

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011320\
 Data File : VY001171.D
 Acq On : 13 Jan 2020 11:36
 Operator : SY/MD
 Sample : VY0113SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 3:52:47 PM

Quant Time: Jan 14 13:09:47 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	203600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	351301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	310129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	149902	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	103692	48.22	ug/l	0.00
Spiked Amount						
			Recovery	=	96.44%	
35) Dibromofluoromethane	7.73	113	99273	48.26	ug/l	0.00
Spiked Amount						
			Recovery	=	96.52%	
50) Toluene-d8	10.18	98	406359	51.27	ug/l	0.00
Spiked Amount						
			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.48	95	153977	47.52	ug/l	0.00
Spiked Amount						
			Recovery	=	95.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	34965	22.361	ug/l	100
3) Chloromethane	2.12	50	63853	28.331	ug/l	100
4) Vinyl Chloride	2.26	62	50710	22.333	ug/l	98
5) Bromomethane	2.65	94	29282	24.008	ug/l	95
6) Chloroethane	2.80	64	29743	22.674	ug/l	100
7) Trichlorofluoromethane	3.13	101	66181	20.940	ug/l	97
8) Diethyl Ether	3.54	74	25330	20.625	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	43020	21.146	ug/l	99
10) Methyl Iodide	4.10	142	57446	20.630	ug/l	100
11) Tert butyl alcohol	4.98	59	23894	110.438	ug/l	99
12) 1,1-Dichloroethene	3.88	96	43737	21.013	ug/l	97
13) Acrolein	3.74	56	22433	115.174	ug/l	96
14) Allyl chloride	4.49	41	72073	20.517	ug/l	99
15) Acrylonitrile	5.18	53	63408	103.236	ug/l	99
16) Acetone	3.96	43	49410	98.937	ug/l	98
17) Carbon Disulfide	4.20	76	143859	21.355	ug/l	99
18) Methyl Acetate	4.49	43	32613	19.752	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	119140	20.694	ug/l	97
20) Methylene Chloride	4.74	84	54235	19.988	ug/l	95
21) trans-1,2-Dichloroethene	5.24	96	49607	21.019	ug/l	99
22) Diisopropyl ether	6.13	45	146221	20.379	ug/l	98
23) Vinyl Acetate	6.08	43	480642	104.745	ug/l	100
24) 1,1-Dichloroethane	6.04	63	81619	20.779	ug/l	100
25) 2-Butanone	7.00	43	82519	106.168	ug/l	99
26) 2,2-Dichloropropane	7.00	77	74180	20.537	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	54251	20.978	ug/l	99
28) Bromochloromethane	7.35	49	28571	17.713	ug/l	99
29) Tetrahydrofuran	7.36	42	55320	103.858	ug/l	99
30) Chloroform	7.52	83	79609	20.684	ug/l	100
31) Cyclohexane	7.80	56	85216	20.490	ug/l	95
32) 1,1,1-Trichloroethane	7.72	97	70001	20.499	ug/l	99
36) 1,1-Dichloropropene	7.93	75	66901	20.894	ug/l	100
37) Ethyl Acetate	7.09	43	36931	19.653	ug/l	98
38) Carbon Tetrachloride	7.91	117	60614	20.656	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011320\
 Data File : VY001171.D
 Acq On : 13 Jan 2020 11:36
 Operator : SY/MD
 Sample : VY0113SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 3:52:47 PM

Quant Time: Jan 14 13:09:47 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	91786	21.145	ug/l	99
40) Benzene	8.17	78	195924	20.962	ug/l	100
41) Methacrylonitrile	7.33	41	16147m	18.293	ug/l	
42) 1,2-Dichloroethane	8.25	62	53488	20.438	ug/l	98
43) Isopropyl Acetate	8.28	43	73806	20.540	ug/l	100
44) Trichloroethene	8.94	130	50997	20.940	ug/l	99
45) 1,2-Dichloropropane	9.22	63	48139	20.834	ug/l	98
46) Dibromomethane	9.31	93	25726	20.406	ug/l	97
47) Bromodichloromethane	9.50	83	62483	20.336	ug/l	99
48) Methyl methacrylate	9.30	41	33635	20.228	ug/l	99
49) 1,4-Dioxane	9.30	88	6762	440.422	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	187238	102.695	ug/l	100
52) Toluene	10.25	92	124965	20.963	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	70960	20.639	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	79682	20.556	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	39202	20.974	ug/l	99
56) Ethyl methacrylate	10.51	69	58755	20.551	ug/l	99
57) 1,3-Dichloropropane	10.79	76	67376	20.998	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	102028	101.466	ug/l	100
59) 2-Hexanone	10.83	43	133376	104.380	ug/l	100
60) Dibromochloromethane	10.99	129	44745	20.793	ug/l	98
61) 1,2-Dibromoethane	11.09	107	37621	20.614	ug/l	99
64) Tetrachloroethene	10.72	164	41713	20.865	ug/l	96
65) Chlorobenzene	11.52	112	129980	20.975	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	44531	20.850	ug/l	98
67) Ethyl Benzene	11.59	91	240332	21.201	ug/l	99
68) m/p-Xylenes	11.70	106	182502	42.678	ug/l	99
69) o-Xylene	12.03	106	86897	21.194	ug/l	98
70) Styrene	12.04	104	152648	21.219	ug/l	98
71) Bromoform	12.20	173	27339	20.756	ug/l #	98
73) Isopropylbenzene	12.33	105	232177	20.603	ug/l	99
74) N-amyl acetate	12.14	43	71008	20.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	48370	20.401	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	32935m	20.524	ug/l	
77) Bromobenzene	12.61	156	52504	21.085	ug/l	96
78) n-propylbenzene	12.67	91	278670	20.558	ug/l	100
79) 2-Chlorotoluene	12.75	91	159748	20.521	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	197901	21.047	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	18798	19.865	ug/l #	99
82) 4-Chlorotoluene	12.85	91	166544	20.039	ug/l	98
83) tert-Butylbenzene	13.07	119	162805	20.606	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	196561	21.051	ug/l	100
85) sec-Butylbenzene	13.25	105	238699	21.001	ug/l	99
86) p-Isopropyltoluene	13.37	119	214420	21.727	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	101458	21.544	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	101765	20.997	ug/l	100
89) n-Butylbenzene	13.69	91	209472	21.075	ug/l	99
90) Hexachloroethane	13.95	117	39414	20.440	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	92478	21.130	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8504	19.884	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011320\
Data File : VY001171.D
Acq On : 13 Jan 2020 11:36
Operator : SY/MD
Sample : VY0113SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0113SBSD01

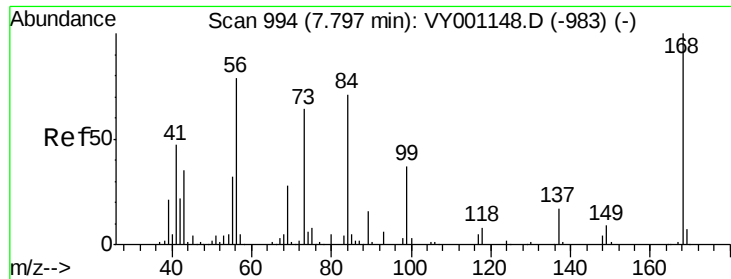
Manual Integrations
APPROVED

MMDadoda
1/15/2020 3:52:47 PM

Quant Time: Jan 14 13:09:47 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	62451	21.657	ug/l	99
94) Hexachlorobutadiene	15.11	225	31348	21.579	ug/l	98
95) Naphthalene	15.23	128	141837	21.128	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	54195	21.325	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0113SBS01

Tot Ion:168 Resp: 203600

Ion Ratio Lower Upper

168 100

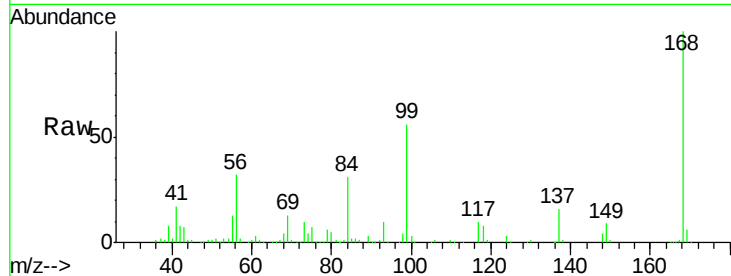
99 56.0 47.9 71.9

Manual Integrations

APPROVED

MMDadoda

1/15/2020 3:52:47 PM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

80000

60000

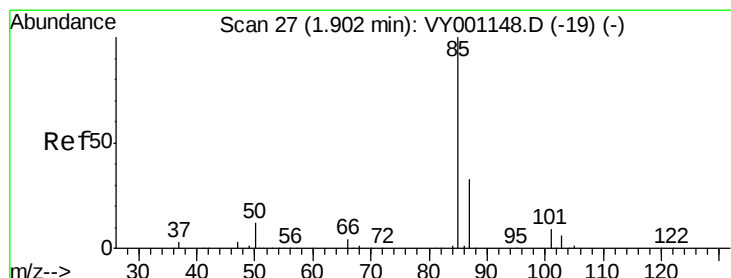
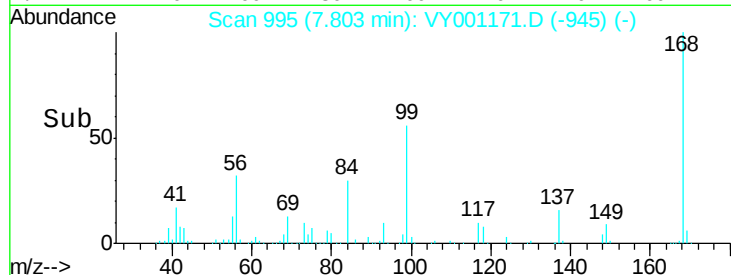
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 22.361 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY001171.D

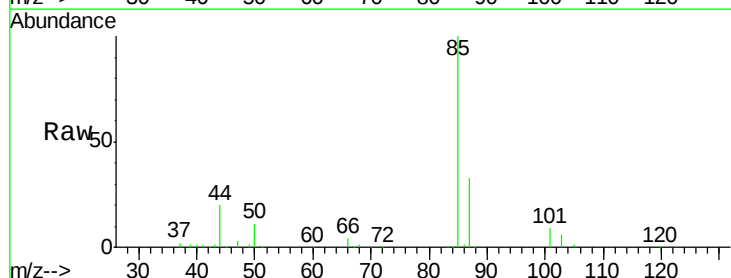
Acq: 13 Jan 2020 11:36

Tgt Ion: 85 Resp: 34965

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

25000

20000

15000

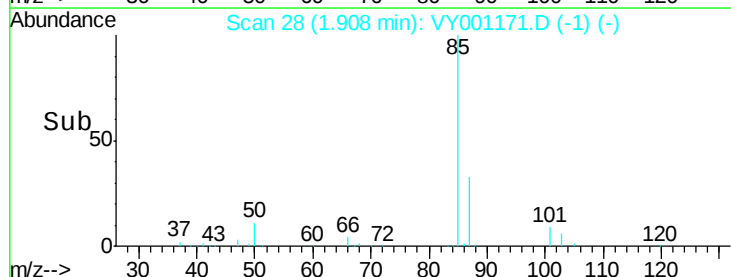
10000

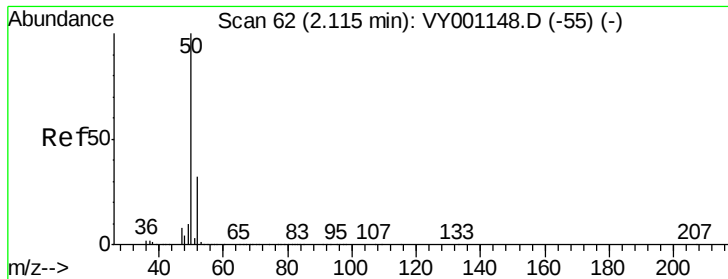
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 28.331 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0113SBS01

Tot Ion: 50 Resp: 63853

Ion Ratio Lower Upper

50 100

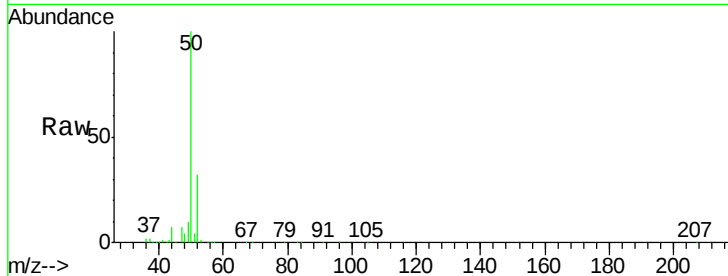
52 32.3 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

1/15/2020 3:52:47 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

40000

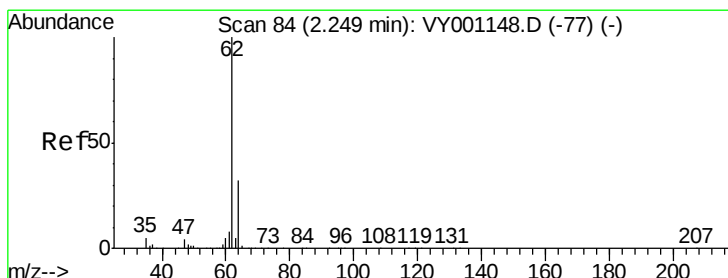
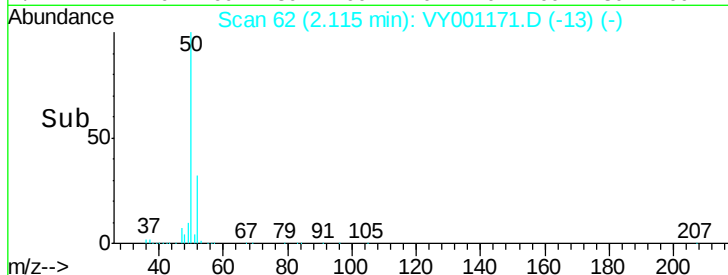
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 22.333 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001171.D

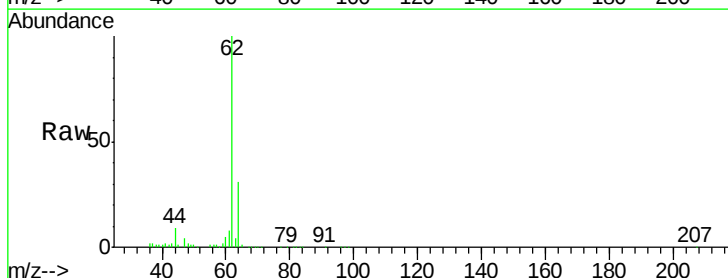
Acq: 13 Jan 2020 11:36

Tgt Ion: 62 Resp: 50710

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

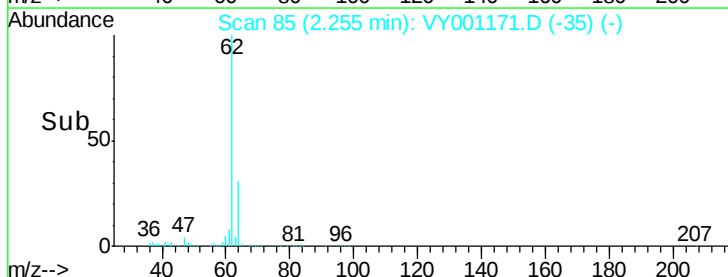
30000

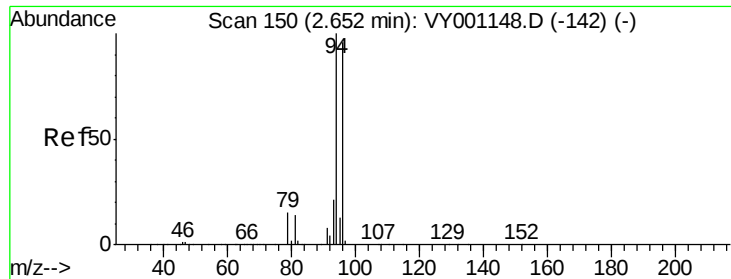
20000

10000

0

Time-->





#5

Bromomethane

Concen: 24.008 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0113BSD01

Tot Ion: 94 Resp: 29282

Ion Ratio Lower Upper

94 100

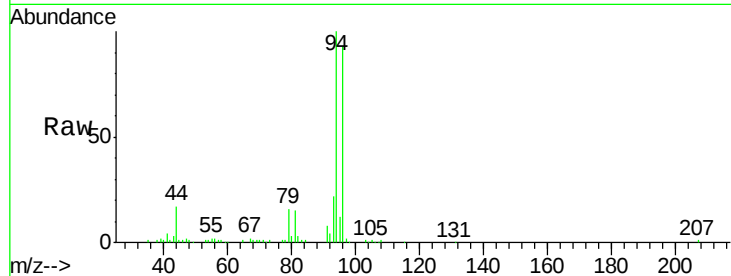
96 92.1 77.3 115.9

Manual Integrations

APPROVED

MMDadoda

1/15/2020 3:52:47 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

15000

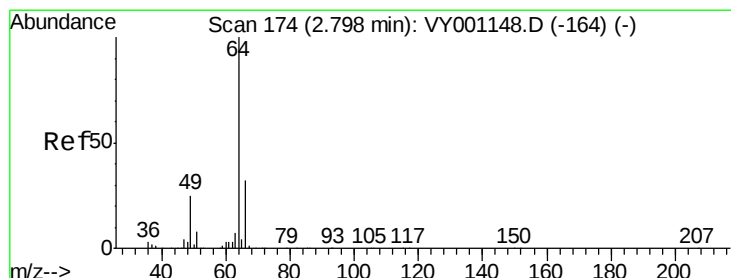
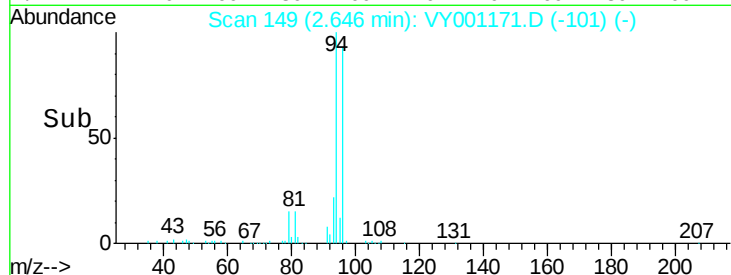
10000

5000

0

Time-->

2.50 2.60 2.70 2.80



#6

Chloroethane

Concen: 22.674 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY001171.D

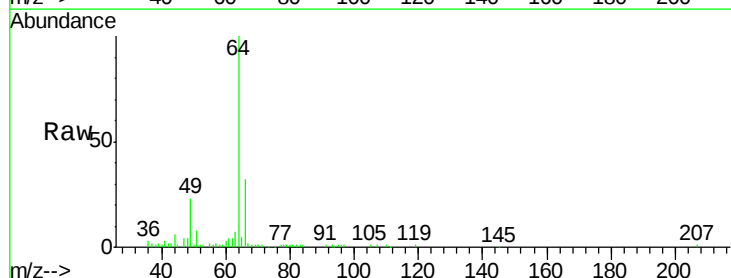
Acq: 13 Jan 2020 11:36

Tgt Ion: 64 Resp: 29743

Ion Ratio Lower Upper

64 100

66 32.0 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

15000

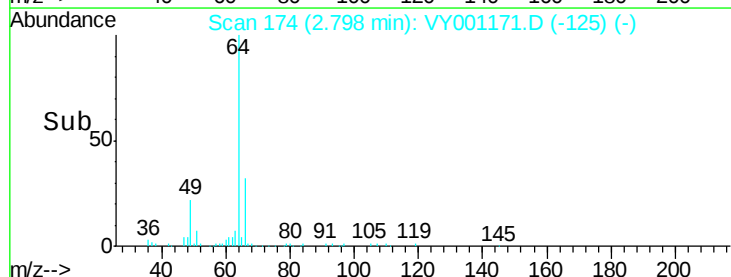
10000

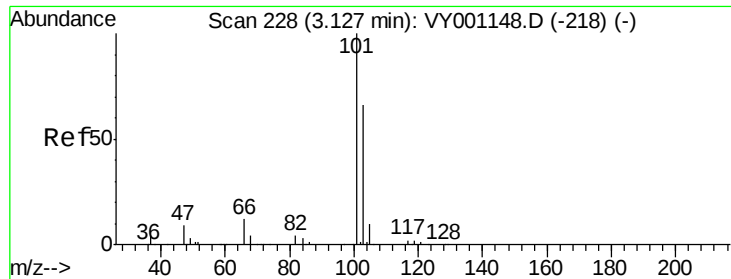
5000

0

Time-->

2.70 2.80 2.90





#7

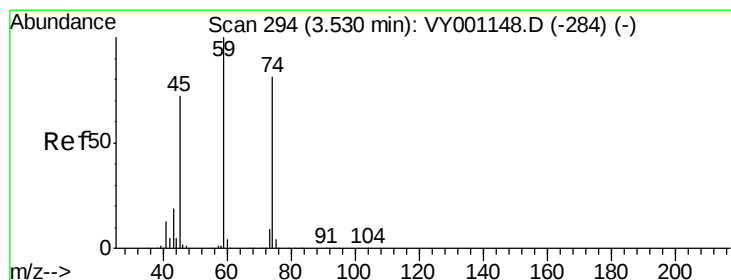
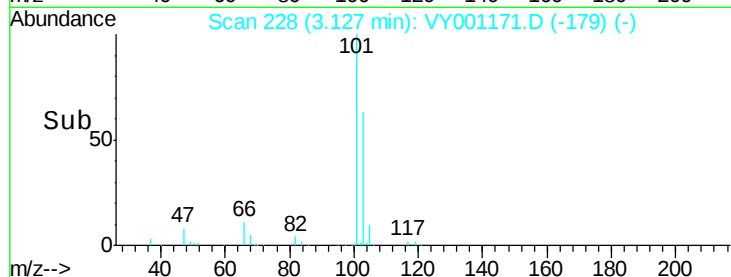
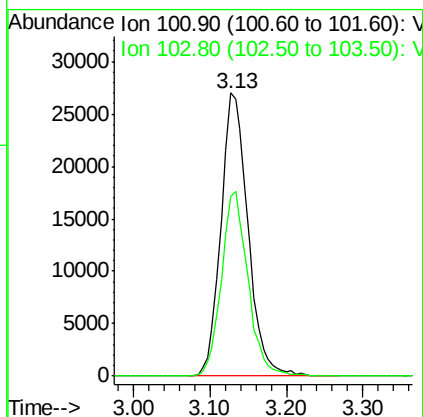
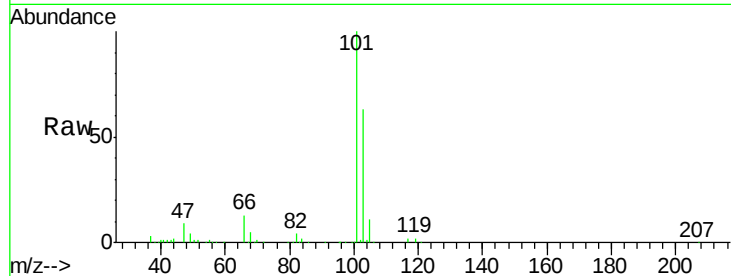
Trichlorofluoromethane
 Concen: 20.940 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113BSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.6	79.0

Manual Integrations
 APPROVED

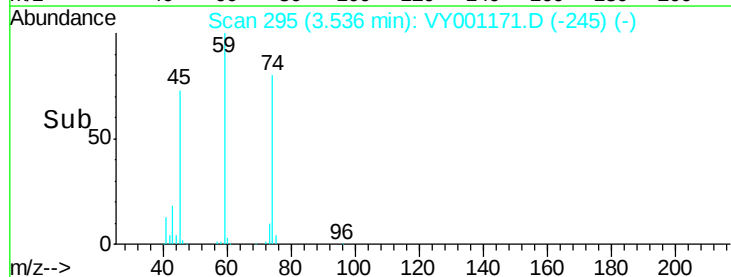
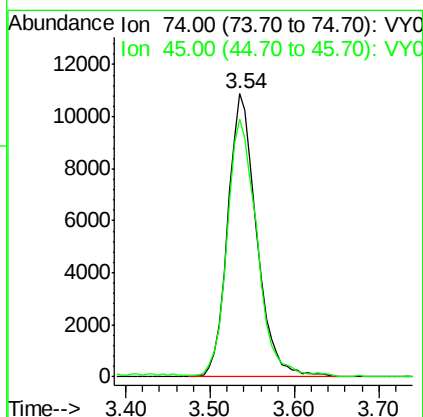
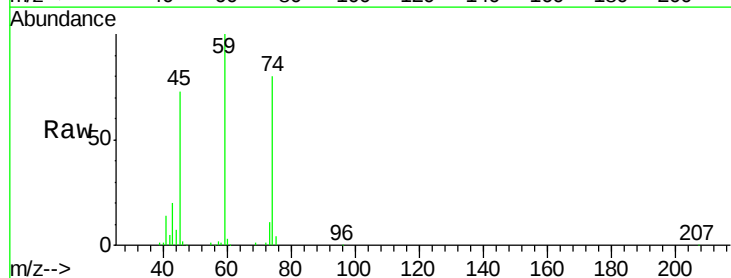
MMDadoda
 1/15/2020 3:52:47 PM

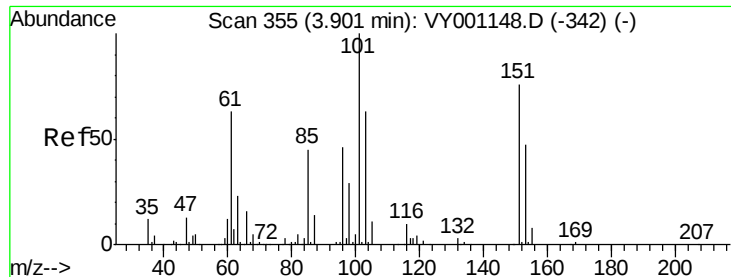


#8

Diethyl Ether
 Concen: 20.625 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.3	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.146 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

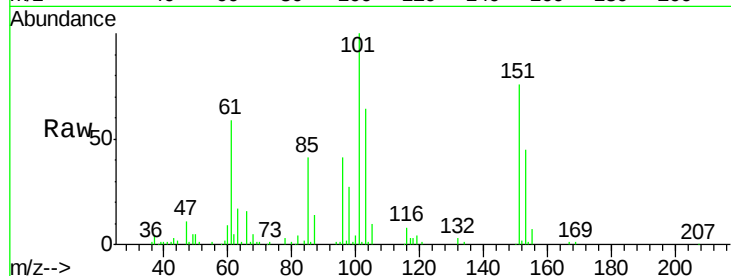
ClientSampleId :

VY0113BSD01

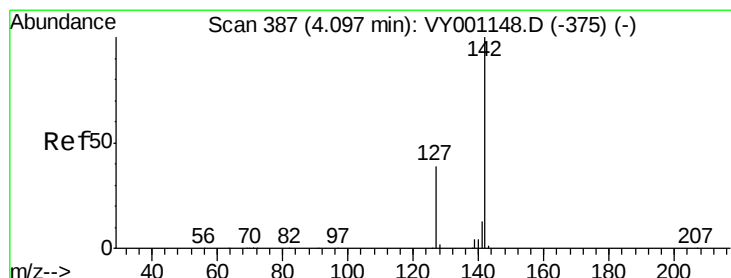
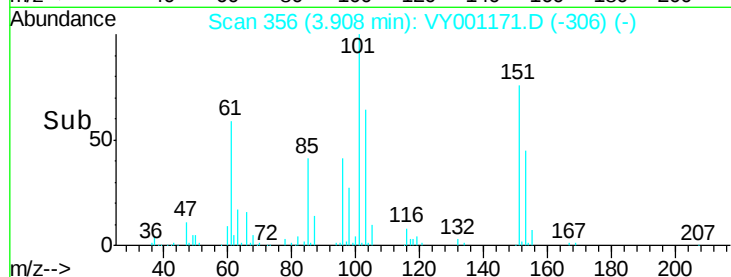
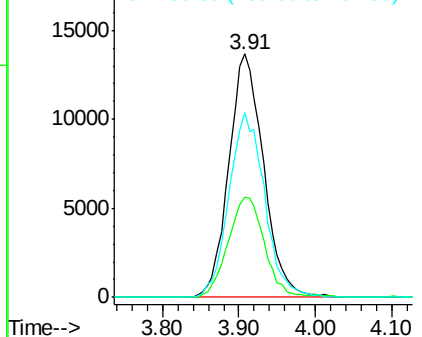
Tot Ion:	101	Resp:	43020
Ion Ratio	Lower	Upper	
101	100		
85	42.7	35.2	52.8
151	77.8	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
1/15/2020 3:52:47 PM



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: 20.630 ug/l

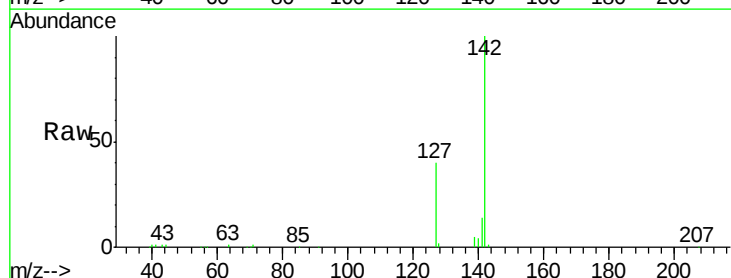
RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

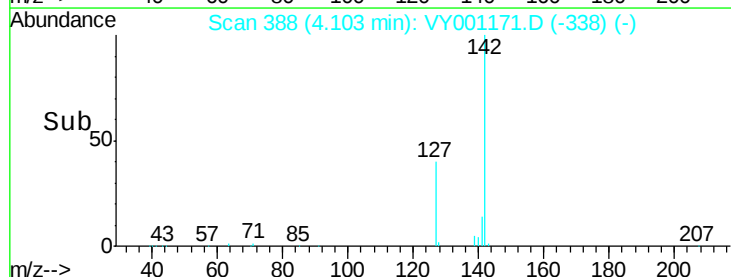
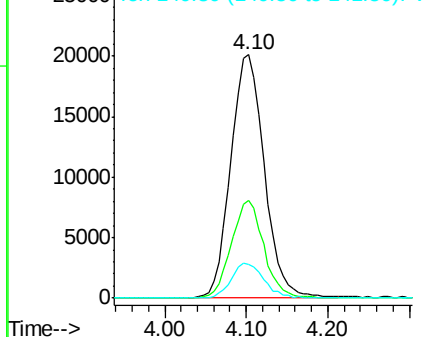
Lab File: VY001171.D

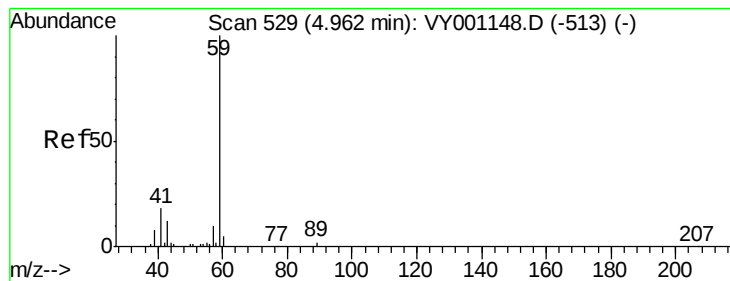
Acq: 13 Jan 2020 11:36

Tgt Ion:	142	Resp:	57446
Ion Ratio	Lower	Upper	
142	100		
127	38.7	30.8	46.2
141	13.9	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

