

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
 Data File : VY001293.D
 Acq On : 20 Jan 2020 14:20
 Operator : SY/MD
 Sample : VY0120SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0120SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 10:59:55 AM

Quant Time: Jan 21 07:18:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 06:54:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	192924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	336295	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	303502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	145527	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	102750	50.43	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.86%	
35) Dibromofluoromethane	7.74	113	94745	48.12	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	10.19	98	393481	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.49	95	144070	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	27287	18.417	ug/l	96
3) Chloromethane	2.12	50	43424	20.333	ug/l	99
4) Vinyl Chloride	2.26	62	45797	21.286	ug/l	97
5) Bromomethane	2.65	94	30867	26.708	ug/l	96
6) Chloroethane	2.80	64	29580	23.797	ug/l	98
7) Trichlorofluoromethane	3.13	101	60084	20.063	ug/l	94
8) Diethyl Ether	3.54	74	25414	21.839	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	38212	19.822	ug/l	99
10) Methyl Iodide	4.11	142	49080	18.601	ug/l	97
11) Tert butyl alcohol	4.98	59	33612	163.952	ug/l #	82
12) 1,1-Dichloroethene	3.89	96	39635	20.096	ug/l	98
13) Acrolein	3.74	56	21284	115.322	ug/l	94
14) Allyl chloride	4.50	41	70714	21.244	ug/l	99
15) Acrylonitrile	5.19	53	65073	111.809	ug/l	99
16) Acetone	3.97	43	57550	121.614	ug/l	99
17) Carbon Disulfide	4.21	76	119693	18.751	ug/l	100
18) Methyl Acetate	4.50	43	34056	21.767	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	117479	21.534	ug/l	98
20) Methylene Chloride	4.74	84	56990	22.842	ug/l	93
21) trans-1,2-Dichloroethene	5.24	96	46224	20.670	ug/l	94
22) Diisopropyl ether	6.15	45	149700	22.019	ug/l	99
23) Vinyl Acetate	6.08	43	482196	110.899	ug/l	99
24) 1,1-Dichloroethane	6.05	63	80715	21.686	ug/l	99
25) 2-Butanone	7.01	43	89321	121.278	ug/l	97
26) 2,2-Dichloropropane	7.01	77	70564	20.617	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	53544	21.851	ug/l	99
28) Bromochloromethane	7.35	49	30714	20.095	ug/l	95
29) Tetrahydrofuran	7.37	42	56539	112.020	ug/l	96
30) Chloroform	7.53	83	78021	21.394	ug/l	99
31) Cyclohexane	7.80	56	75817	19.239	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	66159	20.446	ug/l	99
36) 1,1-Dichloropropene	7.94	75	62307	20.328	ug/l	99
37) Ethyl Acetate	7.10	43	39680	22.059	ug/l	96
38) Carbon Tetrachloride	7.92	117	56455	20.098	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
 Data File : VY001293.D
 Acq On : 20 Jan 2020 14:20
 Operator : SY/MD
 Sample : VY0120SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0120SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 10:59:55 AM

Quant Time: Jan 21 07:18:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 06:54:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	79409	19.110	ug/l	99
40) Benzene	8.18	78	190686	21.312	ug/l	100
41) Methacrylonitrile	7.35	41	24863m	29.424	ug/l	
42) 1,2-Dichloroethane	8.26	62	53824	21.484	ug/l	98
43) Isopropyl Acetate	8.29	43	74702	21.717	ug/l	98
44) Trichloroethene	8.96	130	49464	21.216	ug/l	99
45) 1,2-Dichloropropane	9.24	63	47897	21.654	ug/l	99
46) Dibromomethane	9.32	93	25668	21.268	ug/l	99
47) Bromodichloromethane	9.51	83	62415	21.220	ug/l	99
48) Methyl methacrylate	9.31	41	33944	21.325	ug/l	99
49) 1,4-Dioxane	9.31	88	7178	488.378	ug/l #	91
51) 4-Methyl-2-Pentanone	10.08	43	192002	110.007	ug/l	98
52) Toluene	10.25	92	122263	21.425	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	68144	20.704	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	78643	21.193	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	39035	21.817	ug/l	97
56) Ethyl methacrylate	10.52	69	57605	21.048	ug/l	100
57) 1,3-Dichloropropane	10.80	76	65699	21.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	100635	104.546	ug/l	100
59) 2-Hexanone	10.85	43	134327	109.815	ug/l	98
60) Dibromochloromethane	11.00	129	43927	21.324	ug/l	99
61) 1,2-Dibromoethane	11.10	107	36030	20.624	ug/l	98
64) Tetrachloroethene	10.73	164	37713	19.276	ug/l	97
65) Chlorobenzene	11.53	112	126438	20.849	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	44868	21.466	ug/l	99
67) Ethyl Benzene	11.60	91	232867	20.991	ug/l	99
68) m/p-Xylenes	11.71	106	174868	41.785	ug/l	100
69) o-Xylene	12.04	106	84683	21.105	ug/l	99
70) Styrene	12.05	104	146886	20.864	ug/l	99
71) Bromoform	12.22	173	25689	19.929	ug/l #	100
73) Isopropylbenzene	12.34	105	225149	20.580	ug/l	100
74) N-amyl acetate	12.16	43	70523	20.655	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.60	83	47283	20.542	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	32618m	20.937	ug/l	
77) Bromobenzene	12.62	156	50860	21.039	ug/l	95
78) n-propylbenzene	12.68	91	268341	20.391	ug/l	99
79) 2-Chlorotoluene	12.77	91	155107	20.523	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	188283	20.626	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	17164	18.683	ug/l #	96
82) 4-Chlorotoluene	12.86	91	163174	20.224	ug/l	99
83) tert-Butylbenzene	13.08	119	155609	20.287	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	189934	20.952	ug/l	99
85) sec-Butylbenzene	13.27	105	226969	20.569	ug/l	99
86) p-Isopropyltoluene	13.38	119	202499	21.136	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	99646	21.796	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	99963	21.245	ug/l	99
89) n-Butylbenzene	13.70	91	204497	21.193	ug/l	98
90) Hexachloroethane	13.97	117	38021	20.310	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	90756	21.360	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8293	19.973	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
Data File : VY001293.D
Acq On : 20 Jan 2020 14:20
Operator : SY/MD
Sample : VY0120SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBSD01

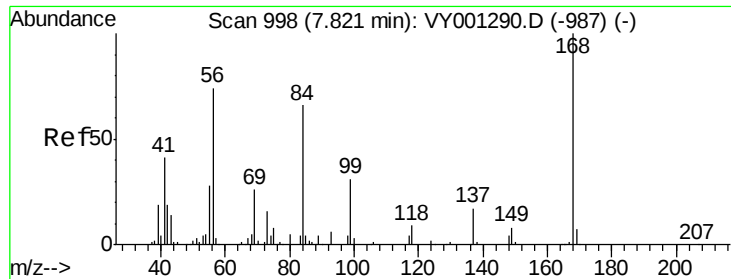
Manual Integrations
APPROVED

MMDadoda
1/21/2020 10:59:55 AM

Quant Time: Jan 21 07:18:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 21 06:54:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	62477	22.317	ug/l	99
94) Hexachlorobutadiene	15.12	225	30315	21.495	ug/l	99
95) Naphthalene	15.25	128	138436	21.241	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	54700	22.171	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0120SBS01

Tot Ion:168 Resp: 192924

Ion Ratio Lower Upper

168 100

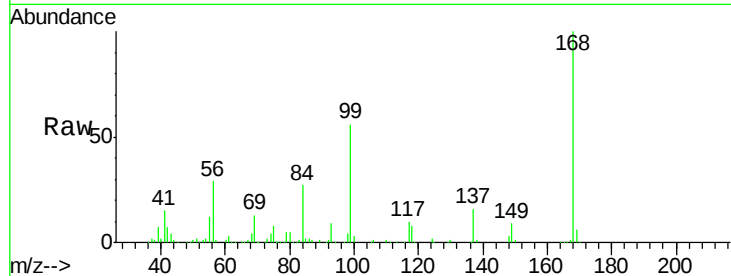
99 55.5 47.9 71.9

Manual Integrations

APPROVED

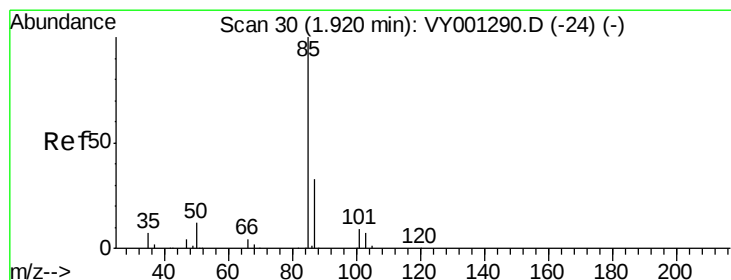
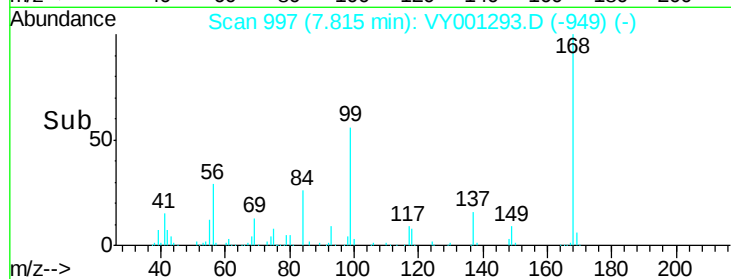
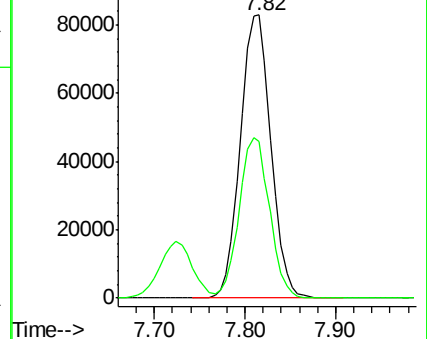
MMDadoda

1/21/2020 10:59:55 AM



Abundance Ion 167.90 (167.60 to 168.60): VY001290.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001290.D (-987) (-)



#2

Dichlorodifluoromethane

Concen: 18.417 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001293.D

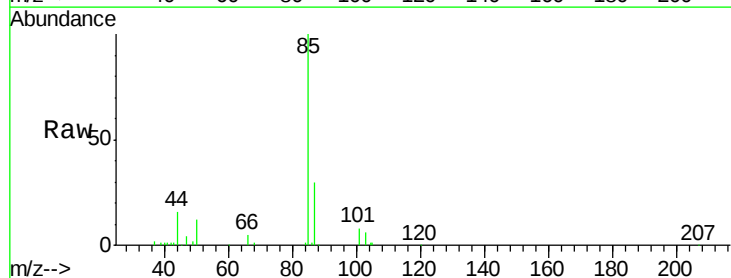
Acq: 20 Jan 2020 14:20

Tgt Ion: 85 Resp: 27287

Ion Ratio Lower Upper

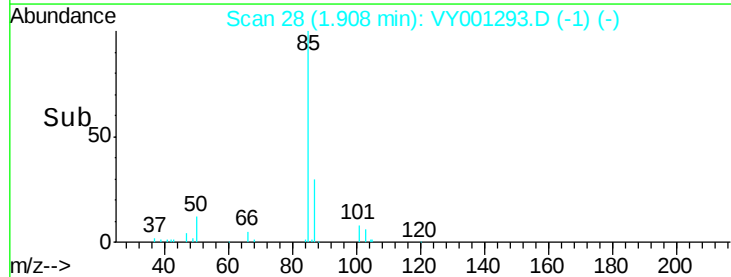
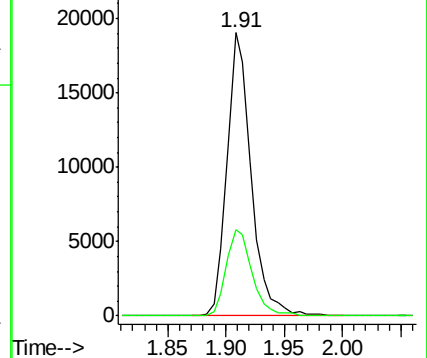
85 100

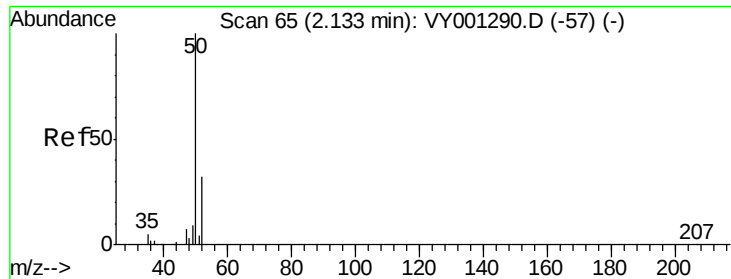
87 30.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001290.D (-24) (-)

Ion 86.90 (86.60 to 87.60): VY001290.D (-24) (-)





#3

Chloromethane

Concen: 20.333 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0120SBS01

Tot Ion: 50 Resp: 43424

Ion Ratio Lower Upper

50 100

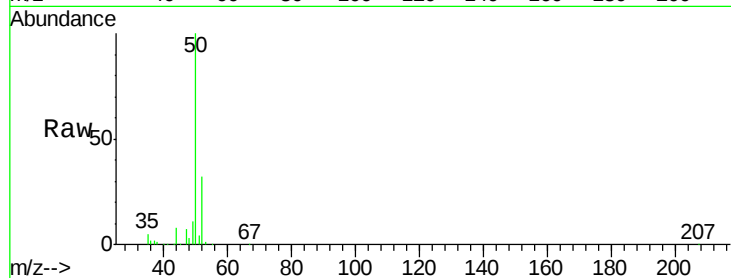
52 31.5 25.8 38.6

Manual Integrations

APPROVED

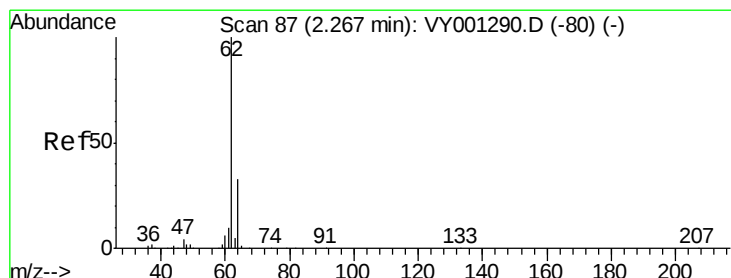
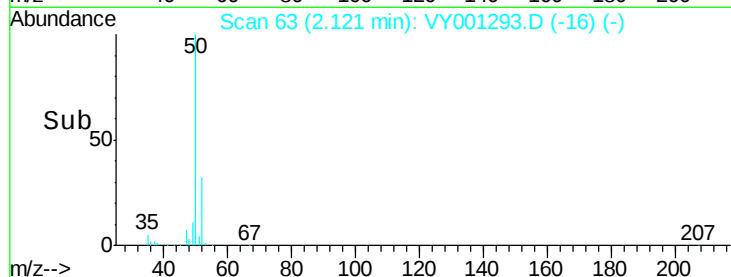
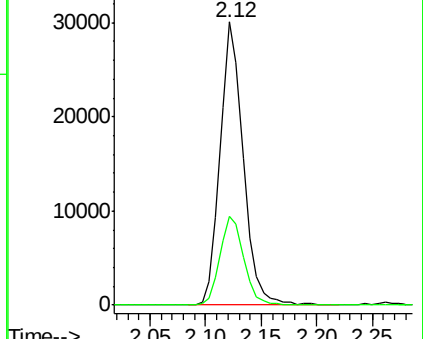
MMDadoda

1/21/2020 10:59:55 AM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 21.286 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY001293.D

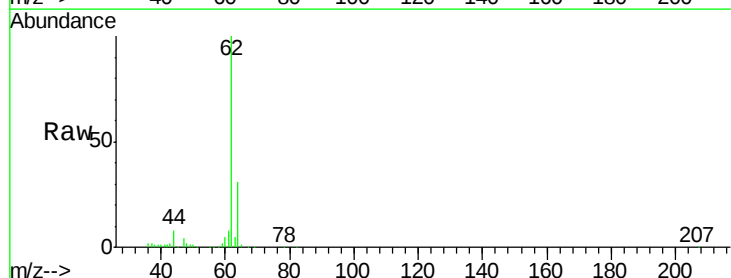
Acq: 20 Jan 2020 14:20

Tgt Ion: 62 Resp: 45797

Ion Ratio Lower Upper

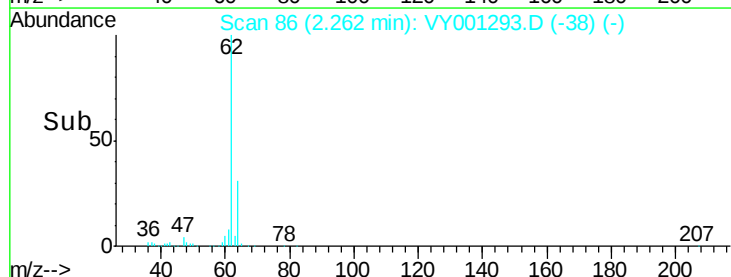
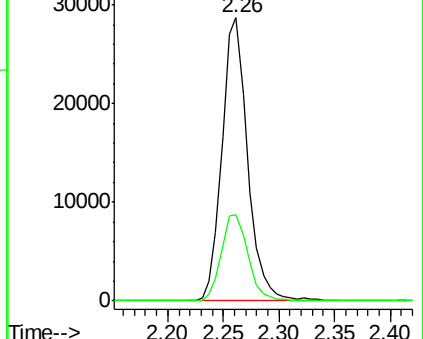
62 100

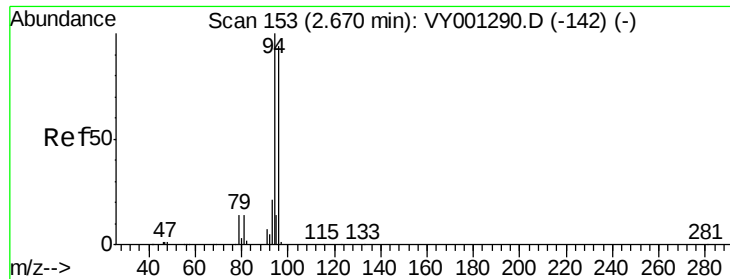
64 30.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 26.708 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.02 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0120SBS01

Tot Ion: 94 Resp: 30867

Ion Ratio Lower Upper

94 100

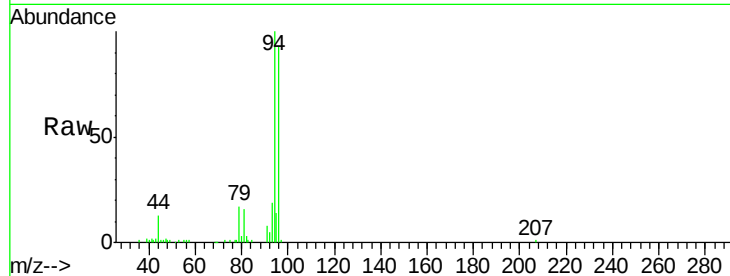
96 92.5 77.3 115.9

Manual Integrations

APPROVED

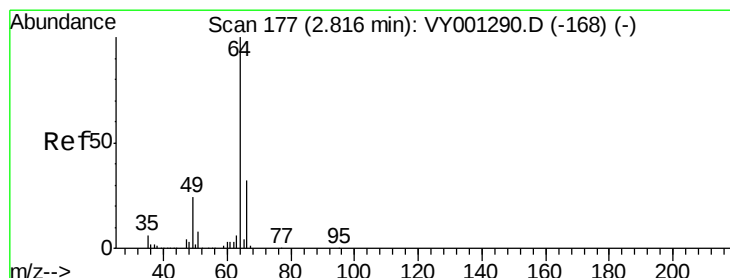
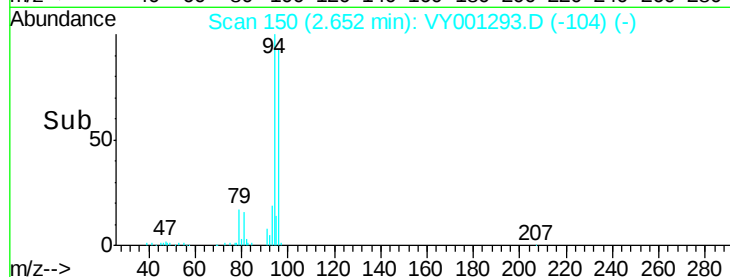
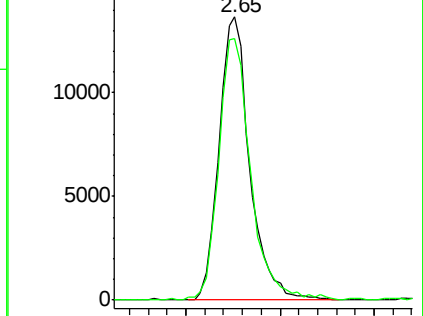
MMDadoda

1/21/2020 10:59:55 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 23.797 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001293.D

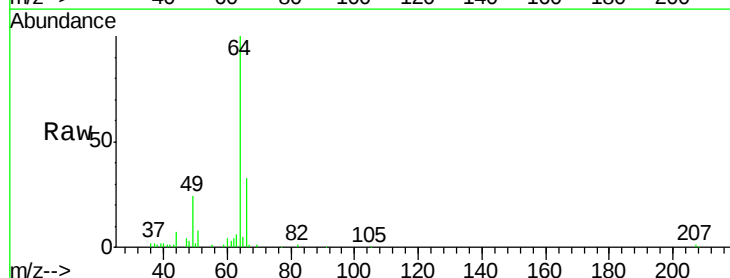
Acq: 20 Jan 2020 14:20

Tgt Ion: 64 Resp: 29580

Ion Ratio Lower Upper

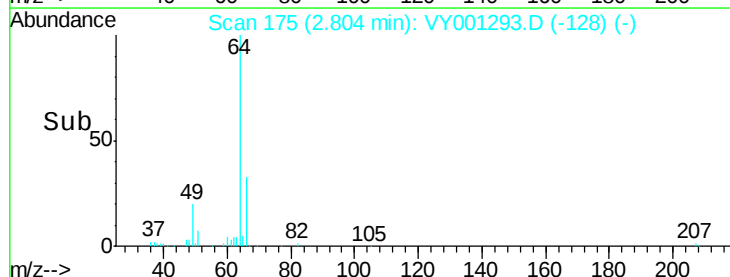
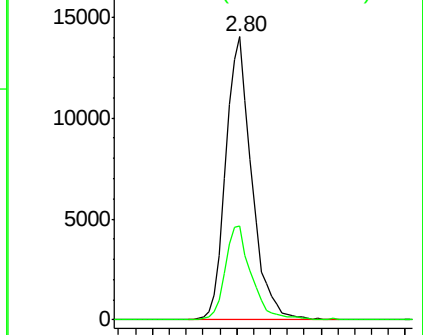
64 100

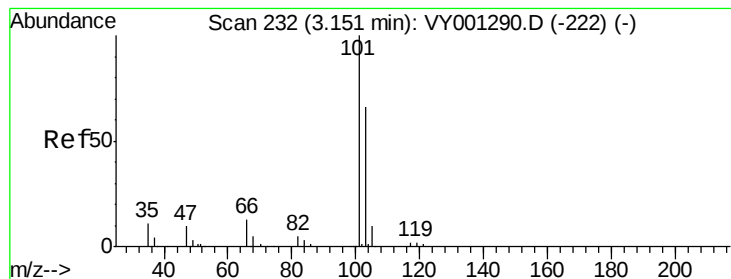
66 33.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

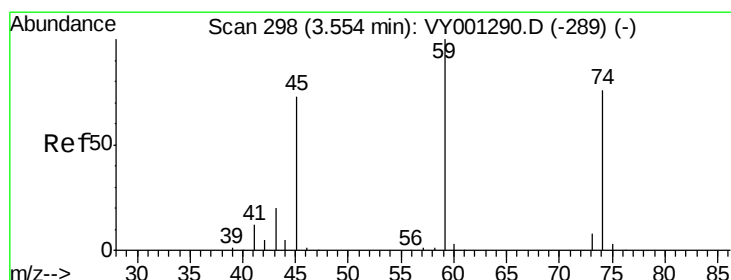
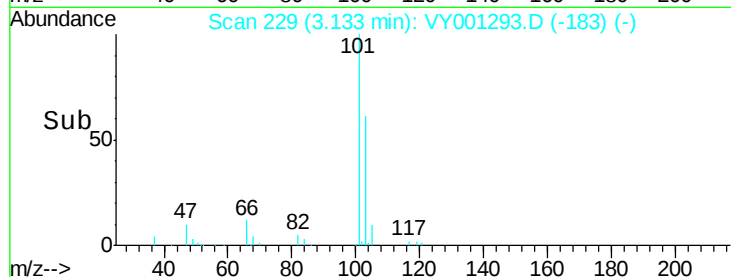
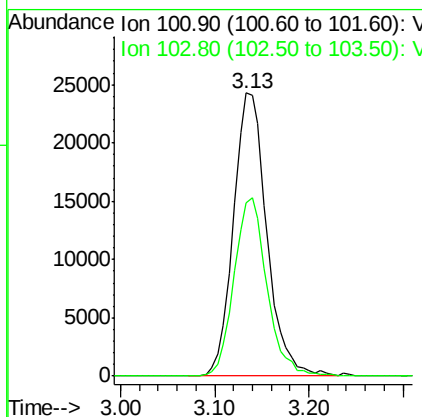
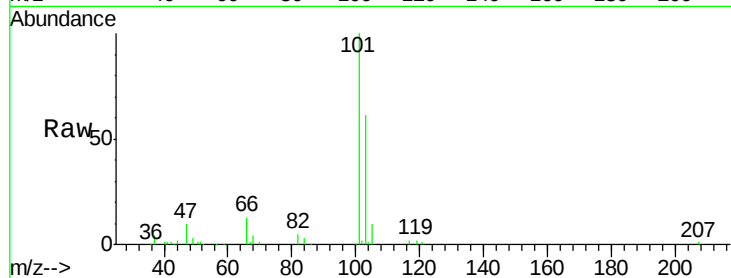
Trichlorofluoromethane
Concen: 20.063 ug/l
RT: 3.13 min Scan# 229
Delta R.T. -0.02 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

Tot Ion:101 Resp: 60084
Ion Ratio Lower Upper
101 100
103 61.4 52.6 79.0

Manual Integrations
APPROVED

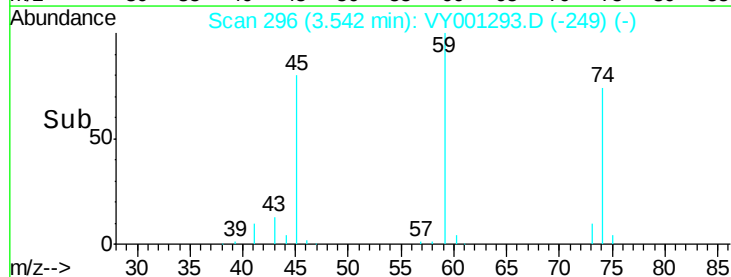
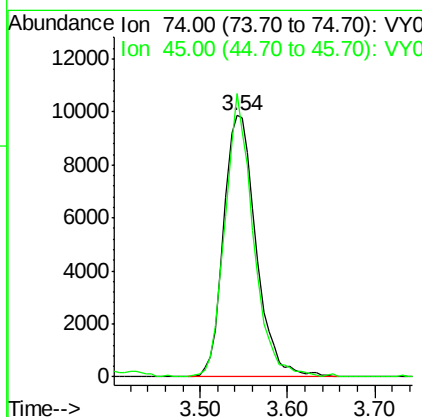
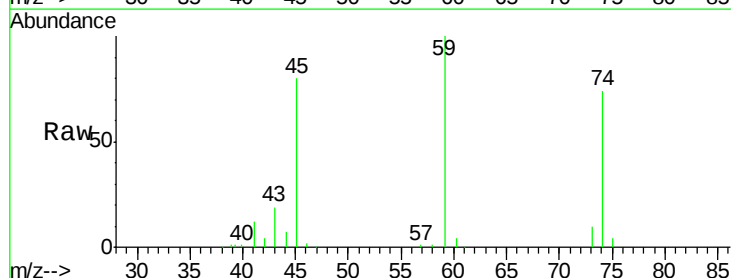
MMDadoda
1/21/2020 10:59:55 AM

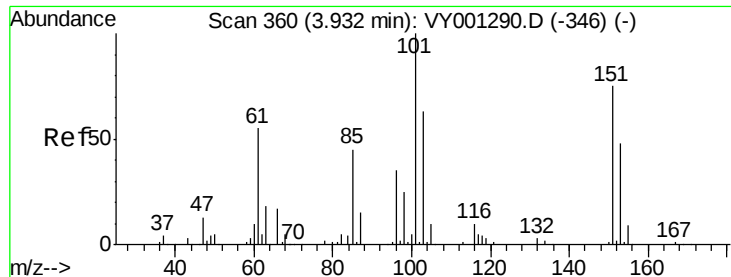


#8

Diethyl Ether
Concen: 21.839 ug/l
RT: 3.54 min Scan# 296
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion: 74 Resp: 25414
Ion Ratio Lower Upper
74 100
45 94.4 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.822 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.02 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

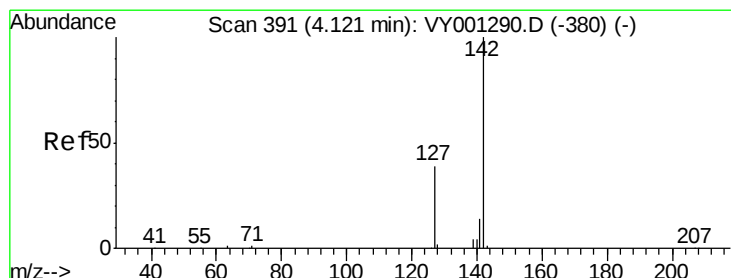
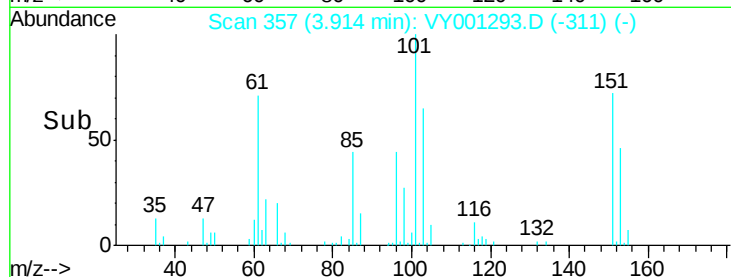
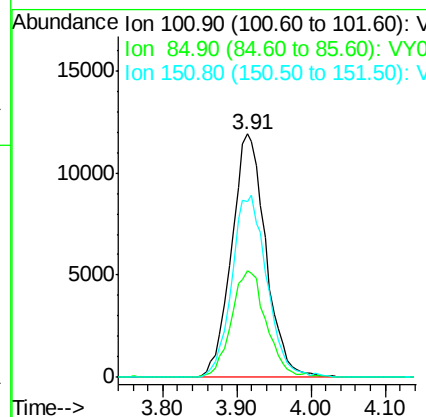
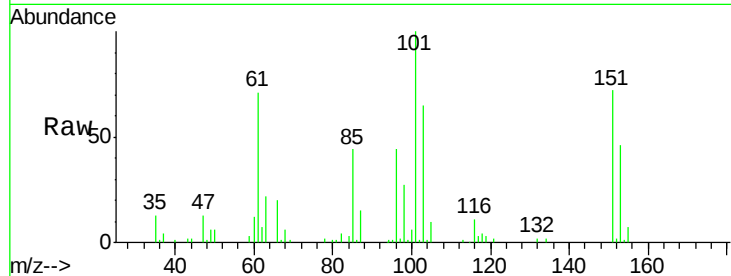
ClientSampleId :

VY0120SBS01

Tot Ion:	101	Resp:	38212
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.2	52.8
151	76.4	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
1/21/2020 10:59:55 AM



#10

Methyl Iodide

Concen: 18.601 ug/l

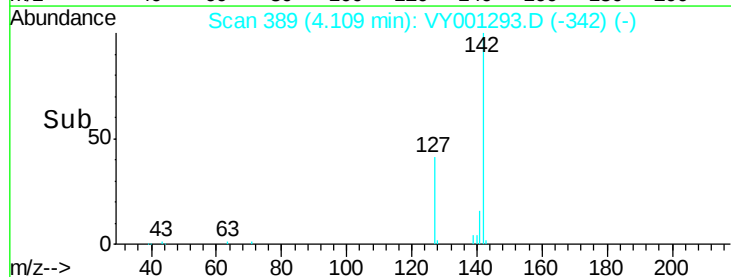
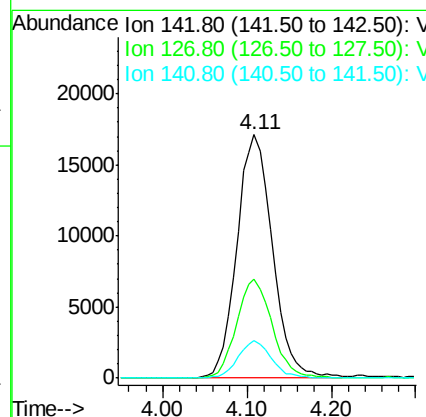
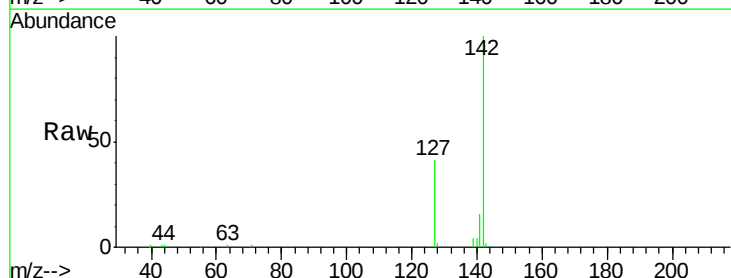
RT: 4.11 min Scan# 389

