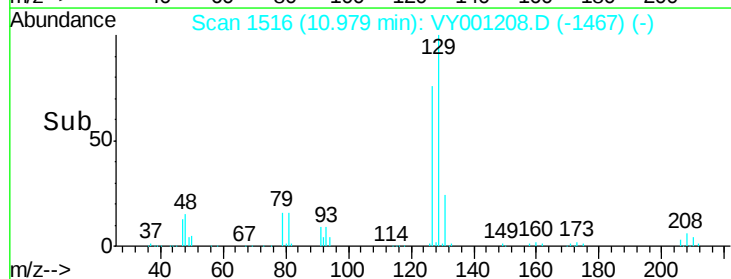
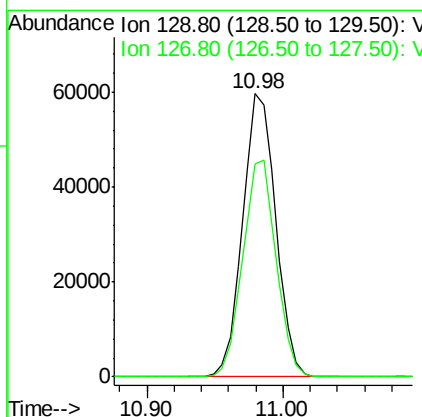
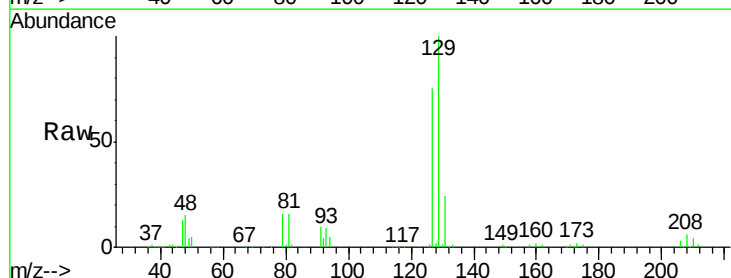
Manual Integrations
APPROVED

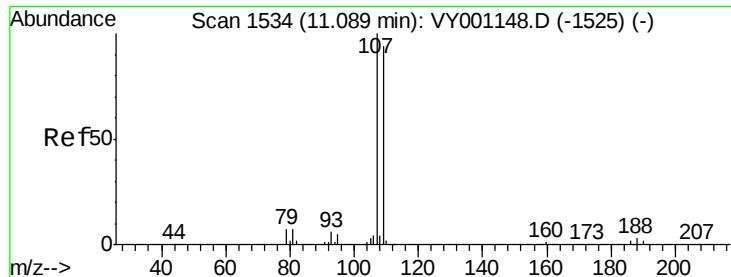
MMDadoda
1/16/2020 9:36:06 AM



#60
Dibromochloromethane
Concen: 49.089 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.9	116.7





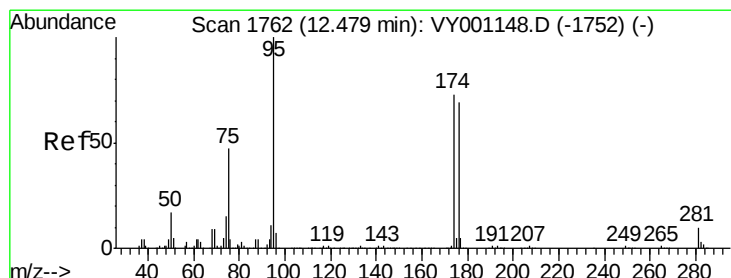
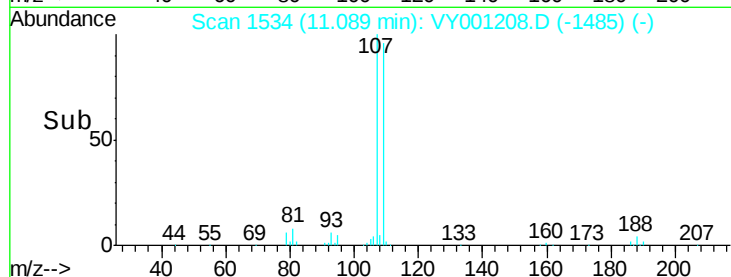
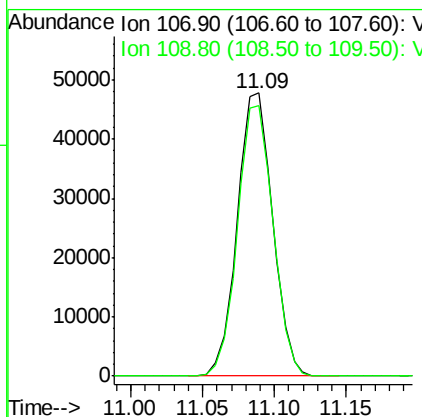
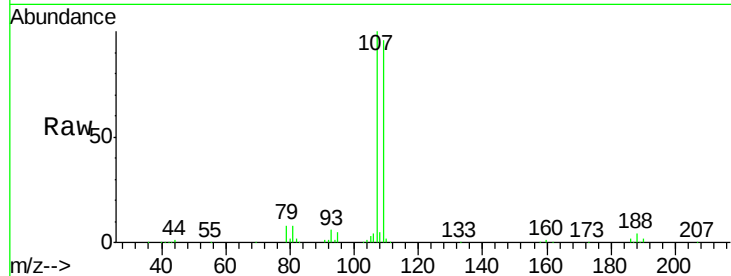
#61
 1,2-Dibromoethane
 Concen: 46.382 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001208.D
 Acq: 15 Jan 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 81576
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.4 113.0

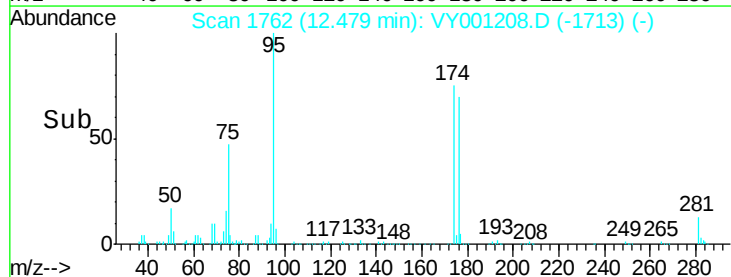
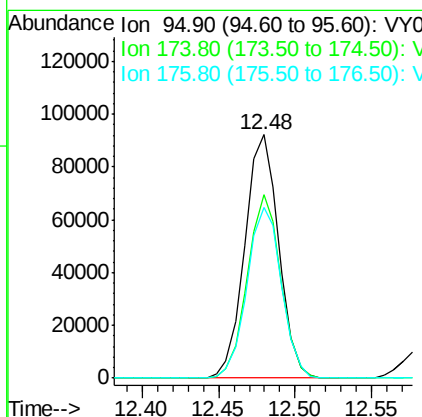
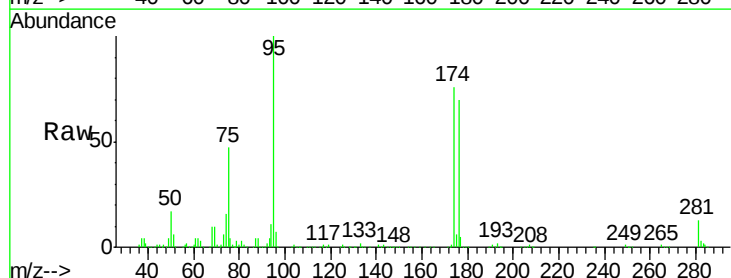
Manual Integrations
 APPROVED

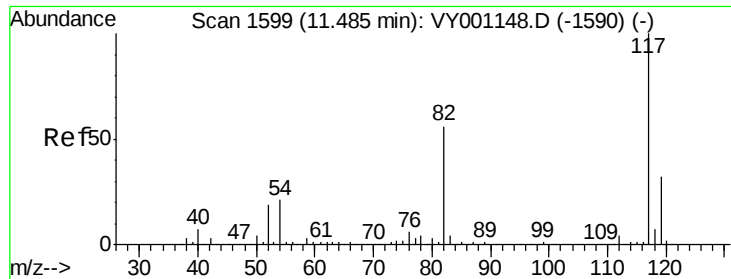
MMDadoda
 1/16/2020 9:36:06 AM



#62
 4-Bromofluorobenzene
 Concen: 45.327 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001208.D
 Acq: 15 Jan 2020 11:19

Tgt Ion: 95 Resp: 141539
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 143.2
 176 71.4 0.0 136.0





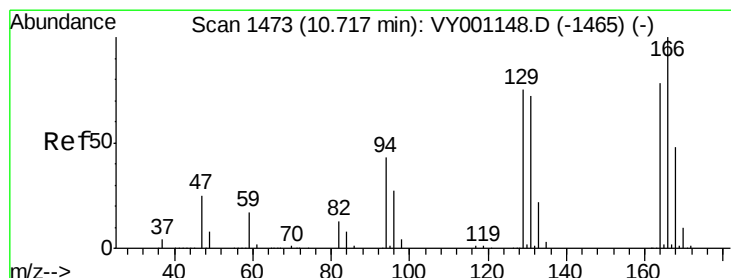
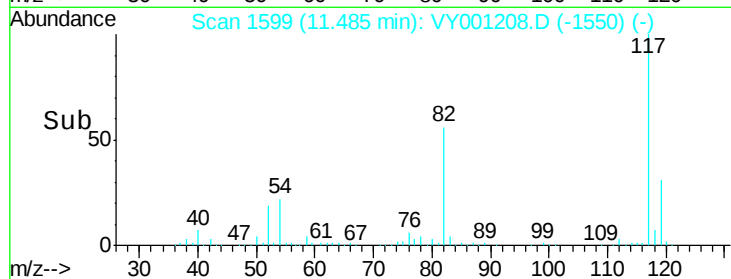
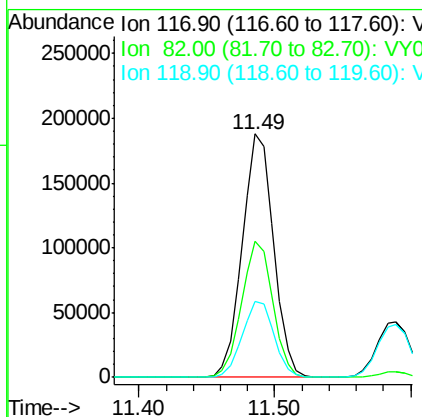
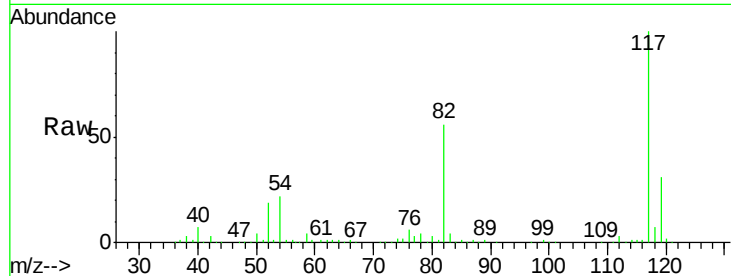
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.9	67.3
119	31.3	25.7	38.5

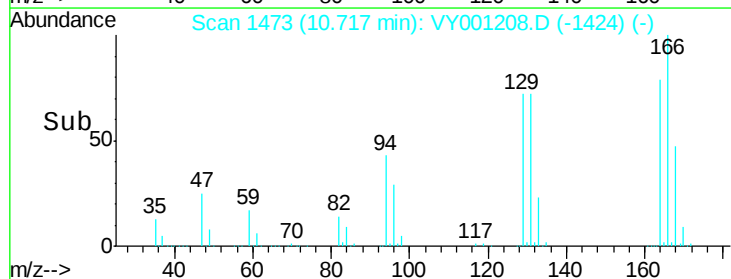
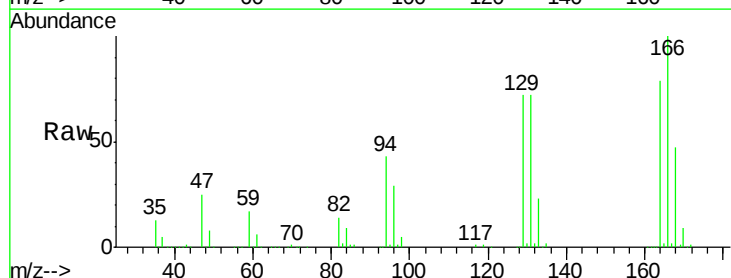
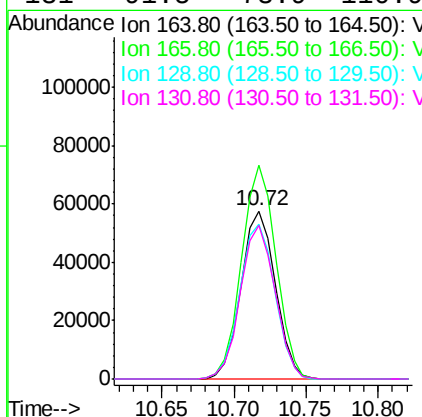
Manual Integrations
APPROVED