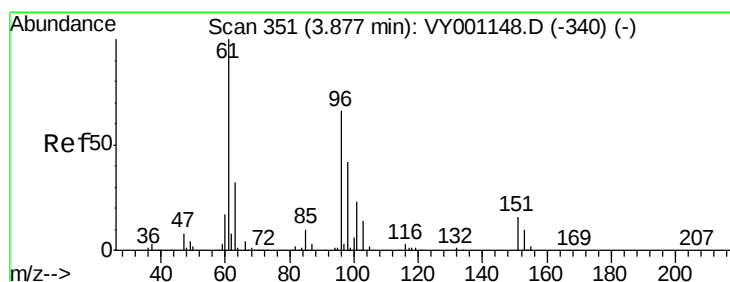
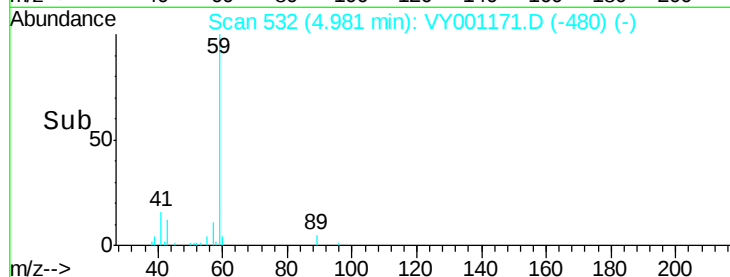
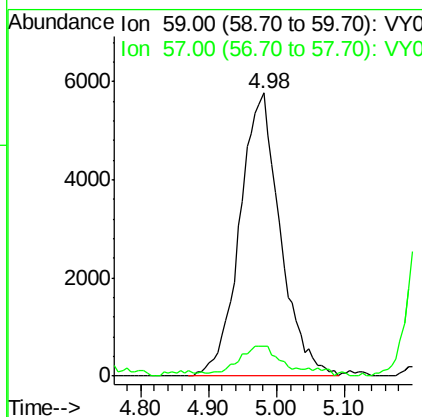
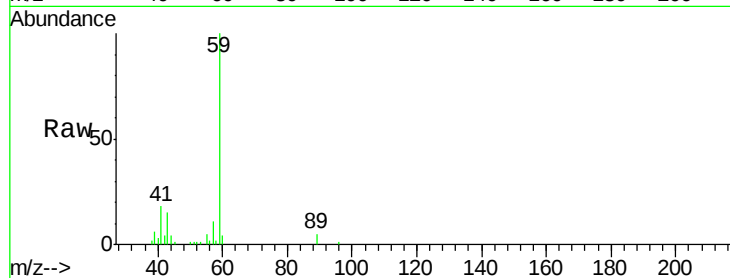
Tert butyl alcohol
Concen: 110.438 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.02 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0113BSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.8	11.8

Manual Integrations
APPROVED

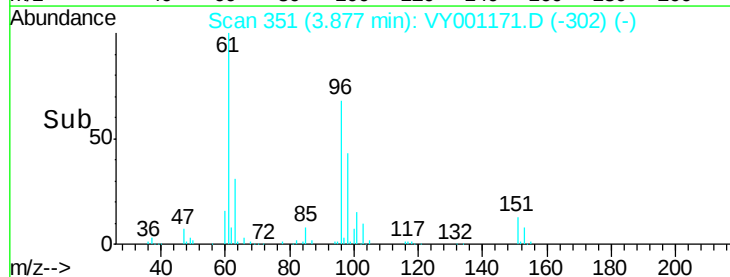
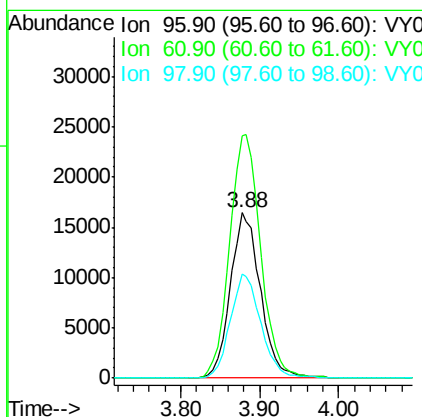
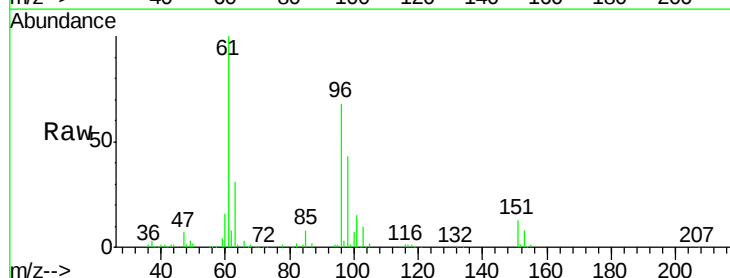
MMDadoda
1/15/2020 3:52:47 PM

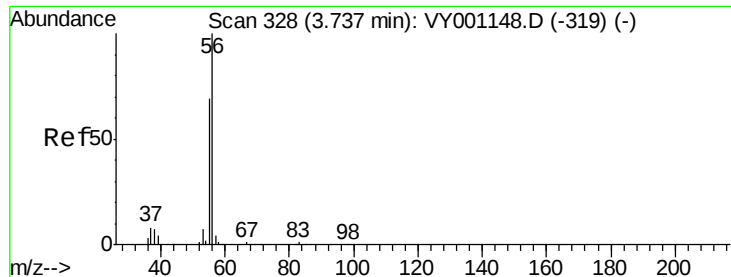


#12

1,1-Dichloroethene
Concen: 21.013 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.7	122.1	183.1
98	63.3	51.0	76.6





#13

Acrolein

Concen: 115.174 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0113SBS01

Tot Ion: 56 Resp: 22433

Ion Ratio Lower Upper

56 100

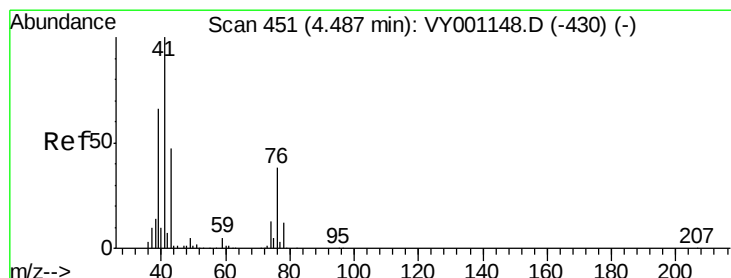
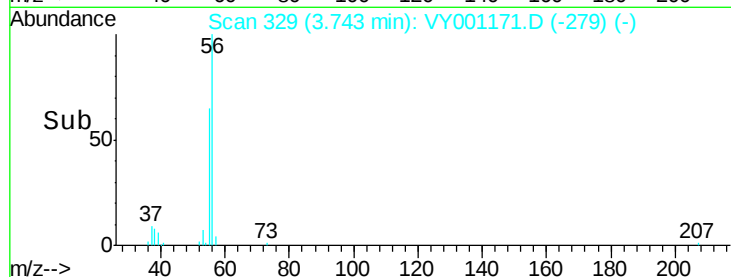
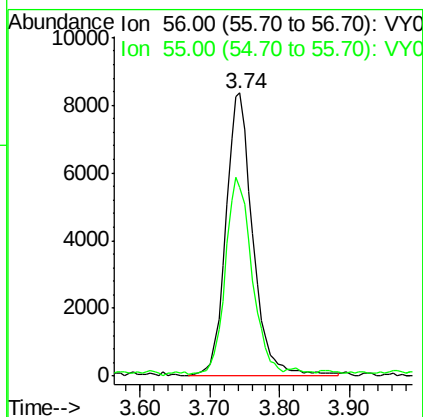
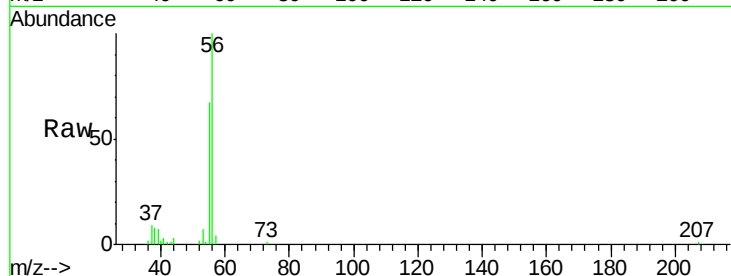
55 67.7 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

1/15/2020 3:52:47 PM



#14

Allyl chloride

Concen: 20.517 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

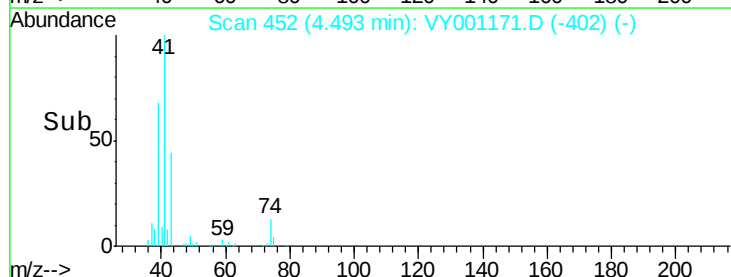
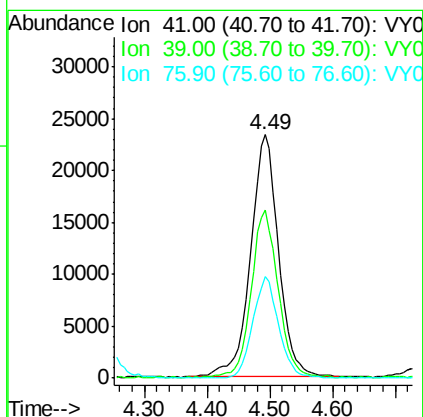
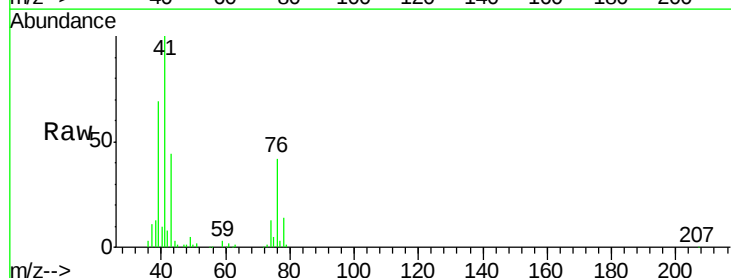
Tgt Ion: 41 Resp: 72073

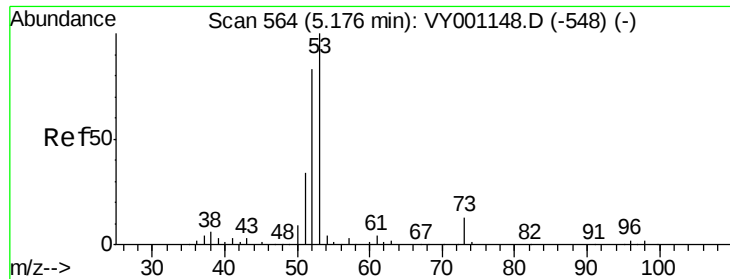
Ion Ratio Lower Upper

41 100

39 66.3 52.6 78.8

76 38.6 30.2 45.2





#15

Acrylonitrile

Concen: 103.236 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

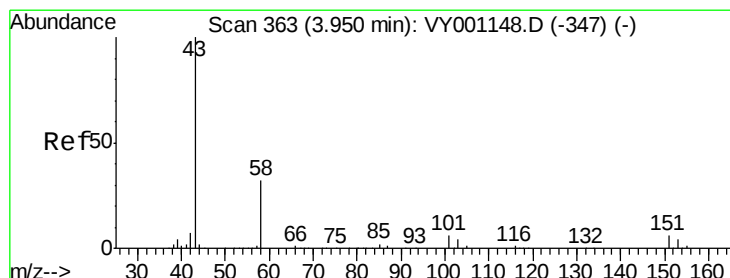
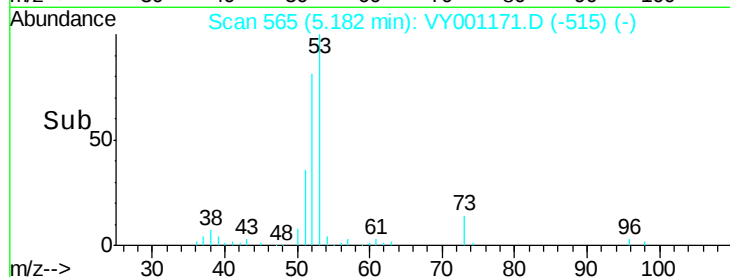
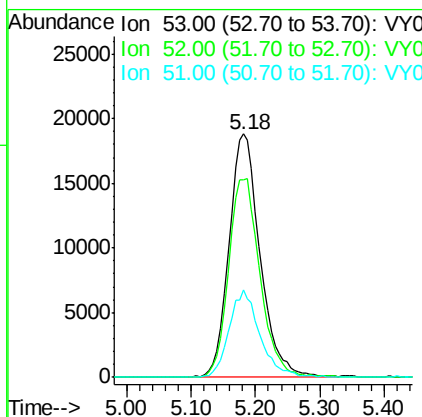
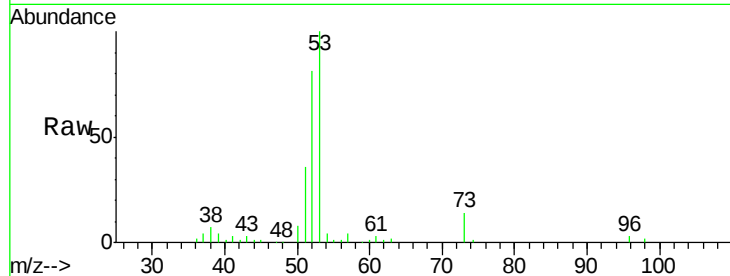
ClientSampleId :

VY0113BSD01

Tot Ion:	53	Resp:	63408
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.7	98.5
51	35.2	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
1/15/2020 3:52:47 PM



#16

Acetone

Concen: 98.937 ug/l

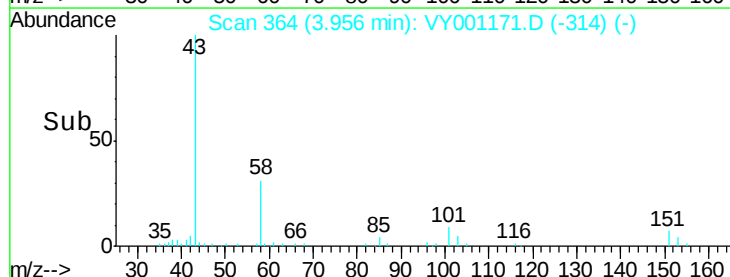
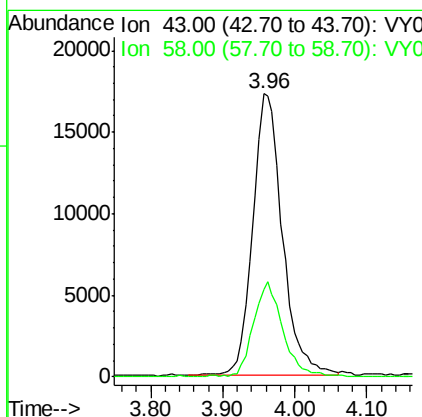
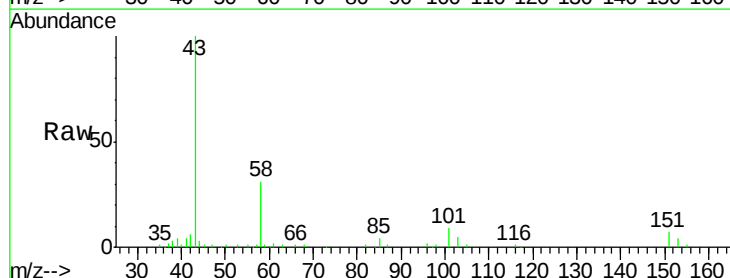
RT: 3.96 min Scan# 364

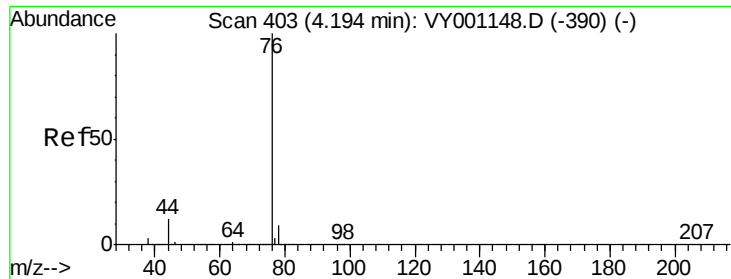
Delta R.T. 0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Tgt Ion:	43	Resp:	49410
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.8	38.6





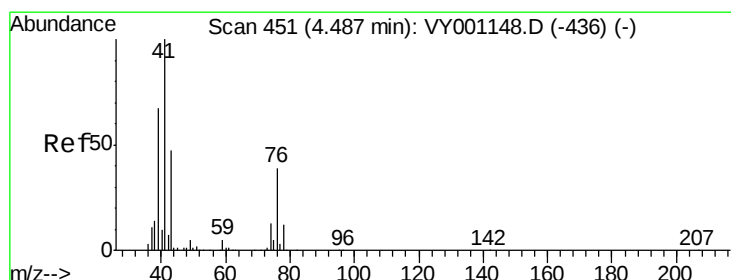
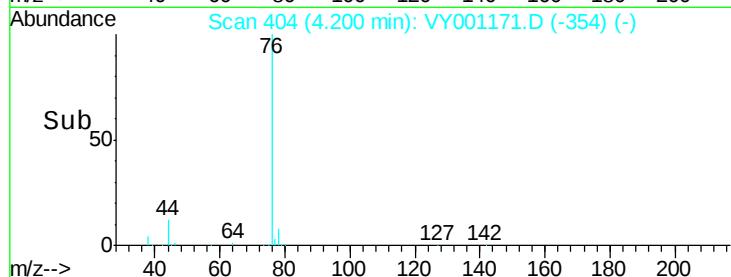
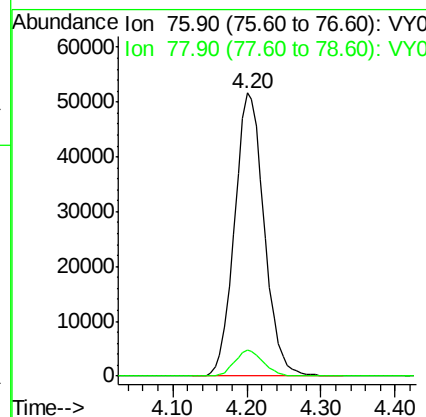
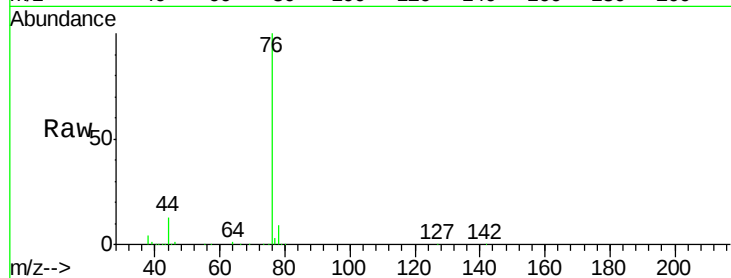
#17
Carbon Disulfide
Concen: 21.355 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0113BSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

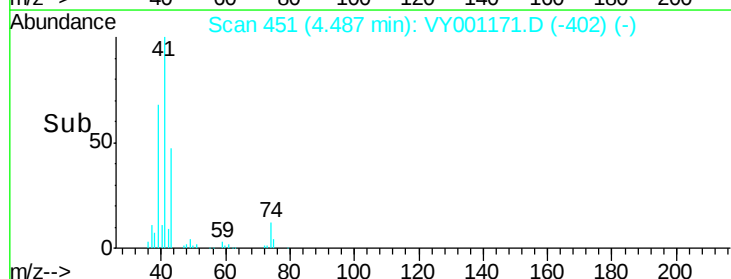
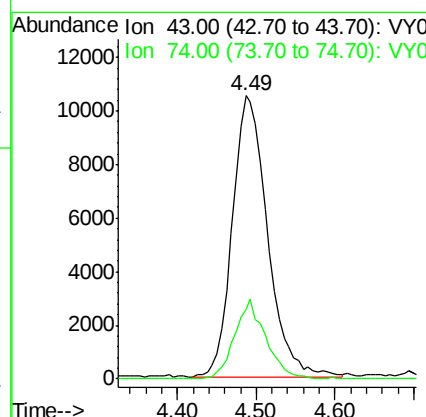
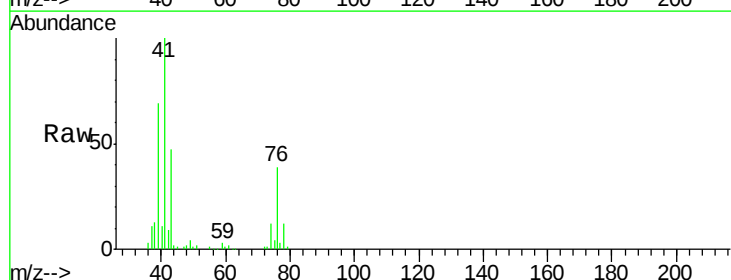
Manual Integrations
APPROVED

MMDadoda
1/15/2020 3:52:47 PM



#18
Methyl Acetate
Concen: 19.752 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.2	30.2





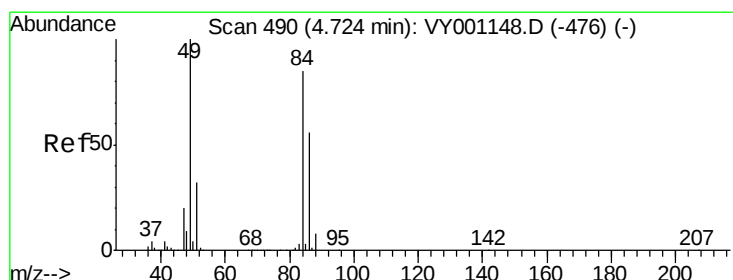
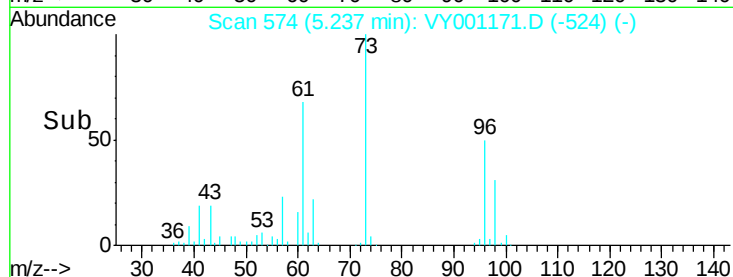
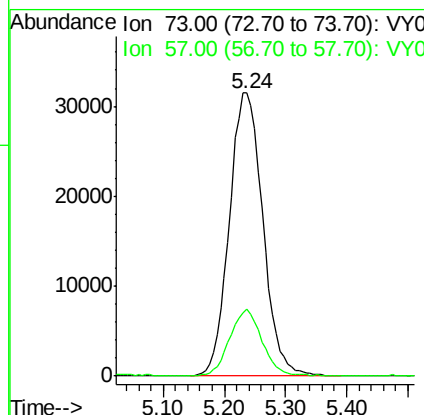
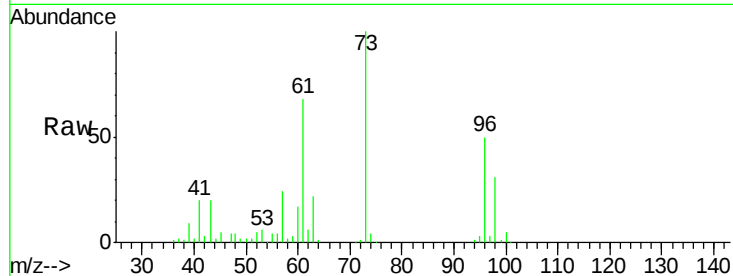
#19
Methyl tert-butyl Ether
Concen: 20.694 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0113SBS01

Tot Ion: 73 Resp: 119140
Ion Ratio Lower Upper
73 100
57 23.5 17.8 26.6

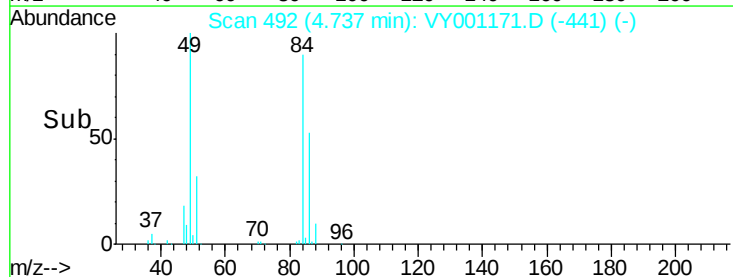
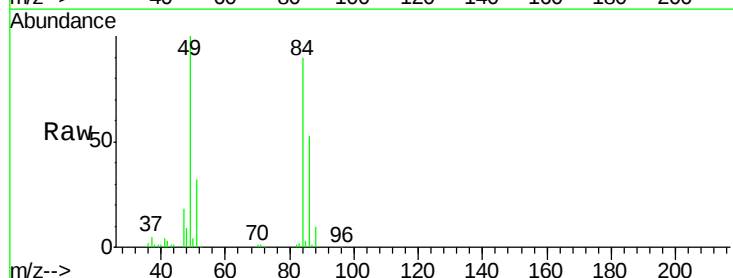
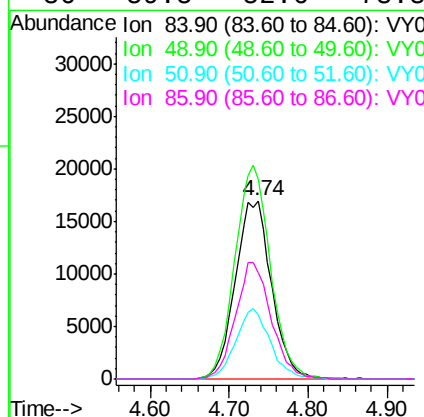
Manual Integrations
APPROVED

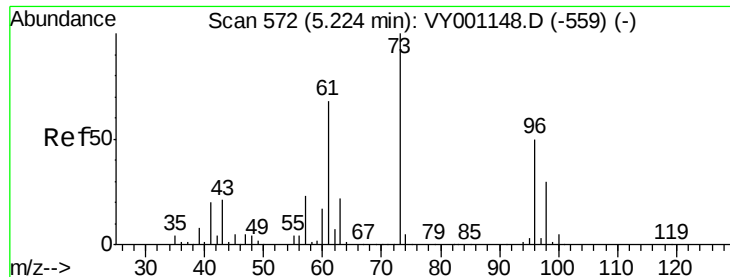
MMDadoda
1/15/2020 3:52:47 PM



#20
Methylene Chloride
Concen: 19.988 ug/l
RT: 4.74 min Scan# 492
Delta R.T. 0.01 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Tgt Ion: 84 Resp: 54235
Ion Ratio Lower Upper
84 100
49 111.6 93.8 140.6
51 35.9 29.9 44.9
86 59.5 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 21.019 ug/l

RT: 5.24 min Scan# 574

Delta R.T. 0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

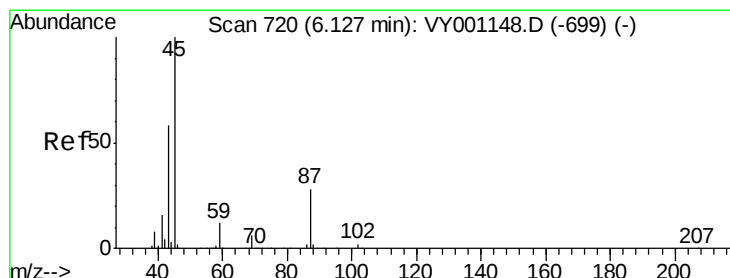
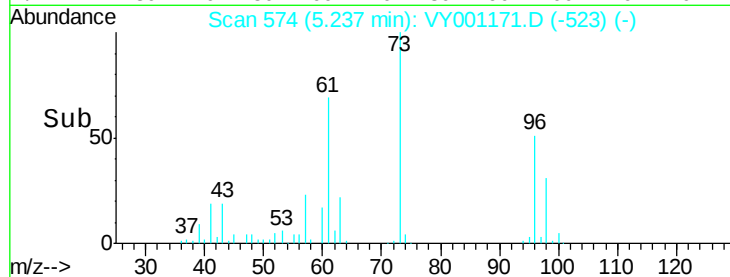
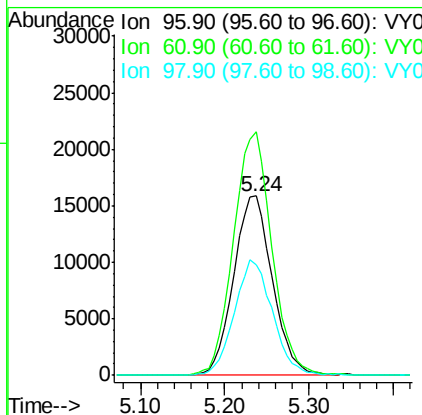
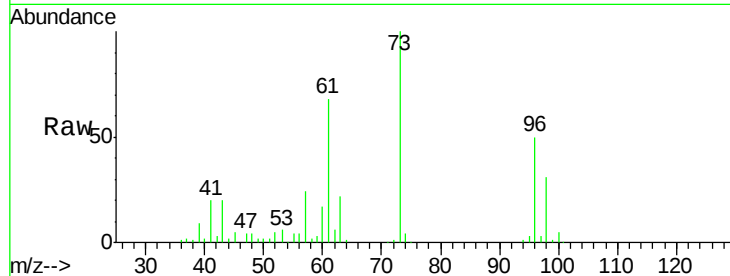
ClientSampleId :

VY0113BSD01

Tot Ion:	96	Resp:	49607
Ion	Ratio	Lower	Upper
96	100		
61	135.6	107.6	161.4
98	61.4	47.6	71.4

Manual Integrations
APPROVED

MMDadoda
1/15/2020 3:52:47 PM



#22

Diisopropyl ether

Concen: 20.379 ug/l

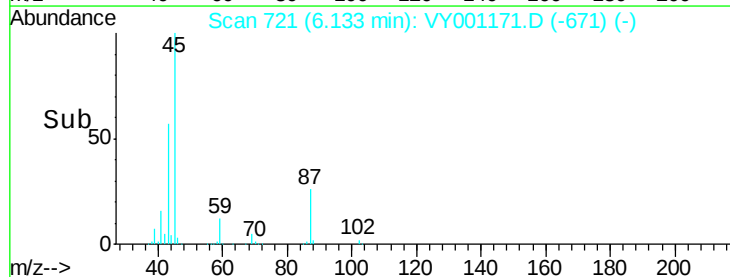
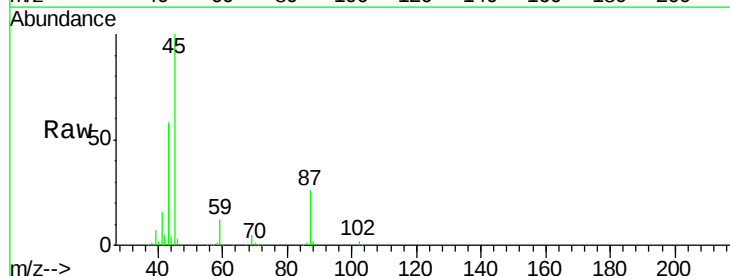
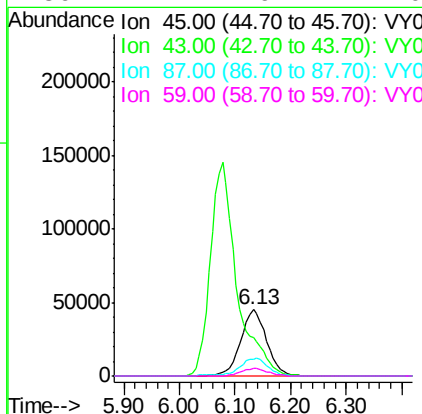
RT: 6.13 min Scan# 721

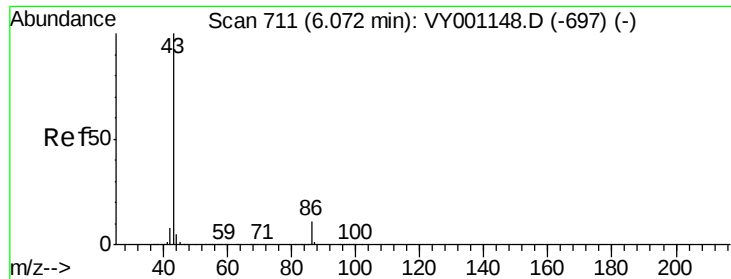
Delta R.T. 0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Tgt Ion:	45	Resp:	146221
Ion	Ratio	Lower	Upper
45	100		
43	57.2	46.5	69.7
87	26.1	22.5	33.7
59	11.7	9.4	14.0





