

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001489.D
 Acq On : 04 Feb 2020 16:15
 Operator : SY/MD
 Sample : VY0204SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:23:56 PM

Quant Time: Feb 04 16:39:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	243778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	421003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	375030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	175334	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	127767	52.05	ug/l	-0.01
Spiked Amount						
						Recovery = 104.10%
35) Dibromofluoromethane	7.73	113	120384	49.59	ug/l	-0.01
Spiked Amount						
						Recovery = 99.18%
50) Toluene-d8	10.18	98	479082	52.16	ug/l	0.00
Spiked Amount						
						Recovery = 104.32%
62) 4-Bromofluorobenzene	12.49	95	177513	49.06	ug/l	0.00
Spiked Amount						
						Recovery = 98.12%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	49562	20.770	ug/l	99
3) Chloromethane	2.12	50	51933	20.823	ug/l	97
4) Vinyl Chloride	2.26	62	53447	20.638	ug/l	99
5) Bromomethane	2.65	94	34003	20.878	ug/l	95
6) Chloroethane	2.80	64	31692	20.302	ug/l	93
7) Trichlorofluoromethane	3.13	101	87959	20.519	ug/l	97
8) Diethyl Ether	3.55	74	31024	21.447	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	52925	20.520	ug/l	98
10) Methyl Iodide	4.10	142	65457	19.918	ug/l	99
11) Tert butyl alcohol	4.97	59	39044	124.479	ug/l	98
12) 1,1-Dichloroethene	3.88	96	51977	20.280	ug/l	98
13) Acrolein	3.75	56	24881	107.055	ug/l	99
14) Allyl chloride	4.49	41	81172	20.703	ug/l	99
15) Acrylonitrile	5.18	53	73212	110.401	ug/l	100
16) Acetone	3.96	43	72869	102.634	ug/l	100
17) Carbon Disulfide	4.21	76	168389	20.638	ug/l	100
18) Methyl Acetate	4.49	43	34117	22.518	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	145461	21.341	ug/l	100
20) Methylene Chloride	4.73	84	63602	20.047	ug/l	94
21) trans-1,2-Dichloroethene	5.23	96	58970	20.697	ug/l	96
22) Diisopropyl ether	6.14	45	164336	21.156	ug/l	99
23) Vinyl Acetate	6.08	43	534692	108.127	ug/l	99
24) 1,1-Dichloroethane	6.04	63	97093	20.780	ug/l	98
25) 2-Butanone	7.00	43	101115	109.776	ug/l	100
26) 2,2-Dichloropropane	7.00	77	90962	20.341	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	65244	20.965	ug/l	99
28) Bromochloromethane	7.35	49	30728	19.305	ug/l	99
29) Tetrahydrofuran	7.36	42	62774	113.705	ug/l	100
30) Chloroform	7.52	83	97274	20.553	ug/l	97
31) Cyclohexane	7.80	56	96470	20.184	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	89733	20.912	ug/l	99
36) 1,1-Dichloropropene	7.93	75	80498	20.901	ug/l	99
37) Ethyl Acetate	7.09	43	42250	22.661	ug/l	100
38) Carbon Tetrachloride	7.91	117	78170	20.978	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001489.D
 Acq On : 04 Feb 2020 16:15
 Operator : SY/MD
 Sample : VY0204SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY0204SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:23:56 PM

Quant Time: Feb 04 16:39:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	105480	20.800	ug/l	98
40) Benzene	8.17	78	229428	20.885	ug/l	98
41) Methacrylonitrile	7.33	41	21275m	24.621	ug/l	
42) 1,2-Dichloroethane	8.25	62	65542	21.415	ug/l	99
43) Isopropyl Acetate	8.28	43	83042	22.495	ug/l	98
44) Trichloroethene	8.94	130	61759	20.857	ug/l	97
45) 1,2-Dichloropropane	9.22	63	55394	20.882	ug/l	99
46) Dibromomethane	9.32	93	32332	21.706	ug/l	99
47) Bromodichloromethane	9.50	83	76712	21.137	ug/l	99
48) Methyl methacrylate	9.30	41	36640	21.869	ug/l	98
49) 1,4-Dioxane	9.30	88	8368	425.379	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	208869	114.892	ug/l	99
52) Toluene	10.25	92	145648	20.896	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	84223	21.306	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	95946	21.142	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	46752	21.876	ug/l	97
56) Ethyl methacrylate	10.51	69	66764	21.964	ug/l	99
57) 1,3-Dichloropropane	10.80	76	79744	21.167	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	114611	102.492	ug/l	98
59) 2-Hexanone	10.83	43	151994	114.989	ug/l	99
60) Dibromochloromethane	10.99	129	53029	21.050	ug/l	98
61) 1,2-Dibromoethane	11.10	107	45926	21.818	ug/l	98
64) Tetrachloroethene	10.72	164	50587	20.568	ug/l	98
65) Chlorobenzene	11.52	112	155827	21.162	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	54345	21.087	ug/l	99
67) Ethyl Benzene	11.60	91	285042	20.936	ug/l	99
68) m/p-Xylenes	11.70	106	217593	42.572	ug/l	100
69) o-Xylene	12.03	106	102127	21.192	ug/l	99
70) Styrene	12.05	104	175987	21.117	ug/l	99
71) Bromoform	12.21	173	31273	21.792	ug/l #	97
73) Isopropylbenzene	12.33	105	273893	20.482	ug/l	100
74) N-amyl acetate	12.14	43	76811	22.105	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	55786	21.957	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	45447m	24.103	ug/l	
77) Bromobenzene	12.61	156	61407	21.219	ug/l	99
78) n-propylbenzene	12.67	91	328159	20.498	ug/l	99
79) 2-Chlorotoluene	12.76	91	187487	20.546	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	234739	20.844	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	21130	21.684	ug/l	99
82) 4-Chlorotoluene	12.86	91	200058	20.910	ug/l	98
83) tert-Butylbenzene	13.08	119	196010	20.591	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	233725	20.969	ug/l	100
85) sec-Butylbenzene	13.25	105	275604	20.592	ug/l	99
86) p-Isopropyltoluene	13.38	119	247451	20.981	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	116253	20.961	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	117082	21.072	ug/l	99
89) n-Butylbenzene	13.70	91	243118	20.892	ug/l	99
90) Hexachloroethane	13.97	117	46806	20.676	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	106367	21.163	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10165	21.673	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
Data File : VY001489.D
Acq On : 04 Feb 2020 16:15
Operator : SY/MD
Sample : VY0204SBS01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

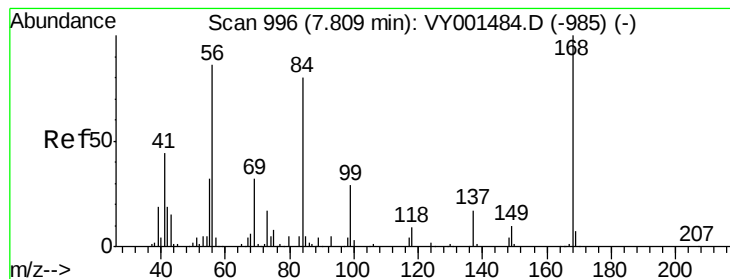
Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:56 PM

Quant Time: Feb 04 16:39:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	71968	21.249	ug/l	99
94) Hexachlorobutadiene	15.11	225	34981	20.350	ug/l	99
95) Naphthalene	15.24	128	171290	21.519	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	63832	21.350	ug/l	100

(#) = 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: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion:168 Resp: 243778

Ion Ratio Lower Upper

168 100

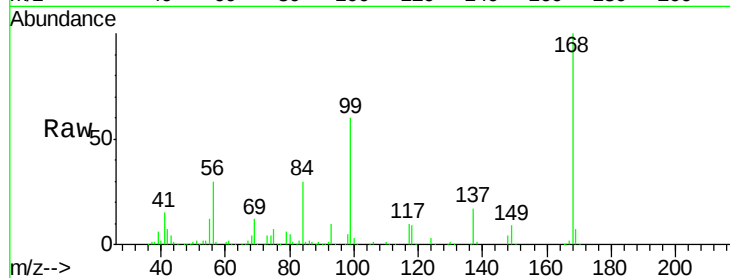
99 60.3 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

2/5/2020 12:23:56 PM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

120000

100000

80000

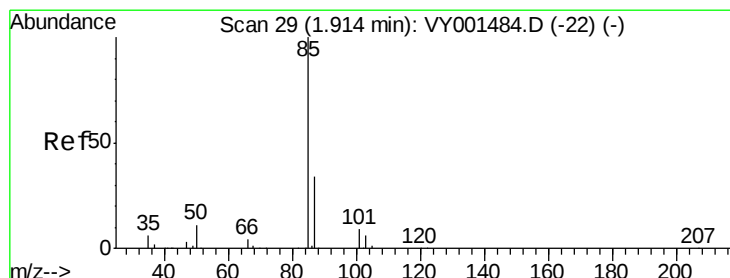
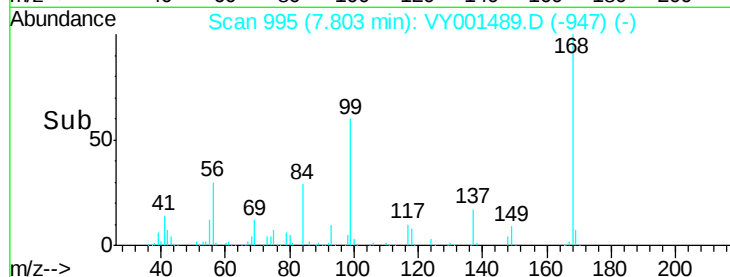
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.770 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001489.D

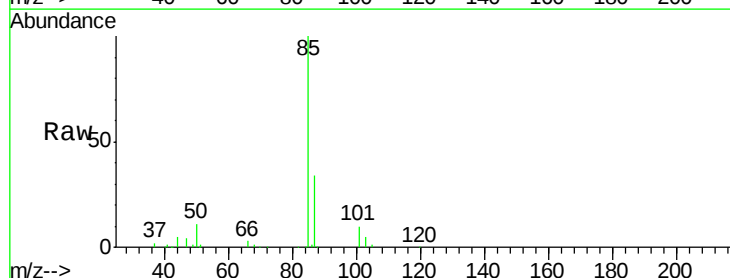
Acq: 04 Feb 2020 16:15

Tgt Ion: 85 Resp: 49562

Ion Ratio Lower Upper

85 100

87 34.3 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

40000

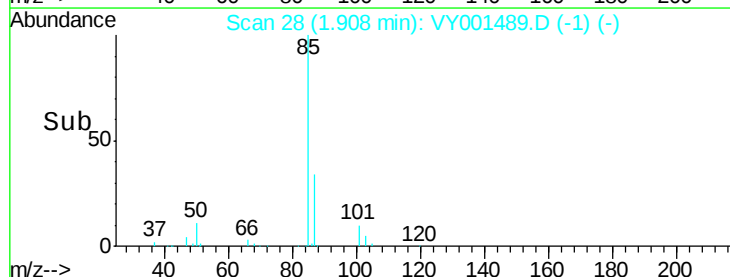
30000

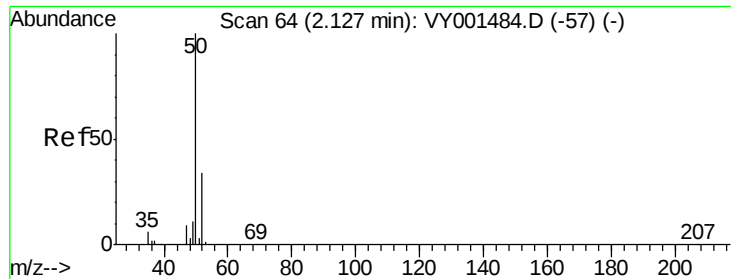
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.823 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion: 50 Resp: 51933

Ion Ratio Lower Upper

50 100

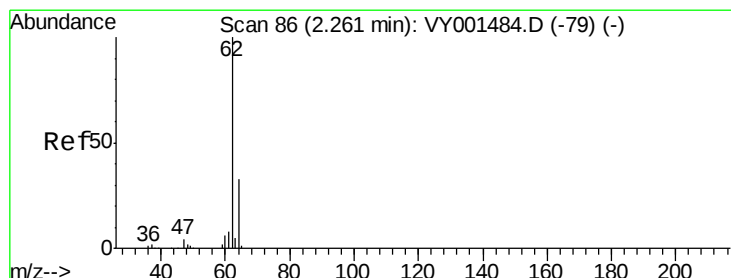
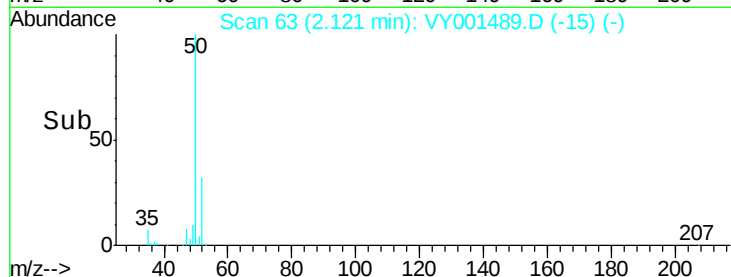
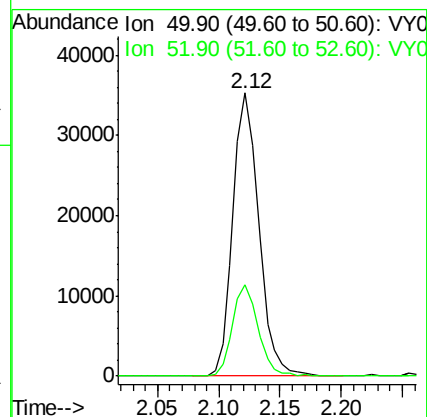
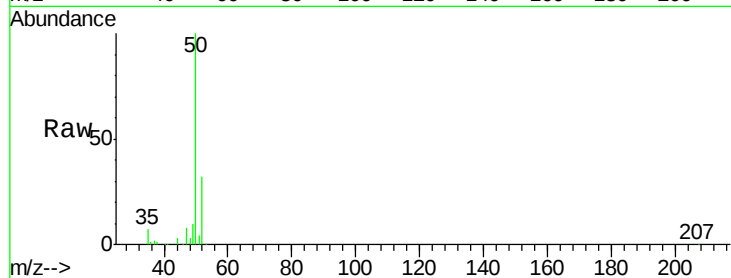
52 32.2 27.3 40.9

Manual Integrations

APPROVED

MMDadoda

2/5/2020 12:23:56 PM



#4

Vinyl Chloride

Concen: 20.638 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001489.D

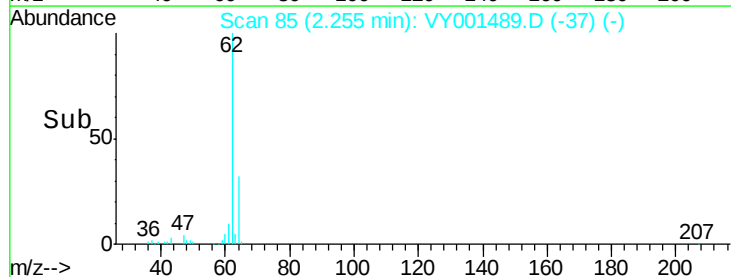
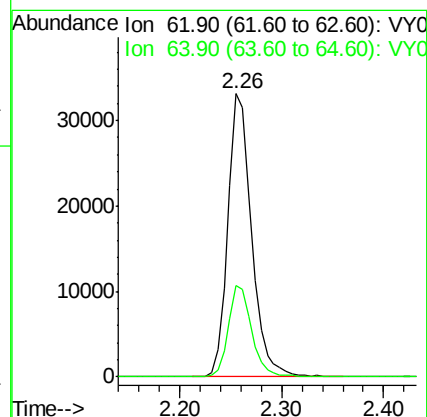
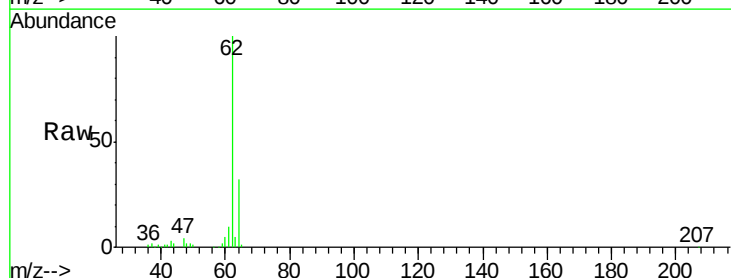
Acq: 04 Feb 2020 16:15

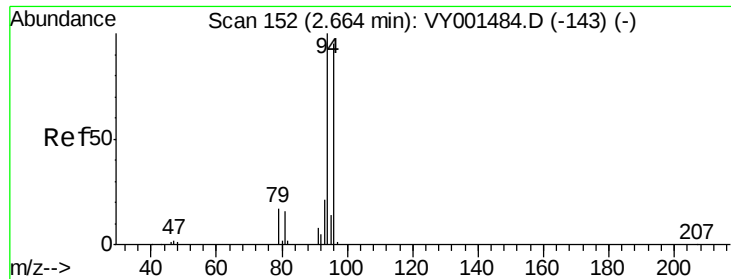
Tgt Ion: 62 Resp: 53447

Ion Ratio Lower Upper

62 100

64 32.3 26.4 39.6





#5

Bromomethane

Concen: 20.878 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.02 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion: 94 Resp: 34003

Ion Ratio Lower Upper

94 100

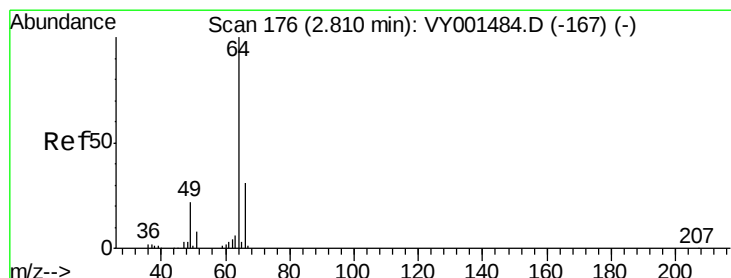
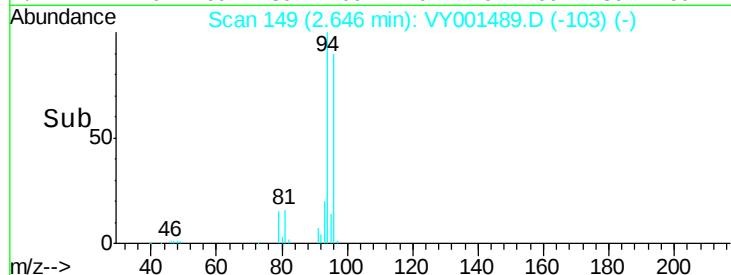
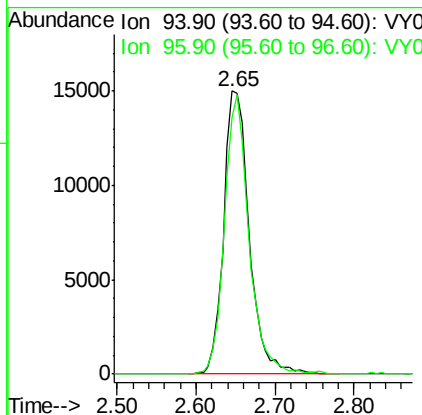
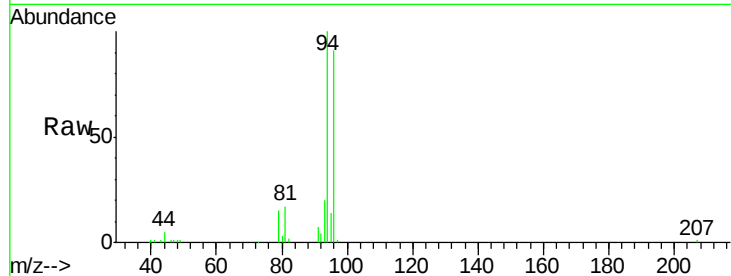
96 90.8 76.2 114.2

Manual Integrations

APPROVED

MMDadoda

2/5/2020 12:23:56 PM



#6

Chloroethane

Concen: 20.302 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY001489.D

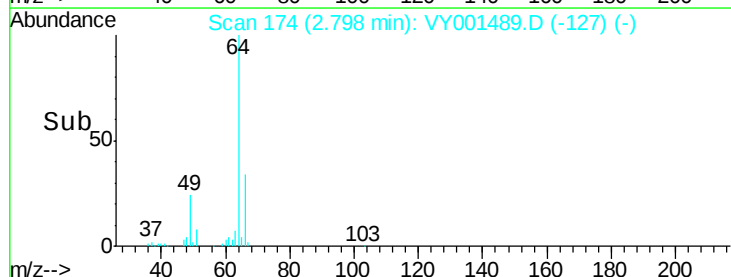
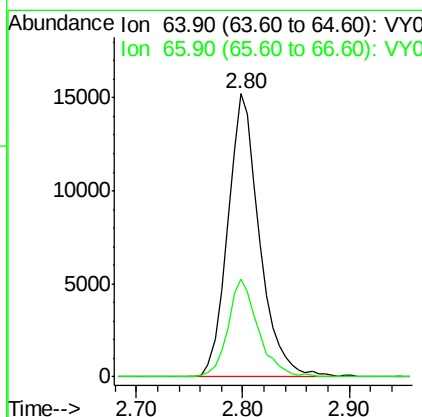
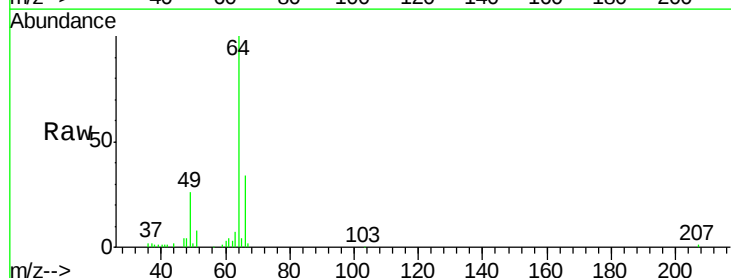
Acq: 04 Feb 2020 16:15

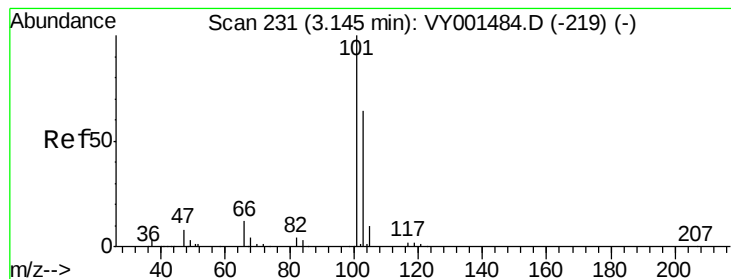
Tgt Ion: 64 Resp: 31692

Ion Ratio Lower Upper

64 100

66 34.3 24.5 36.7





#7

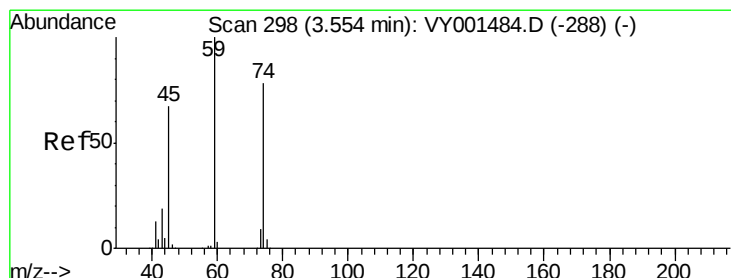
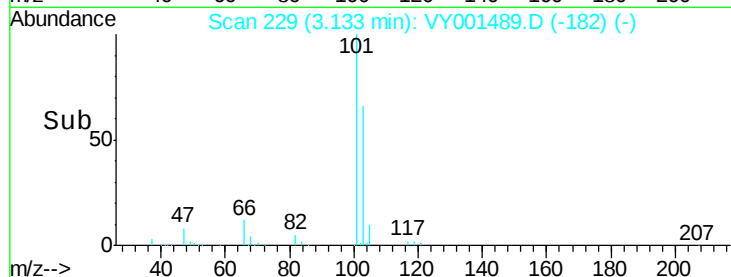
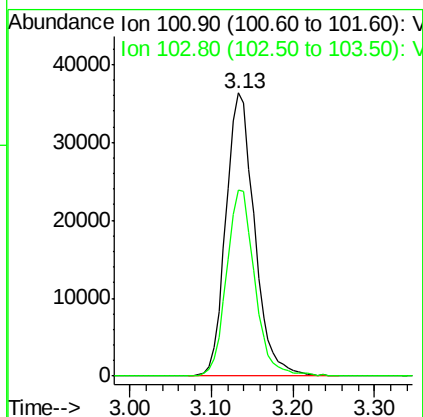
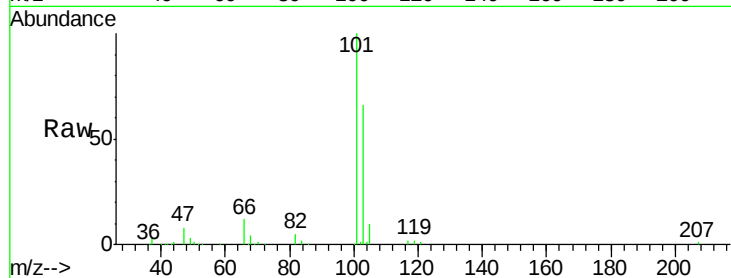
Trichlorofluoromethane
Concen: 20.519 ug/l
RT: 3.13 min Scan# 229
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.9	76.3

Manual Integrations
APPROVED

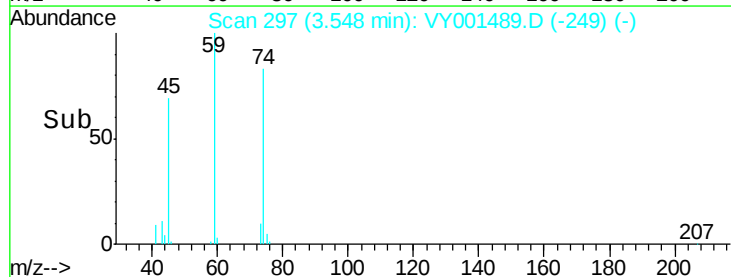
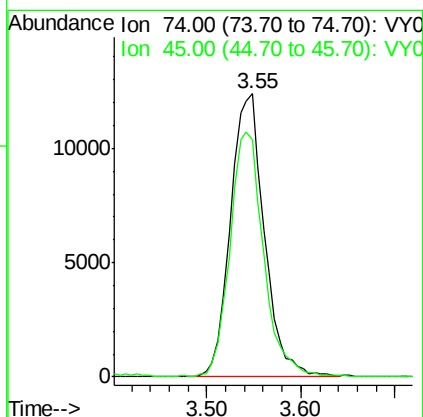
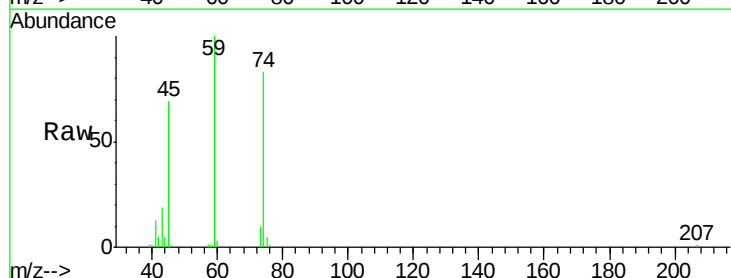
MMDadoda
2/5/2020 12:23:56 PM

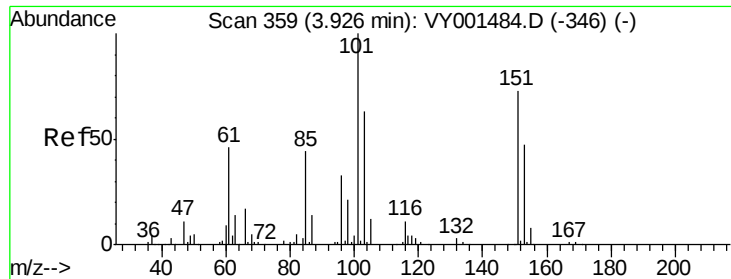


#8

Diethyl Ether
Concen: 21.447 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.2	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.520 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

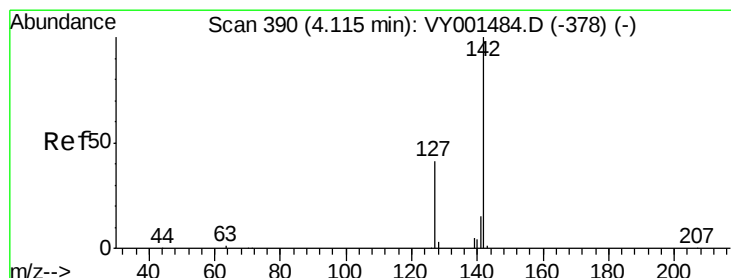
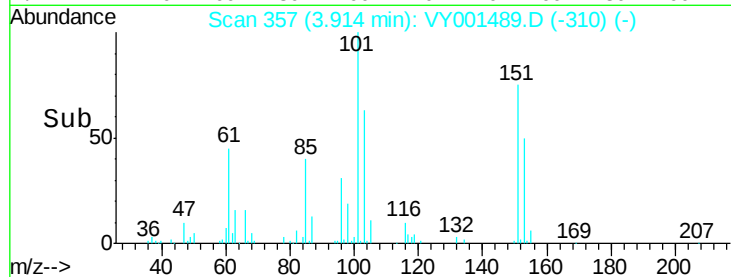
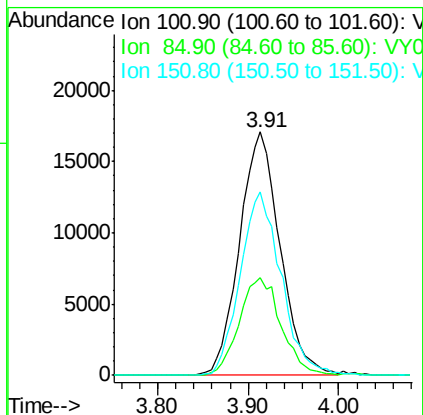
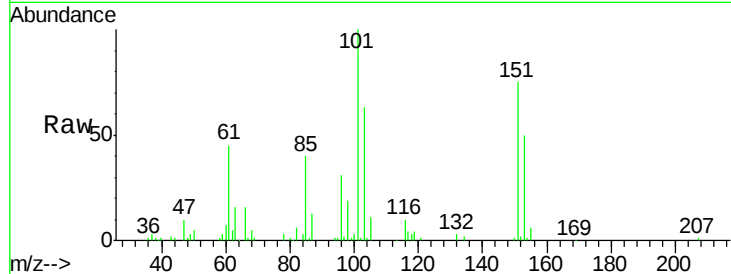
ClientSampleId :

VY0204SBS01

Tot Ion:	101	Resp:	52925
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.6	51.8
151	76.0	60.3	90.5

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:56 PM



#10

Methyl Iodide

Concen: 19.918 ug/l

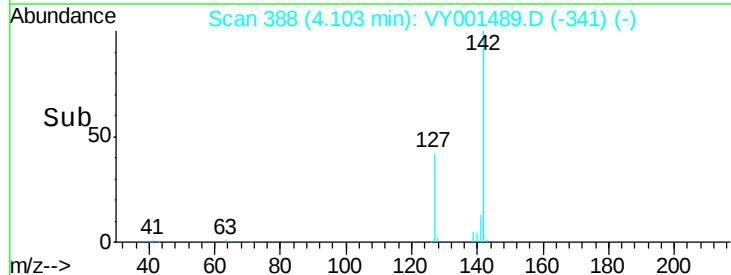
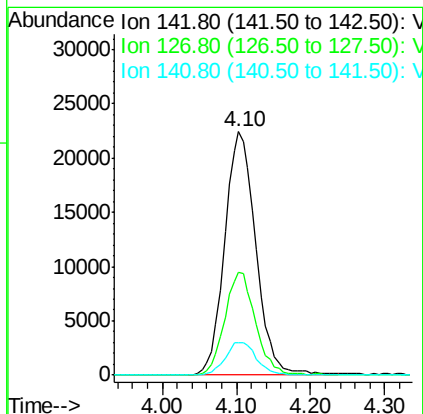
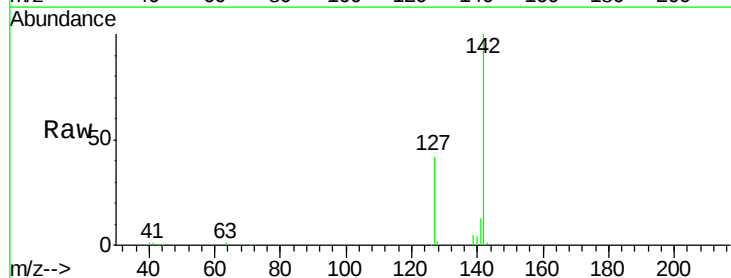
RT: 4.10 min Scan# 388