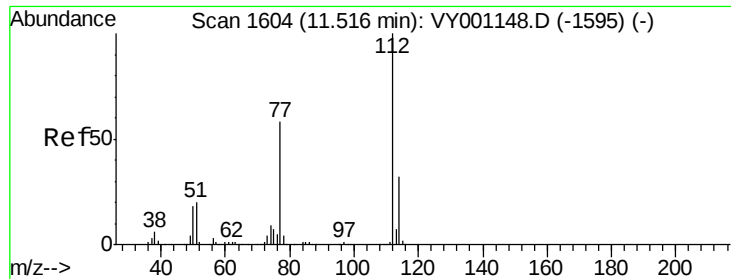
MMDadoda
1/16/2020 9:36:06 AM



#64
Tetrachloroethene
Concen: 48.814 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.3	153.5
129	92.0	76.2	114.4
131	91.5	73.9	110.9





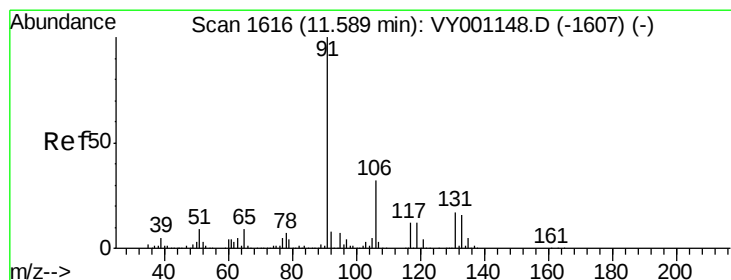
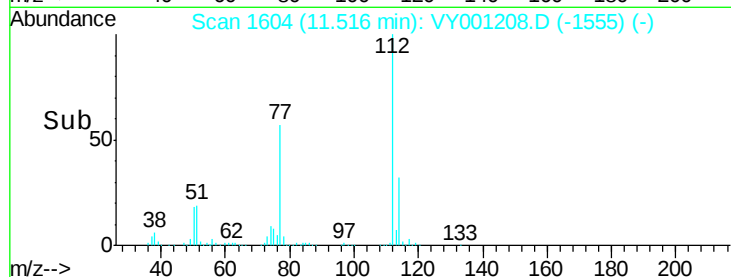
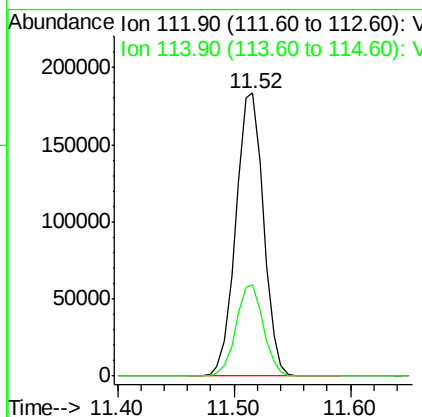
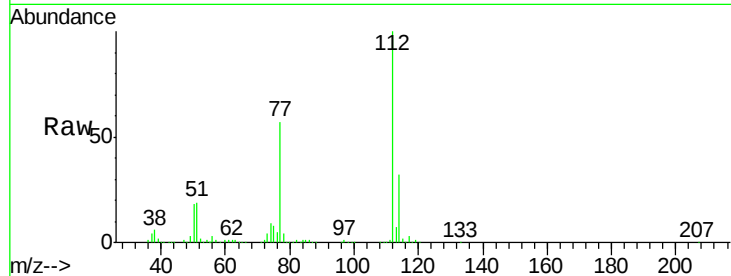
#65
Chlorobenzene
Concen: 50.339 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 303958
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9

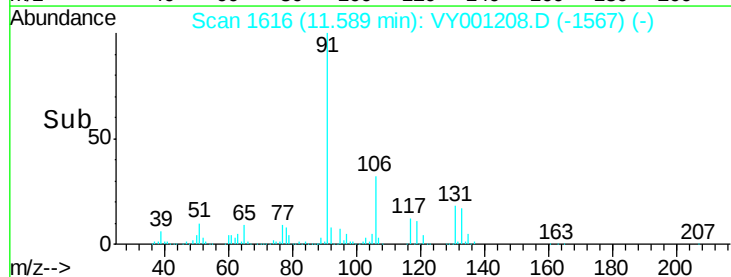
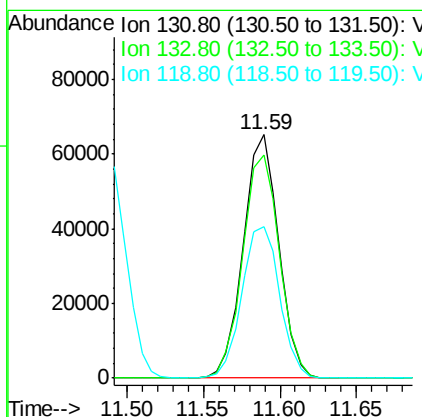
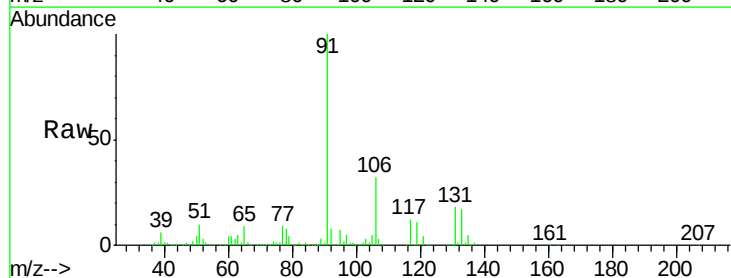
Manual Integrations
APPROVED

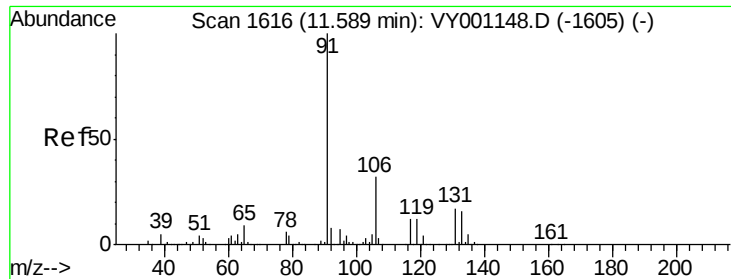
MMDadoda
1/16/2020 9:36:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.460 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion:131 Resp: 105012
Ion Ratio Lower Upper
131 100
133 95.2 47.3 142.0
119 66.3 33.6 100.8





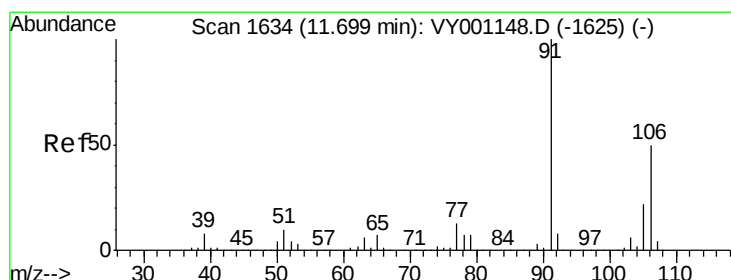
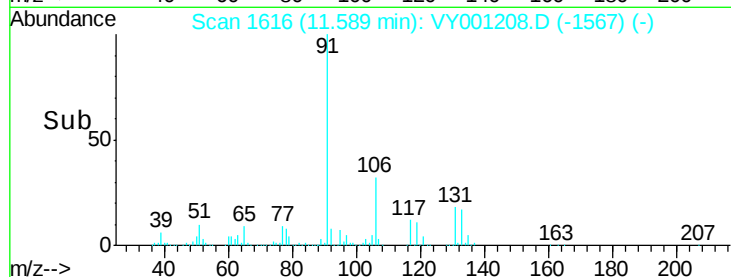
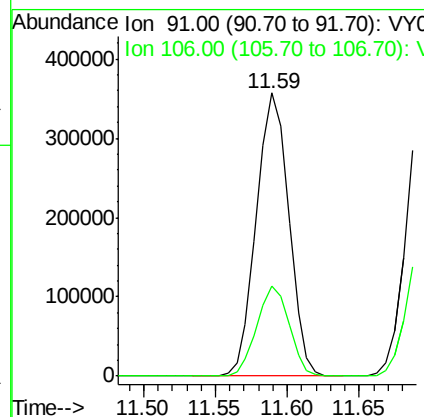
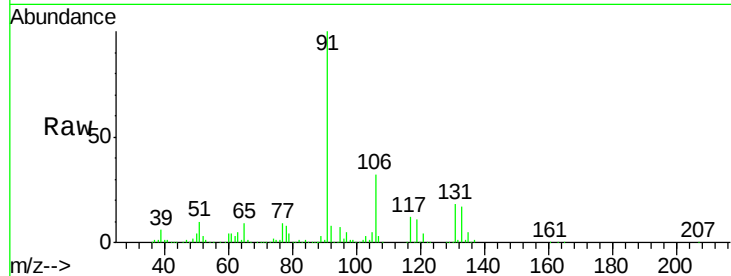
#67
Ethyl Benzene
Concen: 50.407 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 556787
Ion Ratio Lower Upper
91 100
106 31.8 25.3 37.9

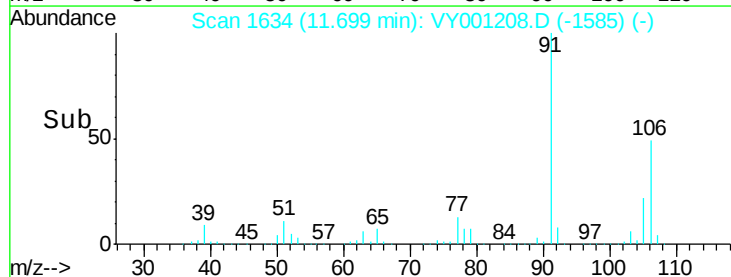
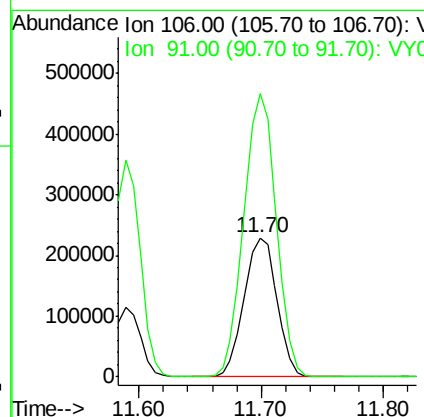
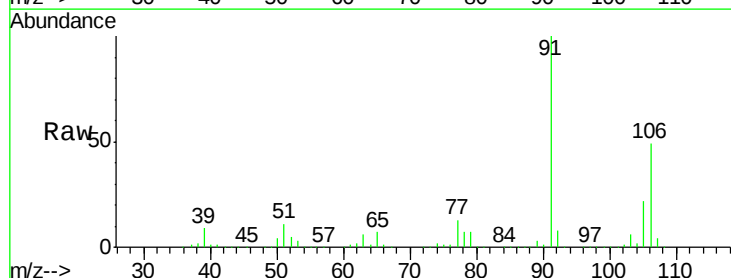
Manual Integrations
APPROVED