#23

Vinyl Acetate

Concen: 104.745 ug/l

RT: 6.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0113BSD01

Tot Ion: 43 Resp: 480642

Ion Ratio Lower Upper

43 100

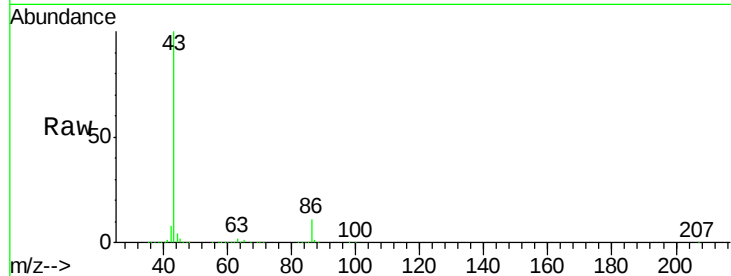
86 11.1 9.0 13.4

Manual Integrations

APPROVED

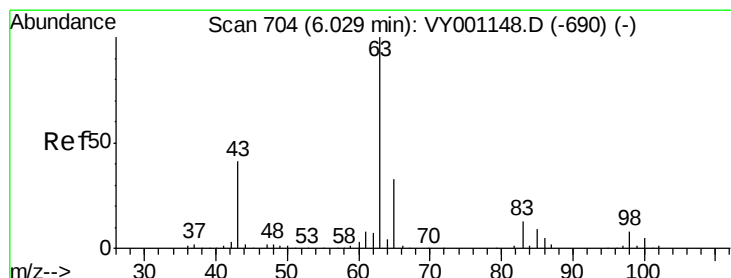
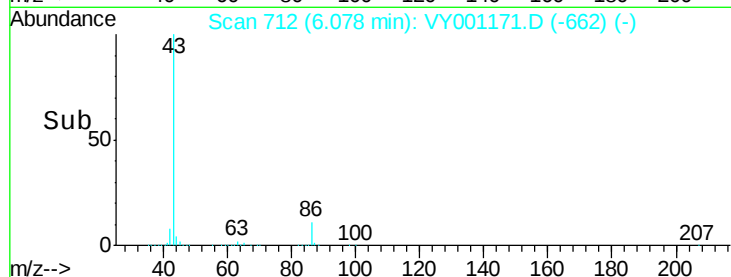
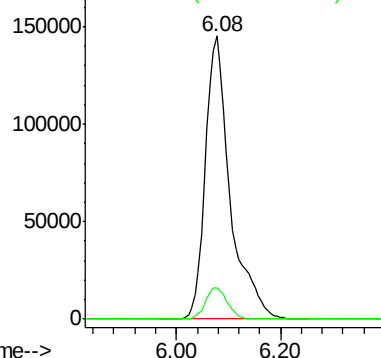
MMDadoda

1/15/2020 3:52:47 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.779 ug/l

RT: 6.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

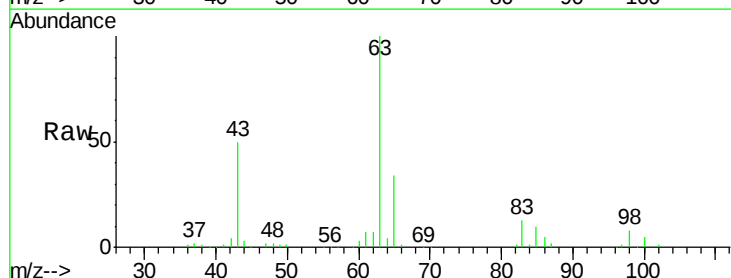
Tgt Ion: 63 Resp: 81619

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.7

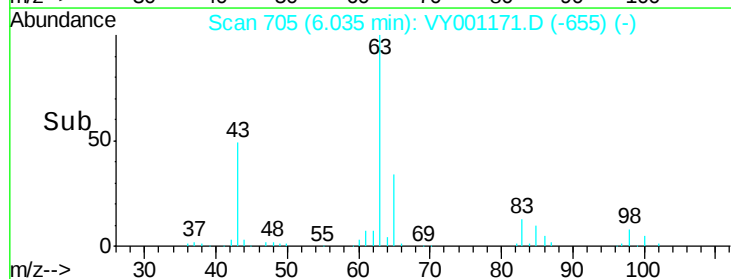
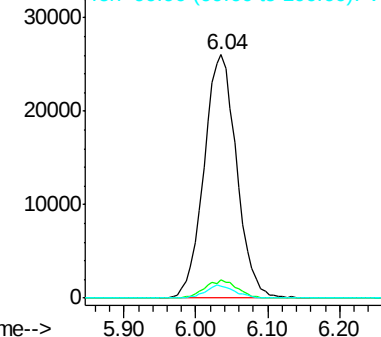
100 5.0 2.4 7.2

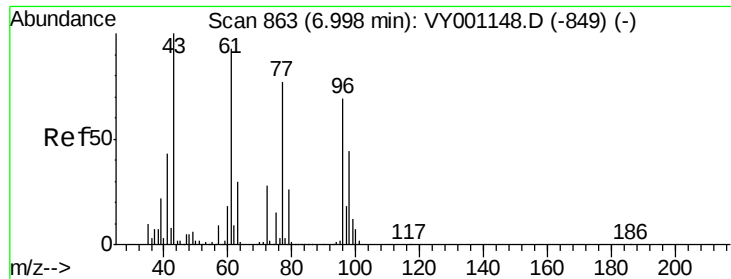


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 106.168 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0113BSD01

Tot Ion: 43 Resp: 82519

Ion Ratio Lower Upper

43 100

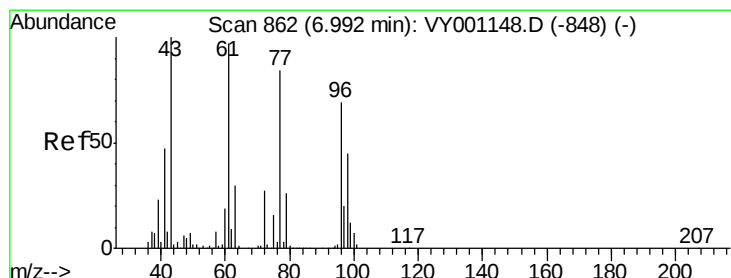
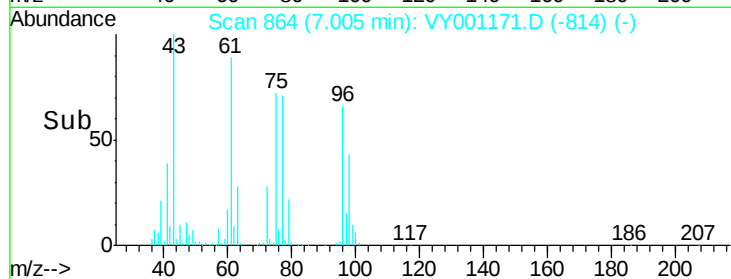
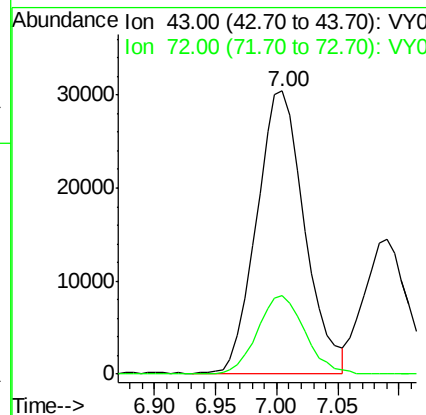
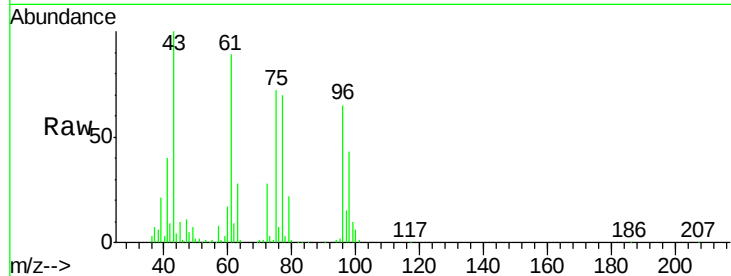
72 28.0 22.2 33.2

Manual Integrations

APPROVED

MMDadoda

1/15/2020 3:52:47 PM



#26

2,2-Dichloropropane

Concen: 20.537 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY001171.D

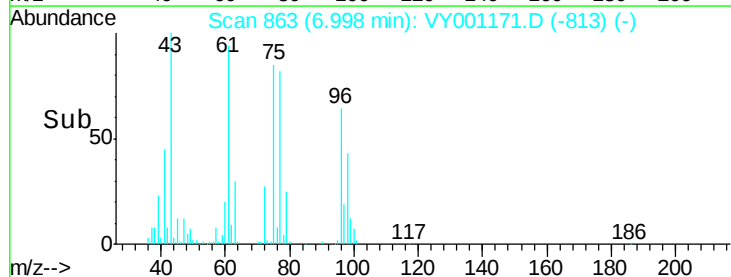
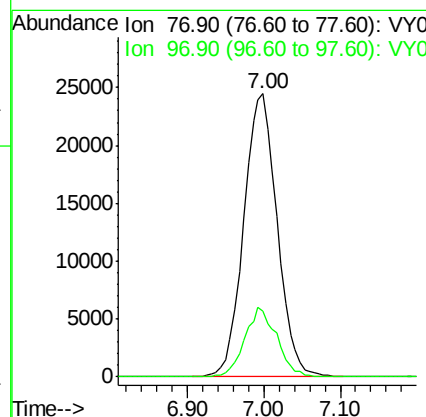
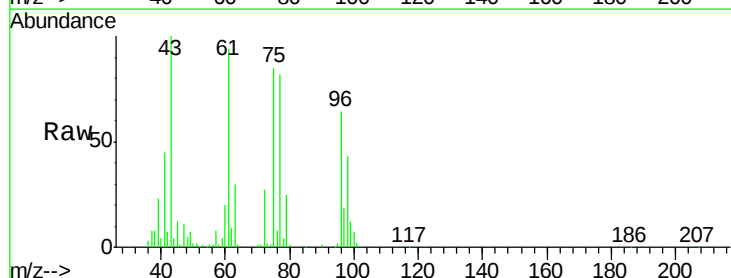
Acq: 13 Jan 2020 11:36

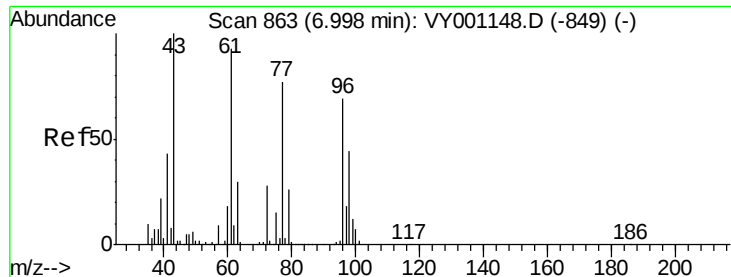
Tgt Ion: 77 Resp: 74180

Ion Ratio Lower Upper

77 100

97 23.5 11.9 35.7





#27

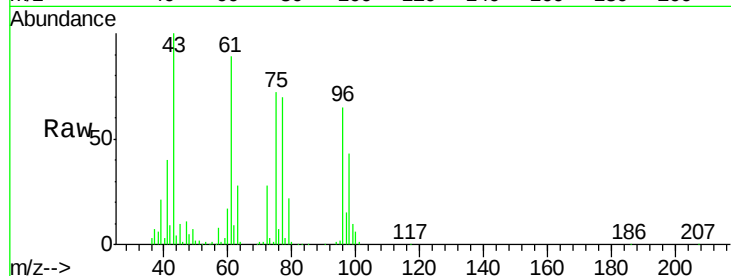
cis-1,2-Dichloroethene
Concen: 20.978 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0113BSD01

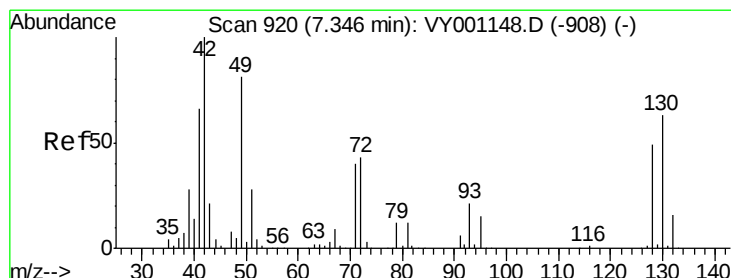
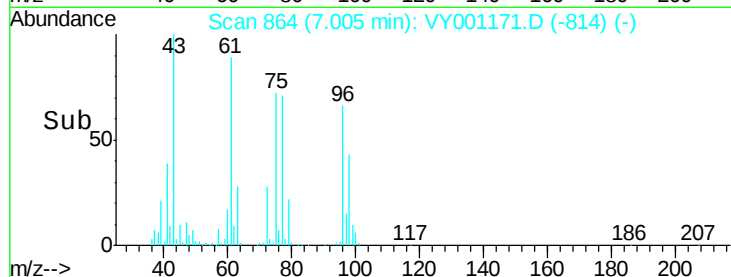
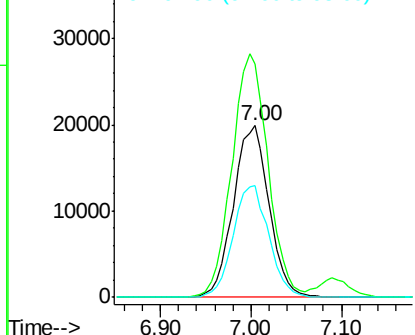
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.6	0.0	284.0	
98	65.1	0.0	130.2	

Manual Integrations
APPROVED

MMDadoda
1/15/2020 3:52:47 PM



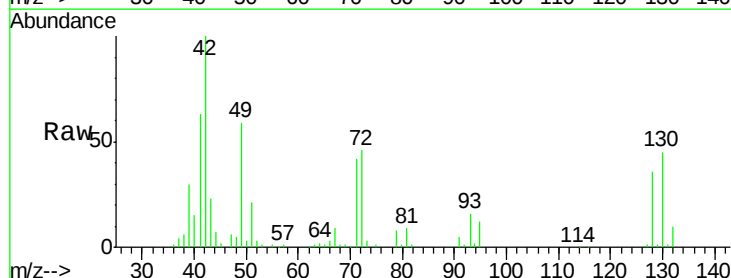
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



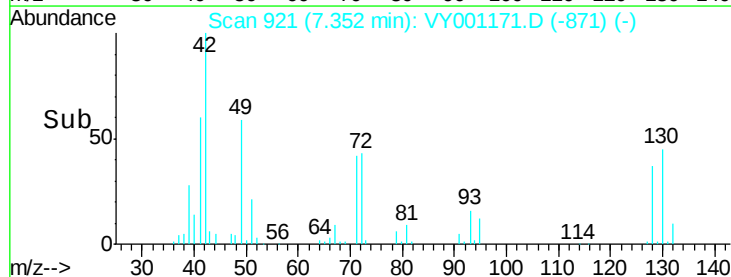
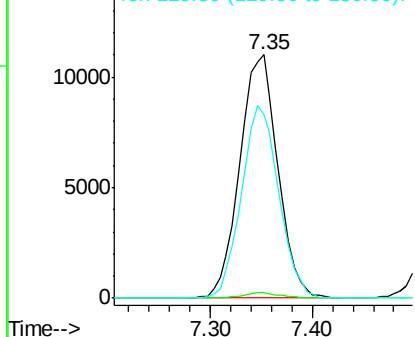
#28

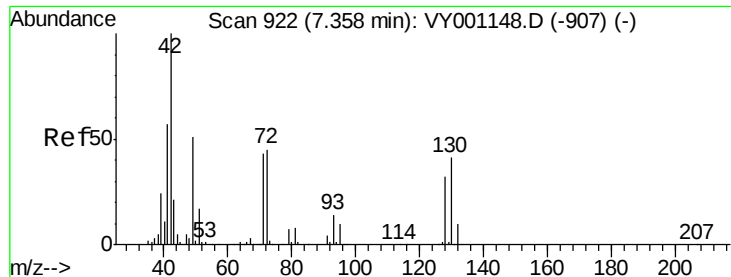
Bromochloromethane
Concen: 17.713 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.4	
130	77.6	61.2	91.8	



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0





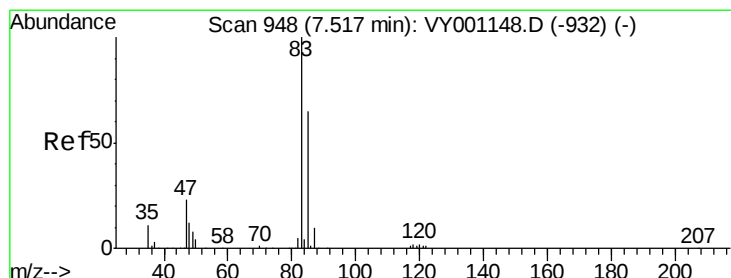
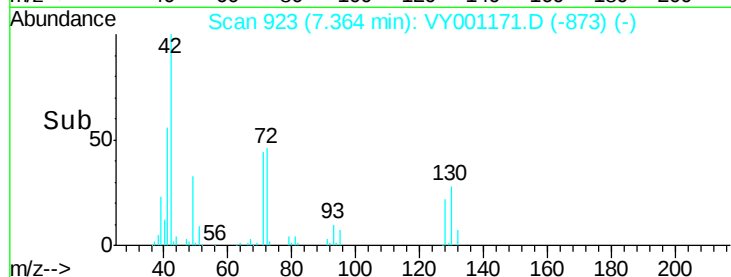
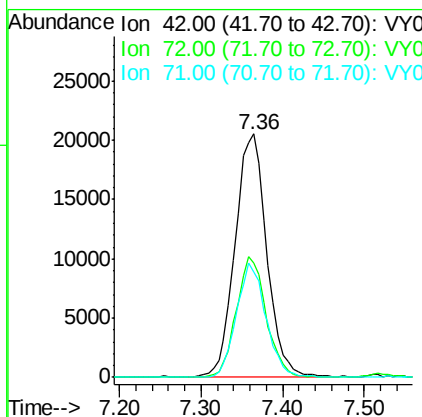
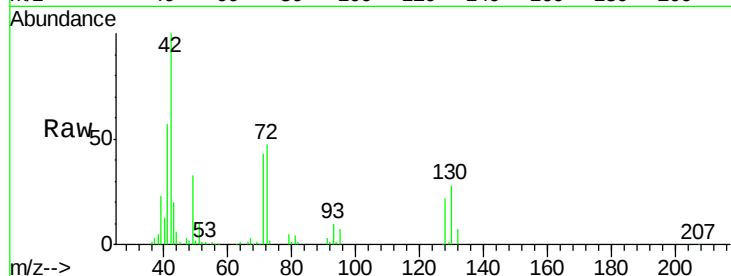
#29
Tetrahydrofuran
Concen: 103.858 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0113SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	36.9	55.3
71	43.7	34.0	51.0

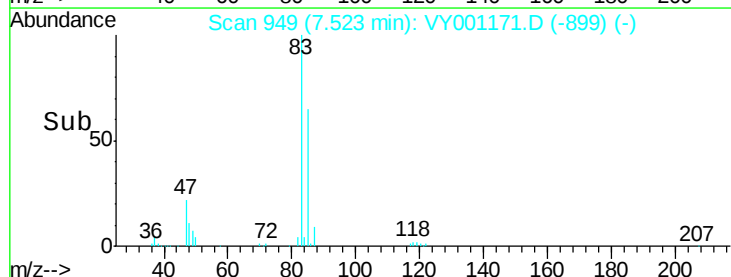
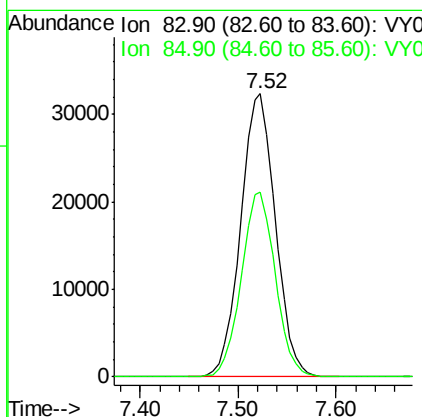
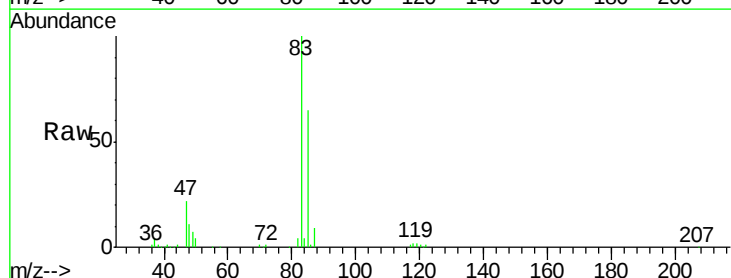
Manual Integrations
APPROVED

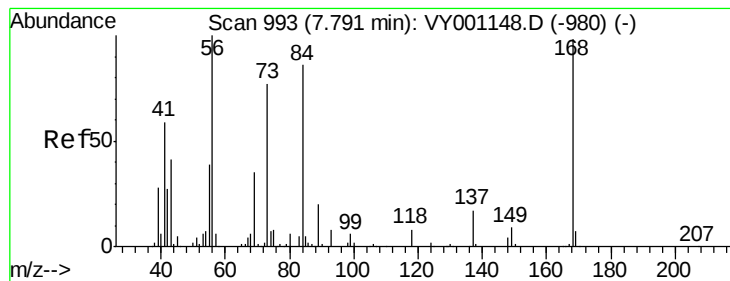
MMDadoda
1/15/2020 3:52:47 PM



#30
Chloroform
Concen: 20.684 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.9	77.9





#31

Cvclohexane

Concen: 20.490 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

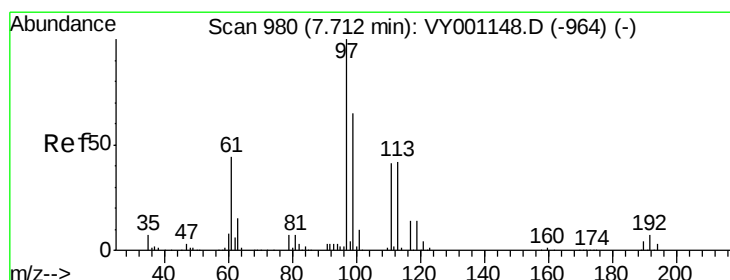
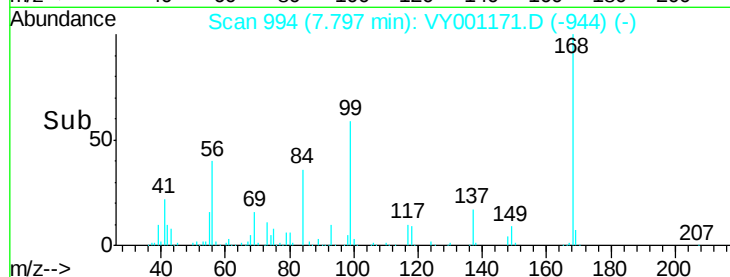
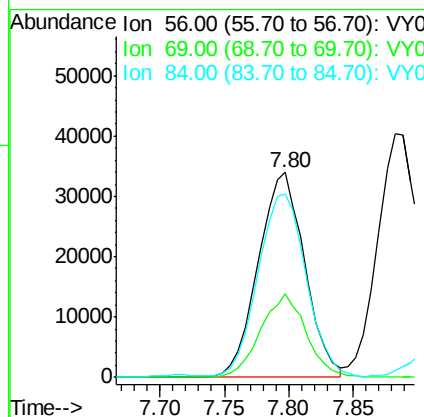
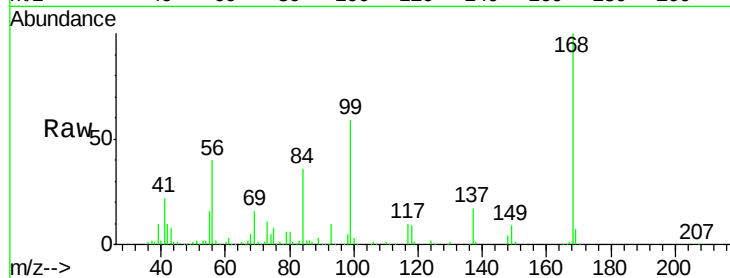
ClientSampleId :

VY0113SBS01

Tot Ion:	56	Resp:	85216
Ion	Ratio	Lower	Upper
56	100		
69	40.4	27.8	41.8
84	88.4	68.9	103.3

Manual Integrations
APPROVED

MMDadoda
1/15/2020 3:52:47 PM



#32

1,1,1-Trichloroethane

Concen: 20.499 ug/l

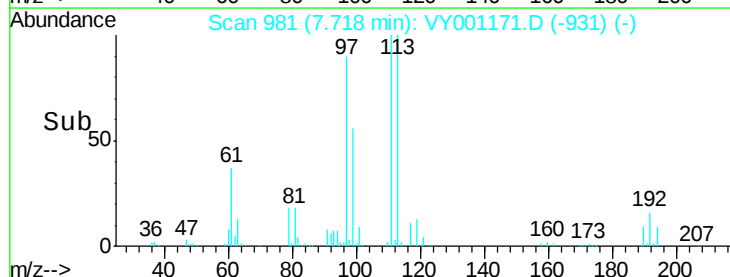
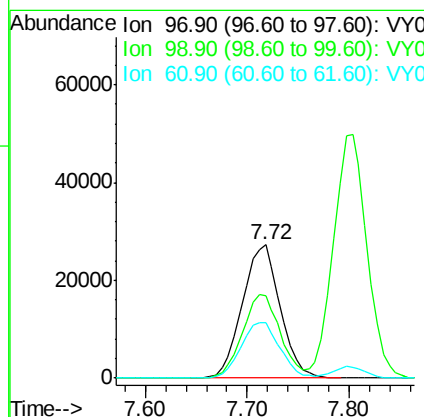
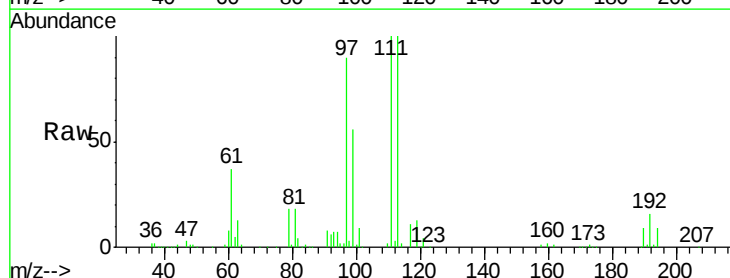
RT: 7.72 min Scan# 981

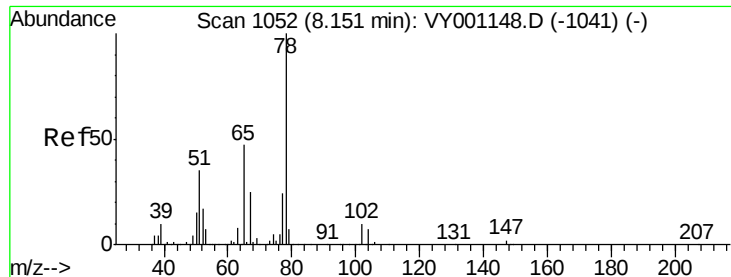
Delta R.T. 0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Tgt Ion:	97	Resp:	70001
Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.3	76.9
61	43.1	34.6	52.0





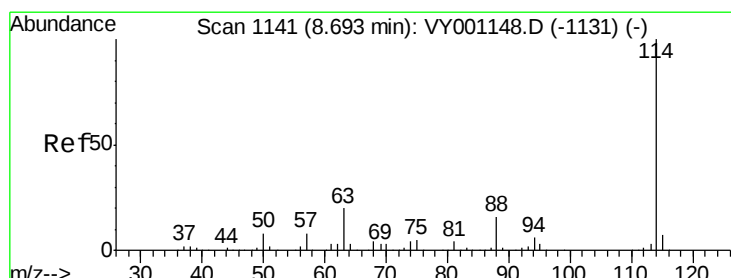
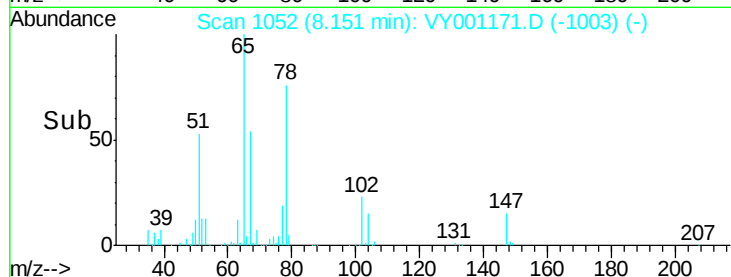
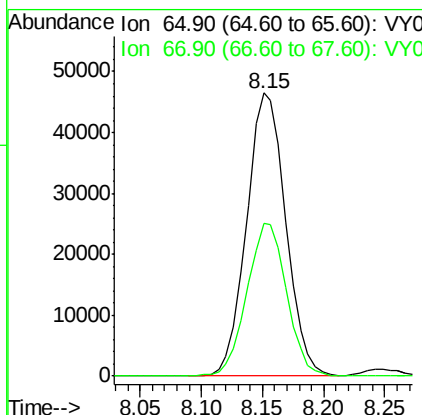
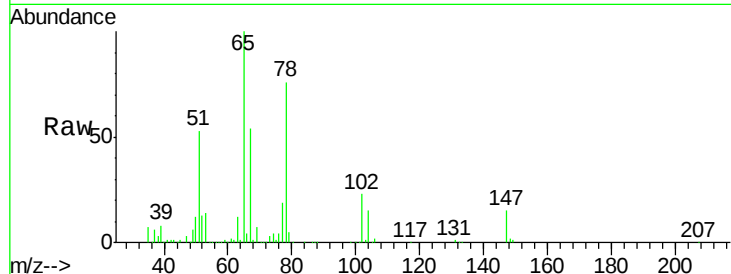
#33
 1,2-Dichloroethane-d4
 Concen: 48.220 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113BSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	103692		
67	54.4	0.0	105.2	

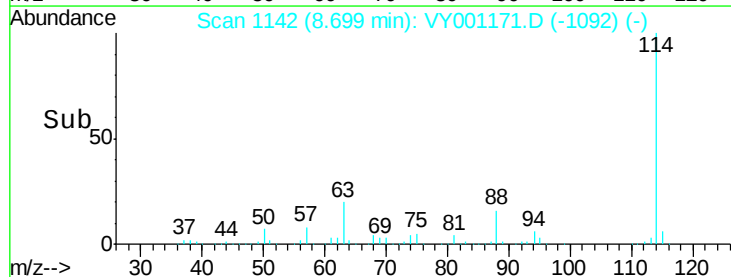
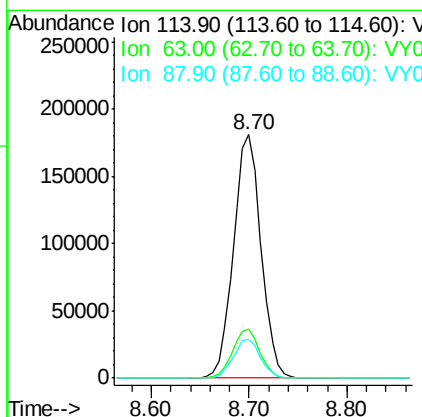
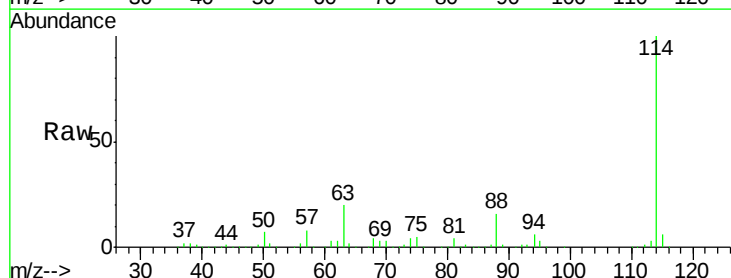
Manual Integrations
 APPROVED

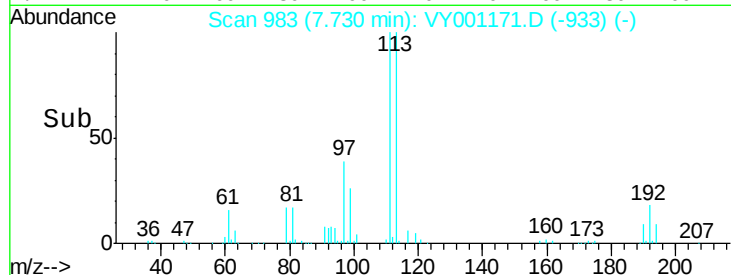
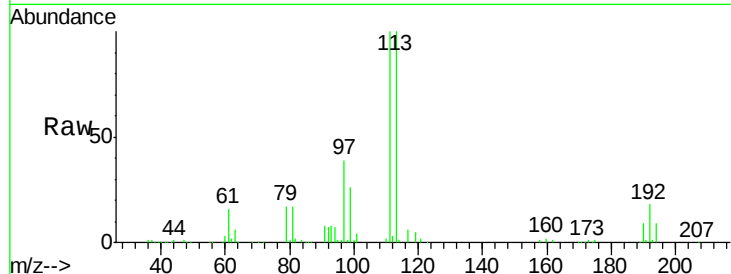
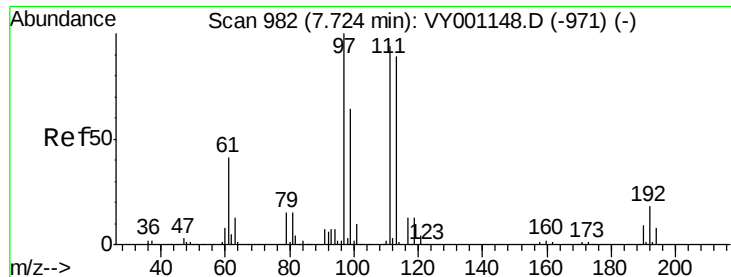
MMDadoda
 1/15/2020 3:52:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	351301		
63	20.4	0.0	40.8	
88	15.8	0.0	32.4	