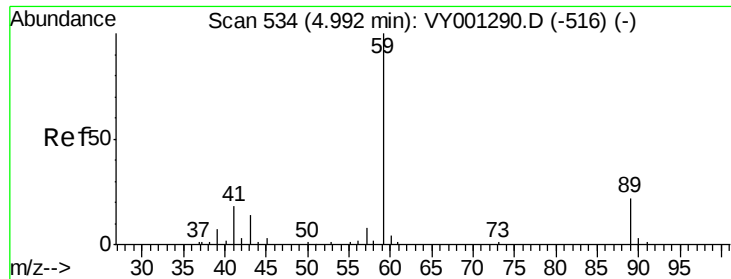
Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Tgt Ion:	142	Resp:	49080
Ion Ratio	Lower	Upper	
142	100		
127	40.4	30.8	46.2
141	14.3	11.0	16.4





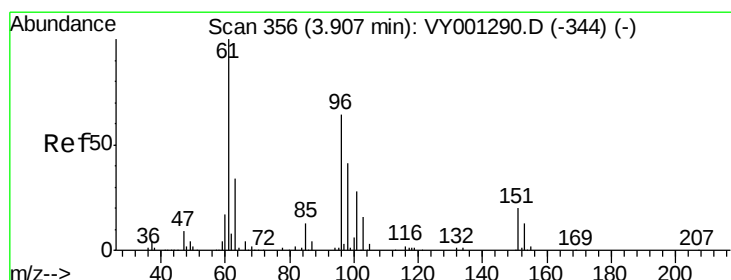
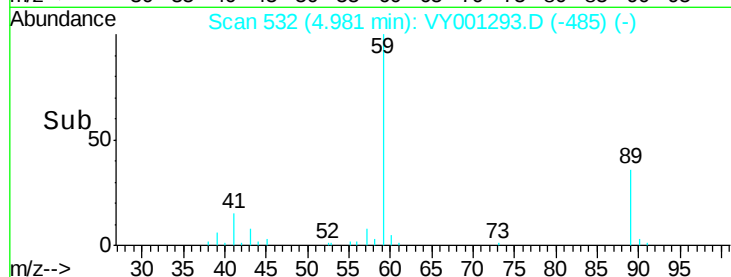
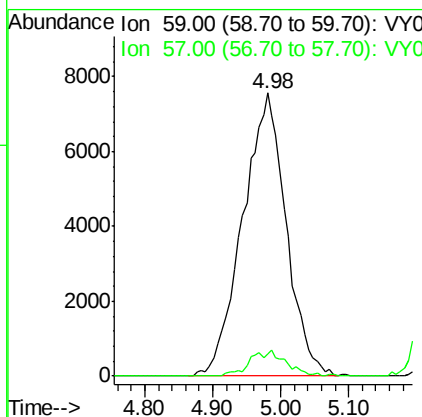
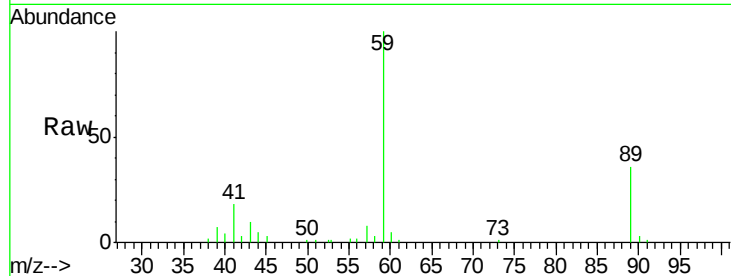
#11
Tert butyl alcohol
Concen: 163.952 ug/l
RT: 4.98 min Scan# 532
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

Tot Ion: 59 Resp: 33612
Ion Ratio Lower Upper
59 100
57 3.3 7.8 11.8#

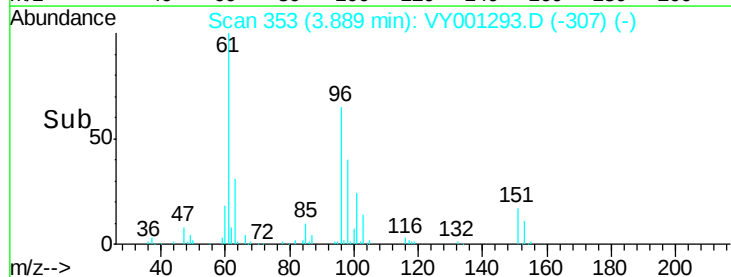
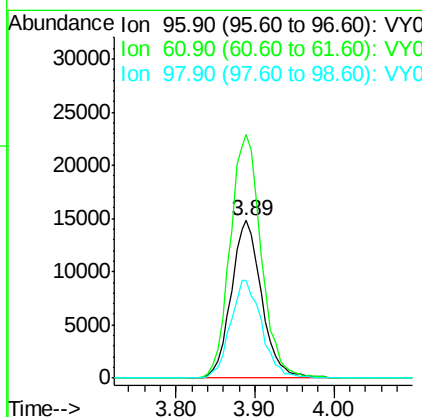
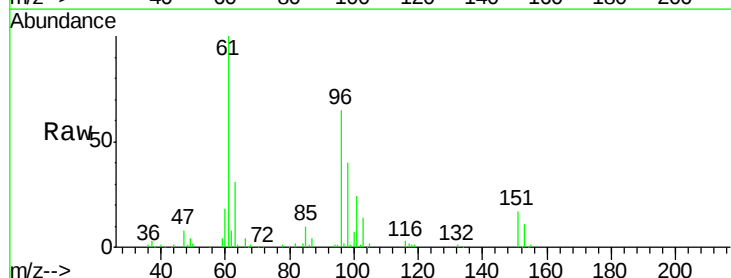
Manual Integrations
APPROVED

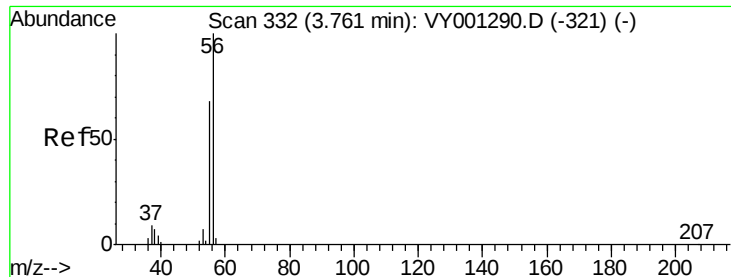
MMDadoda
1/21/2020 10:59:55 AM



#12
1,1-Dichloroethene
Concen: 20.096 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.02 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion: 96 Resp: 39635
Ion Ratio Lower Upper
96 100
61 154.5 122.1 183.1
98 62.0 51.0 76.6





#13

Acrolein

Concen: 115.322 ug/l

RT: 3.74 min Scan# 329

Delta R.T. -0.02 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0120SBS01

Tot Ion: 56 Resp: 21284

Ion Ratio Lower Upper

56 100

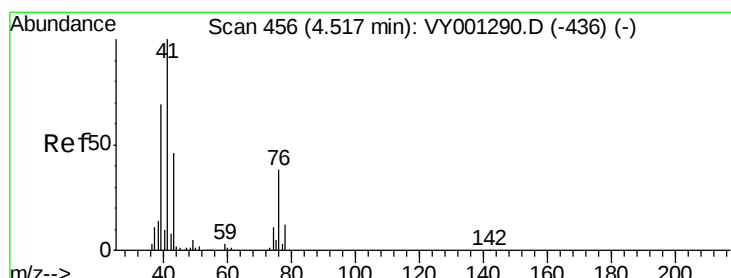
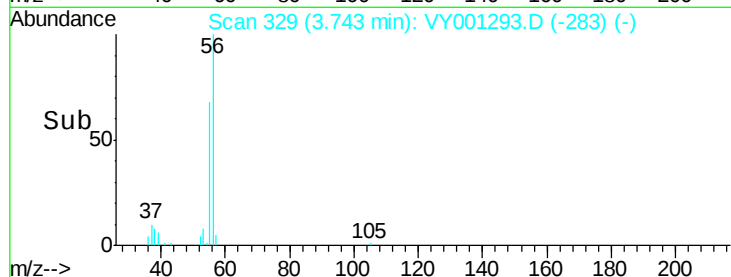
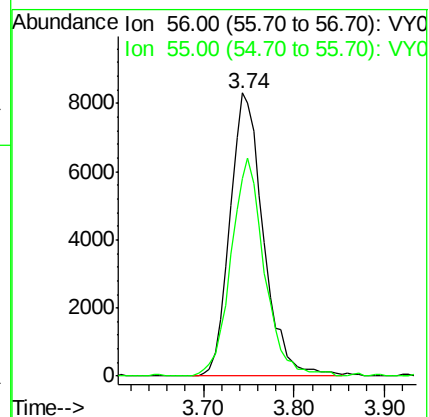
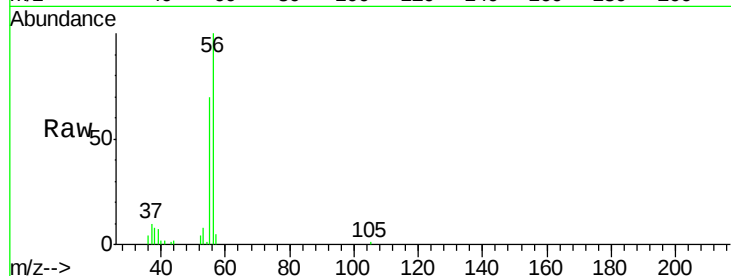
55 76.2 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

1/21/2020 10:59:55 AM



#14

Allyl chloride

Concen: 21.244 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.02 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

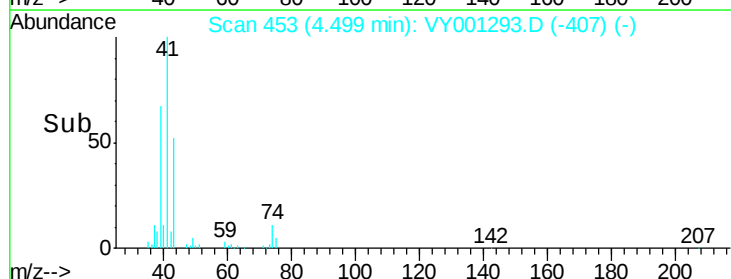
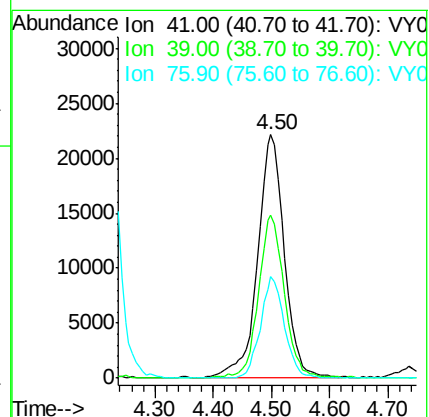
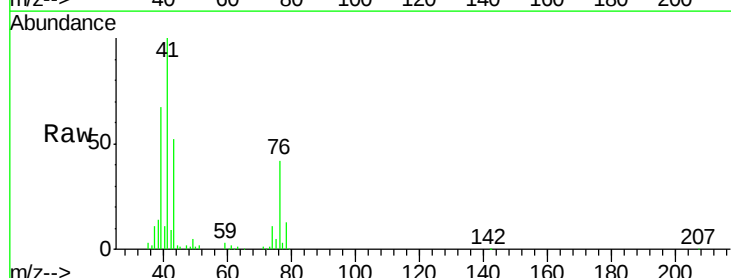
Tgt Ion: 41 Resp: 70714

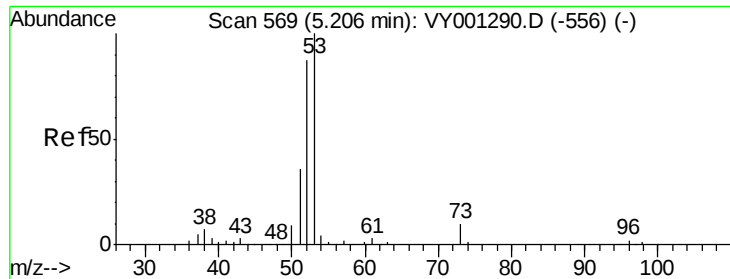
Ion Ratio Lower Upper

41 100

39 64.9 52.6 78.8

76 37.1 30.2 45.2





#15

Acrylonitrile

Concen: 111.809 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.02 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

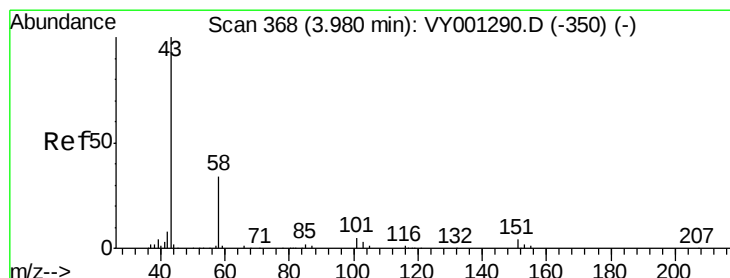
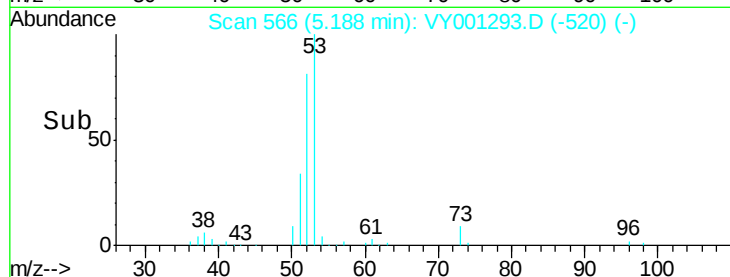
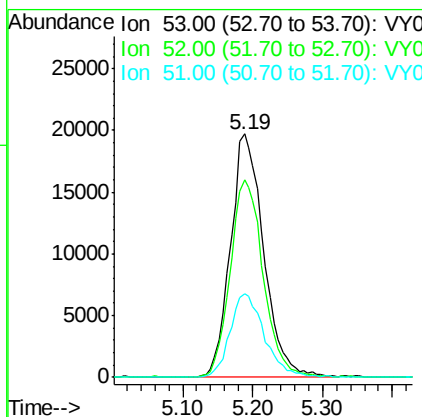
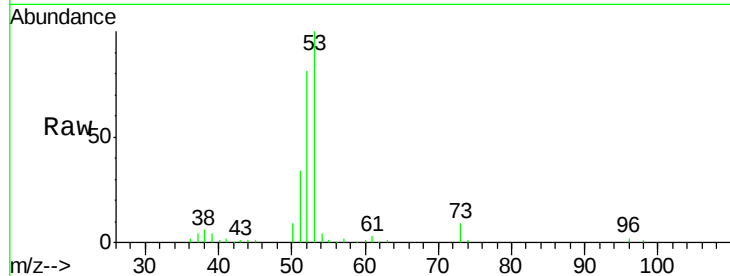
ClientSampleId :

VY0120SBS01

Tot Ion:	53	Resp:	65073
Ion	Ratio	Lower	Upper
53	100		
52	80.8	65.7	98.5
51	35.6	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
1/21/2020 10:59:55 AM



#16

Acetone

Concen: 121.614 ug/l

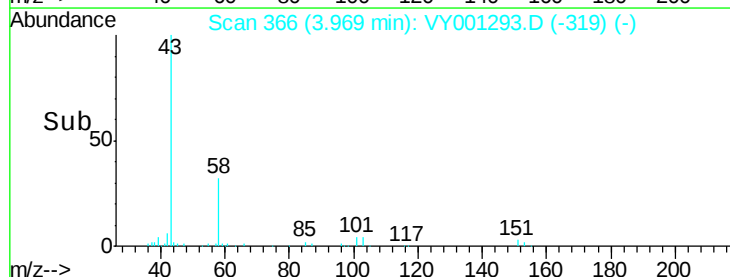
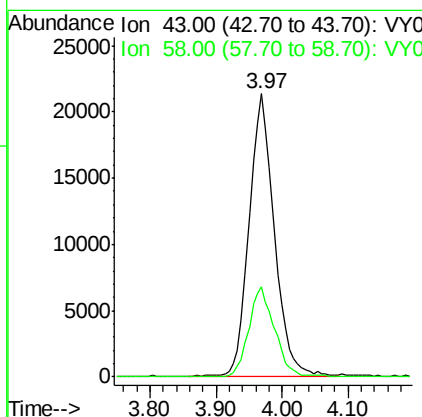
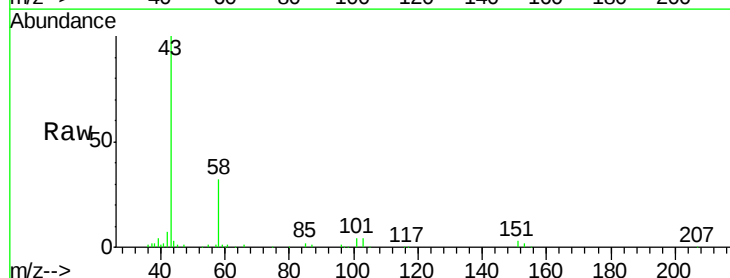
RT: 3.97 min Scan# 366

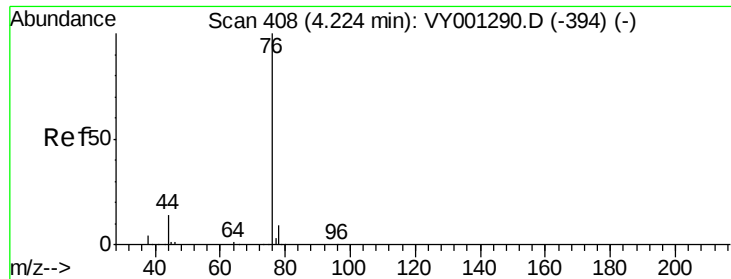
Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Tgt Ion:	43	Resp:	57550
Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.8	38.6





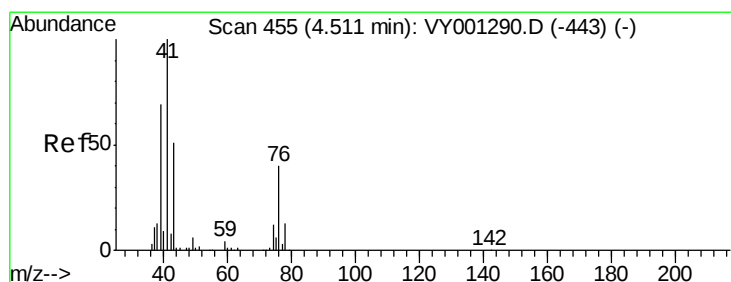
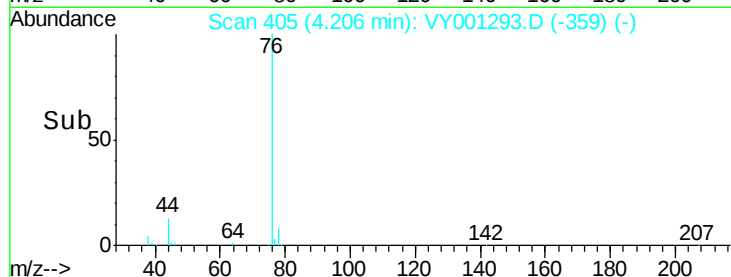
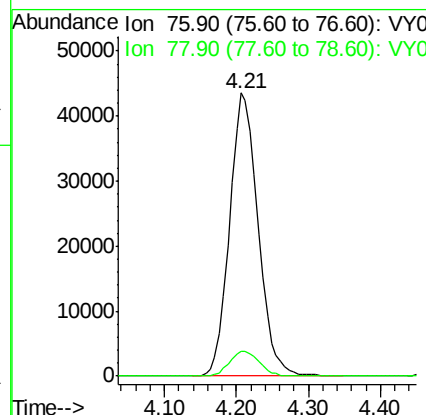
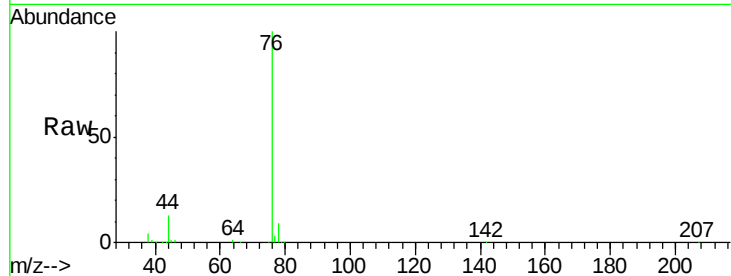
#17
Carbon Disulfide
Concen: 18.751 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.02 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

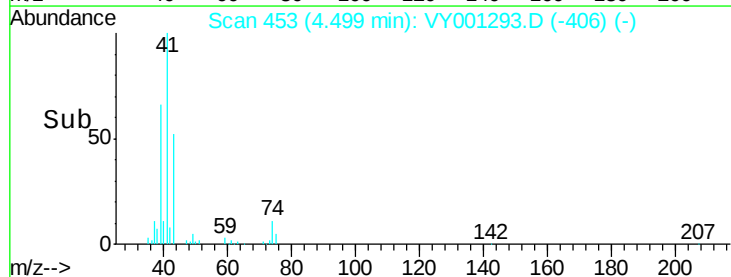
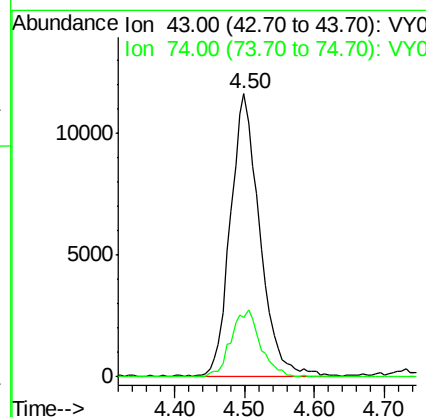
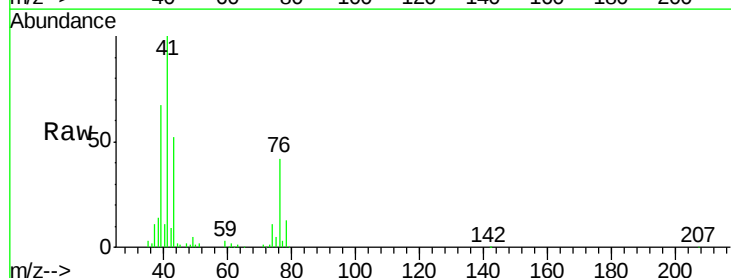
Manual Integrations
APPROVED

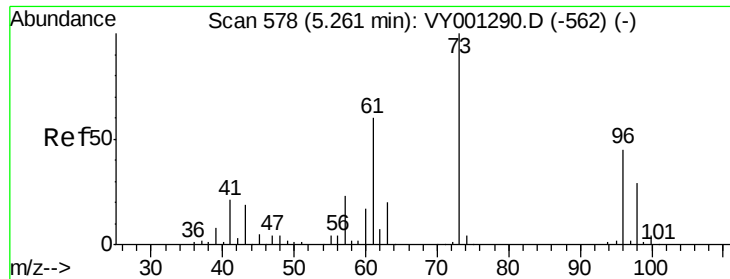
MMDadoda
1/21/2020 10:59:55 AM



#18
Methyl Acetate
Concen: 21.767 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	20.2	30.2





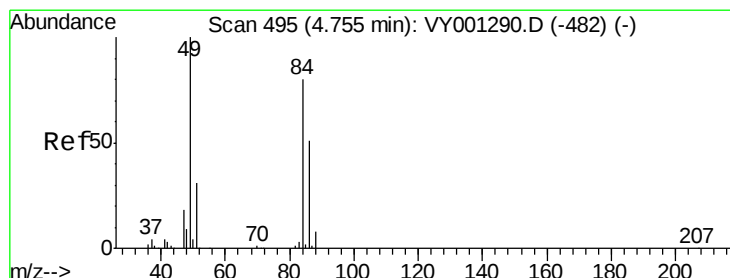
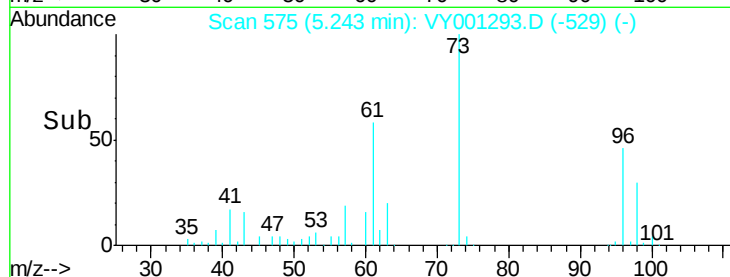
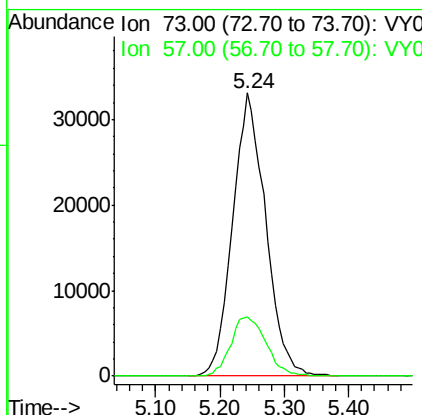
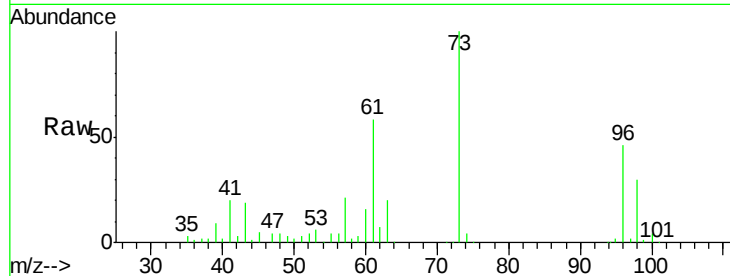
#19
Methvl tert-butvl Ether
Concen: 21.534 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.02 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

Tot Ion: 73 Resp: 117479
Ion Ratio Lower Upper
73 100
57 21.0 17.8 26.6

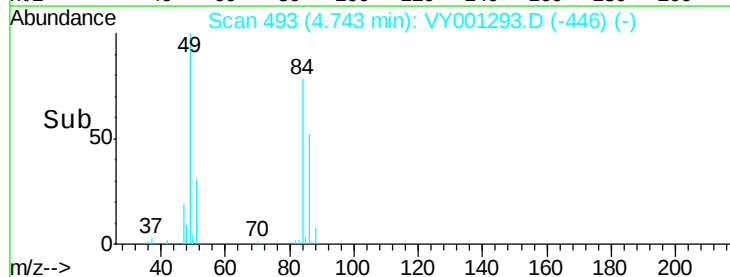
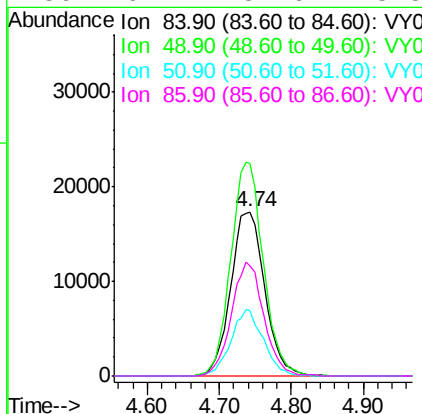
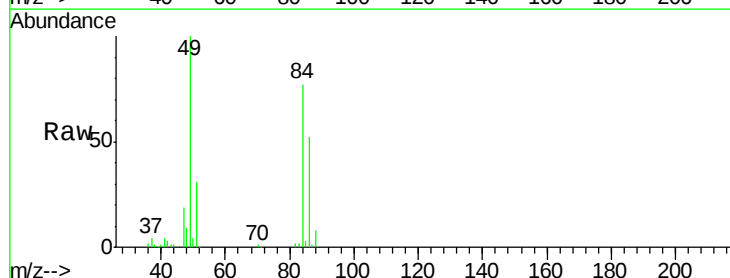
Manual Integrations
APPROVED

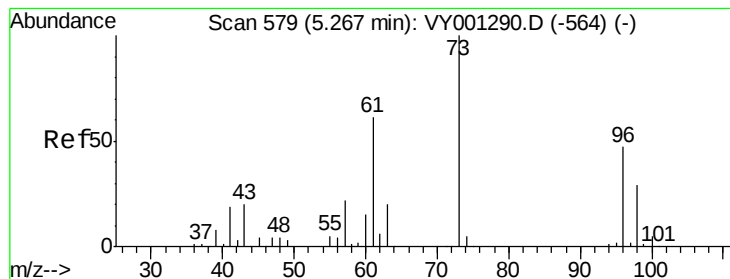
MMDadoda
1/21/2020 10:59:55 AM



#20
Methylene Chloride
Concen: 22.842 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion: 84 Resp: 56990
Ion Ratio Lower Upper
84 100
49 129.4 93.8 140.6
51 39.7 29.9 44.9
86 67.1 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 20.670 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.02 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0120SBS01

Tot Ion: 96 Resp: 46224

Ion Ratio Lower Upper

96 100

61 127.9 107.6 161.4

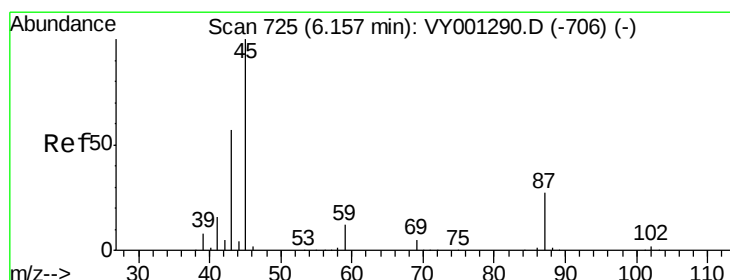
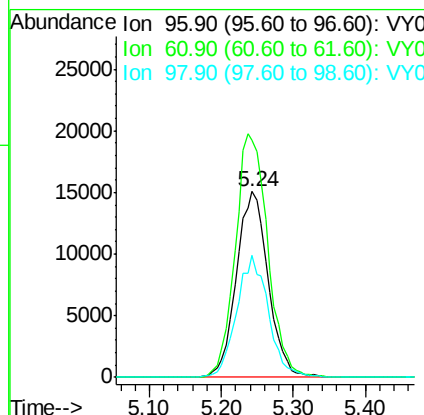
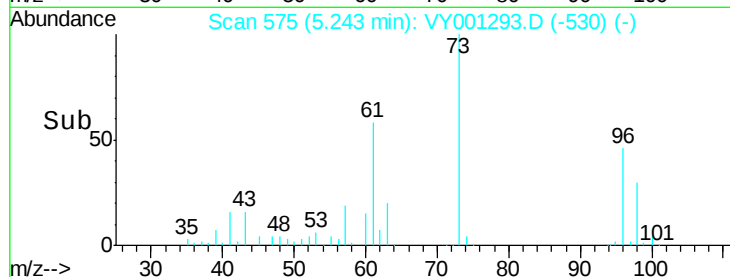
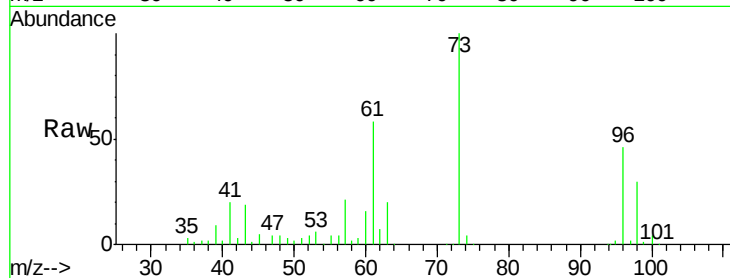
98 65.4 47.6 71.4

Manual Integrations

APPROVED

MMDadoda

1/21/2020 10:59:55 AM



#22

Diisopropyl ether

Concen: 22.019 ug/l

RT: 6.15 min Scan# 723

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Tgt Ion: 45 Resp: 149700

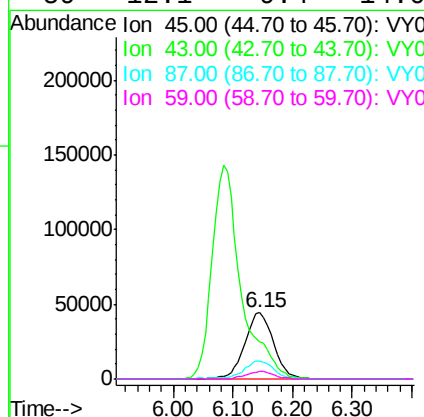
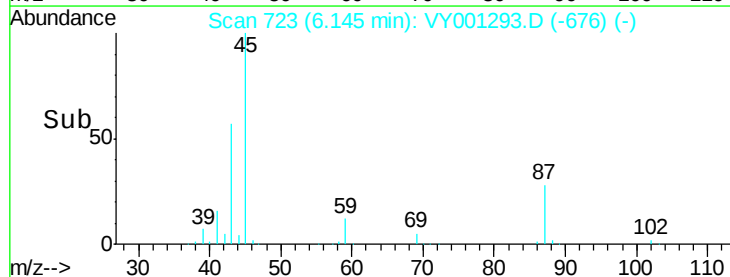
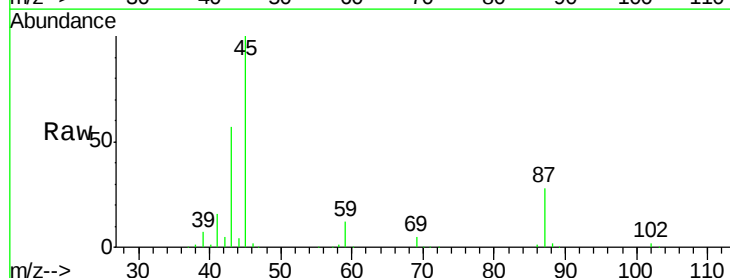
Ion Ratio Lower Upper