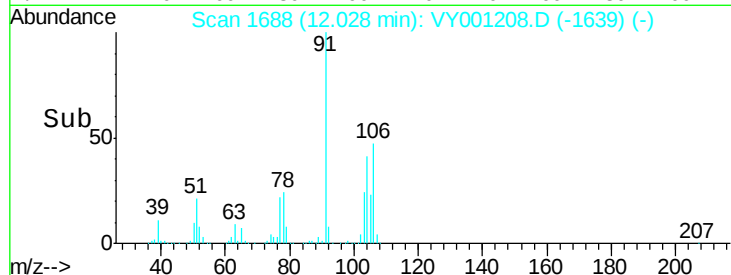
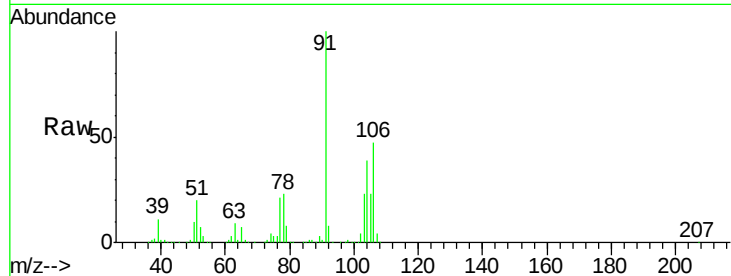
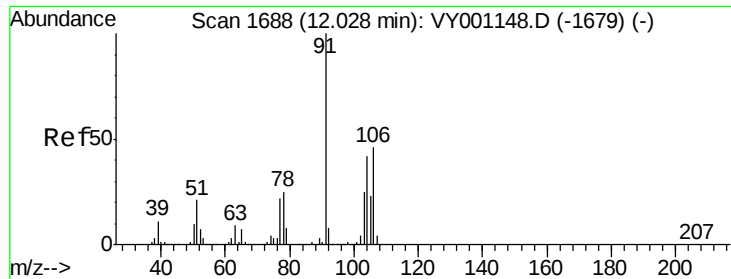
MMDadoda
1/16/2020 9:36:06 AM



#68
m/p-Xylenes
Concen: 102.654 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion: 106 Resp: 427740
Ion Ratio Lower Upper
106 100
91 200.4 161.4 242.2





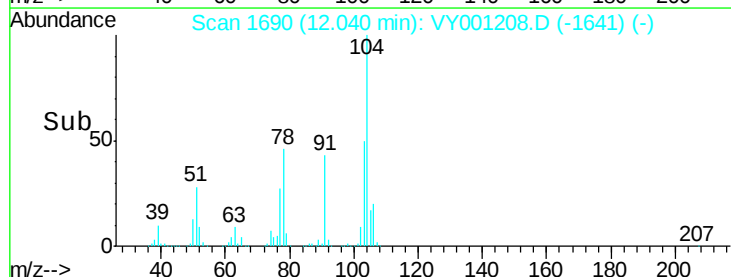
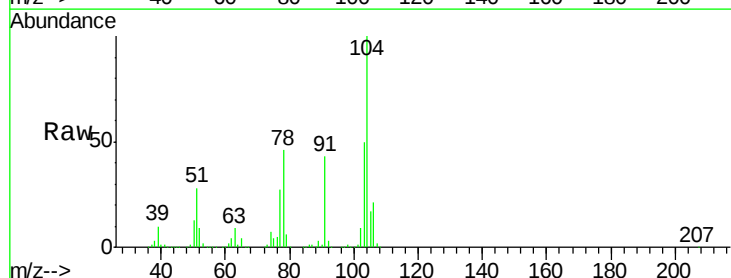
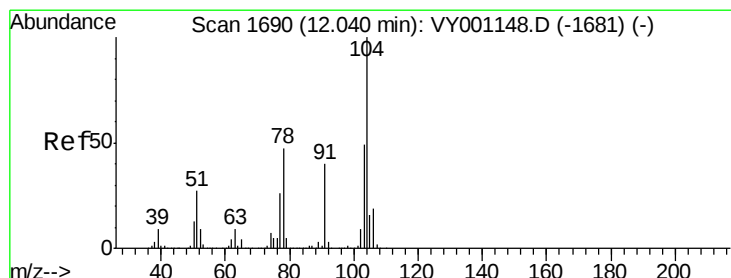
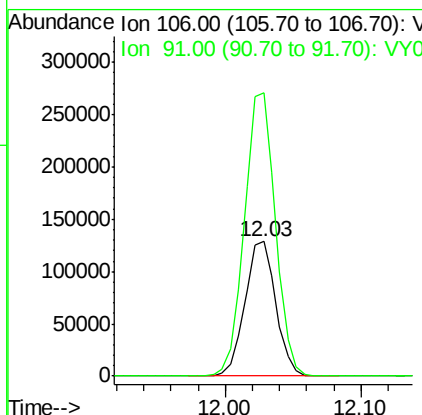
#69
o-Xylene
Concen: 51.011 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tot Ion:106 Resp: 203790
Ion Ratio Lower Upper
106 100
91 211.0 106.3 318.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

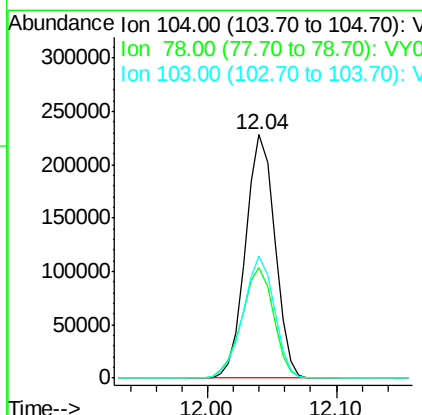
Manual Integrations
APPROVED

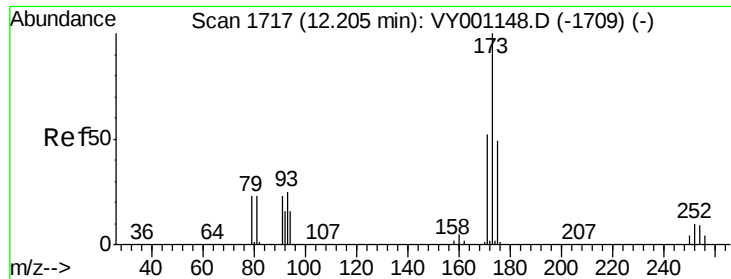
MMDadoda
1/16/2020 9:36:06 AM



#70
Styrene
Concen: 51.069 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion:104 Resp: 357978
Ion Ratio Lower Upper
104 100
78 49.4 40.5 60.7
103 53.5 42.4 63.6





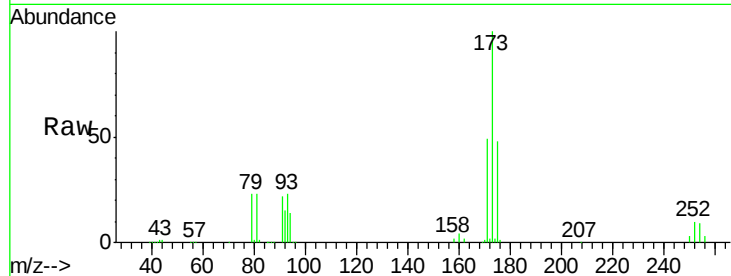
#71
Bromoform
Concen: 46.814 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.1	72.2
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:06 AM

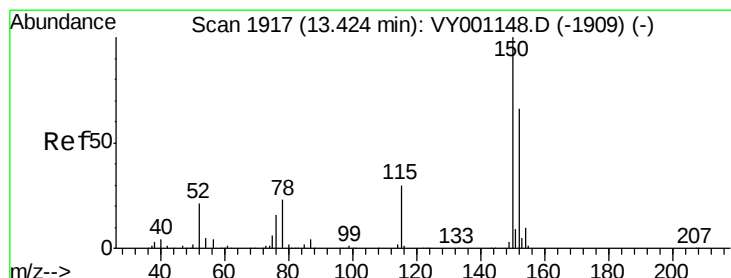
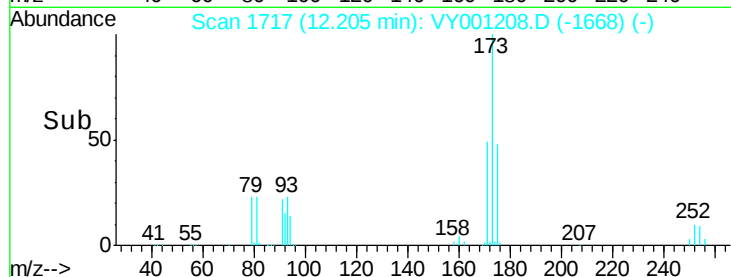
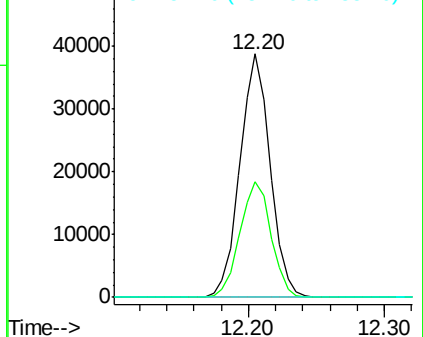


Abundance

Ion 172.70 (172.40 to 173.40): V

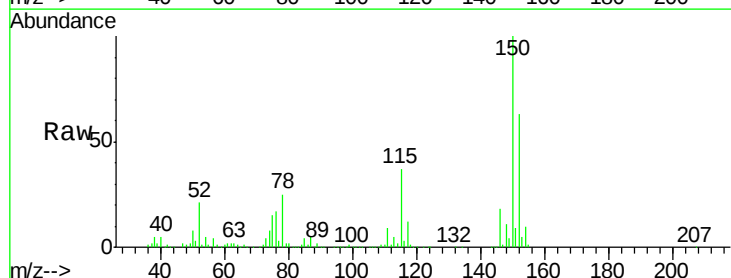
Ion 174.70 (174.40 to 175.40): V

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: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.9	92.5
150	174.2	0.0	346.8

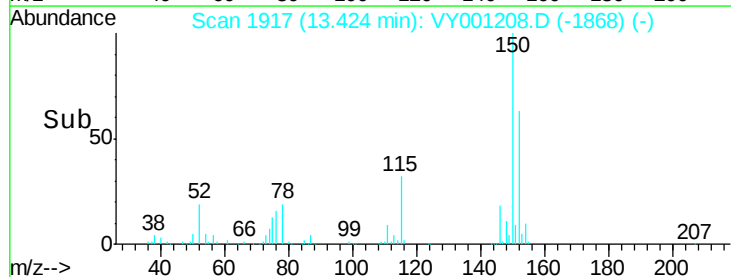
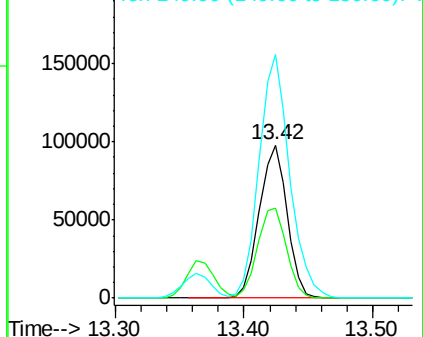


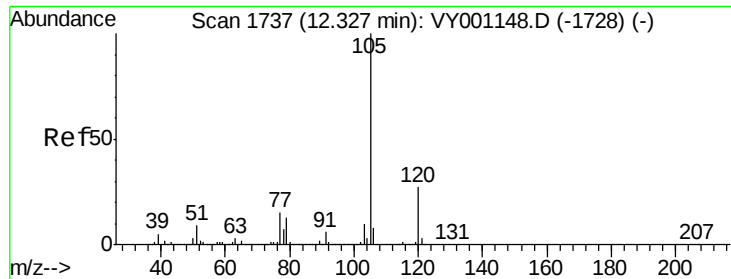
Abundance

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





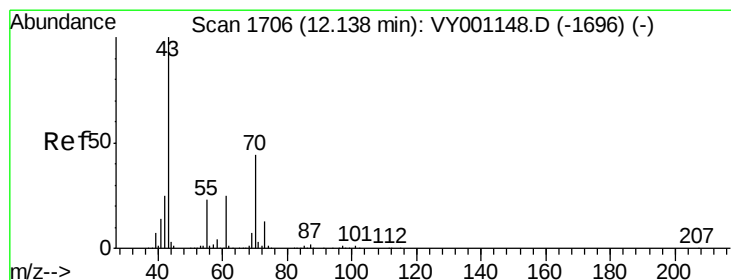
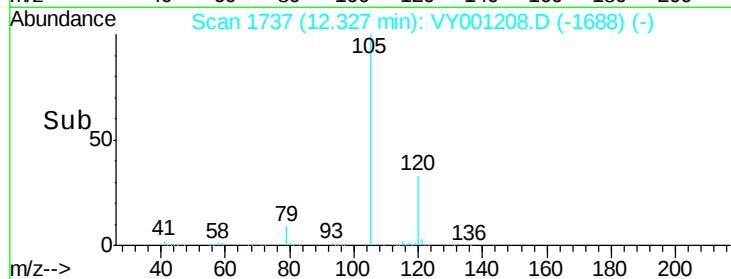
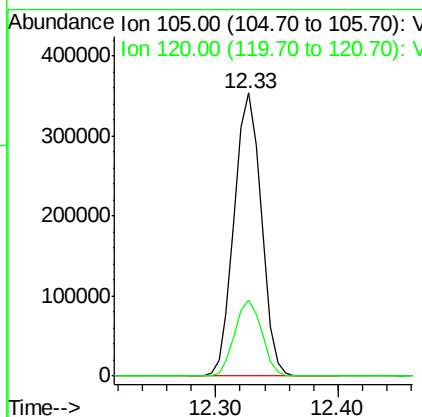
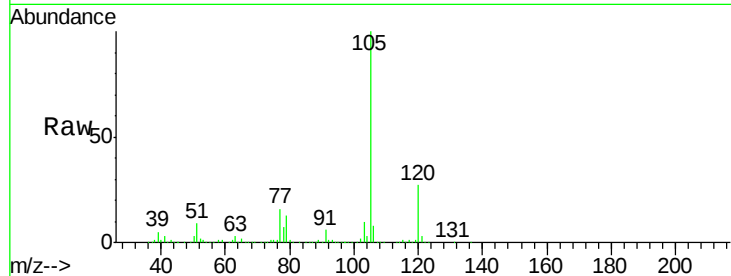
#73
Isopropylbenzene
Concen: 49.506 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2