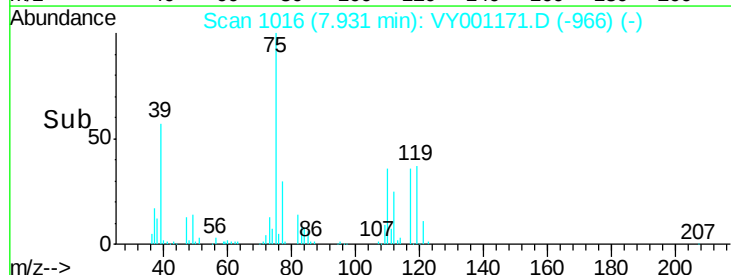
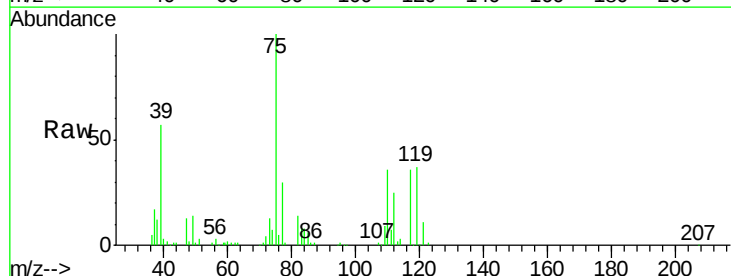
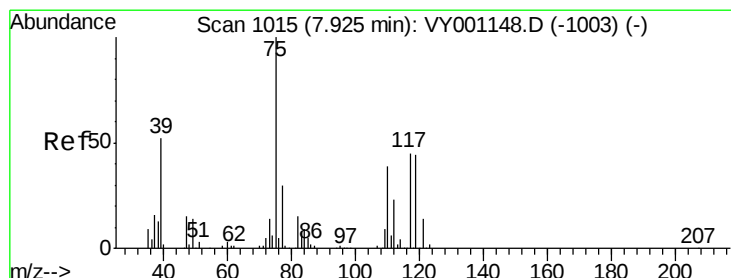
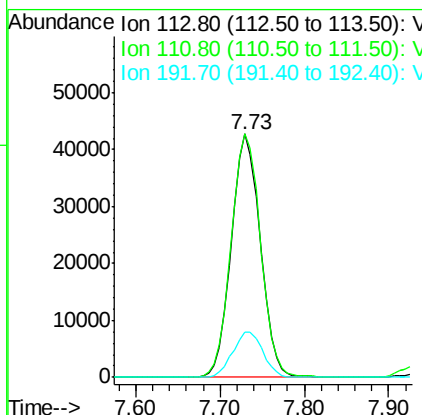
#35
Dibromofluoromethane
Concen: 48.264 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.01 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Tot Ion	Ratio	Resp	Lower	Upper
113	100	99273		
111	101.7		82.9	124.3
192	19.3		15.4	23.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0113BSD01

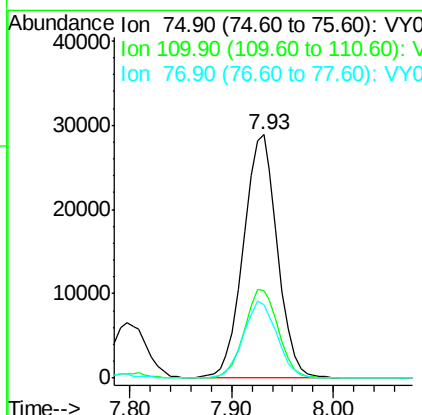
Manual Integrations
APPROVED

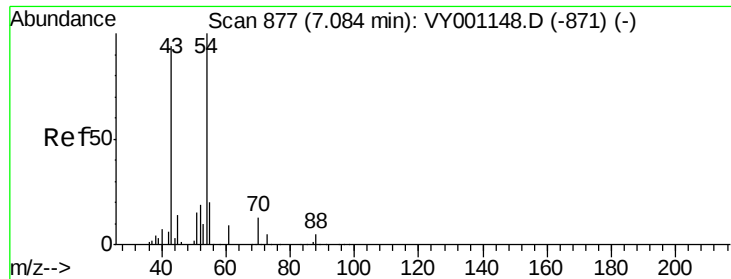
MMDadoda
1/15/2020 3:52:47 PM



#36
1,1-Dichloropropene
Concen: 20.894 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	66901		
110	36.1		18.3	54.8
77	31.3		25.1	37.7





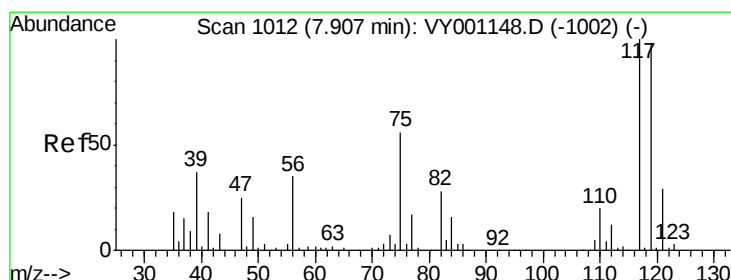
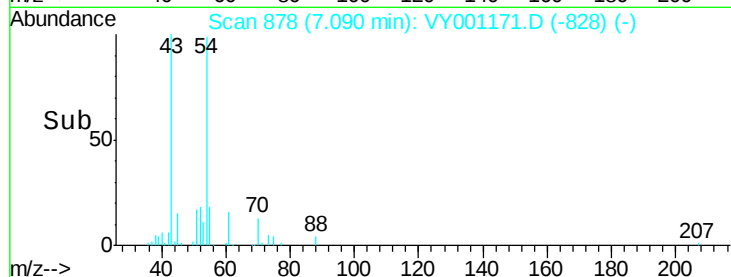
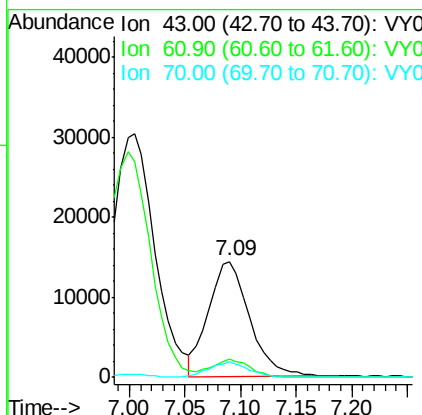
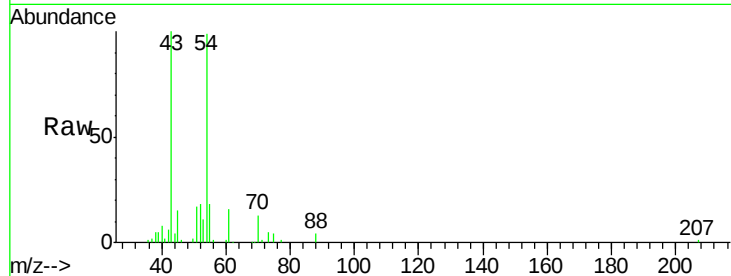
#37
Ethyl Acetate
Concen: 19.653 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0113BSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.1	16.7
70	13.0	9.7	14.5

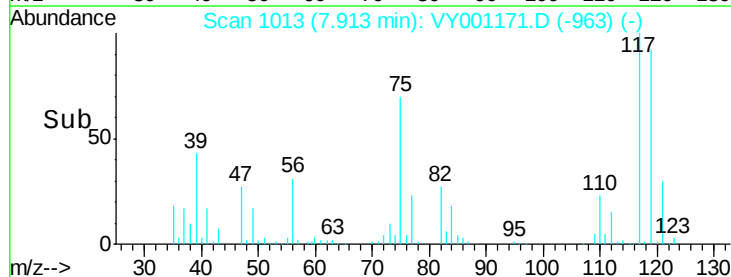
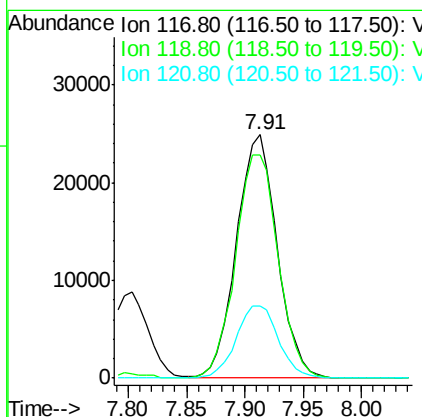
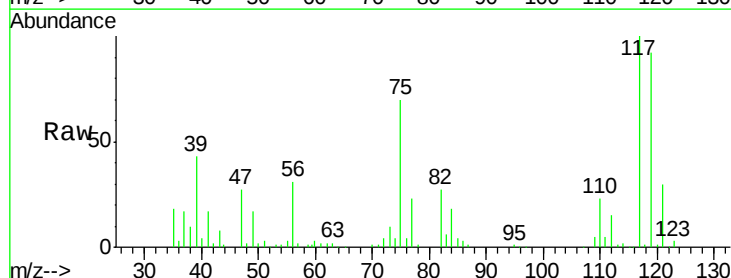
Manual Integrations
APPROVED

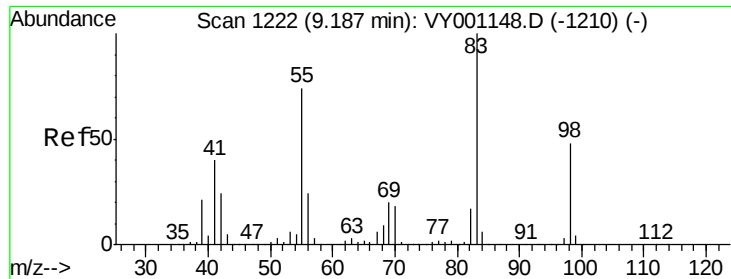
MMDadoda
1/15/2020 3:52:47 PM



#38
Carbon Tetrachloride
Concen: 20.656 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	78.3	117.5
121	29.8	23.5	35.3





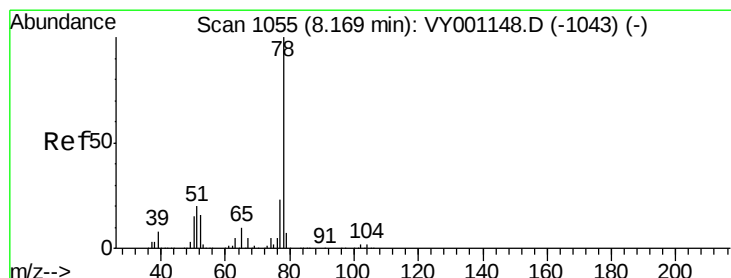
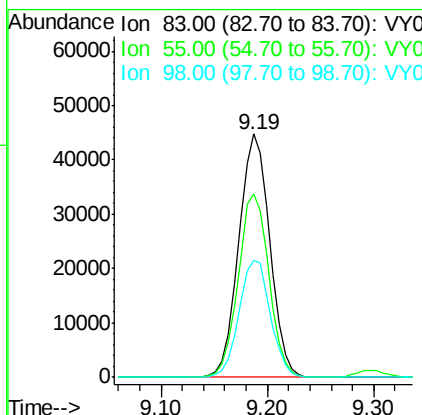
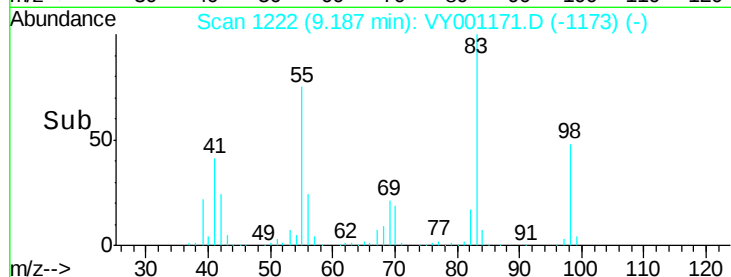
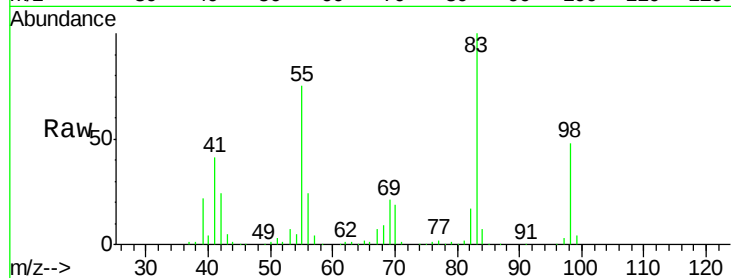
#39
Methvlcvclohexane
Concen: 21.145 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0113BSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	58.9	88.3
98	47.9	38.4	57.6

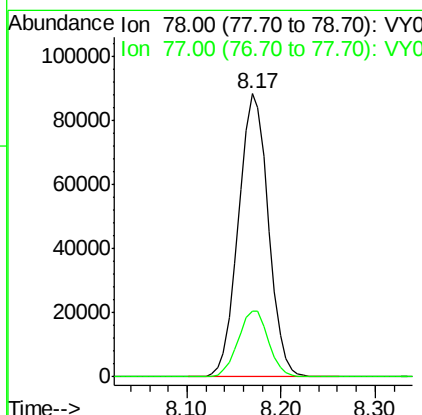
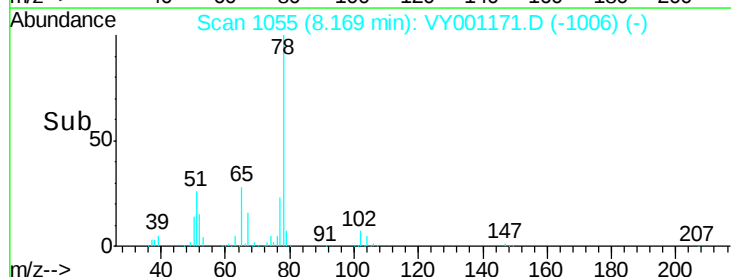
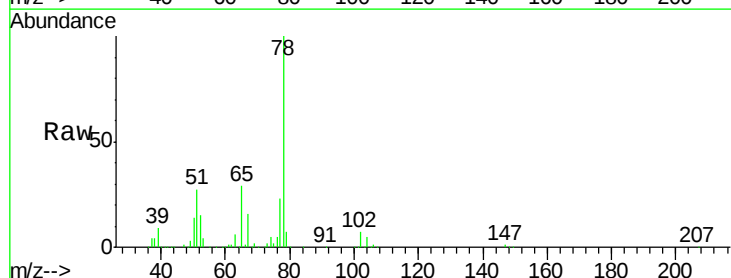
Manual Integrations
APPROVED

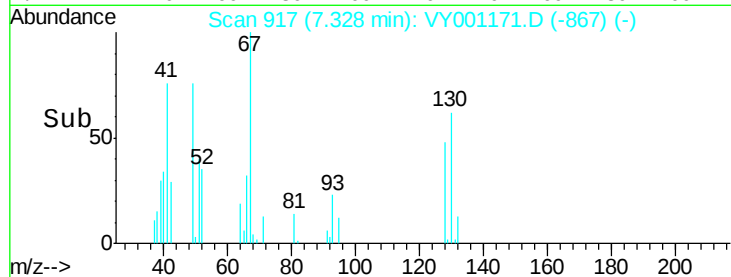
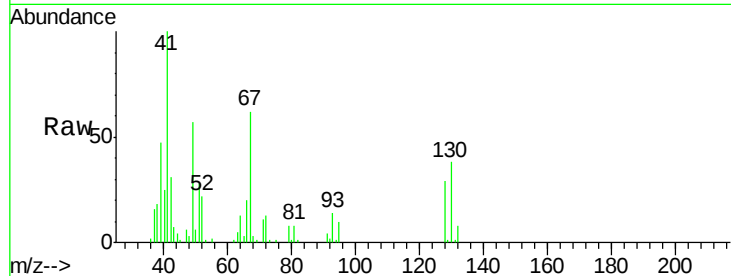
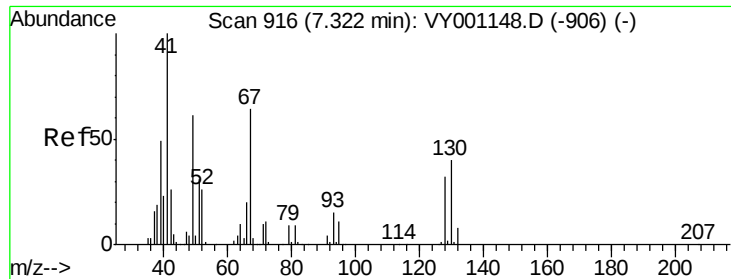
MMDadoda
1/15/2020 3:52:47 PM



#40
Benzene
Concen: 20.962 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





#41

Methacrylonitrile

Concen: 18.293 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. 0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Tot Ion:	41	Resp:	16147
Ion	Ratio	Lower	Upper
41	100		
39	152.2	103.5	155.3
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :

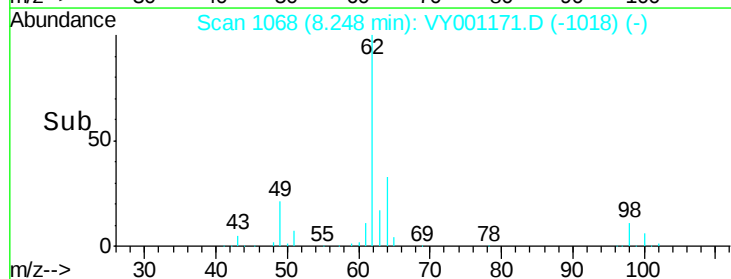
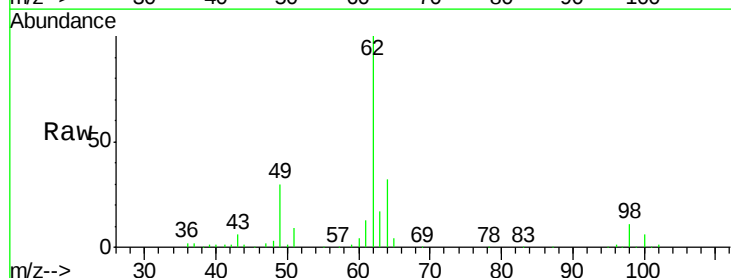
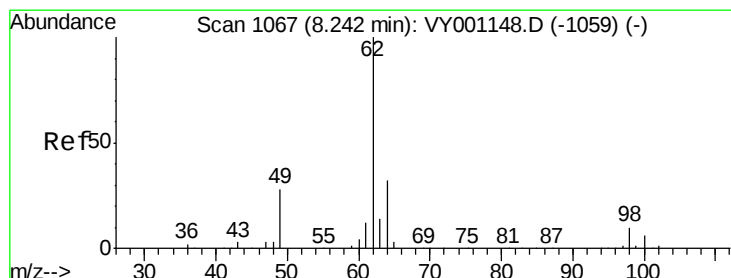
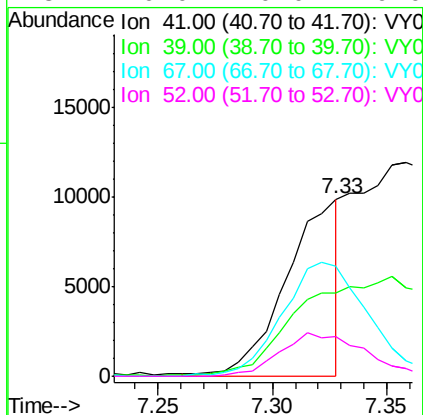
MSVOA_Y

ClientSampleId :

VY0113BSD01

Manual Integrations
APPROVED

MMDadoda
1/15/2020 3:52:47 PM



#42

1,2-Dichloroethane

Concen: 20.438 ug/l

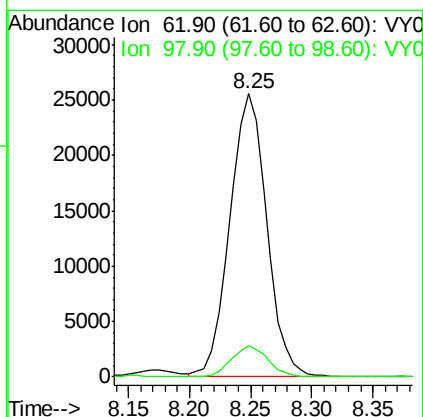
RT: 8.25 min Scan# 1068

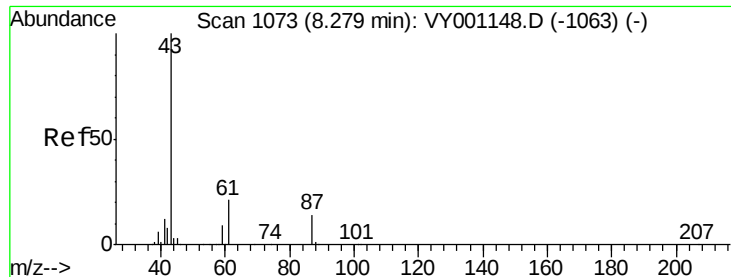
Delta R.T. 0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Tgt Ion:	62	Resp:	53488
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.4





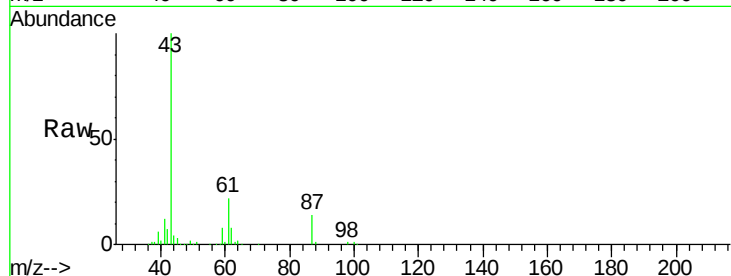
#43
Isopropyl Acetate
Concen: 20.540 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0113BSD01

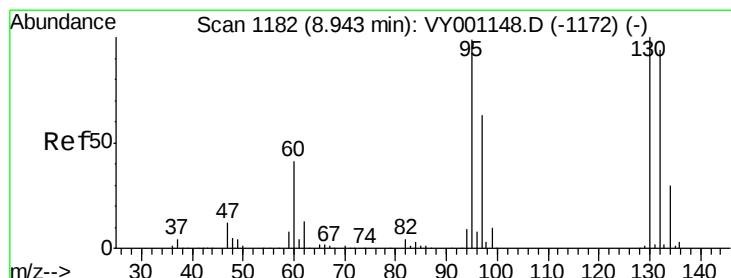
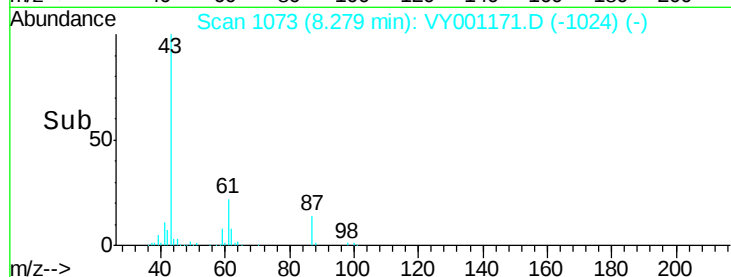
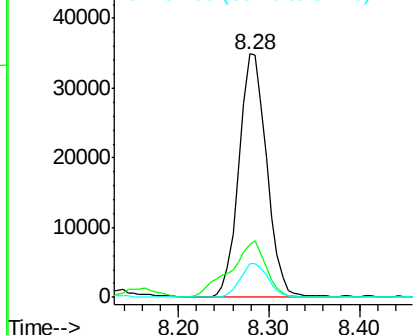
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.9	35.9
87	13.9	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
1/15/2020 3:52:47 PM

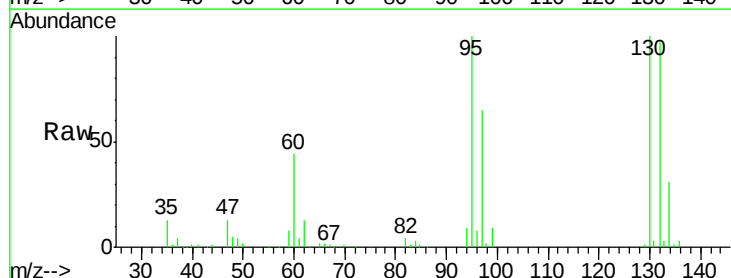


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

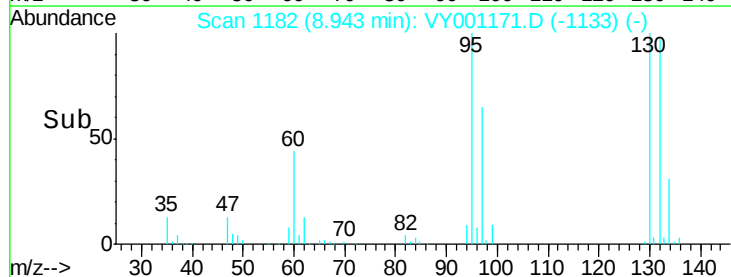
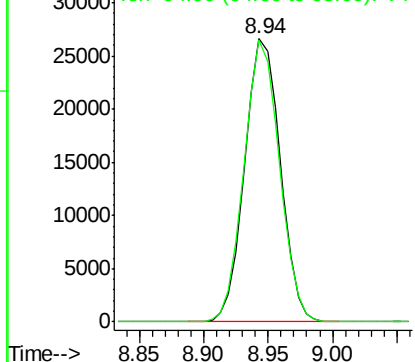


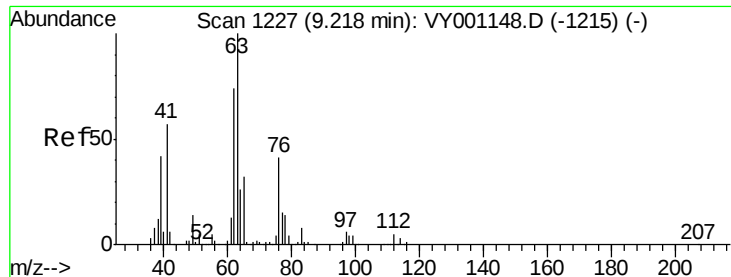
#44
Trichloroethene
Concen: 20.940 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	197.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0





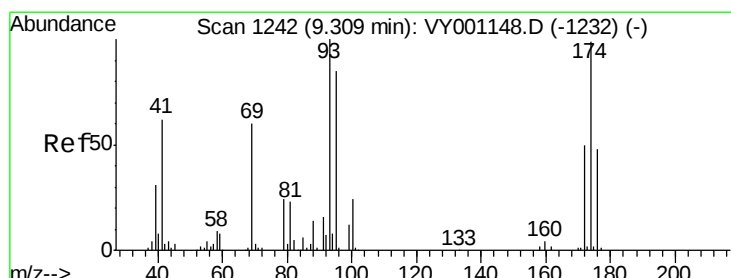
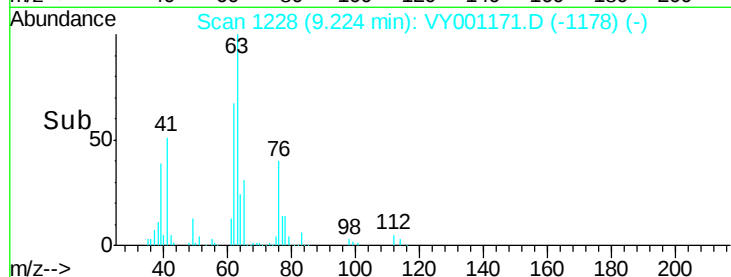
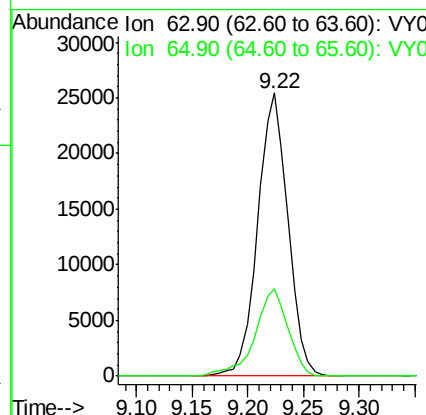
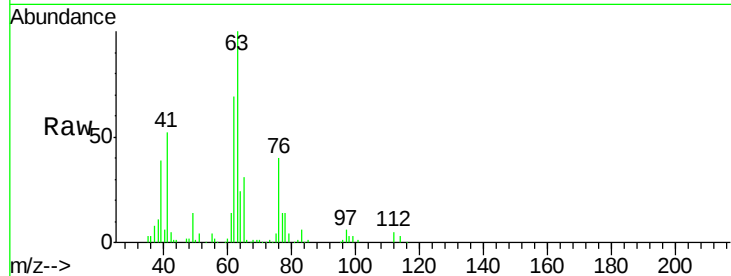
#45
 1,2-Dichloropropane
 Concen: 20.834 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113BSD01

Tot Ion: 63 Resp: 48139
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.8 38.8

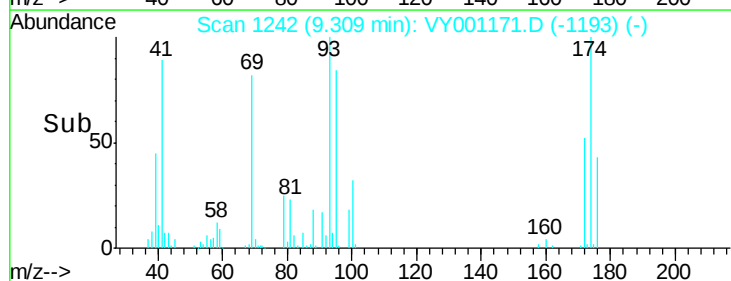
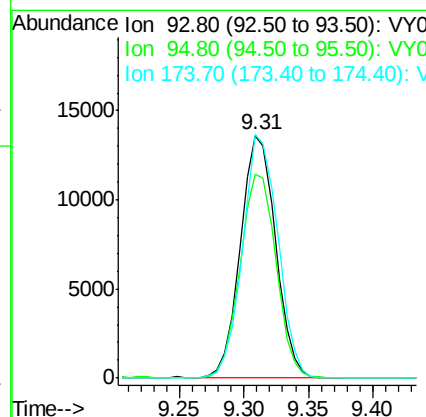
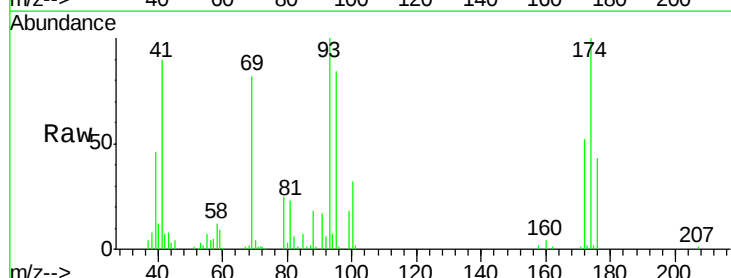
Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 3:52:47 PM



#46
 Dibromomethane
 Concen: 20.406 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Tgt Ion: 93 Resp: 25726
 Ion Ratio Lower Upper
 93 100
 95 86.2 66.8 100.2
 174 100.8 78.4 117.6





#47

Bromodichloromethane

Concen: 20.336 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

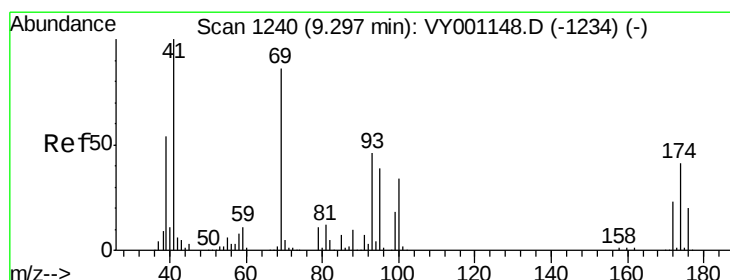
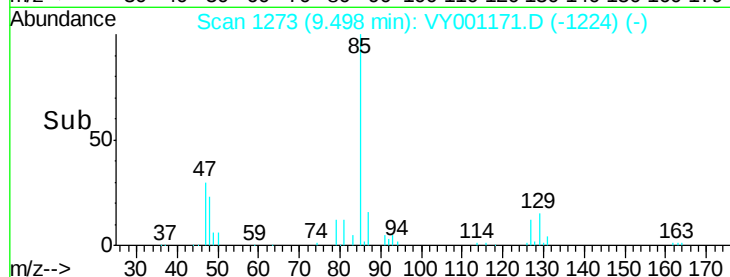
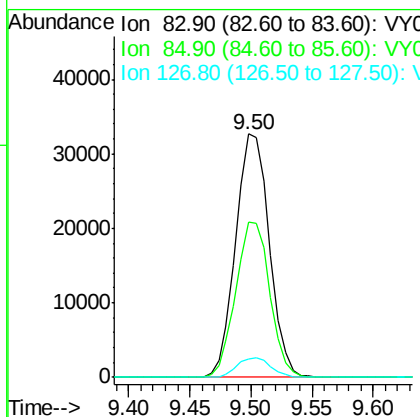
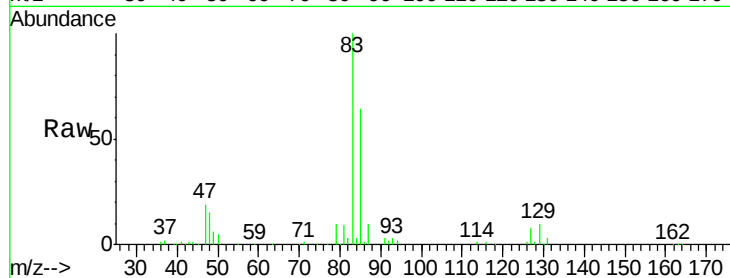
ClientSampleId :

