

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
 Data File : VY001119.D
 Acq On : 30 Dec 2019 12:49
 Operator : SY/MD
 Sample : VY1230SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1230SBS01

Manual Integrations
 APPROVED

apatel
 12/31/2019 11:47:46 AM

Quant Time: Dec 31 05:53:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	298674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	521287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	459858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	210221	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	139969	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
35) Dibromofluoromethane	7.72	113	149166	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	10.18	98	612599	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.48	95	198170	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	54490	20.937	ug/l	99
3) Chloromethane	2.12	50	58132	16.412	ug/l	93
4) Vinyl Chloride	2.26	62	58488	17.003	ug/l	94
5) Bromomethane	2.64	94	37822	16.664	ug/l	100
6) Chloroethane	2.79	64	34860	16.271	ug/l	98
7) Trichlorofluoromethane	3.13	101	103748	20.563	ug/l	94
8) Diethyl Ether	3.53	74	41944	20.366	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.91	101	68763	20.748	ug/l	97
10) Methyl Iodide	4.09	142	91474	19.977	ug/l	99
11) Tert butyl alcohol	4.96	59	30805	95.108	ug/l	100
12) 1,1-Dichloroethene	3.88	96	70837	21.112	ug/l	94
13) Acrolein	3.73	56	36285	90.415	ug/l	96
14) Allyl chloride	4.49	41	94693	18.166	ug/l	96
15) Acrylonitrile	5.18	53	101234	98.352	ug/l	100
16) Acetone	3.96	43	69902	103.006	ug/l	99
17) Carbon Disulfide	4.19	76	226634	20.670	ug/l	96
18) Methyl Acetate	4.48	43	46493	17.857	ug/l	93
19) Methyl tert-butyl Ether	5.22	73	171450	19.797	ug/l	99
20) Methylene Chloride	4.72	84	91128	22.814	ug/l	88
21) trans-1,2-Dichloroethene	5.23	96	80304	21.595	ug/l	94
22) Diisopropyl ether	6.13	45	199004	18.888	ug/l	96
23) Vinyl Acetate	6.07	43	620829	93.303	ug/l	97
24) 1,1-Dichloroethane	6.03	63	122671	19.702	ug/l	97
25) 2-Butanone	6.99	43	109380	91.749	ug/l	90
26) 2,2-Dichloropropane	6.99	77	101369	19.817	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	85489	20.926	ug/l	96
28) Bromochloromethane	7.34	49	41730	17.178	ug/l	91
29) Tetrahydrofuran	7.36	42	75237	88.721	ug/l	93
30) Chloroform	7.52	83	117317	19.927	ug/l	97
31) Cyclohexane	7.79	56	124669	19.042	ug/l	88
32) 1,1,1-Trichloroethane	7.71	97	100467	20.004	ug/l	98
36) 1,1-Dichloropropene	7.93	75	101911	20.493	ug/l	98
37) Ethyl Acetate	7.08	43	50688	18.408	ug/l	97
38) Carbon Tetrachloride	7.91	117	89634	20.572	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
 Data File : VY001119.D
 Acq On : 30 Dec 2019 12:49
 Operator : SY/MD
 Sample : VY1230SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1230SBS01