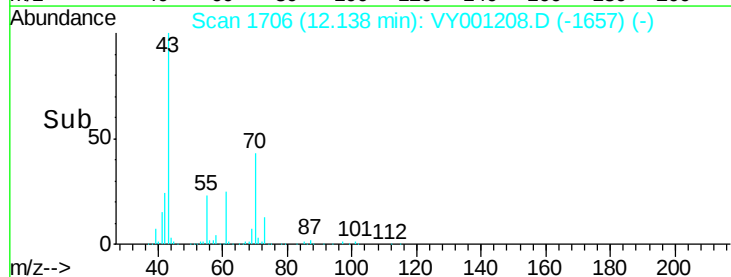
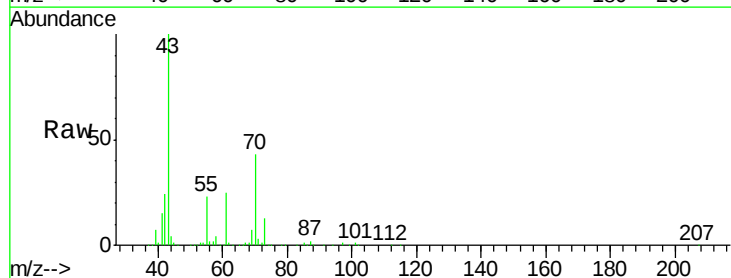
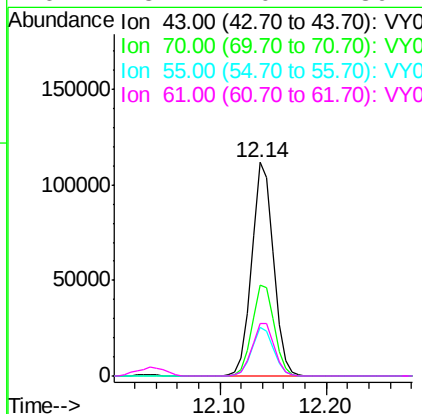
Manual Integrations
APPROVED

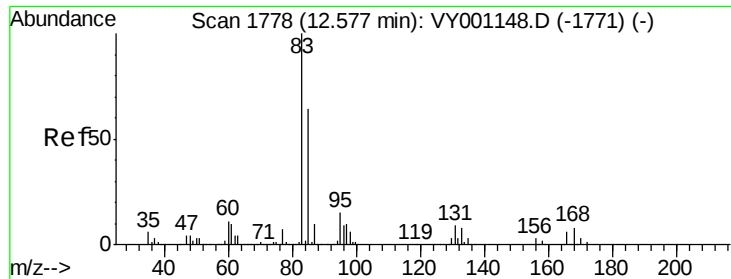
MMDadoda
1/16/2020 9:36:06 AM



#74
N-ethyl acetate
Concen: 46.640 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.4	35.0	52.6
55	22.9	18.4	27.6
61	25.4	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 46.704 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 107796

Ion Ratio Lower Upper

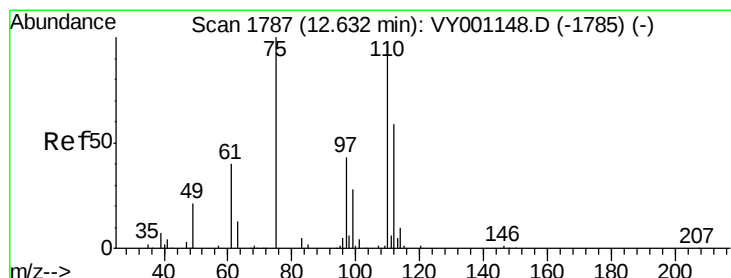
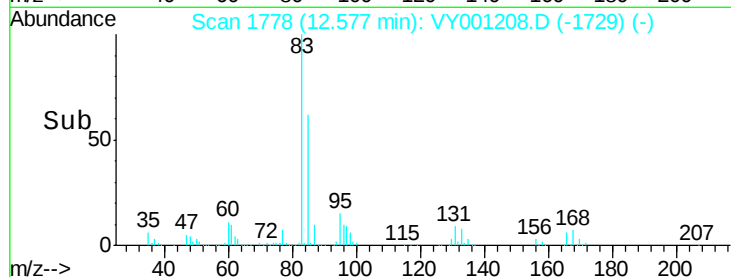
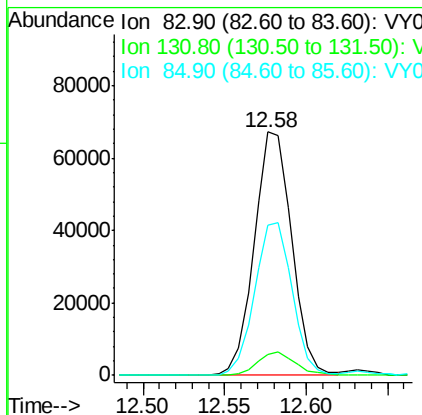
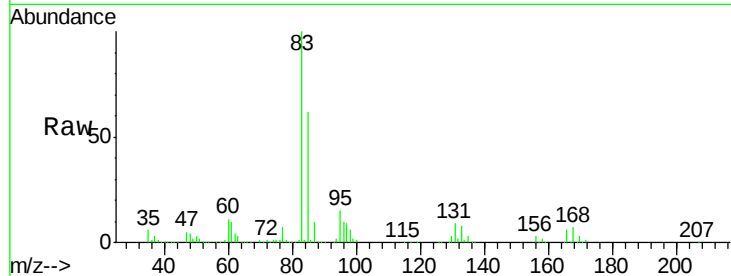
83 100

131 9.8 5.1 15.3

85 62.6 32.2 96.6

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:06 AM



#76

1,2,3-Trichloropropane

Concen: 44.719 ug/l m

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY001208.D

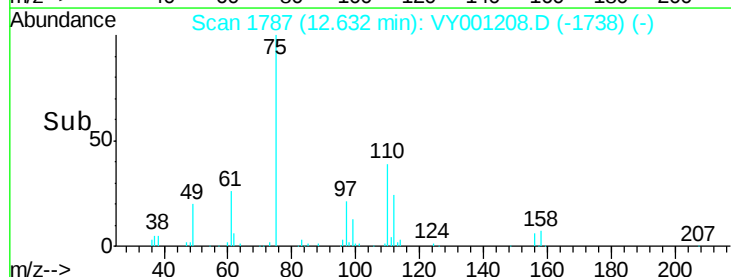
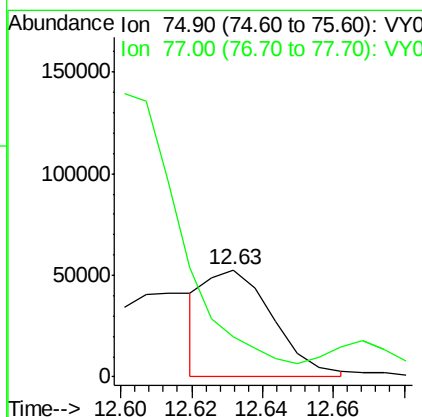
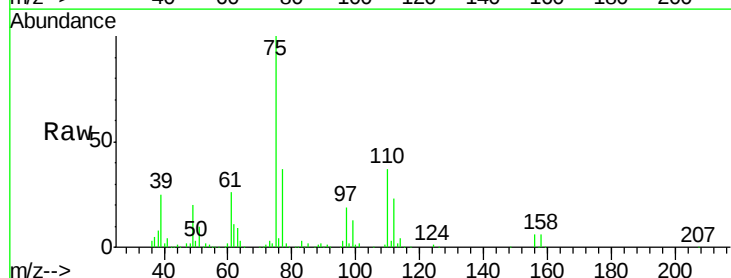
Acq: 15 Jan 2020 11:19

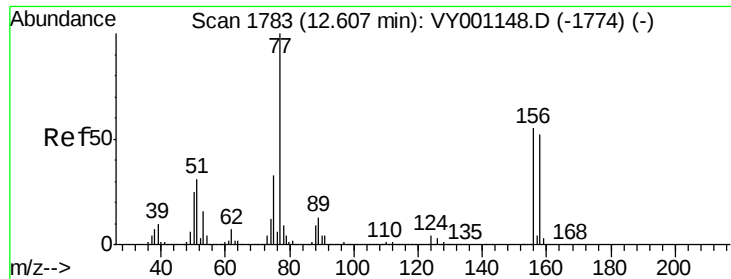
Tgt Ion: 75 Resp: 69858

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.250 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

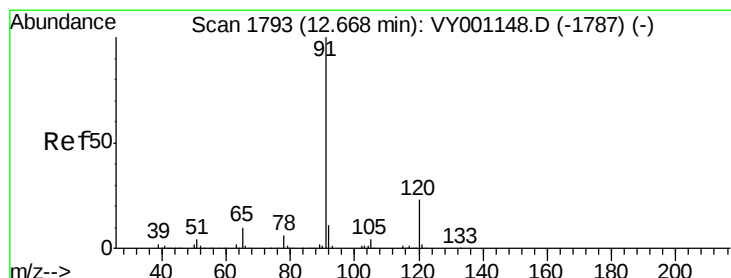
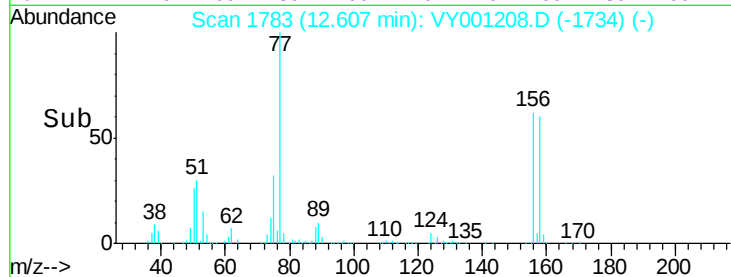
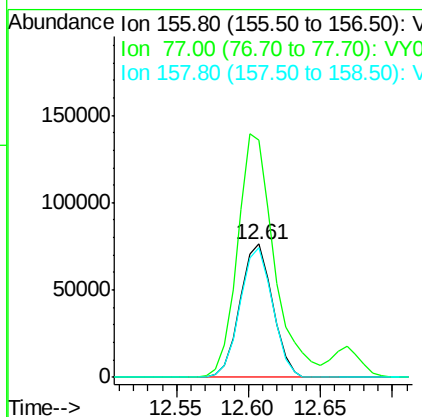
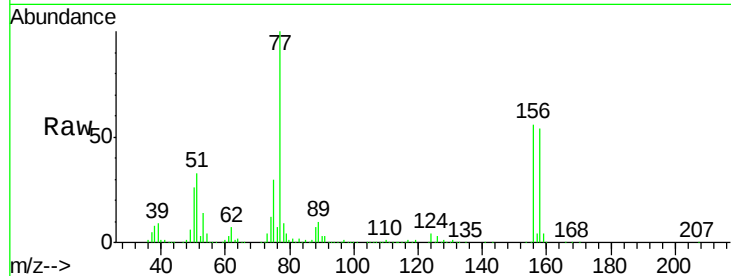
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	206.7	106.7	320.1	
158	97.3	48.3	144.8	