VY0113SBS01

Tot Ion:	83	Resp:	62483
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.5	77.3
127	7.6	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
1/15/2020 3:52:47 PM



#48

Methyl methacrylate

Concen: 20.228 ug/l

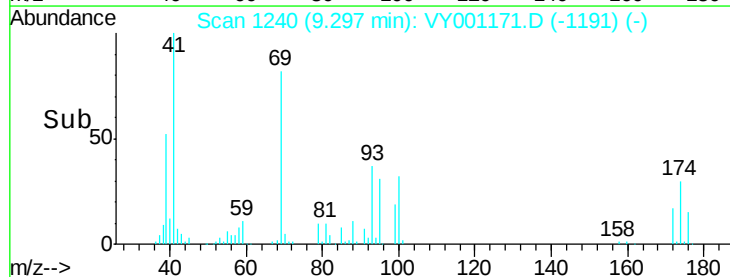
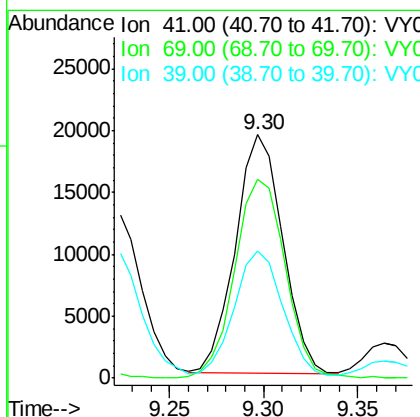
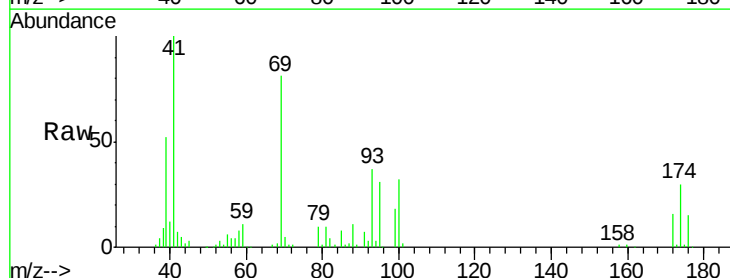
RT: 9.30 min Scan# 1240

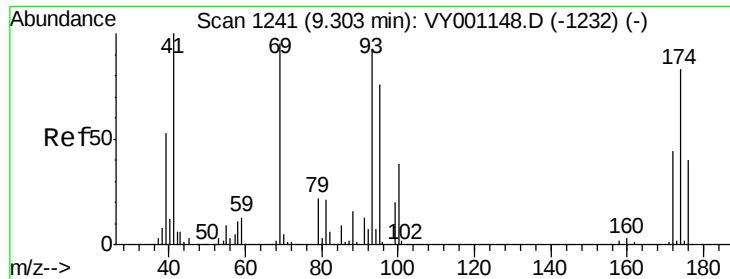
Delta R.T. -0.00 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Tgt Ion:	41	Resp:	33635
Ion Ratio	Lower	Upper	
41	100		
69	88.7	69.8	104.8
39	55.9	45.2	67.8





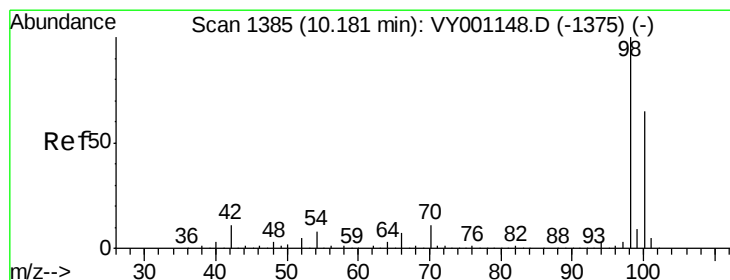
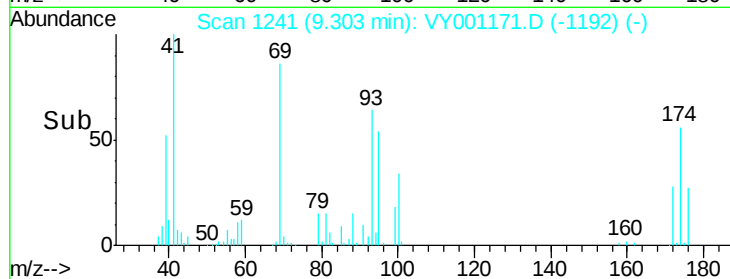
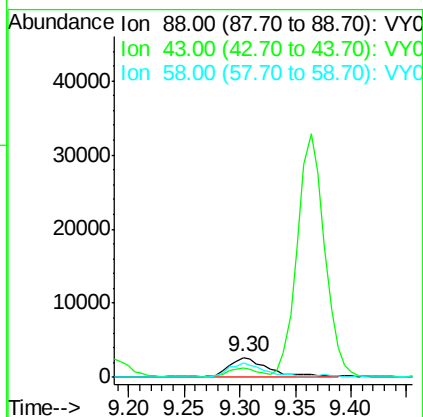
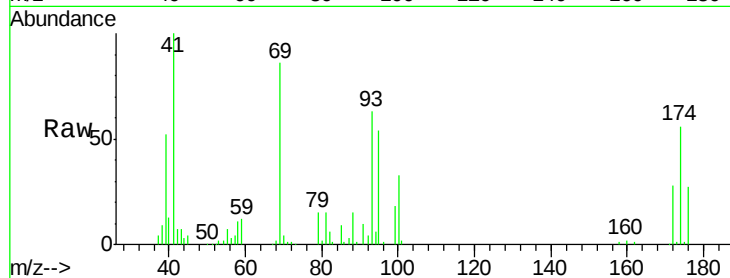
#49
 1,4-Dioxane
 Concen: 440.422 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113BSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	22.4	33.6
58	70.5	58.0	87.0

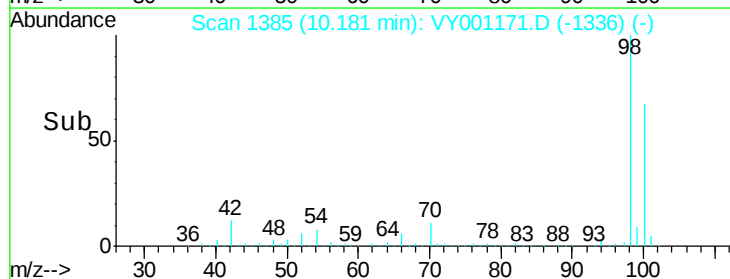
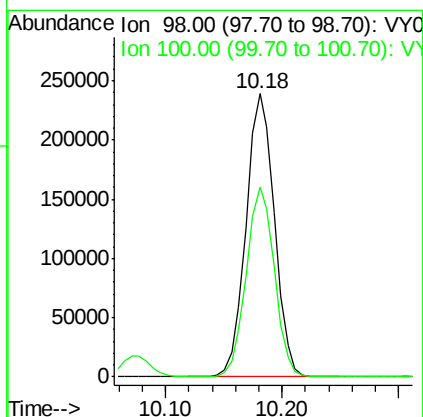
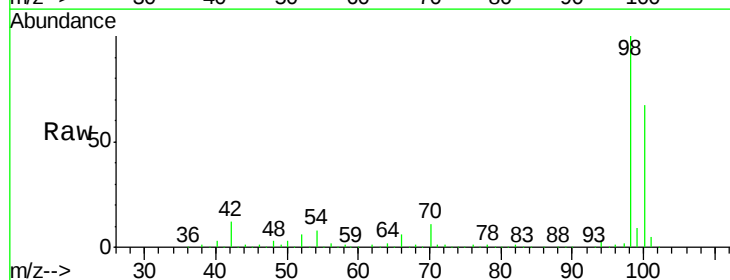
Manual Integrations
 APPROVED

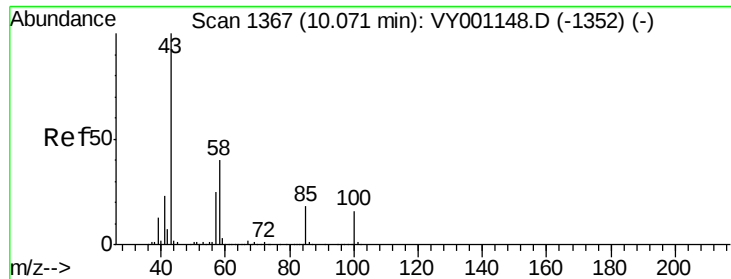
MMDadoda
 1/15/2020 3:52:47 PM



#50
 Toluene-d8
 Concen: 51.273 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 102.695 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0113BSD01

Tot Ion: 43 Resp: 187238

Ion Ratio Lower Upper

43 100

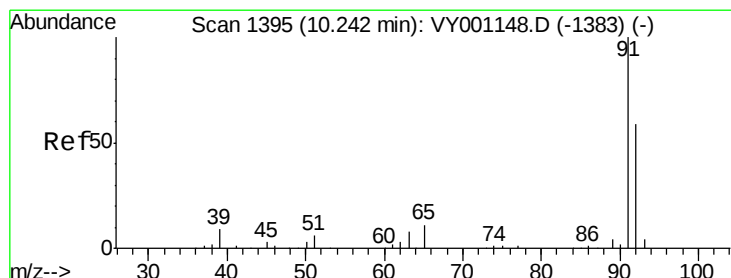
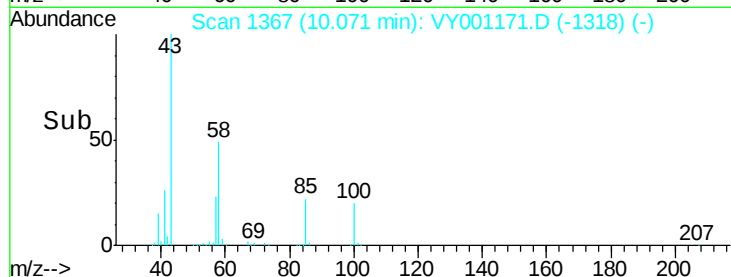
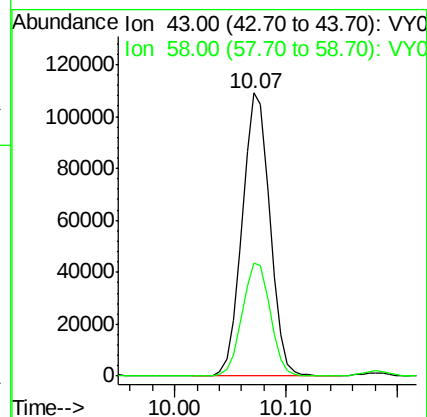
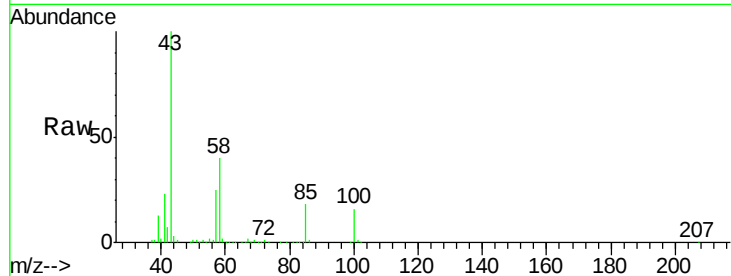
58 40.6 32.3 48.5

Manual Integrations

APPROVED

MMDadoda

1/15/2020 3:52:47 PM



#52

Toluene

Concen: 20.963 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY001171.D

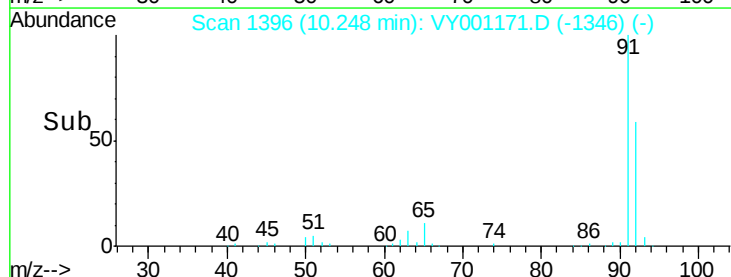
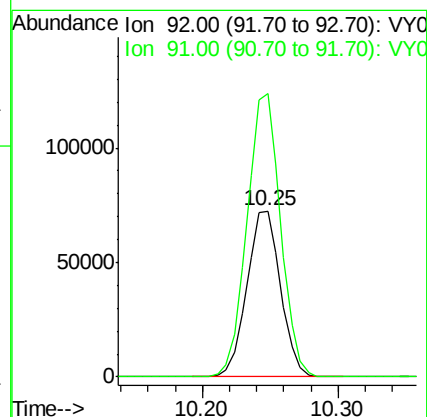
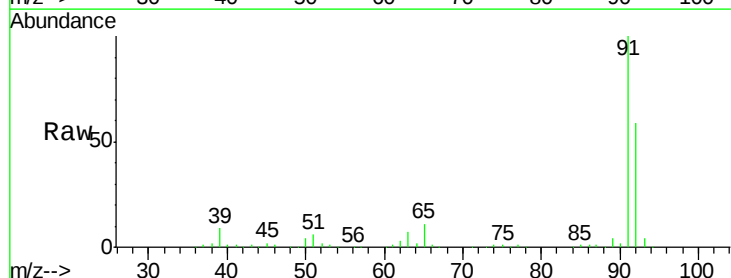
Acq: 13 Jan 2020 11:36

Tgt Ion: 92 Resp: 124965

Ion Ratio Lower Upper

92 100

91 170.7 136.6 204.8





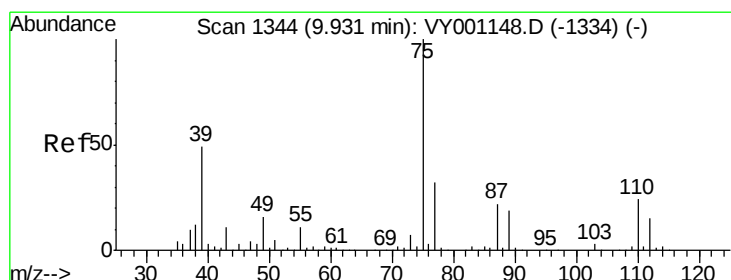
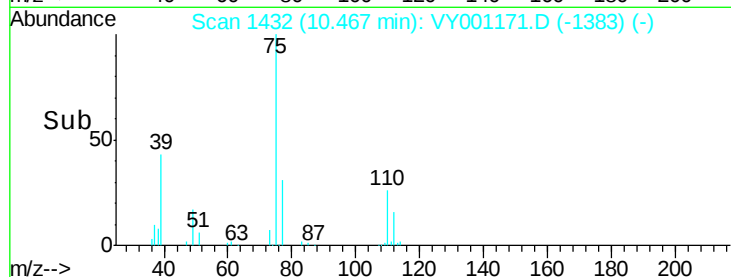
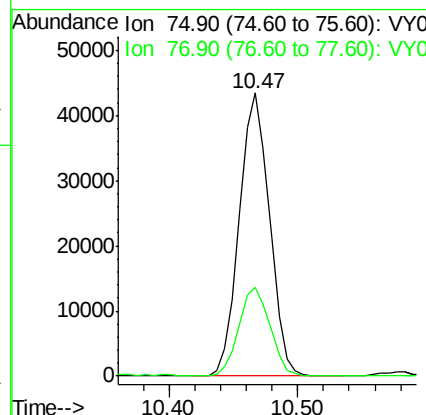
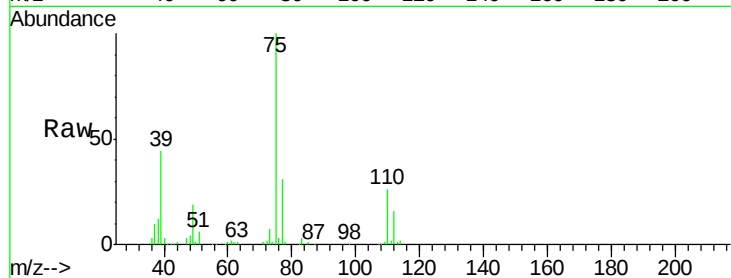
#53
 t-1,3-Dichloropropene
 Concen: 20.639 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113BSD01

Tot Ion: 75 Resp: 70960
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.2 39.2

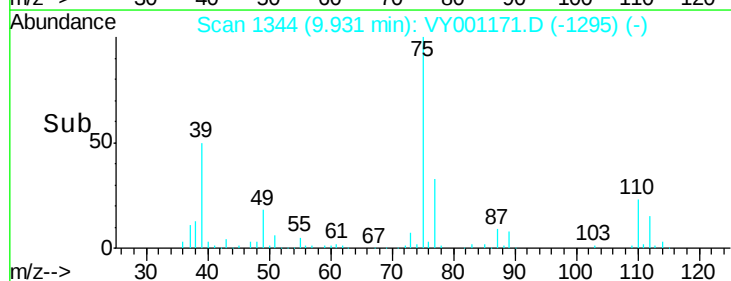
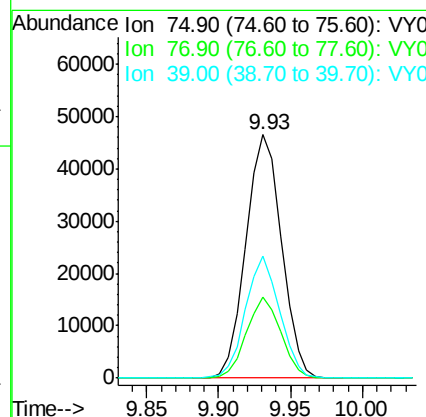
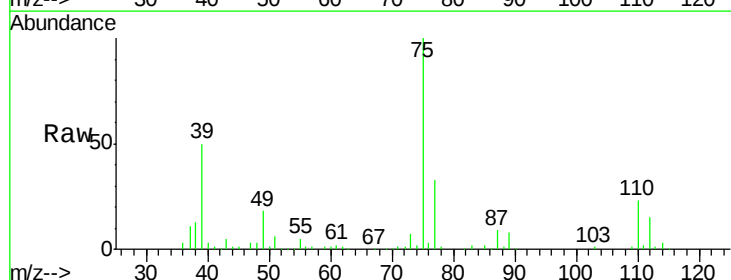
Manual Integrations
 APPROVED

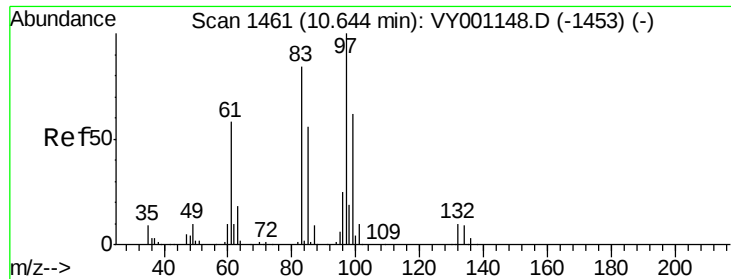
MMDadoda
 1/15/2020 3:52:47 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.556 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Tgt Ion: 75 Resp: 79682
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.3 37.9
 39 50.0 39.1 58.7





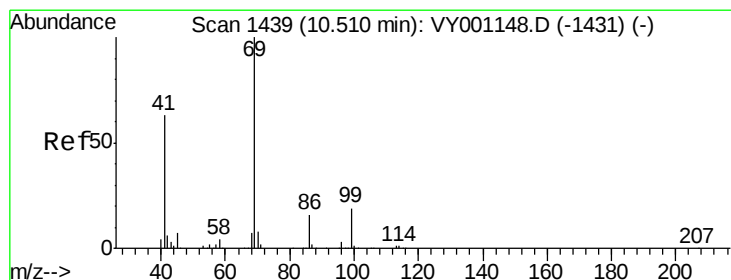
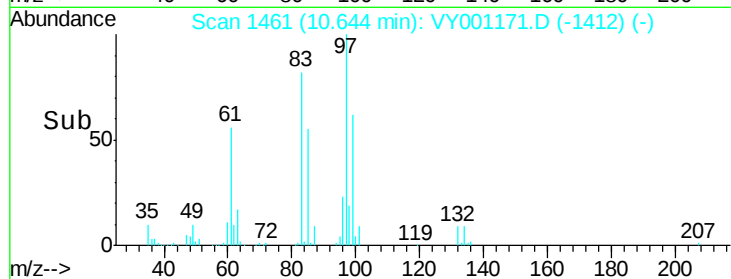
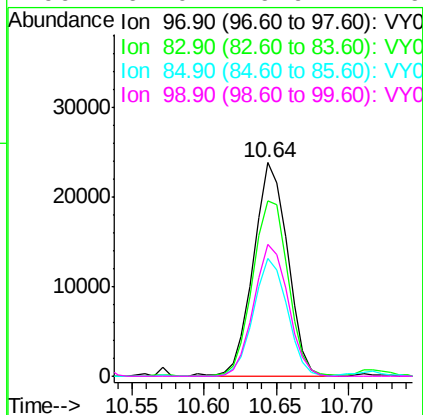
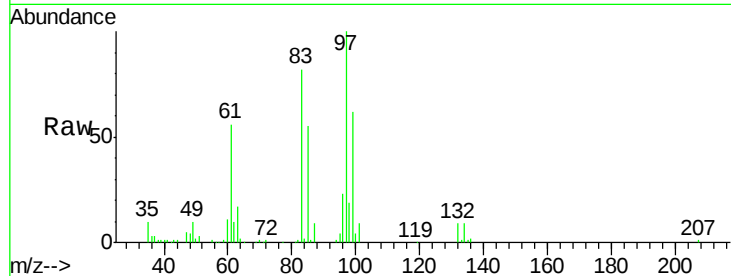
#55
 1,1,2-Trichloroethane
 Concen: 20.974 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113BSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.2	100.8
85	55.0	44.9	67.3
99	62.0	49.9	74.9

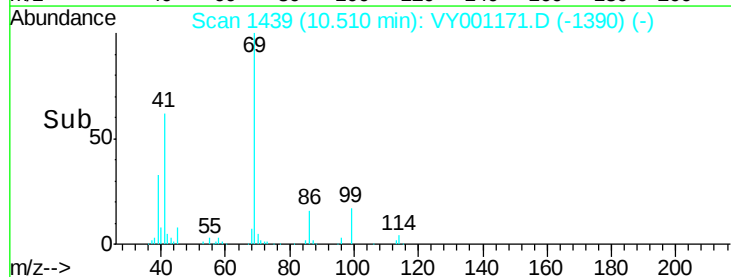
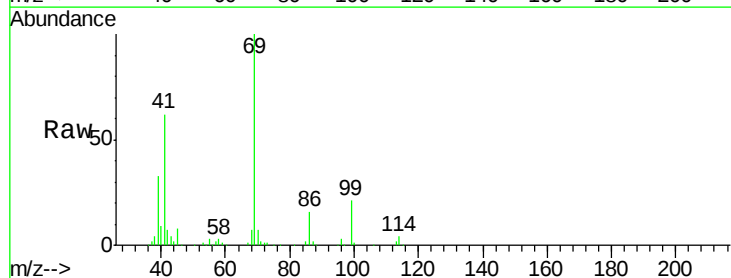
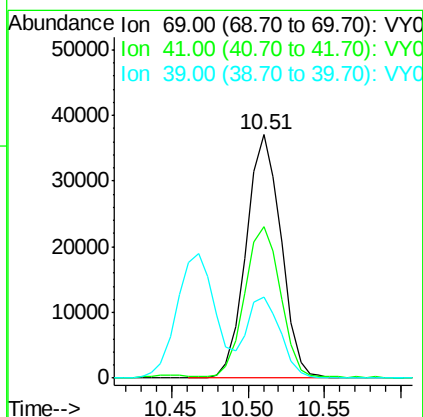
Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 3:52:47 PM



#56
 Ethyl methacrylate
 Concen: 20.551 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.0	51.4	77.2
39	31.5	26.3	39.5





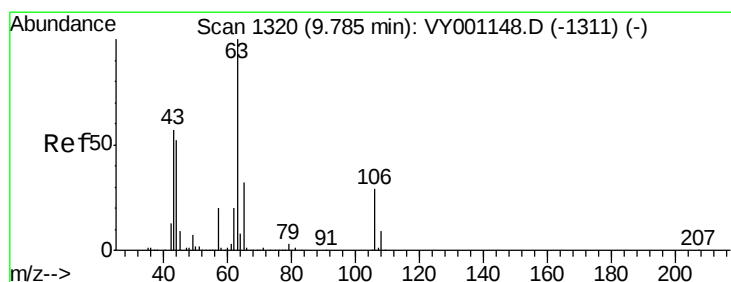
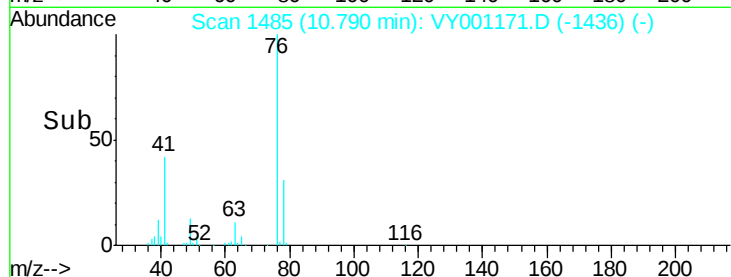
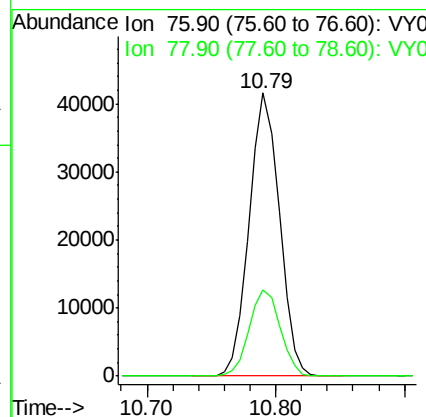
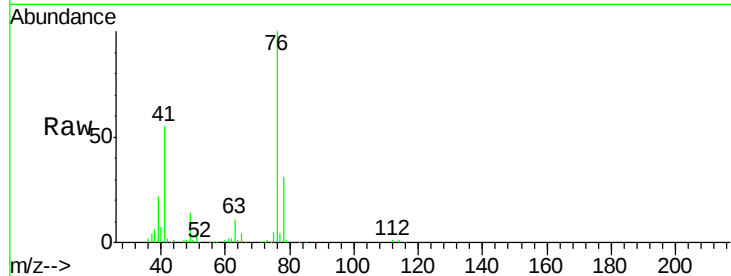
#57
 1,3-Dichloropropane
 Concen: 20.998 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.2	26.1	39.1

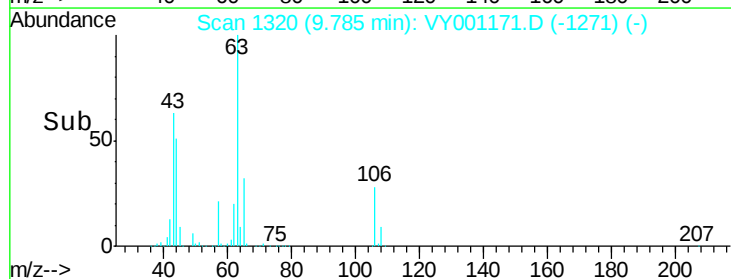
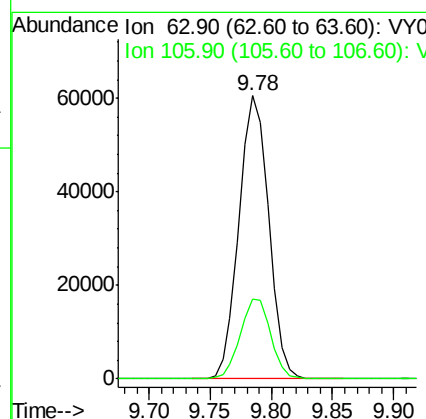
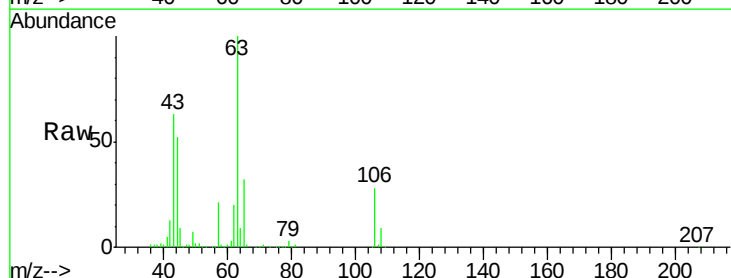
Manual Integrations
 APPROVED

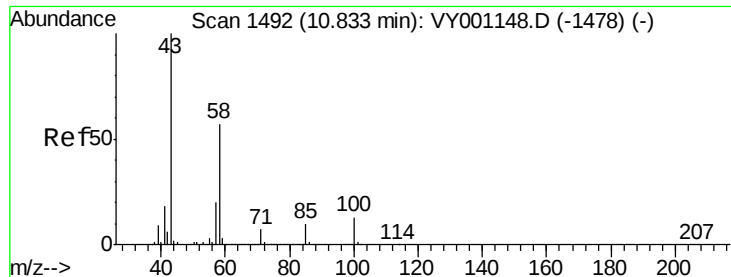
MMDadoda
 1/15/2020 3:52:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.466 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6





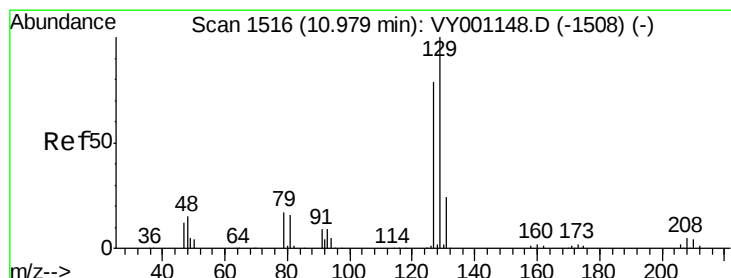
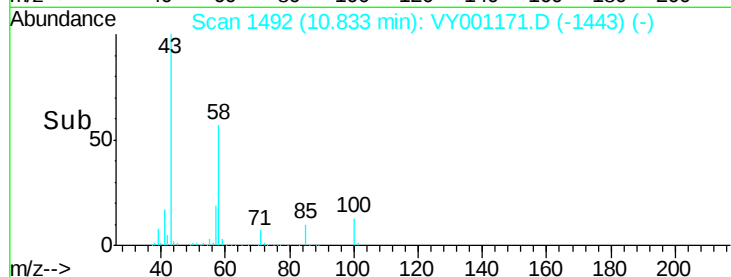
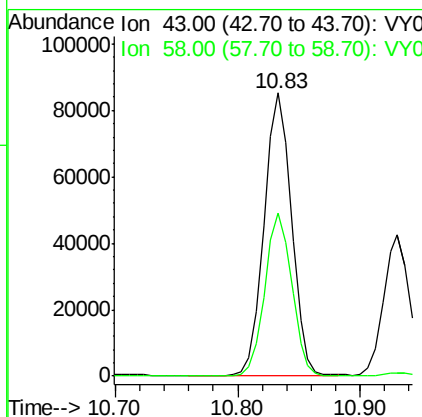
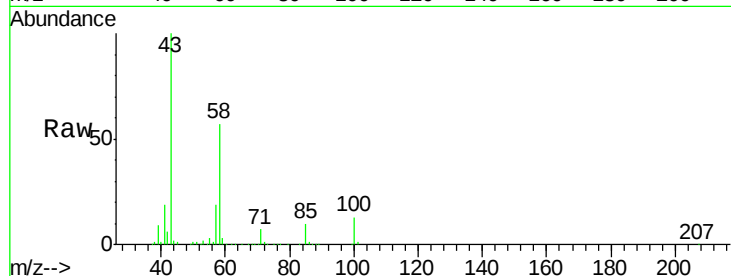
#59
2-Hexanone
Concen: 104.380 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0113BSD01