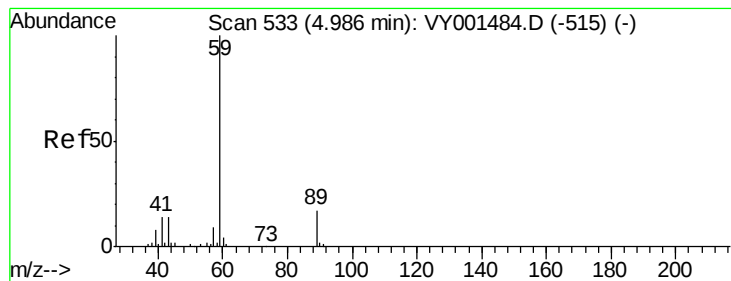
Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Tgt Ion:	142	Resp:	65457
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.3	49.9
141	13.4	11.5	17.3





#11

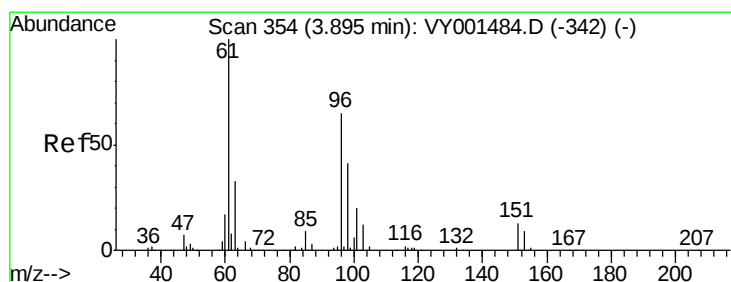
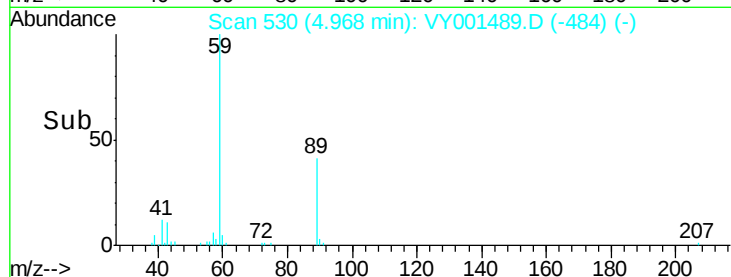
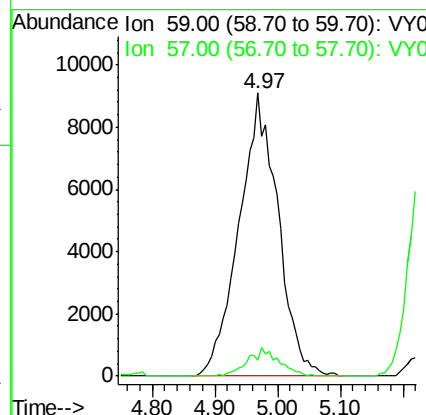
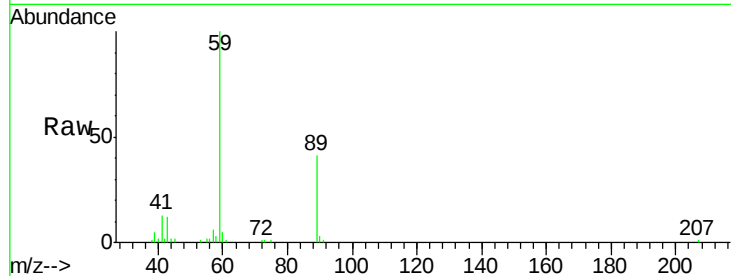
Tert butyl alcohol
Concen: 124.479 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.02 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	59	Resp	39044
Ion Ratio	100	Lower	Upper
57	7.9	7.0	10.6

Manual Integrations
APPROVED

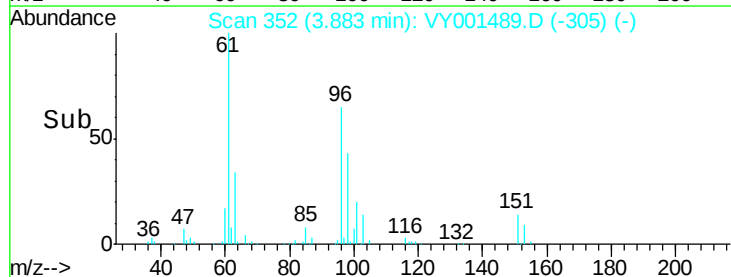
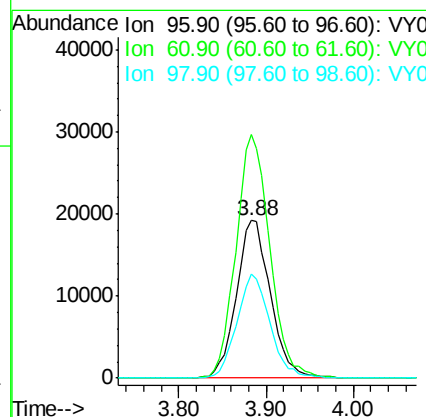
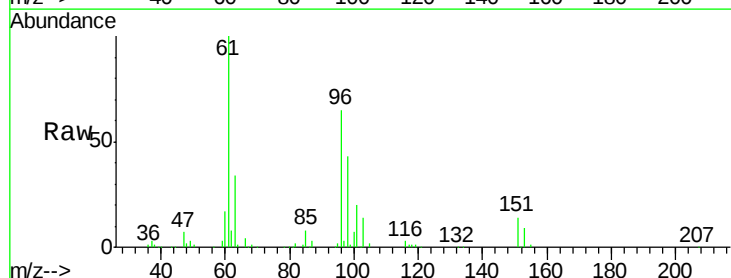
MMDadoda
2/5/2020 12:23:56 PM

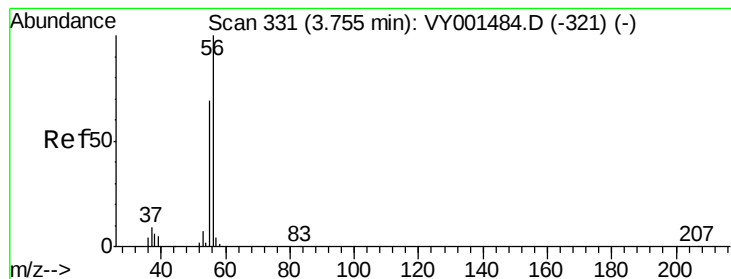


#12

1,1-Dichloroethene
Concen: 20.280 ug/l
RT: 3.88 min Scan# 352
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	96	Resp	51977
Ion Ratio	100	Lower	Upper
61	154.4	122.3	183.5
98	66.0	49.7	74.5





#13

Acrolein

Concen: 107.055 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion: 56 Resp: 24881

Ion Ratio Lower Upper

56 100

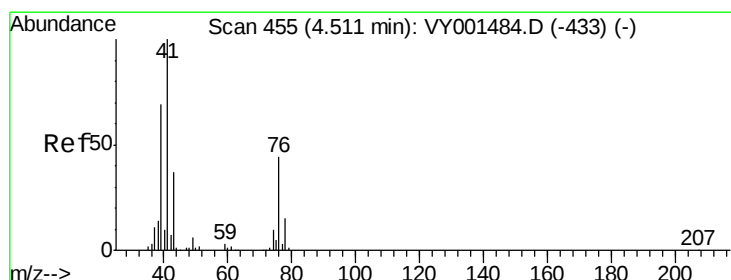
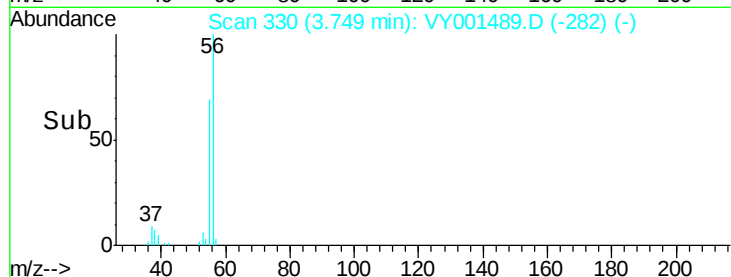
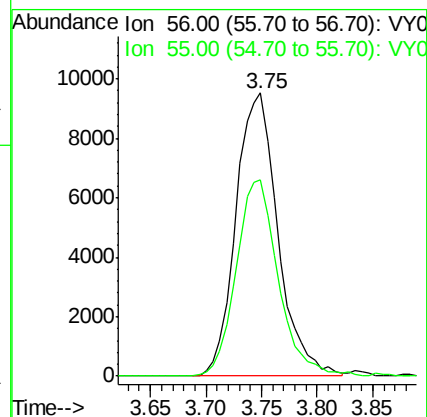
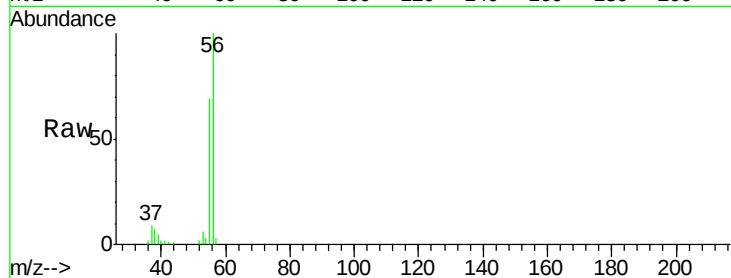
55 69.6 56.2 84.4

Manual Integrations

APPROVED

MMDadoda

2/5/2020 12:23:56 PM



#14

Allyl chloride

Concen: 20.703 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.02 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

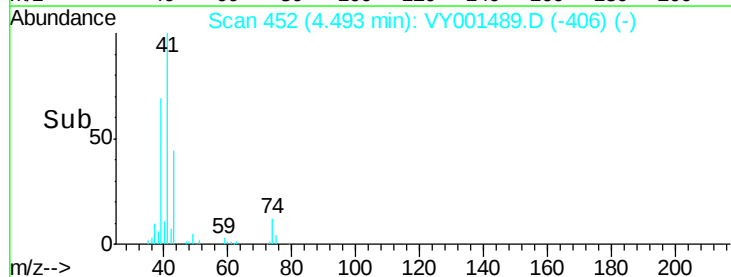
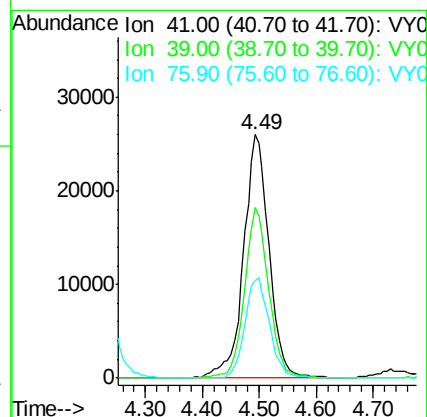
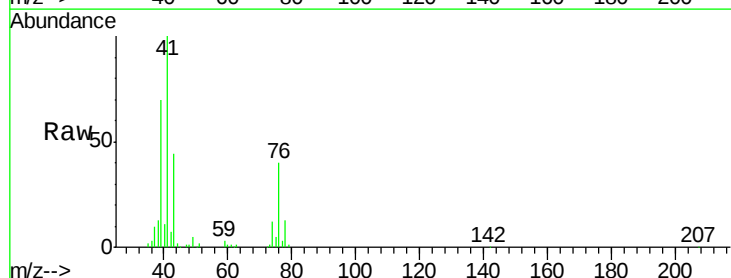
Tgt Ion: 41 Resp: 81172

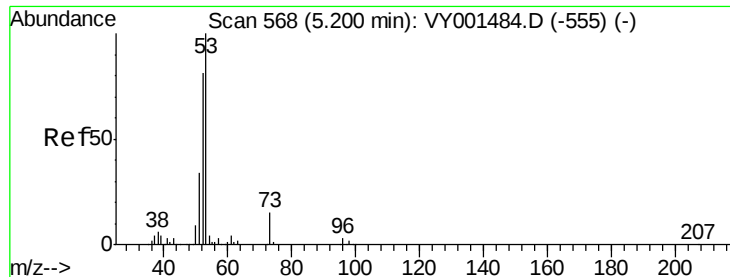
Ion Ratio Lower Upper

41 100

39 66.4 53.0 79.6

76 39.8 32.6 48.8





#15

Acrylonitrile

Concen: 110.401 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.02 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

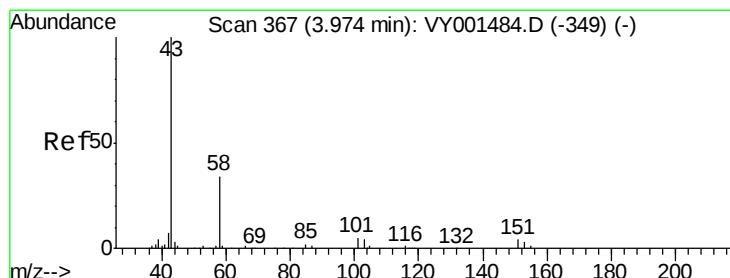
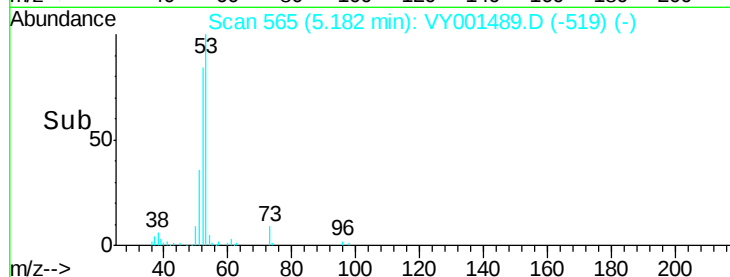
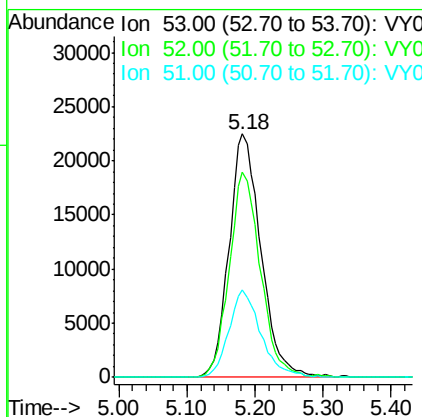
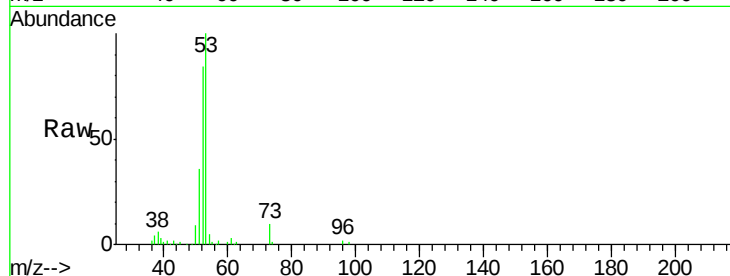
ClientSampleId :

VY0204SBS01

Tot Ion:	53	Resp:	73212
Ion Ratio		Lower	Upper
53	100		
52	82.1	65.4	98.2
51	35.9	29.0	43.4

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:56 PM



#16

Acetone

Concen: 102.634 ug/l

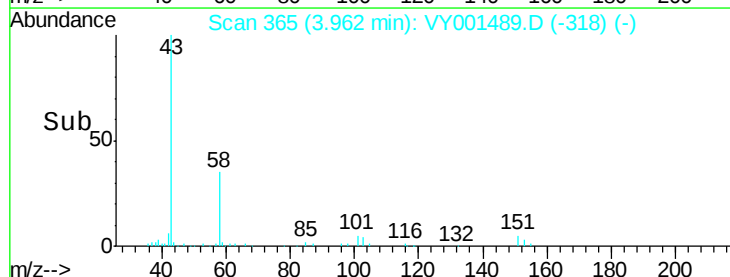
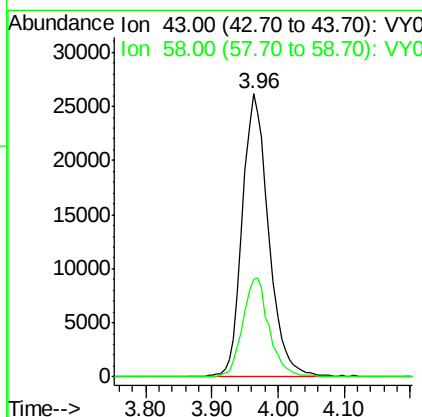
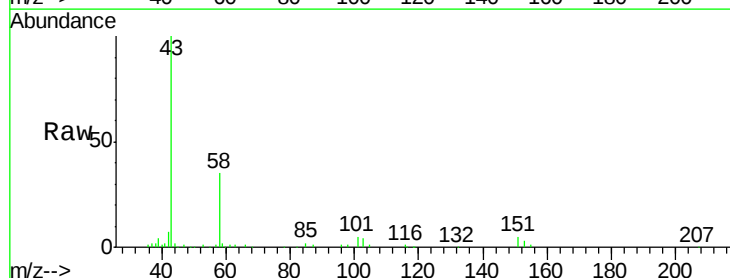
RT: 3.96 min Scan# 365

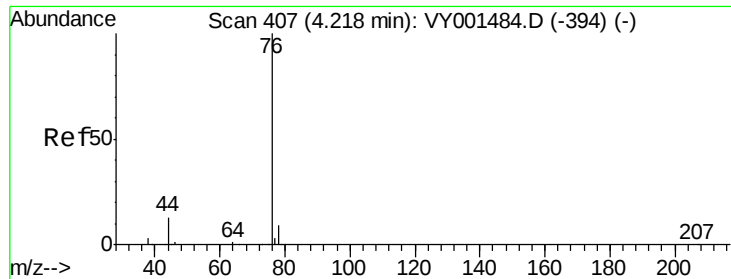
Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Tgt Ion:	43	Resp:	72869
Ion Ratio		Lower	Upper
43	100		
58	34.6	27.5	41.3





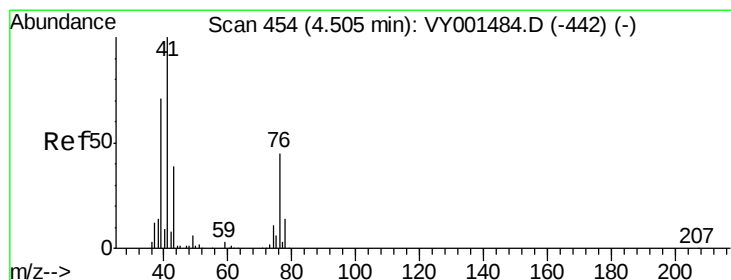
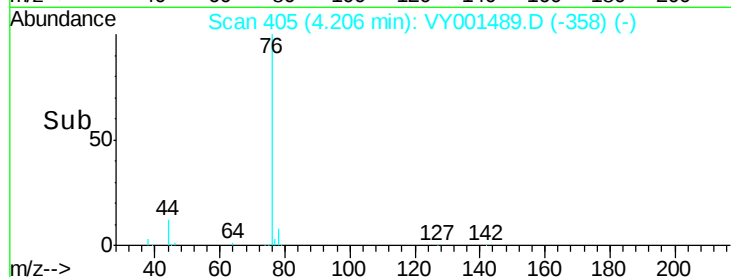
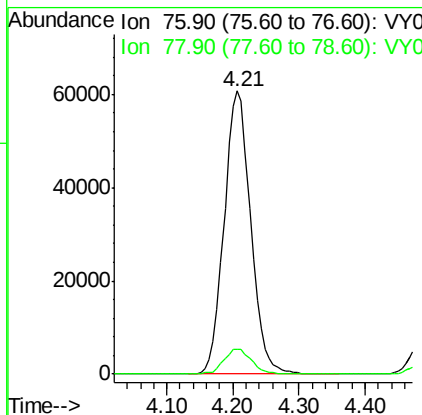
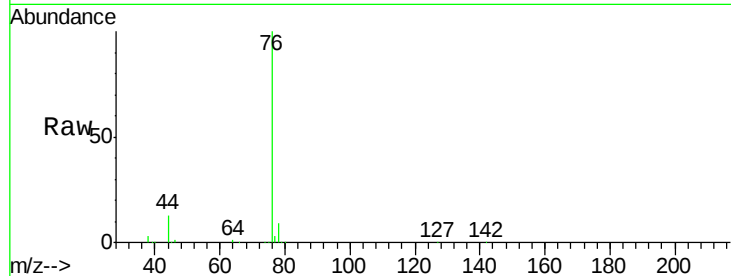
#17
Carbon Disulfide
Concen: 20.638 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

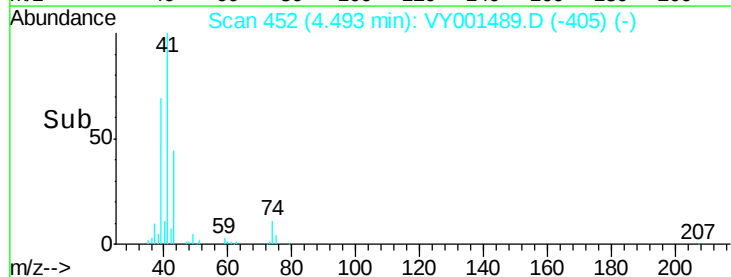
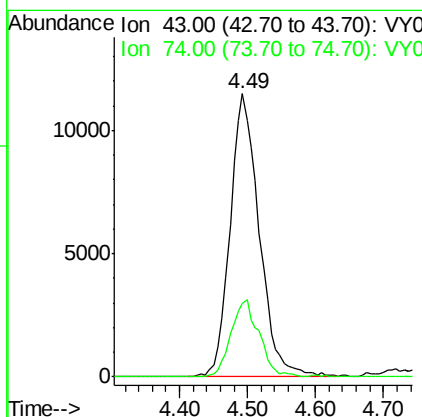
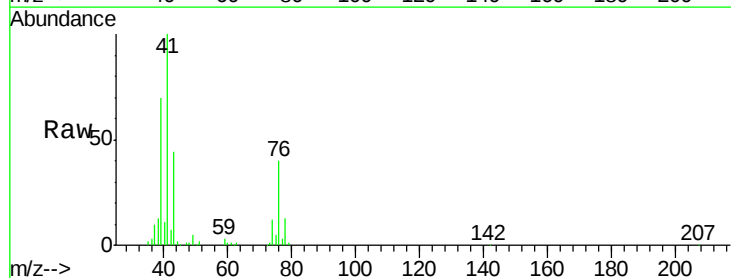
Manual Integrations
APPROVED

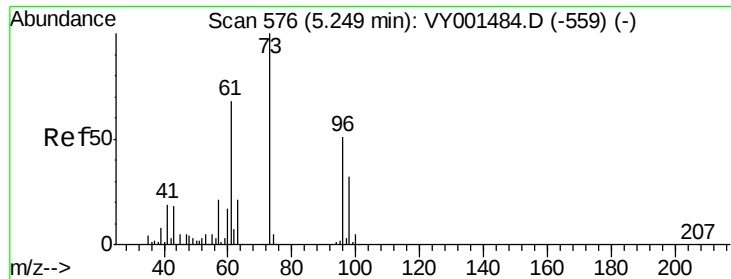
MMDadoda
2/5/2020 12:23:56 PM



#18
Methyl Acetate
Concen: 22.518 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	21.0	31.6





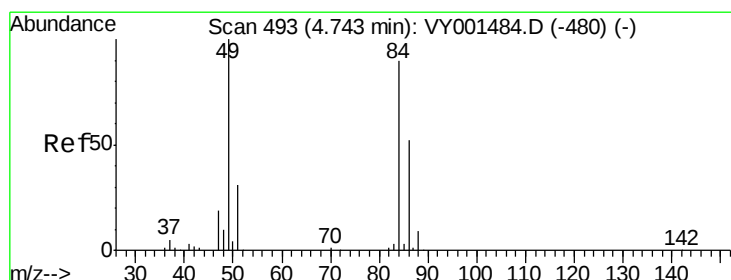
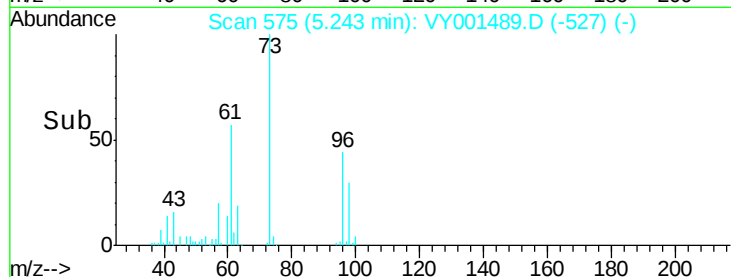
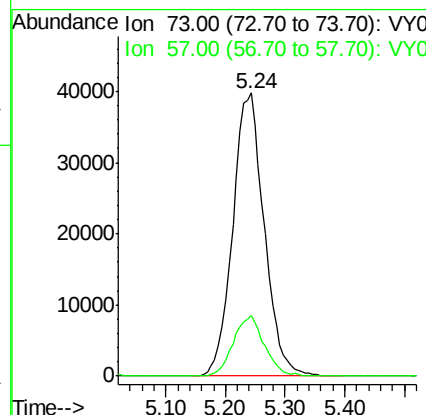
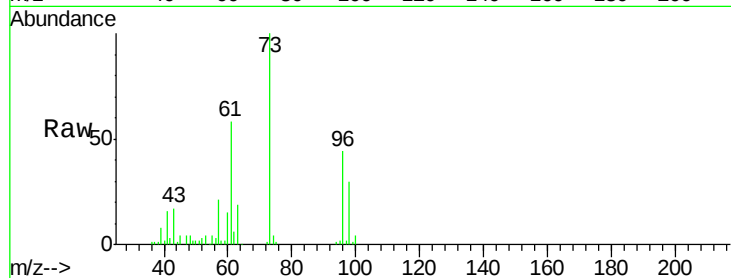
#19
Methvl tert-butvl Ether
Concen: 21.341 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion: 73 Resp: 145461
Ion Ratio Lower Upper
73 100
57 21.4 17.0 25.6

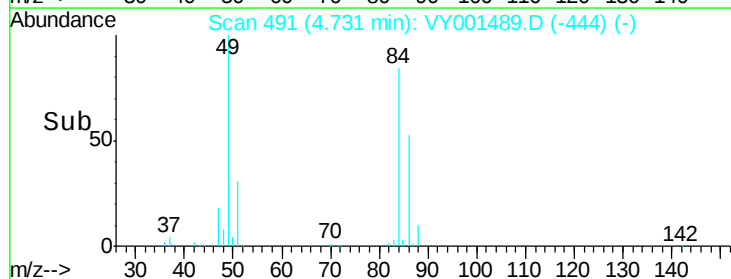
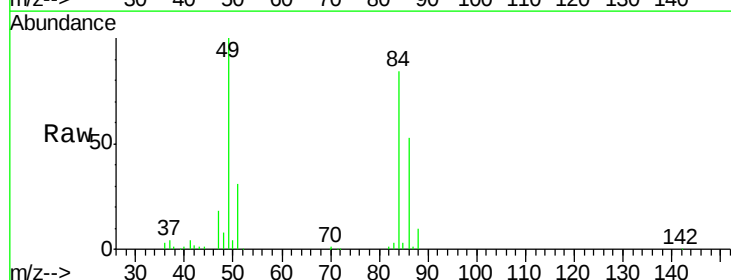
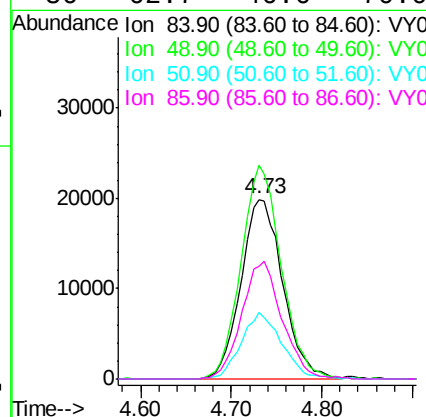
Manual Integrations
APPROVED

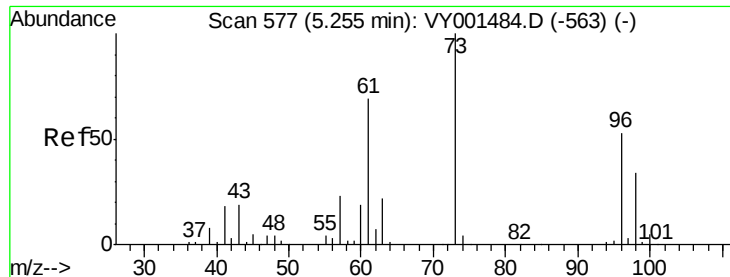
MMDadoda
2/5/2020 12:23:56 PM



#20
Methylene Chloride
Concen: 20.047 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion: 84 Resp: 63602
Ion Ratio Lower Upper
84 100
49 118.8 89.0 133.6
51 36.7 27.4 41.2
86 62.7 46.6 70.0





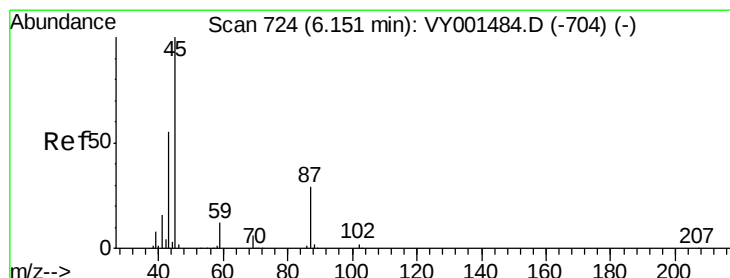
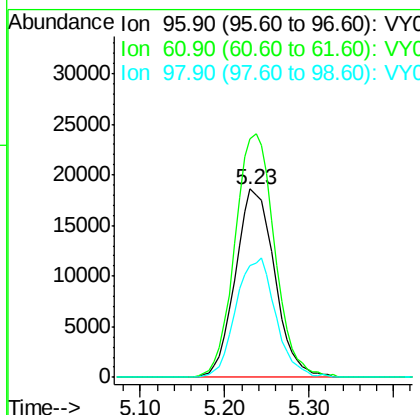
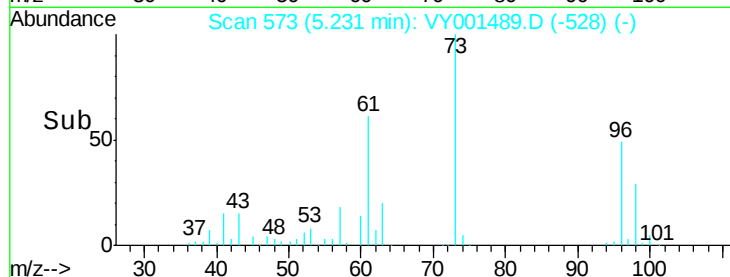
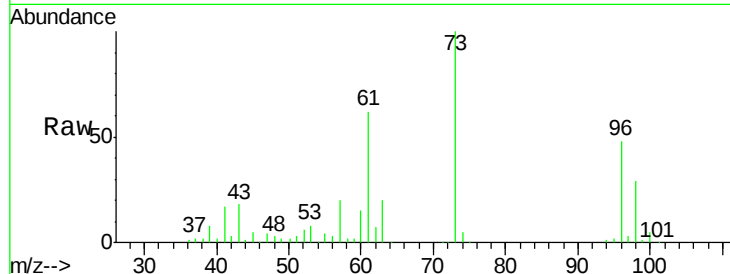
#21
trans-1,2-Dichloroethene
Concen: 20.697 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.02 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.0	104.2	156.4
98	59.7	51.4	77.0

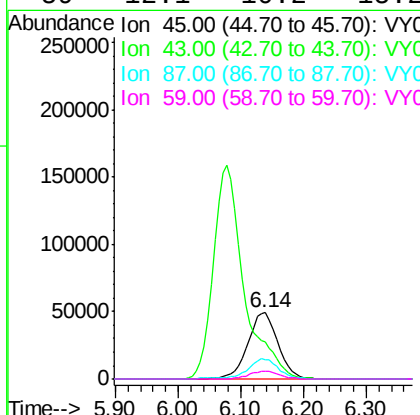
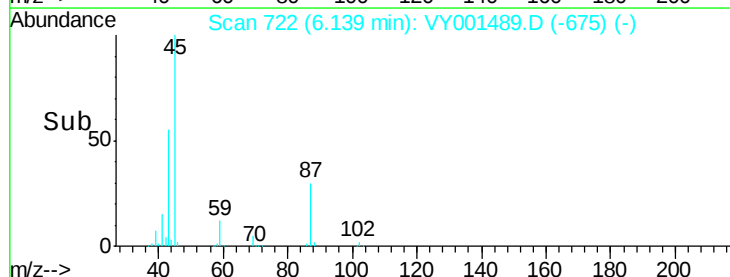
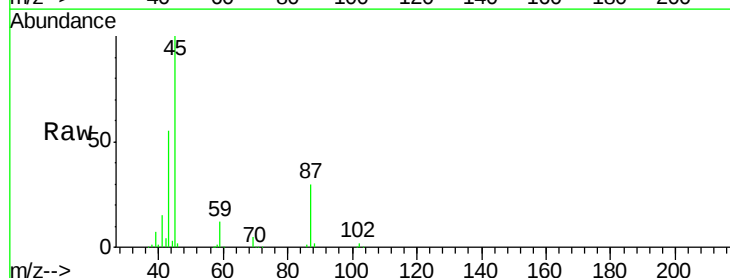
Manual Integrations
APPROVED