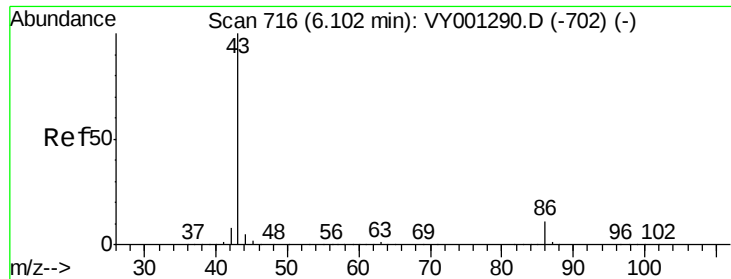
45 100

43 56.4 46.5 69.7

87 28.1 22.5 33.7

59 12.1 9.4 14.0





#23

Vinyl Acetate

Concen: 110.899 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.02 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0120SBS01

Tot Ion: 43 Resp: 482196

Ion Ratio Lower Upper

43 100

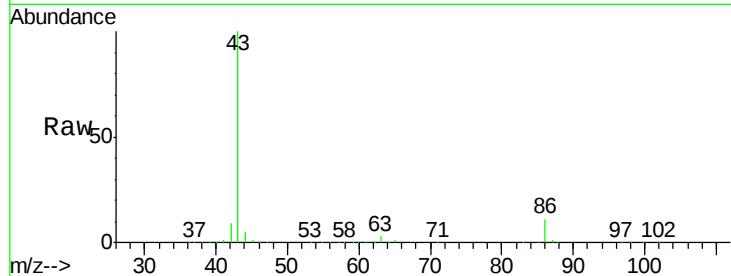
86 10.7 9.0 13.4

Manual Integrations

APPROVED

MMDadoda

1/21/2020 10:59:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.08

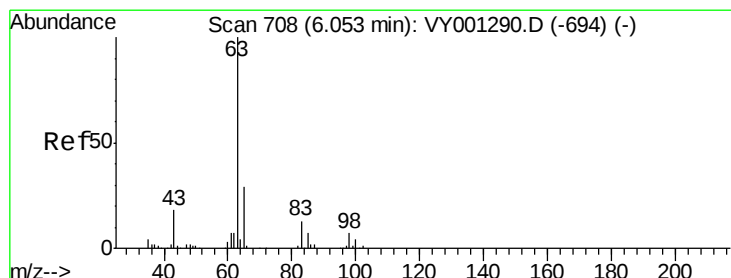
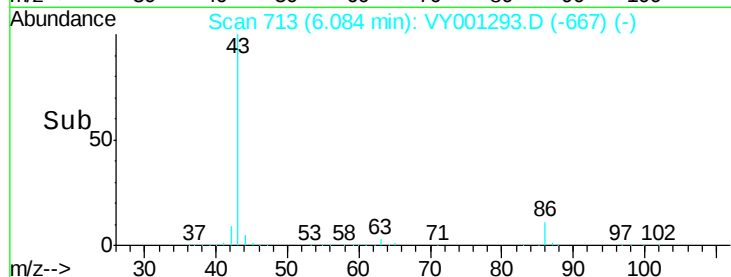
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 21.686 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

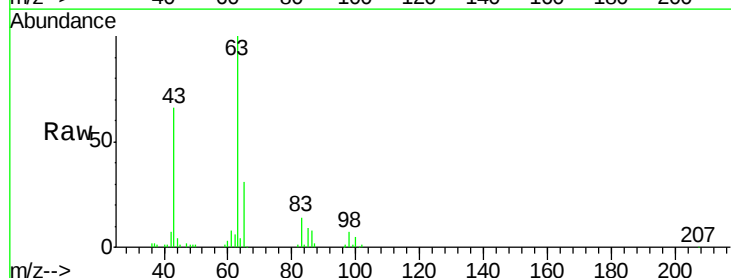
Tgt Ion: 63 Resp: 80715

Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.7

100 5.3 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.05

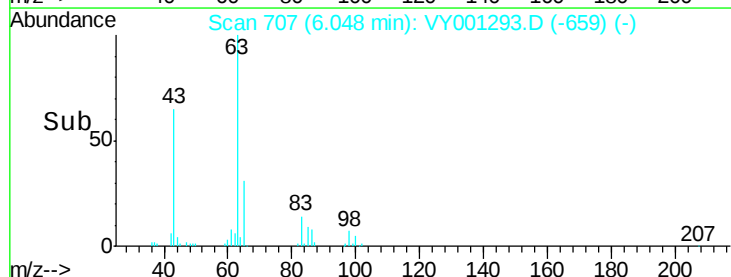
30000

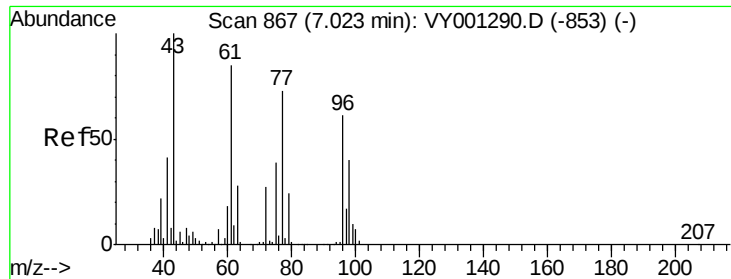
20000

10000

0

Time--> 5.90 6.00 6.10 6.20





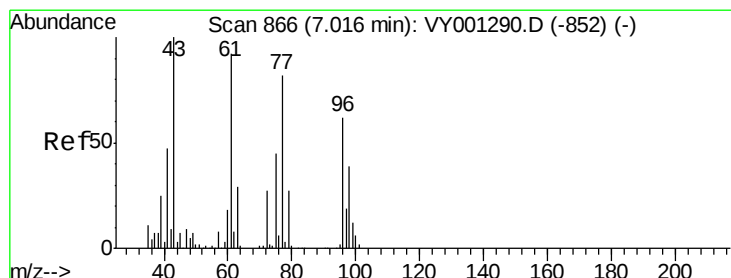
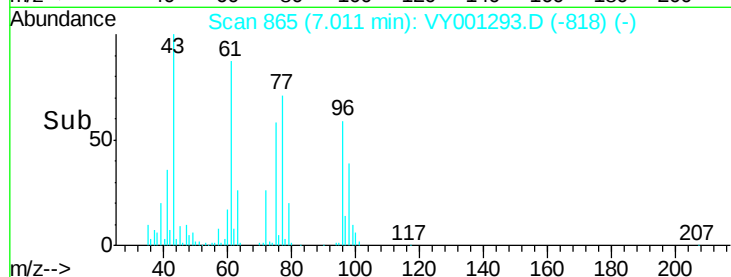
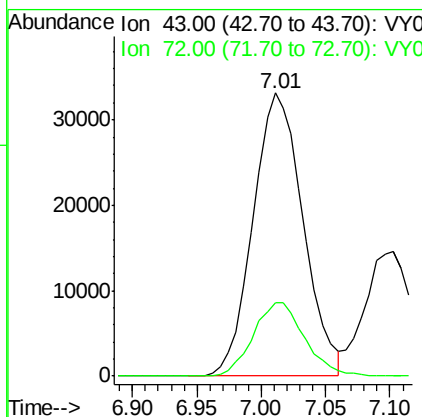
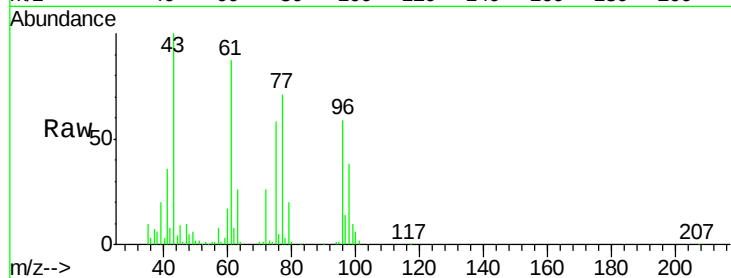
#25
2-Butanone
Concen: 121.278 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

Tot Ion: 43 Resp: 89321
Ion Ratio Lower Upper
43 100
72 25.9 22.2 33.2

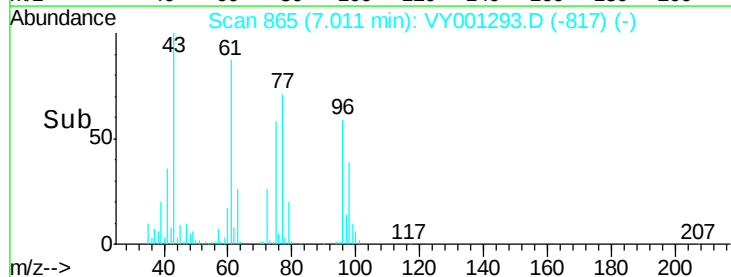
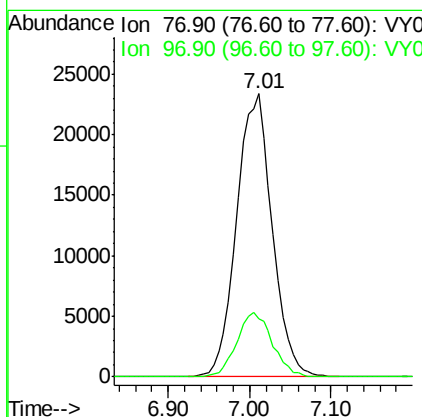
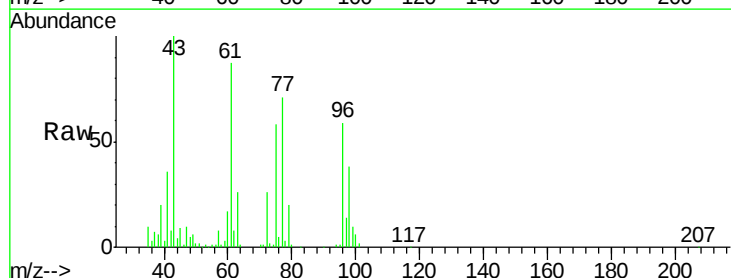
Manual Integrations
APPROVED

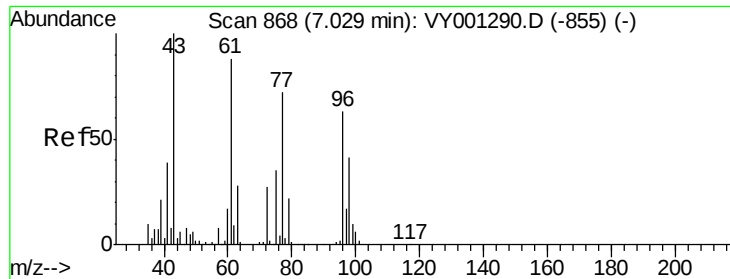
MMDadoda
1/21/2020 10:59:55 AM



#26
2,2-Dichloropropane
Concen: 20.617 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion: 77 Resp: 70564
Ion Ratio Lower Upper
77 100
97 22.7 11.9 35.7





#27

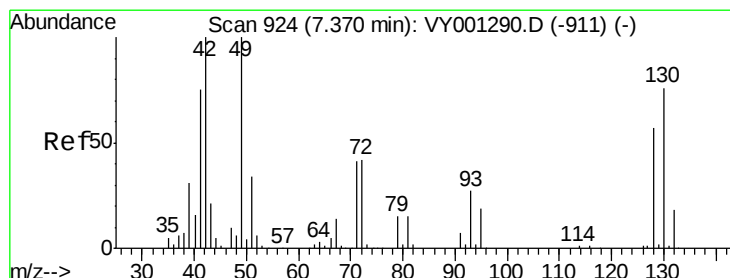
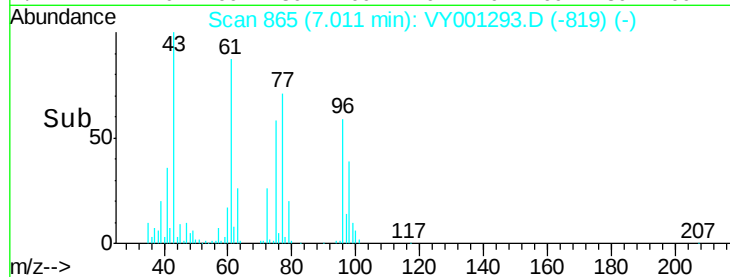
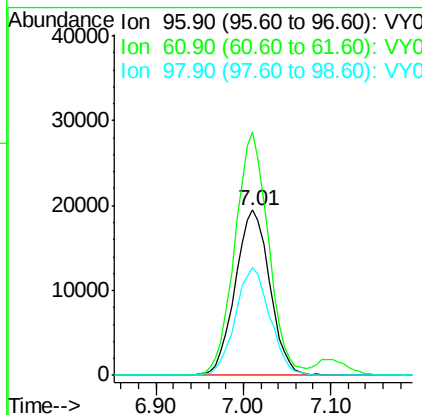
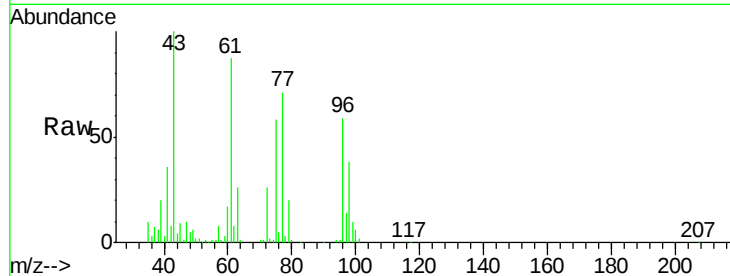
cis-1,2-Dichloroethene
Concen: 21.851 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.02 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	284.0
98	65.2	0.0	130.2

Manual Integrations
APPROVED

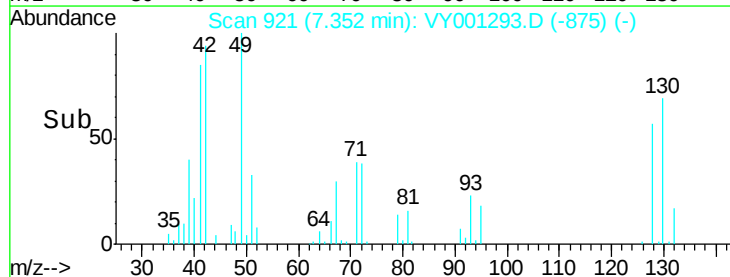
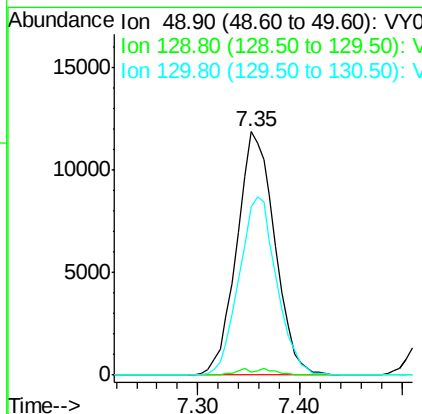
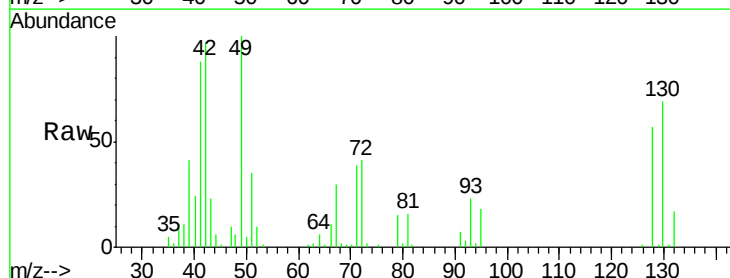
MMDadoda
1/21/2020 10:59:55 AM

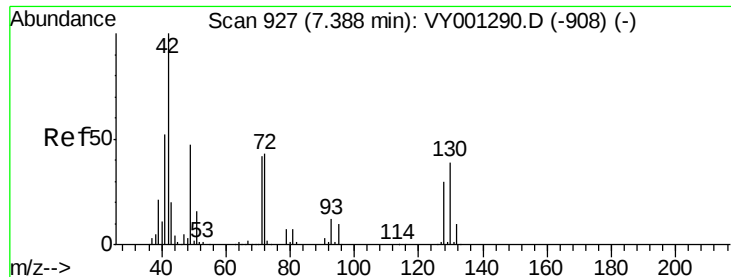


#28

Bromochloromethane
Concen: 20.095 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.02 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.4
130	72.4	61.2	91.8





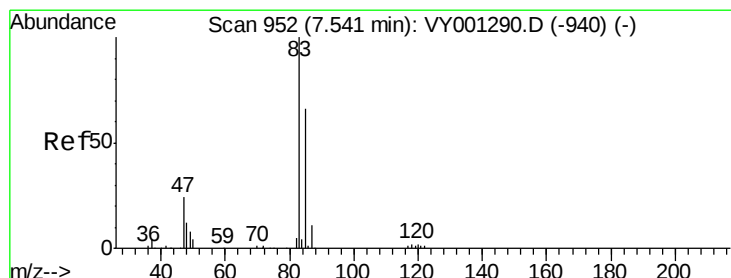
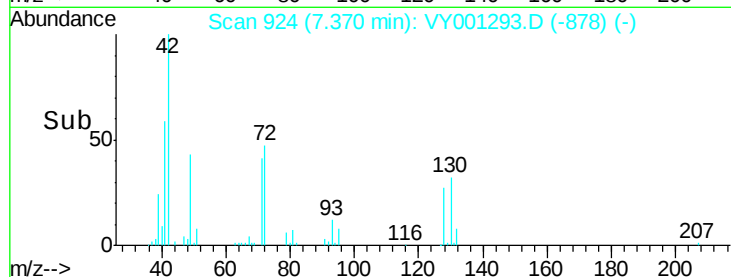
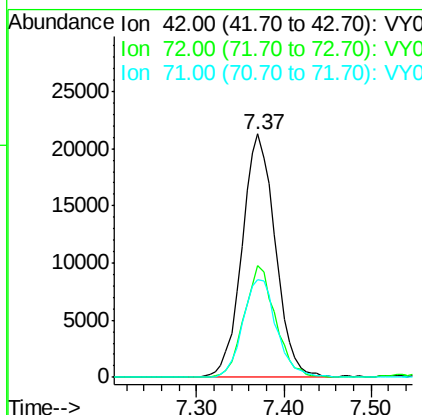
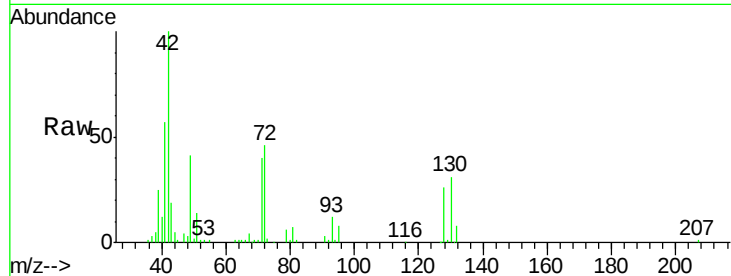
#29
Tetrahydrofuran
Concen: 112.020 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.02 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	36.9	55.3
71	40.7	34.0	51.0

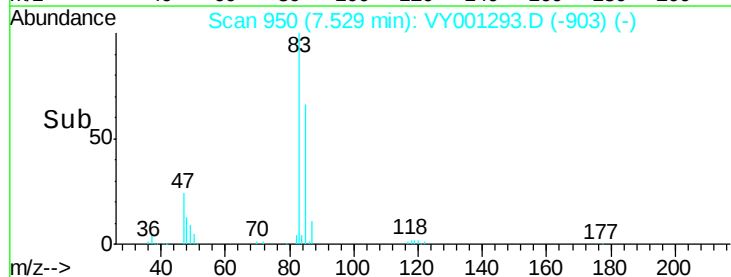
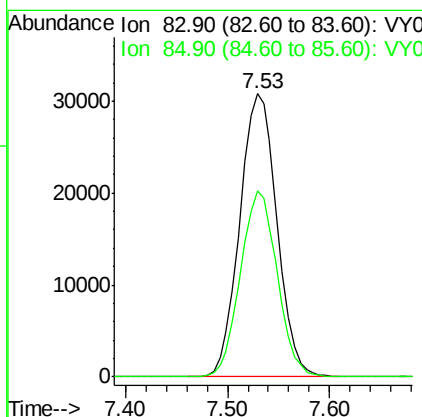
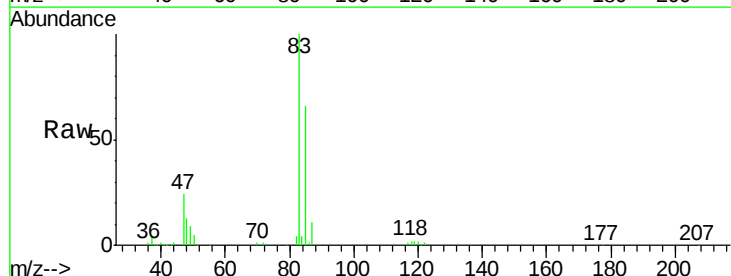
Manual Integrations
APPROVED

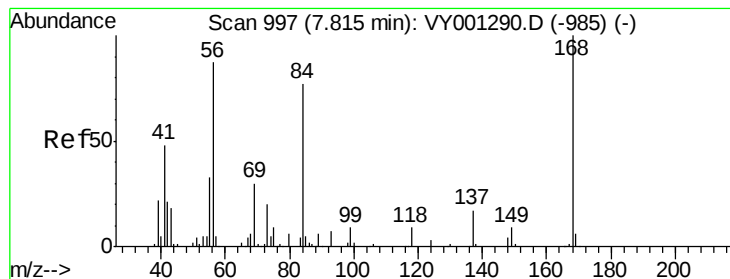
MMDadoda
1/21/2020 10:59:55 AM



#30
Chloroform
Concen: 21.394 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.9	77.9





#31

Cyclohexane

Concen: 19.239 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

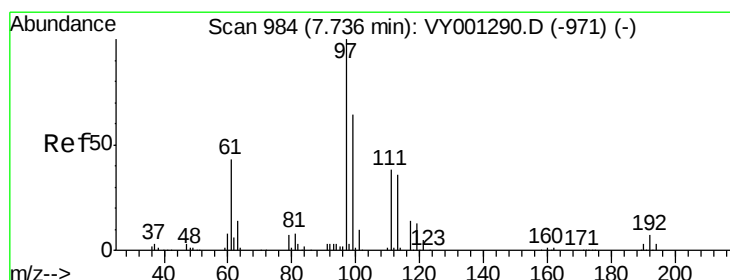
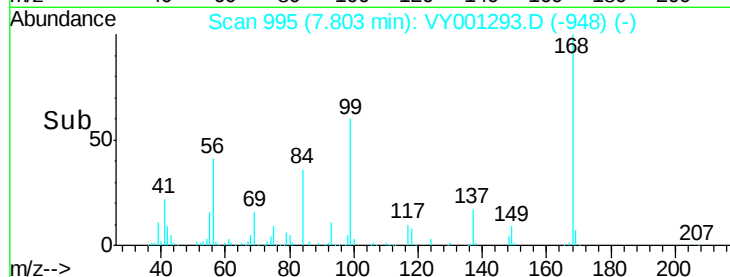
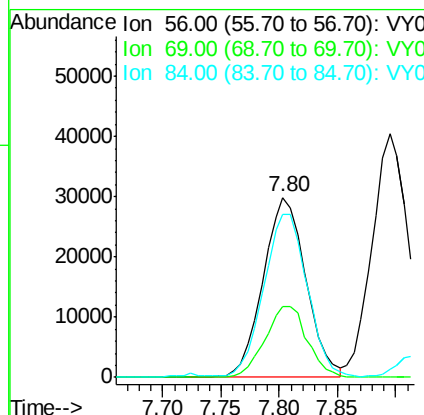
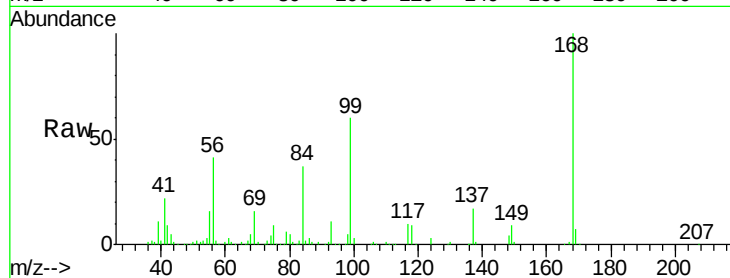
ClientSampleId :

VY0120SBS01

Tot Ion:	56	Resp:	75817
Ion Ratio	Lower	Upper	
56	100		
69	39.1	27.8	41.8
84	88.4	68.9	103.3

Manual Integrations
APPROVED

MMDadoda
1/21/2020 10:59:55 AM



#32

1,1,1-Trichloroethane

Concen: 20.446 ug/l

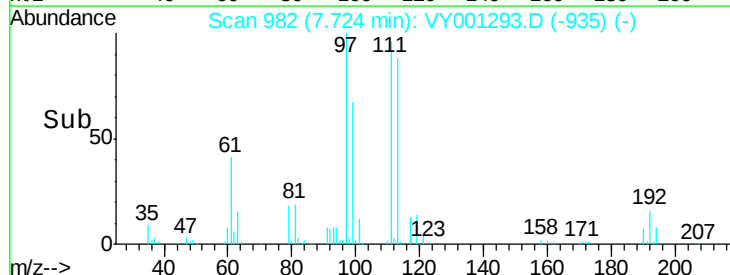
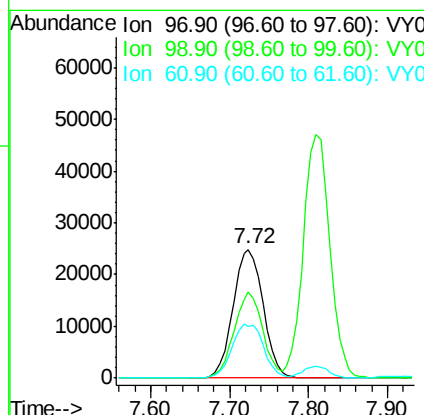
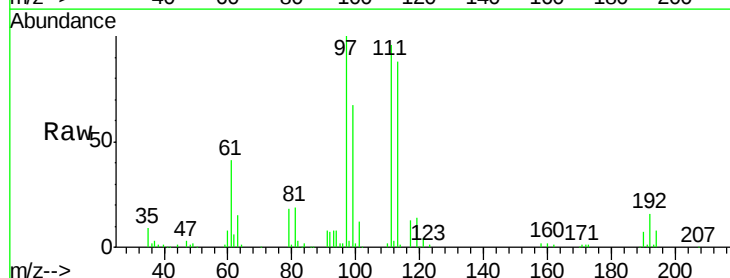
RT: 7.72 min Scan# 982

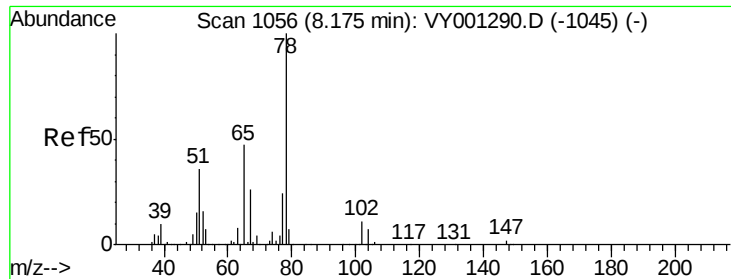
Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Tgt Ion:	97	Resp:	66159
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.3	76.9
61	43.9	34.6	52.0





#33

1,2-Dichloroethane-d4

Concen: 50.427 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0120SBS01

Tot Ion: 65 Resp: 102750

Ion Ratio Lower Upper

65 100

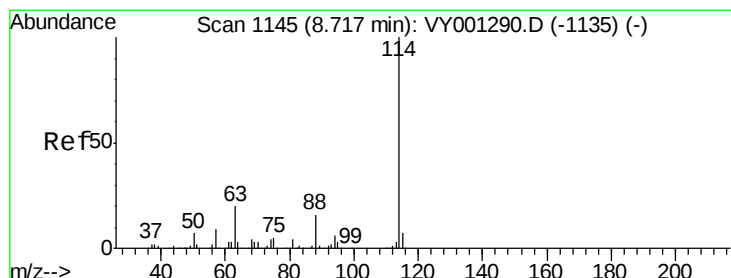
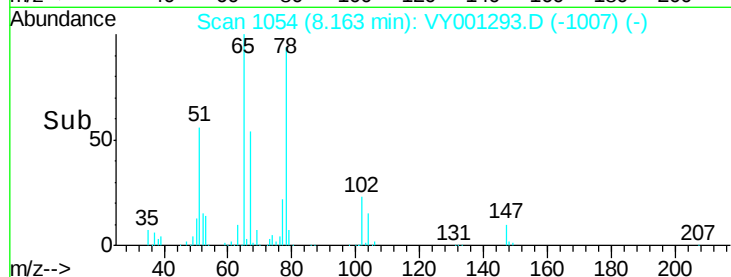
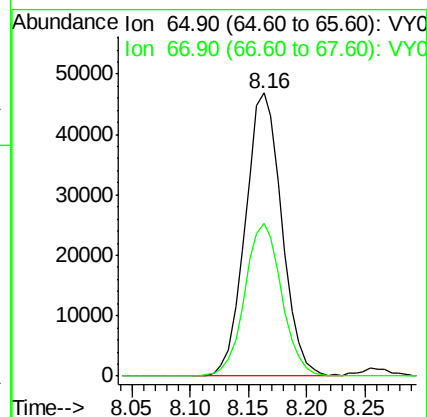
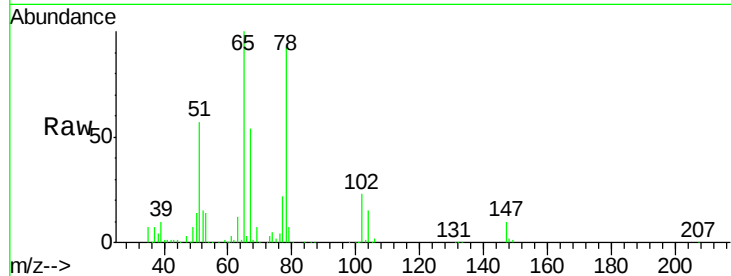
67 54.4 0.0 105.2

Manual Integrations

APPROVED

MMDadoda

1/21/2020 10:59:55 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

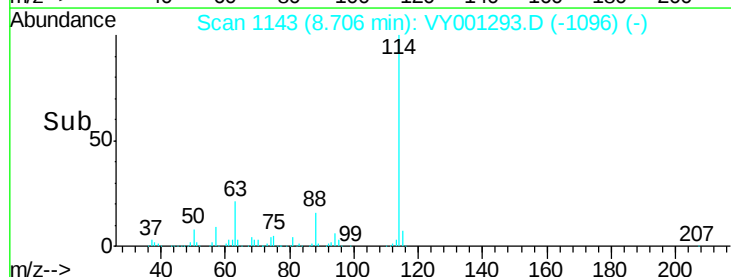
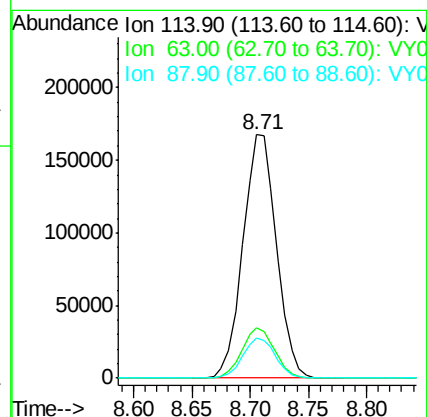
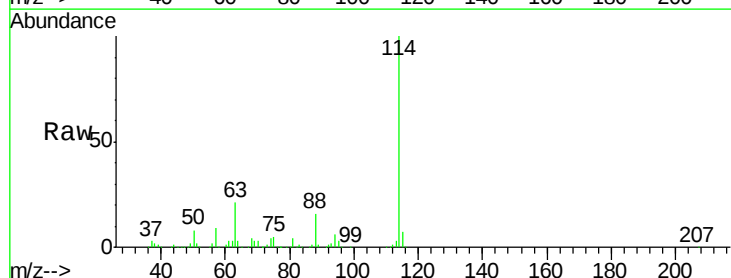
Tgt Ion: 114 Resp: 336295

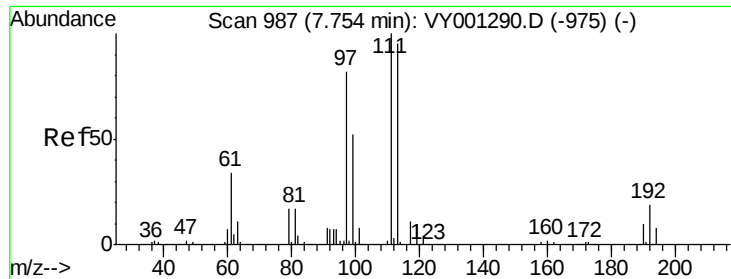
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 16.5 0.0 32.4