Tot Ion	43	Resp	133376
Ion Ratio	43	100	
Lower	58	56.6	28.4
Upper			85.2

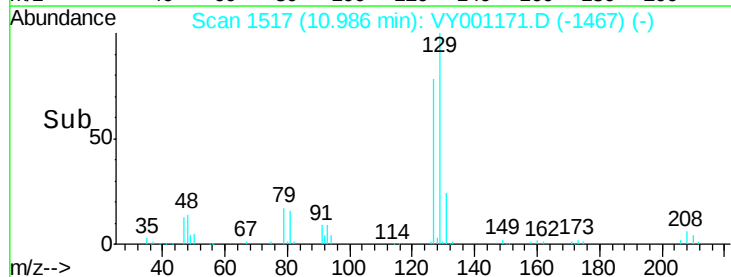
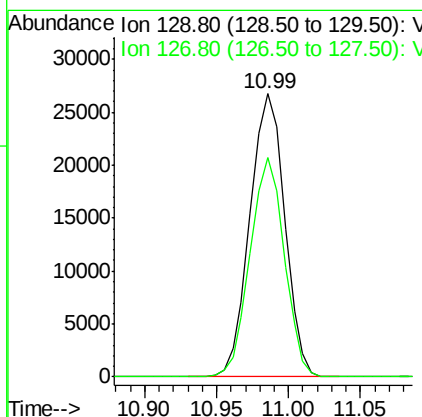
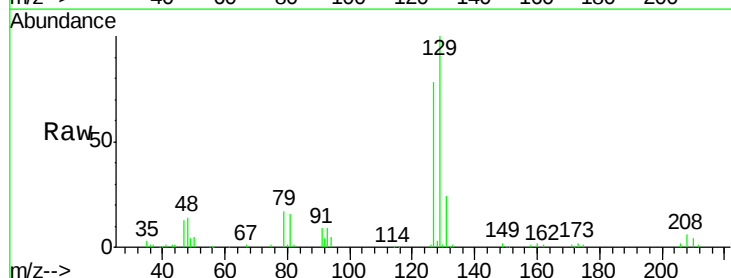
Manual Integrations
APPROVED

MMDadoda
1/15/2020 3:52:47 PM



#60
Dibromochloromethane
Concen: 20.793 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Tgt Ion	129	Resp	44745
Ion Ratio	129	100	
Lower	127	76.1	38.9
Upper			116.7





#61

1,2-Dibromoethane

Concen: 20.614 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0113SBS01

Tot Ion: 107 Resp: 37621

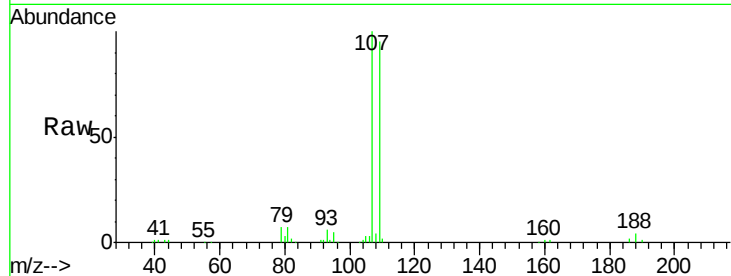
Ion Ratio Lower Upper

107 100

109 94.8 75.4 113.0

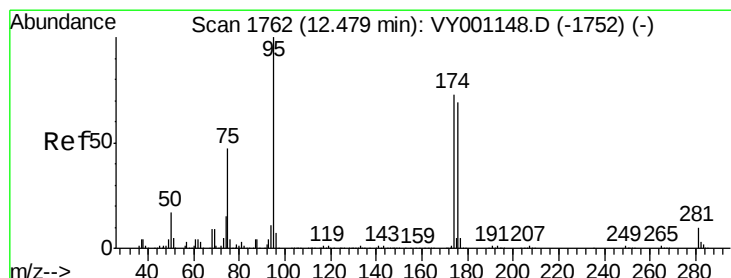
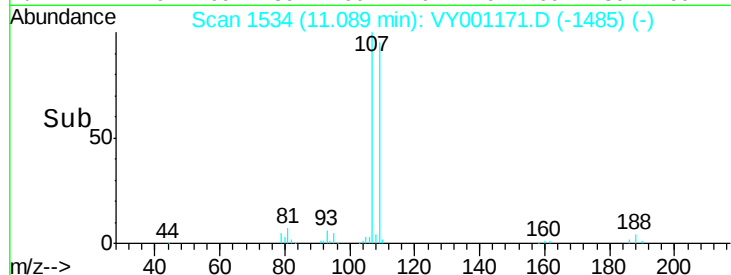
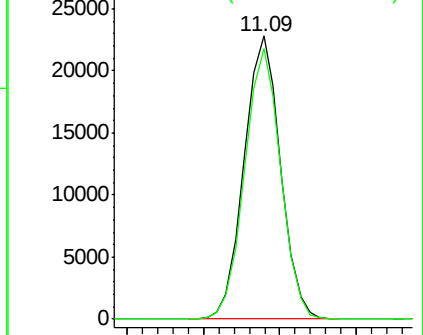
Manual Integrations
APPROVED

MMDadoda
1/15/2020 3:52:47 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.522 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

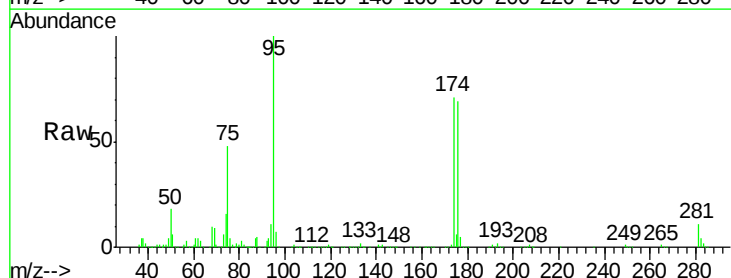
Tgt Ion: 95 Resp: 153977

Ion Ratio Lower Upper

95 100

174 72.6 0.0 143.2

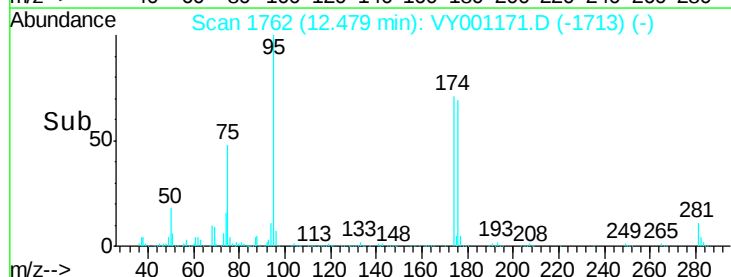
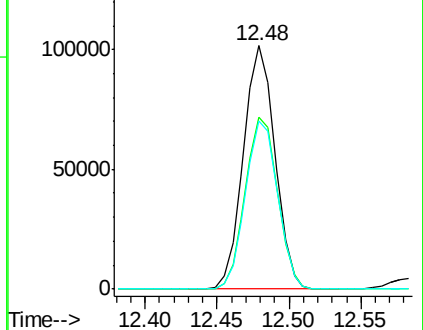
176 70.7 0.0 136.0

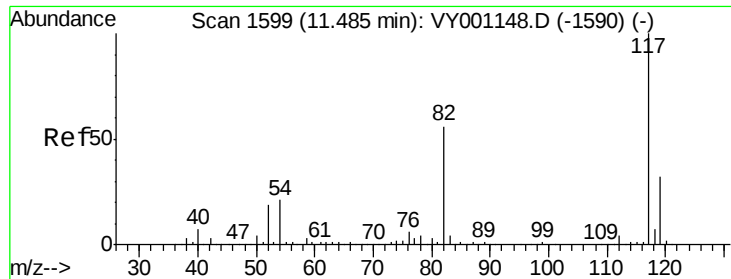


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





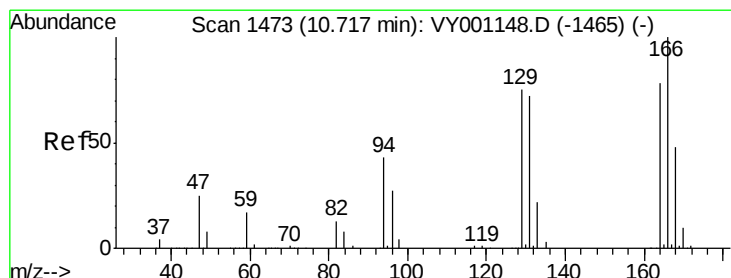
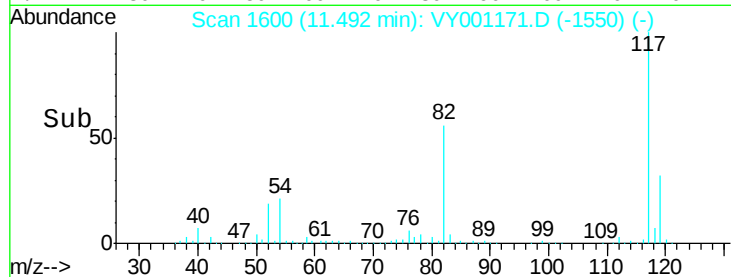
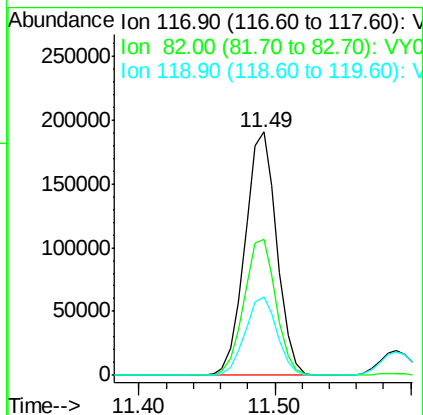
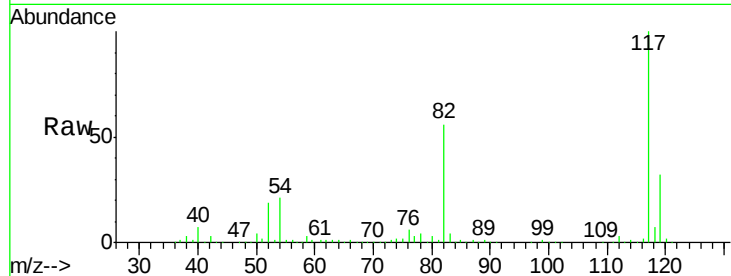
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0113SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.9	67.3
119	32.1	25.7	38.5

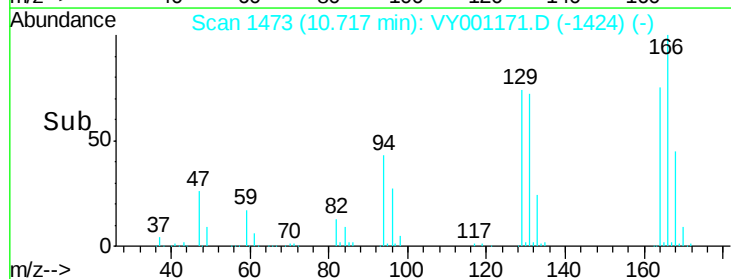
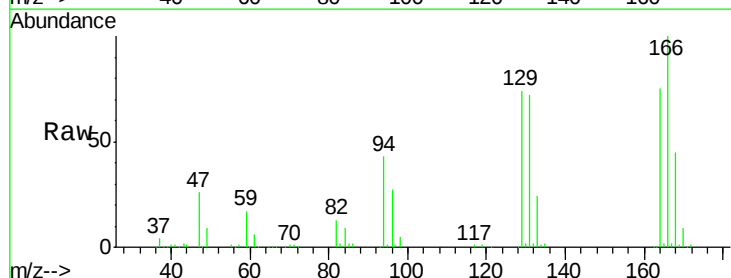
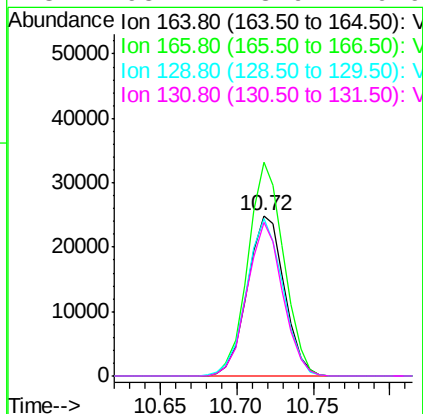
Manual Integrations
APPROVED

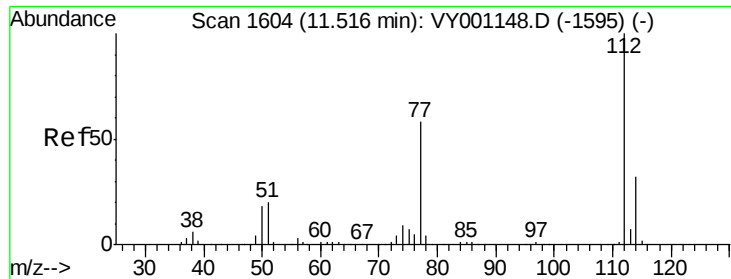
MMDadoda
1/15/2020 3:52:47 PM



#64
Tetrachloroethene
Concen: 20.865 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.4	102.3	153.5
129	98.7	76.2	114.4
131	95.7	73.9	110.9





#65

Chlorobenzene

Concen: 20.975 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0113BSD01

Tot Ion:112 Resp: 129980

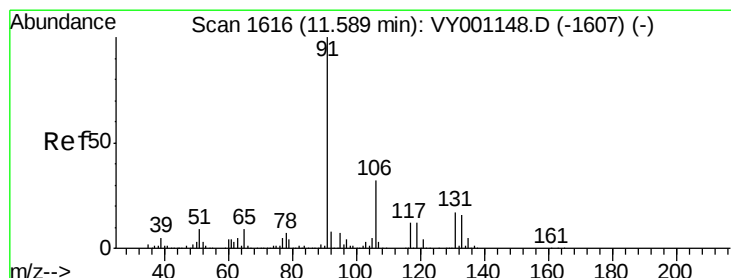
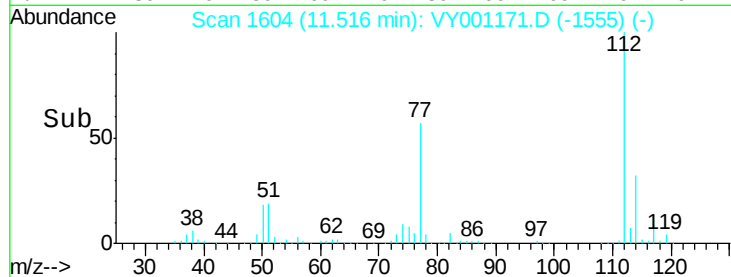
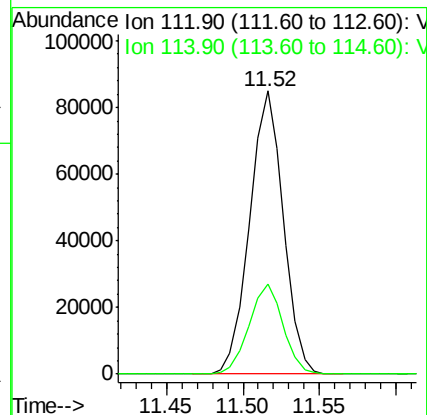
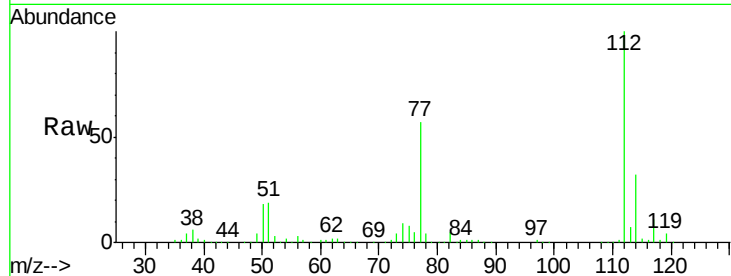
Ion Ratio Lower Upper

112 100

114 31.6 25.9 38.9

Manual Integrations
APPROVED

MMDadoda
1/15/2020 3:52:47 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.850 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

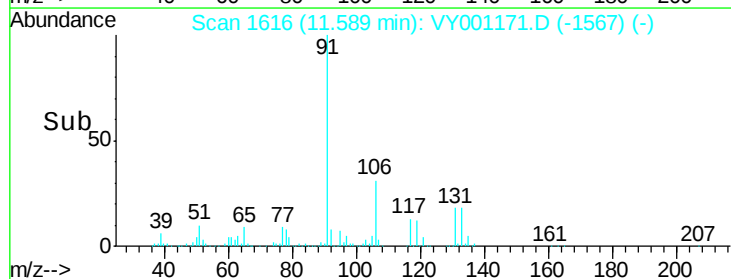
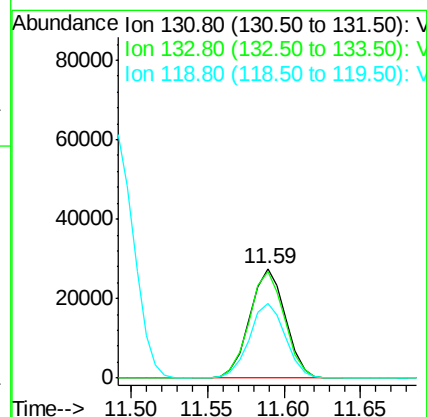
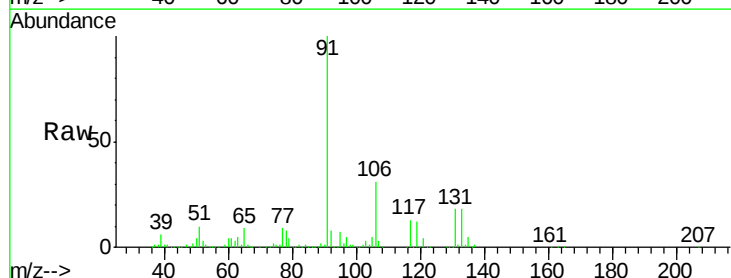
Tgt Ion:131 Resp: 44531

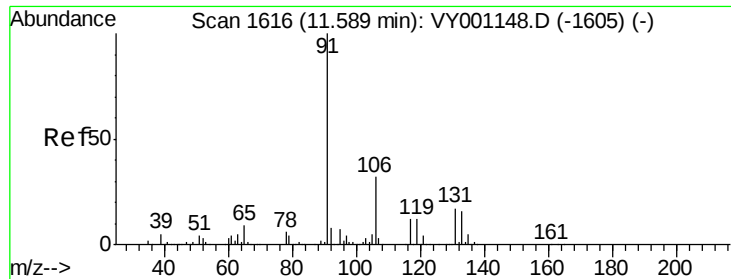
Ion Ratio Lower Upper

131 100

133 96.8 47.3 142.0

119 68.9 33.6 100.8





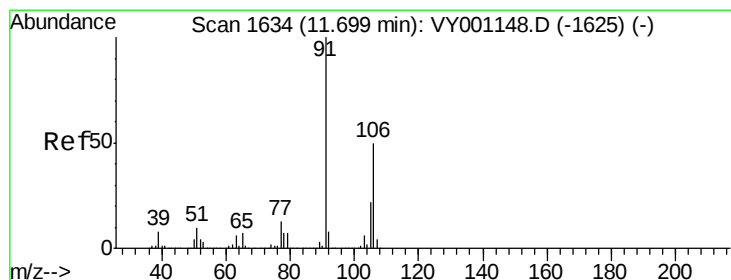
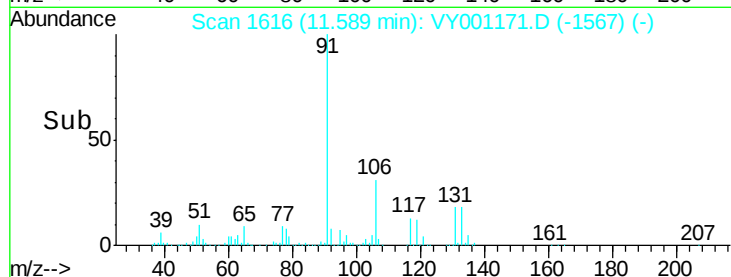
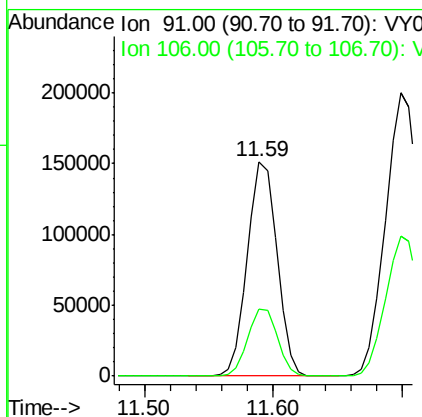
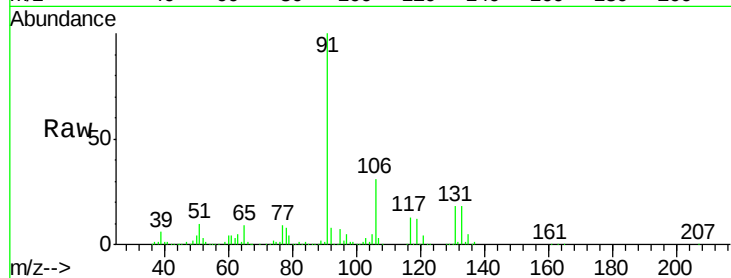
#67
Ethyl Benzene
Concen: 21.201 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0113SBS01

Tot Ion: 91 Resp: 240332
Ion Ratio Lower Upper
91 100
106 31.3 25.3 37.9

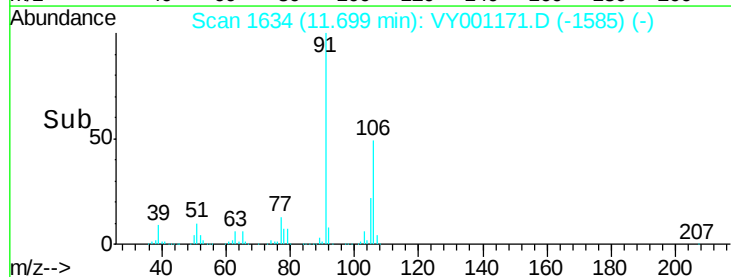
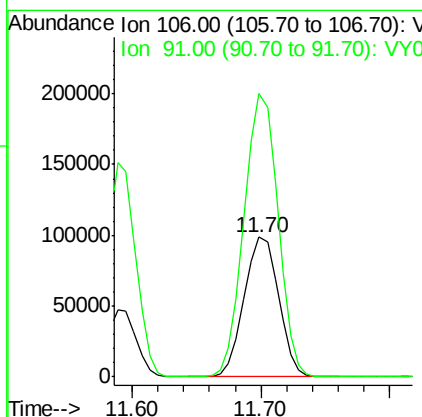
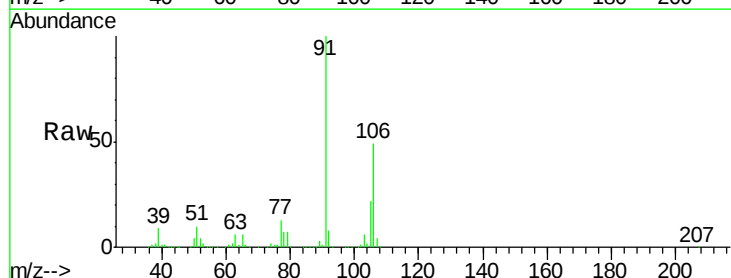
Manual Integrations
APPROVED

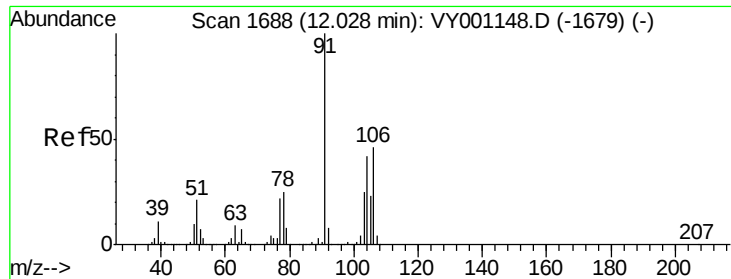
MMDadoda
1/15/2020 3:52:47 PM



#68
m/p-Xylenes
Concen: 42.678 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Tgt Ion: 106 Resp: 182502
Ion Ratio Lower Upper
106 100
91 200.4 161.4 242.2





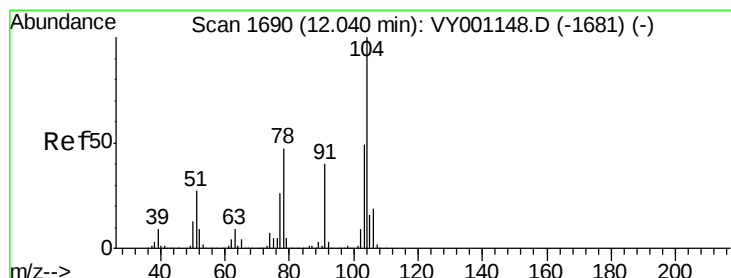
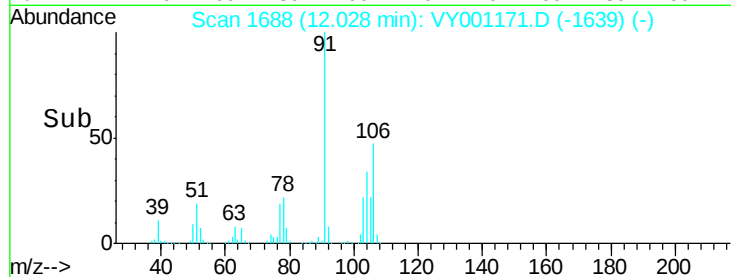
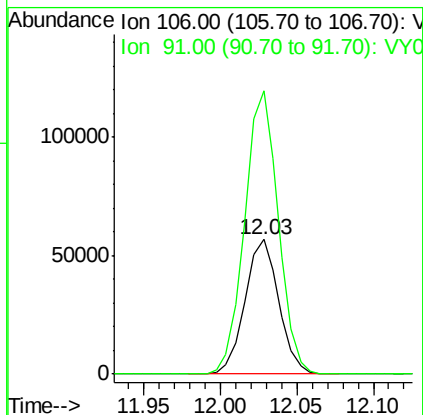
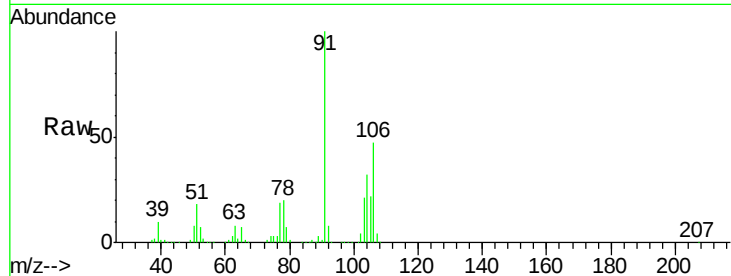
#69
o-Xylene
Concen: 21.194 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0113BSD01

Tot Ion:106 Resp: 86897
Ion Ratio Lower Upper
106 100
91 209.9 106.3 318.8

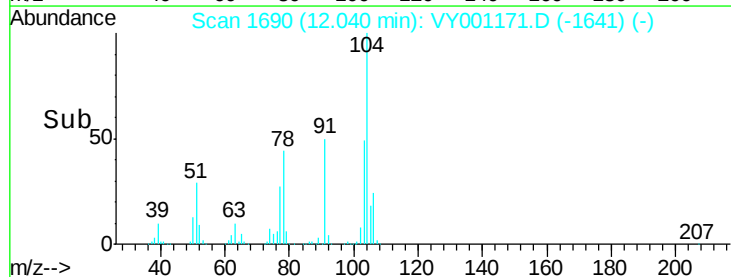
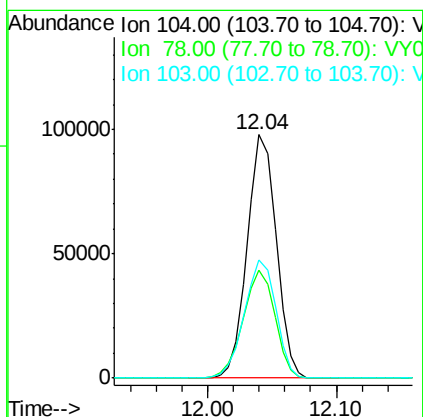
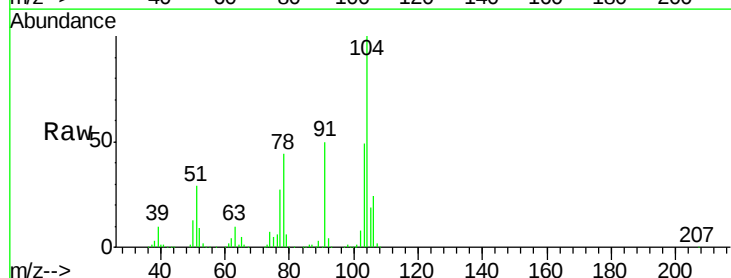
Manual Integrations
APPROVED

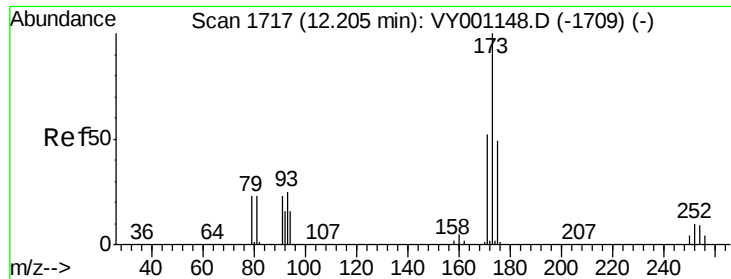
MMDadoda
1/15/2020 3:52:47 PM



#70
Styrene
Concen: 21.219 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Tgt Ion:104 Resp: 152648
Ion Ratio Lower Upper
104 100
78 48.5 40.5 60.7
103 52.8 42.4 63.6





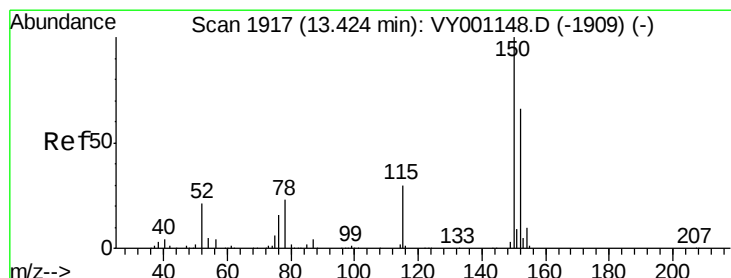
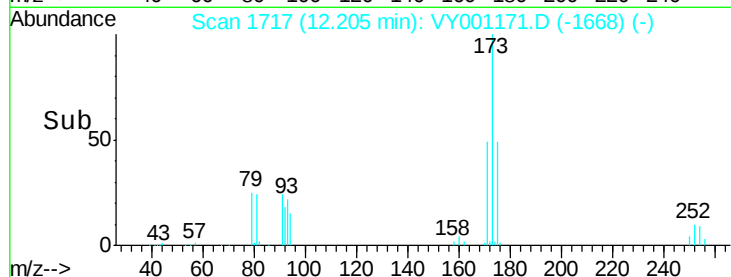
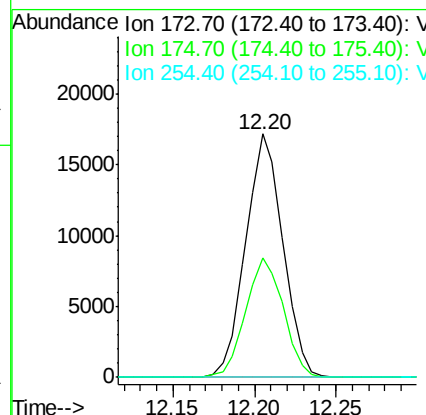
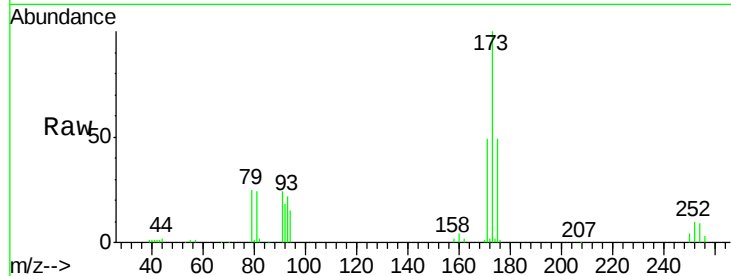
#71
Bromoform
Concen: 20.756 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0113SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.2
254	0.0	0.1	0.1#