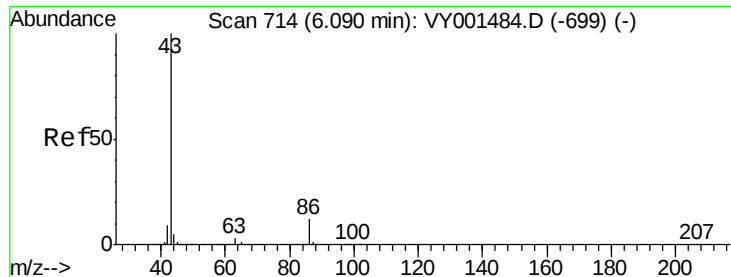
MMDadoda
2/5/2020 12:23:56 PM



#22
Diisopropyl ether
Concen: 21.156 ug/l
RT: 6.14 min Scan# 722
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.0	44.2	66.4
87	29.7	23.9	35.9
59	12.1	10.2	15.2





#23

Vinyl Acetate

Concen: 108.127 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion: 43 Resp: 534692

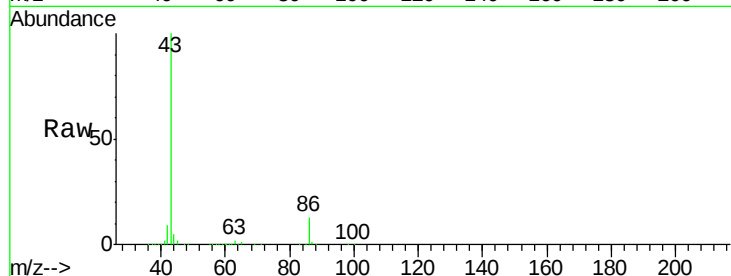
Ion Ratio Lower Upper

43 100

86 12.5 9.8 14.8

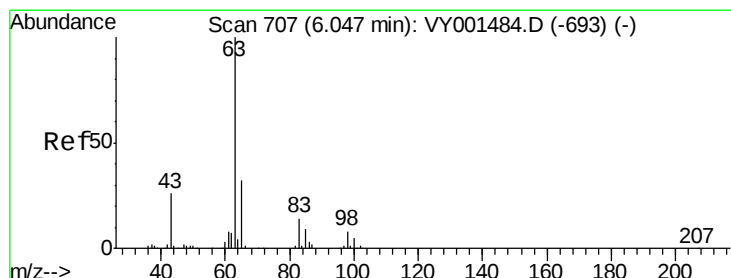
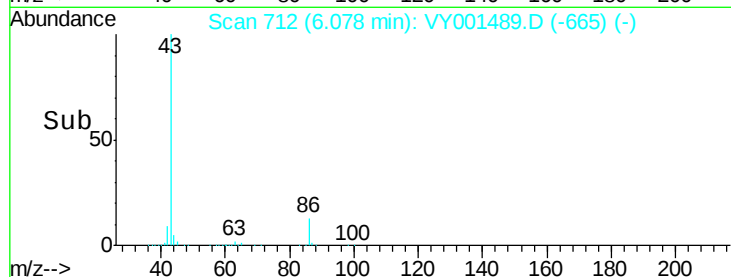
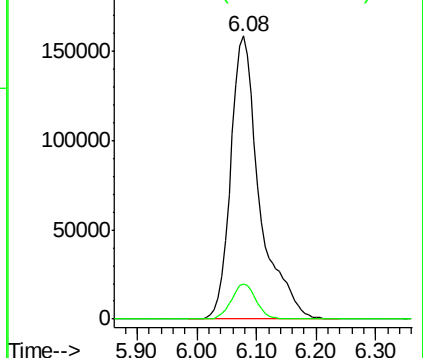
Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:56 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: 20.780 ug/l

RT: 6.04 min Scan# 705

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

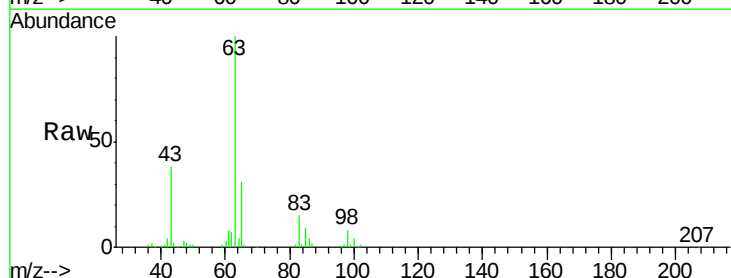
Tgt Ion: 63 Resp: 97093

Ion Ratio Lower Upper

63 100

98 8.2 4.0 11.9

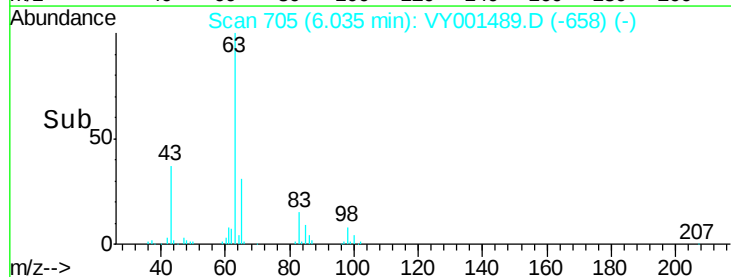
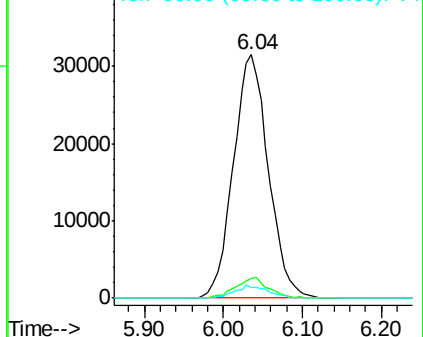
100 4.2 2.6 8.0

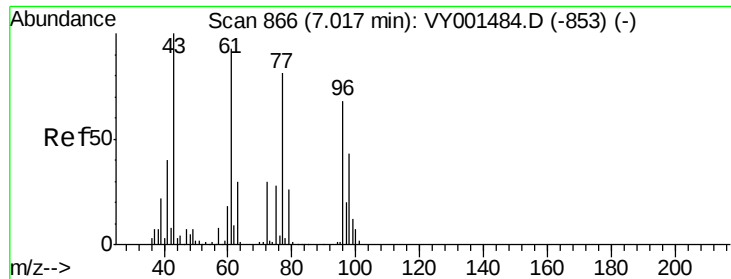


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 109.776 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampled :

VY0204SBS01

Tot Ion: 43 Resp: 101115

Ion Ratio Lower Upper

43 100

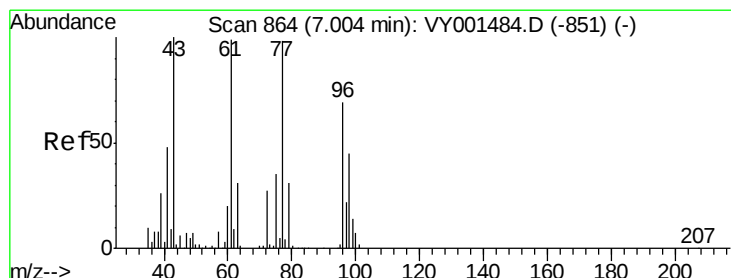
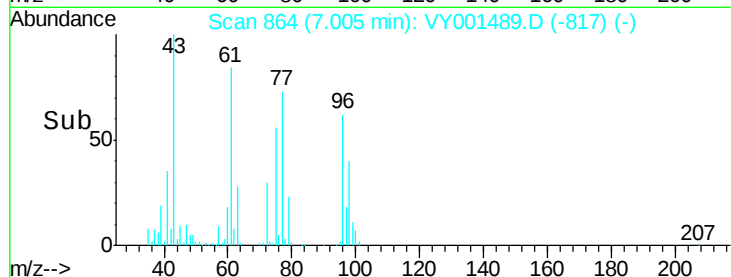
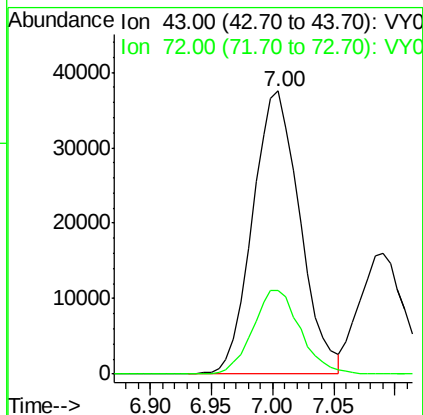
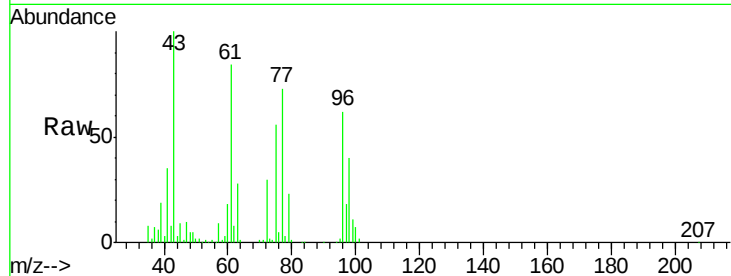
72 29.6 23.8 35.8

Manual Integrations

APPROVED

MMDadoda

2/5/2020 12:23:56 PM



#26

2,2-Dichloropropane

Concen: 20.341 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY001489.D

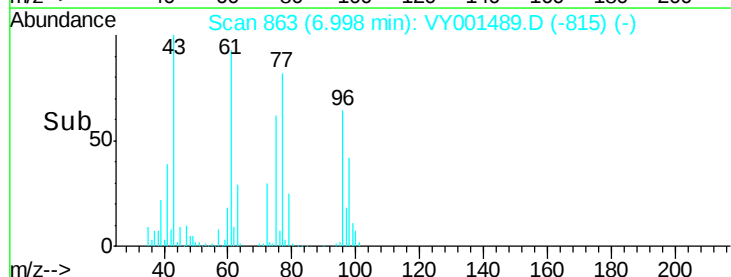
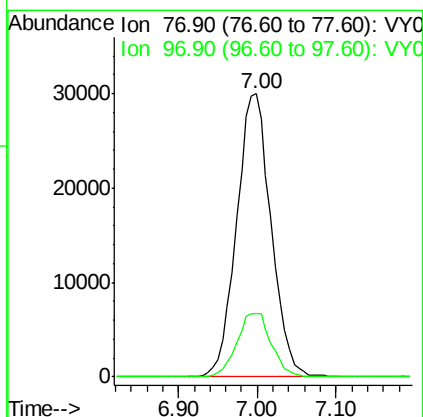
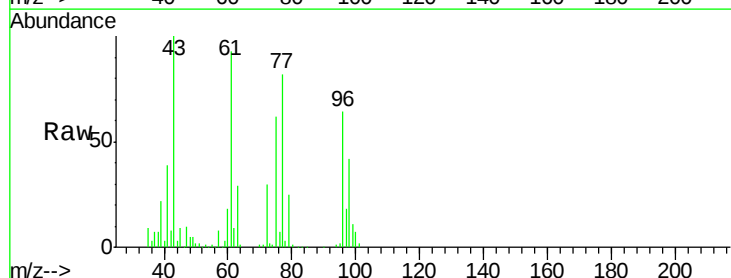
Acq: 04 Feb 2020 16:15

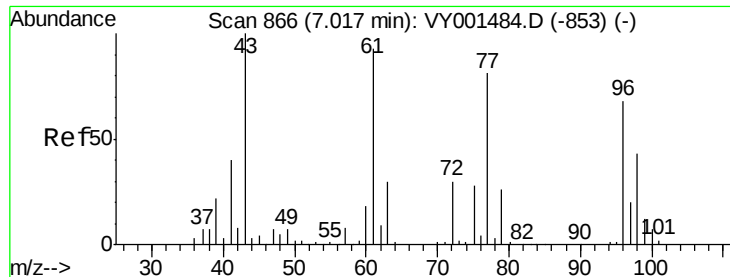
Tgt Ion: 77 Resp: 90962

Ion Ratio Lower Upper

77 100

97 22.5 11.7 35.0





#27

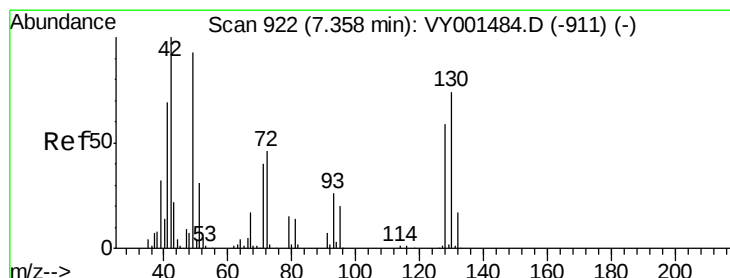
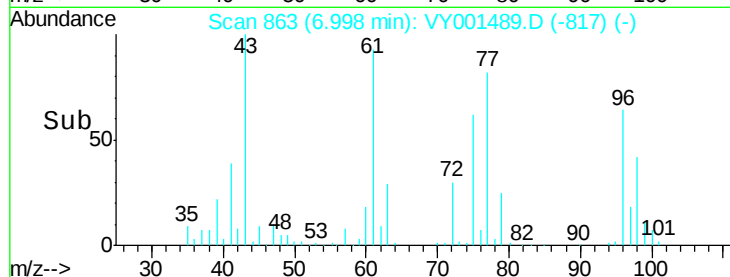
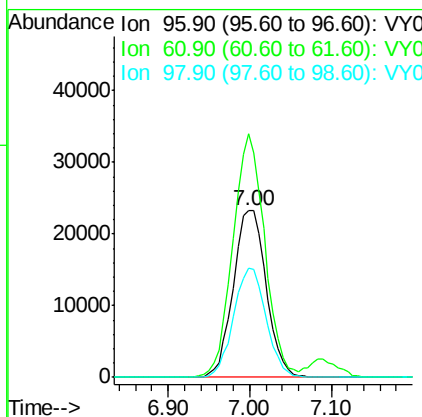
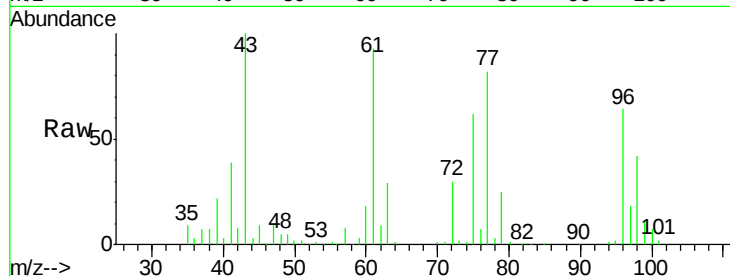
cis-1,2-Dichloroethene
Concen: 20.965 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.02 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.5	0.0	278.8
98	64.4	0.0	128.8

Manual Integrations
APPROVED

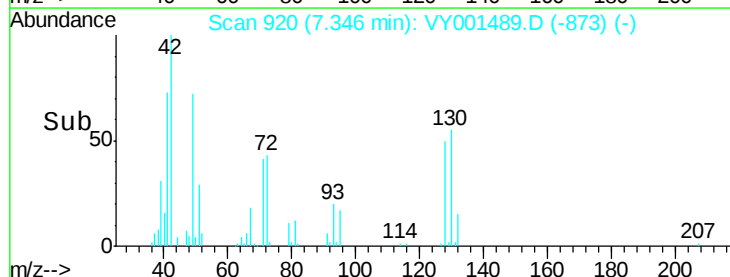
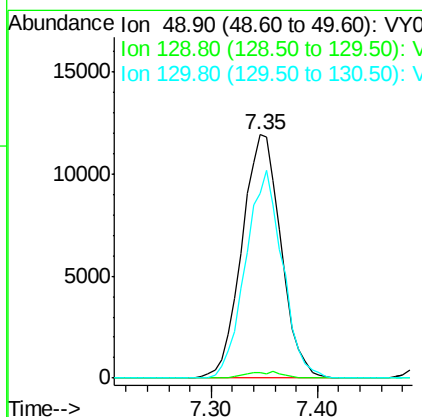
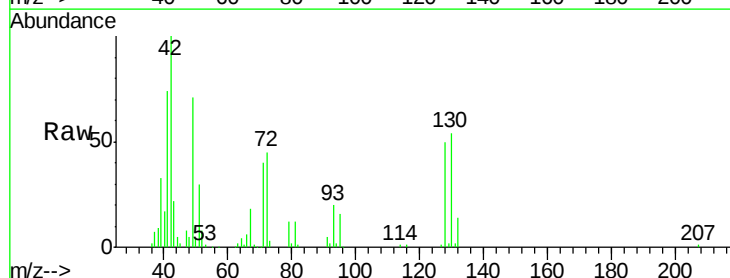
MMDadoda
2/5/2020 12:23:56 PM

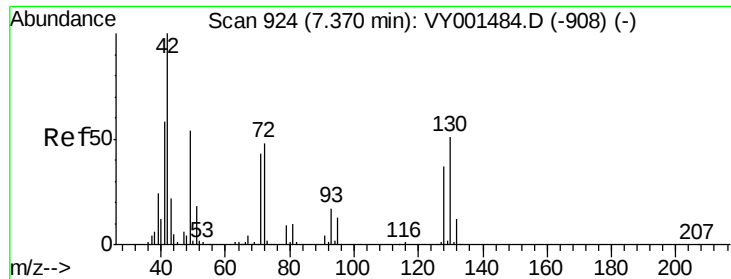


#28

Bromochloromethane
Concen: 19.305 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	80.7	65.4	98.2





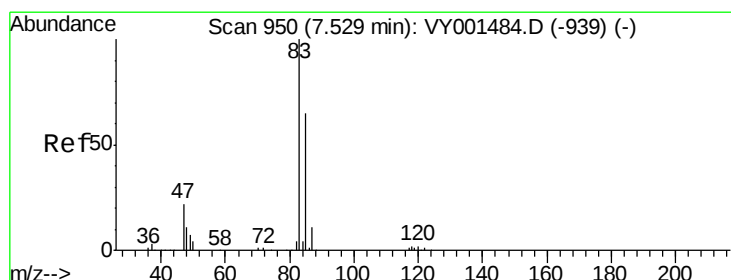
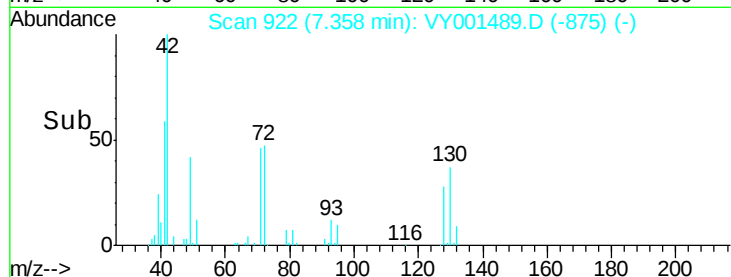
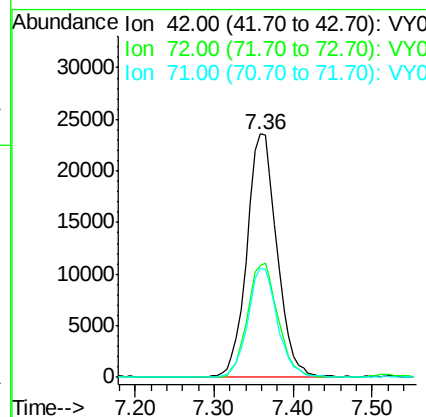
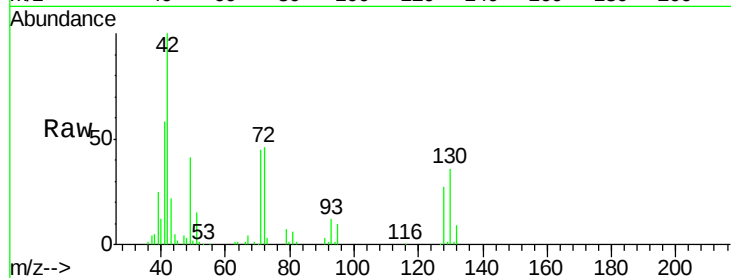
#29
Tetrahydrofuran
Concen: 113.705 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	44.0	34.8	52.2

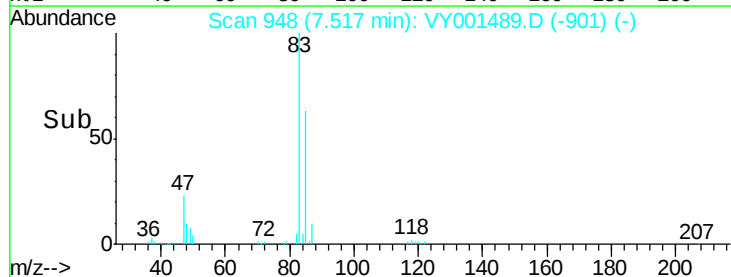
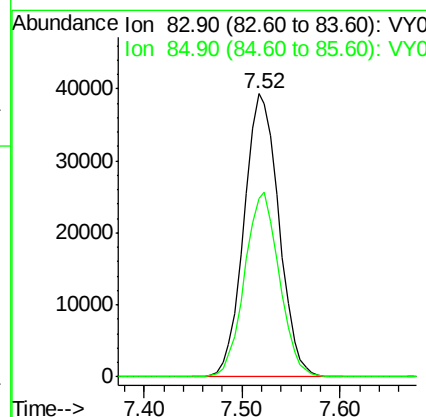
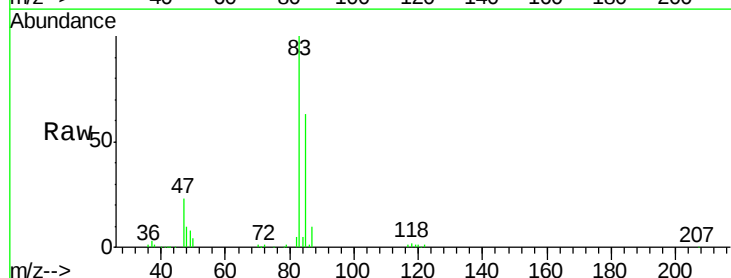
Manual Integrations
APPROVED

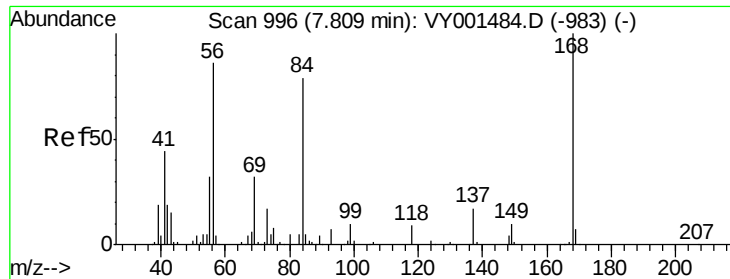
MMDadoda
2/5/2020 12:23:56 PM



#30
Chloroform
Concen: 20.553 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.4	78.6





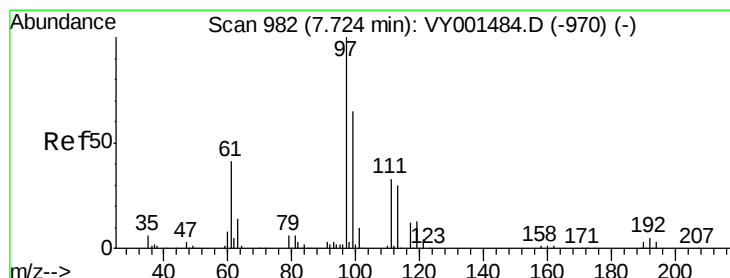
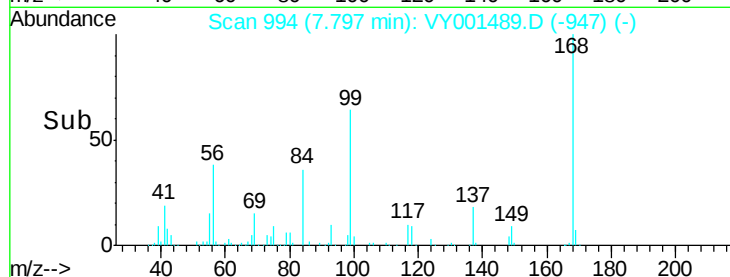
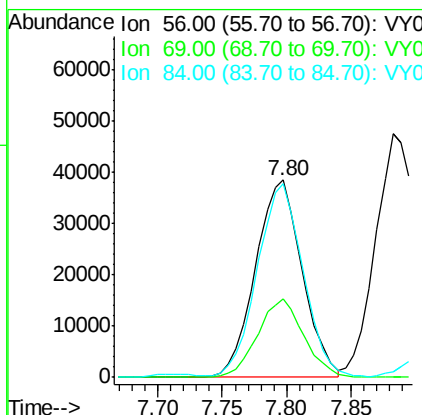
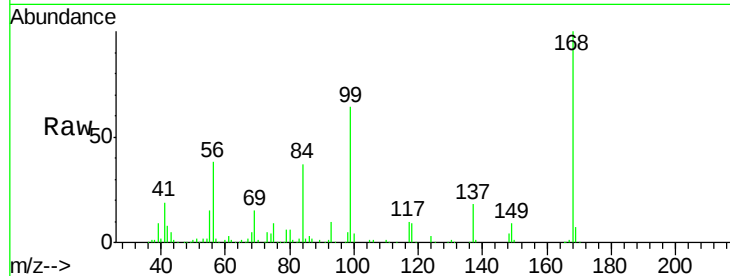
#31
Cyclohexane
Concen: 20.184 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	96470		
69	39.8		29.6	44.4
84	96.9		73.6	110.4

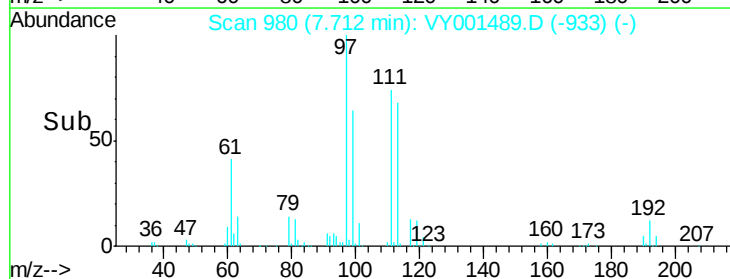
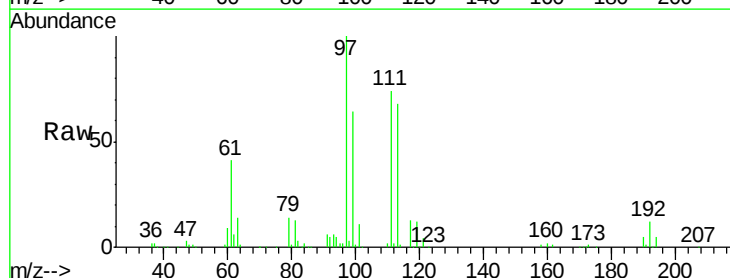
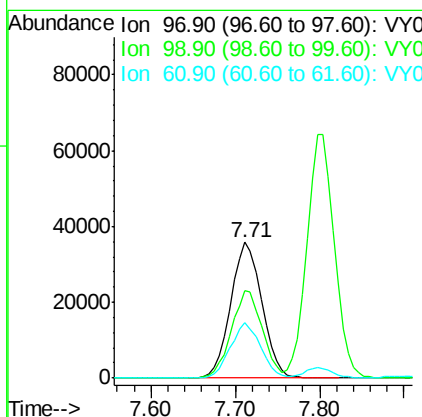
Manual Integrations
APPROVED

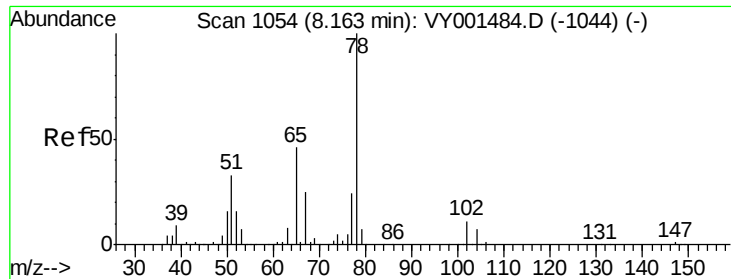
MMDadoda
2/5/2020 12:23:56 PM



#32
1,1,1-Trichloroethane
Concen: 20.912 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	89733		
99	63.4		51.8	77.8
61	39.9		32.5	48.7





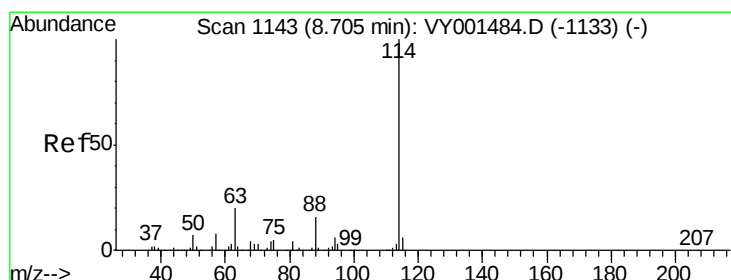
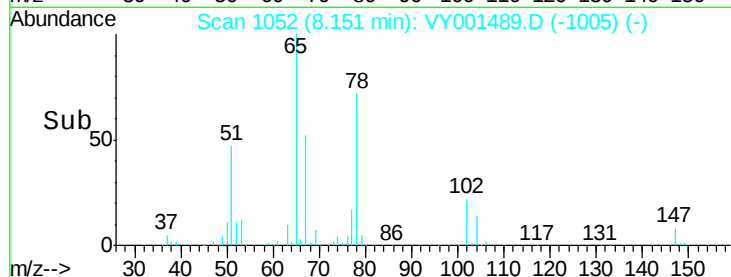
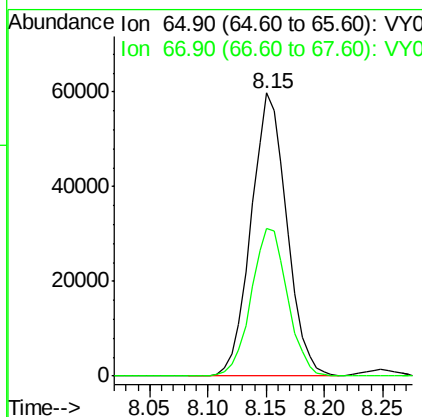
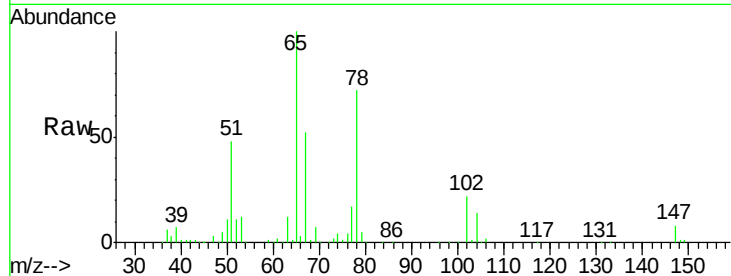
#33
 1,2-Dichloroethane-d4
 Concen: 52.054 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127767		
67	53.0	0.0	108.6	

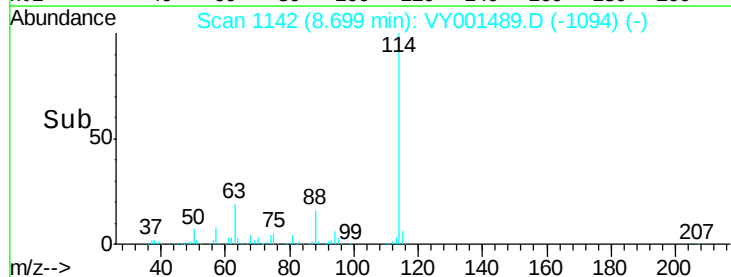
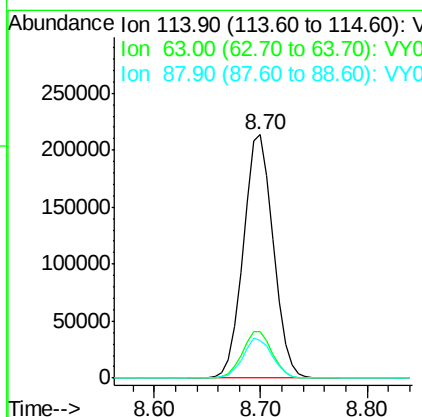
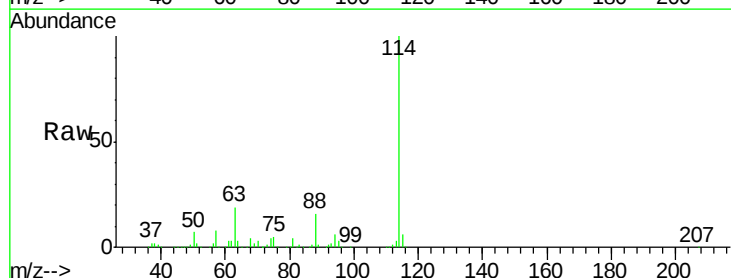
Manual Integrations
 APPROVED