Manual Integrations
 APPROVED

apatel
 12/31/2019 11:47:46 AM

Quant Time: Dec 31 05:53:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	135701	20.548	ug/l	94
40) Benzene	8.16	78	309899	20.656	ug/l	98
41) Methacrylonitrile	7.32	41	23661m	19.819	ug/l	
42) 1,2-Dichloroethane	8.24	62	71243	19.862	ug/l	98
43) Isopropyl Acetate	8.28	43	90990	17.850	ug/l	93
44) Trichloroethene	8.94	130	81682	20.663	ug/l	95
45) 1,2-Dichloropropane	9.22	63	74390	19.765	ug/l	99
46) Dibromomethane	9.31	93	39915	20.573	ug/l	94
47) Bromodichloromethane	9.50	83	88203	19.626	ug/l	96
48) Methyl methacrylate	9.30	41	37872	17.410	ug/l	87
49) 1,4-Dioxane	9.31	88	11263	396.844	ug/l #	95
51) 4-Methyl-2-Pentanone	10.07	43	241564	90.922	ug/l	97
52) Toluene	10.24	92	195297	21.149	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	96807	19.848	ug/l	93
54) cis-1,3-Dichloropropene	9.93	75	115044	19.616	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	58410	20.166	ug/l	94
56) Ethyl methacrylate	10.51	69	80673	19.570	ug/l	94
57) 1,3-Dichloropropane	10.79	76	103167	20.321	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	160666	100.908	ug/l	98
59) 2-Hexanone	10.83	43	162082	88.166	ug/l	94
60) Dibromochloromethane	10.99	129	63196	20.426	ug/l	98
61) 1,2-Dibromoethane	11.09	107	56949	20.561	ug/l	97
64) Tetrachloroethene	10.72	164	84713	21.291	ug/l	98
65) Chlorobenzene	11.52	112	201110	21.083	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	65700	20.871	ug/l	98
67) Ethyl Benzene	11.59	91	350769	20.444	ug/l	98
68) m/p-Xylenes	11.70	106	277613	42.614	ug/l	95
69) o-Xylene	12.03	106	131137	21.397	ug/l	95
70) Styrene	12.04	104	218819	20.998	ug/l	98
71) Bromoform	12.20	173	35830	20.442	ug/l #	99
73) Isopropylbenzene	12.33	105	334552	20.565	ug/l	97
74) N-amyl acetate	12.14	43	75872	17.753	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	65669	20.491	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	45780m	17.665	ug/l	
77) Bromobenzene	12.61	156	76383	20.877	ug/l	95
78) n-propylbenzene	12.67	91	407736	20.569	ug/l	99
79) 2-Chlorotoluene	12.75	91	217769	19.893	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	277953	20.844	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	24523	20.181	ug/l	95
82) 4-Chlorotoluene	12.85	91	222757	19.591	ug/l	97
83) tert-Butylbenzene	13.07	119	233546	20.864	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	273740	20.429	ug/l	97
85) sec-Butylbenzene	13.25	105	336986	20.421	ug/l	99
86) p-Isopropyltoluene	13.37	119	297427	20.830	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	148818	21.178	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	145769	20.564	ug/l	98
89) n-Butylbenzene	13.69	91	292024	20.327	ug/l	98
90) Hexachloroethane	13.95	117	55460	20.616	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	133971	20.668	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10149	18.928	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
Data File : VY001119.D
Acq On : 30 Dec 2019 12:49
Operator : SY/MD
Sample : VY1230SBS01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:46 AM

Quant Time: Dec 31 05:53:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	93570	21.387	ug/l	98
94) Hexachlorobutadiene	15.11	225	43761	21.019	ug/l	99
95) Naphthalene	15.23	128	215864	20.980	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	83420	21.380	ug/l	100