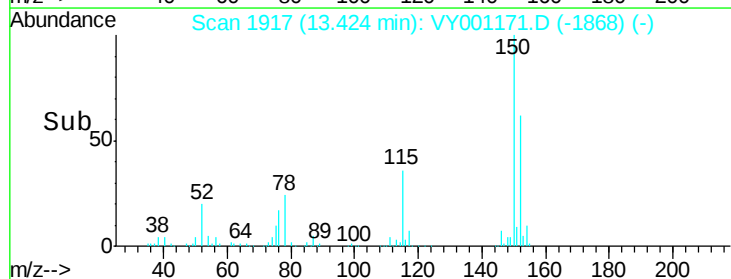
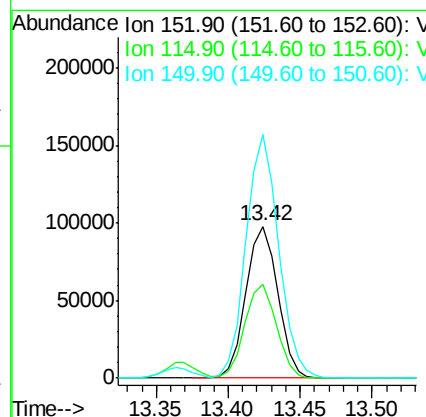
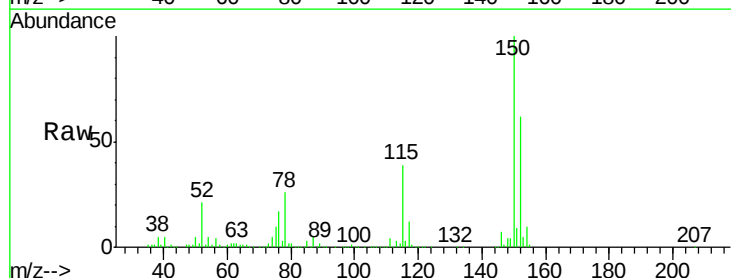
Manual Integrations
APPROVED

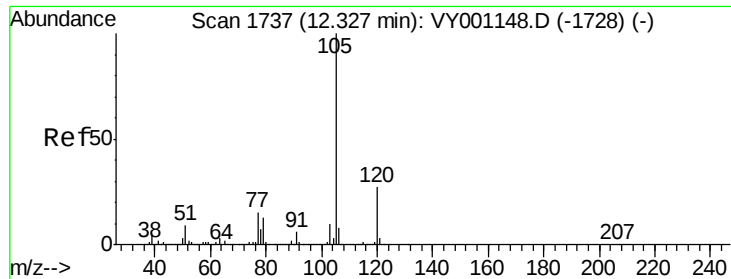
MMDadoda
1/15/2020 3:52:47 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	30.9	92.5
150	164.3	0.0	346.8





#73

Isopropylbenzene

Concen: 20.603 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0113BSD01

Tot Ion: 105 Resp: 232177

Ion Ratio Lower Upper

105 100

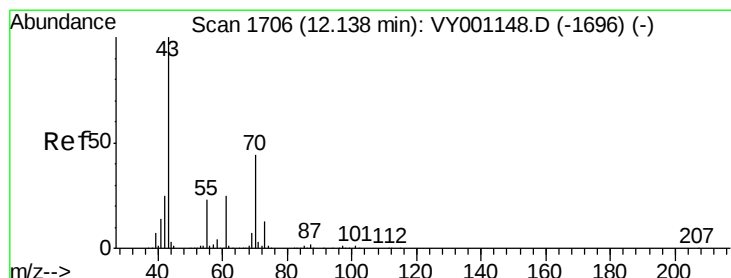
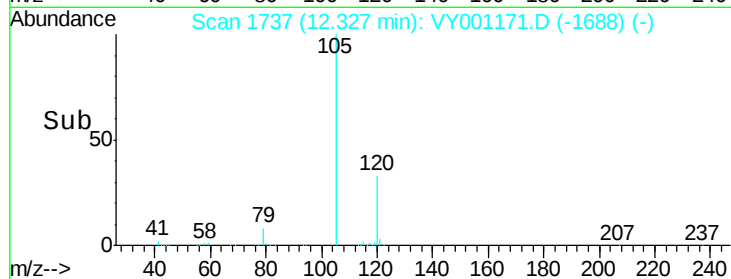
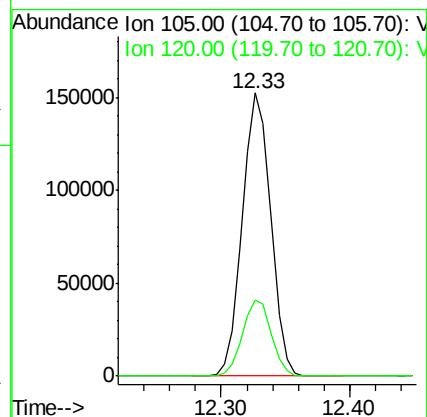
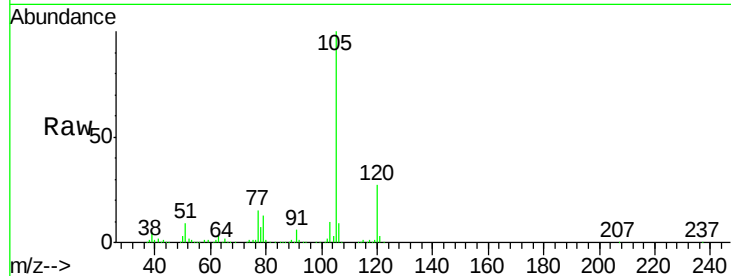
120 27.2 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

1/15/2020 3:52:47 PM



#74

N-ethyl acetate

Concen: 20.190 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Tgt Ion: 43 Resp: 71008

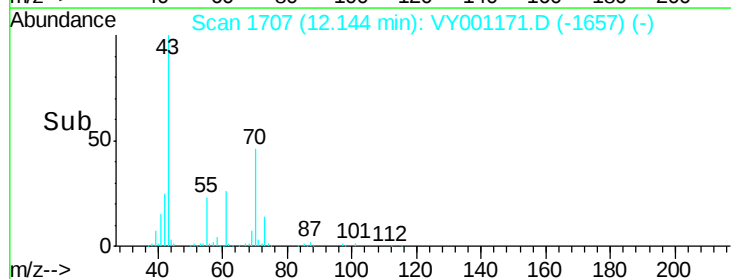
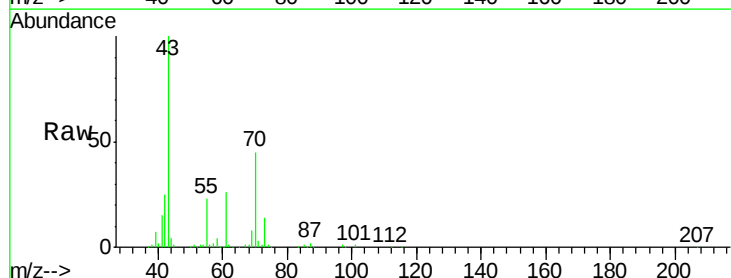
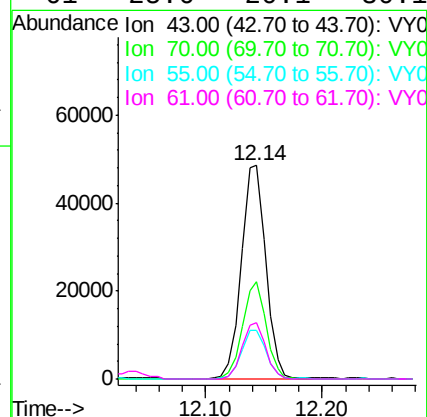
Ion Ratio Lower Upper

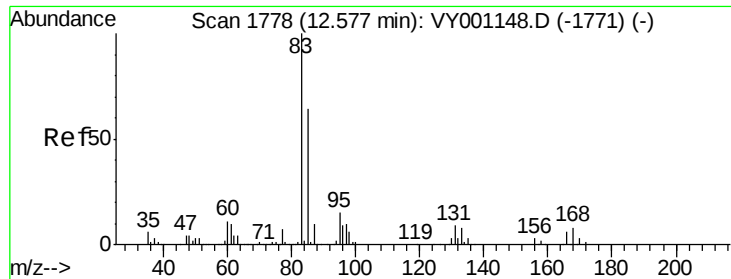
43 100

70 44.1 35.0 52.6

55 23.4 18.4 27.6

61 25.6 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.401 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

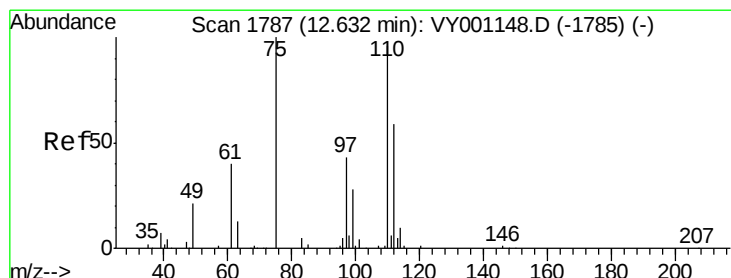
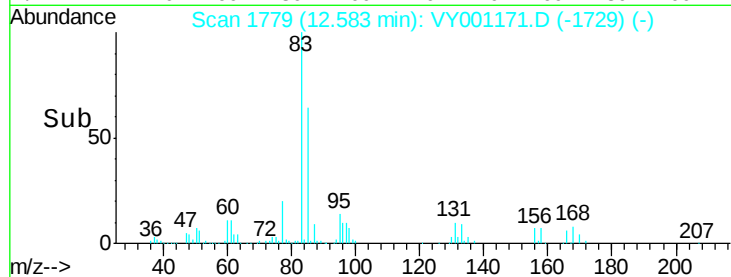
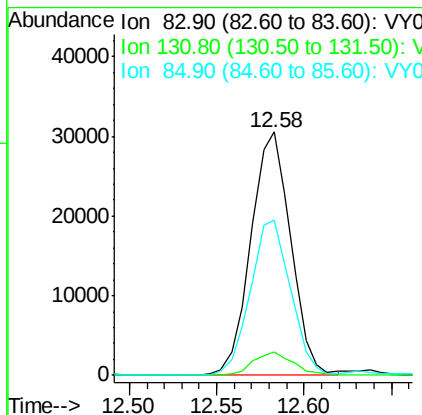
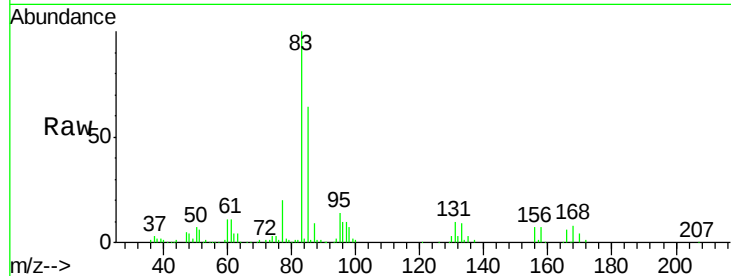
ClientSampleId :

VY0113SBS01

Tot Ion	83	Resp	48370
Ion Ratio	100	Lower	Upper
83	100		
131	10.0	5.1	15.3
85	64.7	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
1/15/2020 3:52:47 PM



#76

1,2,3-Trichloropropane

Concen: 20.524 ug/l m

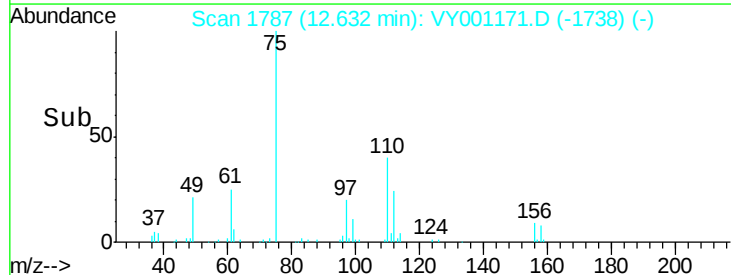
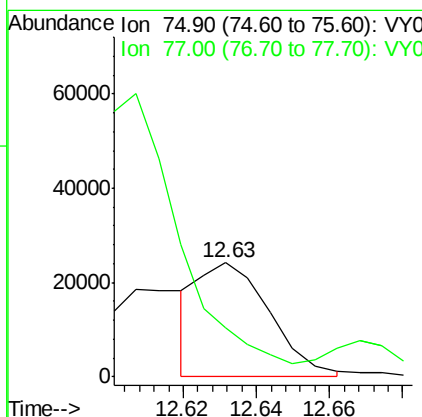
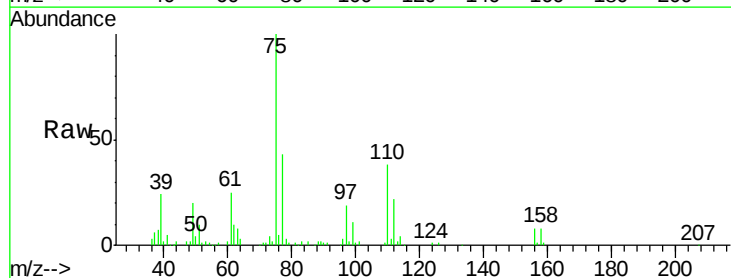
RT: 12.63 min Scan# 1787

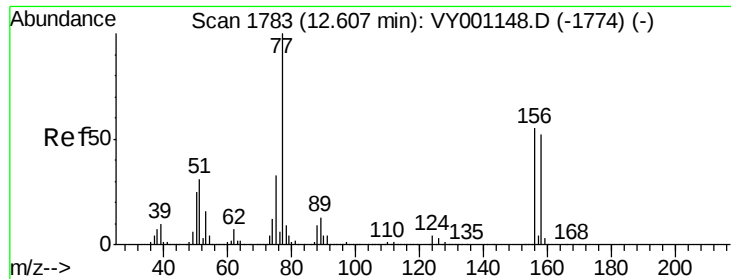
Delta R.T. -0.00 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Tgt Ion	75	Resp	32935
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.085 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

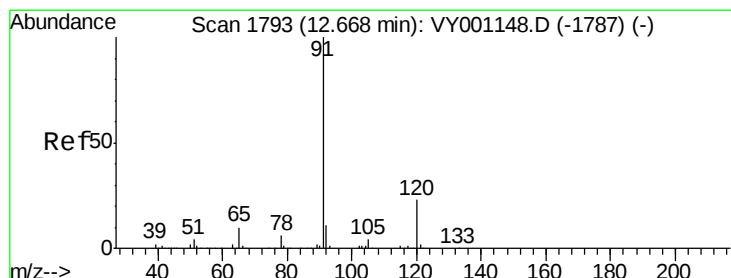
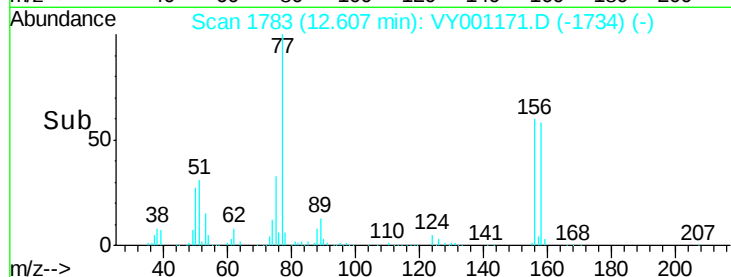
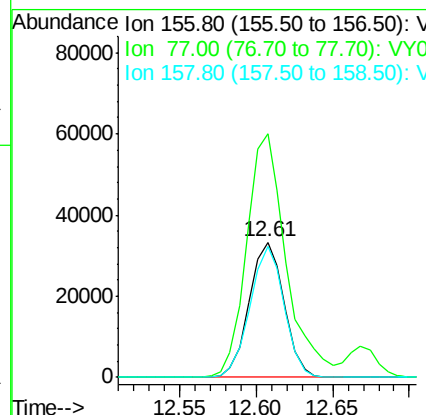
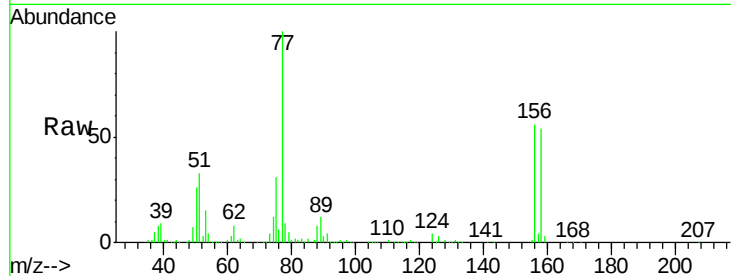
ClientSampleId :

VY0113SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	204.4	106.7	320.1
158	95.4	48.3	144.8

Manual Integrations
APPROVED

MMDadoda
1/15/2020 3:52:47 PM



#78

n-propylbenzene

Concen: 20.558 ug/l

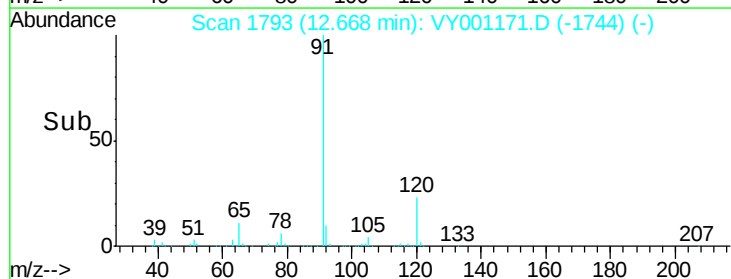
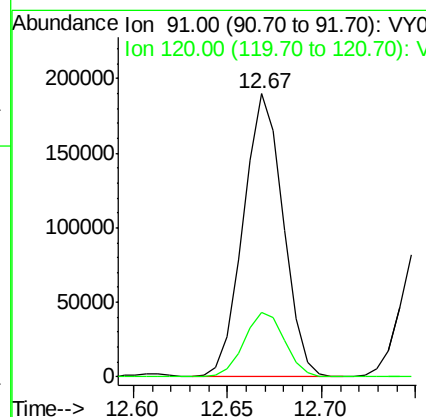
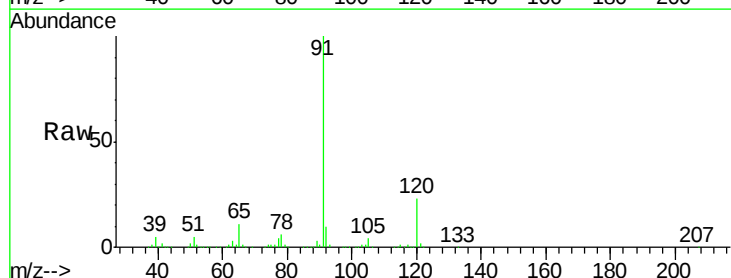
RT: 12.67 min Scan# 1793

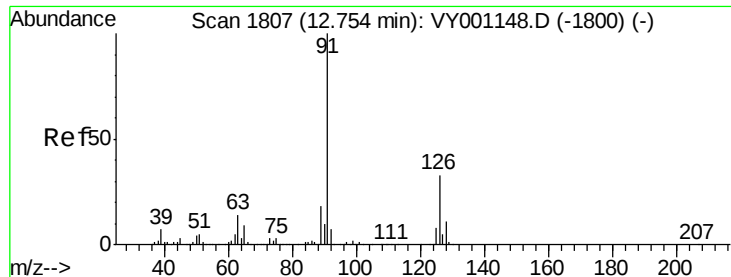
Delta R.T. -0.00 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.5	34.4





#79

2-Chlorotoluene

Concen: 20.521 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0113SBS01

Tot Ion: 91 Resp: 159748

Ion Ratio Lower Upper

91 100

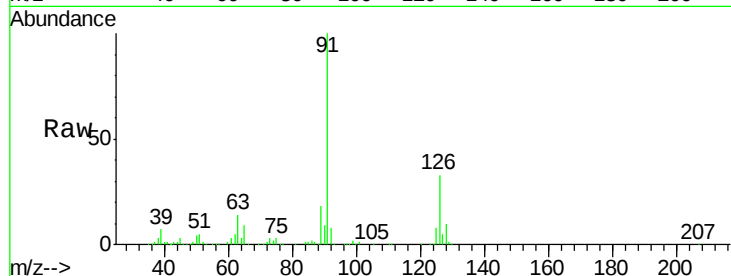
126 33.1 16.4 49.4

Manual Integrations

APPROVED

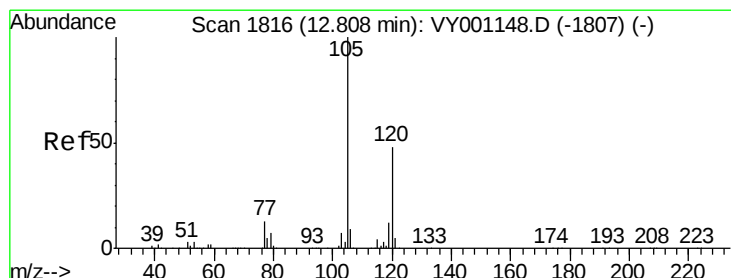
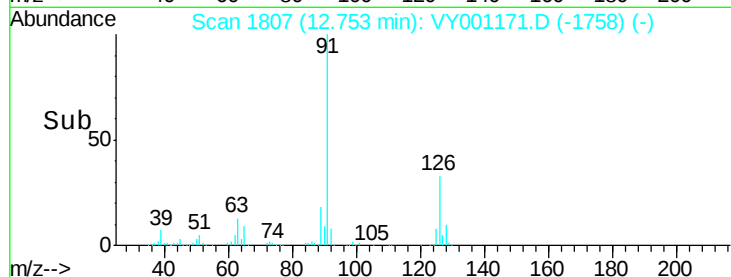
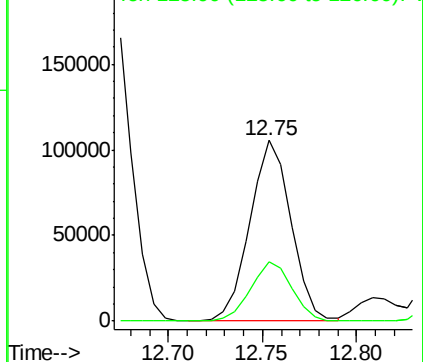
MMDadoda

1/15/2020 3:52:47 PM



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.047 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY001171.D

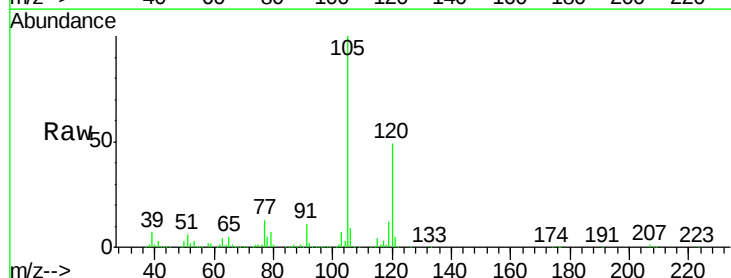
Acq: 13 Jan 2020 11:36

Tgt Ion:105 Resp: 197901

Ion Ratio Lower Upper

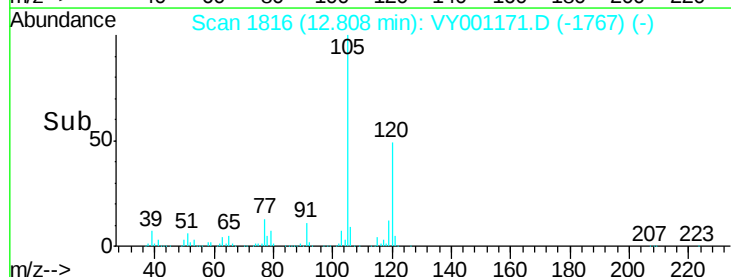
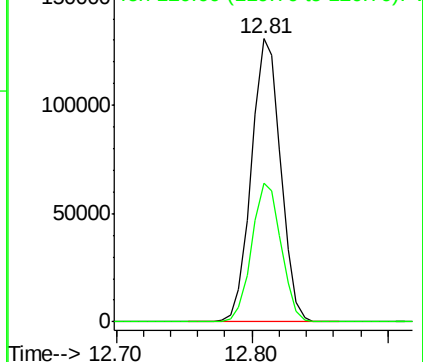
105 100

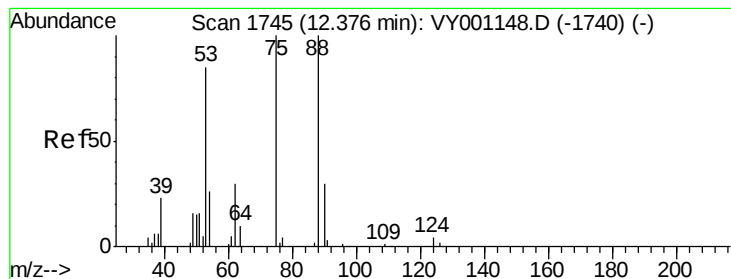
120 49.1 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.865 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY001171.D

Acq: 13 Jan 2020 11:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0113SBS01

Tot Ion: 75 Resp: 18798

Ion Ratio Lower Upper

75 100

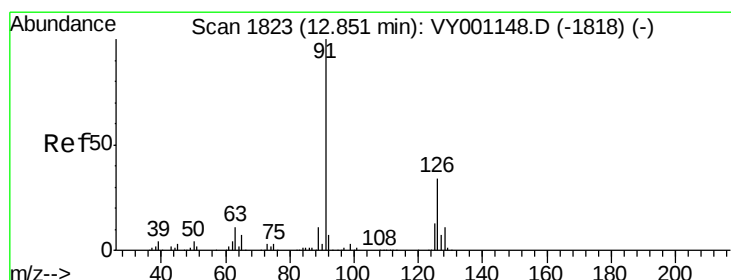
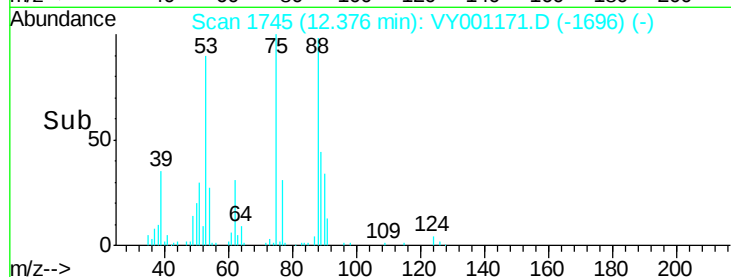
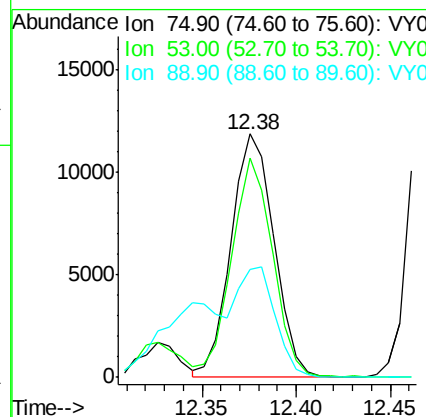
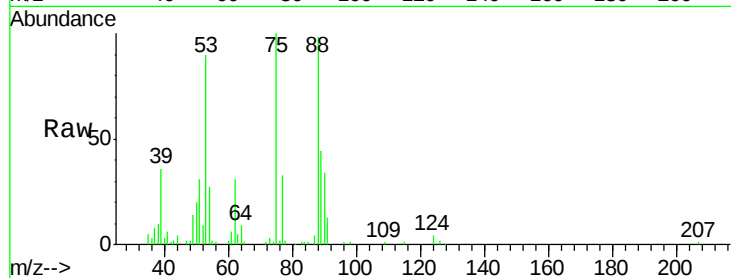
53 86.3 69.4 104.2

89 39.6 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

1/15/2020 3:52:47 PM



#82

4-Chlorotoluene

Concen: 20.039 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY001171.D

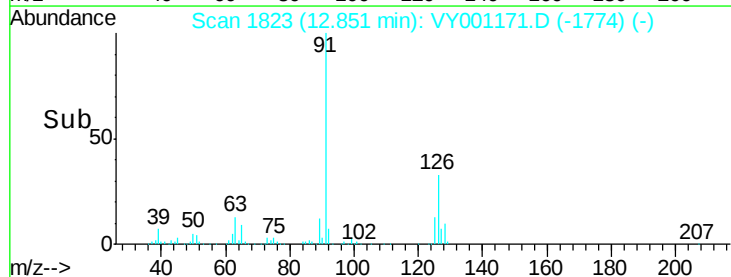
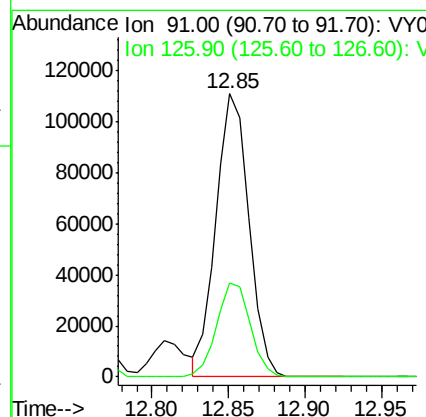
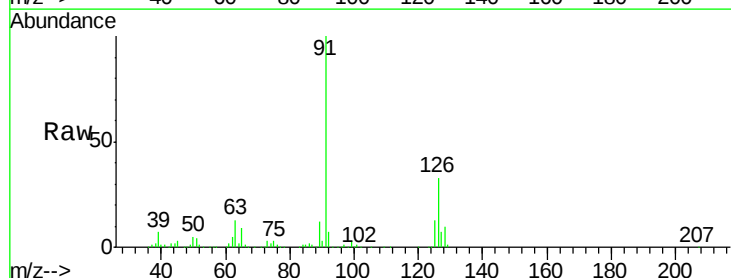
Acq: 13 Jan 2020 11:36

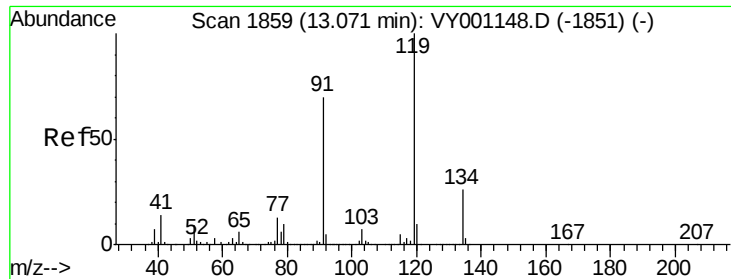
Tgt Ion: 91 Resp: 166544

Ion Ratio Lower Upper

91 100

126 33.8 16.3 48.8





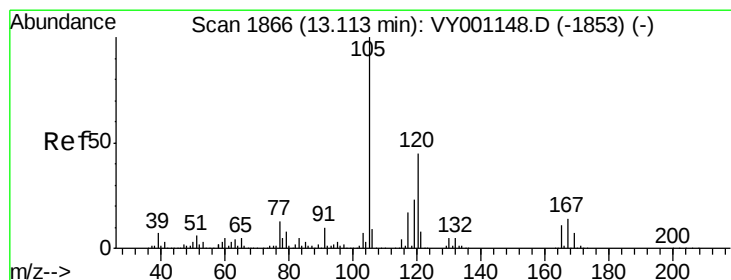
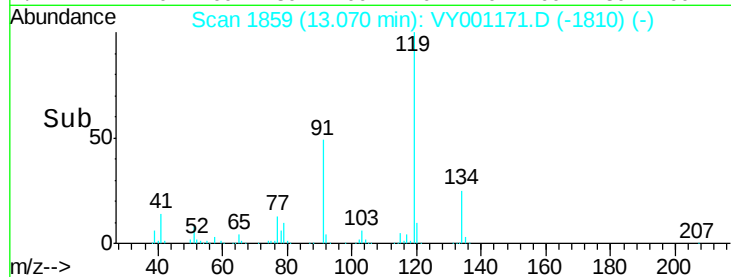
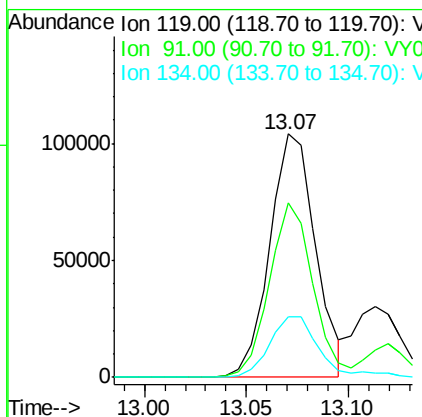
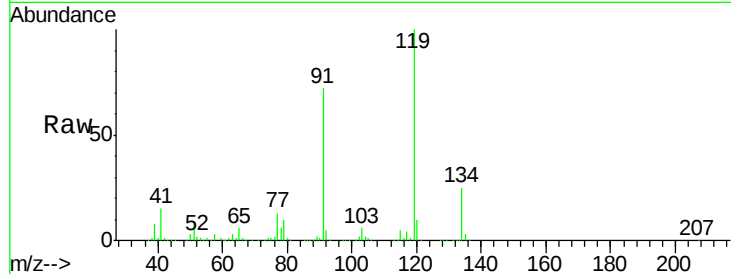
#83
 tert-Butylbenzene
 Concen: 20.606 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113BSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	162805		
91	68.4	33.9	101.7	
134	27.5	13.5	40.4	