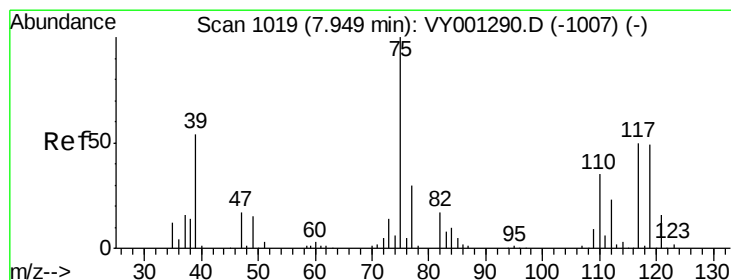
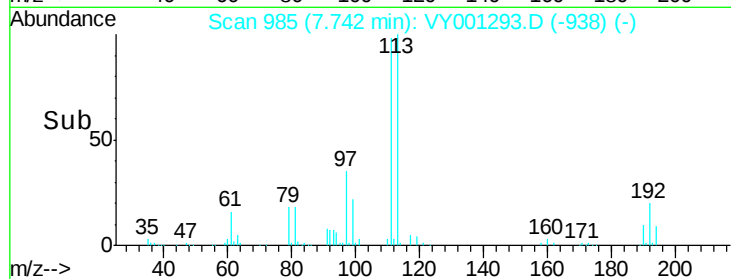
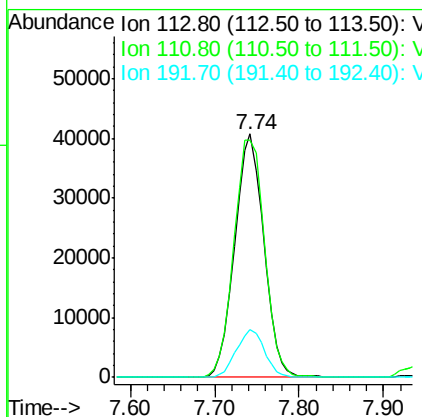
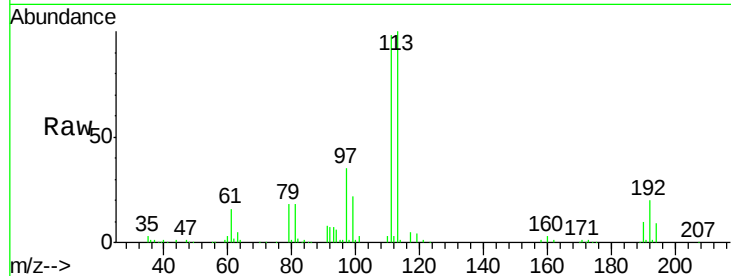
#35
 Dibromofluoromethane
 Concen: 48.118 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001293.D
 Acq: 20 Jan 2020 14:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0120SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	19.0	15.4	23.2

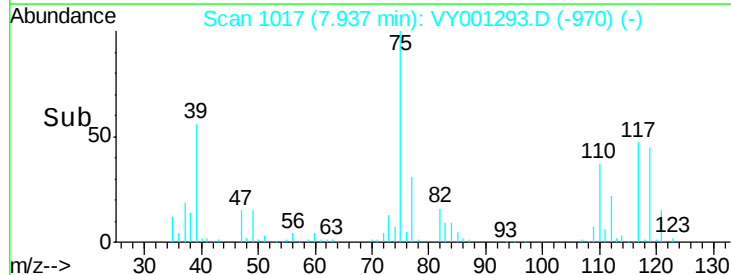
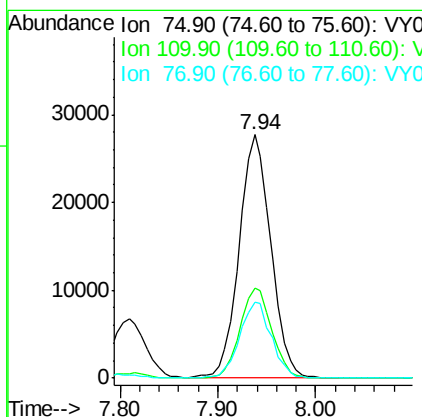
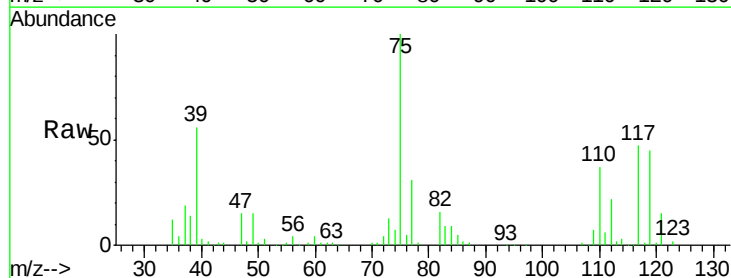
Manual Integrations
 APPROVED

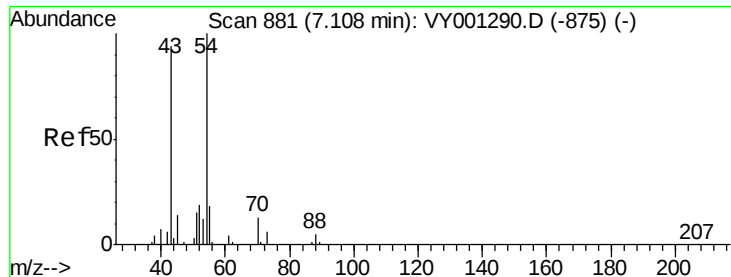
MMDadoda
 1/21/2020 10:59:55 AM



#36
 1,1-Dichloropropene
 Concen: 20.328 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VY001293.D
 Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.3	54.8
77	31.3	25.1	37.7





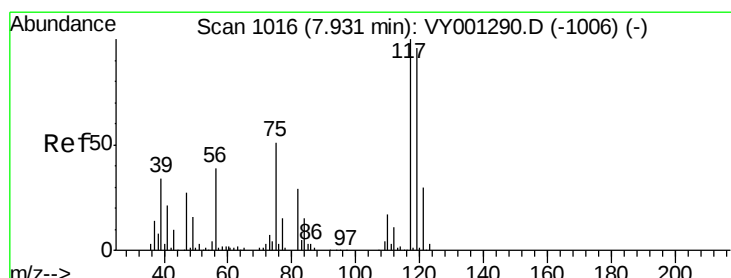
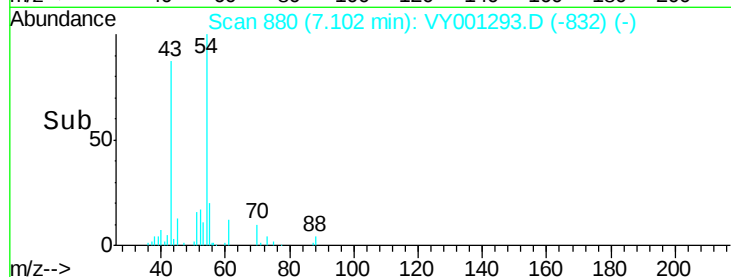
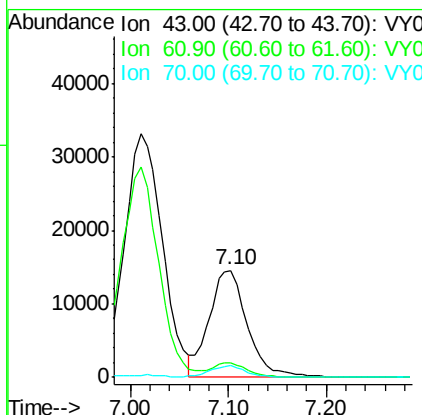
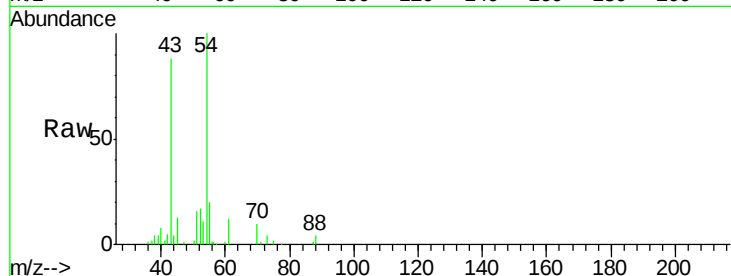
#37
Ethyl Acetate
Concen: 22.059 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.1	16.7
70	10.5	9.7	14.5

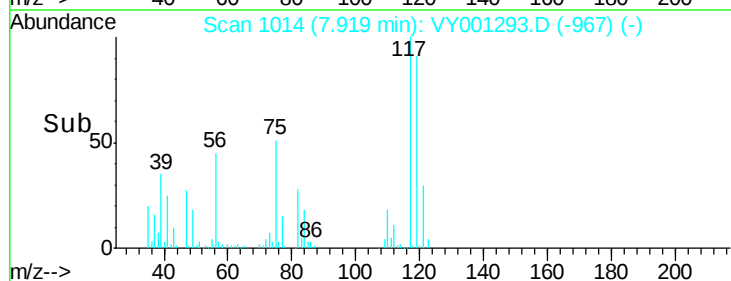
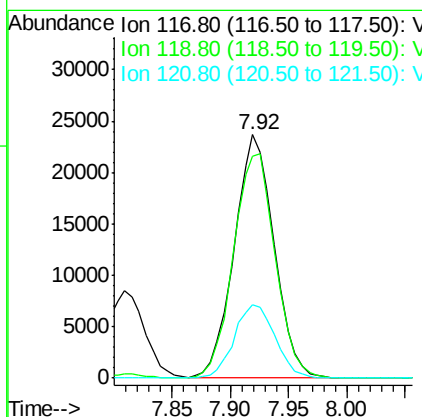
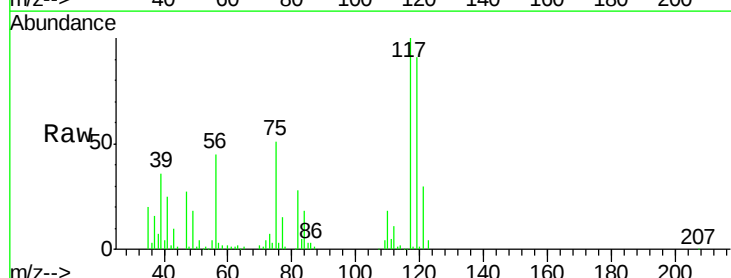
Manual Integrations
APPROVED

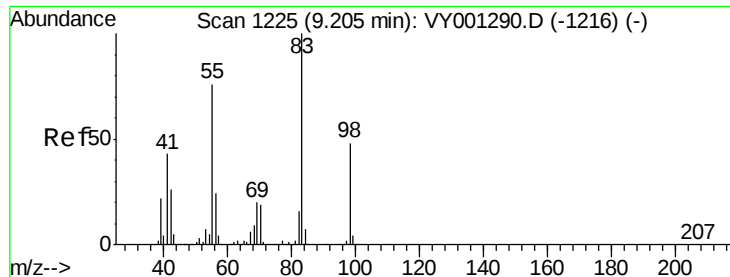
MMDadoda
1/21/2020 10:59:55 AM



#38
Carbon Tetrachloride
Concen: 20.098 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	78.3	117.5
121	30.4	23.5	35.3





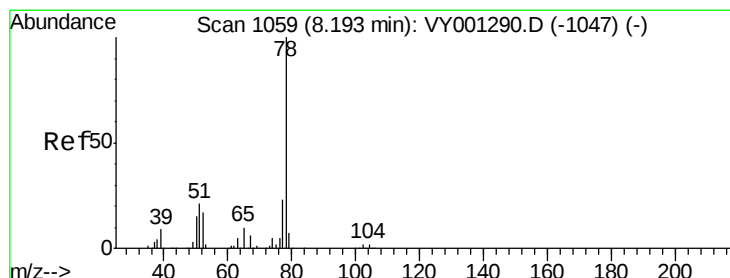
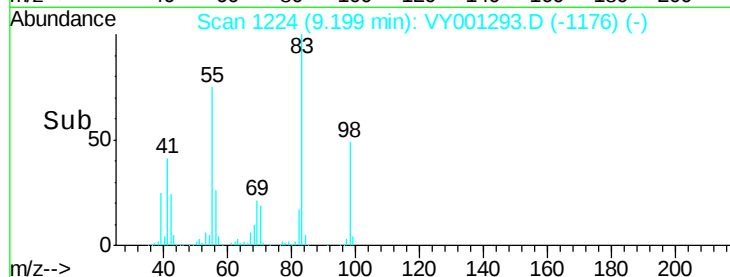
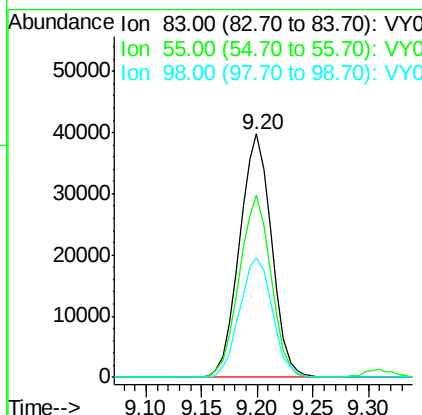
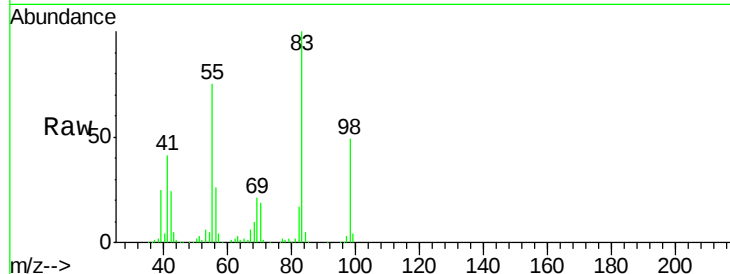
#39
Methvlcvclohexane
Concen: 19.110 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	58.9	88.3
98	49.3	38.4	57.6

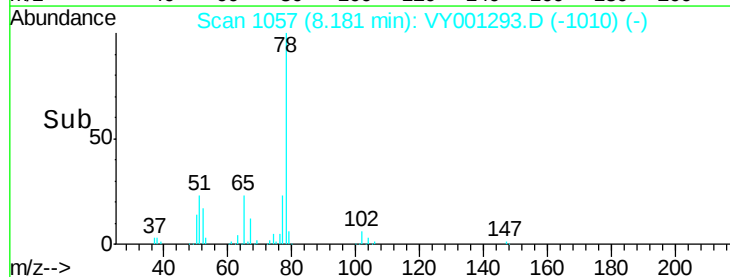
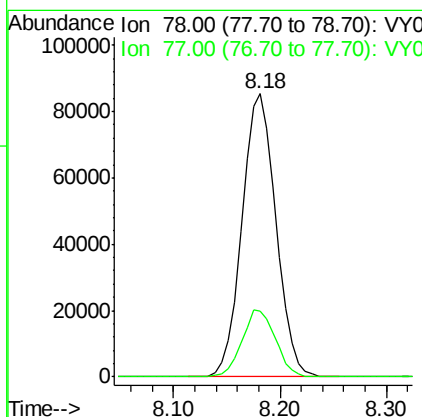
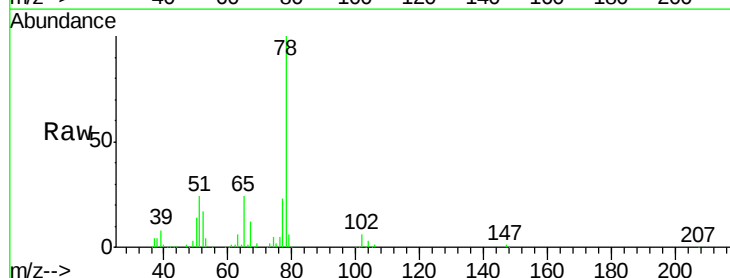
Manual Integrations
APPROVED

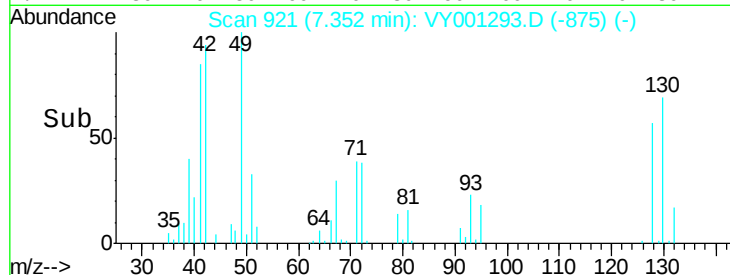
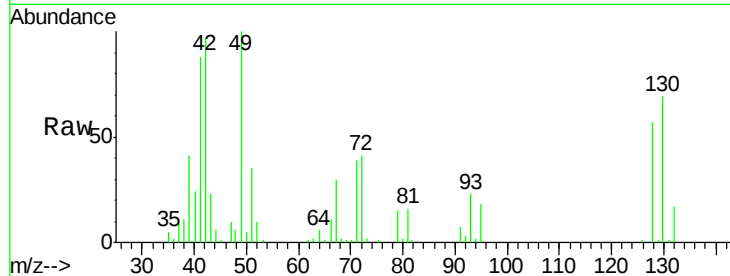
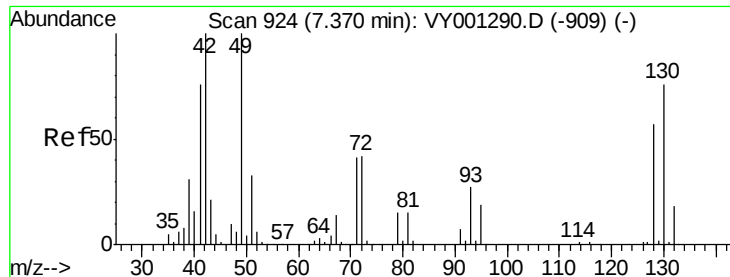
MMDadoda
1/21/2020 10:59:55 AM



#40
Benzene
Concen: 21.312 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





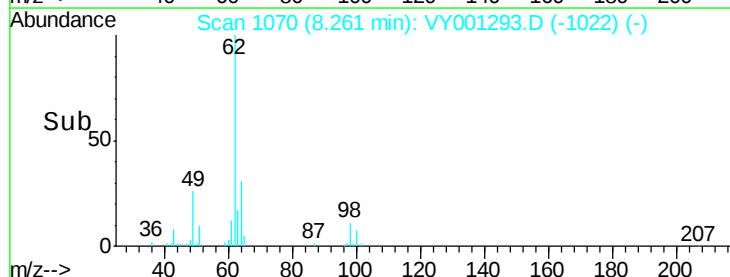
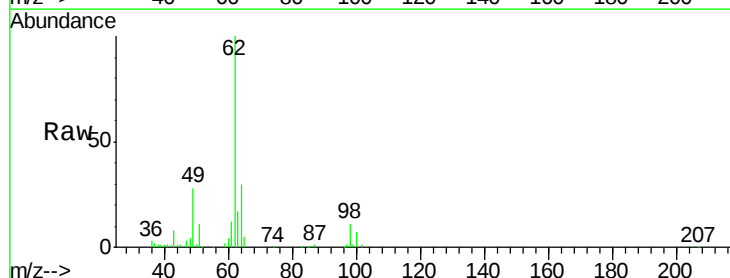
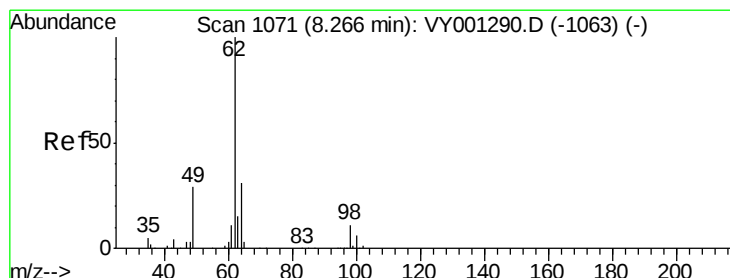
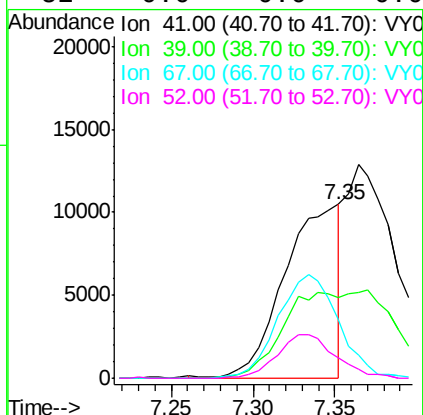
#41
Methacrylonitrile
Concen: 29.424 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. -0.02 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tot Ion	41	Resp	24863
Ion	Ratio	Lower	Upper
41	100		
39	0.0	103.5	155.3#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

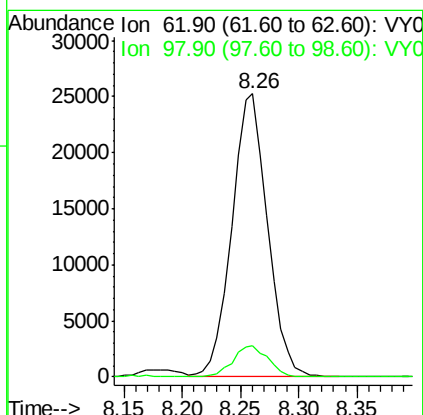
Manual Integrations
APPROVED

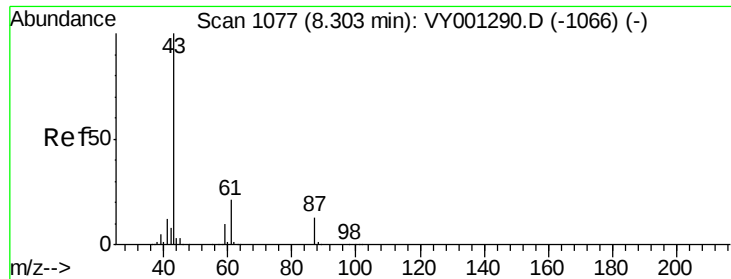
MMDadoda
1/21/2020 10:59:55 AM



#42
1,2-Dichloroethane
Concen: 21.484 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion	62	Resp	53824
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.4





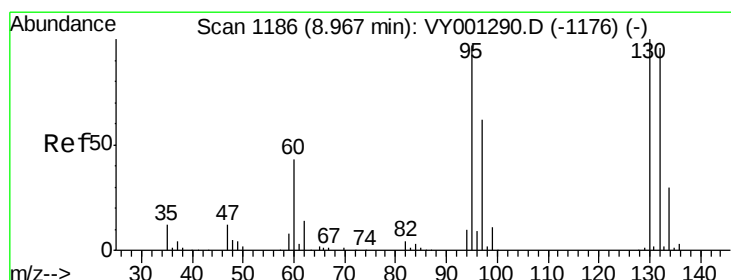
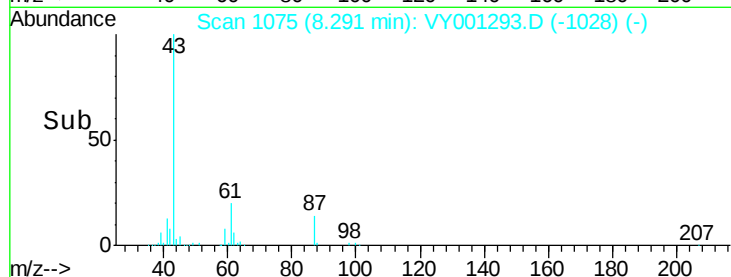
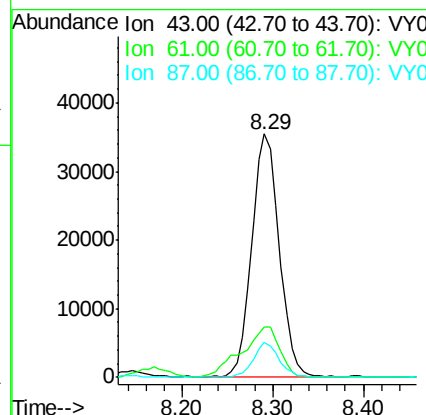
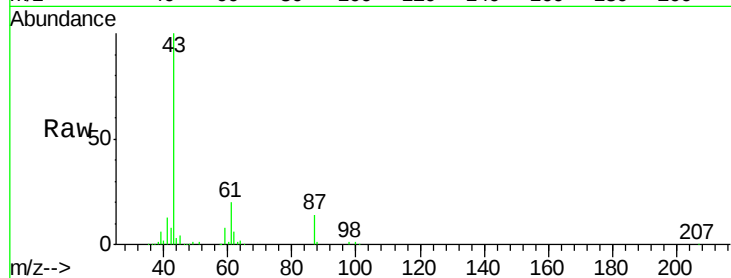
#43
Isopropyl Acetate
Concen: 21.717 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.9	35.9
87	13.3	11.4	17.2

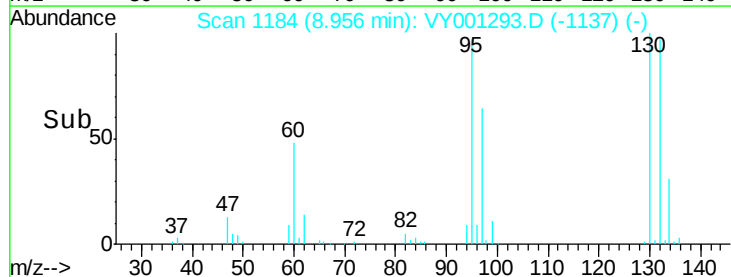
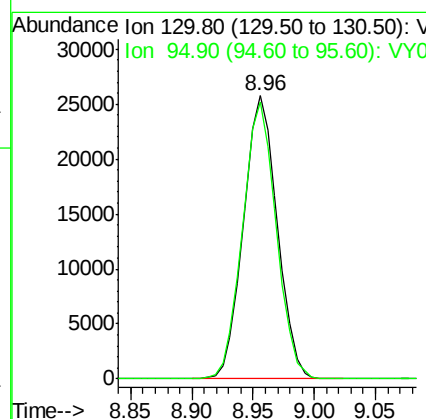
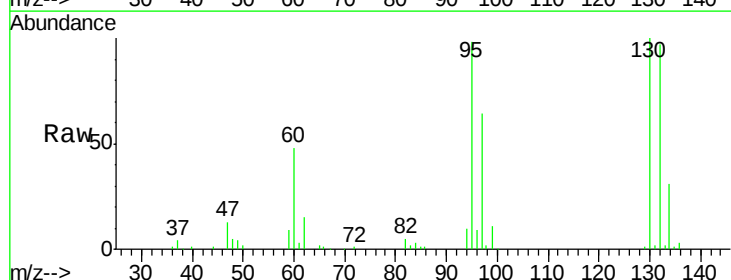
Manual Integrations
APPROVED

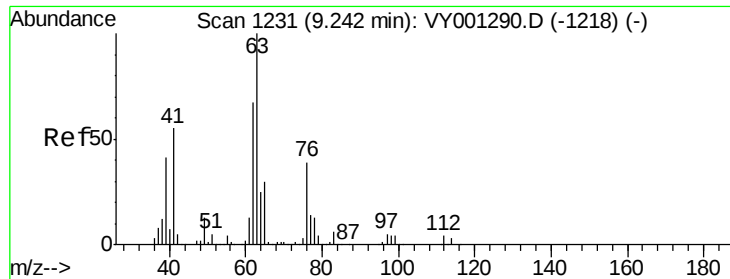
MMDadoda
1/21/2020 10:59:55 AM



#44
Trichloroethene
Concen: 21.216 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	197.6





#45

1,2-Dichloropropane

Concen: 21.654 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0120SBS01

Tot Ion: 63 Resp: 47897

Ion Ratio Lower Upper

63 100

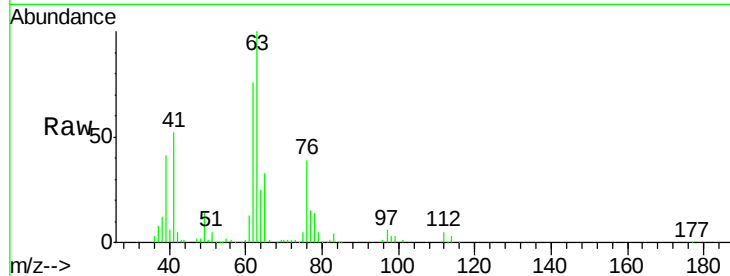
65 32.9 25.8 38.8

Manual Integrations

APPROVED

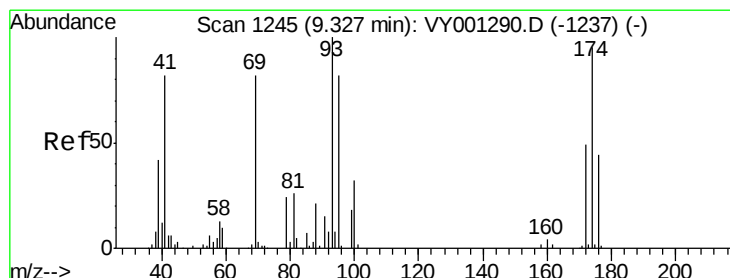
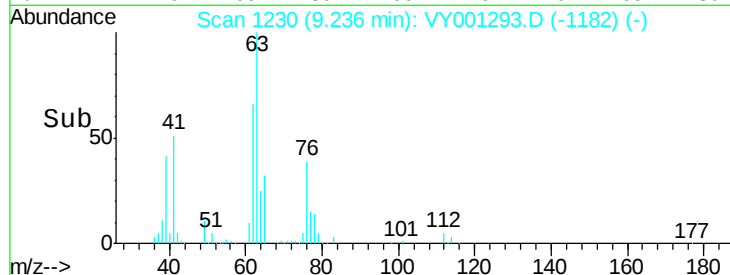
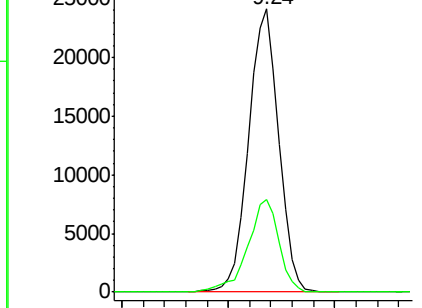
MMDadoda

1/21/2020 10:59:55 AM



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 21.268 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

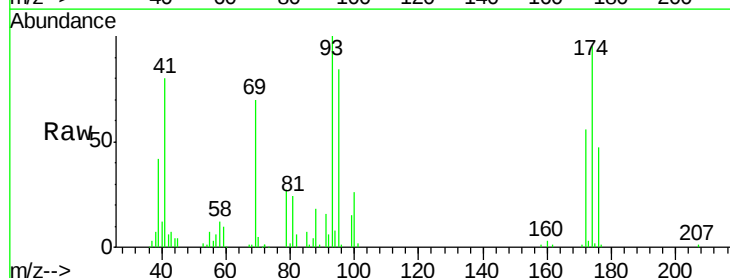
Tgt Ion: 93 Resp: 25668

Ion Ratio Lower Upper

93 100

95 81.3 66.8 100.2

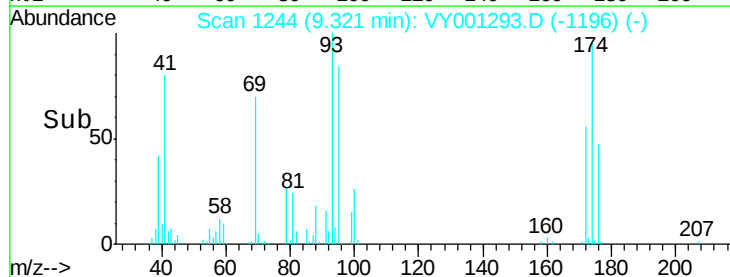
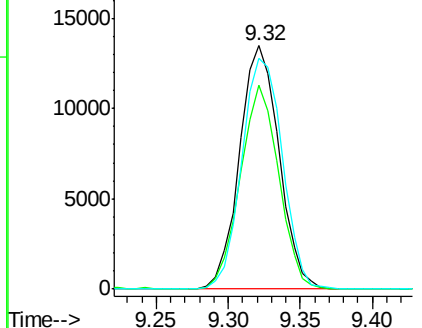
174 97.3 78.4 117.6

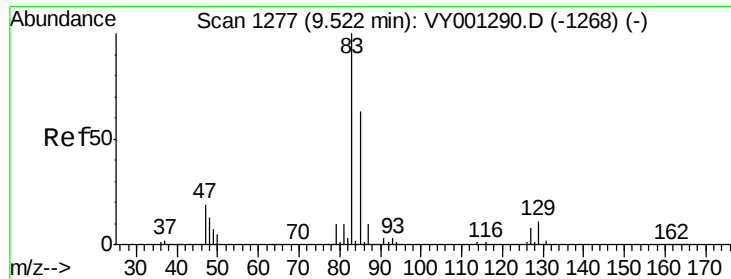


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): VY0





#47

Bromodichloromethane

Concen: 21.220 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

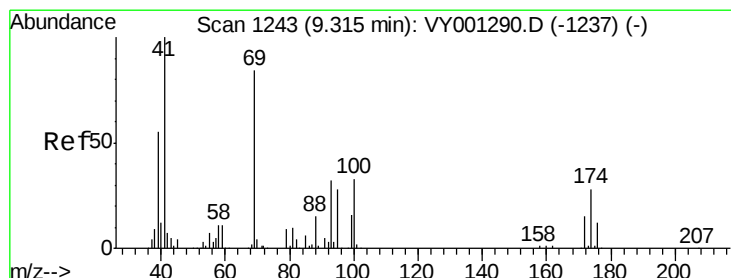
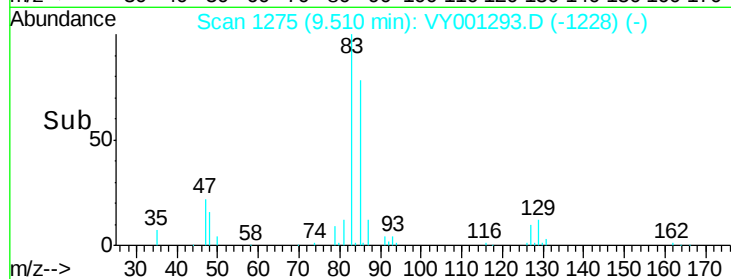
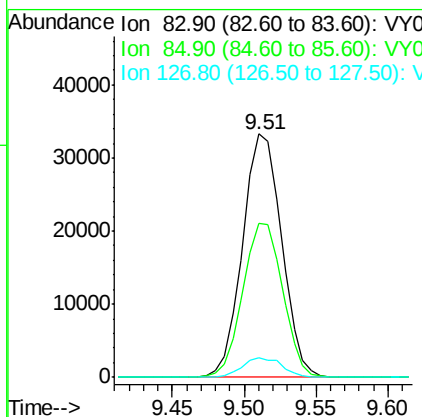
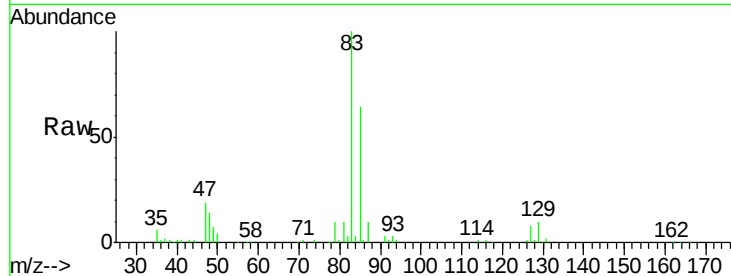
ClientSampleId :