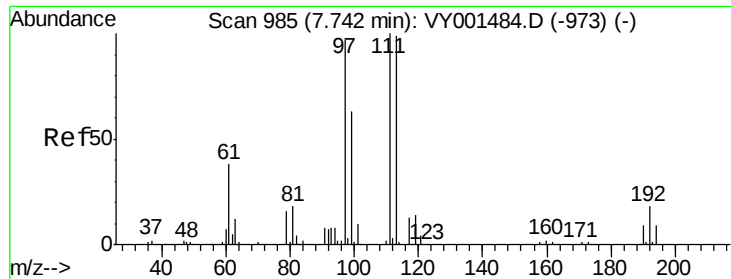
MMDadoda
 2/5/2020 12:23:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	421003		
63	19.0	0.0	39.8	
88	15.5	0.0	32.6	





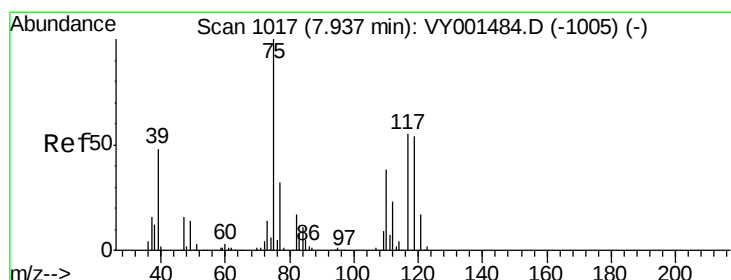
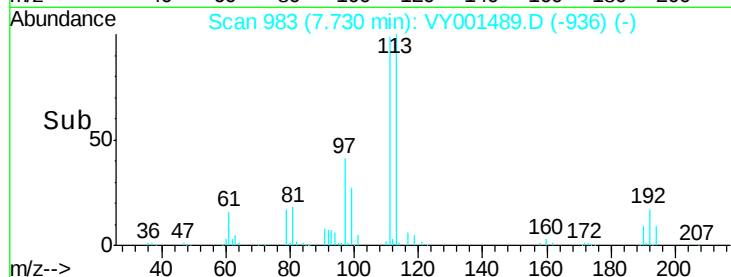
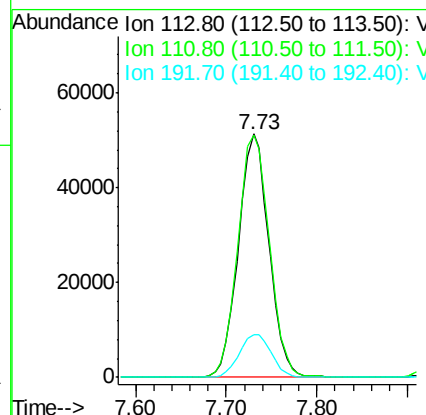
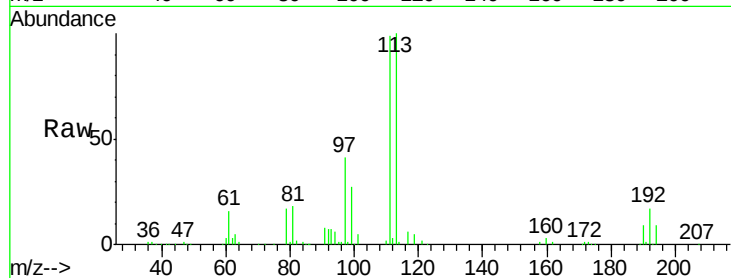
#35
Dibromofluoromethane
Concen: 49.588 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	120384		
111	102.8	82.9	124.3	
192	18.4	14.6	22.0	

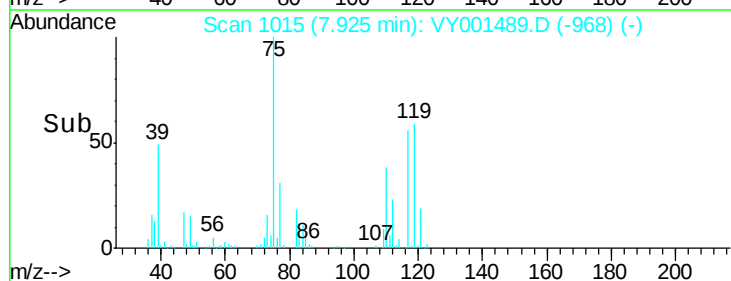
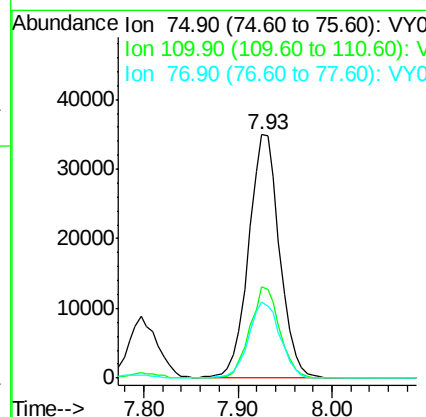
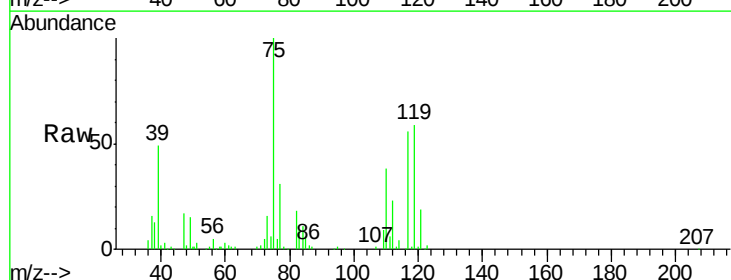
Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:56 PM



#36
1,1-Dichloropropene
Concen: 20.901 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80498		
110	36.1	18.2	54.6	
77	31.9	25.0	37.4	





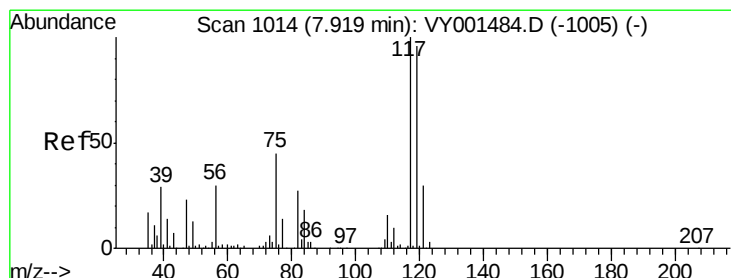
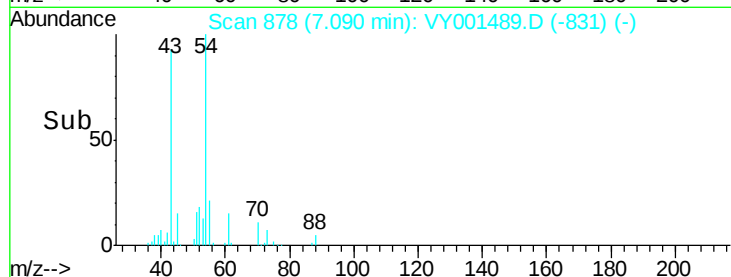
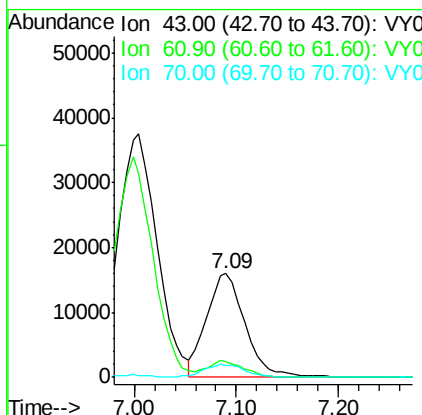
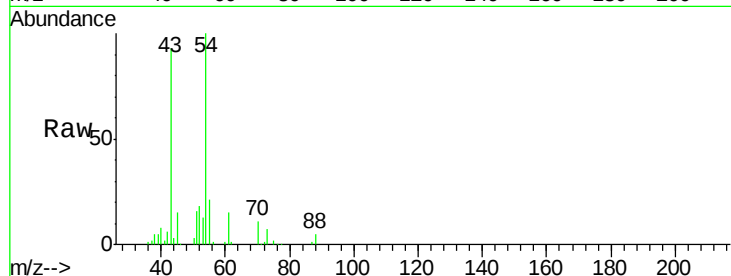
#37
Ethyl Acetate
Concen: 22.661 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.0	18.0
70	12.9	10.2	15.4

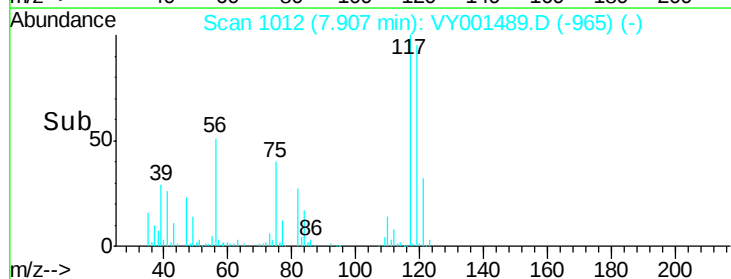
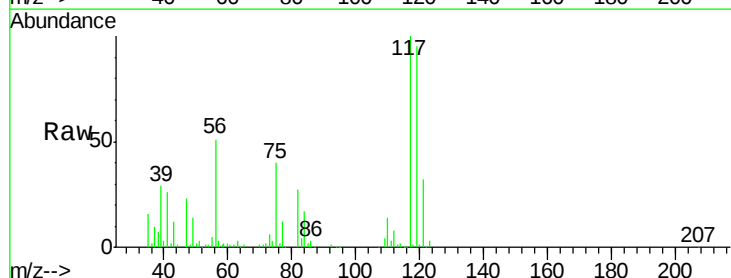
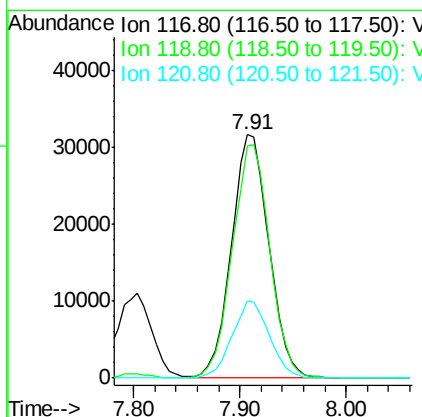
Manual Integrations
APPROVED

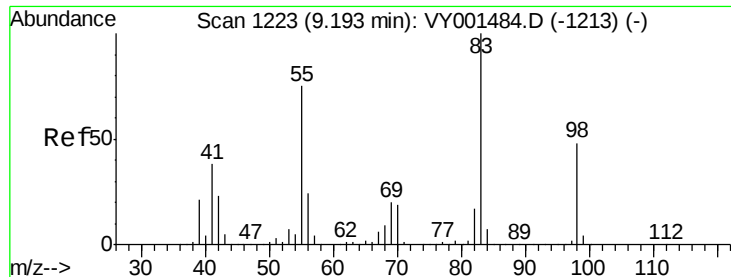
MMDadoda
2/5/2020 12:23:56 PM



#38
Carbon Tetrachloride
Concen: 20.978 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.4	114.6
121	31.5	24.2	36.4





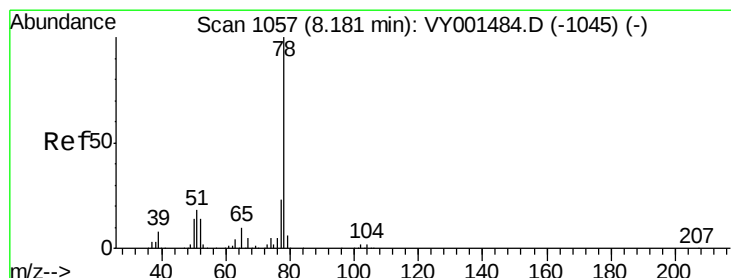
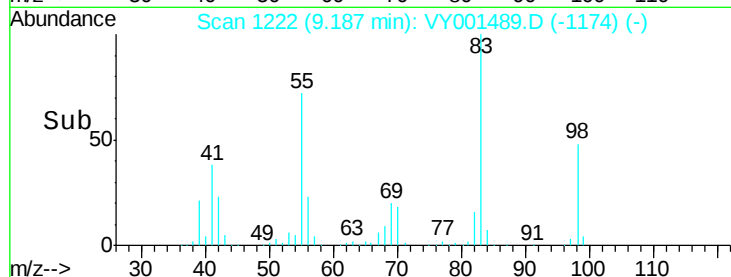
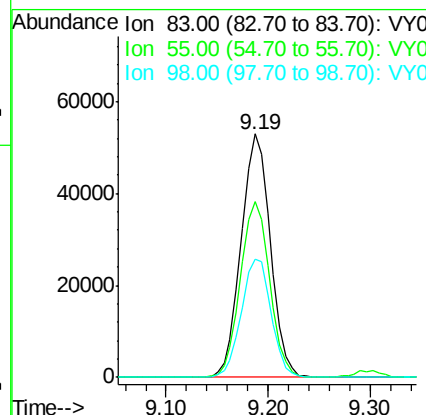
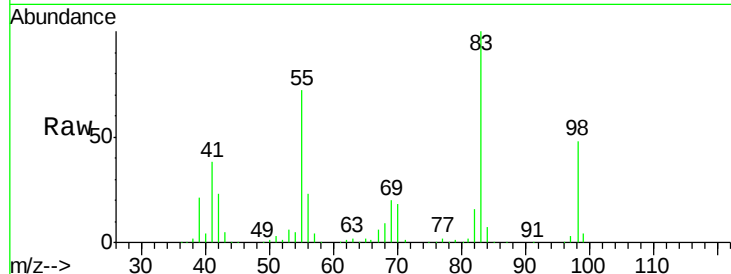
#39
Methvlcvclohexane
Concen: 20.800 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	59.8	89.6
98	48.5	38.6	57.8

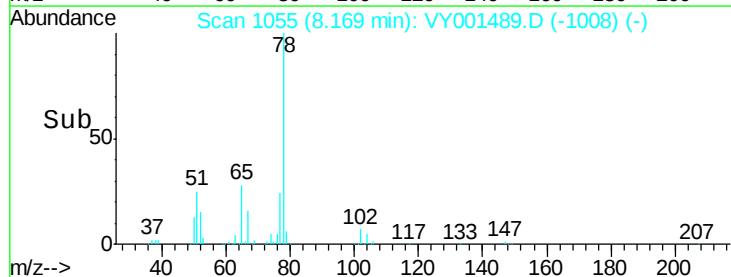
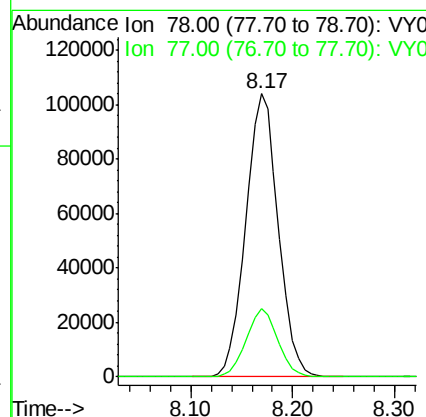
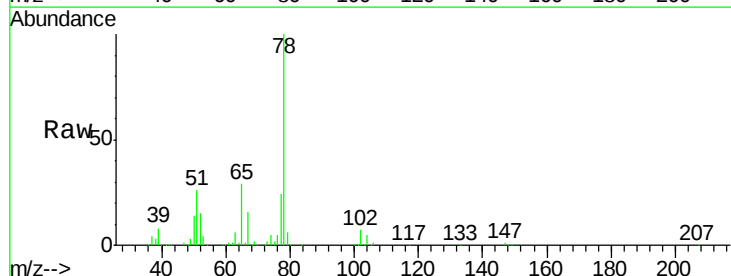
Manual Integrations
APPROVED

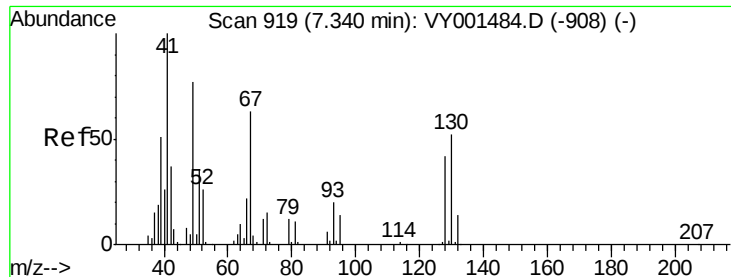
MMDadoda
2/5/2020 12:23:56 PM



#40
Benzene
Concen: 20.885 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.5	27.7





#41

Methacrylonitrile

Concen: 24.621 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion: 41 Resp: 21275

Ion Ratio Lower Upper

41 100

39 0.0 116.8 175.2#

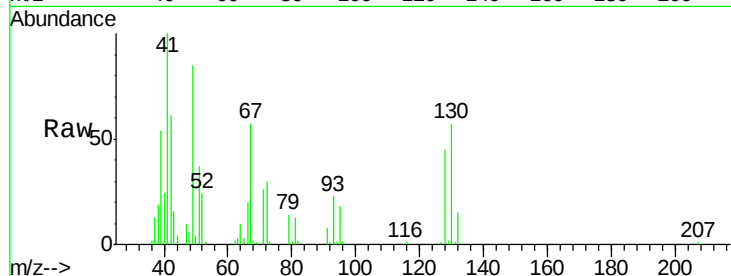
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

2/5/2020 12:23:56 PM

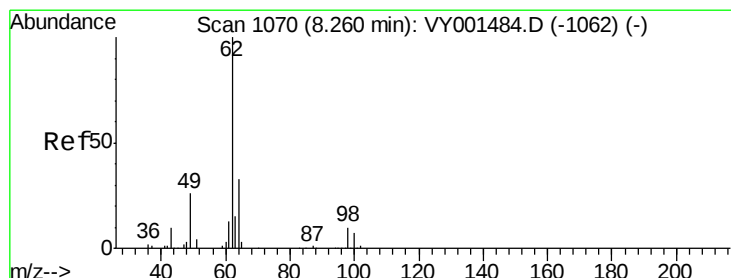
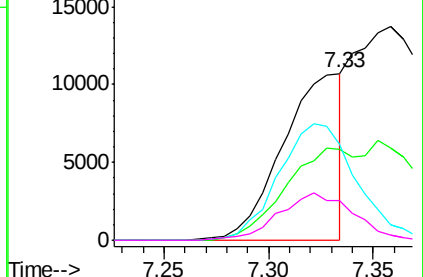
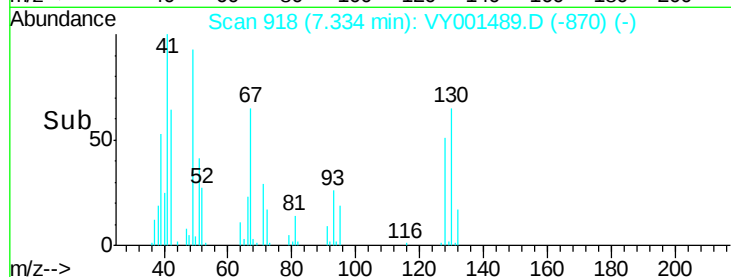


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 21.415 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VY001489.D

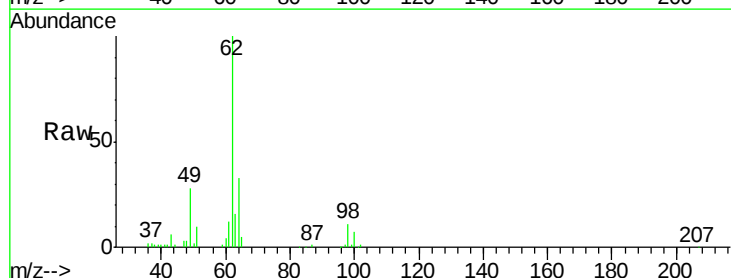
Acq: 04 Feb 2020 16:15

Tgt Ion: 62 Resp: 65542

Ion Ratio Lower Upper

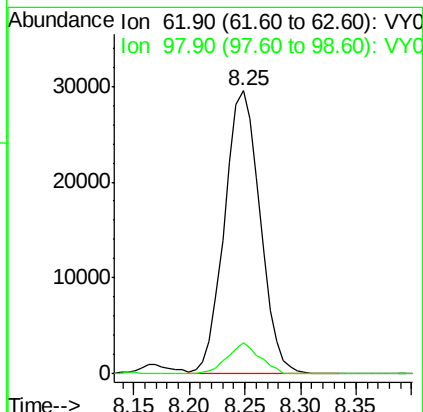
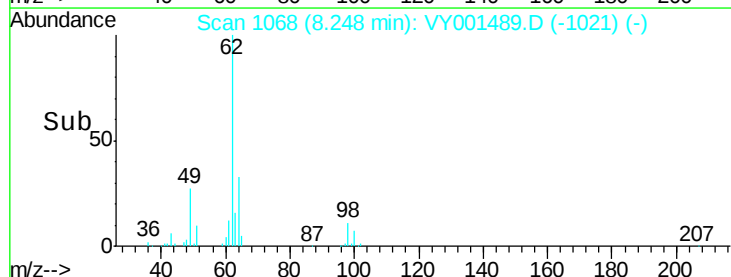
62 100

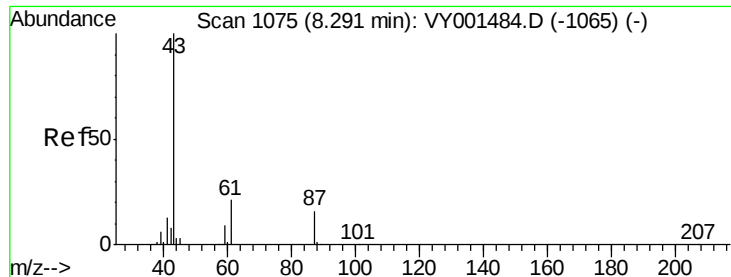
98 10.0 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

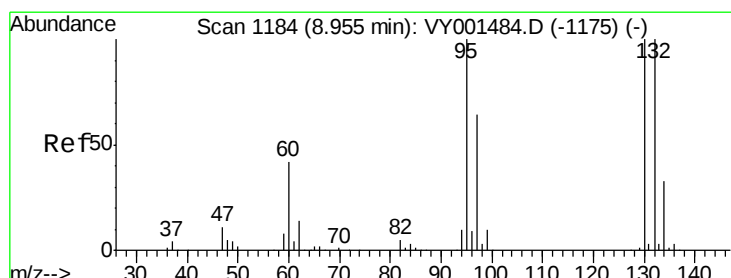
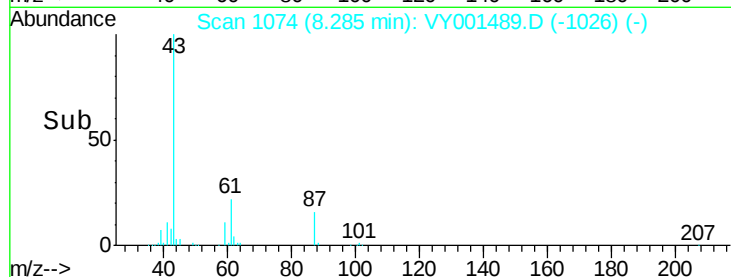
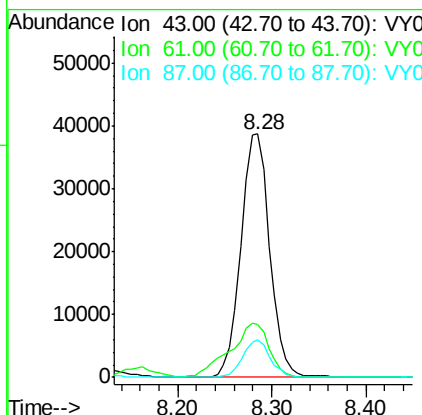
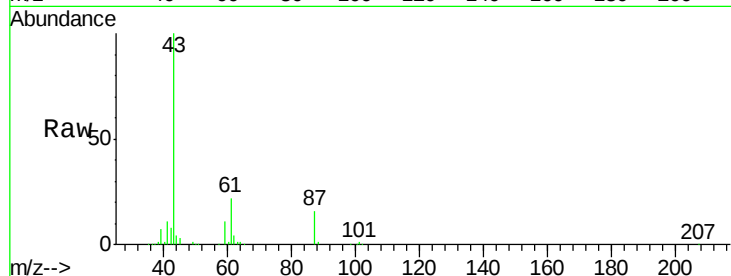
Isopropyl Acetate
 Concen: 22.495 ug/l
 RT: 8.28 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.2	25.1	37.7
87	14.7	12.6	19.0

Manual Integrations
 APPROVED

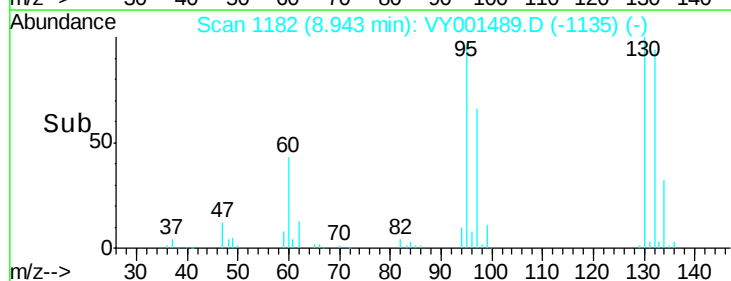
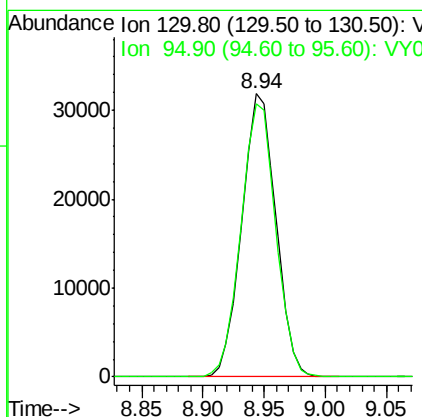
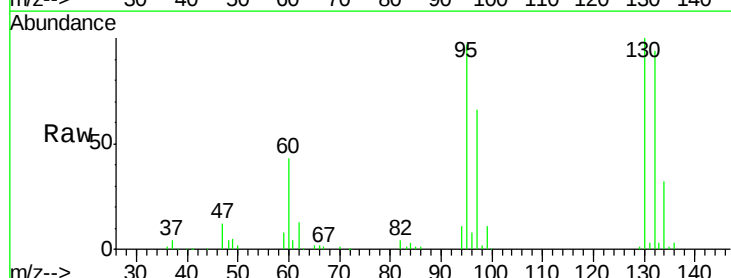
MMDadoda
 2/5/2020 12:23:56 PM

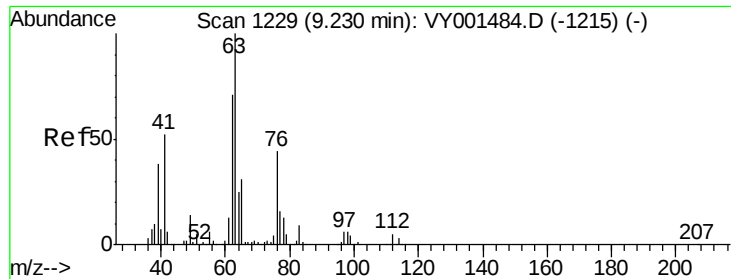


#44

Trichloroethene
 Concen: 20.857 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	199.2





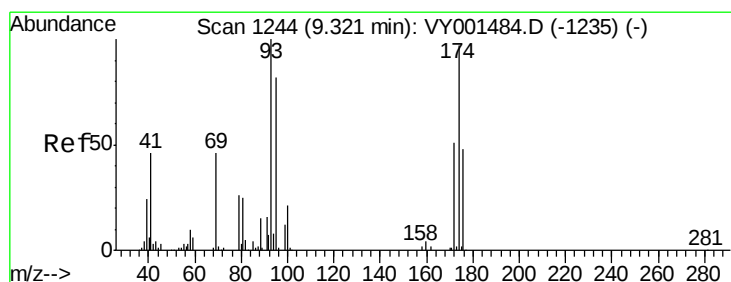
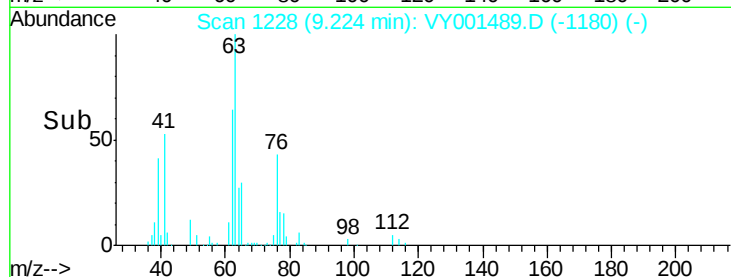
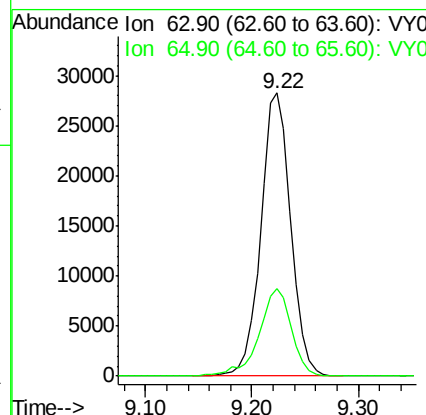
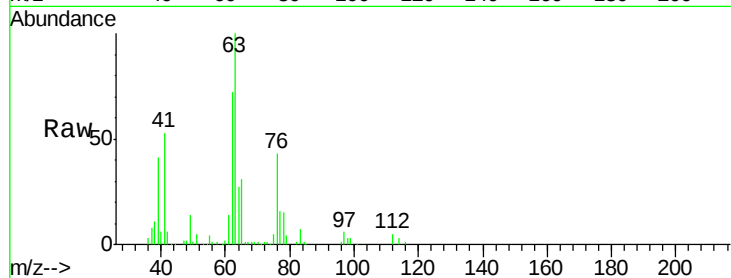
#45
 1,2-Dichloropropane
 Concen: 20.882 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.0	37.4

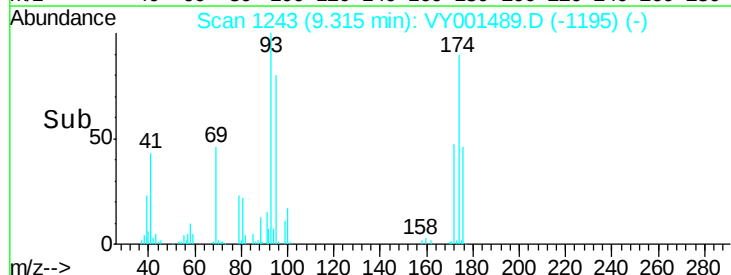
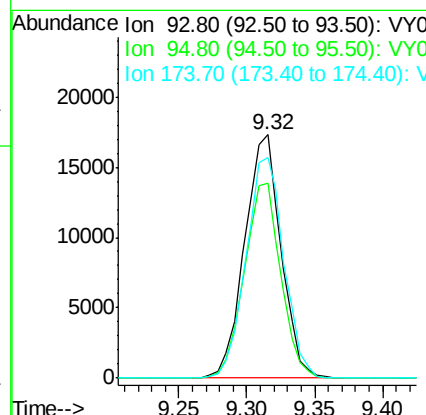
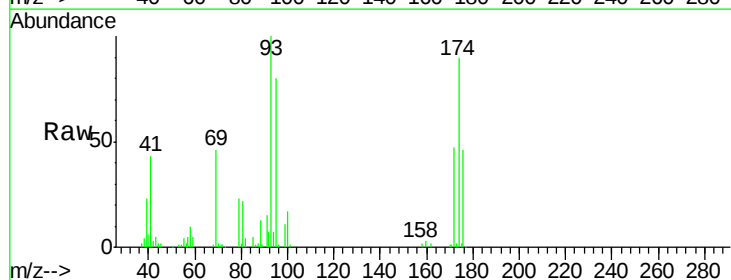
Manual Integrations
 APPROVED

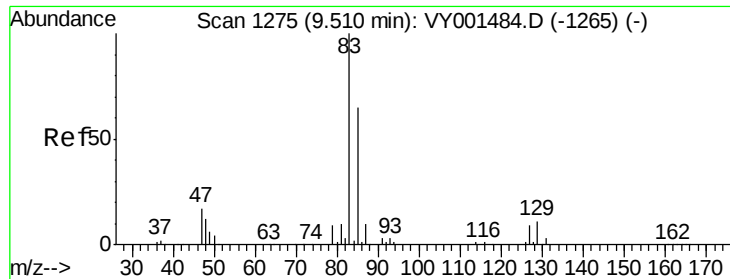
MMDadoda
 2/5/2020 12:23:56 PM



#46
 Dibromomethane
 Concen: 21.706 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.4	66.6	99.8
174	94.3	75.4	113.2