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:06 AM



#78

n-propylbenzene

Concen: 50.121 ug/l

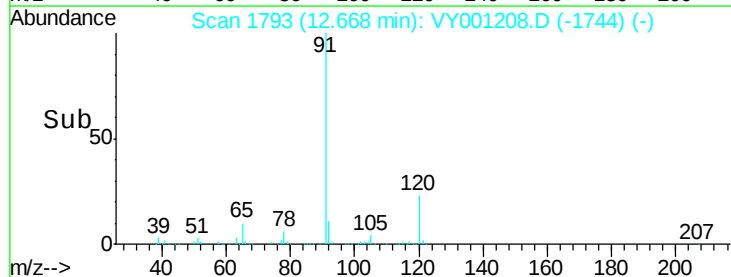
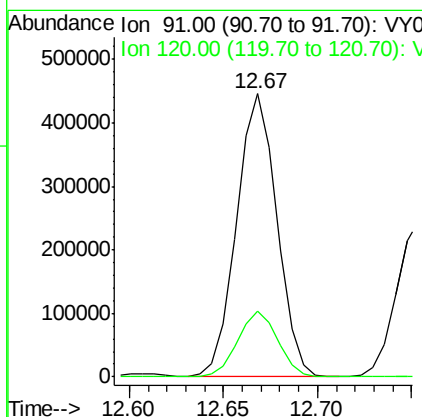
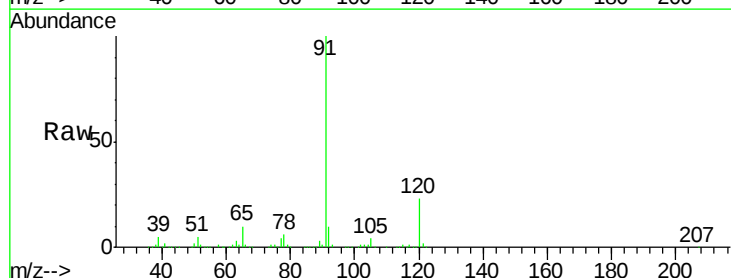
RT: 12.67 min Scan# 1793

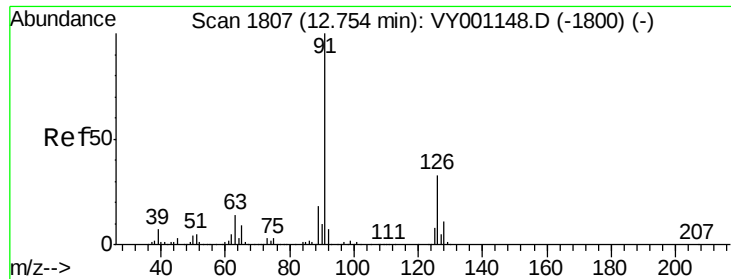
Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.8	11.5	34.4	





#79

2-Chlorotoluene

Concen: 49.208 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 372909

Ion Ratio Lower Upper

91 100

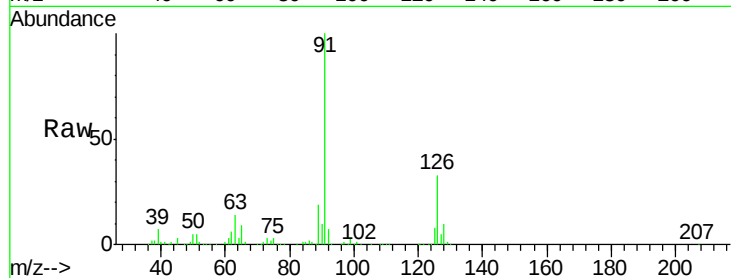
126 33.5 16.4 49.4

Manual Integrations

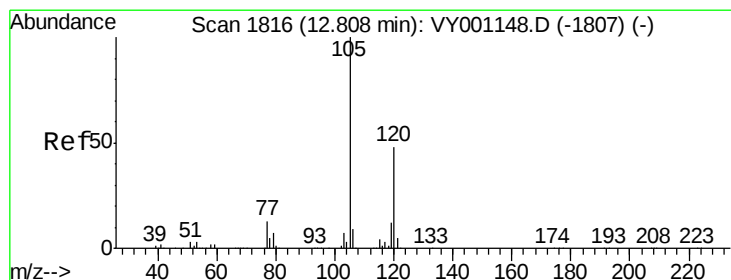
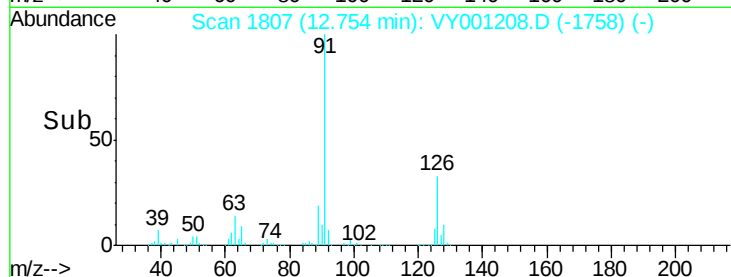
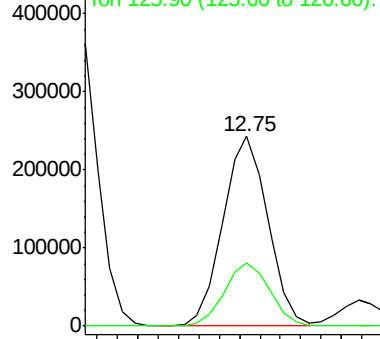
APPROVED

MMDadoda

1/16/2020 9:36:06 AM



Abundance Ion 91.00 (90.70 to 91.70): VY001148.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.483 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001208.D

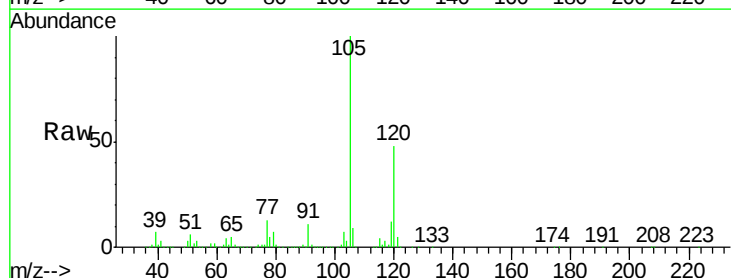
Acq: 15 Jan 2020 11:19

Tgt Ion: 105 Resp: 462093

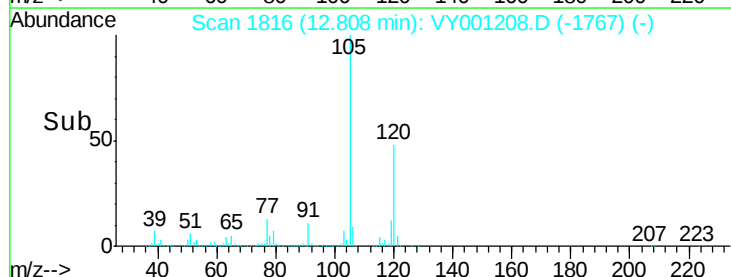
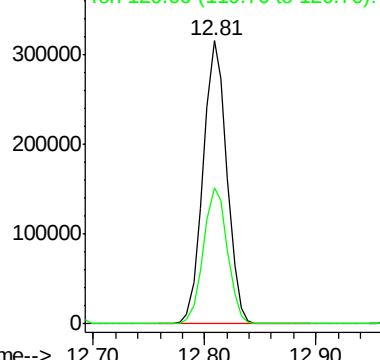
Ion Ratio Lower Upper

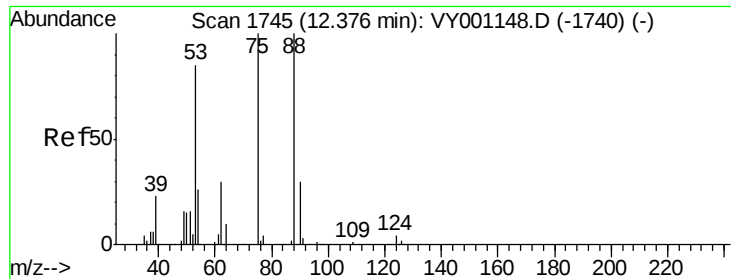
105 100

120 49.0 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VY001148.D (-1807) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.572 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

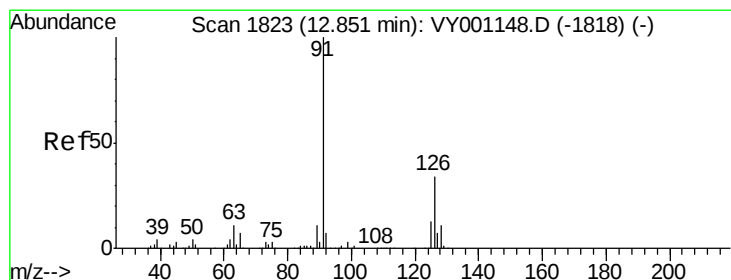
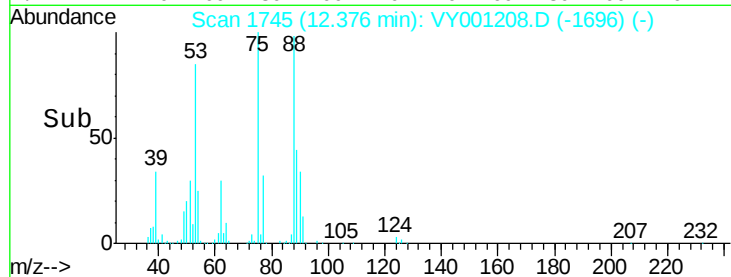
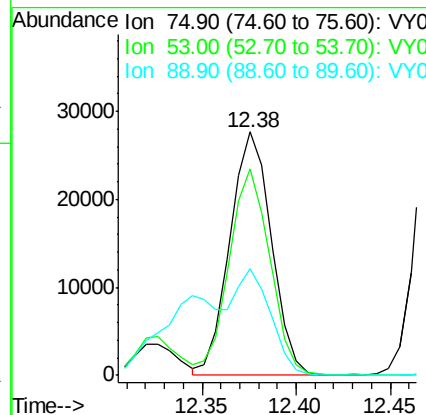
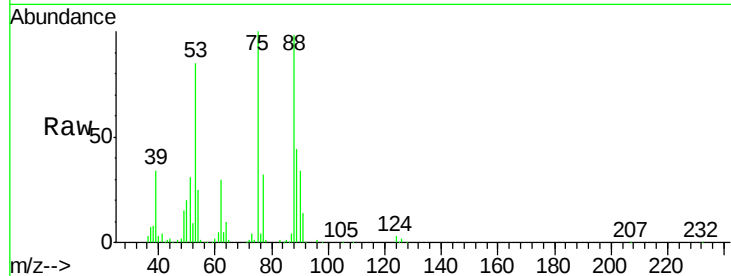
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	41981
Ion	Ratio	Lower	Upper
75	100		
53	83.5	69.4	104.2
89	36.3	0.0	0.0#

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:06 AM



#82

4-Chlorotoluene

Concen: 50.077 ug/l

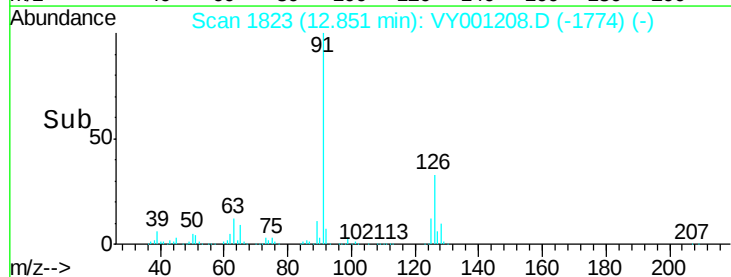
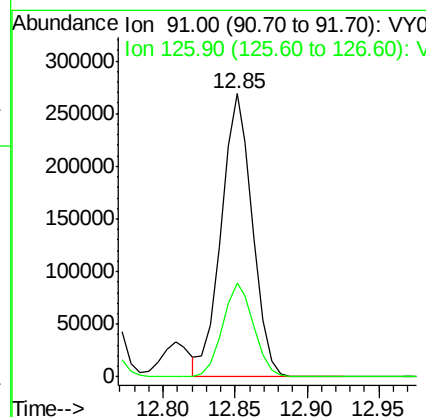
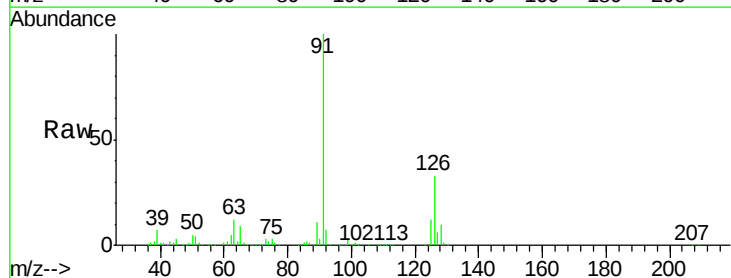
RT: 12.85 min Scan# 1823