VY0120SBS01

Tot Ion:	83	Resp:	62415
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.5	77.3
127	7.9	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
1/21/2020 10:59:55 AM



#48

Methyl methacrylate

Concen: 21.325 ug/l

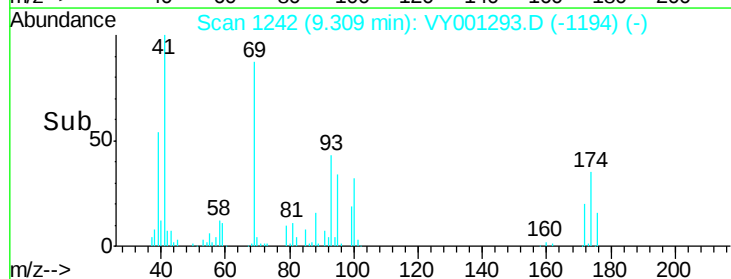
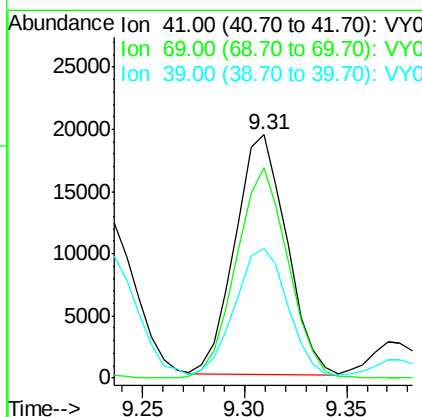
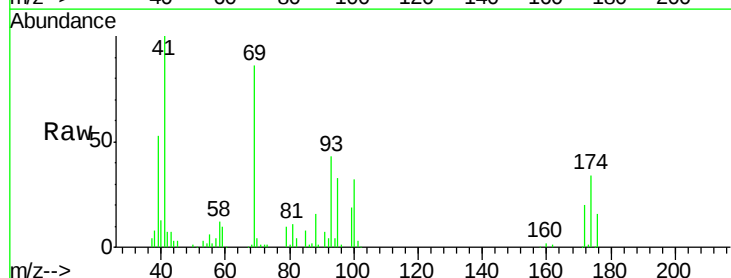
RT: 9.31 min Scan# 1242

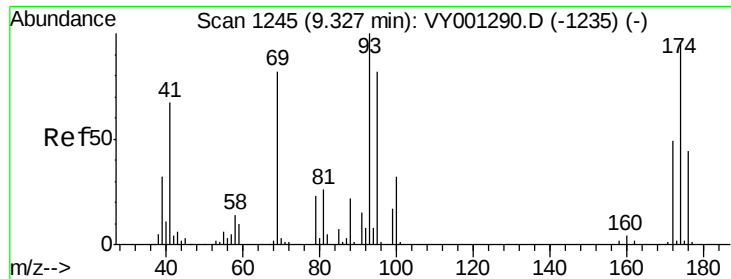
Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Tgt Ion:	41	Resp:	33944
Ion Ratio	Lower	Upper	
41	100		
69	88.1	69.8	104.8
39	56.3	45.2	67.8





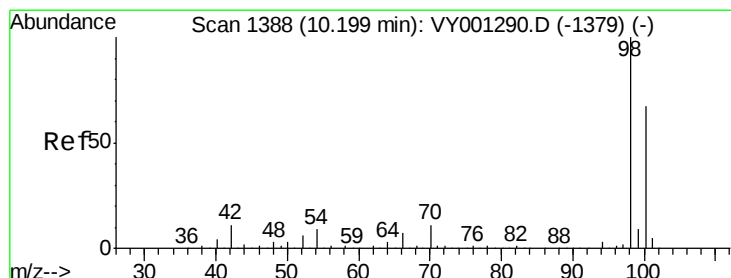
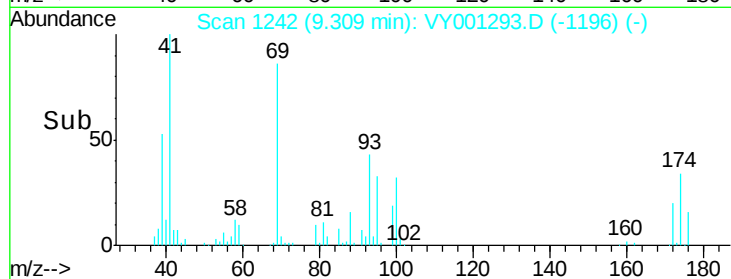
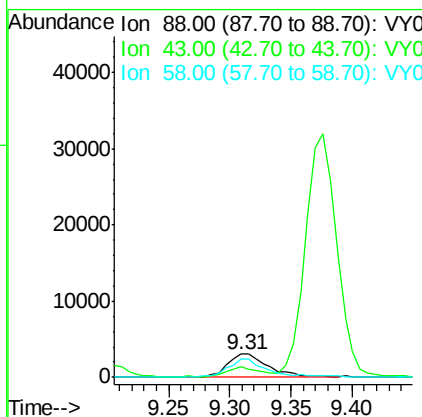
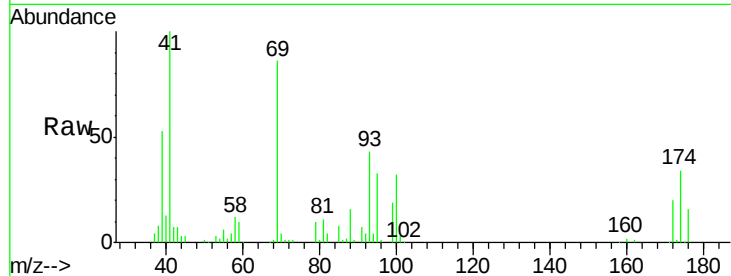
#49
 1,4-Dioxane
 Concen: 488.378 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.02 min
 Lab File: VY001293.D
 Acq: 20 Jan 2020 14:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0120SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	22.4	33.6#
58	77.1	58.0	87.0

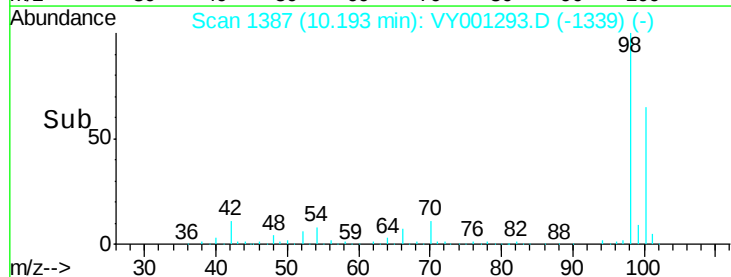
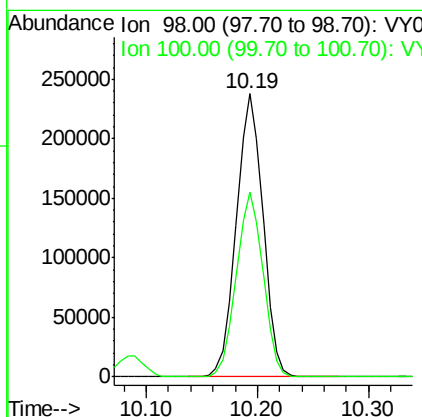
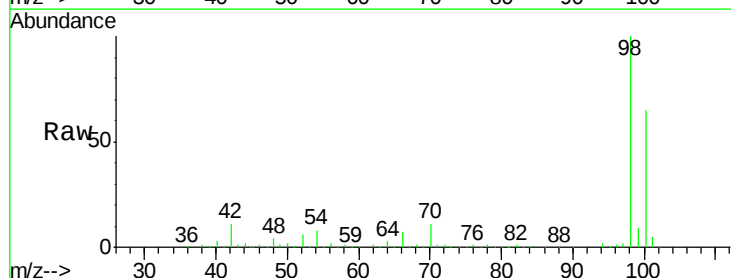
Manual Integrations
 APPROVED

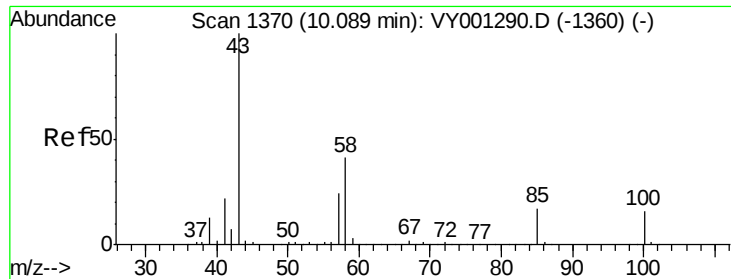
MMDadoda
 1/21/2020 10:59:55 AM



#50
 Toluene-d8
 Concen: 51.863 ug/l
 RT: 10.19 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VY001293.D
 Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.1	79.7





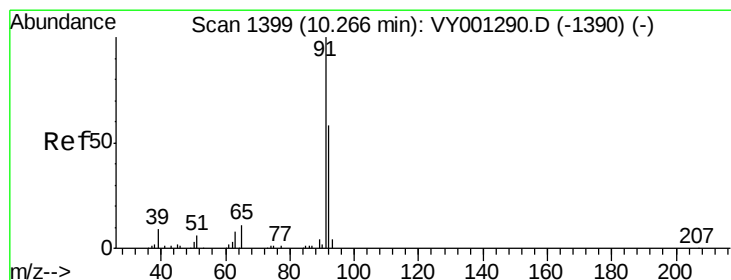
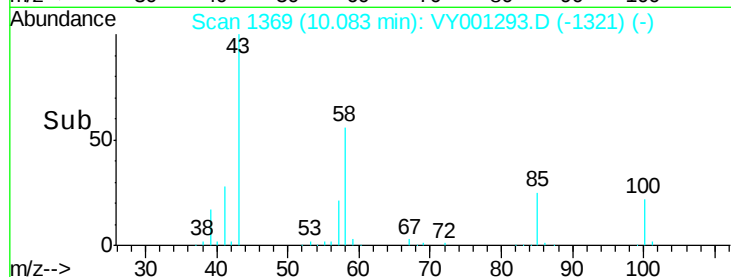
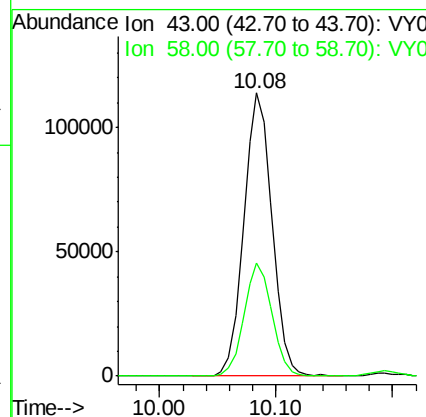
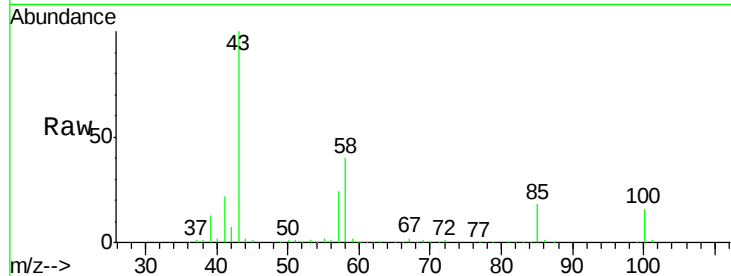
#51
4-Methyl-2-Pentanone
Concen: 110.007 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	32.3	48.5

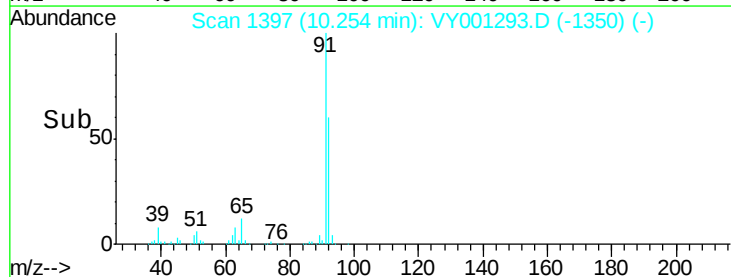
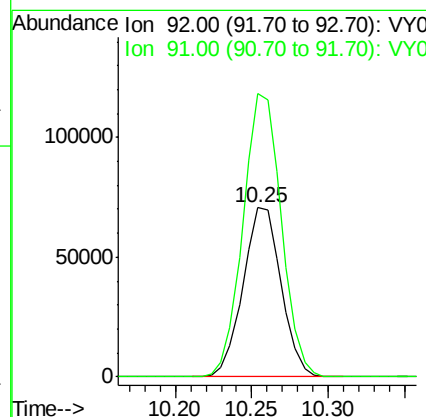
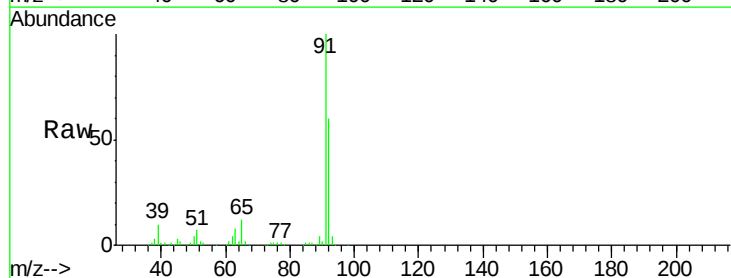
Manual Integrations
APPROVED

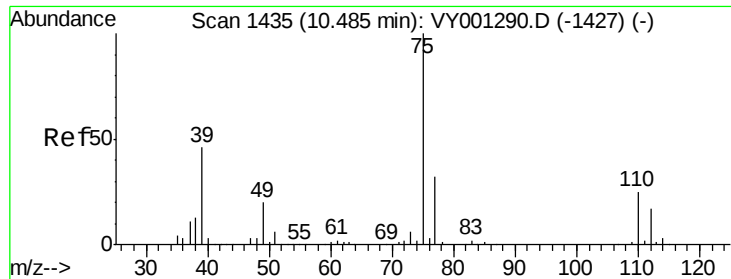
MMDadoda
1/21/2020 10:59:55 AM



#52
Toluene
Concen: 21.425 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.1	136.6	204.8





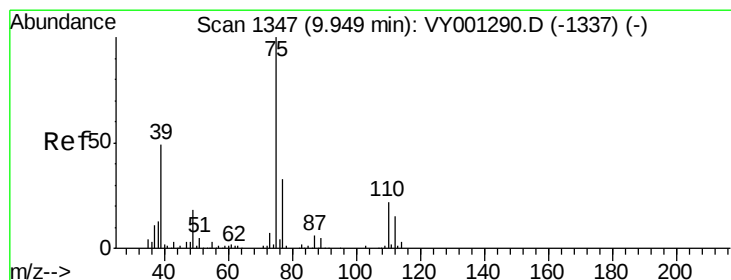
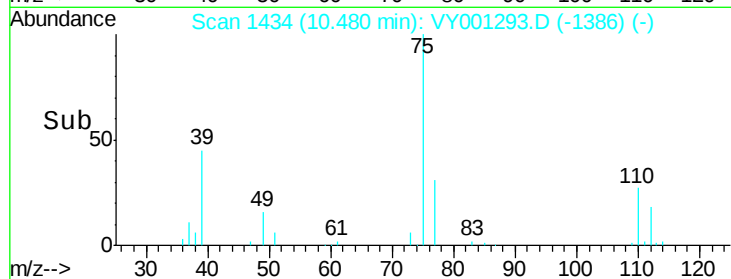
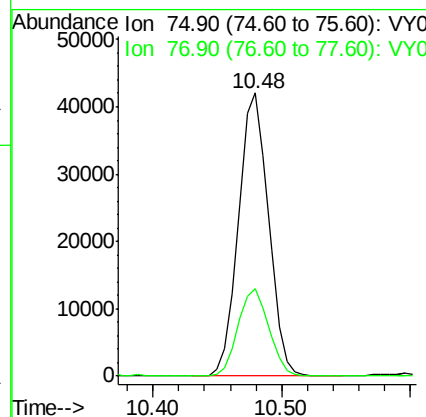
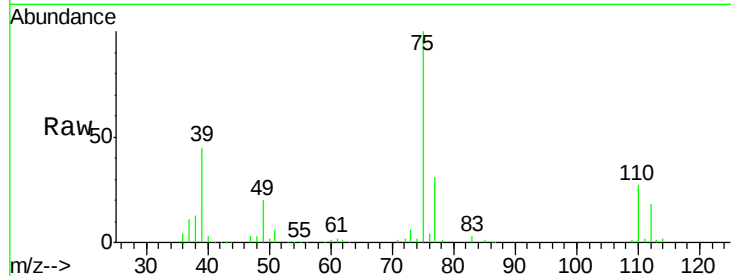
#53
 t-1,3-Dichloropropene
 Concen: 20.704 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VY001293.D
 Acq: 20 Jan 2020 14:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0120SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.2	39.2

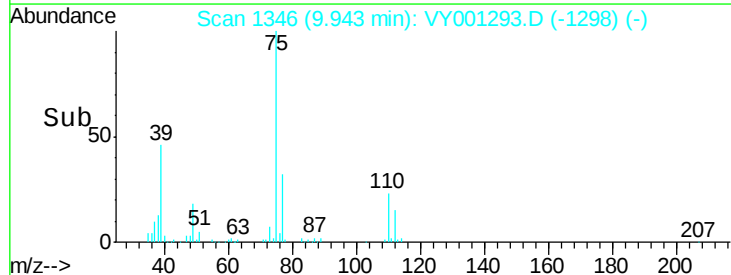
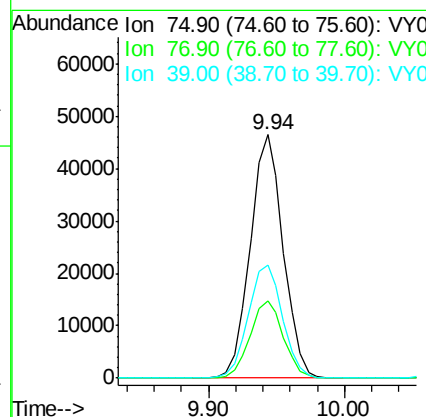
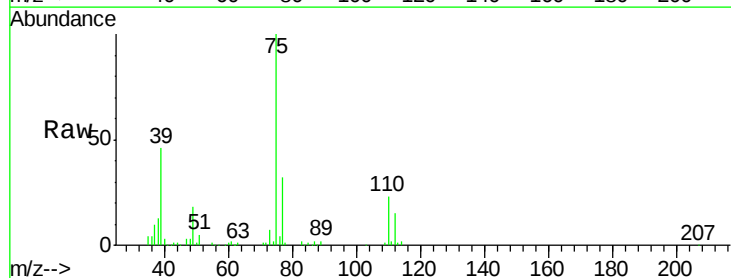
Manual Integrations
 APPROVED

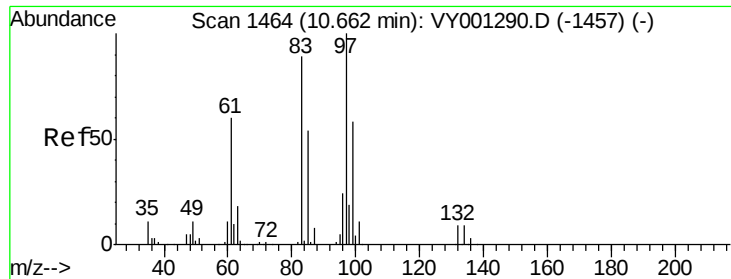
MMDadoda
 1/21/2020 10:59:55 AM



#54
 cis-1,3-Dichloropropene
 Concen: 21.193 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. -0.01 min
 Lab File: VY001293.D
 Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	46.5	39.1	58.7





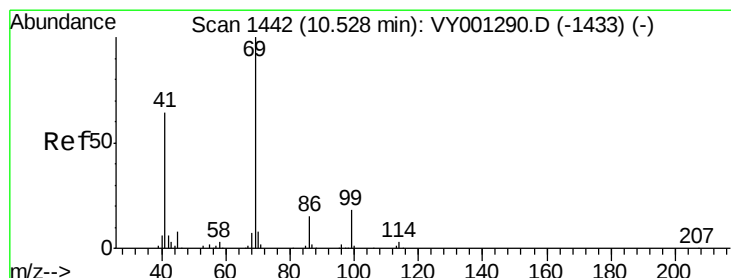
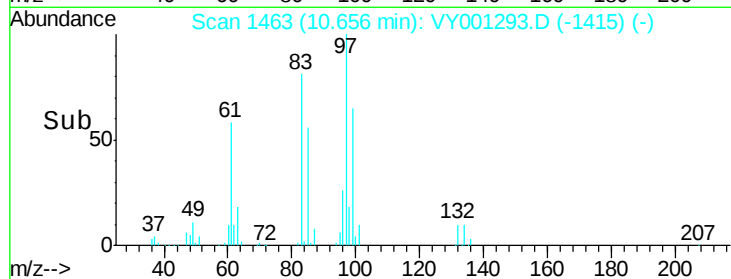
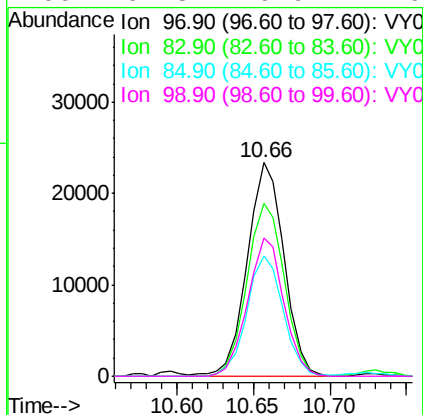
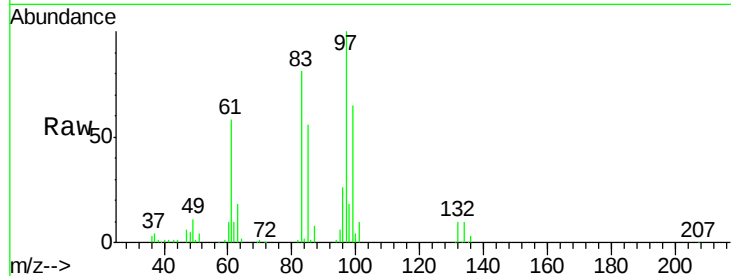
#55
 1,1,2-Trichloroethane
 Concen: 21.817 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: VY001293.D
 Acq: 20 Jan 2020 14:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0120SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		39035		
83	80.6	67.2	100.8		
85	56.4	44.9	67.3		
99	64.8	49.9	74.9		

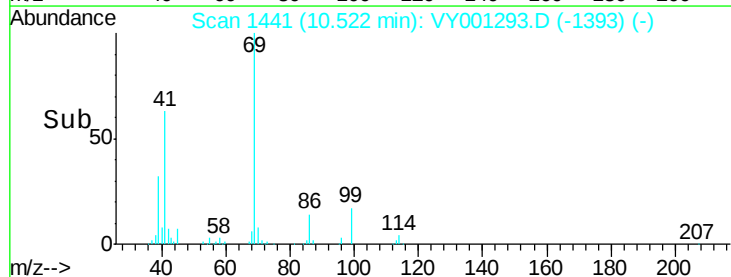
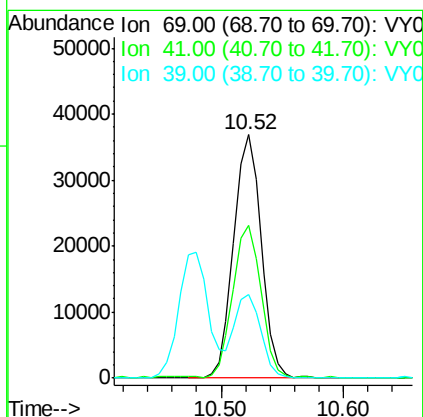
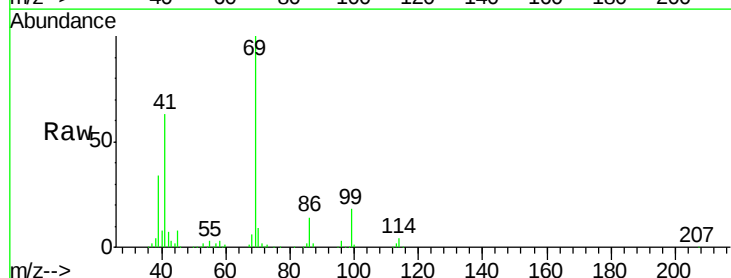
Manual Integrations
 APPROVED

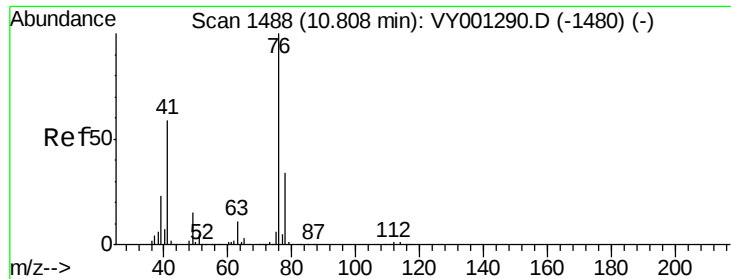
MMDadoda
 1/21/2020 10:59:55 AM



#56
 Ethyl methacrylate
 Concen: 21.048 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VY001293.D
 Acq: 20 Jan 2020 14:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		57605		
41	64.2	51.4	77.2		
39	32.3	26.3	39.5		





#57

1,3-Dichloropropane

Concen: 21.389 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0120SBS01

Tot Ion: 76 Resp: 65699

Ion Ratio Lower Upper

76 100

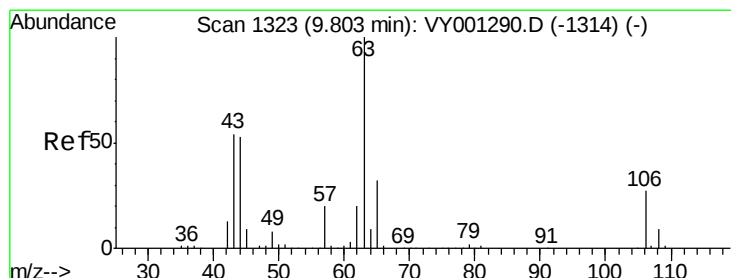
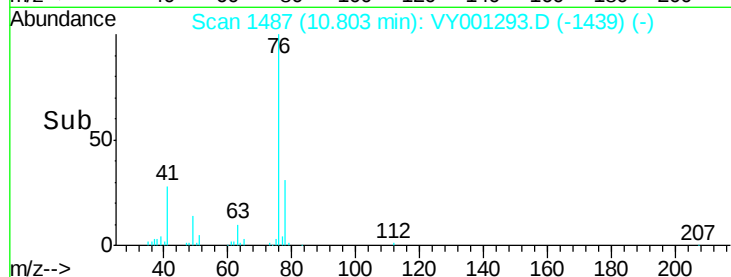
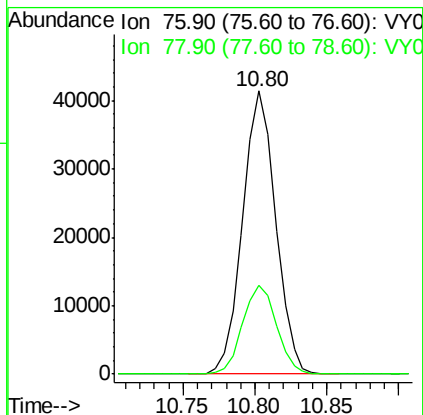
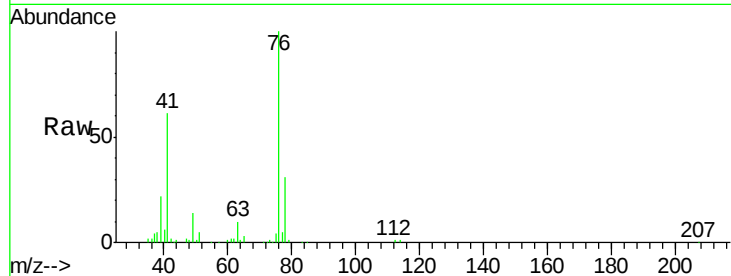
78 32.2 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

1/21/2020 10:59:55 AM



#58

2-Chloroethyl Vinyl ether

Concen: 104.546 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VY001293.D

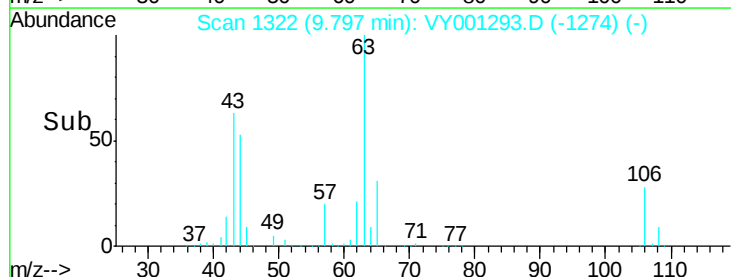
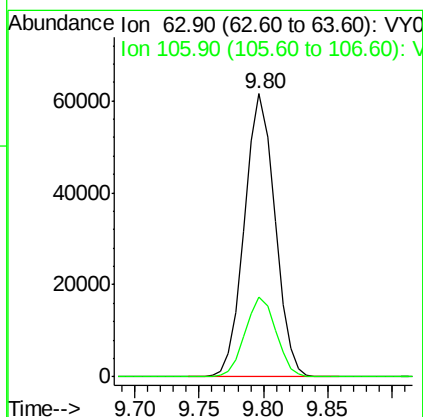
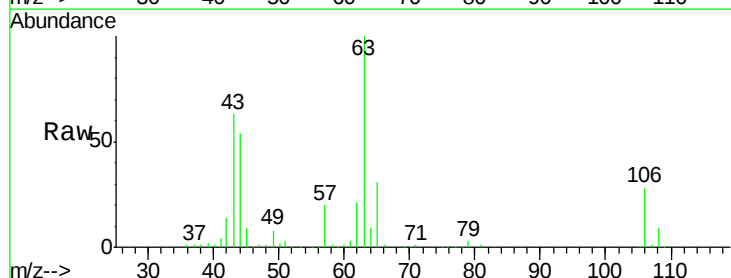
Acq: 20 Jan 2020 14:20

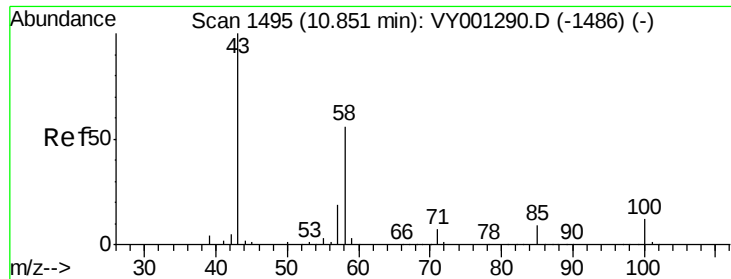
Tgt Ion: 63 Resp: 100635

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6





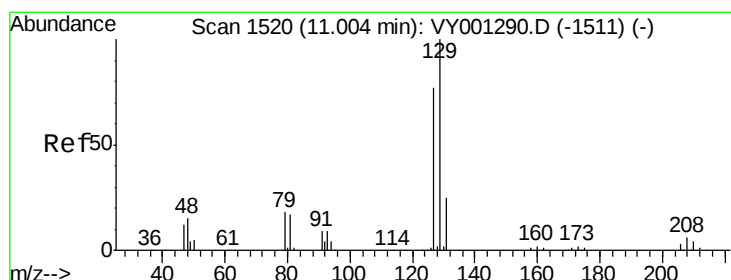
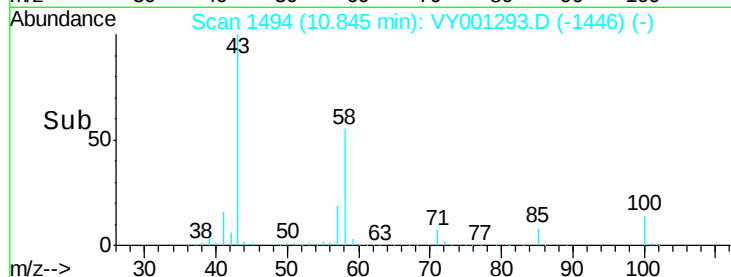
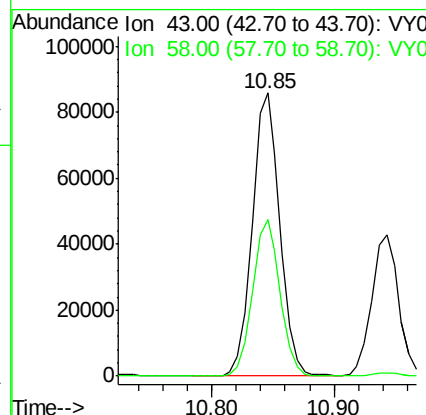
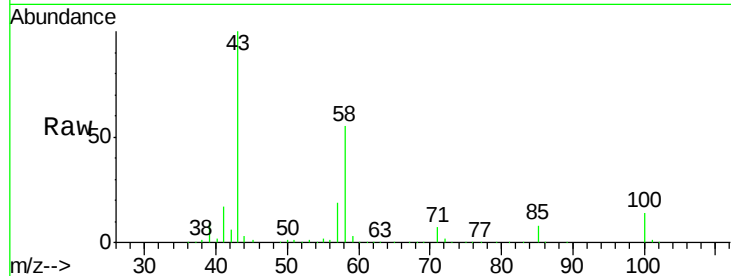
#59
2-Hexanone
Concen: 109.815 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