#47

Bromodichloromethane

Concen: 21.137 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

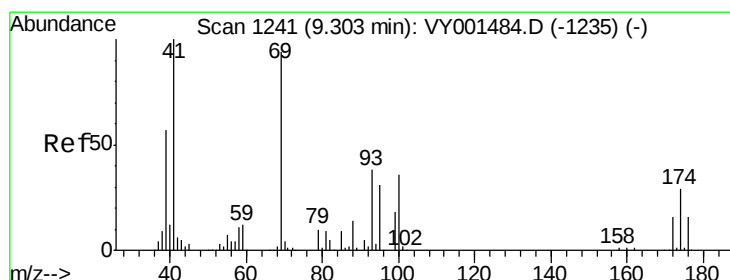
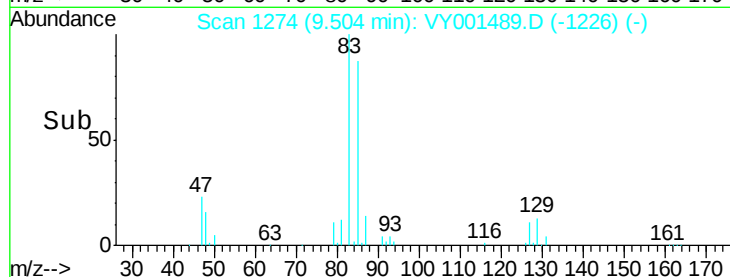
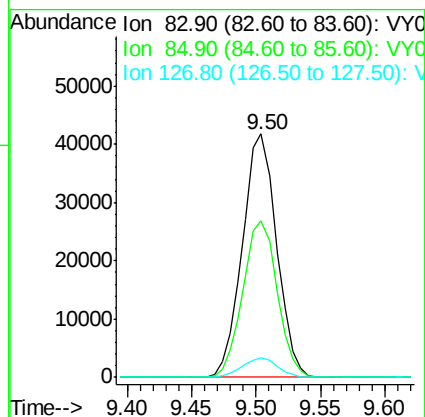
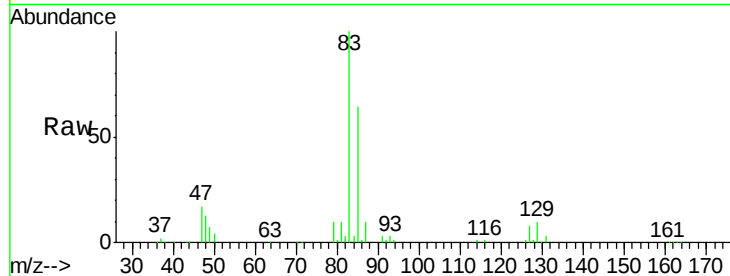
ClientSampleId :

VY0204SBS01

Tot Ion:	83	Resp:	76712
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.9	77.9
127	8.1	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:56 PM



#48

Methyl methacrylate

Concen: 21.869 ug/l

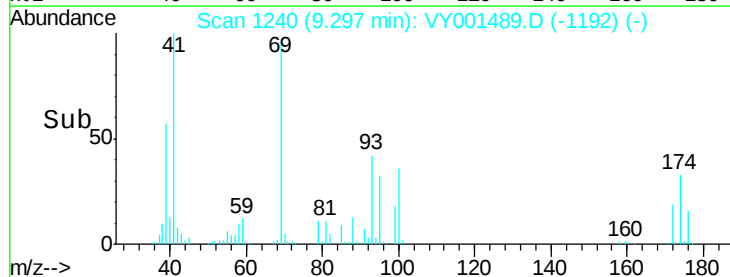
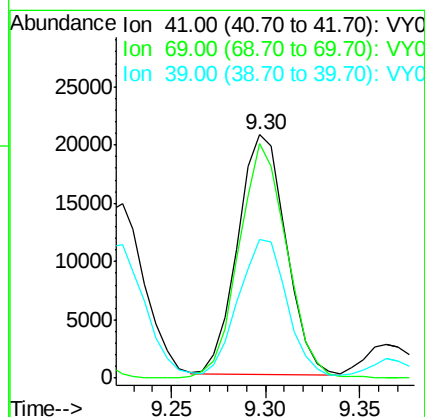
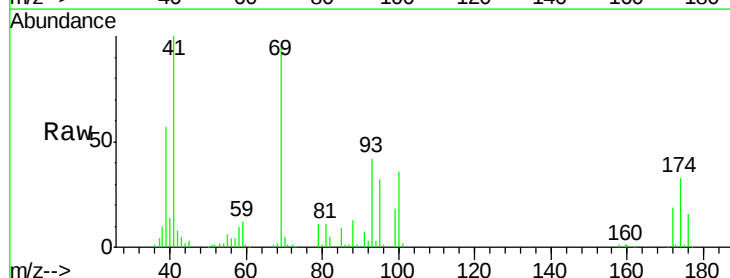
RT: 9.30 min Scan# 1240

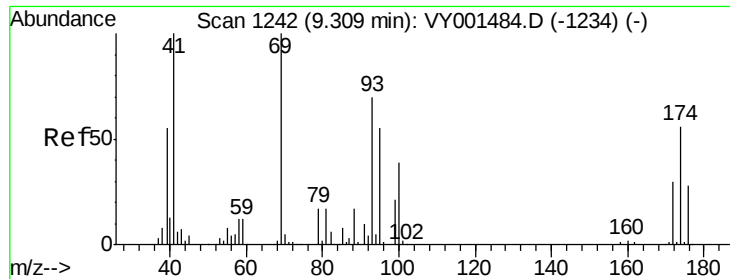
Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Tgt Ion:	41	Resp:	36640
Ion Ratio	Lower	Upper	
41	100		
69	96.6	76.6	114.8
39	59.0	45.4	68.0





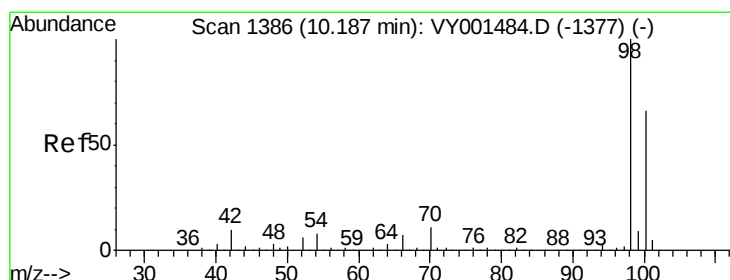
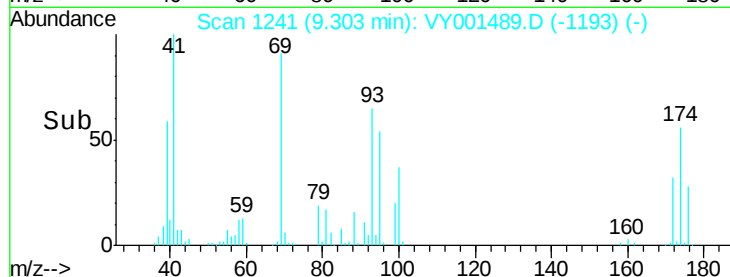
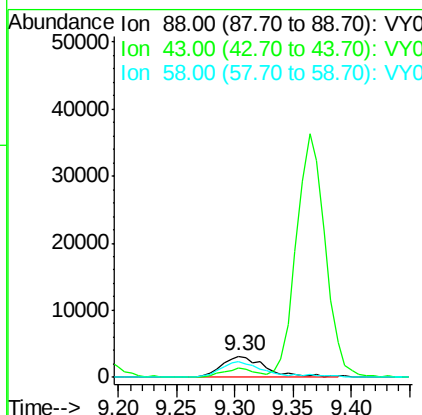
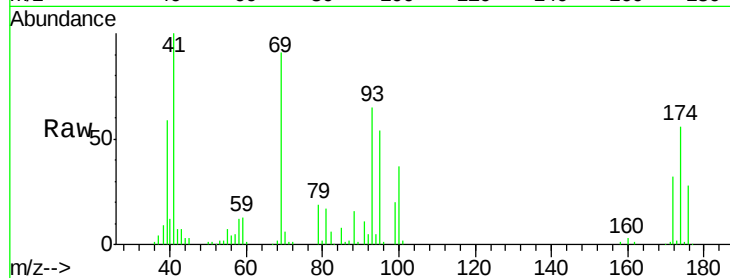
#49
1,4-Dioxane
Concen: 425.379 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	88	Resp	8368
Ion	Ratio	Lower	Upper
88	100		
43	30.6	24.8	37.2
58	76.6	59.3	88.9

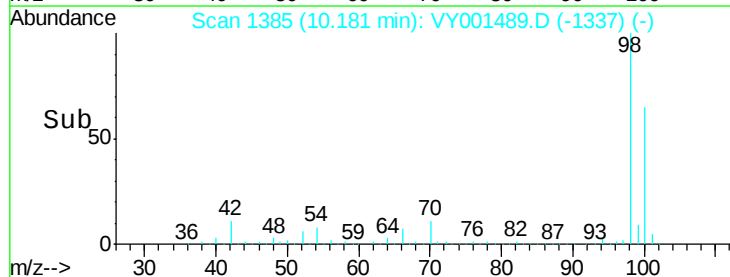
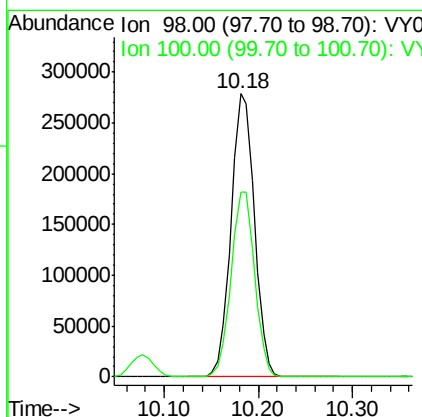
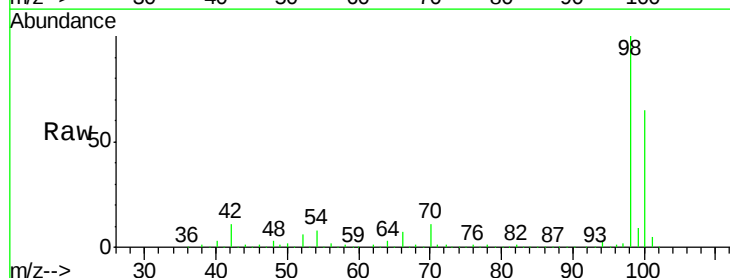
Manual Integrations
APPROVED

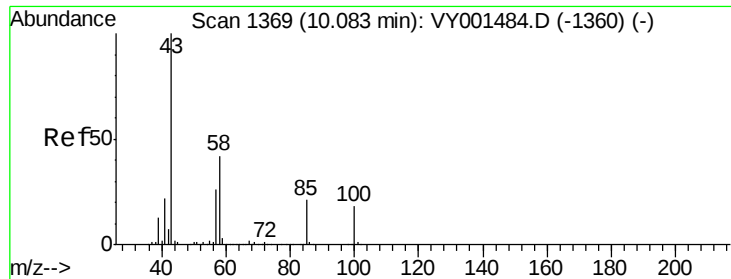
MMDadoda
2/5/2020 12:23:56 PM



#50
Toluene-d8
Concen: 52.159 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	98	Resp	479082
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 114.892 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampled :

VY0204SBS01

Tot Ion: 43 Resp: 208869

Ion Ratio Lower Upper

43 100

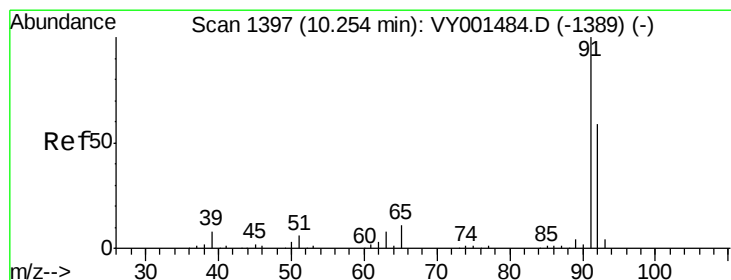
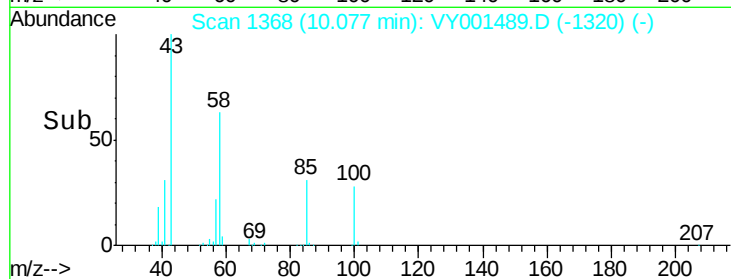
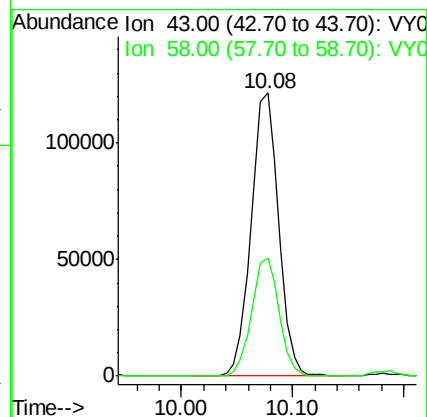
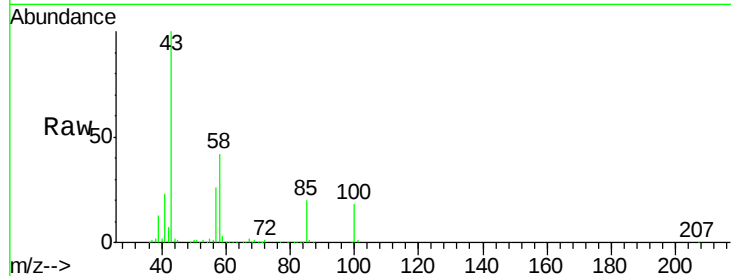
58 41.6 33.9 50.9

Manual Integrations

APPROVED

MMDadoda

2/5/2020 12:23:56 PM



#52

Toluene

Concen: 20.896 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001489.D

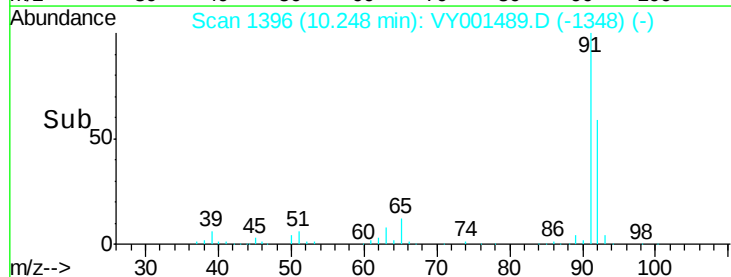
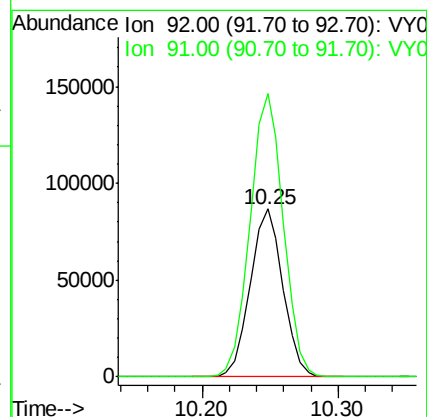
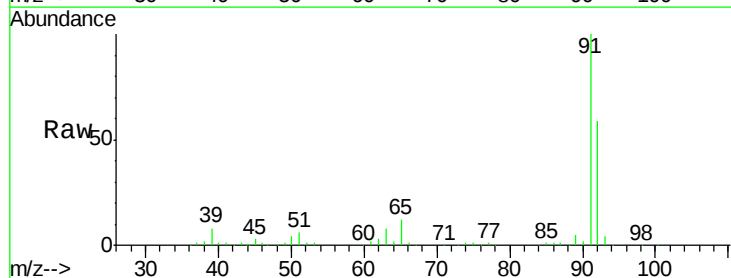
Acq: 04 Feb 2020 16:15

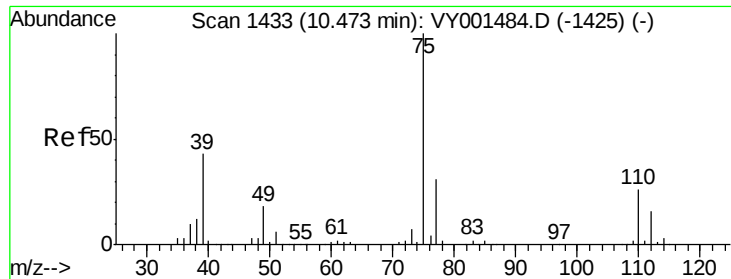
Tgt Ion: 92 Resp: 145648

Ion Ratio Lower Upper

92 100

91 171.7 136.6 204.8





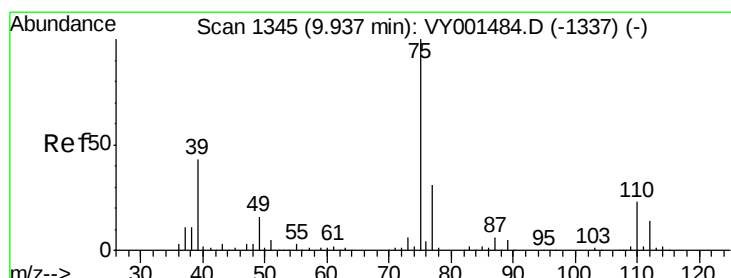
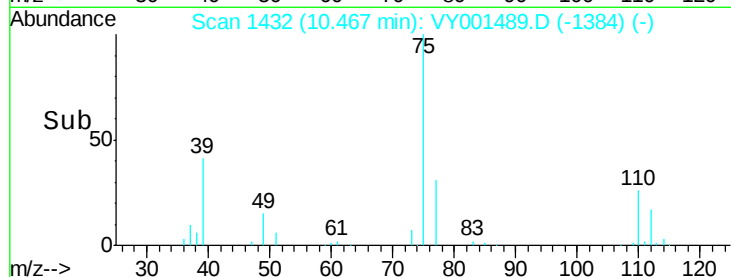
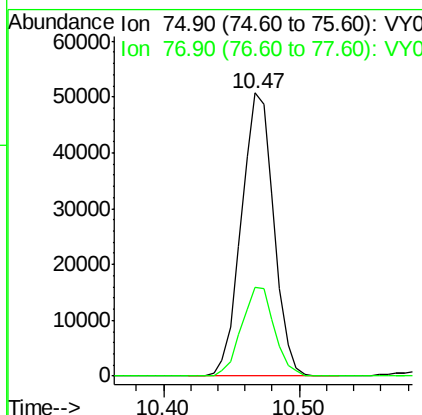
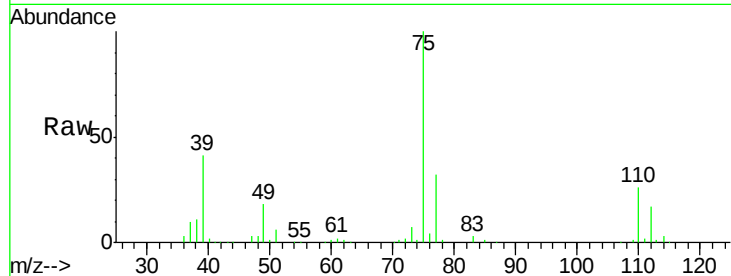
#53
t-1,3-Dichloropropene
Concen: 21.306 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion: 75 Resp: 84223
Ion Ratio Lower Upper
75 100
77 31.4 24.9 37.3

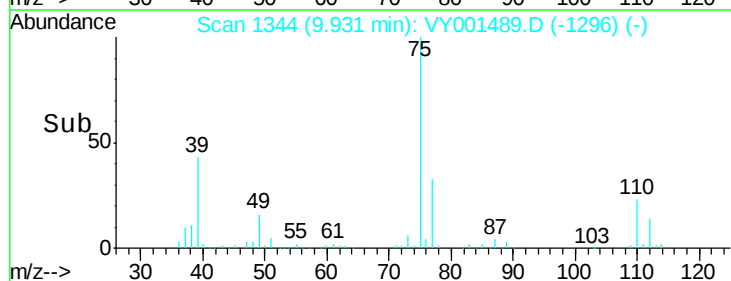
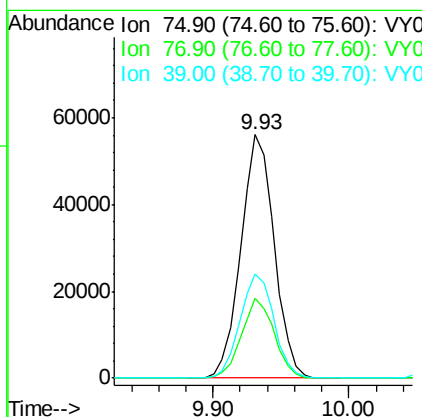
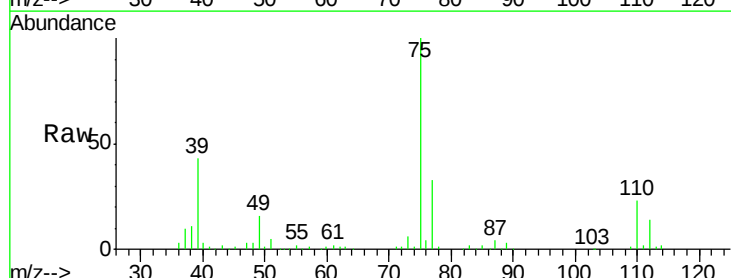
Manual Integrations
APPROVED

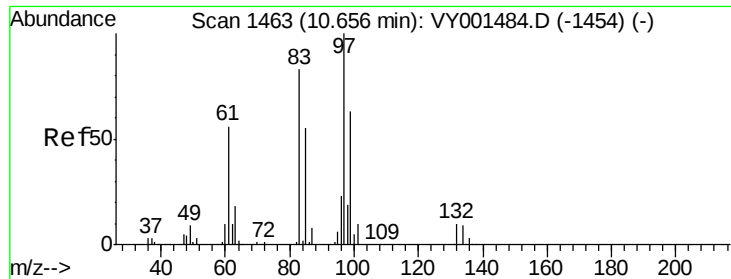
MMDadoda
2/5/2020 12:23:56 PM



#54
cis-1,3-Dichloropropene
Concen: 21.142 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion: 75 Resp: 95946
Ion Ratio Lower Upper
75 100
77 32.7 24.7 37.1
39 42.7 34.0 51.0





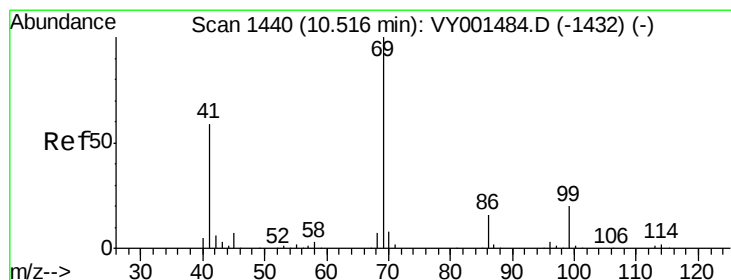
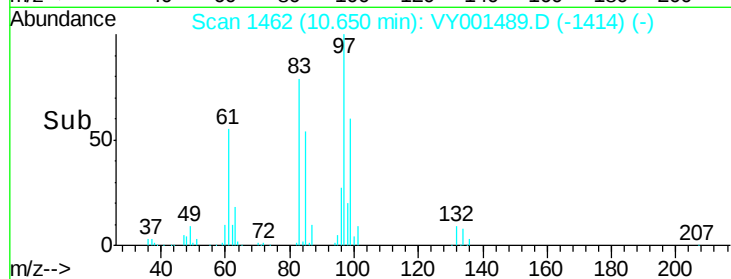
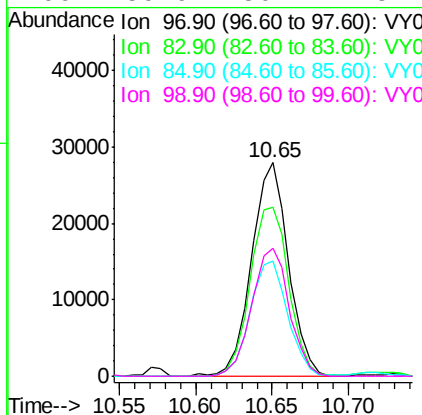
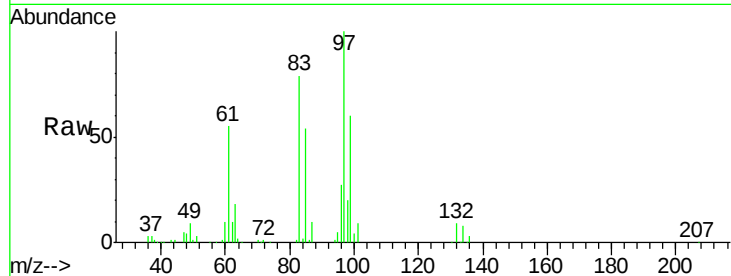
#55
 1,1,2-Trichloroethane
 Concen: 21.876 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	79.3	66.2	99.2
85	53.7	43.8	65.6
99	59.9	50.1	75.1

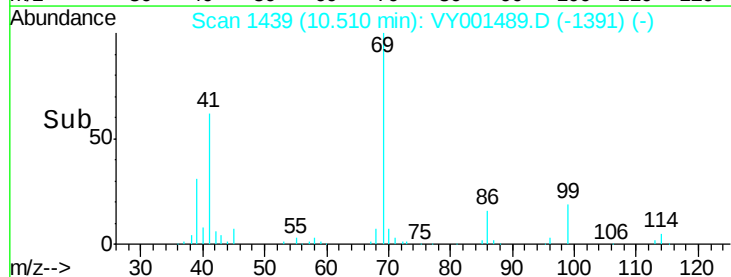
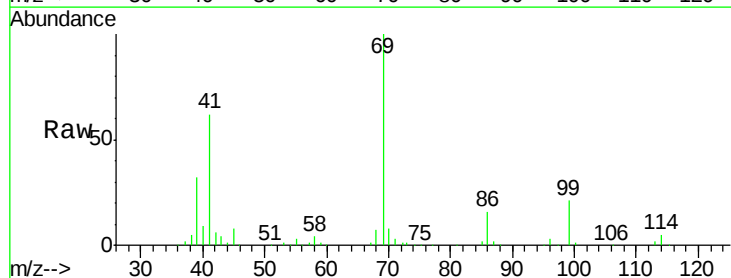
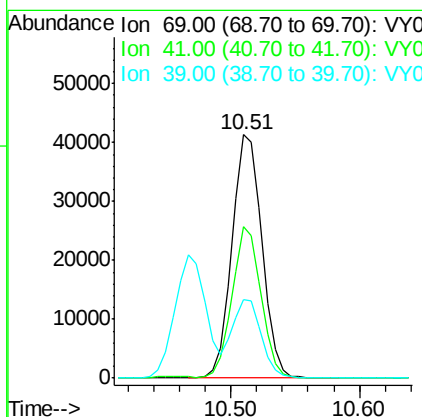
Manual Integrations
 APPROVED

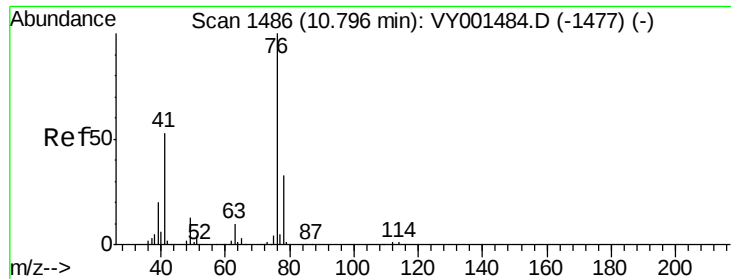
MMDadoda
 2/5/2020 12:23:56 PM



#56
 Ethyl methacrylate
 Concen: 21.964 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.4	47.8	71.8
39	31.7	24.4	36.6





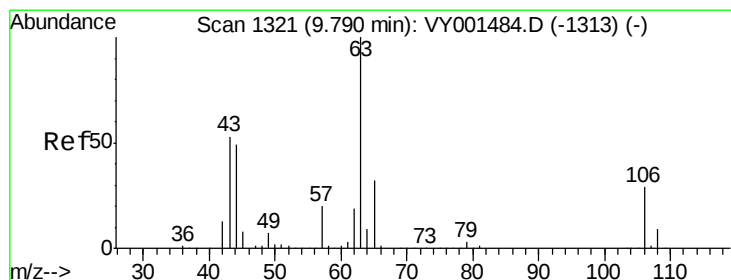
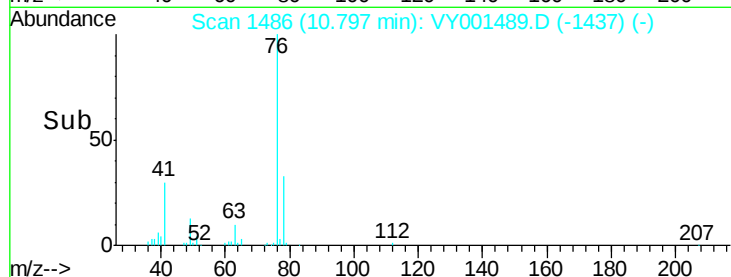
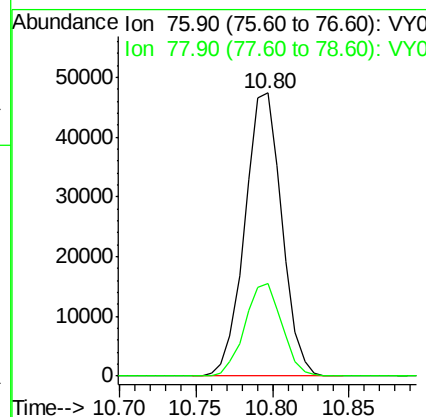
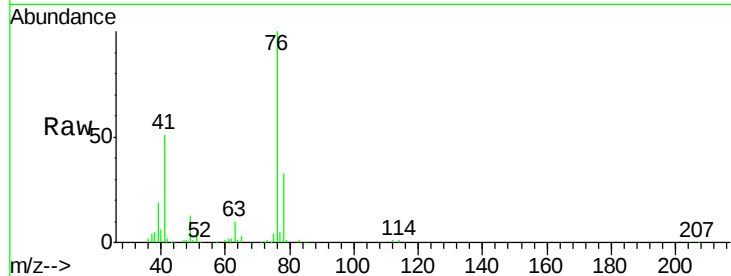
#57
 1,3-Dichloropropane
 Concen: 21.167 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion: 76 Resp: 79744
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5

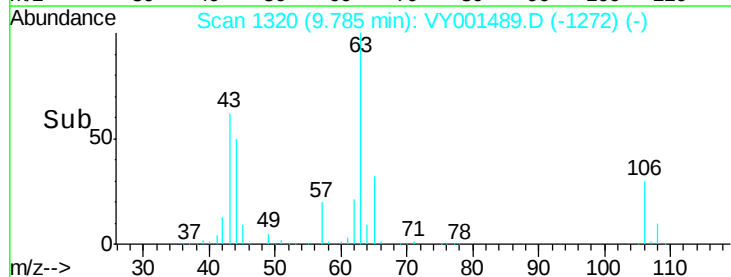
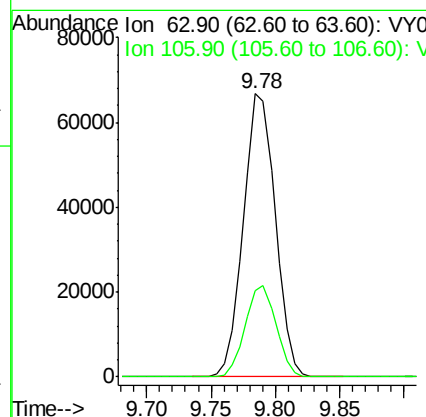
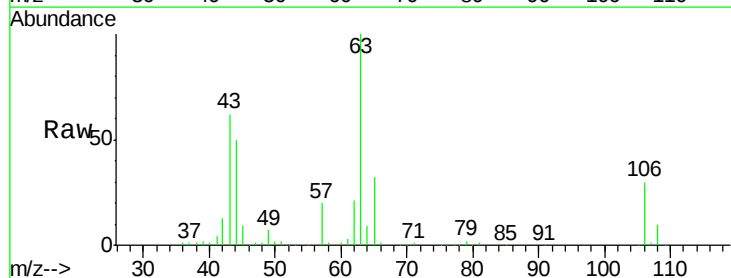
Manual Integrations
 APPROVED

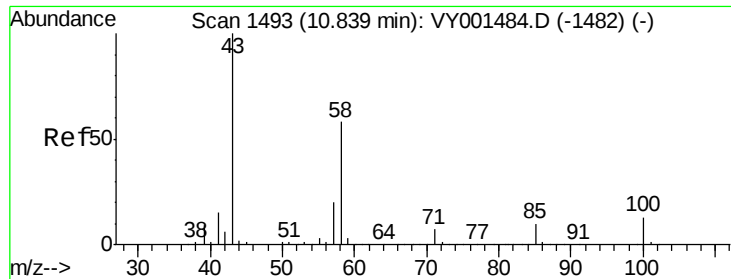
MMDadoda
 2/5/2020 12:23:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.492 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Tgt Ion: 63 Resp: 114611
 Ion Ratio Lower Upper
 63 100
 106 30.9 24.0 36.0