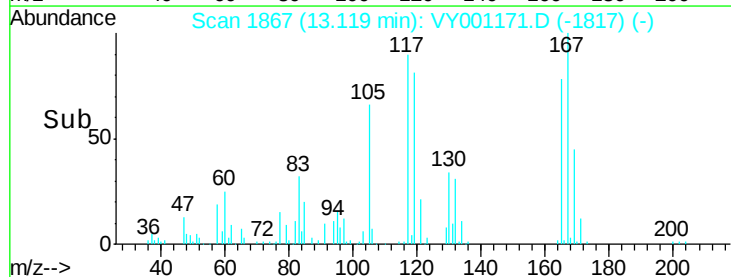
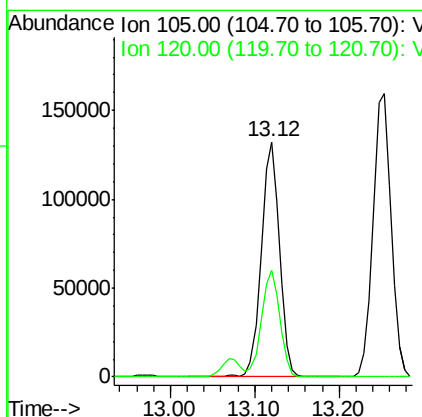
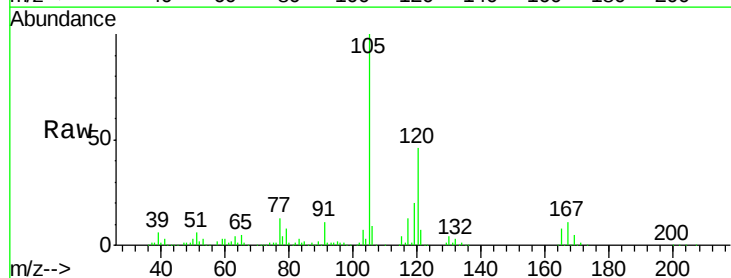
Manual Integrations
 APPROVED

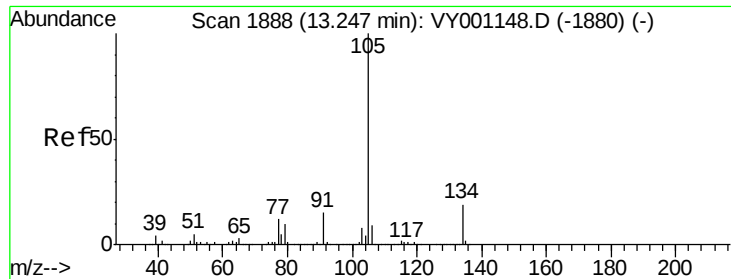
MMDadoda
 1/15/2020 3:52:47 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.051 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	196561		
120	45.7	22.8	68.3	





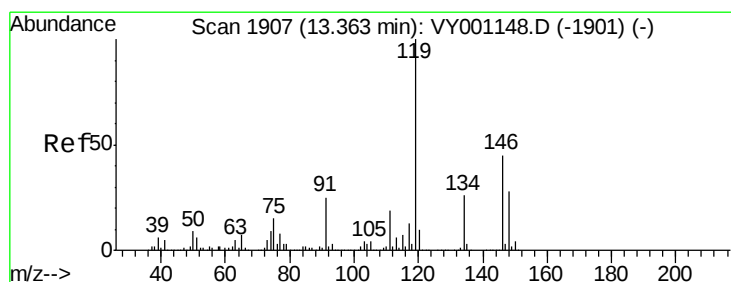
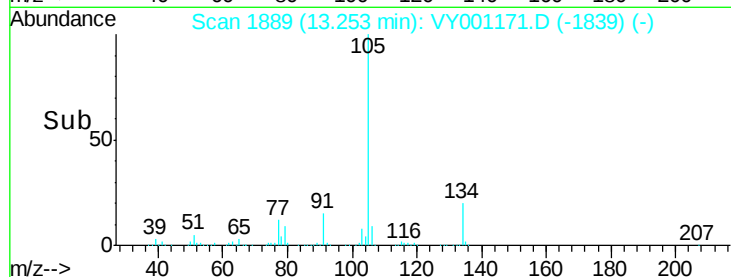
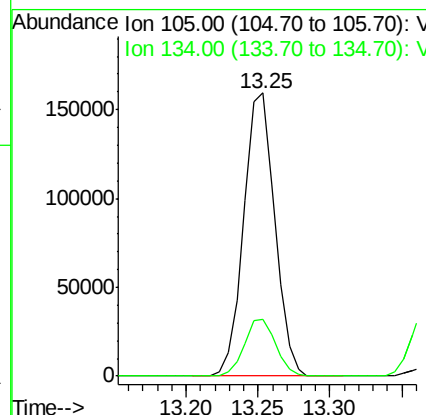
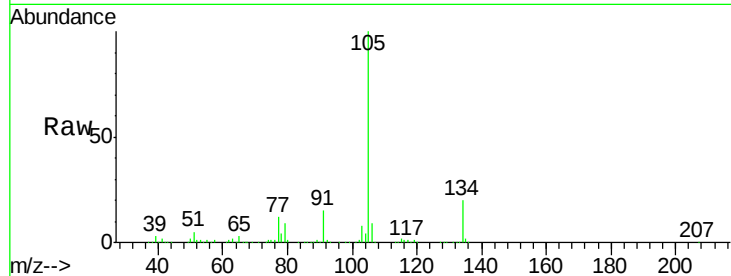
#85
 sec-Butylbenzene
 Concen: 21.001 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY0113SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	9.8	29.5

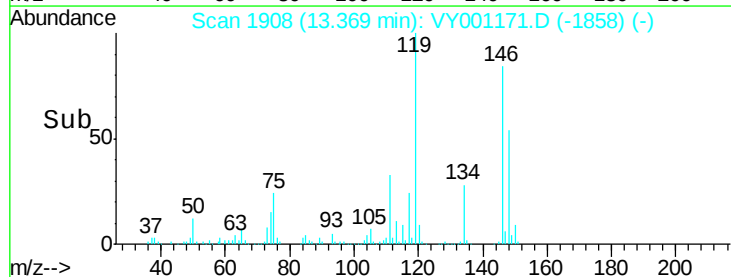
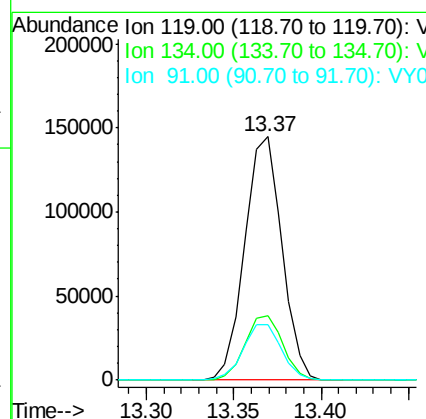
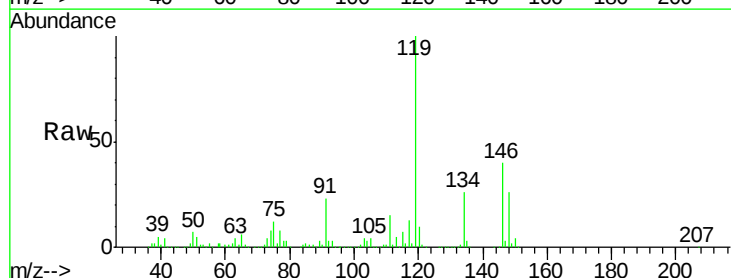
Manual Integrations
 APPROVED

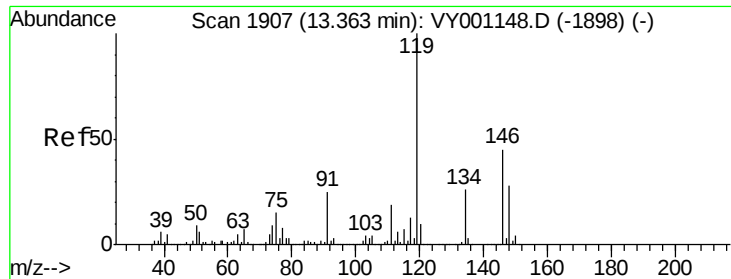
MMDadoda
 1/15/2020 3:52:47 PM



#86
 p-Isopropyltoluene
 Concen: 21.727 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.4	40.2
91	23.4	12.4	37.2





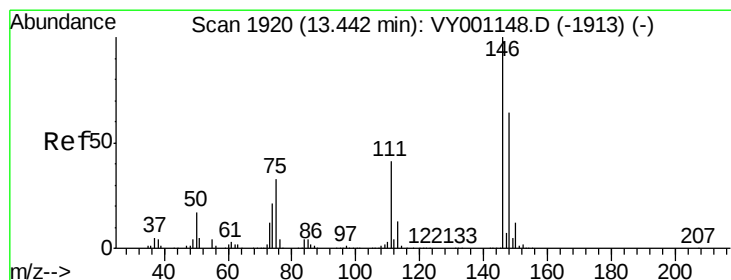
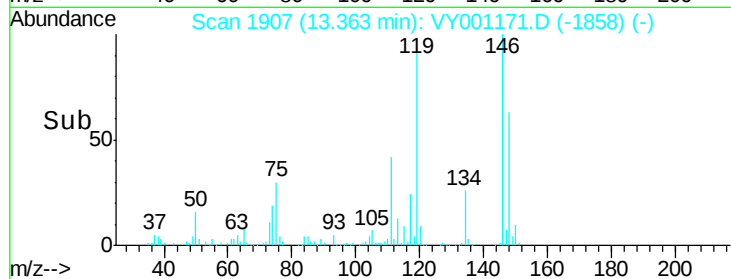
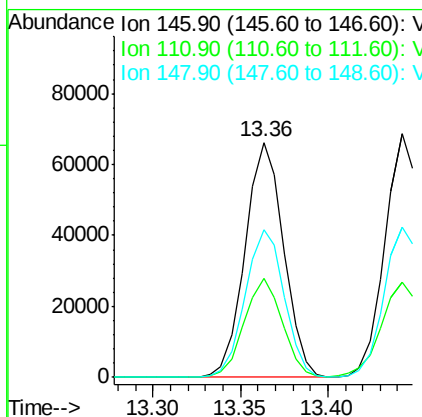
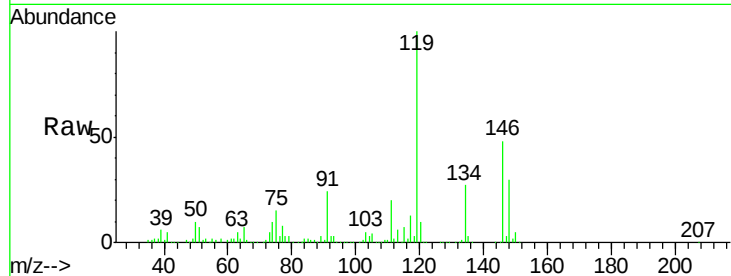
#87
 1,3-Dichlorobenzene
 Concen: 21.544 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	101458		
111	41.5	21.3	64.0	
148	63.6	31.9	95.5	

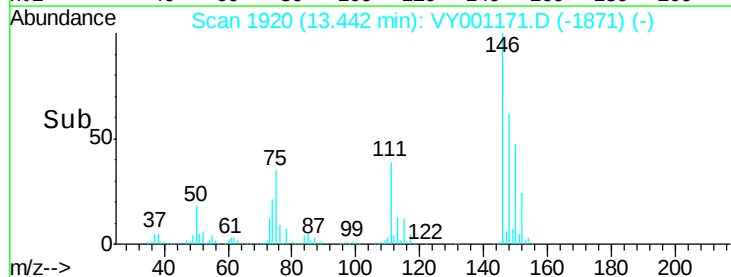
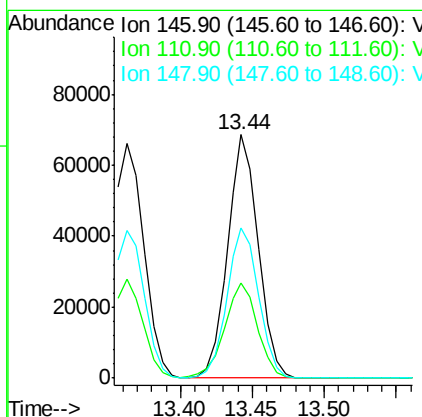
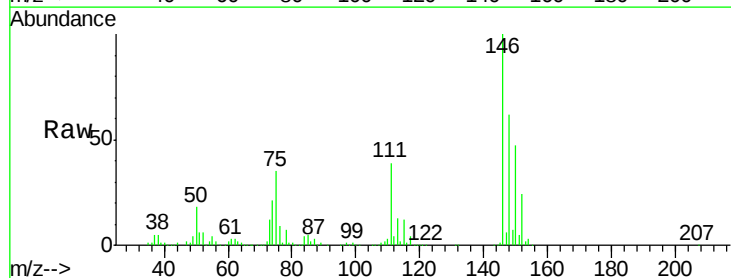
Manual Integrations
 APPROVED

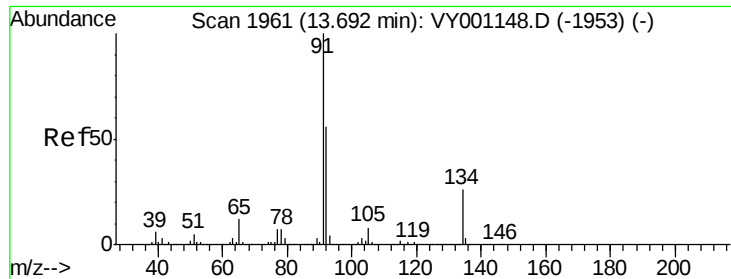
MMDadoda
 1/15/2020 3:52:47 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.997 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	101765		
111	41.7	20.8	62.5	
148	63.8	32.0	96.2	





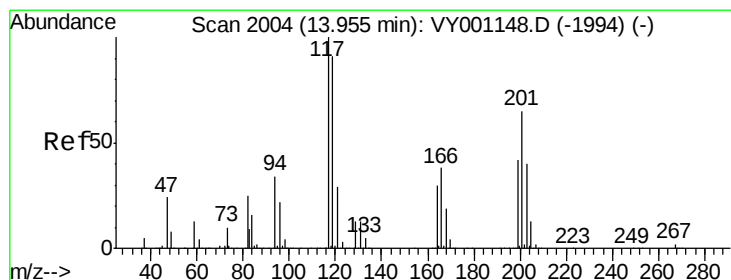
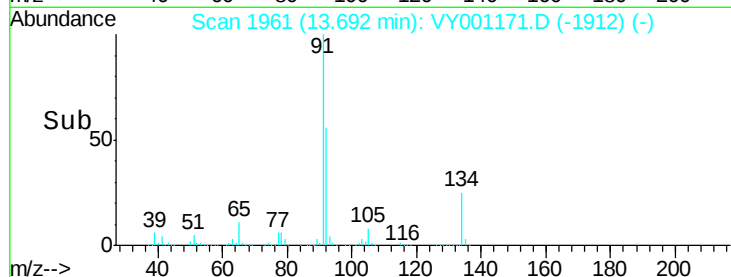
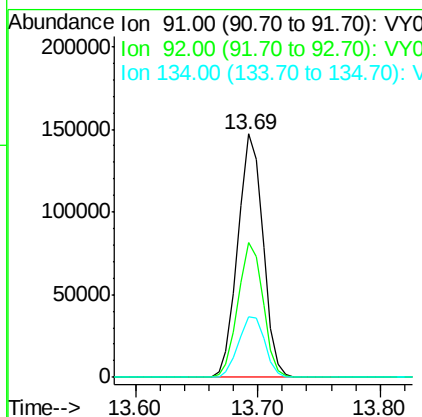
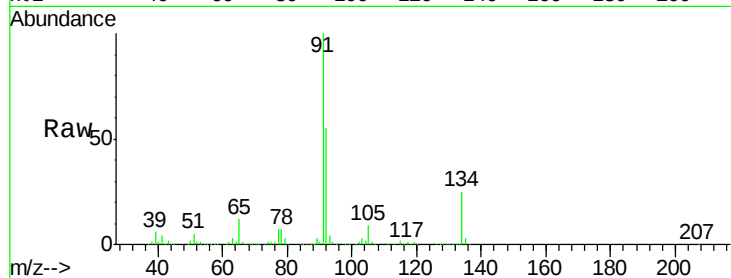
#89
n-Butylbenzene
Concen: 21.075 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0113BSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.7	83.1
134	26.3	12.9	38.6

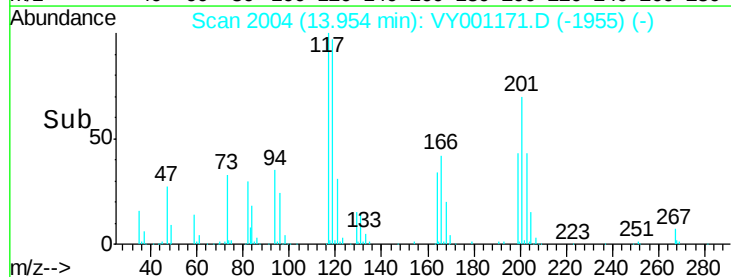
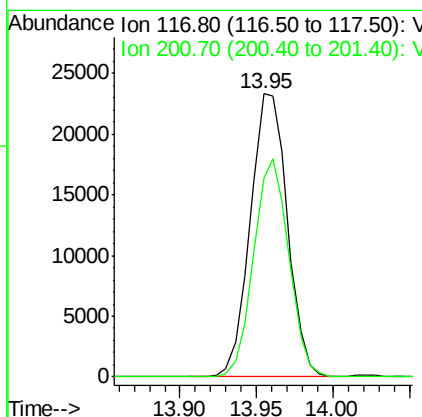
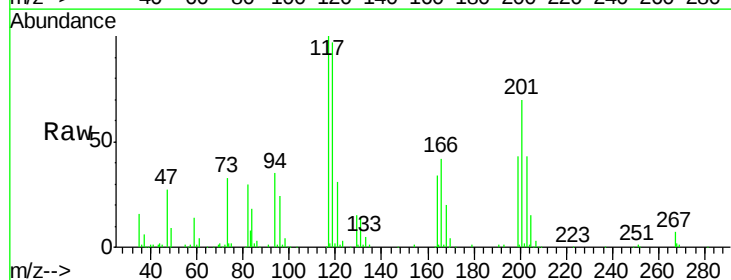
Manual Integrations
APPROVED

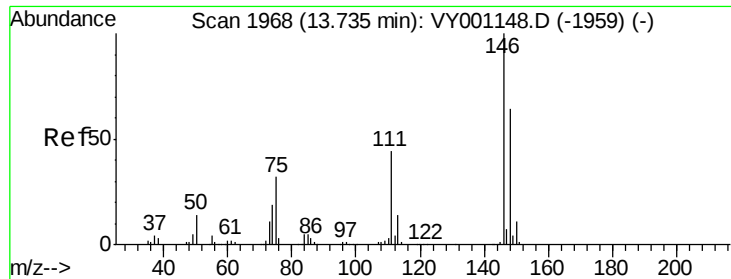
MMDadoda
1/15/2020 3:52:47 PM



#90
Hexachloroethane
Concen: 20.440 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.00 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.9	35.4	106.2





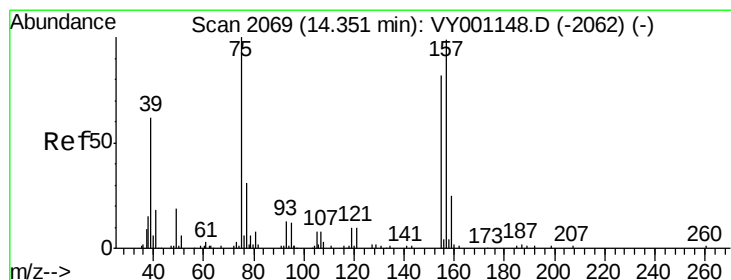
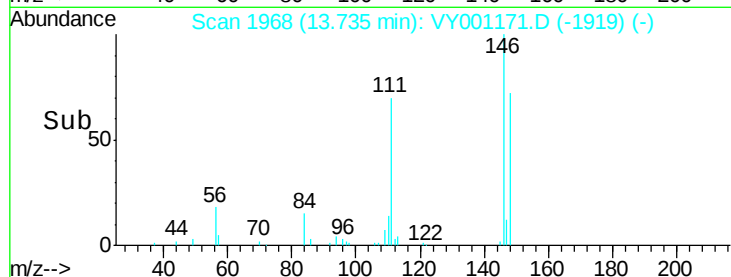
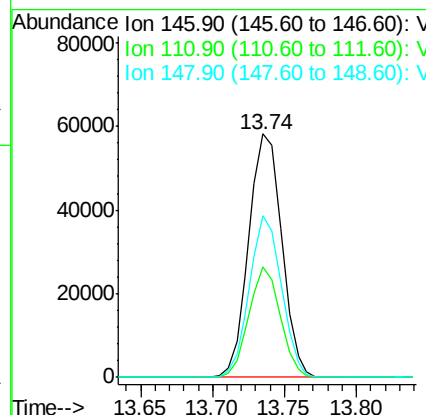
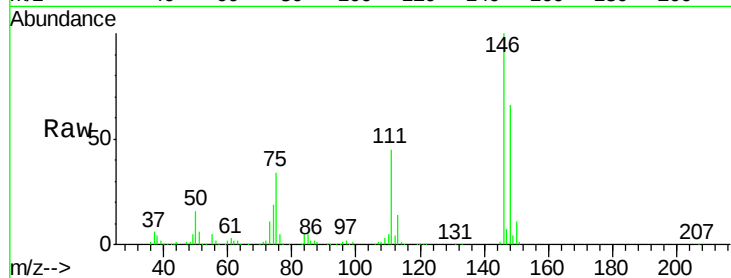
#91
 1,2-Dichlorobenzene
 Concen: 21.130 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.0	66.0
148	64.4	32.1	96.3

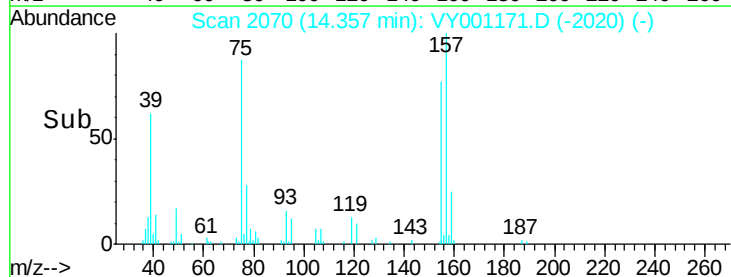
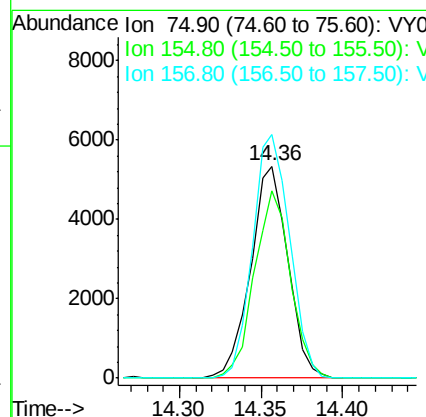
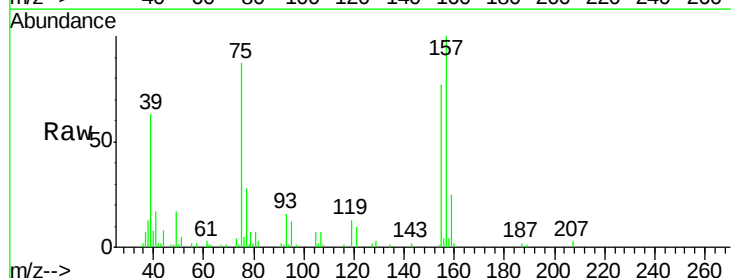
Manual Integrations
 APPROVED

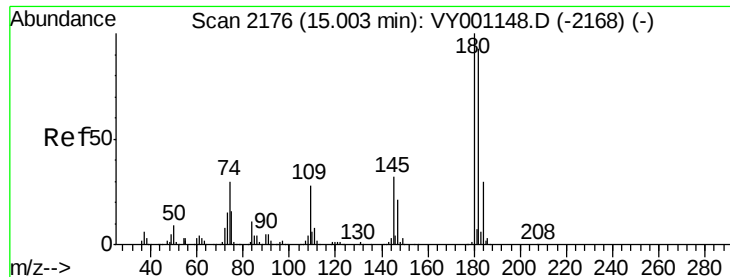
MMDadoda
 1/15/2020 3:52:47 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.884 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	41.2	123.6
157	114.4	52.8	158.4





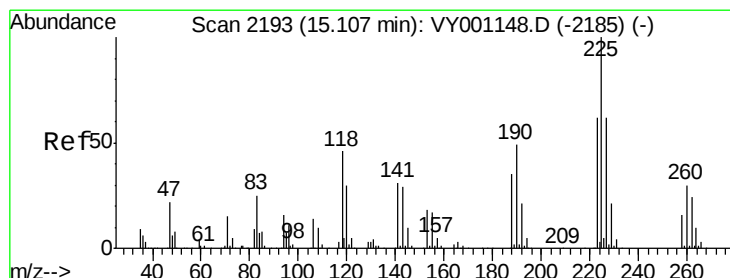
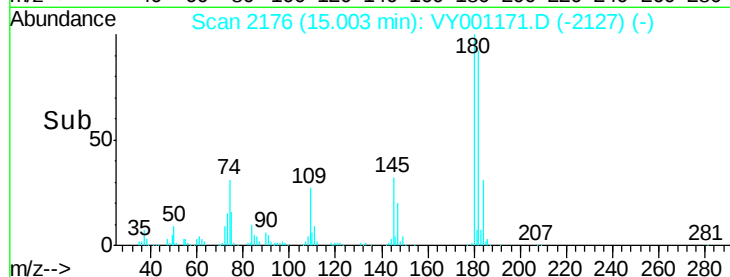
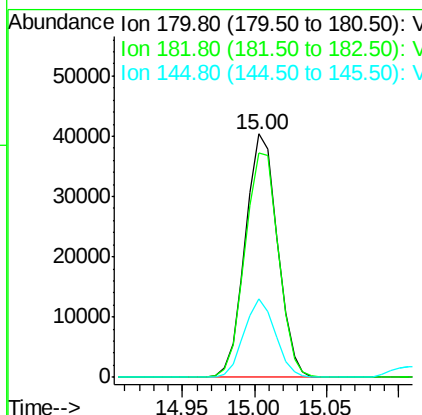
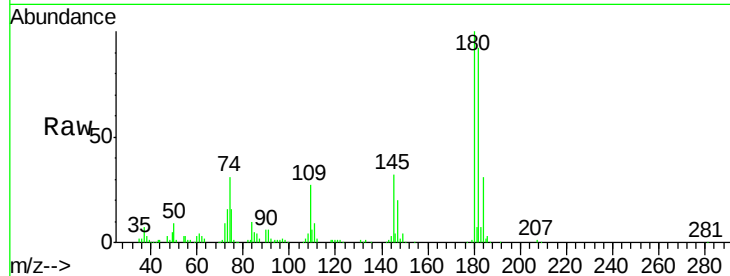
#93
 1,2,4-Trichlorobenzene
 Concen: 21.657 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113BSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	62451		
182	95.4	46.9	140.8	
145	31.4	16.0	48.0	

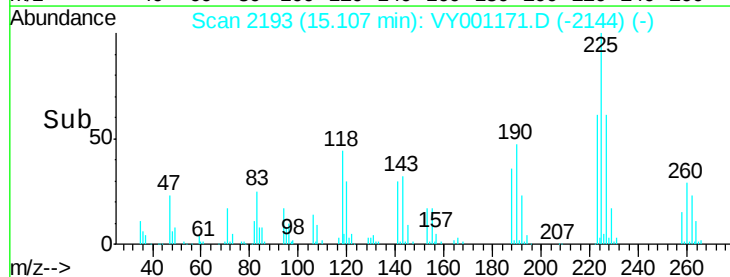
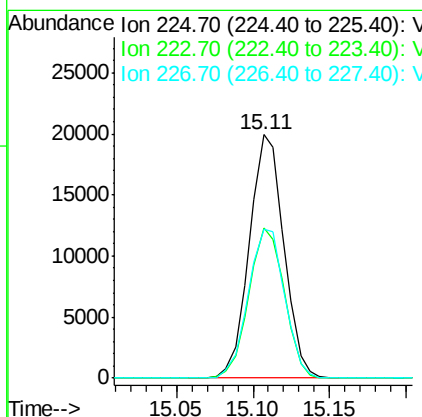
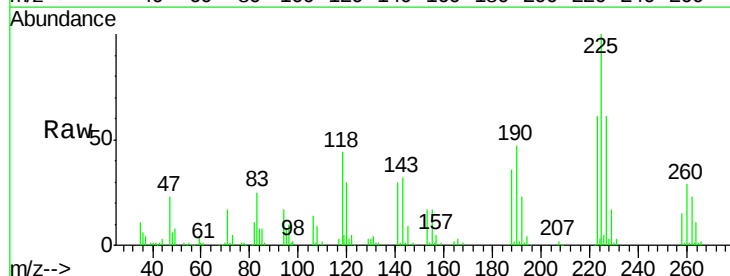
Manual Integrations
 APPROVED

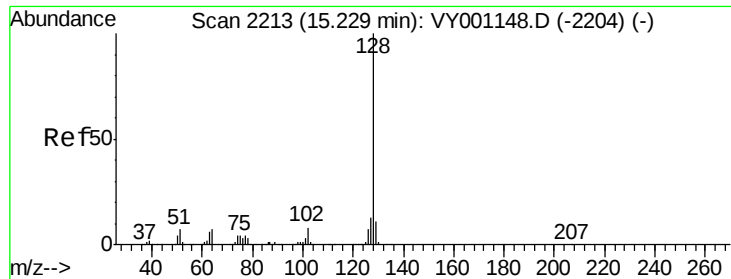
MMDadoda
 1/15/2020 3:52:47 PM



#94
 Hexachlorobutadiene
 Concen: 21.579 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY001171.D
 Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31348		
223	63.1	31.1	93.3	
227	64.4	31.3	93.9	





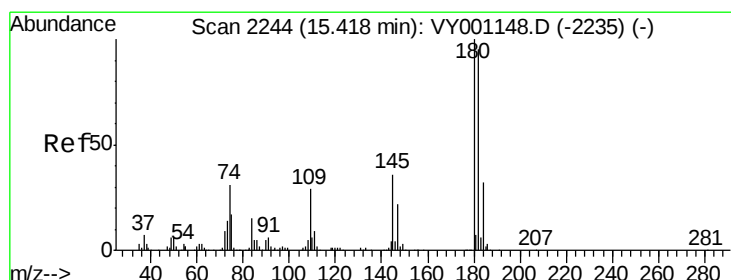
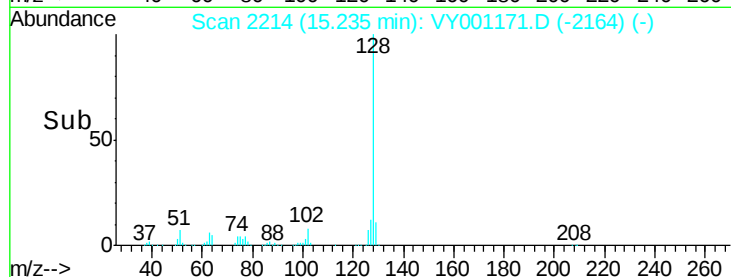
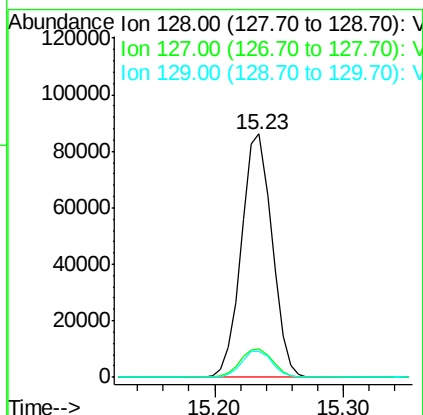
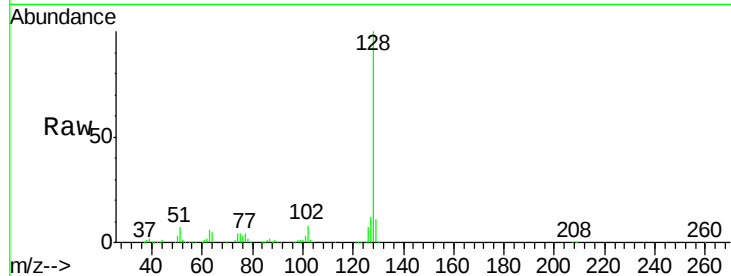
#95
Naphthalene
Concen: 21.128 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0113SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	141837		
127	12.4	10.2	15.4	
129	11.0	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
1/15/2020 3:52:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.325 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY001171.D
Acq: 13 Jan 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	54195		
182	97.0	47.5	142.5	
145	32.7	17.1	51.3	