Tot Ion: 43 Resp: 134327
Ion Ratio Lower Upper
43 100
58 55.0 28.4 85.2

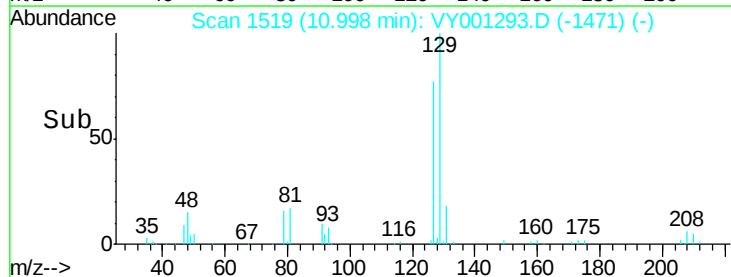
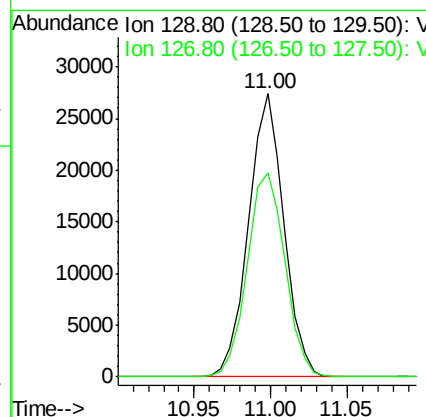
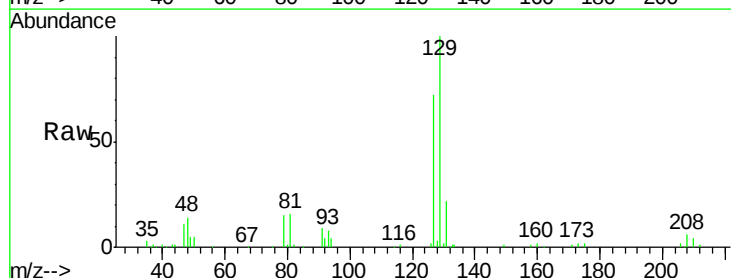
Manual Integrations
APPROVED

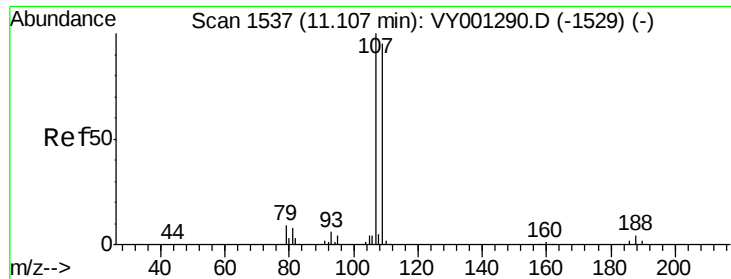
MMDadoda
1/21/2020 10:59:55 AM



#60
Dibromochloromethane
Concen: 21.324 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion: 129 Resp: 43927
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.624 ug/l

RT: 11.10 min Scan# 1536

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0120SBS01

Tot Ion:107 Resp: 36030

Ion Ratio Lower Upper

107 100

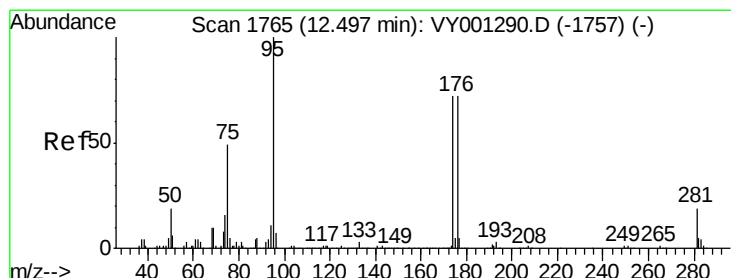
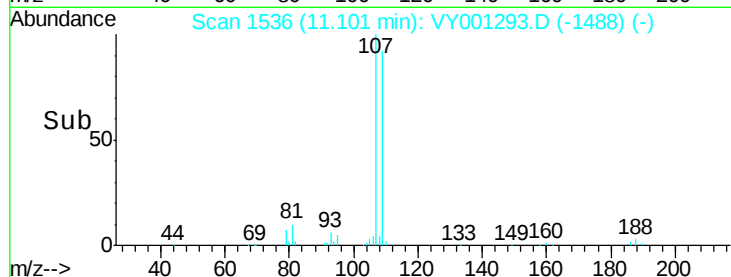
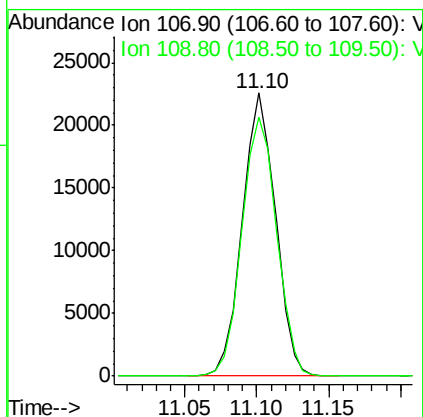
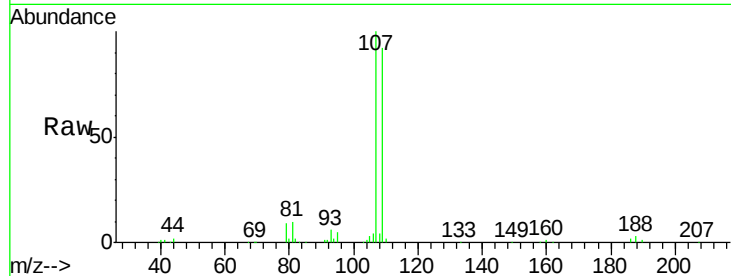
109 95.8 75.4 113.0

Manual Integrations

APPROVED

MMDadoda

1/21/2020 10:59:55 AM



#62

4-Bromofluorobenzene

Concen: 46.448 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

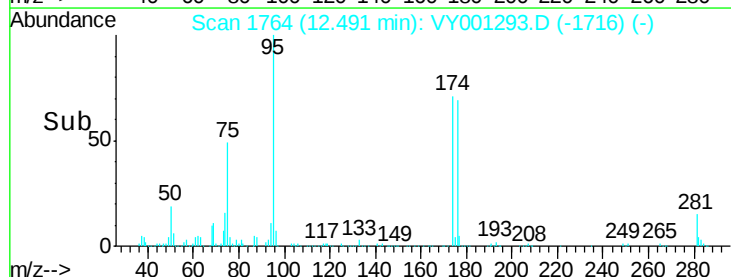
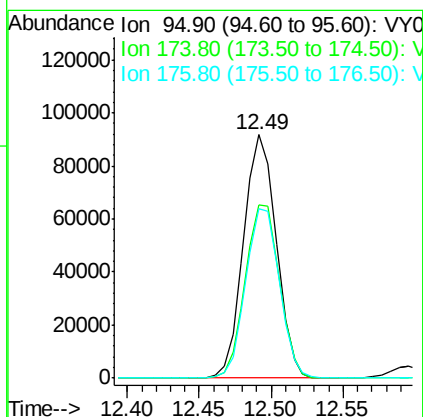
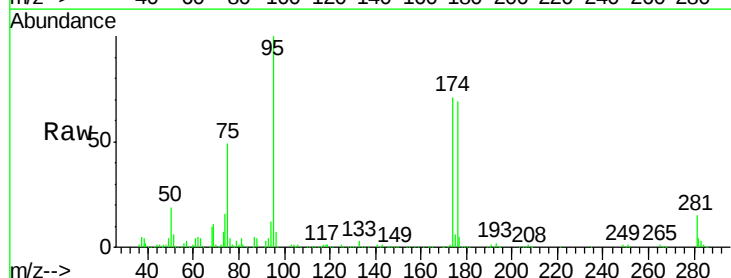
Tgt Ion: 95 Resp: 144070

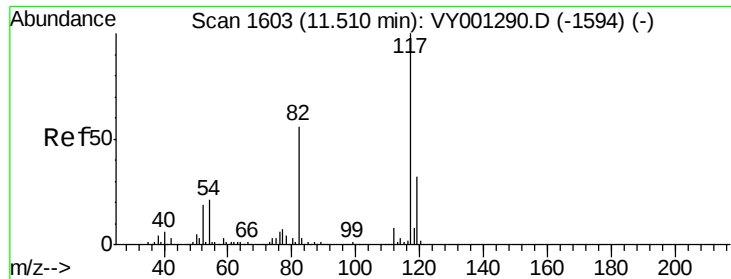
Ion Ratio Lower Upper

95 100

174 74.4 0.0 143.2

176 71.7 0.0 136.0





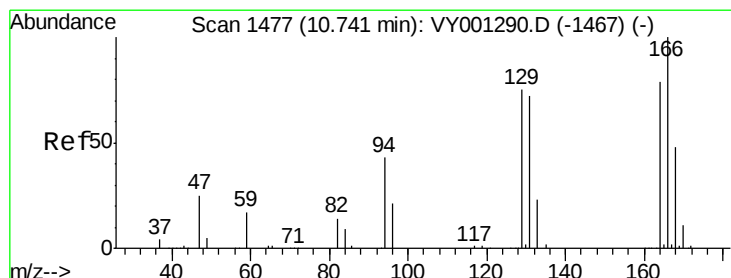
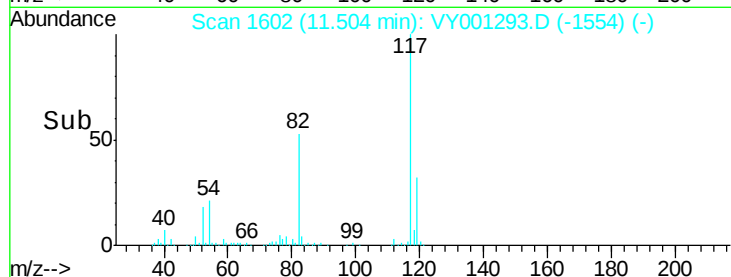
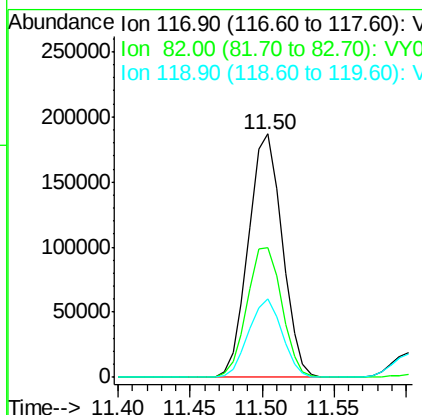
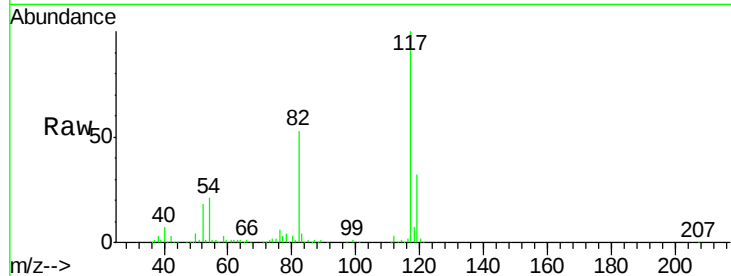
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	44.9	67.3
119	32.1	25.7	38.5

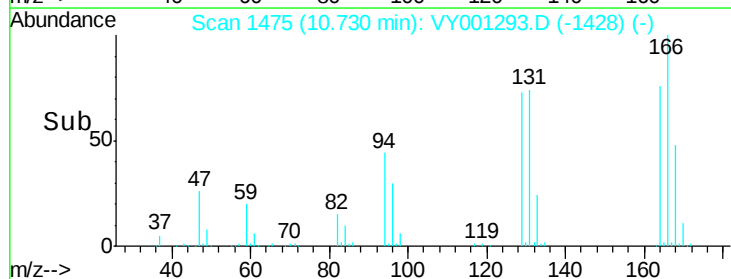
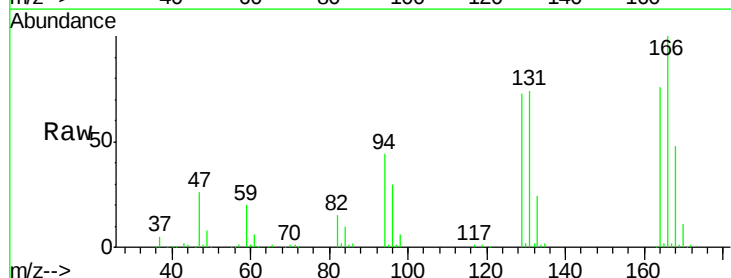
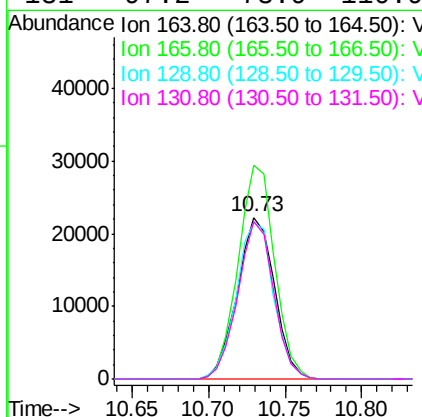
Manual Integrations
APPROVED

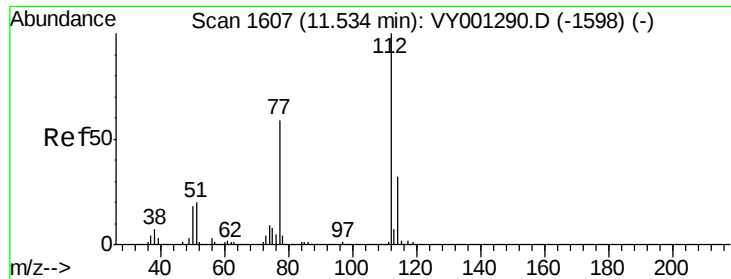
MMDadoda
1/21/2020 10:59:55 AM



#64
Tetrachloroethene
Concen: 19.276 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	102.3	153.5
129	96.2	76.2	114.4
131	97.2	73.9	110.9





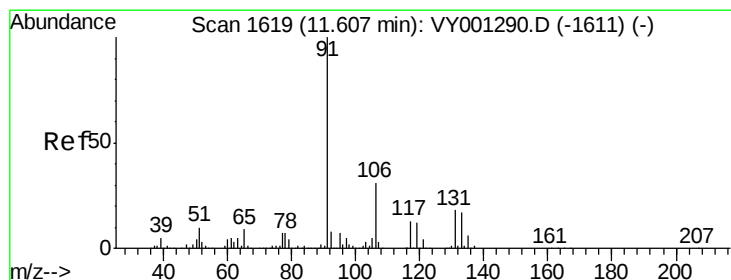
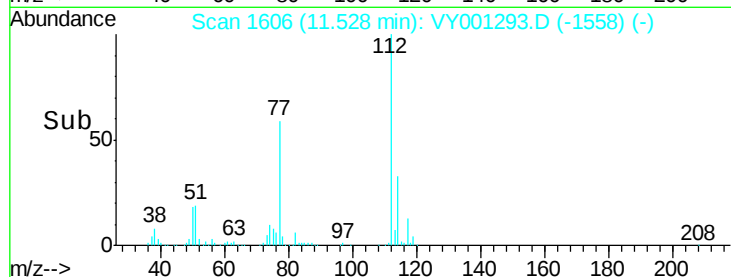
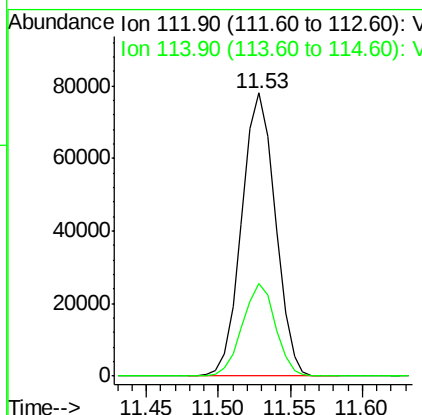
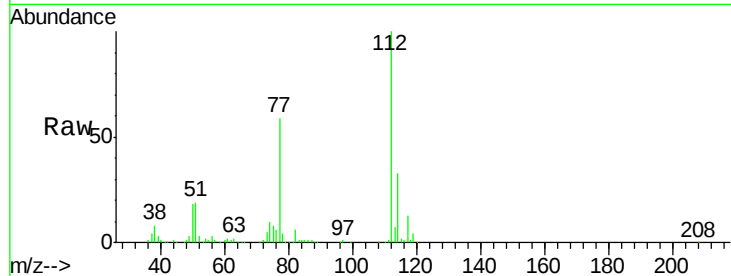
#65
Chlorobenzene
Concen: 20.849 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

Tot Ion:112 Resp: 126438
Ion Ratio Lower Upper
112 100
114 33.0 25.9 38.9

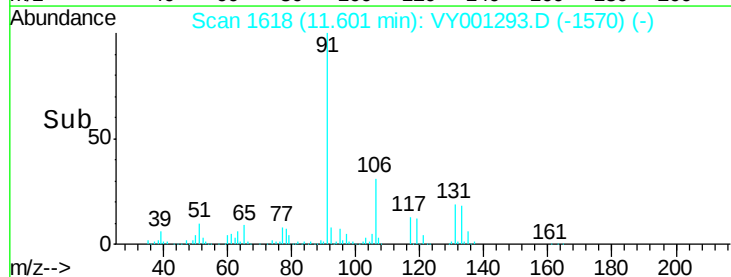
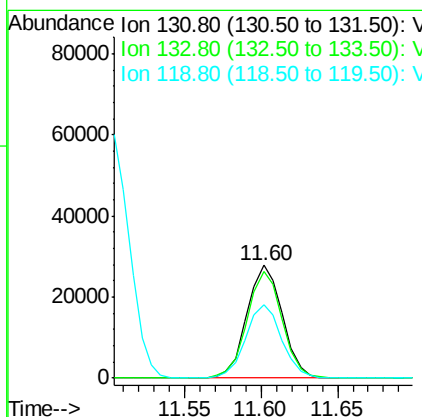
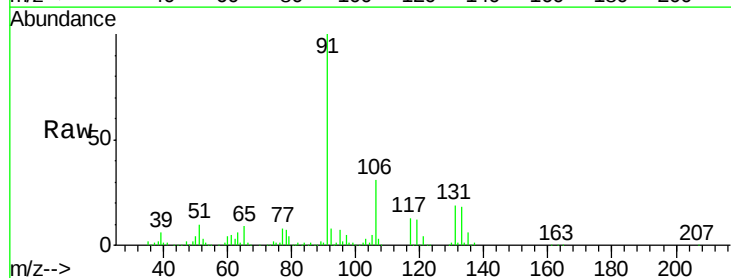
Manual Integrations
APPROVED

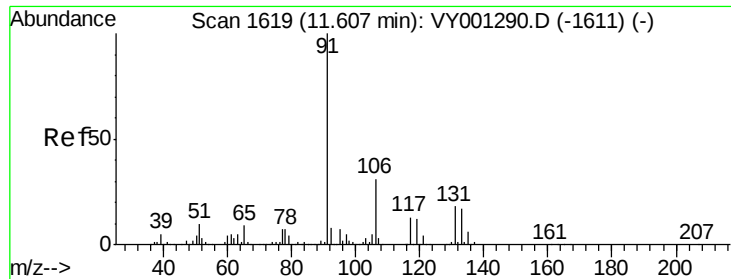
MMDadoda
1/21/2020 10:59:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.466 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion:131 Resp: 44868
Ion Ratio Lower Upper
131 100
133 93.6 47.3 142.0
119 65.8 33.6 100.8





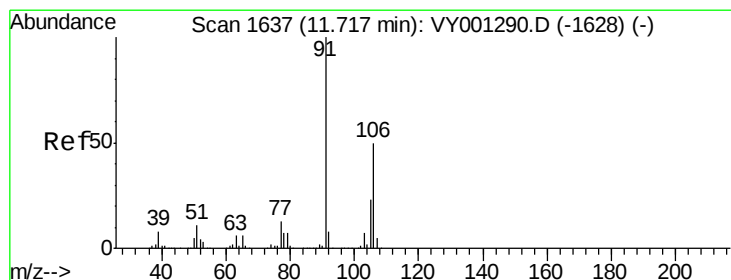
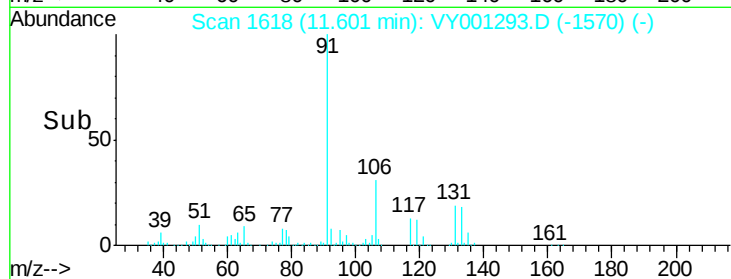
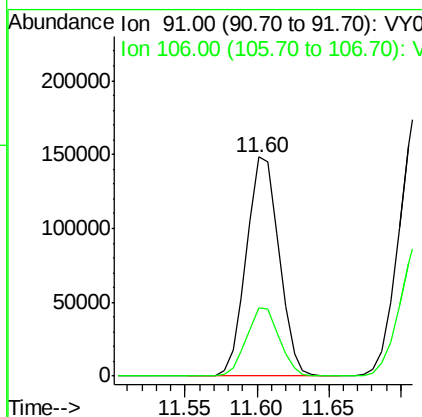
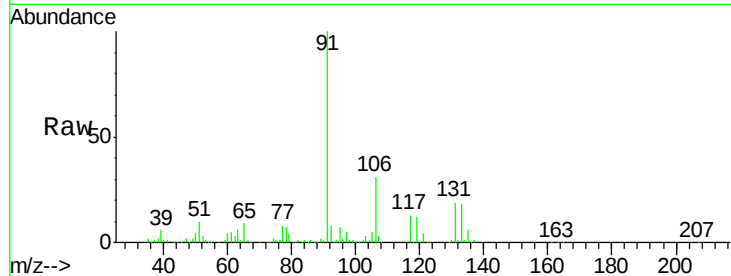
#67
Ethyl Benzene
Concen: 20.991 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

Tot Ion: 91 Resp: 232867
Ion Ratio Lower Upper
91 100
106 31.3 25.3 37.9

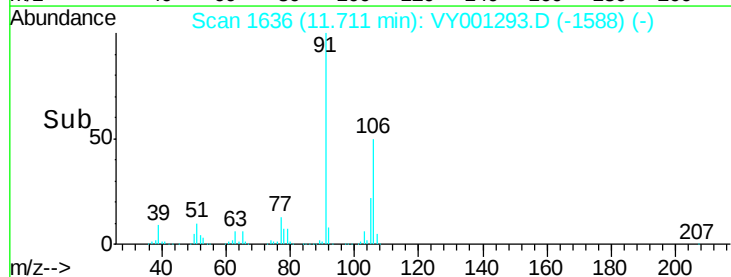
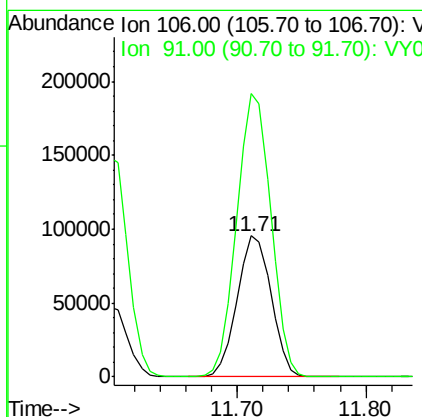
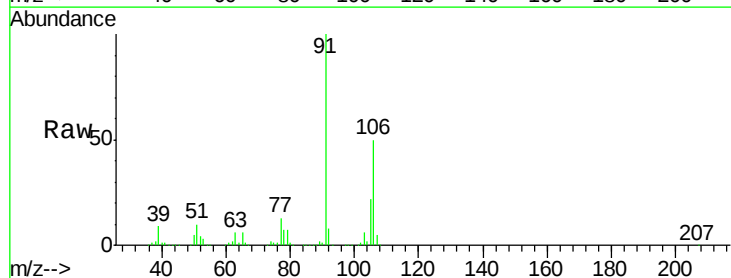
Manual Integrations
APPROVED

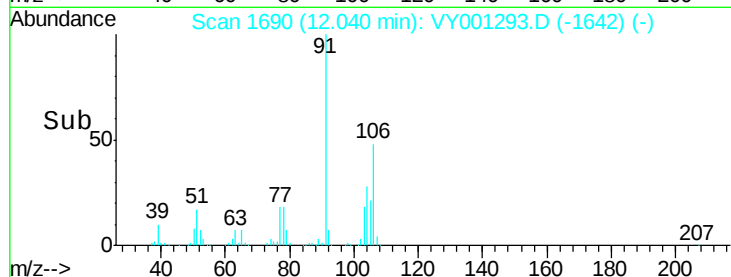
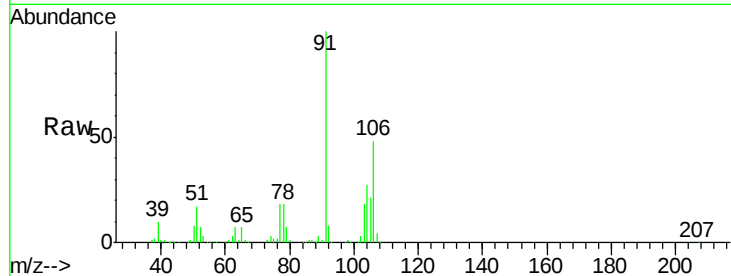
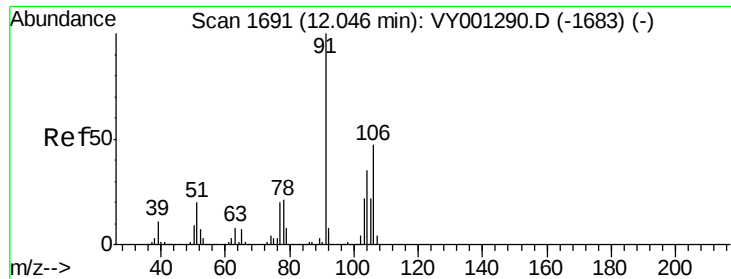
MMDadoda
1/21/2020 10:59:55 AM



#68
m/p-Xylenes
Concen: 41.785 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion: 106 Resp: 174868
Ion Ratio Lower Upper
106 100
91 201.3 161.4 242.2





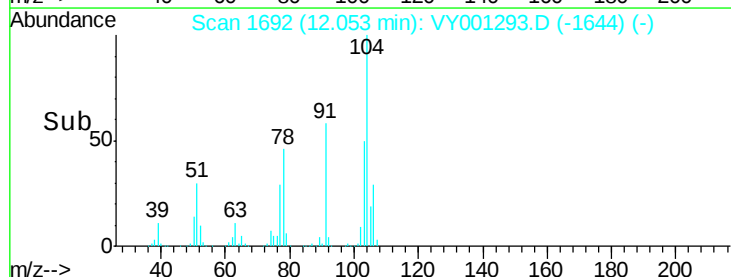
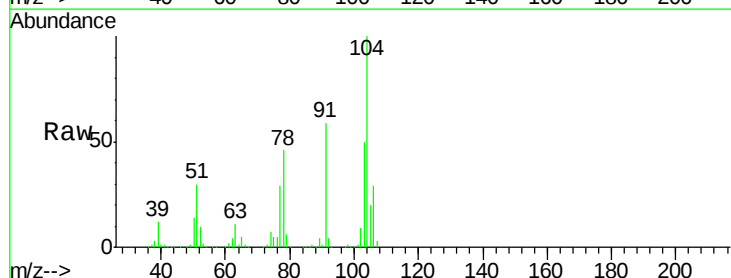
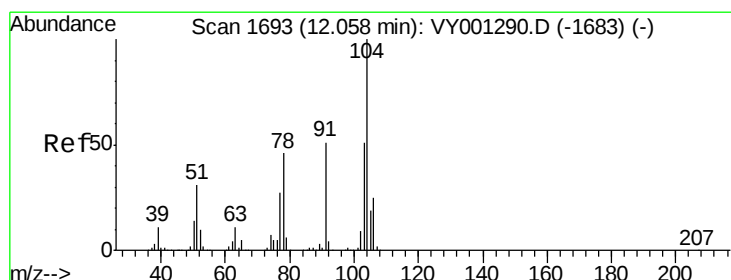
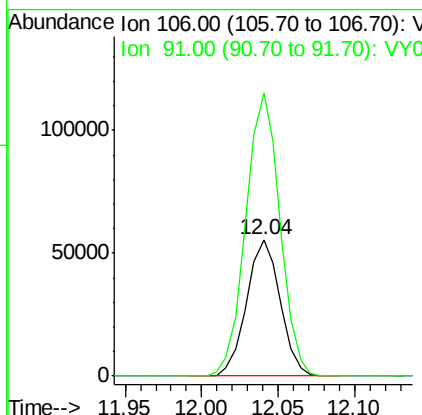
#69
o-Xylene
Concen: 21.105 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tot Ion:106 Resp: 84683
Ion Ratio Lower Upper
106 100
91 210.9 106.3 318.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

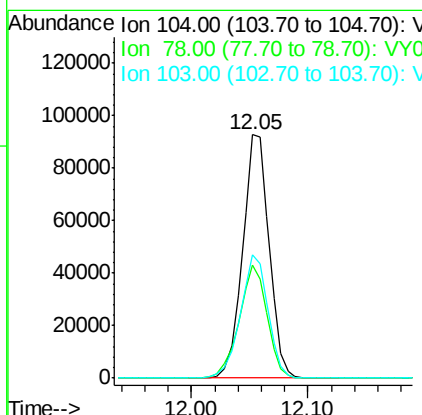
Manual Integrations
APPROVED

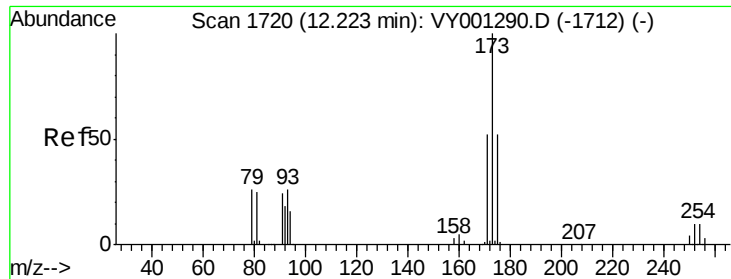
MMDadoda
1/21/2020 10:59:55 AM



#70
Styrene
Concen: 20.864 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion:104 Resp: 146886
Ion Ratio Lower Upper
104 100
78 48.9 40.5 60.7
103 52.8 42.4 63.6





#71

Bromoform

Concen: 19.929 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

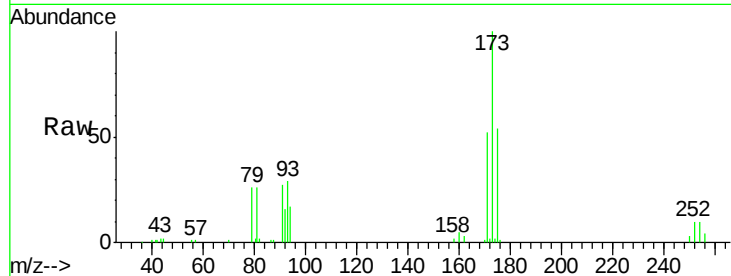
ClientSampleId :

VY0120SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.2
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
1/21/2020 10:59:55 AM