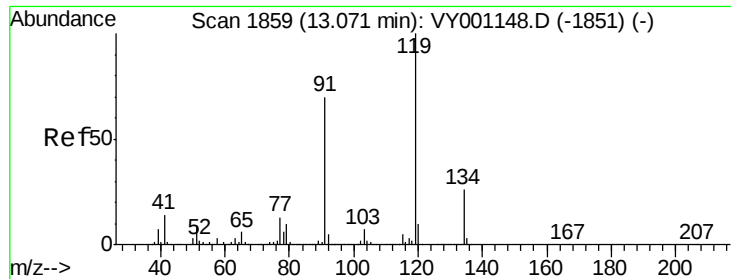
Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Tgt Ion:	91	Resp:	405140
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.3	48.8





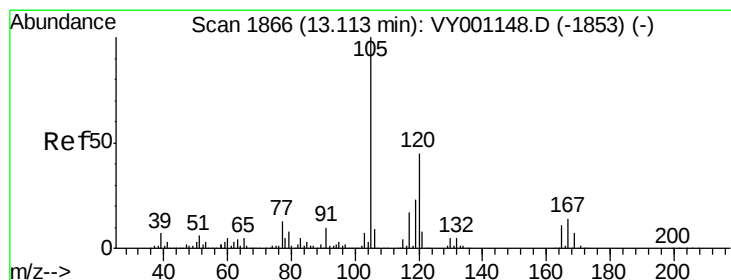
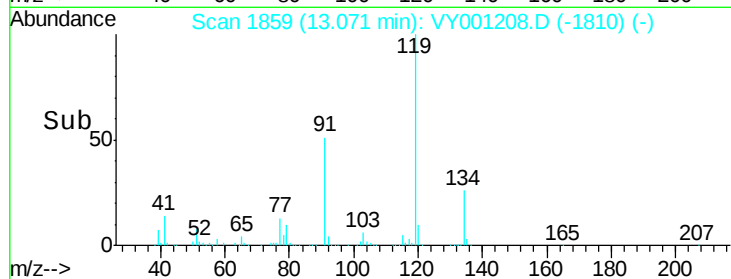
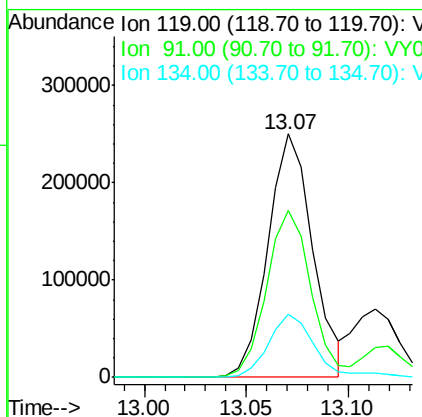
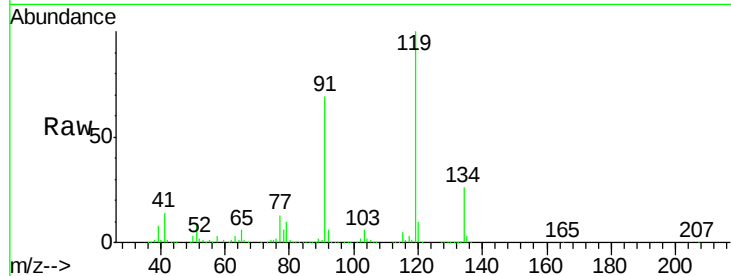
#83
tert-Butylbenzene
Concen: 49.821 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	383190		
91	68.3	33.9	101.7	
134	27.1	13.5	40.4	

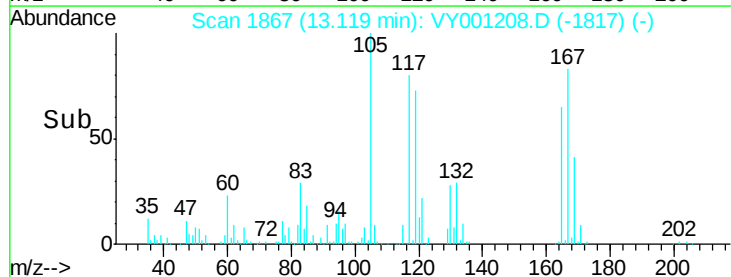
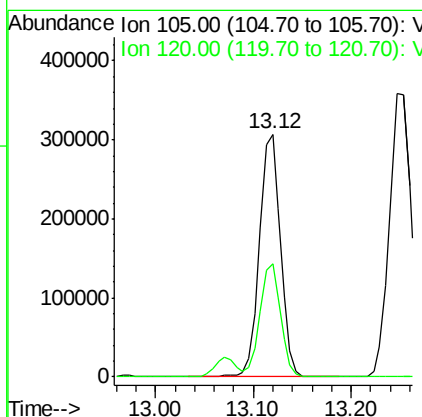
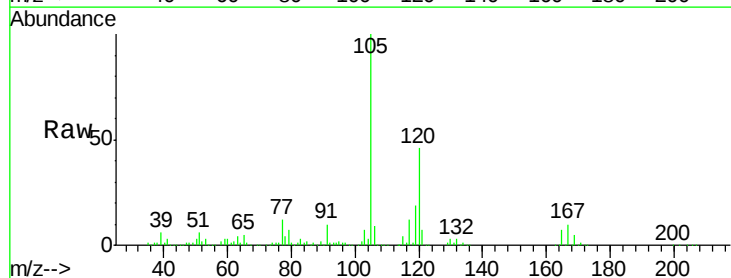
Manual Integrations
APPROVED

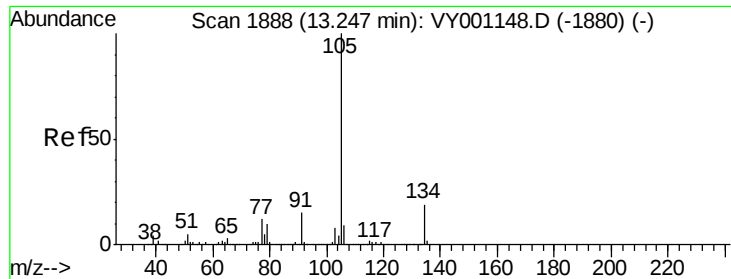
MMDadoda
1/16/2020 9:36:06 AM



#84
1,2,4-Trimethylbenzene
Concen: 50.845 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	462175		
120	45.8	22.8	68.3	





#85

sec-Butylbenzene

Concen: 50.484 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 558593

Ion Ratio Lower Upper

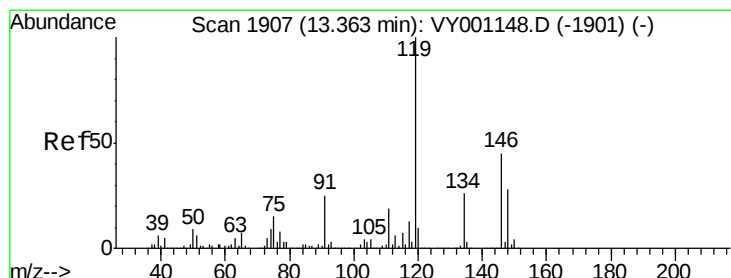
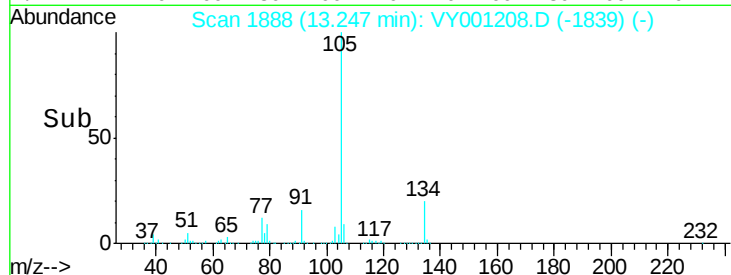
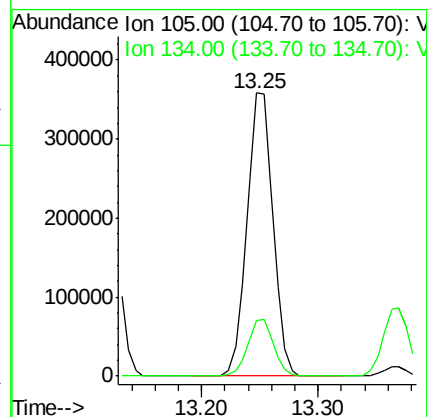
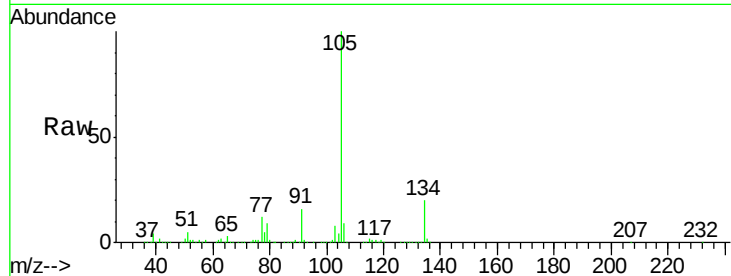
105 100

134 20.0 9.8 29.5

Manual Integrations
APPROVED

MMDadoda

1/16/2020 9:36:06 AM



#86

p-Isopropyltoluene

Concen: 51.826 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001208.D

Acq: 15 Jan 2020 11:19

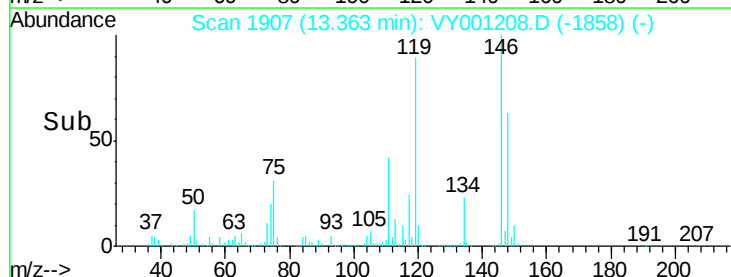
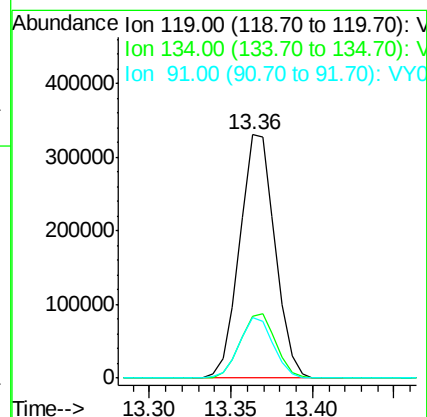
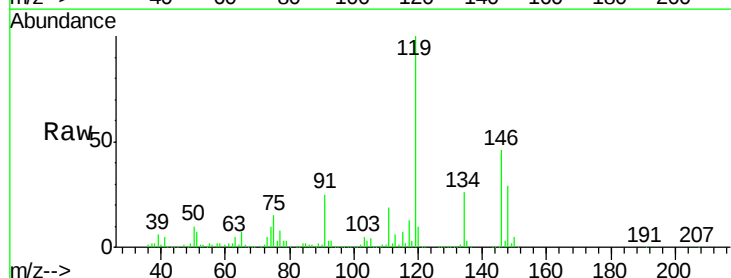
Tgt Ion:119 Resp: 497886

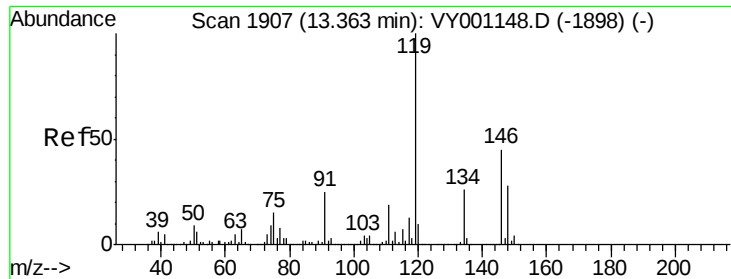
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 24.0 12.4 37.2