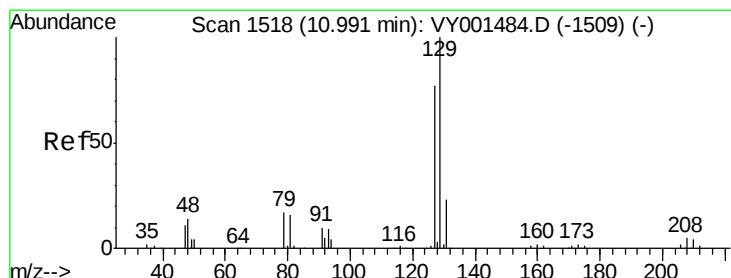
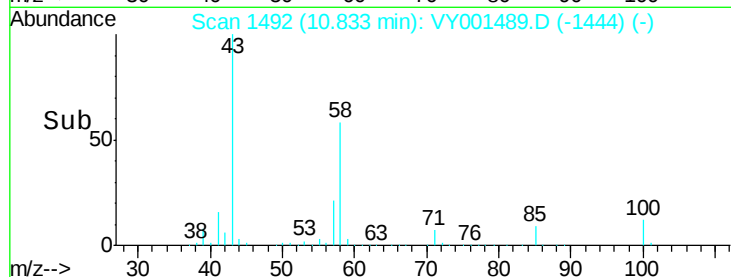
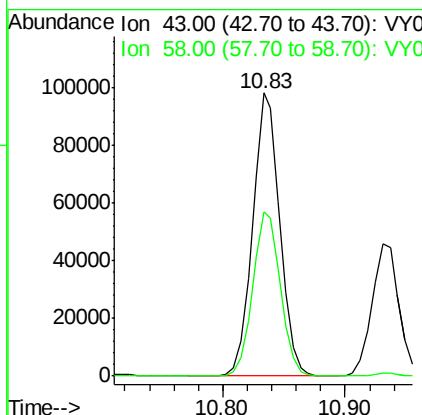
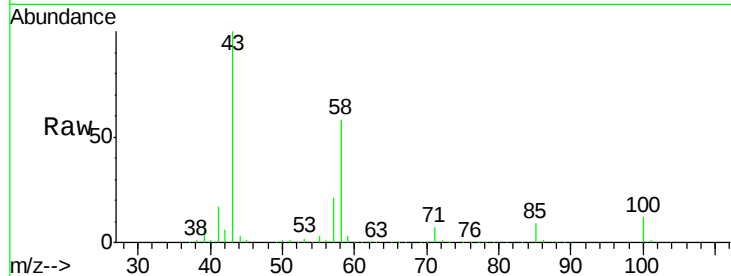
#59
2-Hexanone
Concen: 114.989 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.9	29.0	87.0

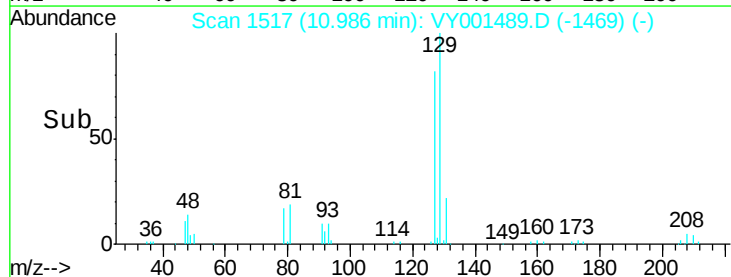
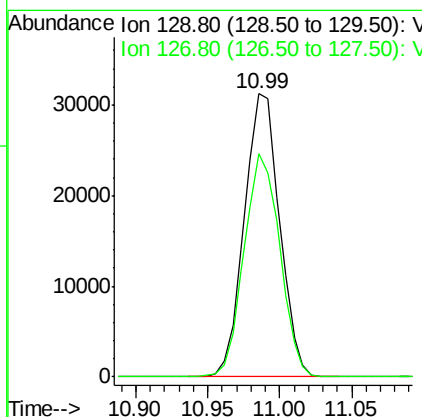
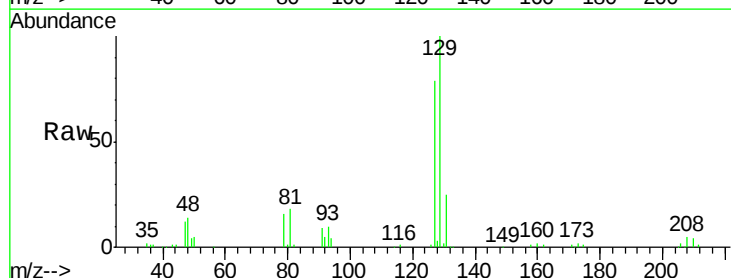
Manual Integrations
APPROVED

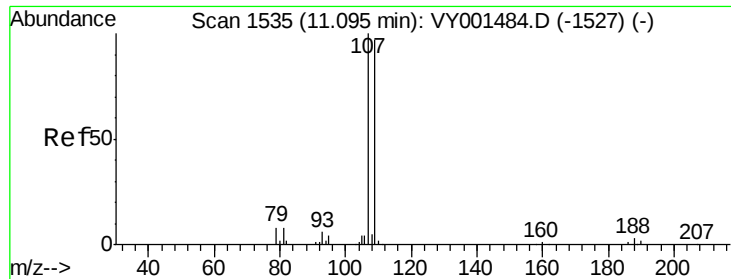
MMDadoda
2/5/2020 12:23:56 PM



#60
Dibromochloromethane
Concen: 21.050 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.7	38.9	116.6





#61

1,2-Dibromoethane

Concen: 21.818 ug/l

RT: 11.10 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion: 107 Resp: 45926

Ion Ratio Lower Upper

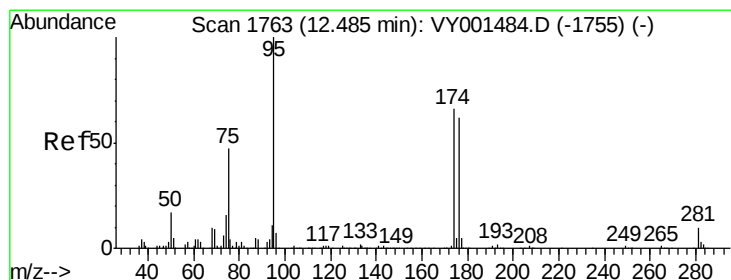
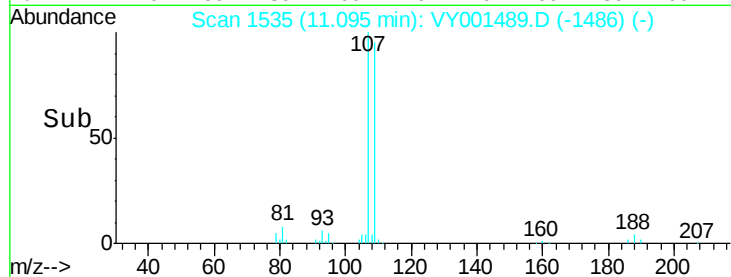
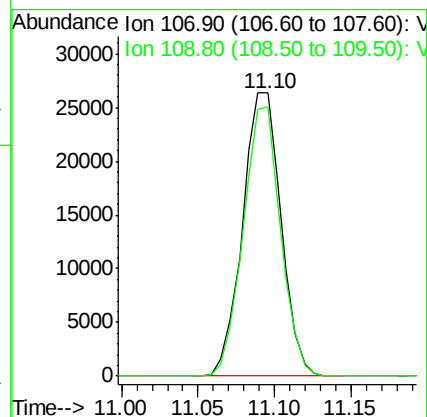
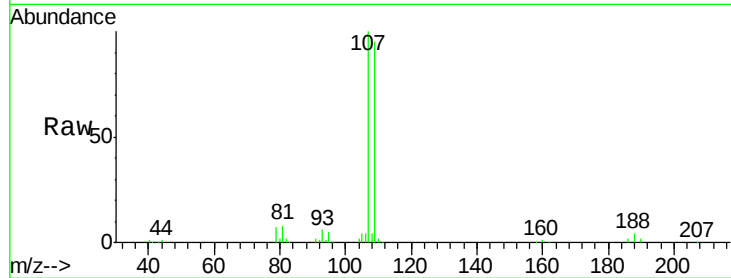
107 100

109 92.9 76.2 114.2

Manual Integrations
APPROVED

MMDadoda

2/5/2020 12:23:56 PM



#62

4-Bromofluorobenzene

Concen: 49.058 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

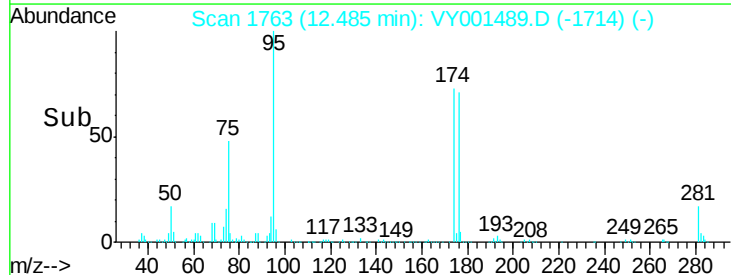
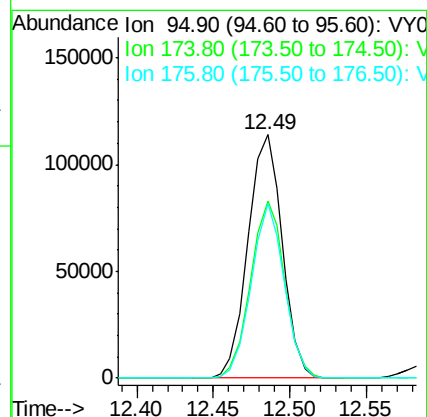
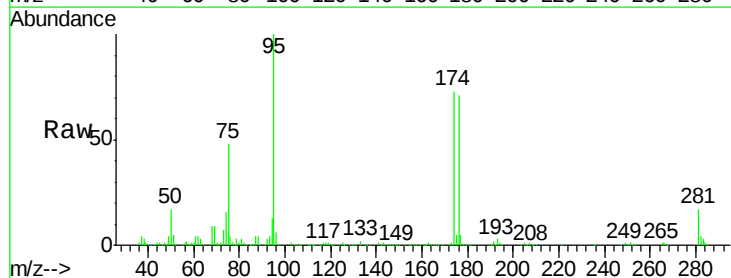
Tgt Ion: 95 Resp: 177513

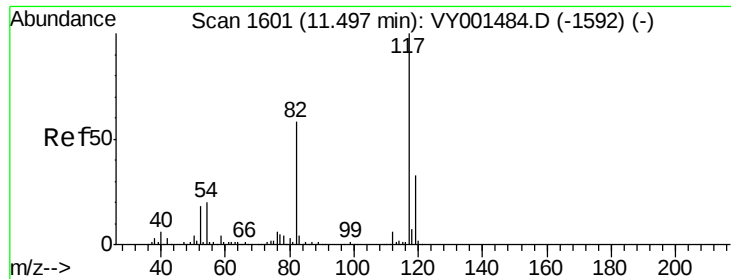
Ion Ratio Lower Upper

95 100

174 72.3 0.0 141.4

176 69.1 0.0 135.4





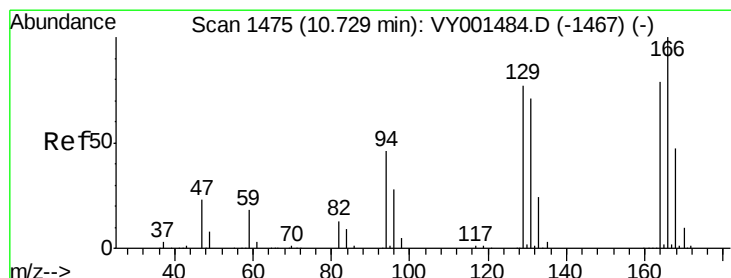
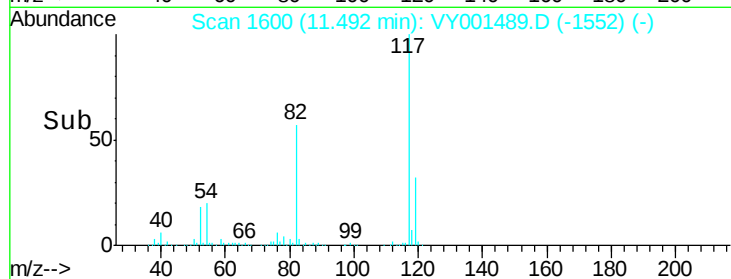
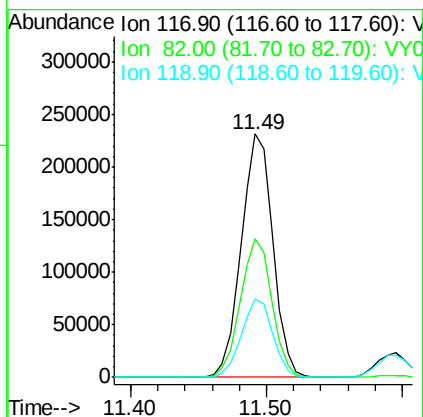
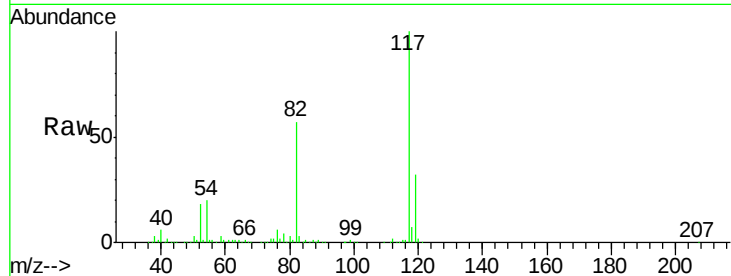
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	375030		
82	56.8	46.1	69.1	
119	32.1	26.1	39.1	

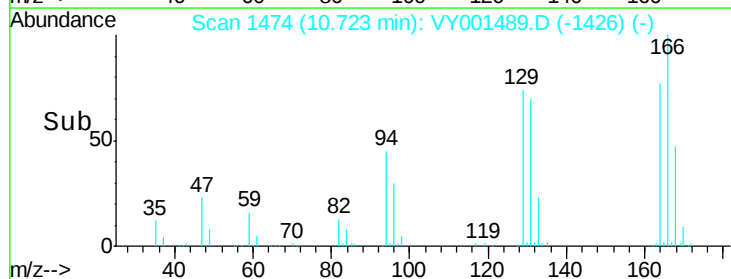
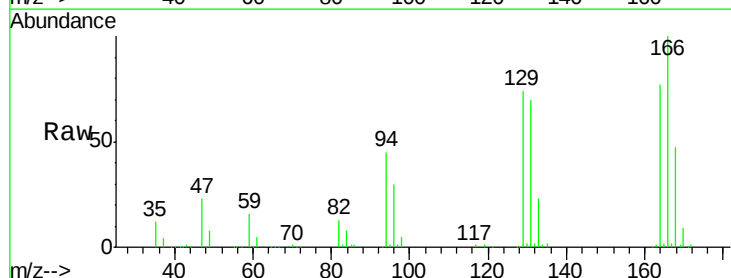
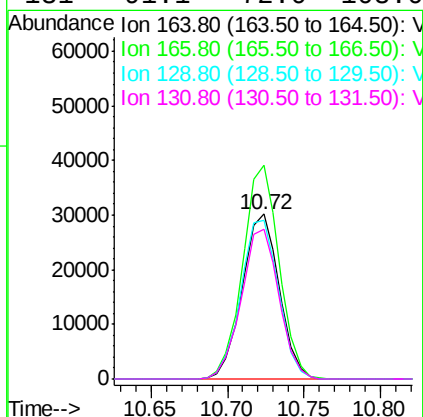
Manual Integrations
APPROVED

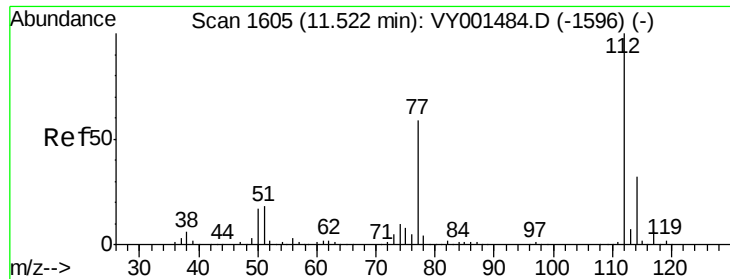
MMDadoda
2/5/2020 12:23:56 PM



#64
Tetrachloroethene
Concen: 20.568 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50587		
166	129.8	100.8	151.2	
129	96.1	77.8	116.6	
131	91.1	72.0	108.0	





#65

Chlorobenzene

Concen: 21.162 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion:112 Resp: 155827

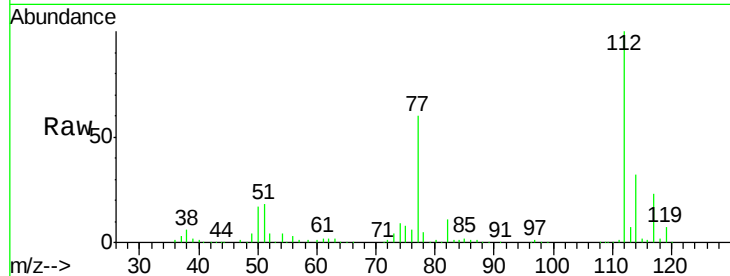
Ion Ratio Lower Upper

112 100

114 31.9 25.4 38.2

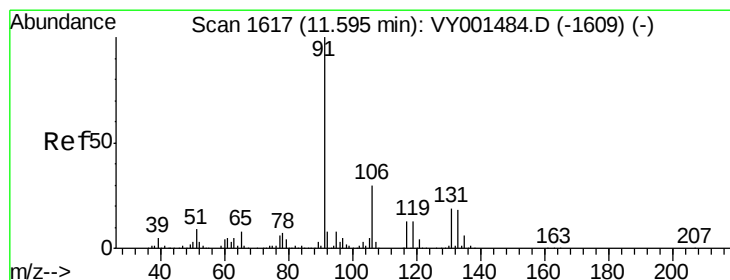
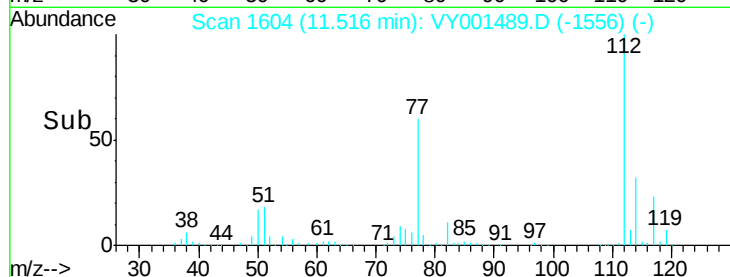
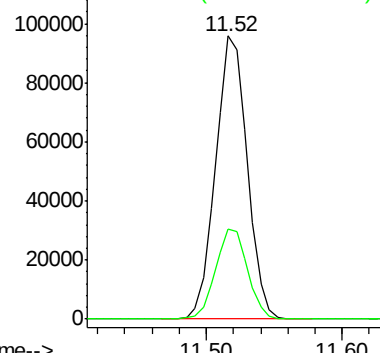
Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:56 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.087 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

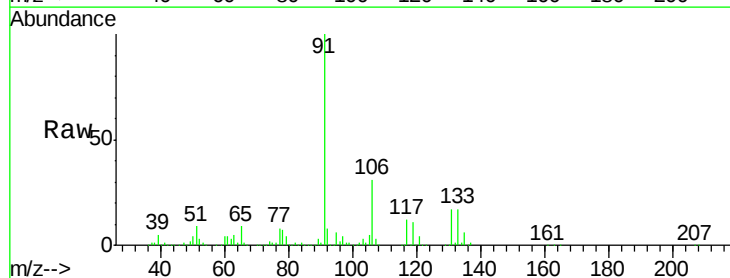
Tgt Ion:131 Resp: 54345

Ion Ratio Lower Upper

131 100

133 96.4 47.9 143.8

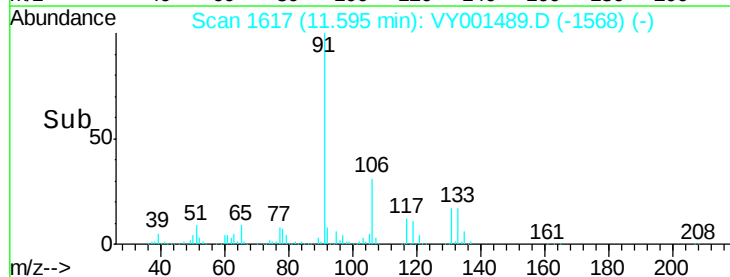
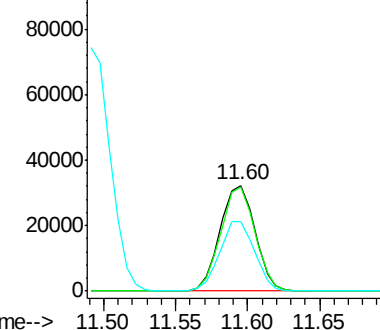
119 65.8 33.7 101.0

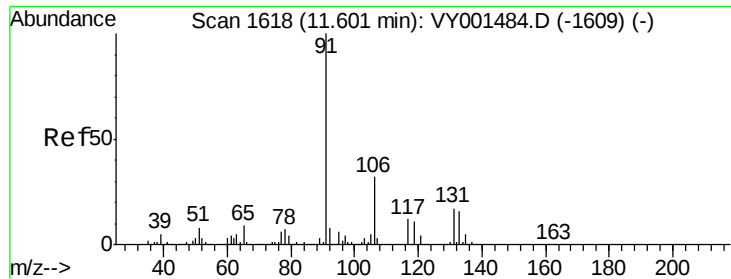


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





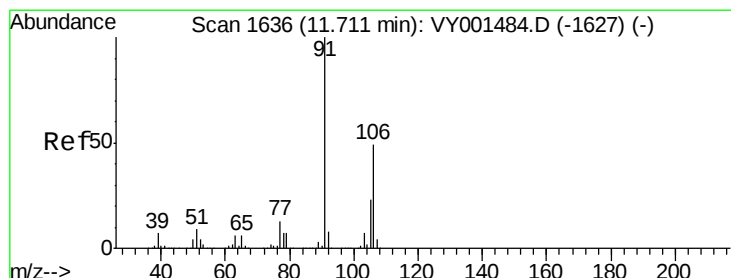
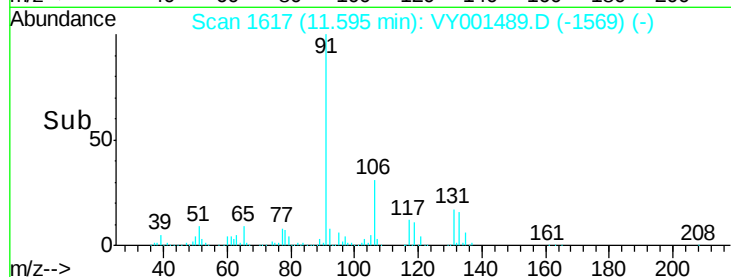
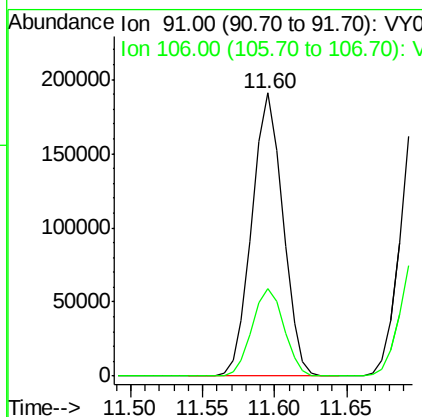
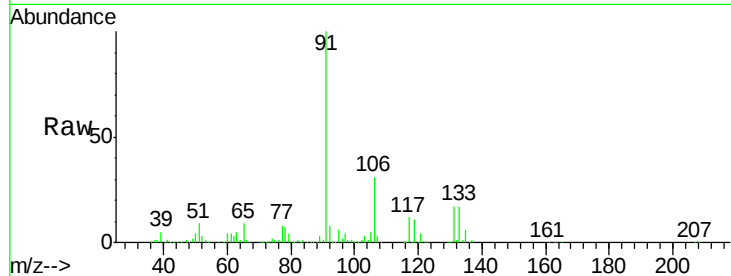
#67
Ethyl Benzene
Concen: 20.936 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion: 91 Resp: 285042
Ion Ratio Lower Upper
91 100
106 31.1 25.3 37.9

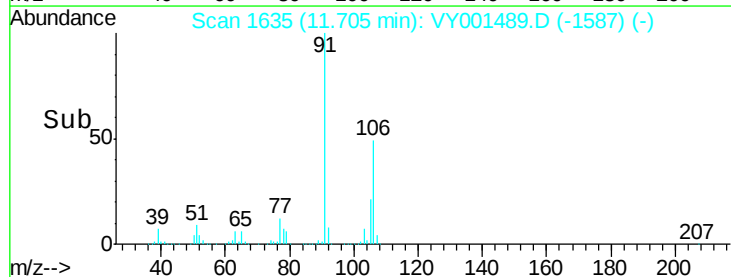
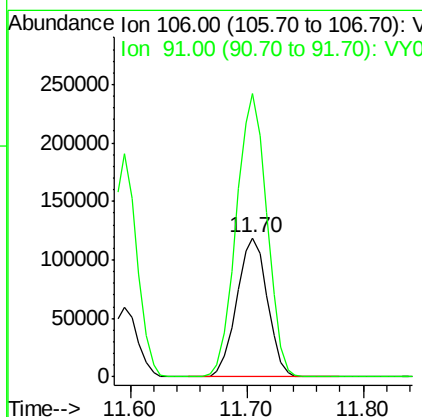
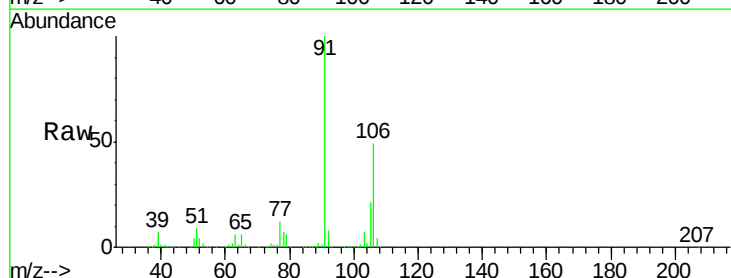
Manual Integrations
APPROVED

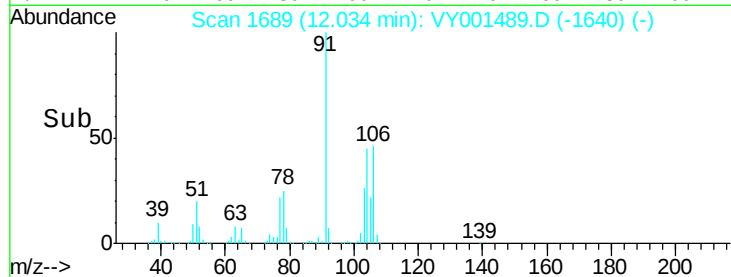
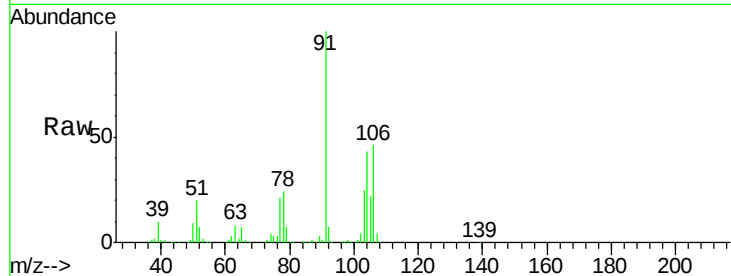
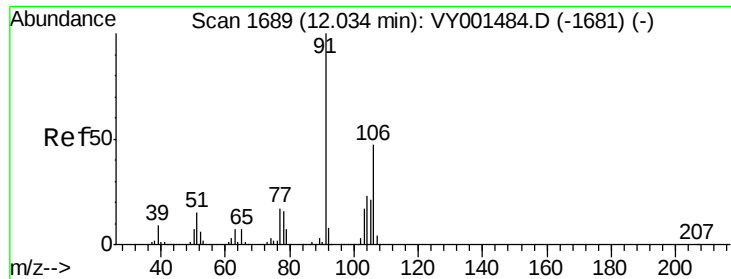
MMDadoda
2/5/2020 12:23:56 PM



#68
m/p-Xylenes
Concen: 42.572 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion: 106 Resp: 217593
Ion Ratio Lower Upper
106 100
91 203.8 163.6 245.4





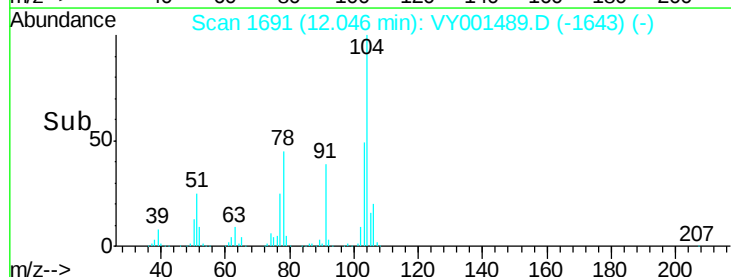
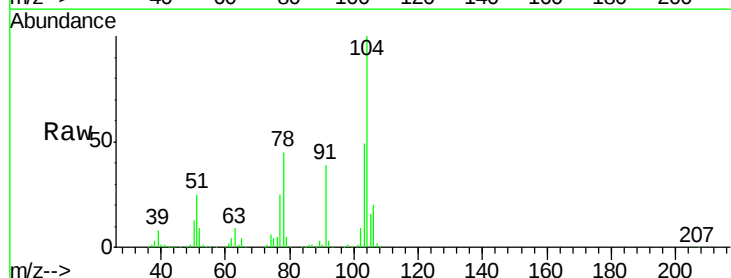
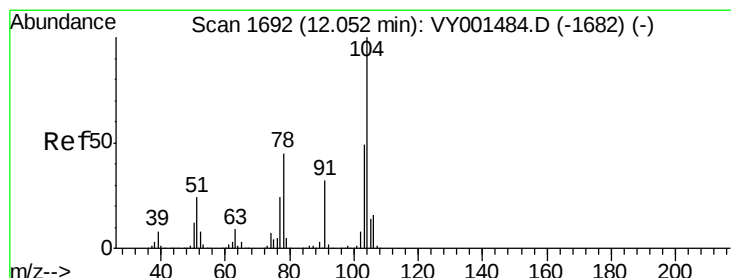
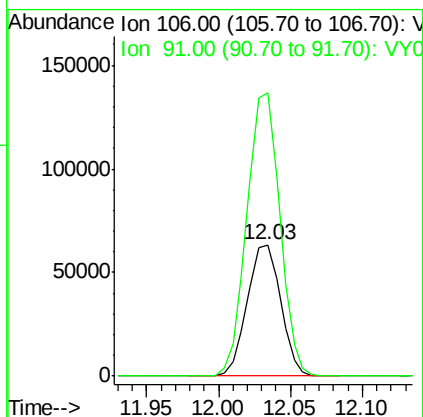
#69
o-Xylene
Concen: 21.192 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tot Ion	Ratio	Resp	Lower	Upper
106	100	102127		
91	213.1	106.0	318.0	

Instrument :
MSVOA_Y
ClientSampled :
VY0204SBS01

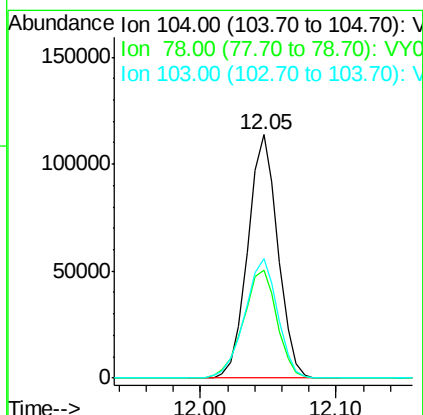
Manual Integrations
APPROVED

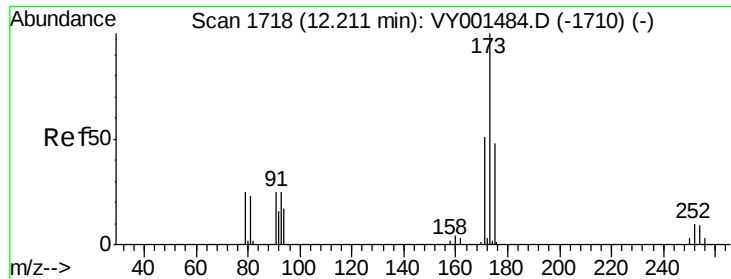
MMDadoda
2/5/2020 12:23:56 PM



#70
Styrene
Concen: 21.117 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	175987		
78	49.6	40.4	60.6	
103	53.5	42.8	64.2	