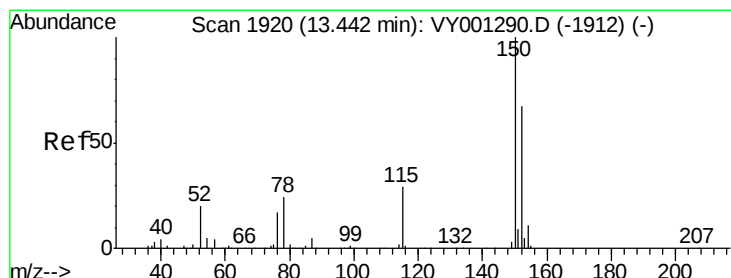
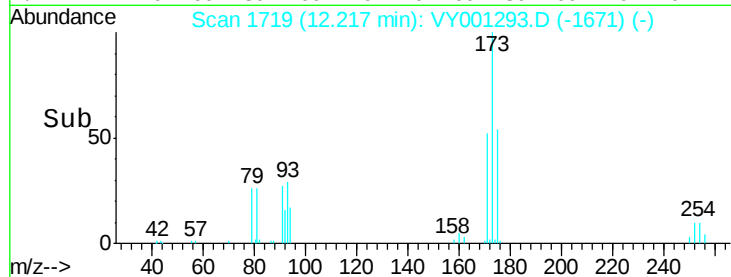
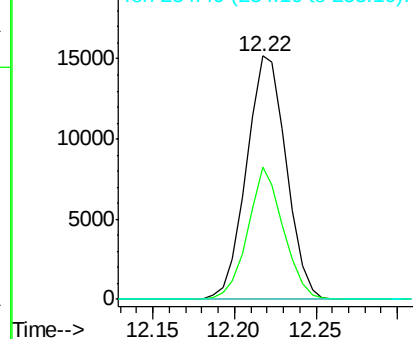


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

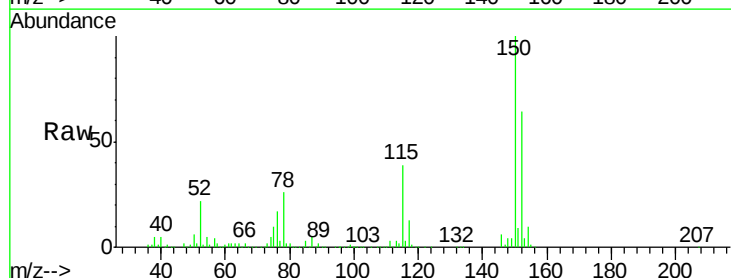
RT: 13.44 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.9	92.5
150	163.5	0.0	346.8

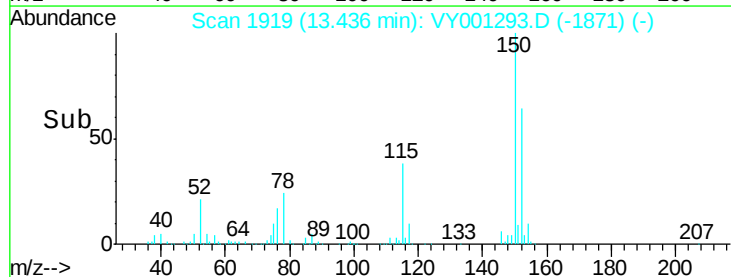
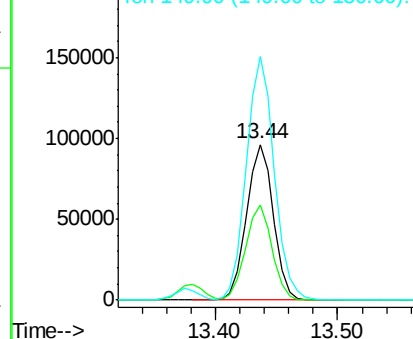


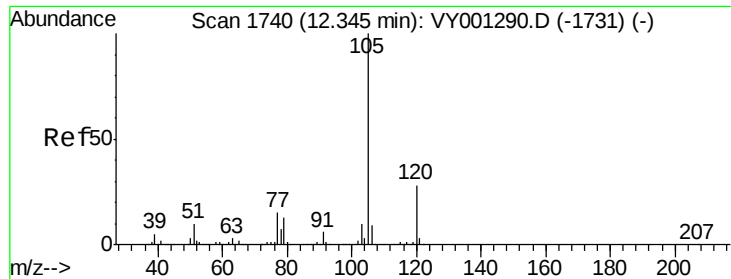
Abundance

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: 20.580 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0120SBS01

Tot Ion:105 Resp: 225149

Ion Ratio Lower Upper

105 100

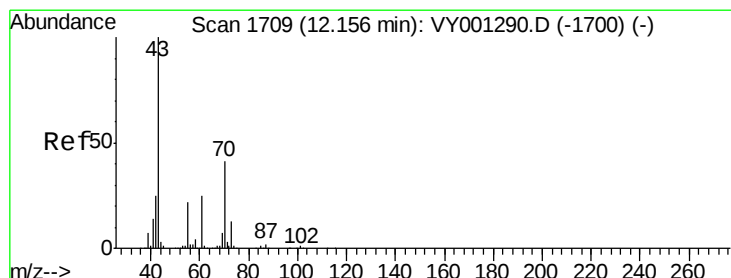
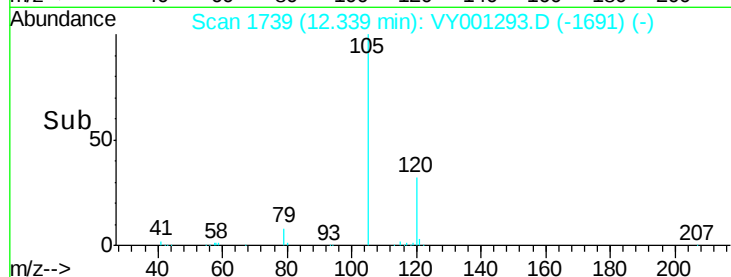
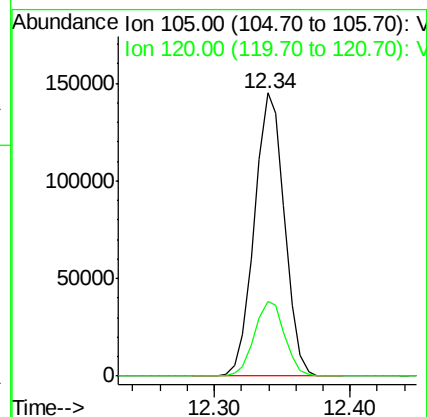
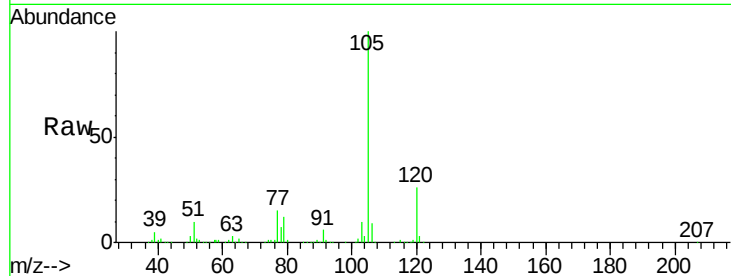
120 26.6 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

1/21/2020 10:59:55 AM



#74

N-ethyl acetate

Concen: 20.655 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.00 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Tgt Ion: 43 Resp: 70523

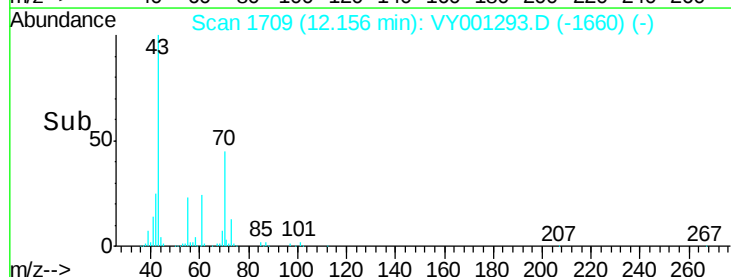
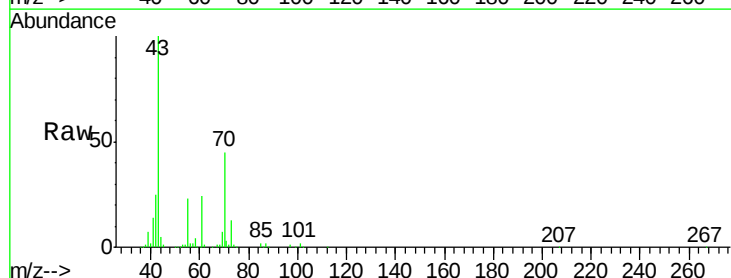
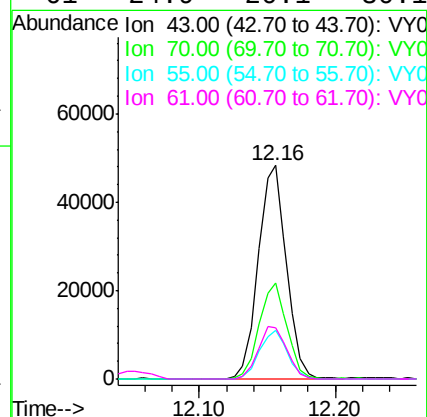
Ion Ratio Lower Upper

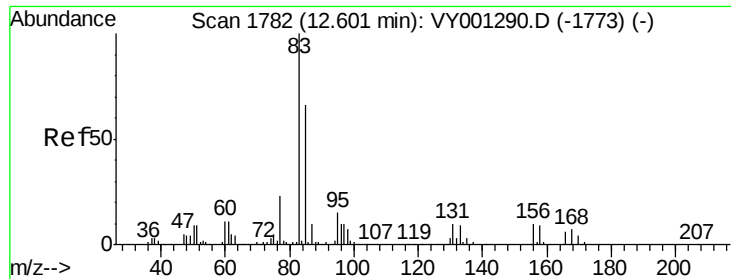
43 100

70 44.1 35.0 52.6

55 22.8 18.4 27.6

61 24.9 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.542 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

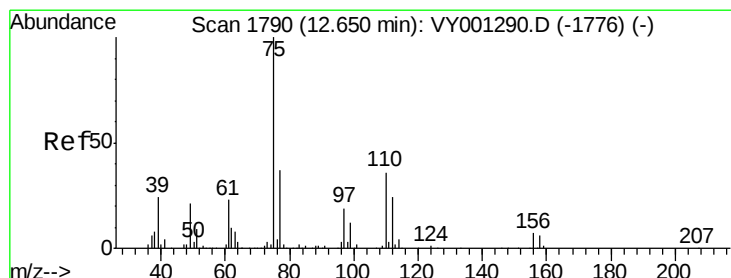
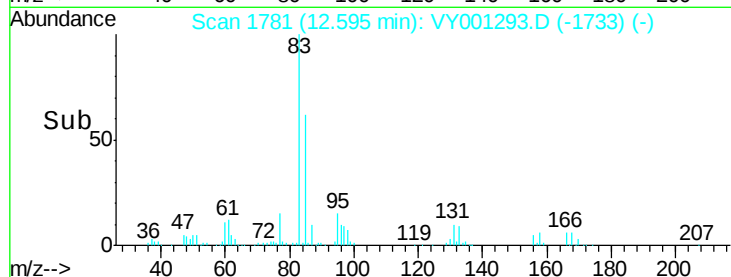
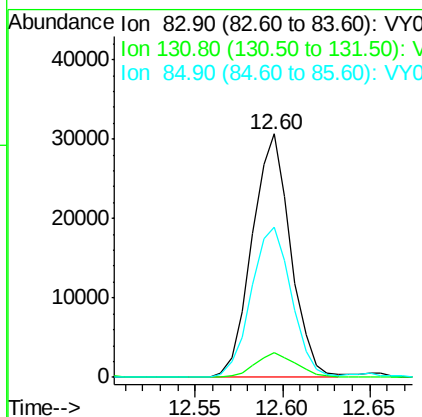
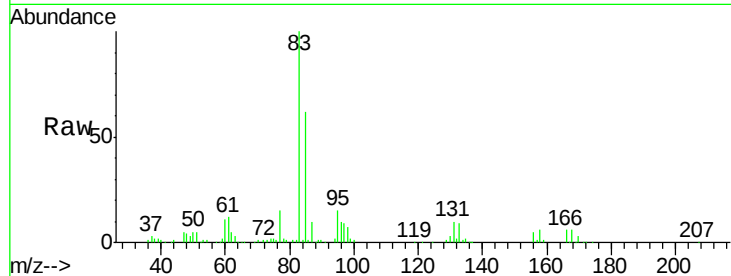
ClientSampleId :

VY0120SBS01

Tot Ion	83	Resp	47283
Ion Ratio	100	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	64.7	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
1/21/2020 10:59:55 AM



#76

1,2,3-Trichloropropane

Concen: 20.937 ug/l m

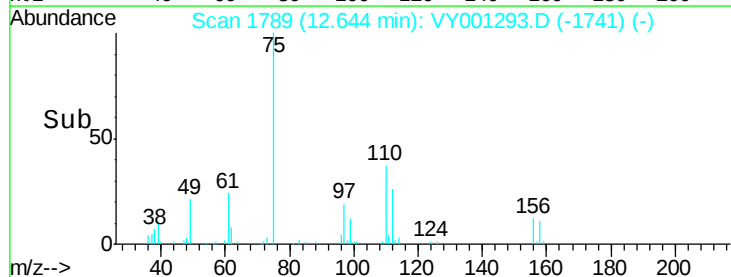
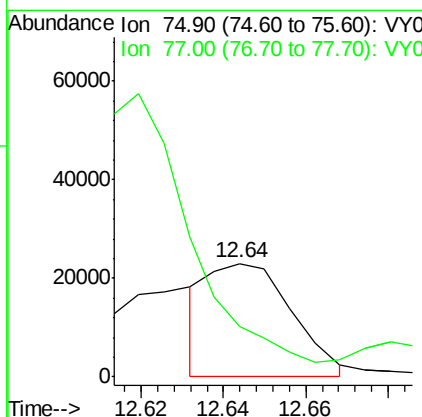
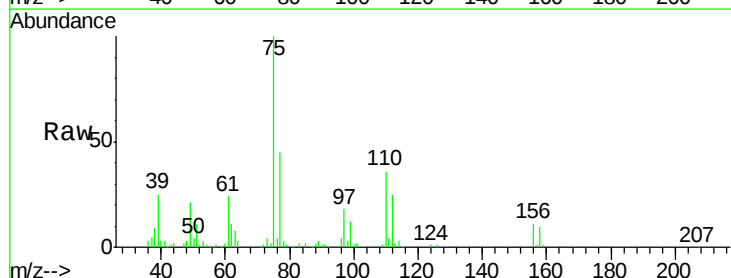
RT: 12.64 min Scan# 1789

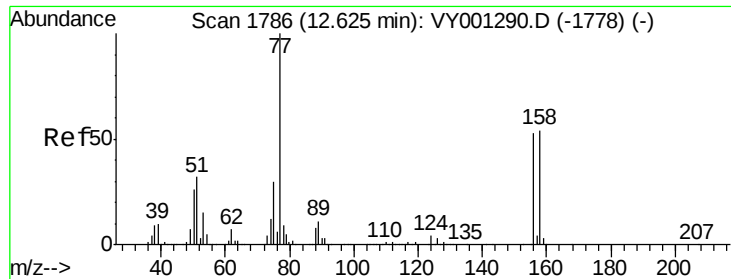
Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Tgt Ion	75	Resp	32618
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.039 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0120SBS01

Tot Ion:156 Resp: 50860

Ion Ratio Lower Upper

156 100

77 202.4 106.7 320.1

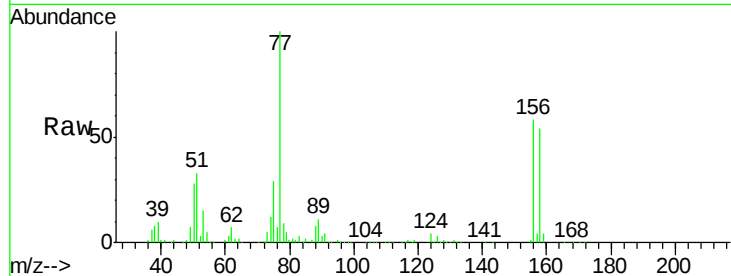
158 95.2 48.3 144.8

Manual Integrations

APPROVED

MMDadoda

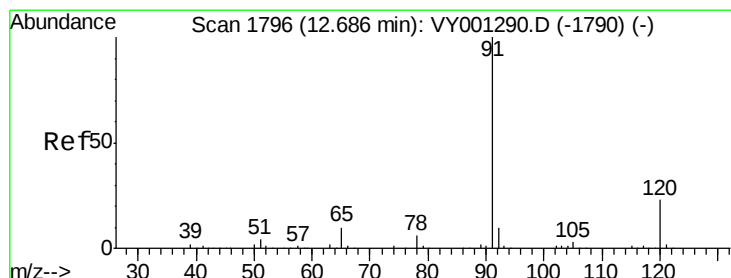
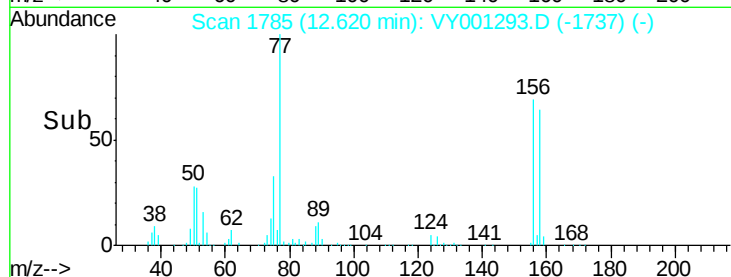
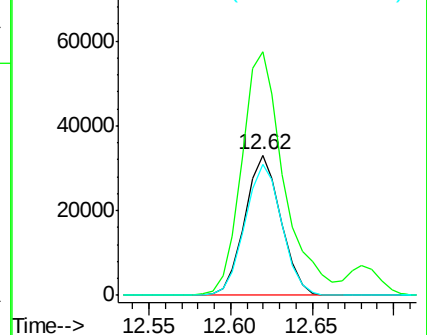
1/21/2020 10:59:55 AM



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: 20.391 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.01 min

Lab File: VY001293.D

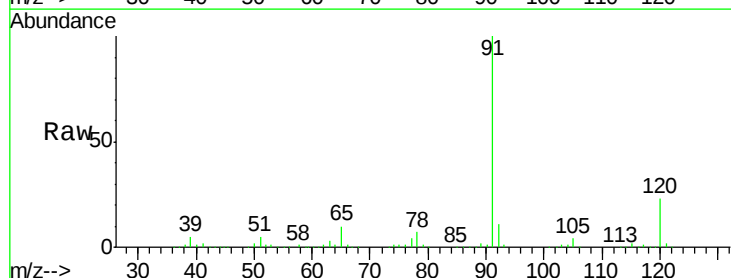
Acq: 20 Jan 2020 14:20

Tgt Ion: 91 Resp: 268341

Ion Ratio Lower Upper

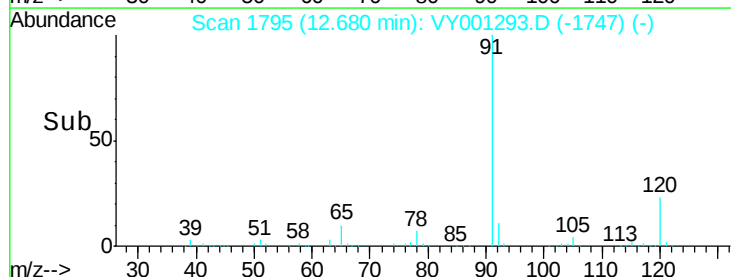
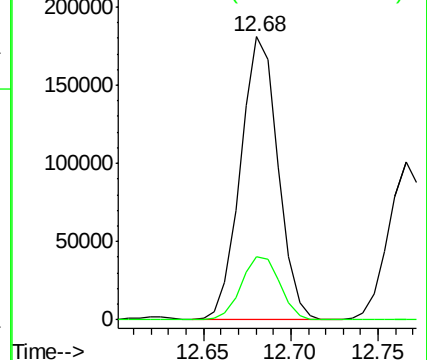
91 100

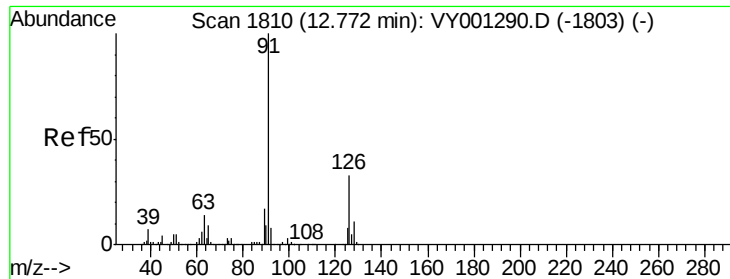
120 23.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.523 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.01 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0120SBS01

Tot Ion: 91 Resp: 155107

Ion Ratio Lower Upper

91 100

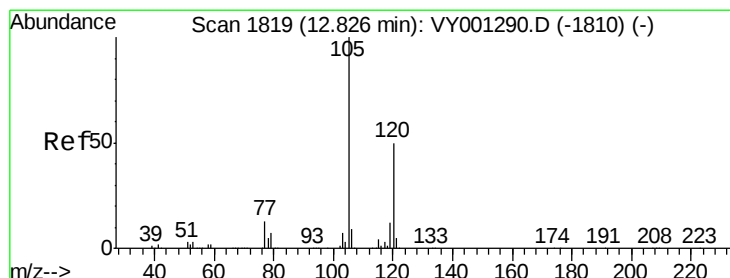
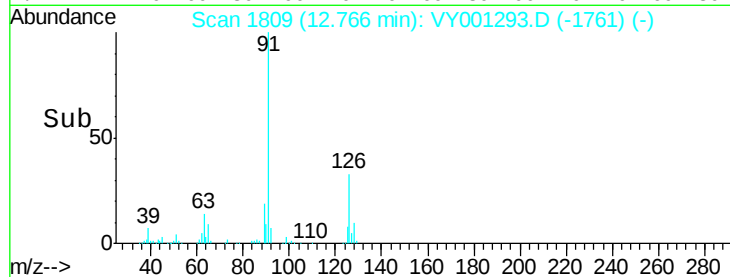
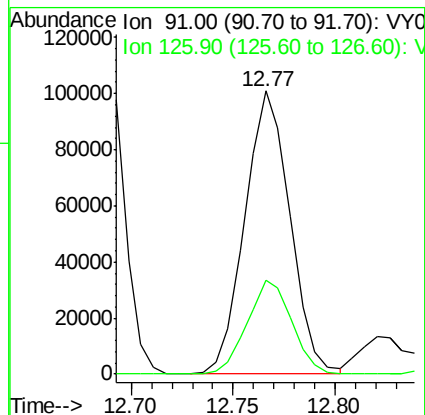
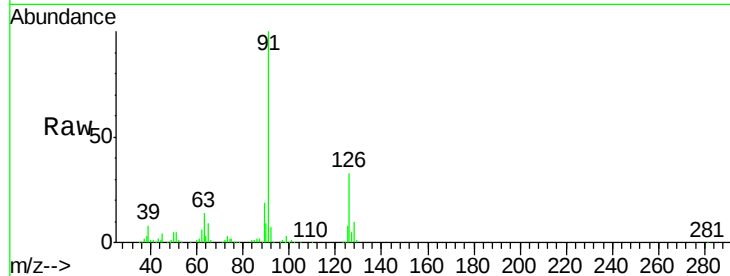
126 32.8 16.4 49.4

Manual Integrations

APPROVED

MMDadoda

1/21/2020 10:59:55 AM



#80

1,3,5-Trimethylbenzene

Concen: 20.626 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VY001293.D

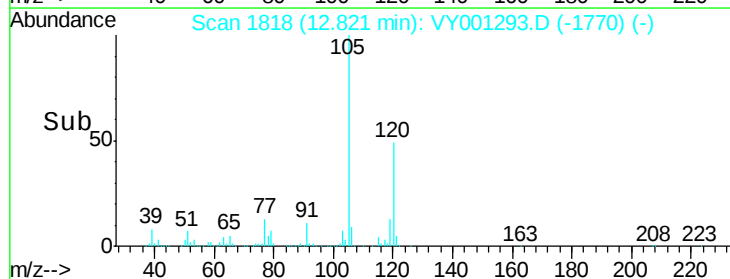
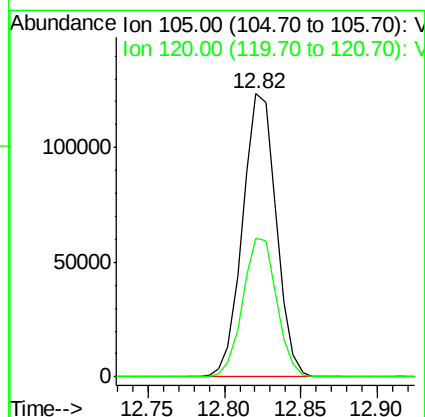
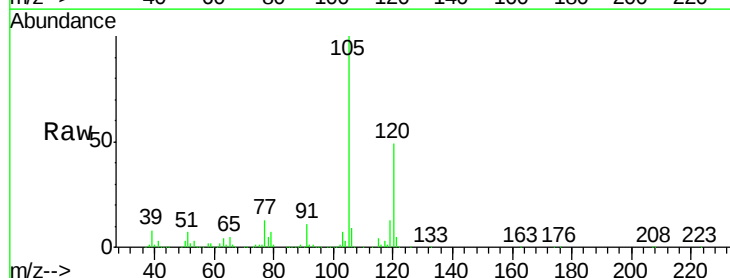
Acq: 20 Jan 2020 14:20

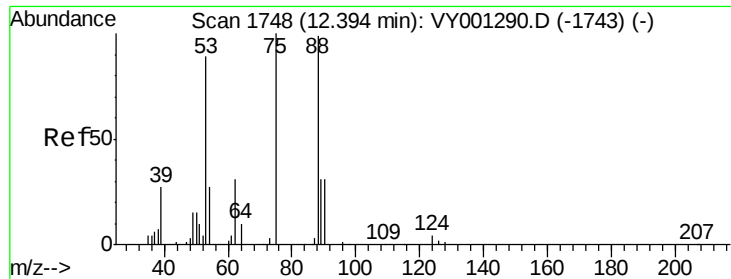
Tgt Ion: 105 Resp: 188283

Ion Ratio Lower Upper

105 100

120 49.3 24.2 72.6





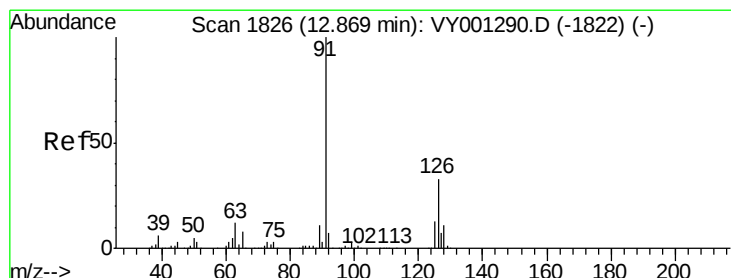
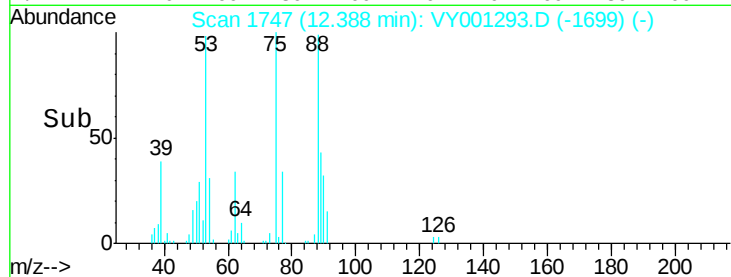
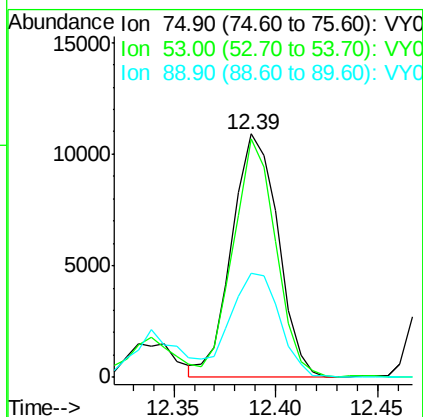
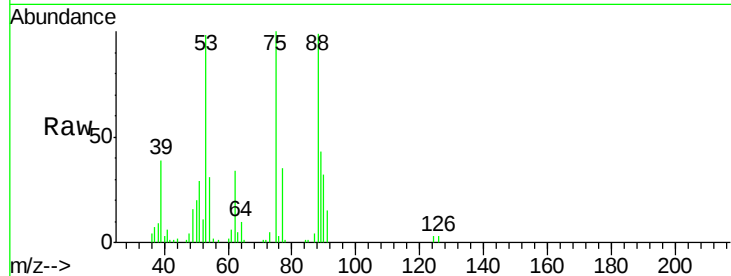
#81
trans-1,4-Dichloro-2-butene
Concen: 18.683 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.3	69.4	104.2
89	45.8	0.0	0.0#

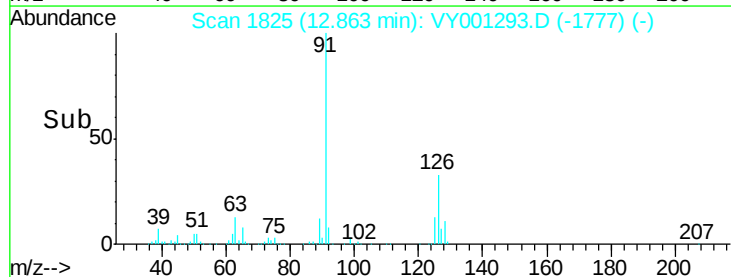
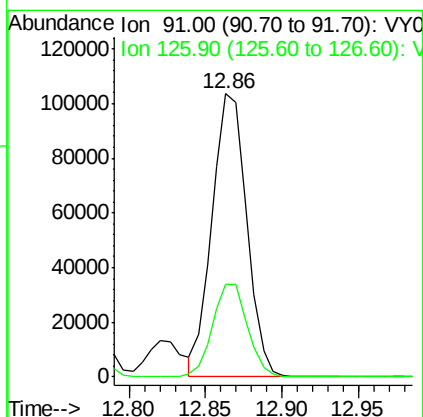
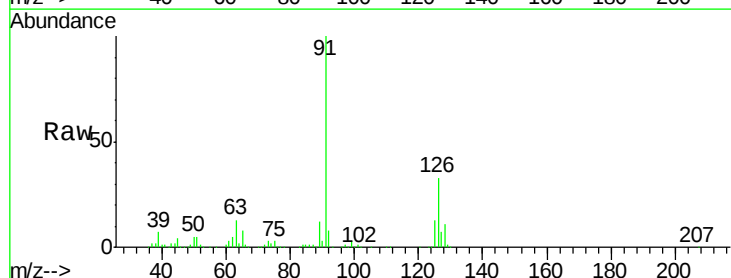
Manual Integrations
APPROVED

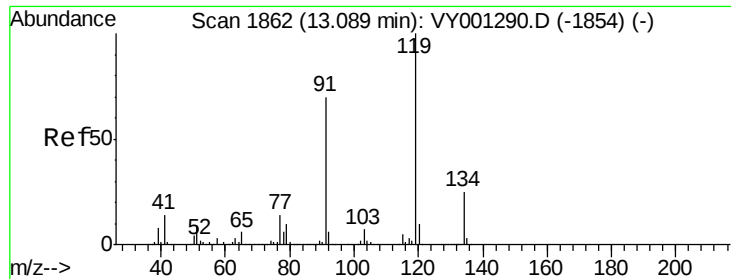
MMDadoda
1/21/2020 10:59:55 AM



#82
4-Chlorotoluene
Concen: 20.224 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.3	48.8





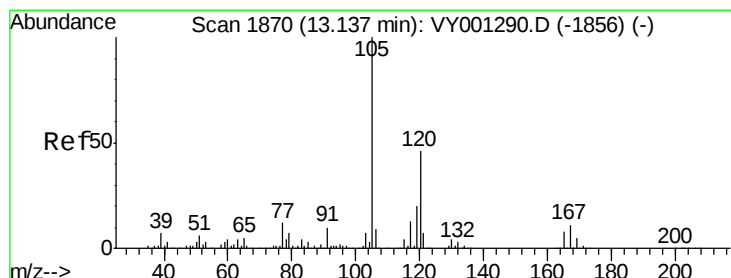
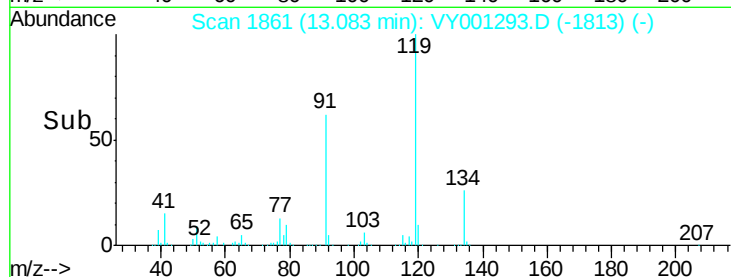
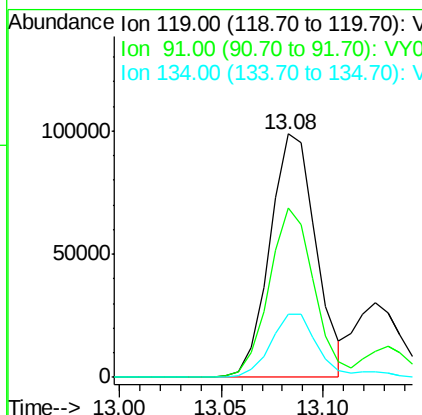
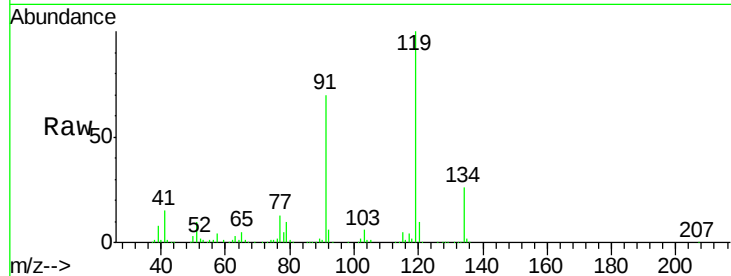
#83
 tert-Butylbenzene
 Concen: 20.287 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VY001293.D
 Acq: 20 Jan 2020 14:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	155609		
91	68.1	33.9	101.7	
134	27.6	13.5	40.4	