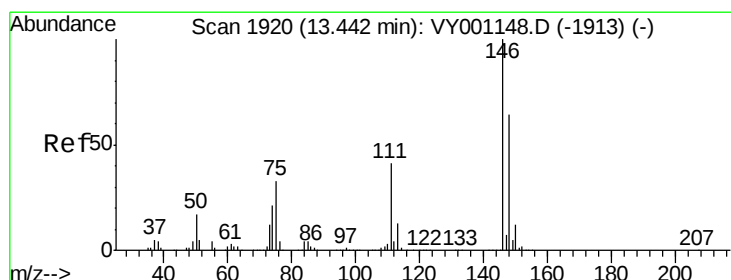
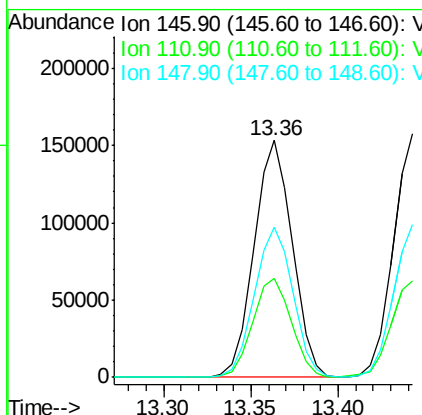
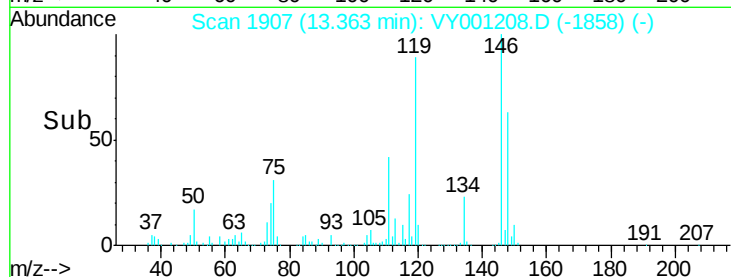
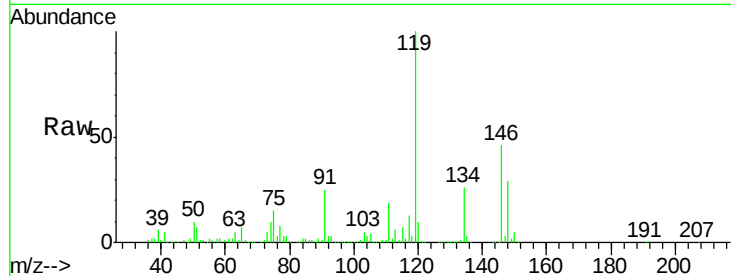
#87
 1,3-Dichlorobenzene
 Concen: 50.615 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001208.D
 Acq: 15 Jan 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	232038		
111	42.6	21.3	64.0	
148	64.0	31.9	95.5	

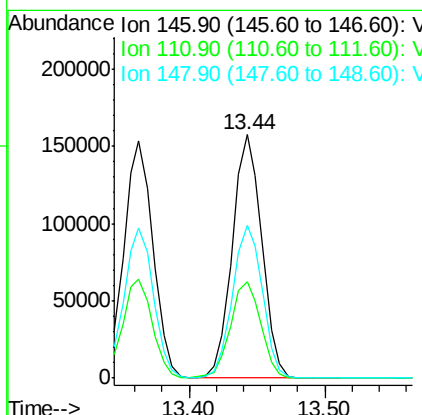
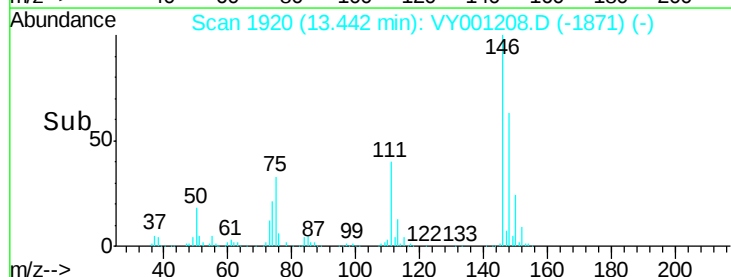
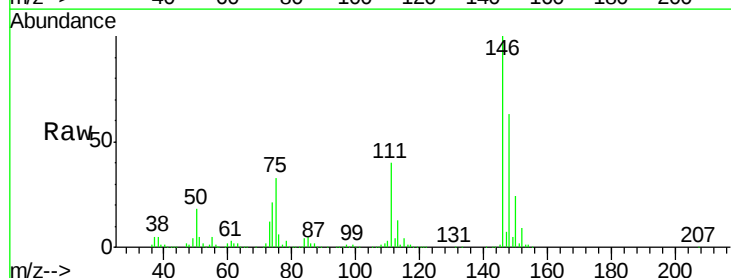
Manual Integrations
 APPROVED

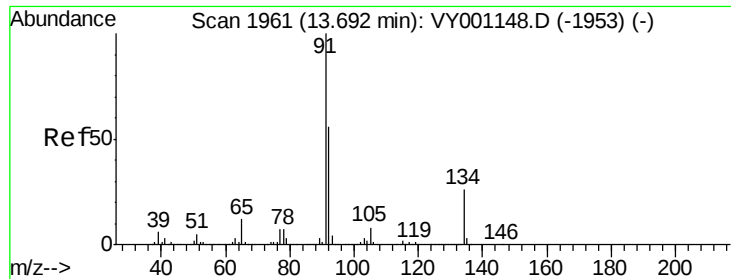
MMDadoda
 1/16/2020 9:36:06 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.182 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY001208.D
 Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	236768		
111	40.9	20.8	62.5	
148	63.8	32.0	96.2	





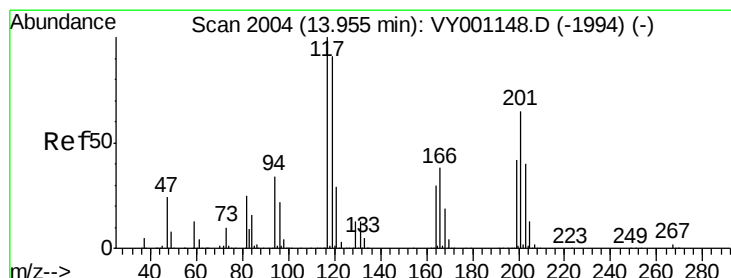
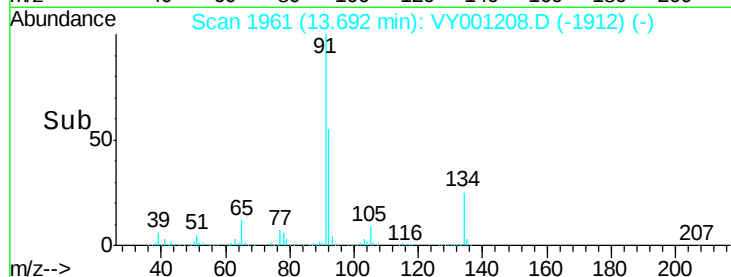
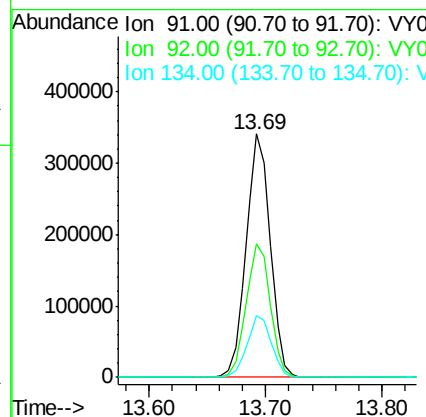
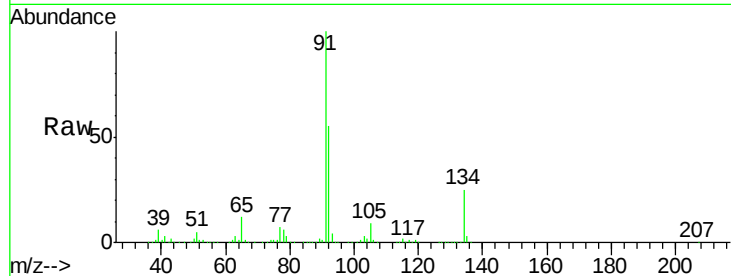
#89
n-Butylbenzene
Concen: 50.800 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.7	83.1
134	25.5	12.9	38.6

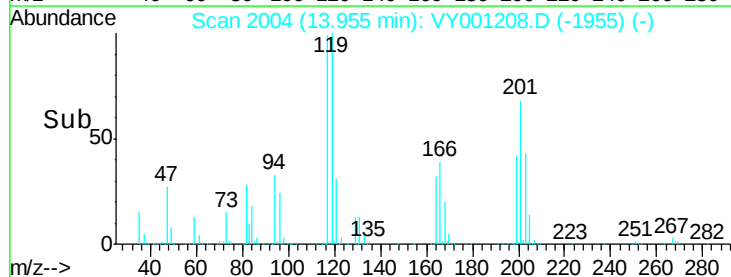
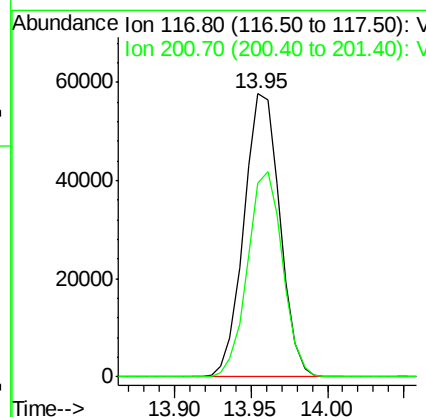
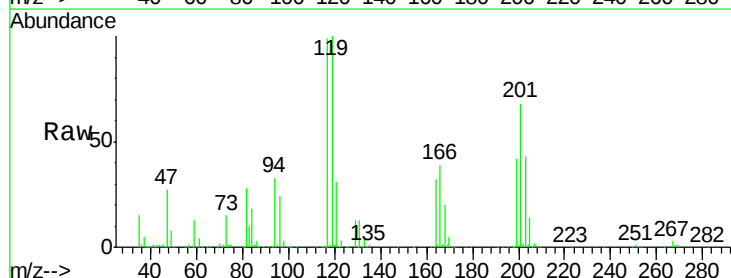
Manual Integrations
APPROVED

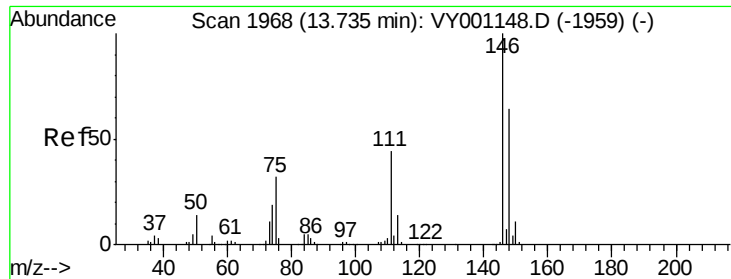
MMDadoda
1/16/2020 9:36:06 AM



#90
Hexachloroethane
Concen: 50.217 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.8	35.4	106.2





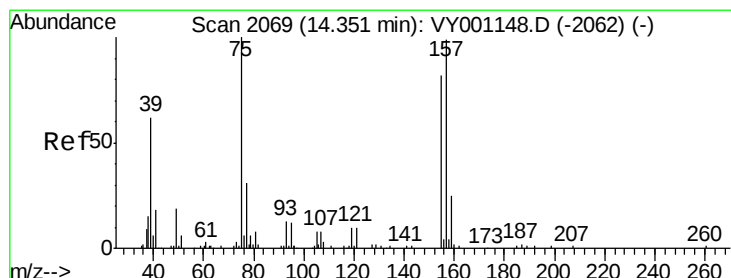
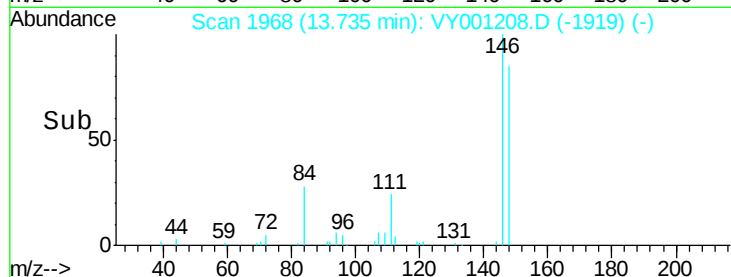
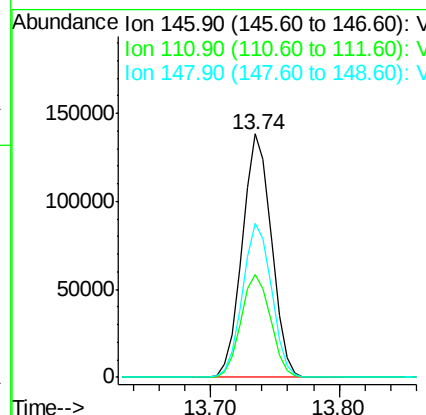
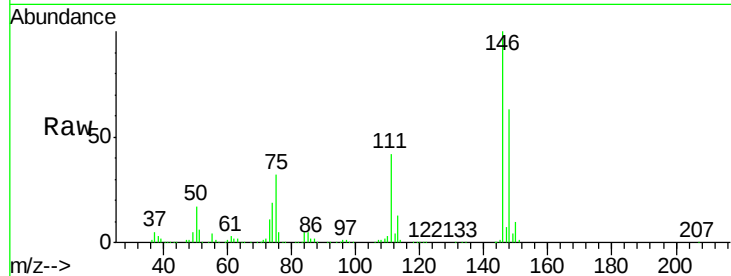
#91
 1,2-Dichlorobenzene
 Concen: 50.822 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001208.D
 Acq: 15 Jan 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	22.0	66.0
148	63.1	32.1	96.3