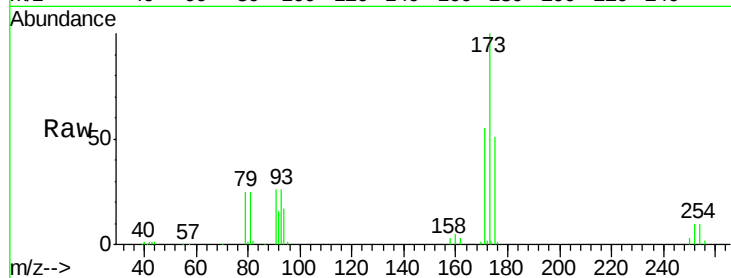
#71
Bromoform
Concen: 21.792 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.00 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

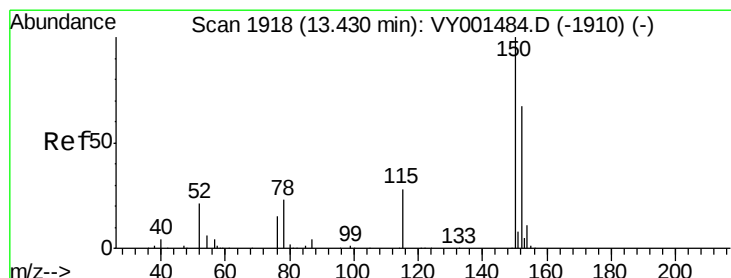
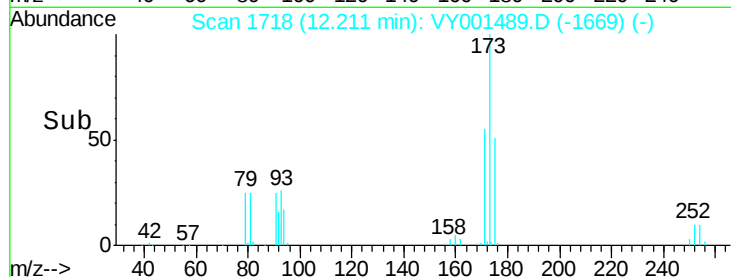
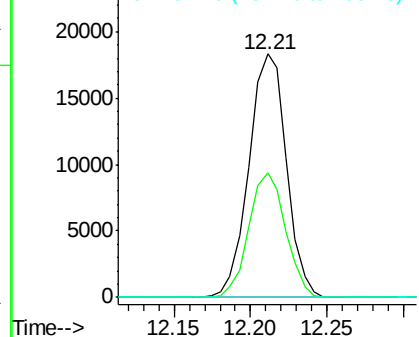
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.0	72.0
254	0.0	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:56 PM

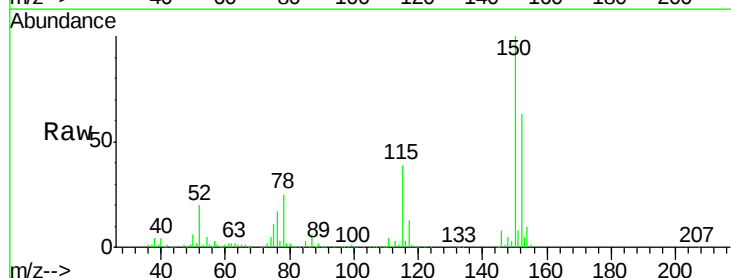


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

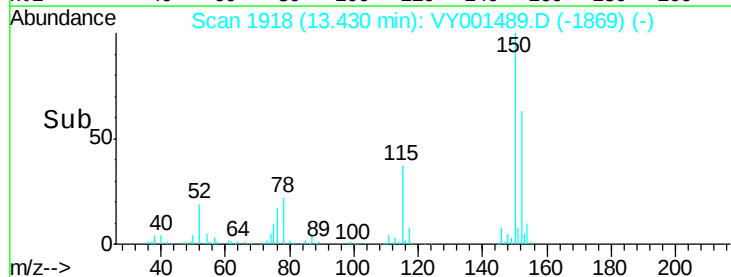
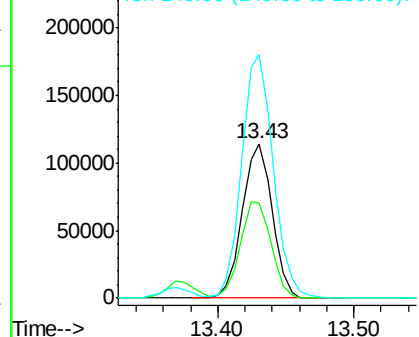


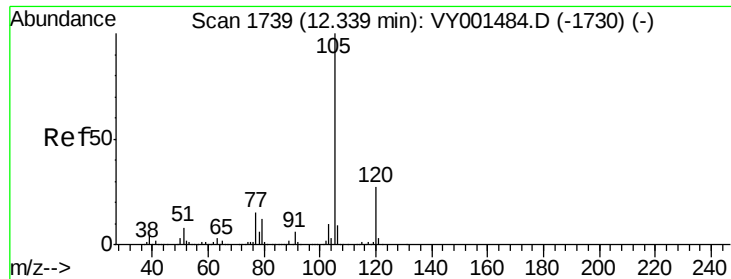
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	31.4	94.3
150	166.2	0.0	346.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.482 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion: 105 Resp: 273893

Ion Ratio Lower Upper

105 100

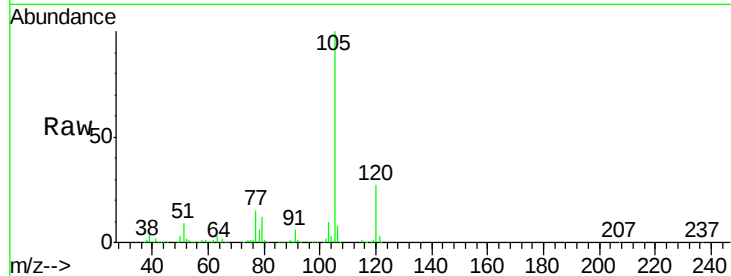
120 26.6 13.3 39.9

Manual Integrations

APPROVED

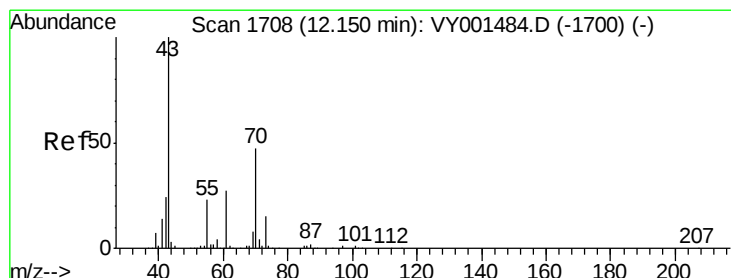
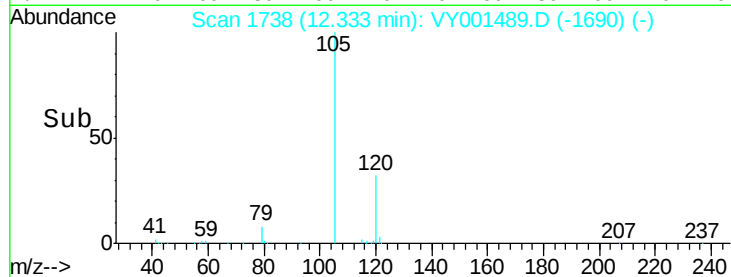
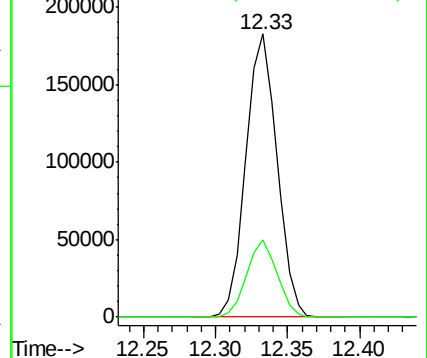
MMDadoda

2/5/2020 12:23:56 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.105 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Tgt Ion: 43 Resp: 76811

Ion Ratio Lower Upper

43 100

70 45.0 37.2 55.8

55 23.5 18.8 28.2

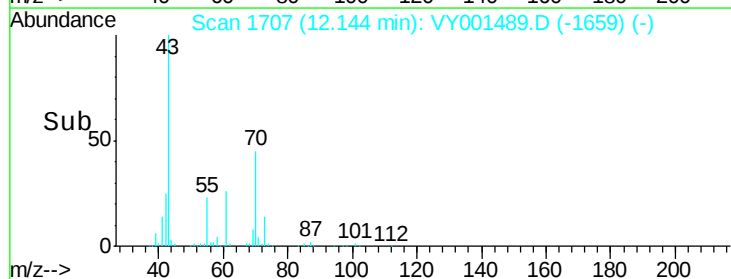
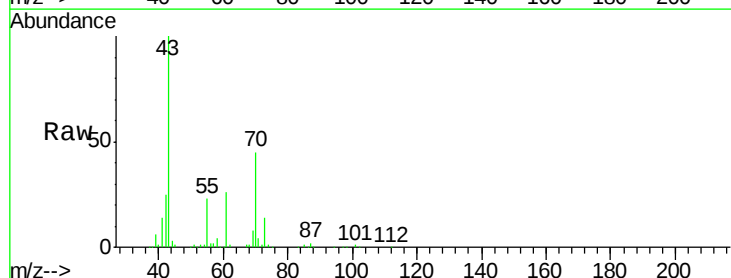
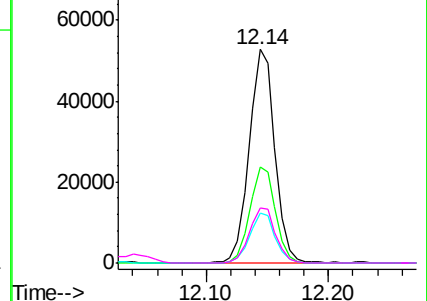
61 26.3 21.4 32.2

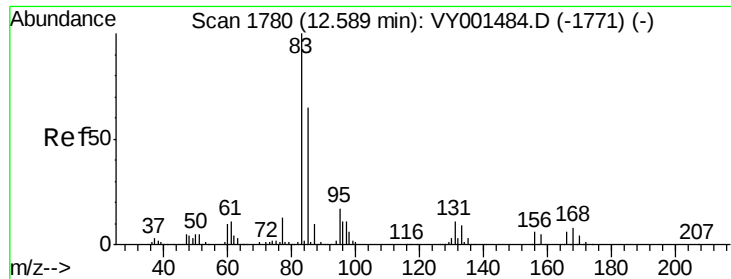
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.957 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

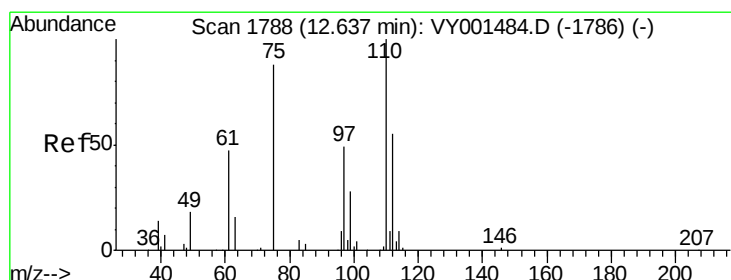
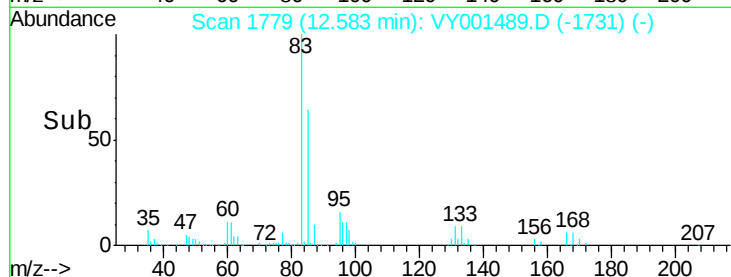
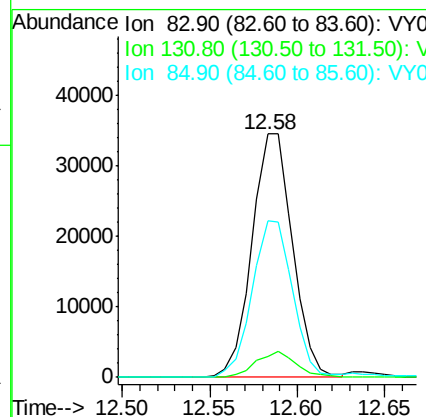
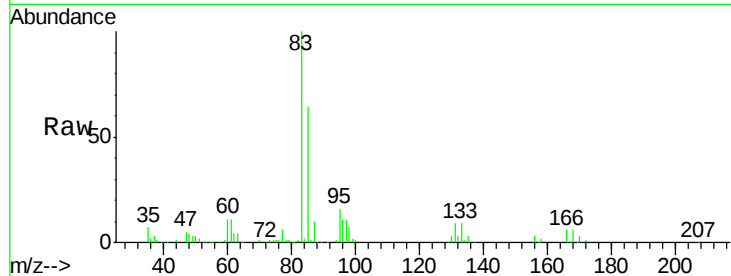
ClientSampleId :

VY0204SBS01

Tot Ion:	83	Resp:	55786
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	64.2	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:56 PM



#76

1,2,3-Trichloropropane

Concen: 24.103 ug/l m

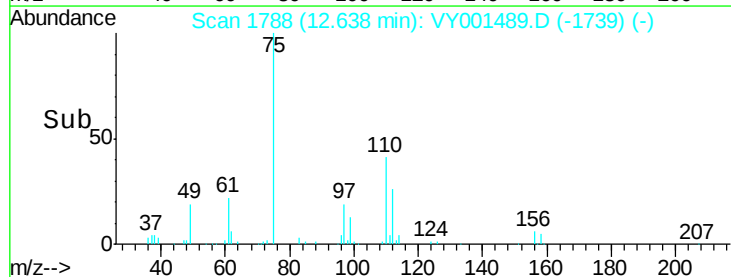
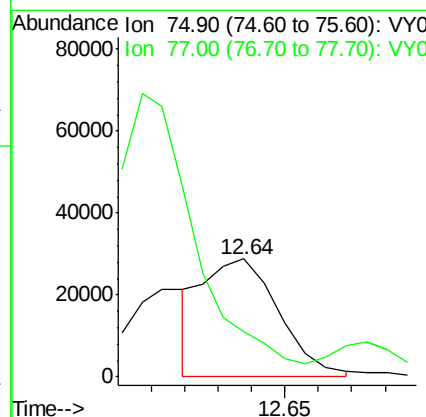
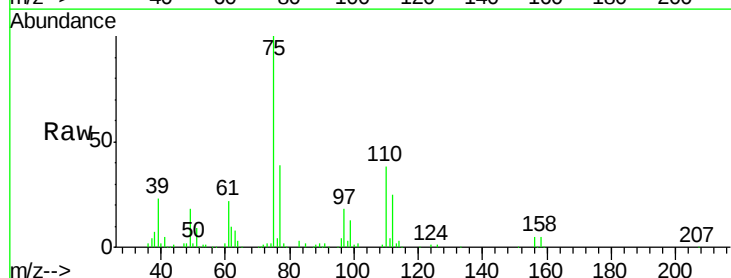
RT: 12.64 min Scan# 1788

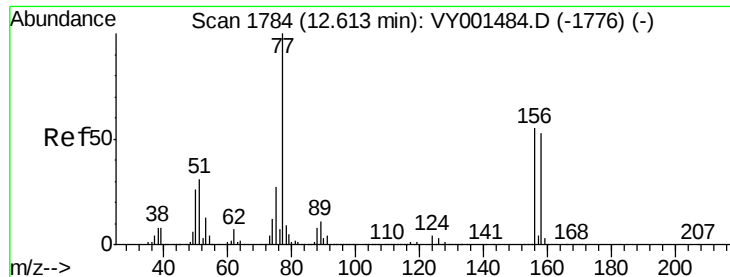
Delta R.T. 0.00 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Tgt Ion:	75	Resp:	45447
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.219 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

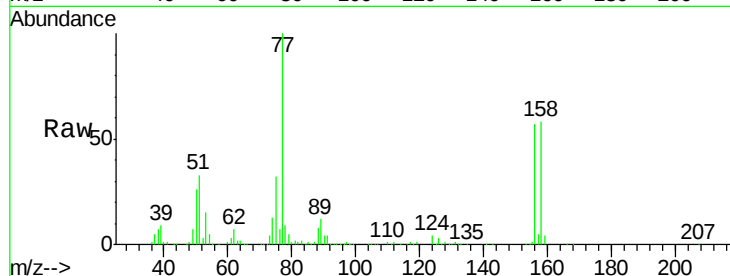
ClientSampleId :

VY0204SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	201.7	99.8	299.3
158	96.4	47.5	142.6

Manual Integrations
APPROVED

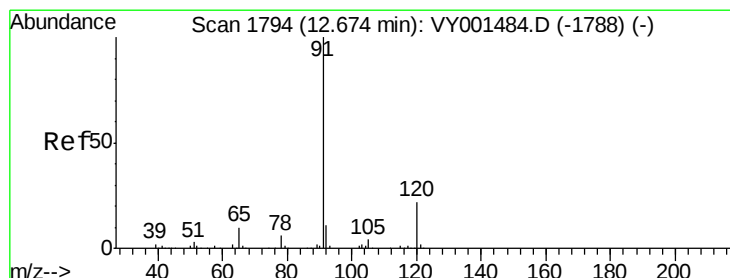
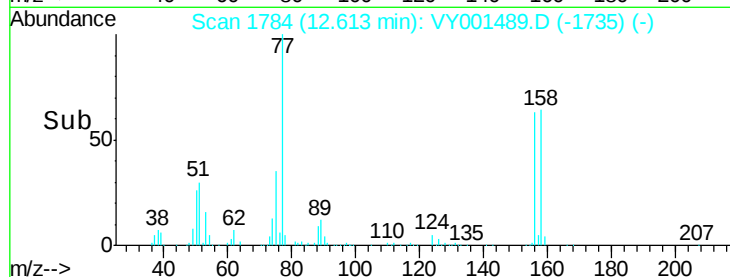
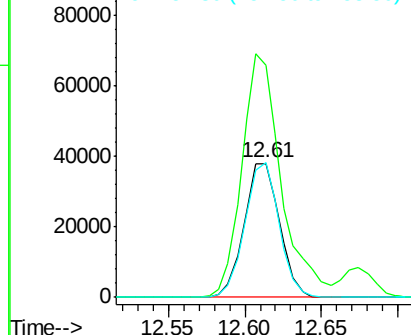
MMDadoda
2/5/2020 12:23:56 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.498 ug/l

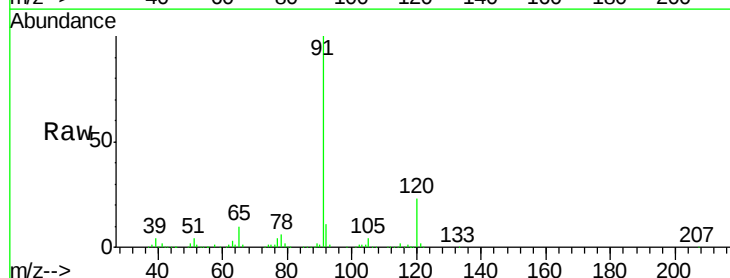
RT: 12.67 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VY001489.D

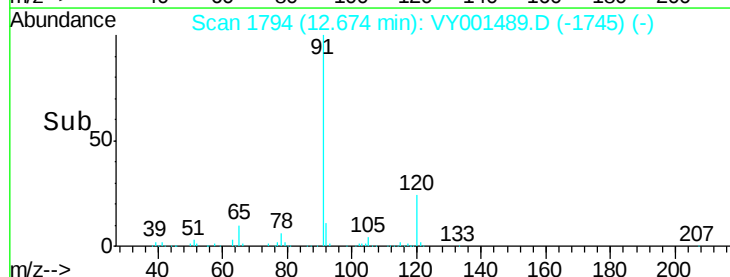
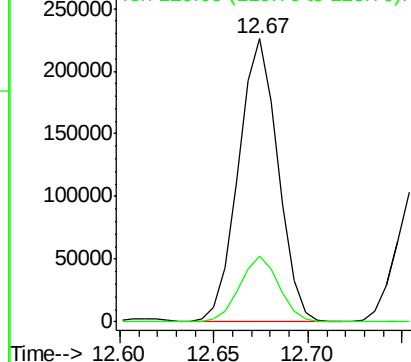
Acq: 04 Feb 2020 16:15

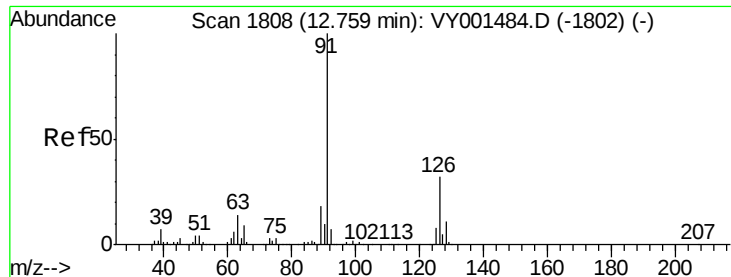
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.4	34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.546 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion: 91 Resp: 187487

Ion Ratio Lower Upper

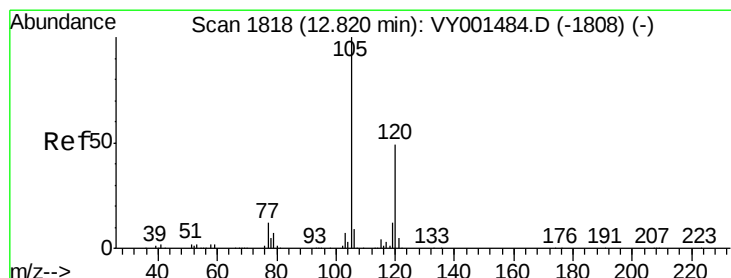
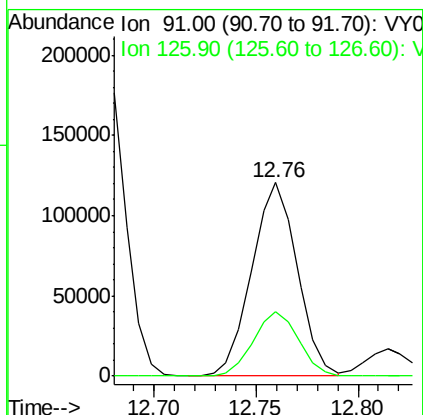
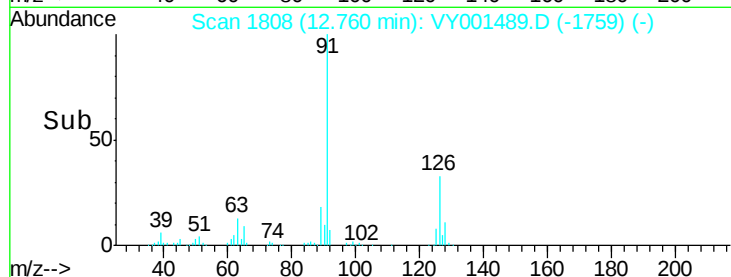
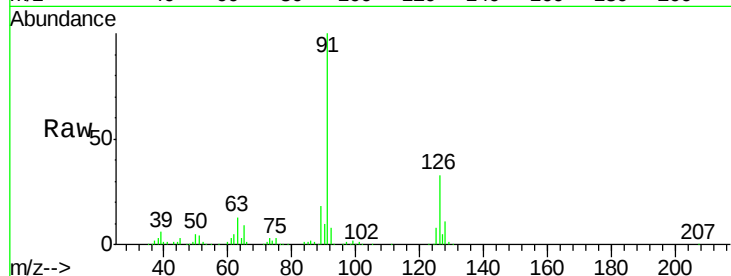
91 100

126 33.1 16.4 49.2

Manual Integrations
APPROVED

MMDadoda

2/5/2020 12:23:56 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.844 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001489.D

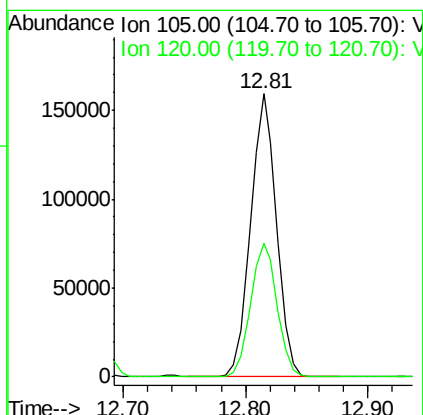
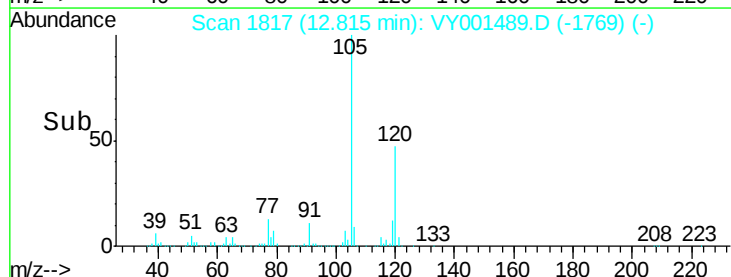
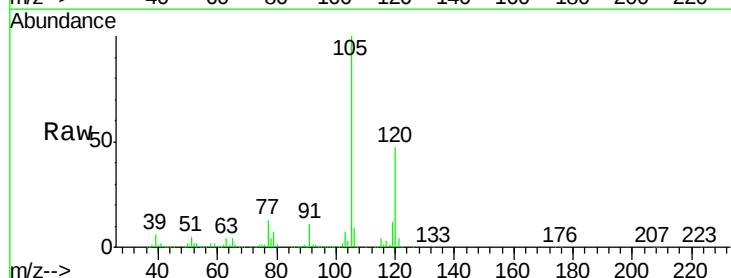
Acq: 04 Feb 2020 16:15

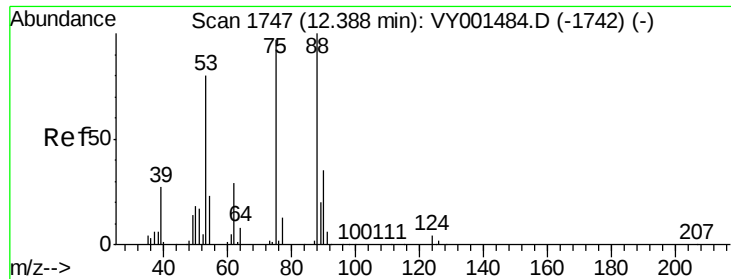
Tgt Ion: 105 Resp: 234739

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.684 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

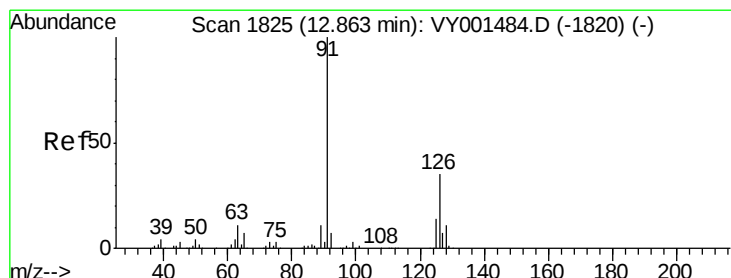
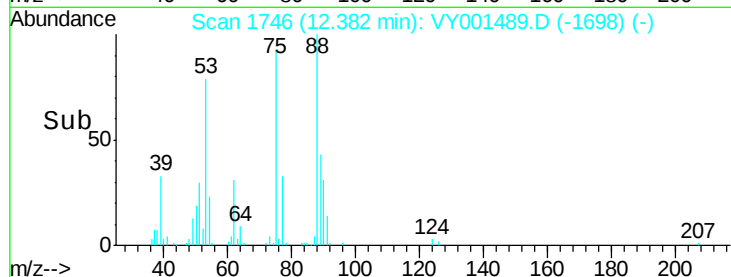
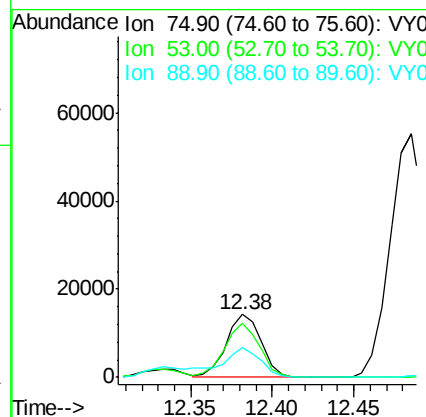
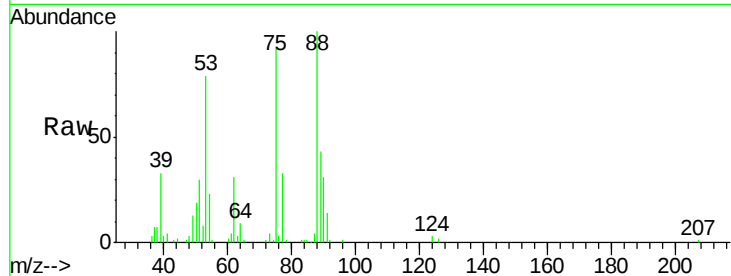
ClientSampleId :

VY0204SBS01

Tot Ion:	75	Resp:	21130
Ion	Ratio	Lower	Upper
75	100		
53	86.0	67.7	101.5
89	43.7	34.6	52.0

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:56 PM



#82

4-Chlorotoluene

Concen: 20.910 ug/l

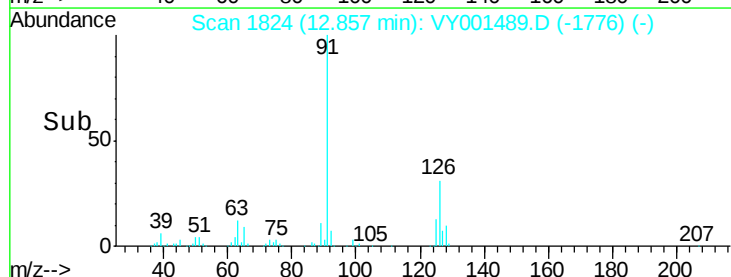
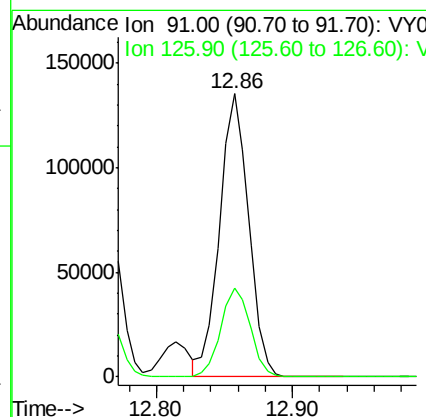
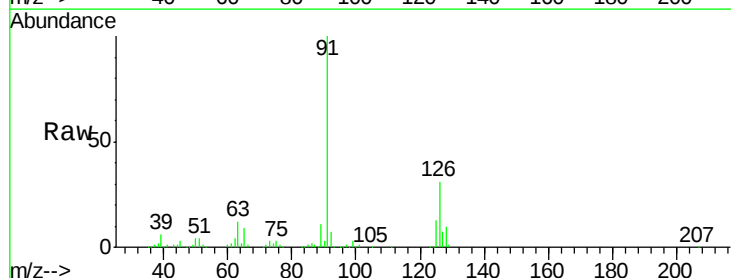
RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Tgt Ion:	91	Resp:	200058
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.5	49.5





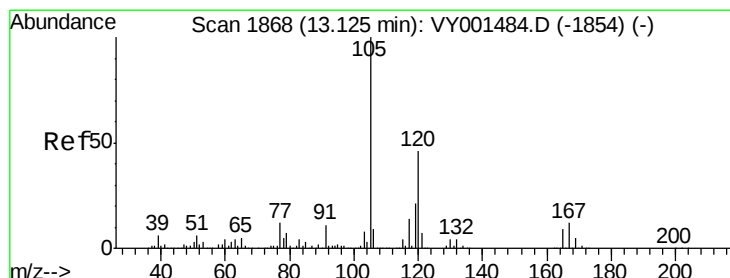
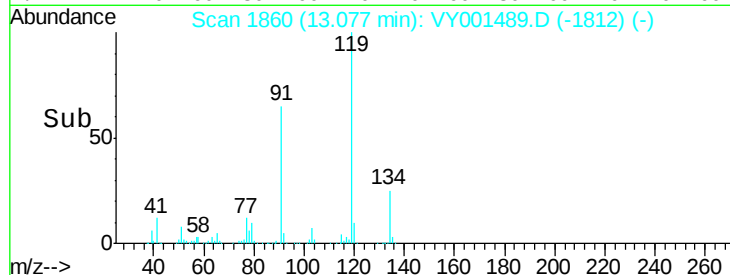
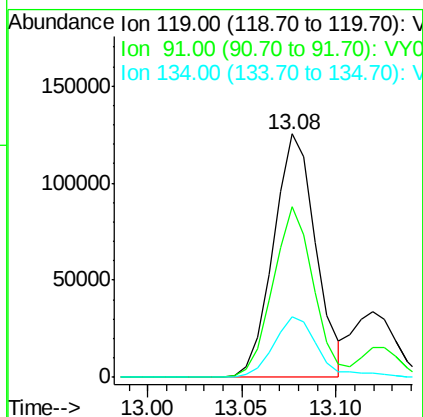
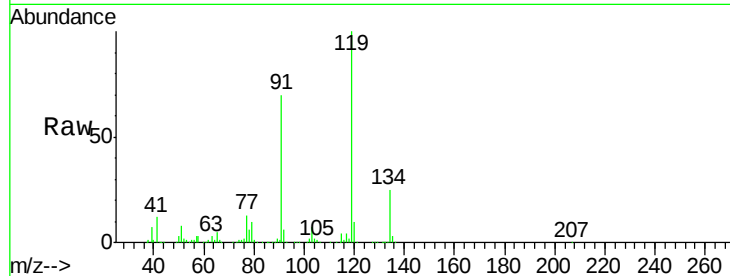
#83
tert-Butylbenzene
Concen: 20.591 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	196010		
91	67.3	33.1	99.3	
134	26.5	13.0	39.0	