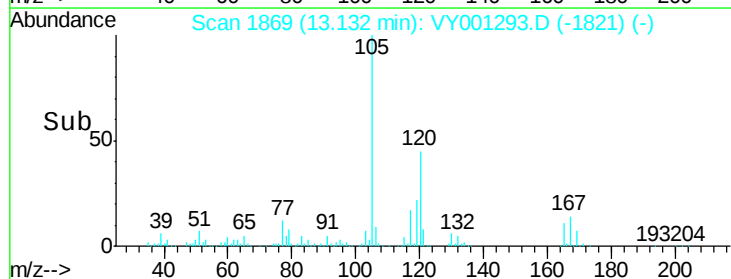
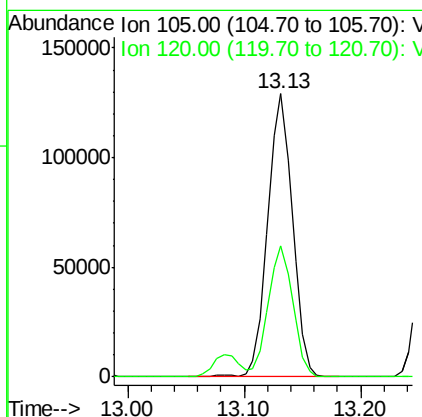
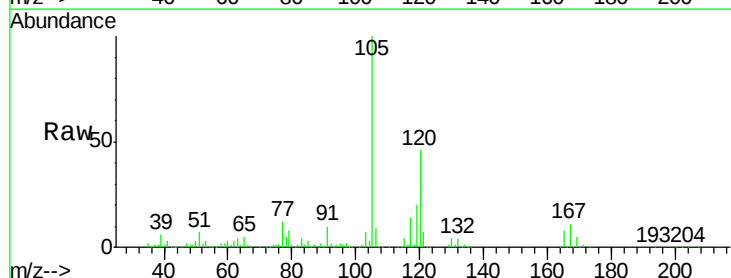
Manual Integrations
 APPROVED

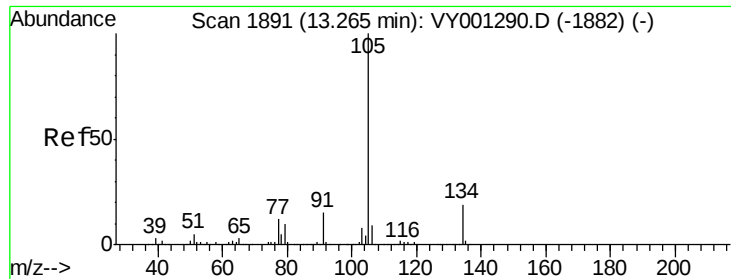
MMDadoda
 1/21/2020 10:59:55 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.952 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: VY001293.D
 Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	189934		
120	46.1	22.8	68.3	





#85

sec-Butylbenzene

Concen: 20.569 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0120SBS01

Tot Ion:105 Resp: 226969

Ion Ratio Lower Upper

105 100

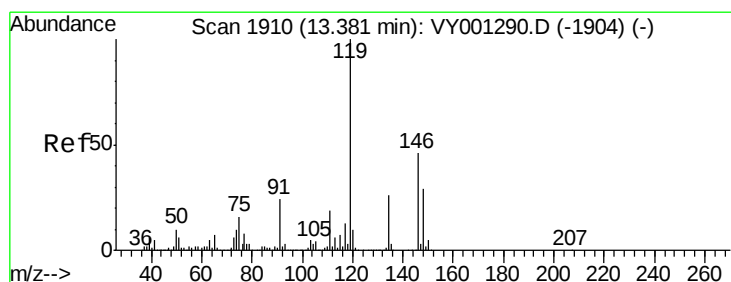
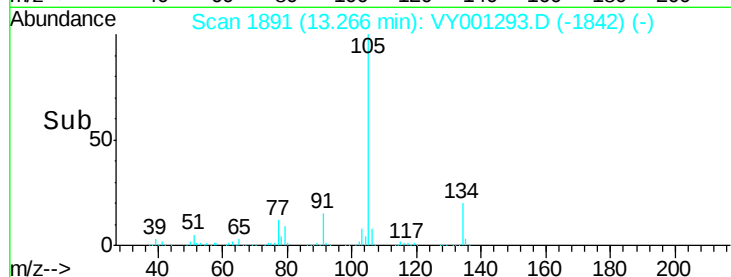
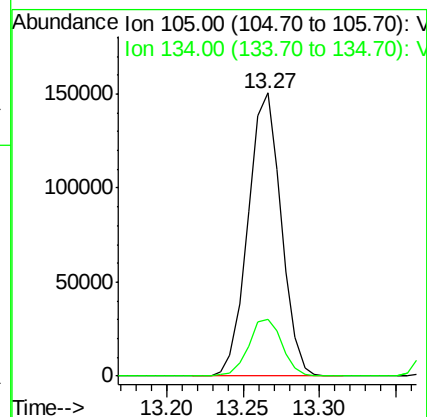
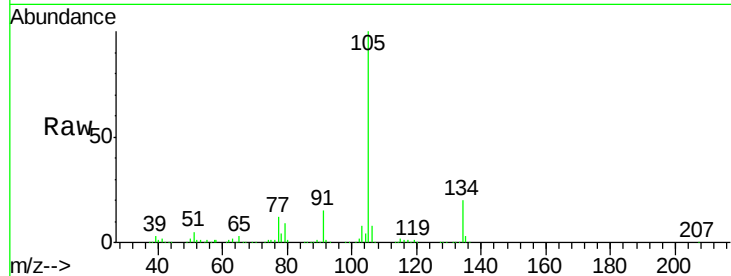
134 20.3 9.8 29.5

Manual Integrations

APPROVED

MMDadoda

1/21/2020 10:59:55 AM



#86

p-Isopropyltoluene

Concen: 21.136 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VY001293.D

Acq: 20 Jan 2020 14:20

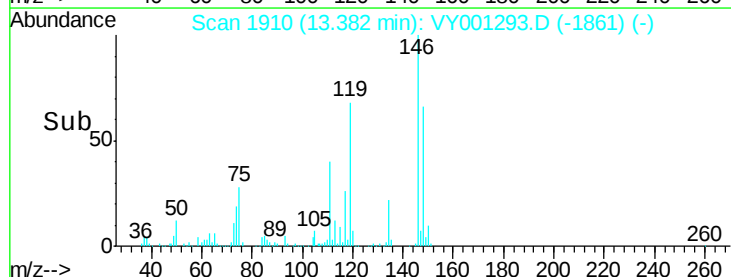
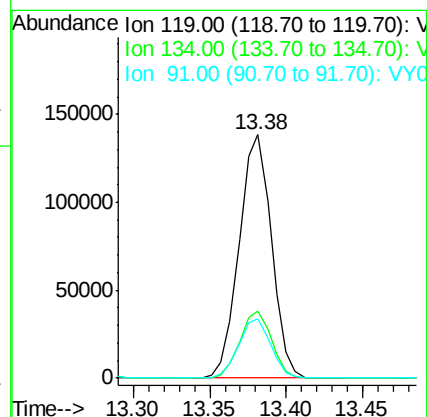
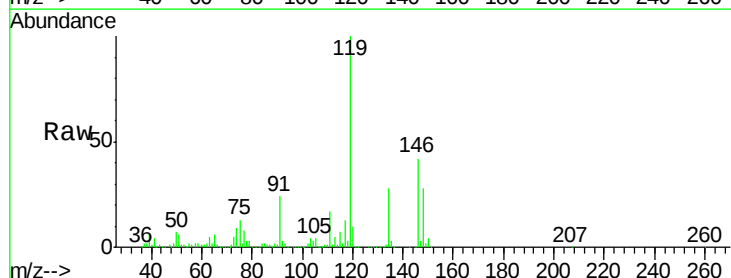
Tgt Ion:119 Resp: 202499

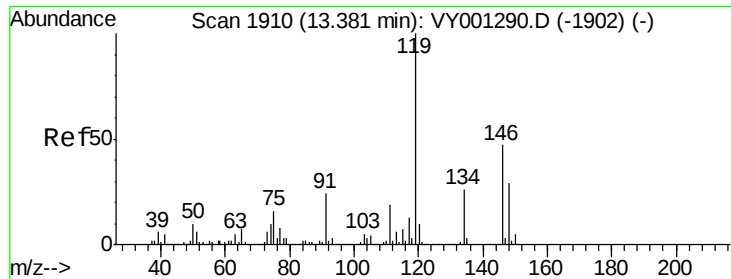
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 24.2 12.4 37.2





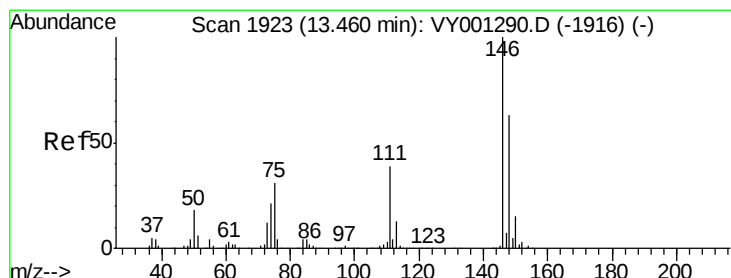
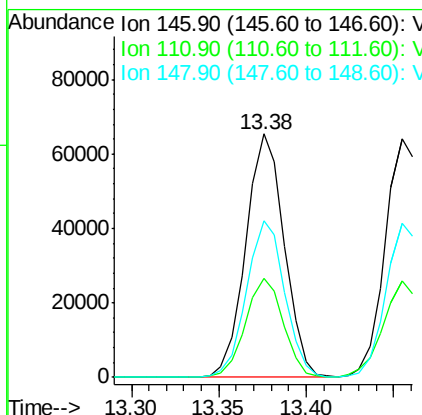
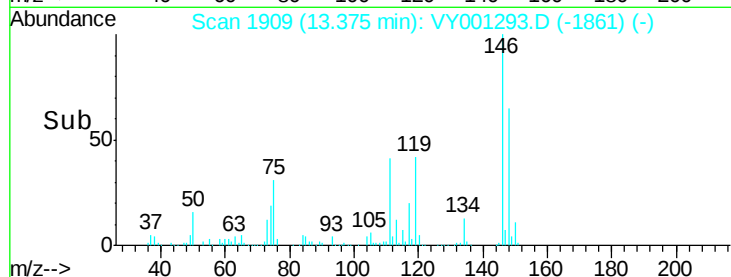
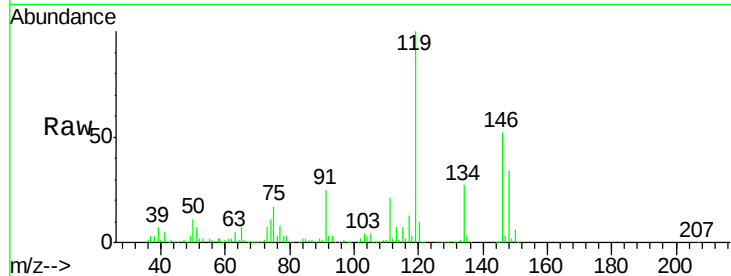
#87
 1,3-Dichlorobenzene
 Concen: 21.796 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.01 min
 Lab File: VY001293.D
 Acq: 20 Jan 2020 14:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0120SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.3	64.0
148	63.9	31.9	95.5

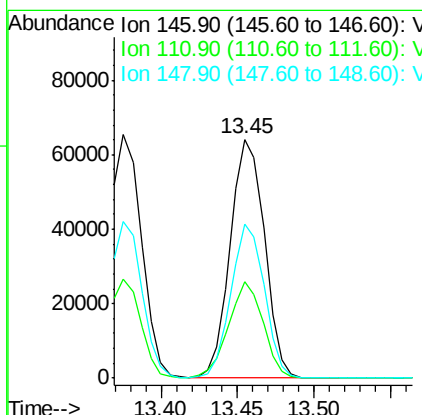
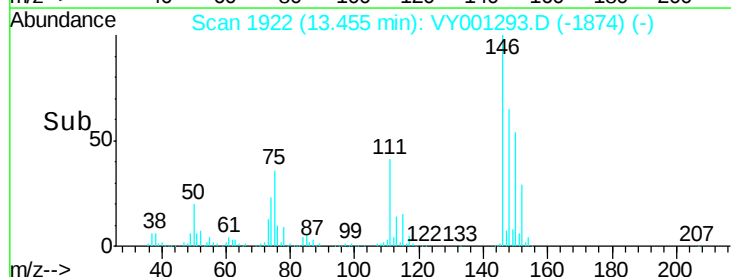
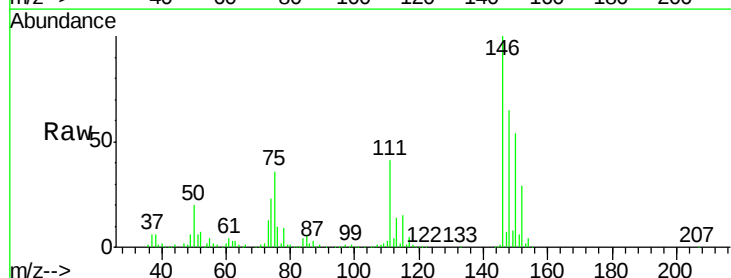
Manual Integrations
 APPROVED

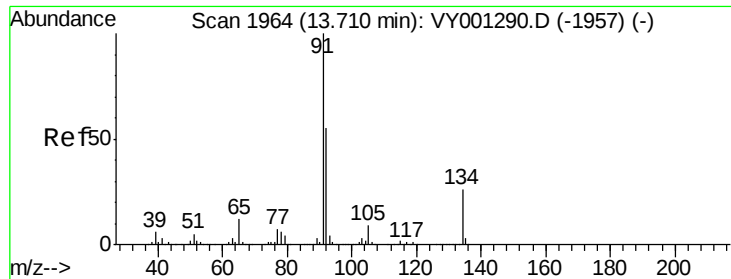
MMDadoda
 1/21/2020 10:59:55 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.245 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VY001293.D
 Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.5
148	63.3	32.0	96.2





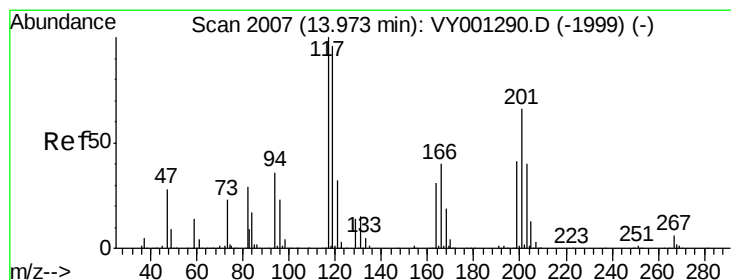
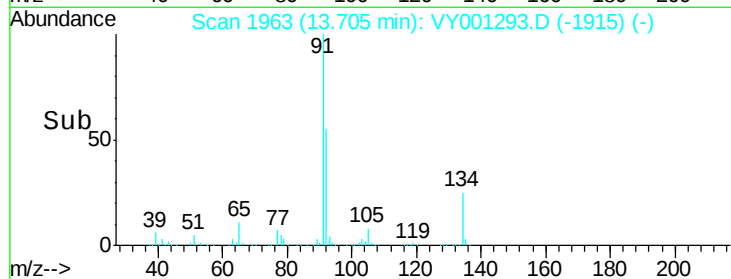
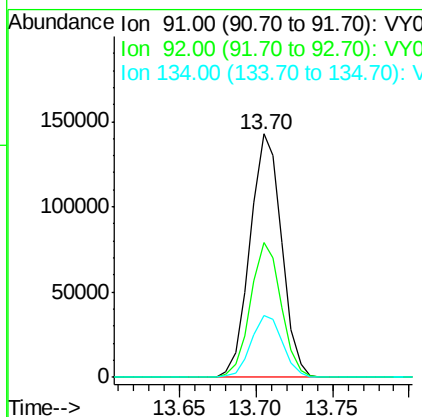
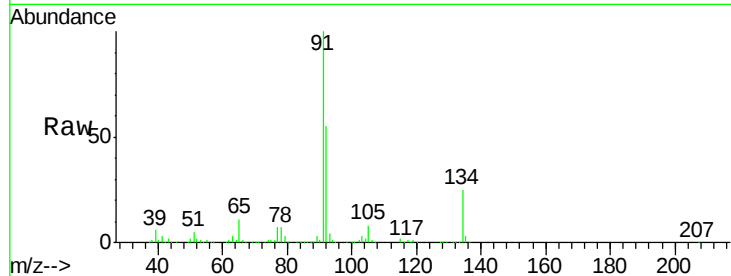
#89
n-Butylbenzene
Concen: 21.193 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.7	83.1
134	25.5	12.9	38.6

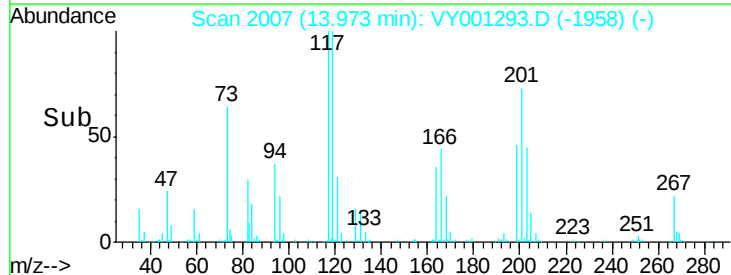
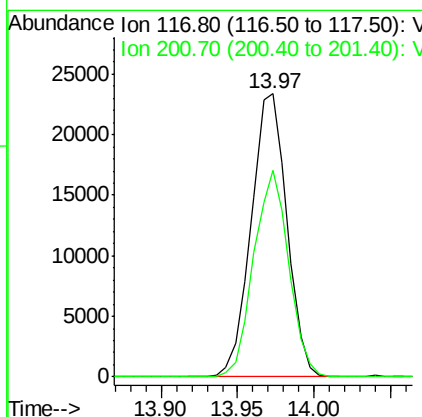
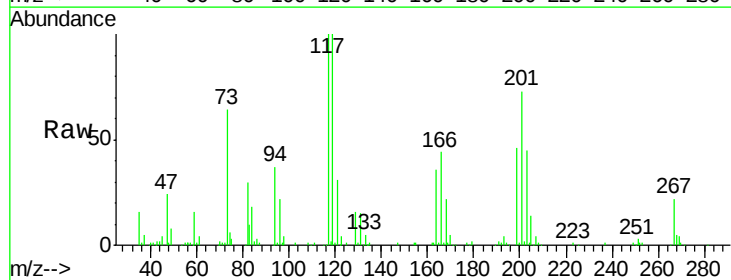
Manual Integrations
APPROVED

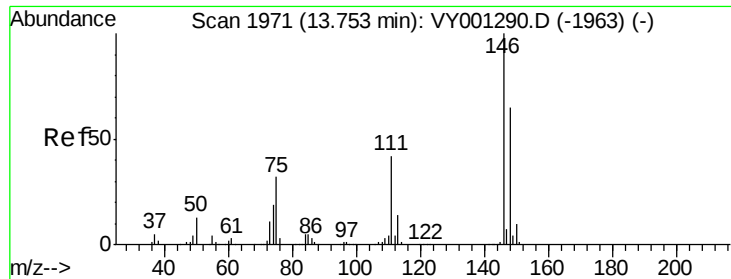
MMDadoda
1/21/2020 10:59:55 AM



#90
Hexachloroethane
Concen: 20.310 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.4	35.4	106.2





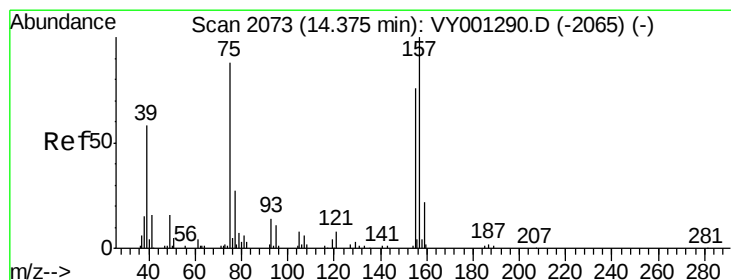
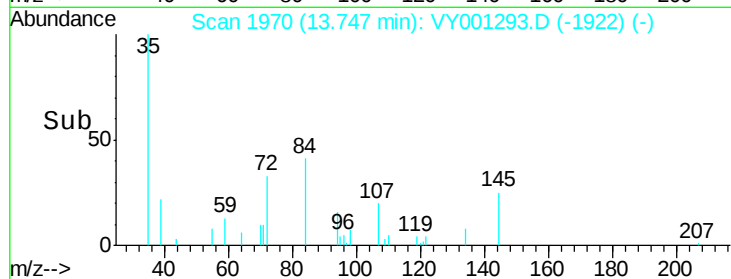
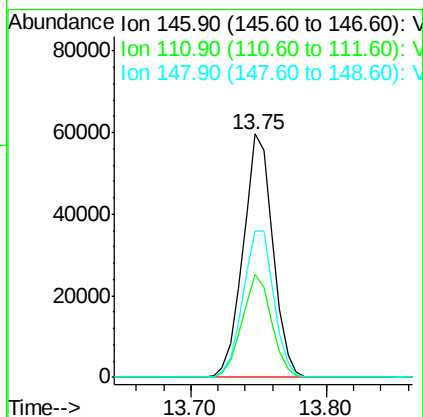
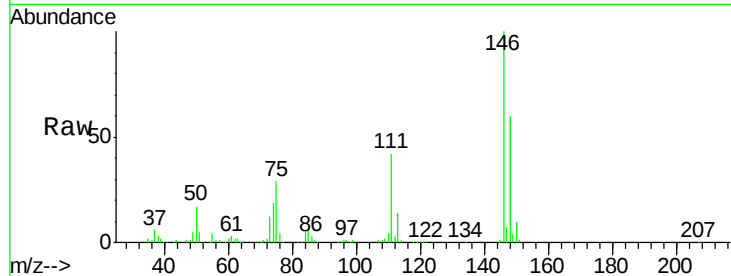
#91
 1,2-Dichlorobenzene
 Concen: 21.360 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.01 min
 Lab File: VY001293.D
 Acq: 20 Jan 2020 14:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0120SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	22.0	66.0
148	62.9	32.1	96.3

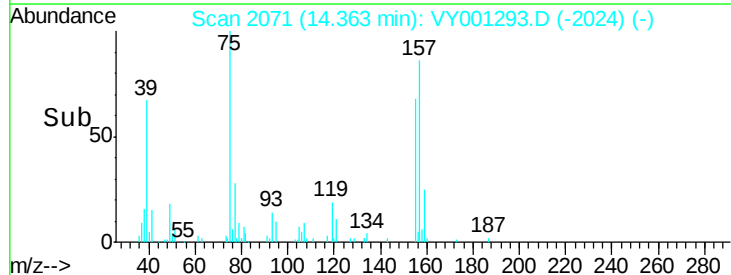
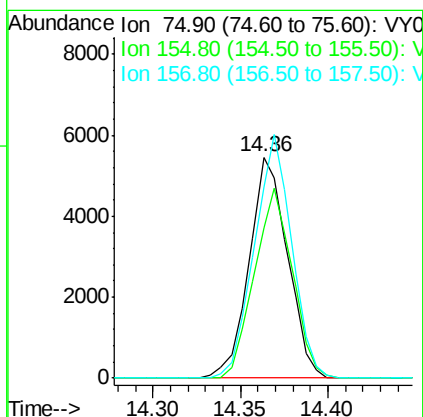
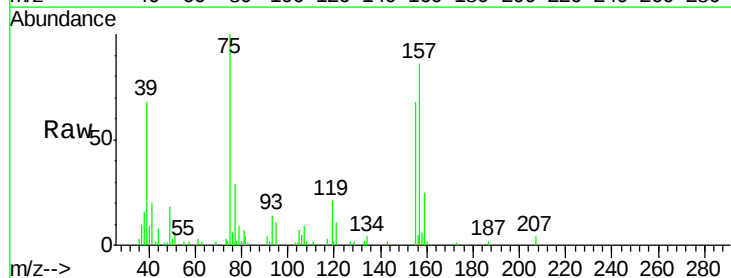
Manual Integrations
 APPROVED

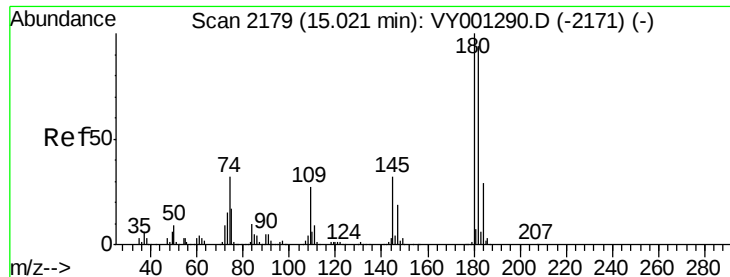
MMDadoda
 1/21/2020 10:59:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.973 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001293.D
 Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	41.2	123.6
157	107.3	52.8	158.4





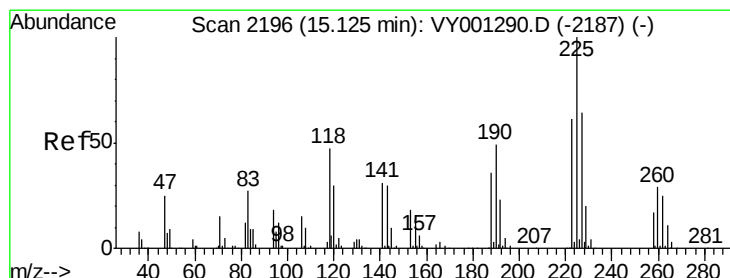
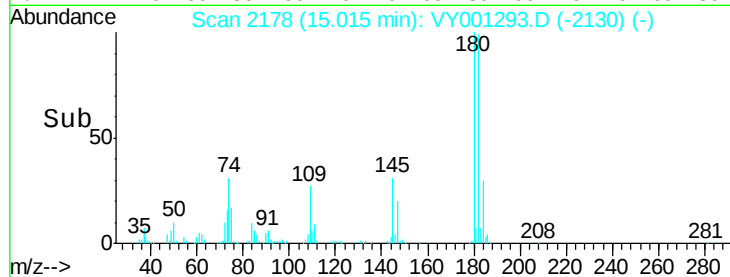
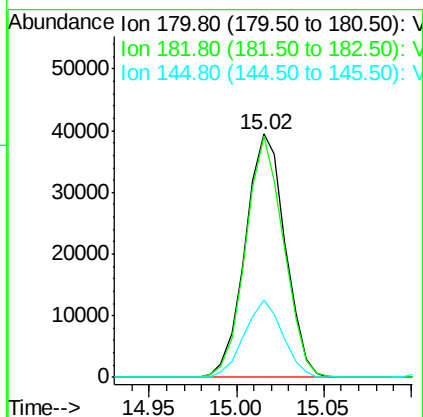
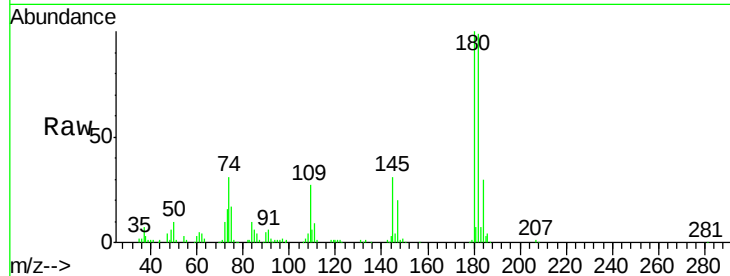
#93
 1,2,4-Trichlorobenzene
 Concen: 22.317 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VY001293.D
 Acq: 20 Jan 2020 14:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0120SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.9	140.8
145	30.7	16.0	48.0

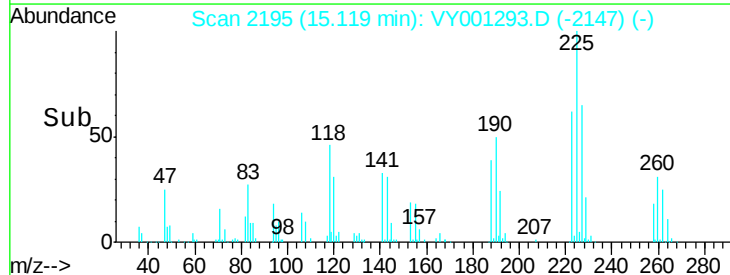
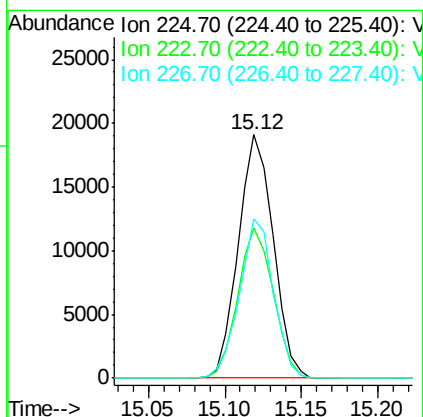
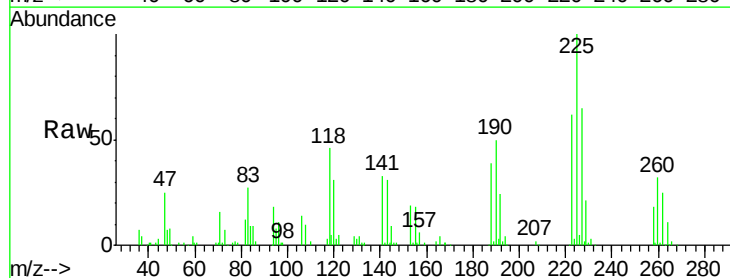
Manual Integrations
 APPROVED

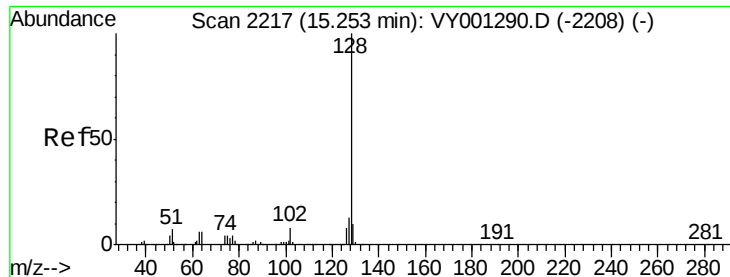
MMDadoda
 1/21/2020 10:59:55 AM



#94
 Hexachlorobutadiene
 Concen: 21.495 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY001293.D
 Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.1	93.3
227	63.4	31.3	93.9





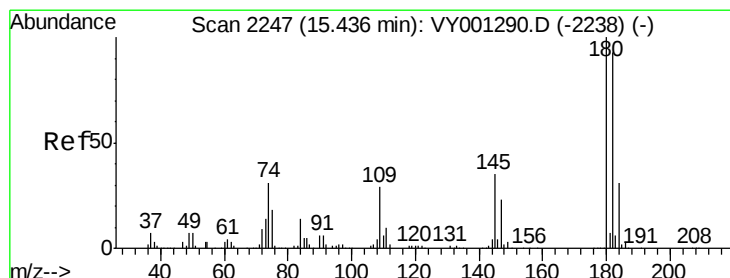
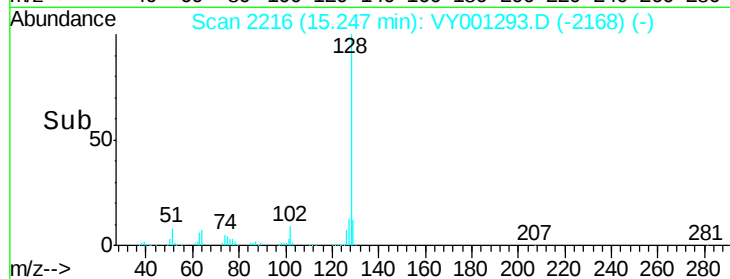
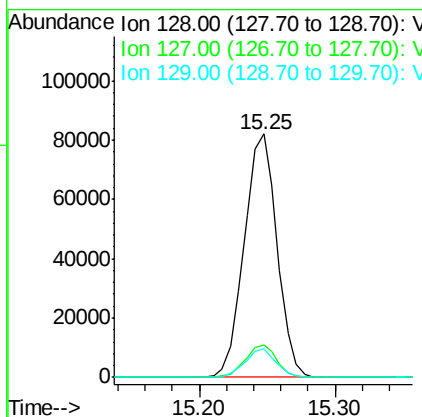
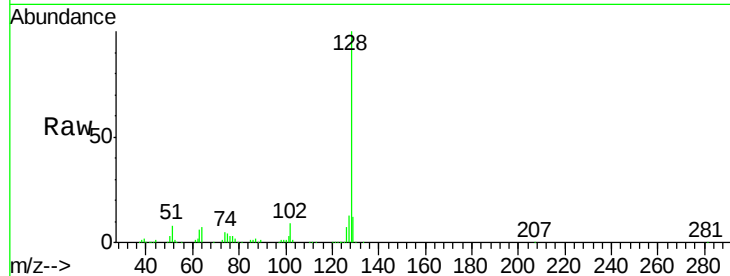
#95
Naphthalene
Concen: 21.241 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Instrument :
MSVOA_Y
ClientSampleId :
VY0120SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.1	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/21/2020 10:59:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.171 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.01 min
Lab File: VY001293.D
Acq: 20 Jan 2020 14:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.5
145	32.8	17.1	51.3