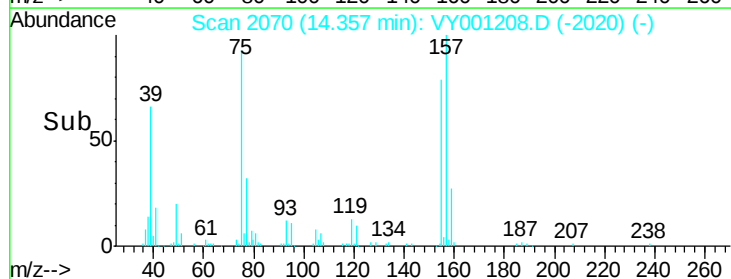
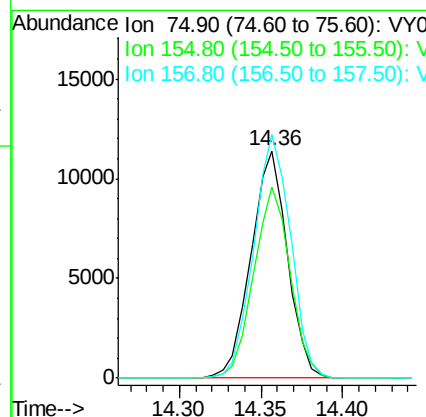
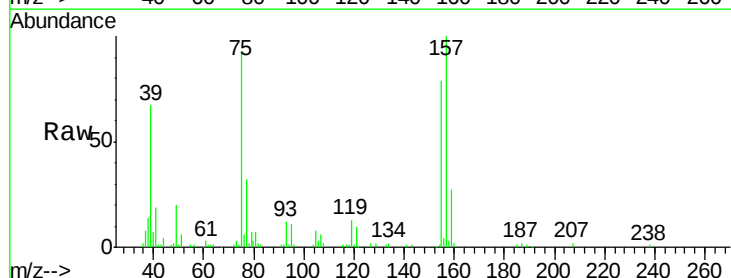
Manual Integrations
 APPROVED

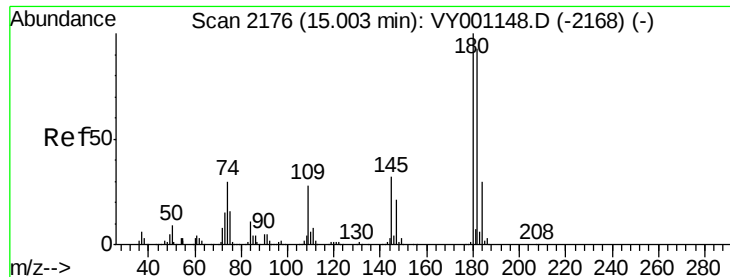
MMDadoda
 1/16/2020 9:36:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.585 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001208.D
 Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	41.2	123.6
157	108.8	52.8	158.4





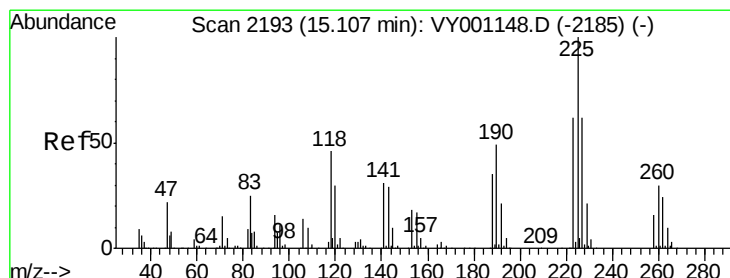
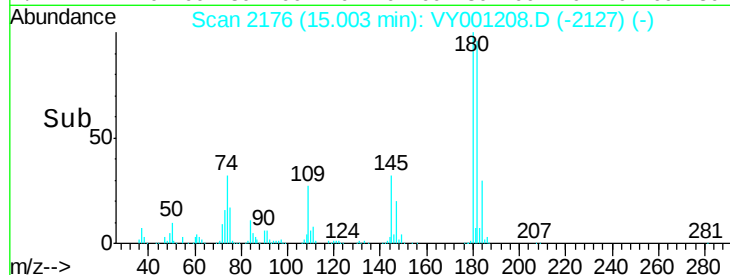
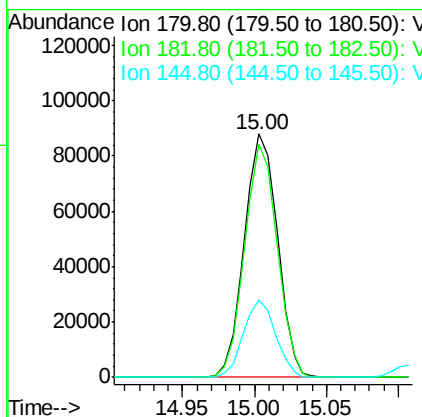
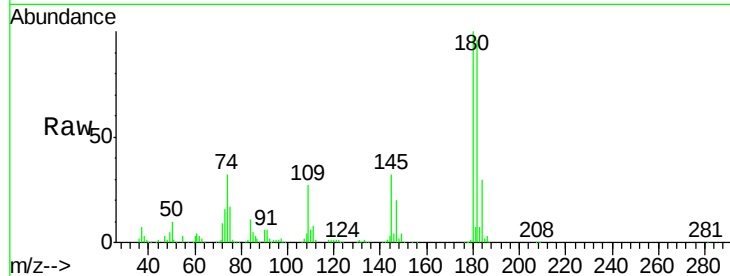
#93
 1,2,4-Trichlorobenzene
 Concen: 49.960 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001208.D
 Acq: 15 Jan 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	140244		
182	94.1	46.9	140.8	
145	31.1	16.0	48.0	

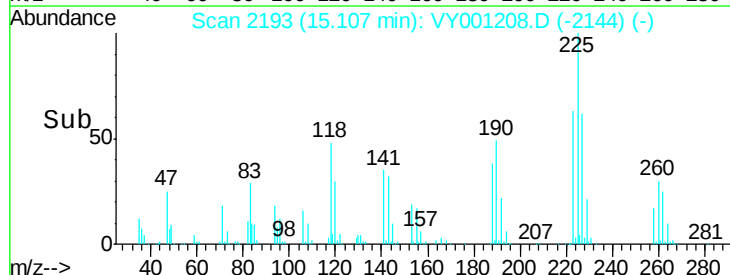
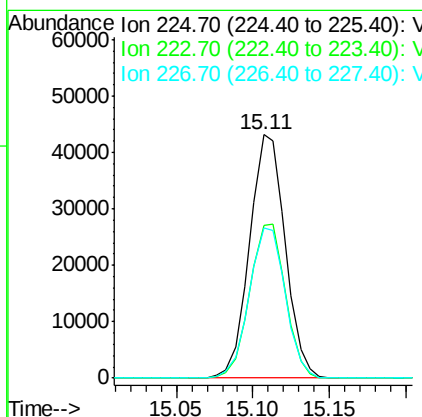
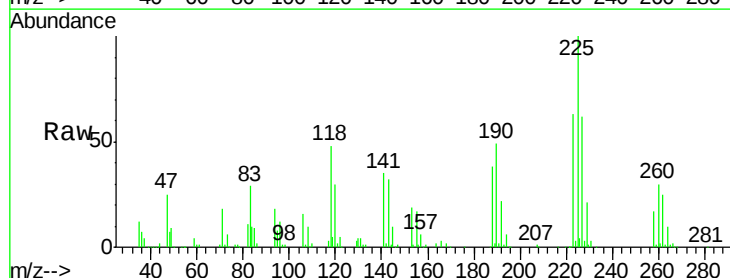
Manual Integrations
 APPROVED

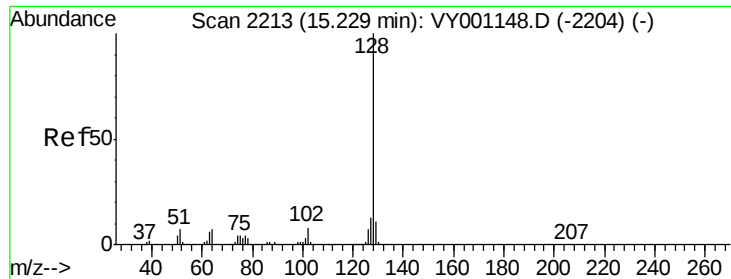
MMDadoda
 1/16/2020 9:36:06 AM



#94
 Hexachlorobutadiene
 Concen: 49.459 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001208.D
 Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69945		
223	63.6	31.1	93.3	
227	62.7	31.3	93.9	





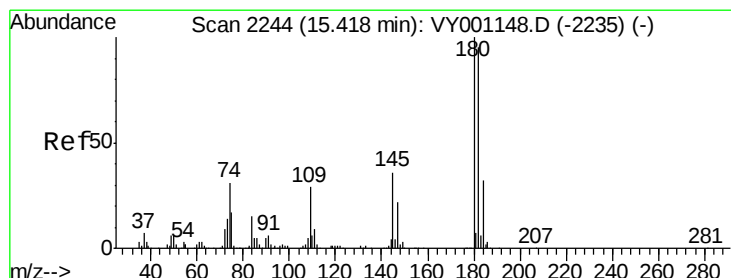
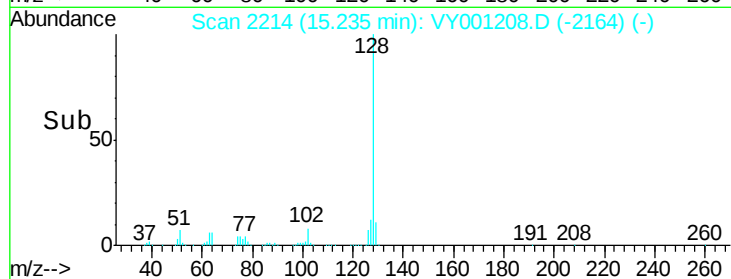
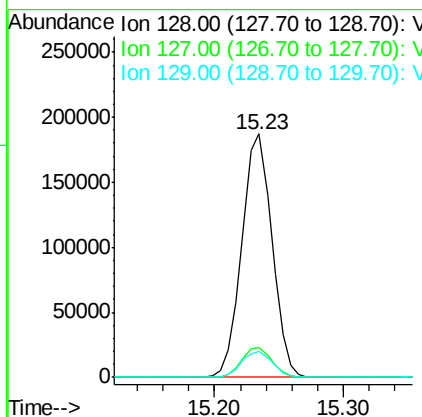
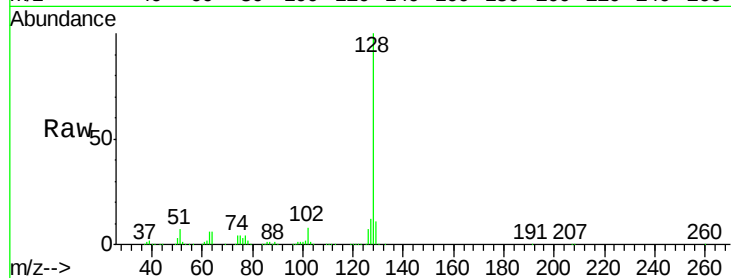
#95
Naphthalene
Concen: 46.294 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.350 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001208.D
Acq: 15 Jan 2020 11:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.5
145	33.2	17.1	51.3