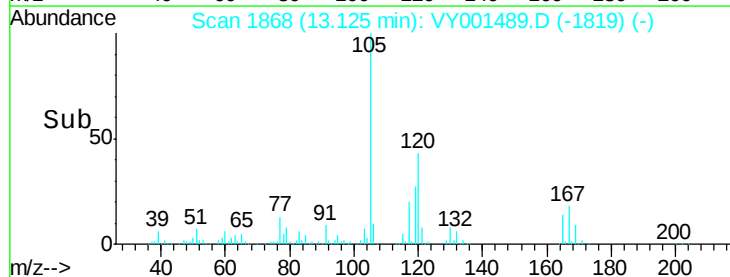
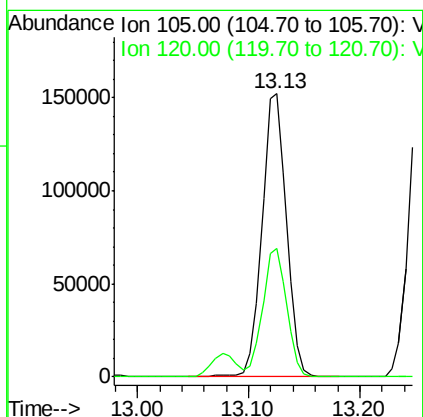
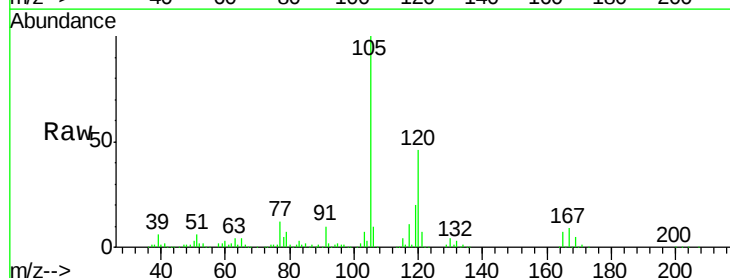
Manual Integrations
APPROVED

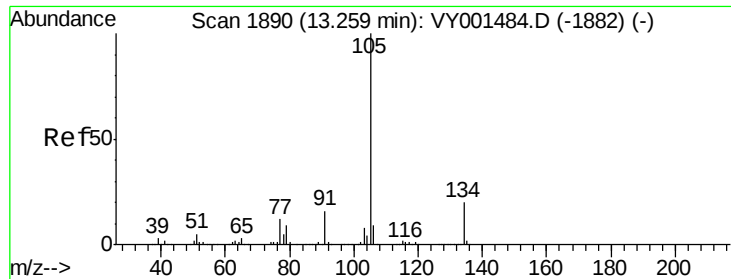
MMDadoda
2/5/2020 12:23:56 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.969 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	233725		
120	44.7	22.4	67.0	





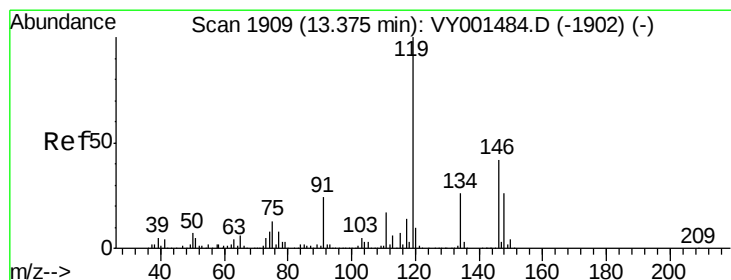
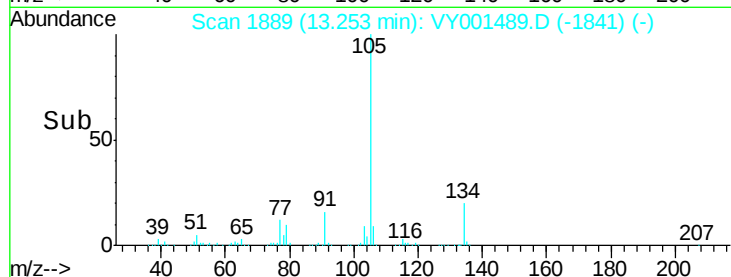
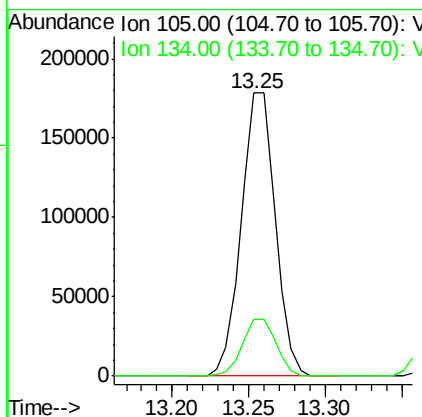
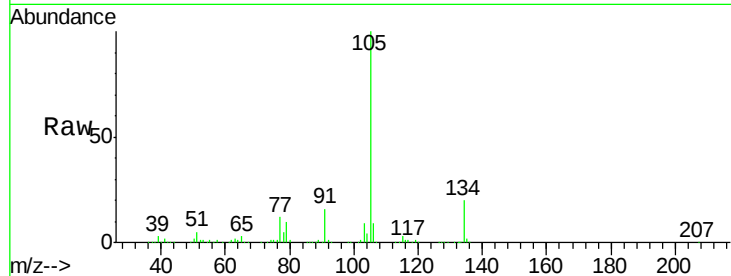
#85
 sec-Butylbenzene
 Concen: 20.592 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	29.8

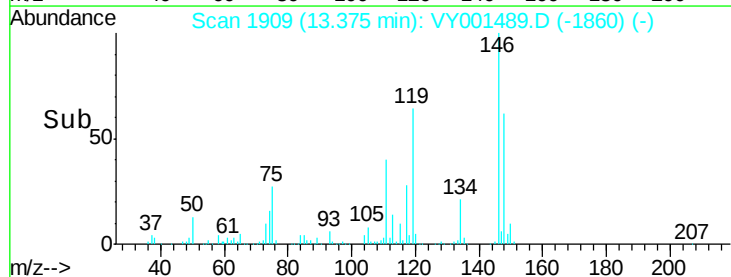
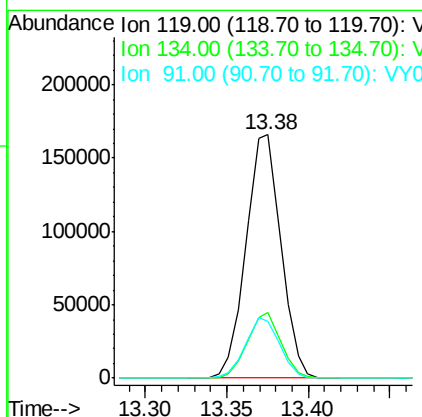
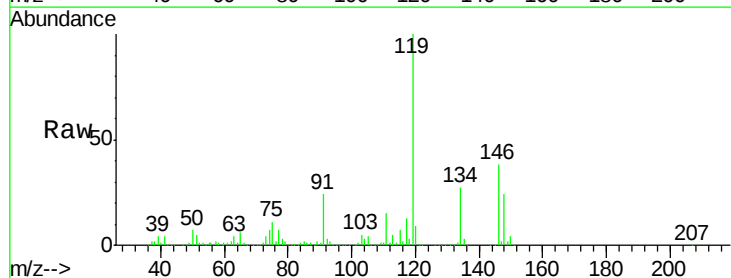
Manual Integrations
 APPROVED

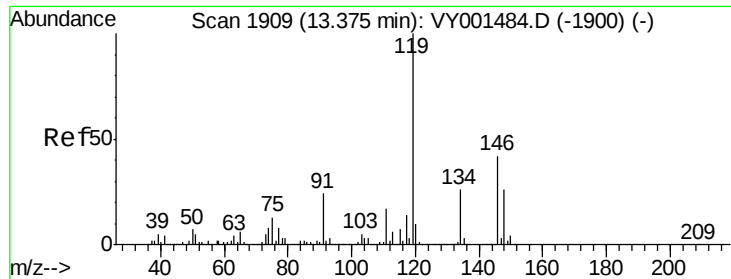
MMDadoda
 2/5/2020 12:23:56 PM



#86
 p-Isopropyltoluene
 Concen: 20.981 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.3	39.8
91	24.4	12.2	36.6





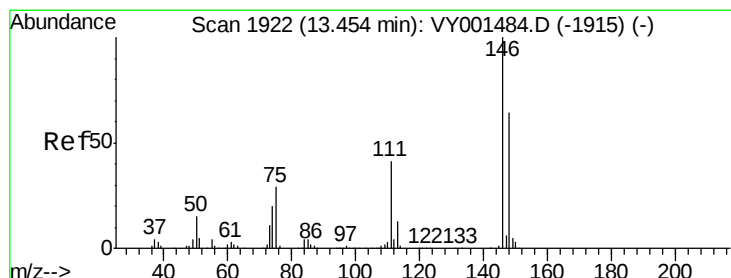
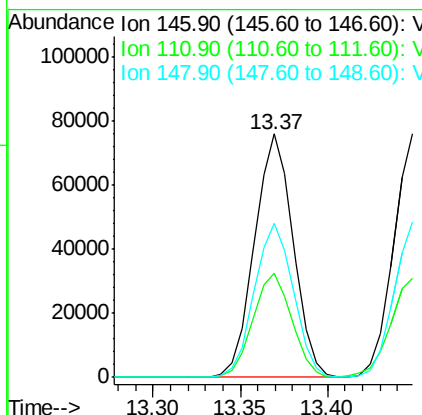
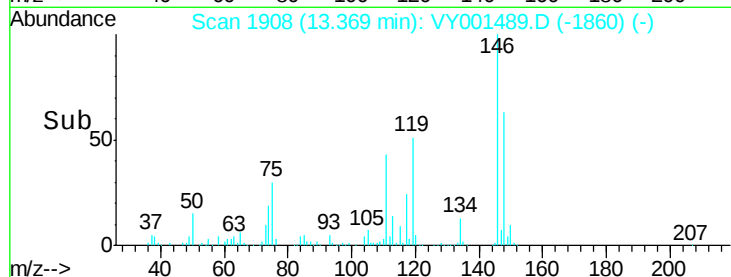
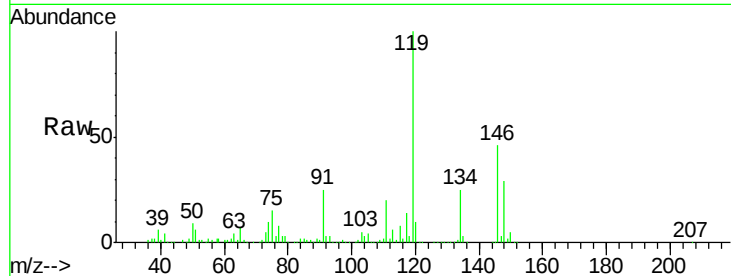
#87
 1,3-Dichlorobenzene
 Concen: 20.961 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.9	21.3	63.9	
148	64.0	31.9	95.7	

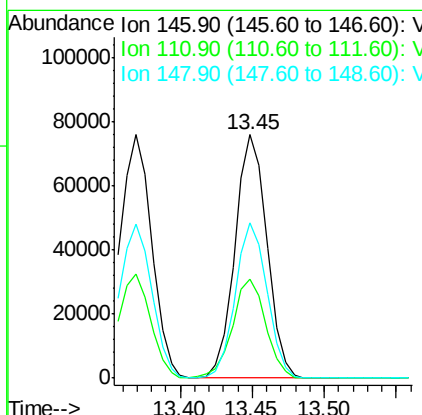
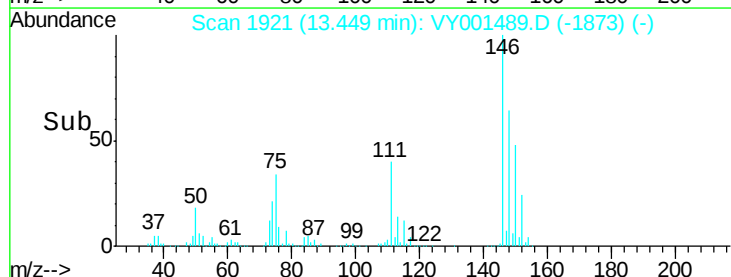
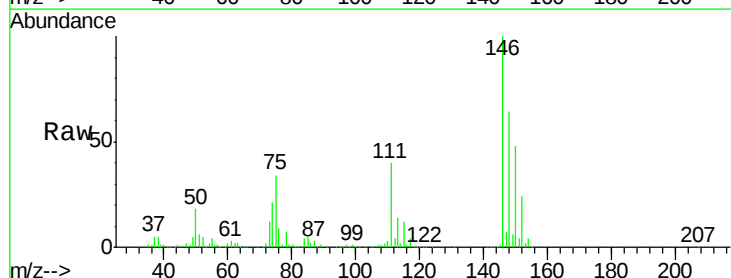
Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:23:56 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.072 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.3	20.7	62.1	
148	63.7	32.1	96.5	





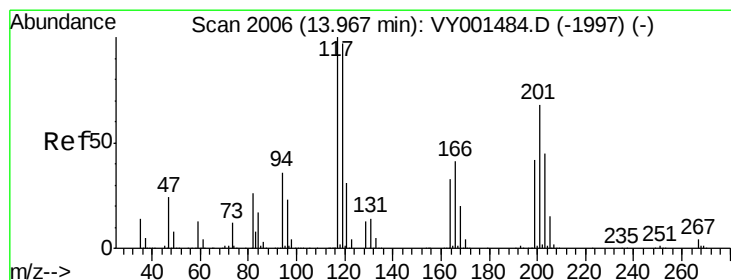
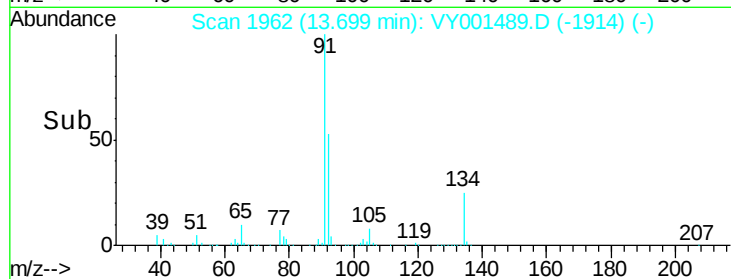
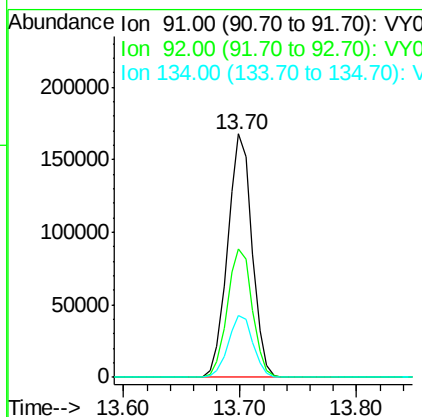
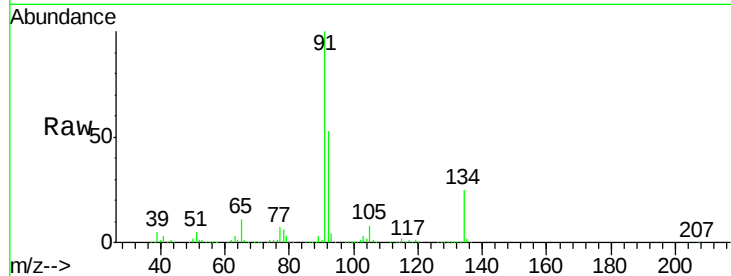
#89
n-Butylbenzene
Concen: 20.892 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.3	81.9
134	25.7	13.0	38.9

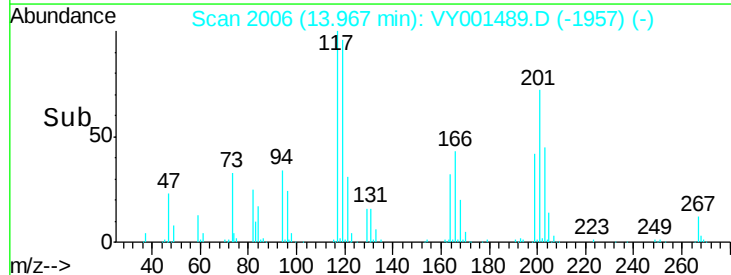
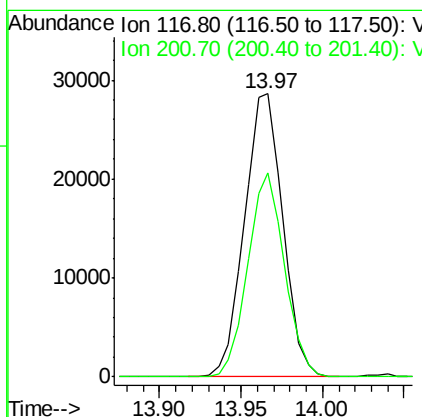
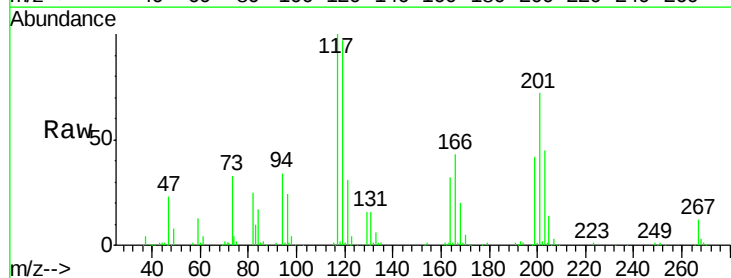
Manual Integrations
APPROVED

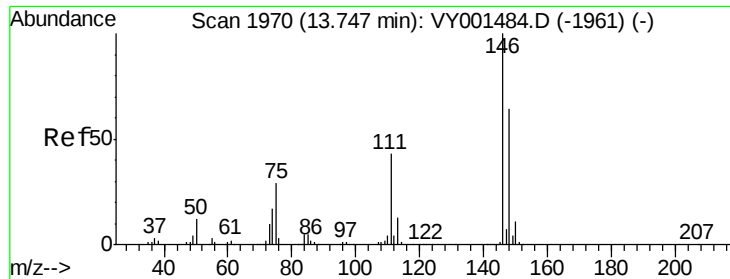
MMDadoda
2/5/2020 12:23:56 PM



#90
Hexachloroethane
Concen: 20.676 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.7	34.1	102.3





#91

1,2-Dichlorobenzene

Concen: 21.163 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

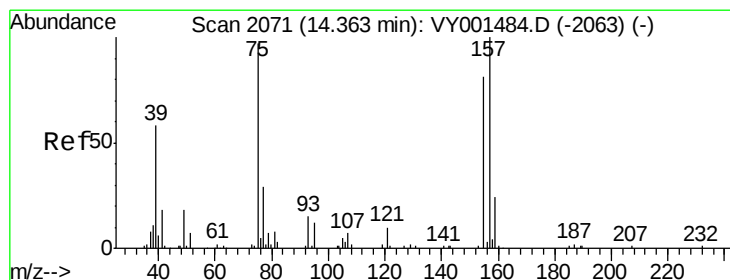
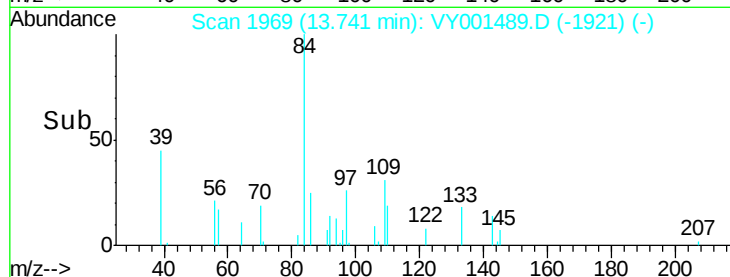
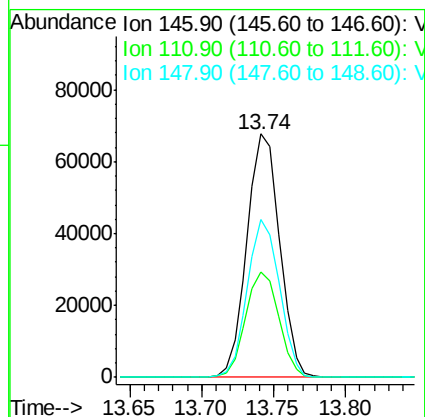
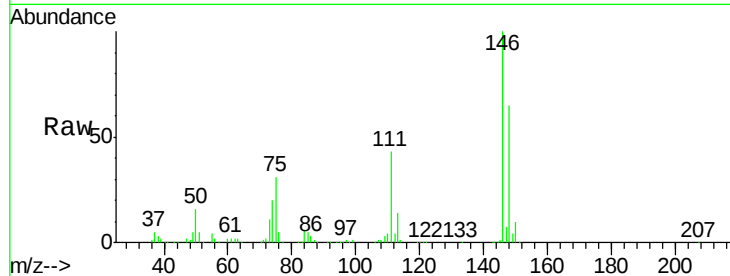
ClientSampleId :

VY0204SBS01

Tot Ion:	146	Resp:	106367
Ion Ratio	Lower	Upper	
146	100		
111	43.9	21.9	65.8
148	63.7	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:56 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.673 ug/l

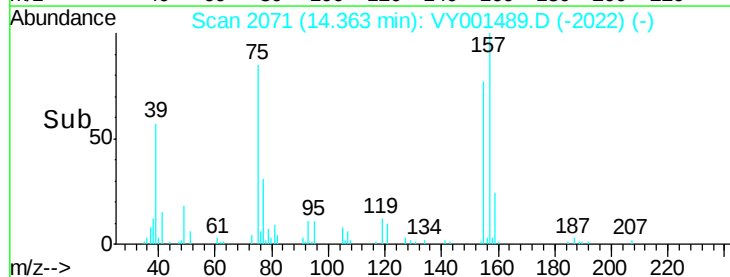
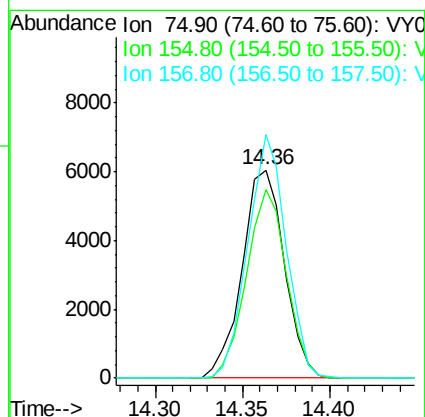
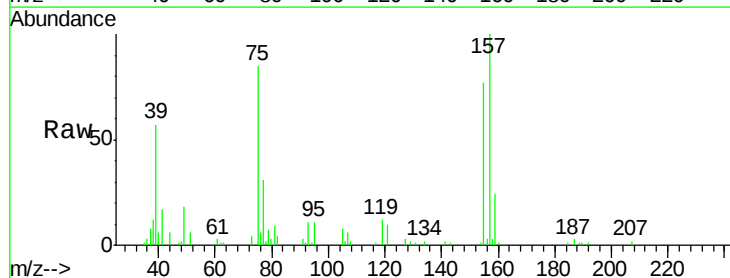
RT: 14.36 min Scan# 2071

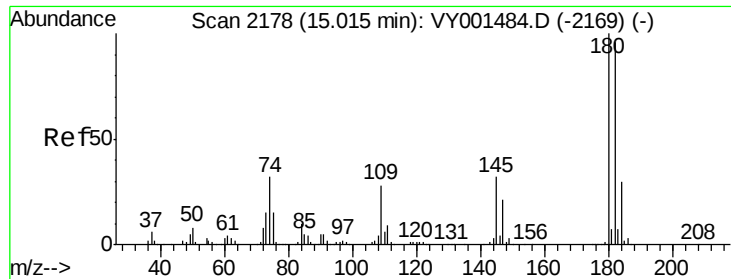
Delta R.T. 0.00 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Tgt Ion:	75	Resp:	10165
Ion Ratio	Lower	Upper	
75	100		
155	85.4	40.7	122.1
157	105.8	52.3	157.1





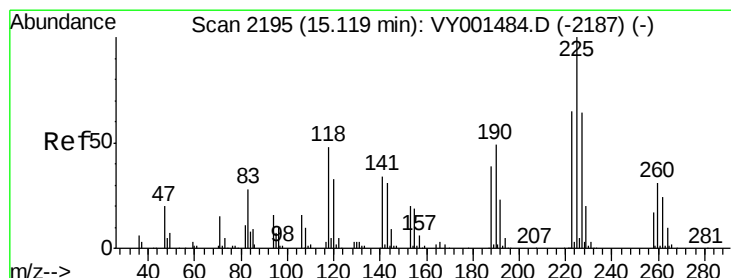
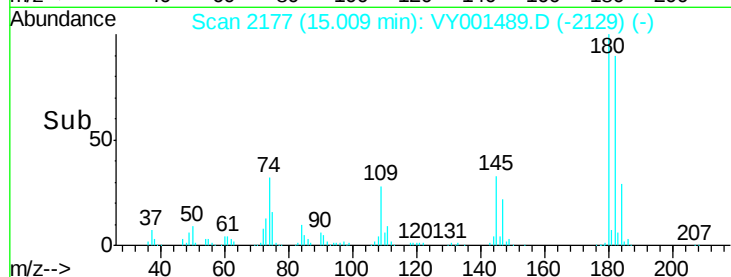
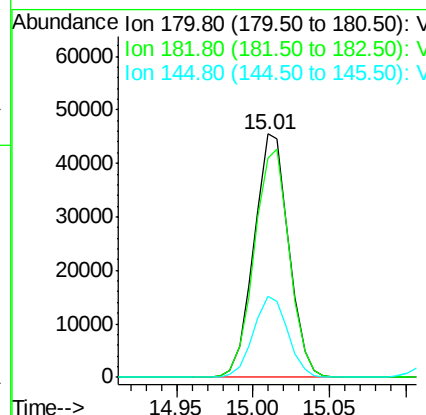
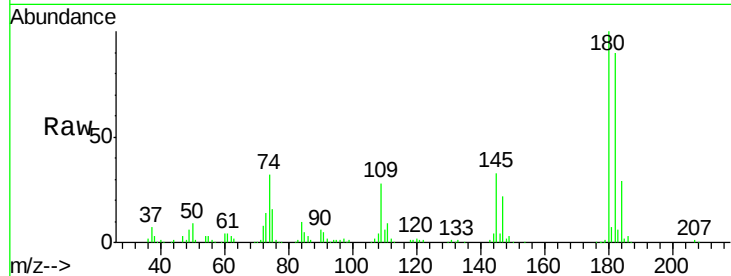
#93
 1,2,4-Trichlorobenzene
 Concen: 21.249 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.9	140.7
145	33.1	16.8	50.3

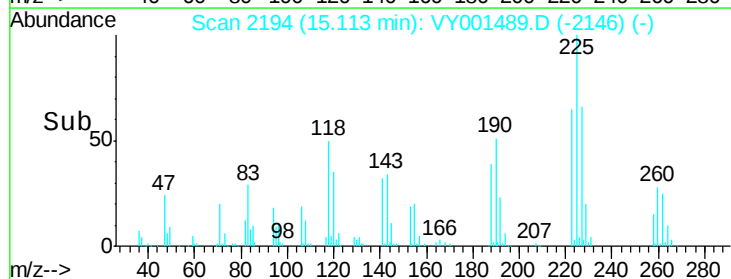
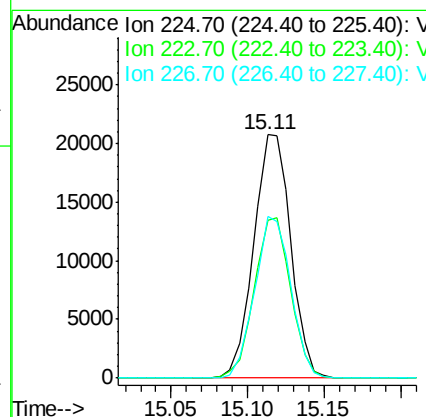
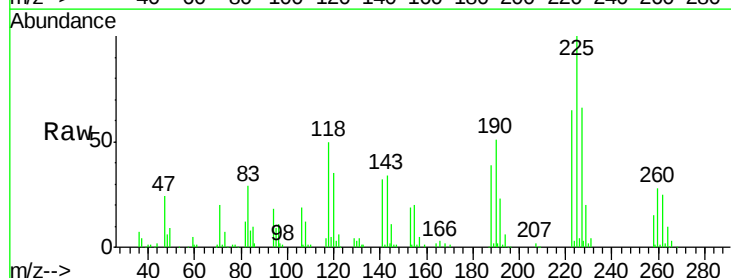
Manual Integrations
 APPROVED

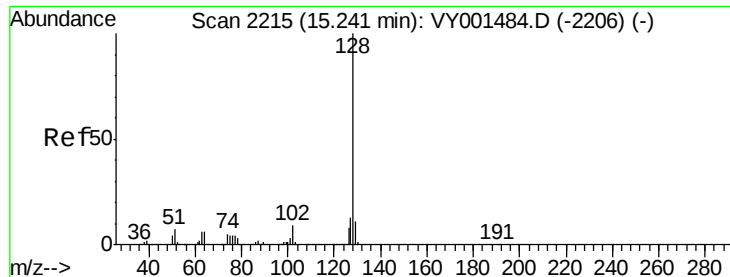
MMDadoda
 2/5/2020 12:23:56 PM



#94
 Hexachlorobutadiene
 Concen: 20.350 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.9	95.7
227	64.7	32.6	97.7





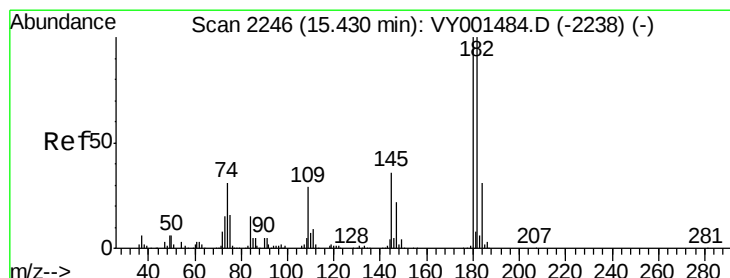
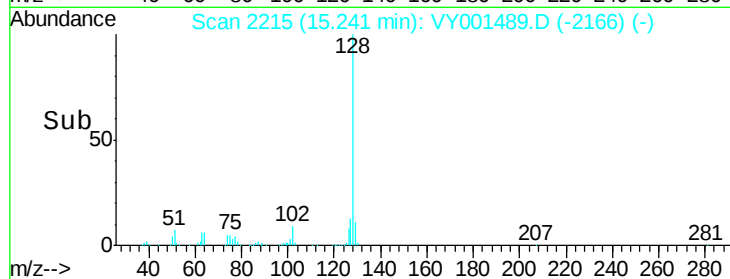
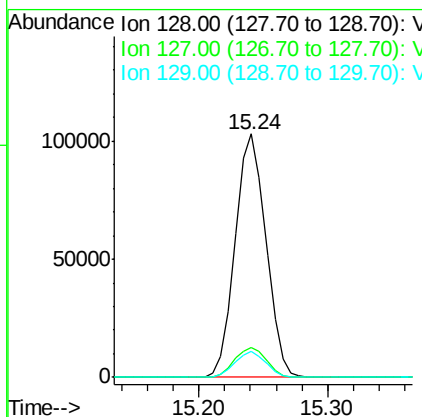
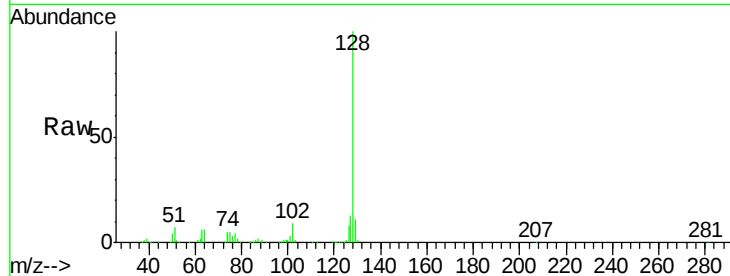
#95
Naphthalene
Concen: 21.519 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	171290		
127	12.7		10.1	15.1
129	10.8		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.350 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	63832		
182	96.3		48.0	144.2
145	35.2		17.8	53.5