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

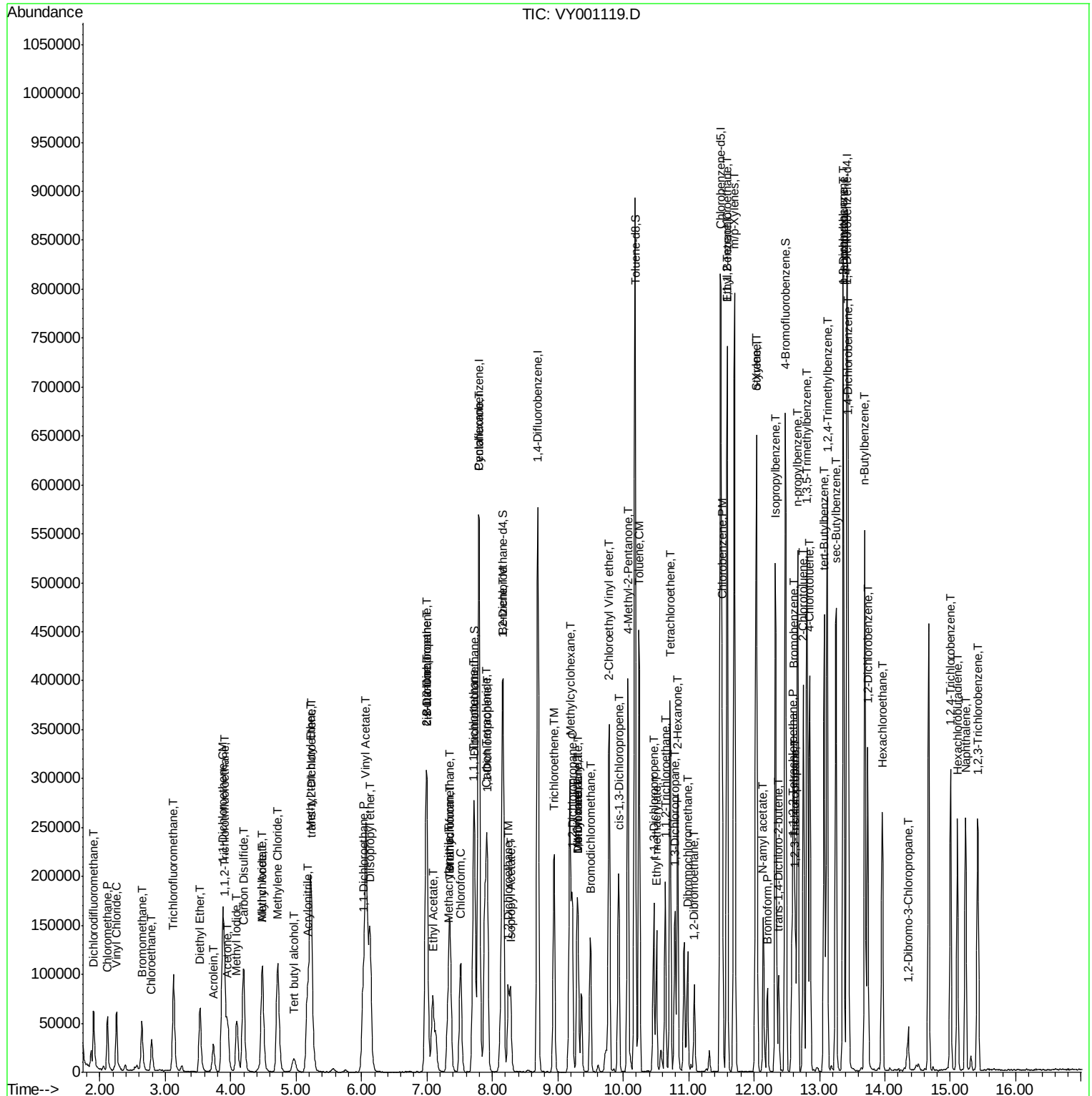
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
Data File : VY001119.D
Acq On : 30 Dec 2019 12:49
Operator : SY/MD
Sample : VY1230SBS01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

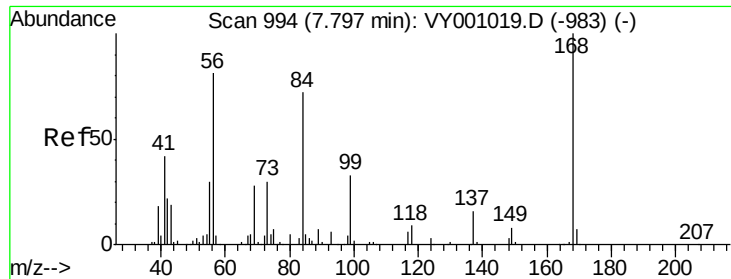
Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:46 AM

Quant Time: Dec 31 05:53:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY1230SBS01

Tot Ion:168 Resp: 298674

Ion Ratio Lower Upper

168 100

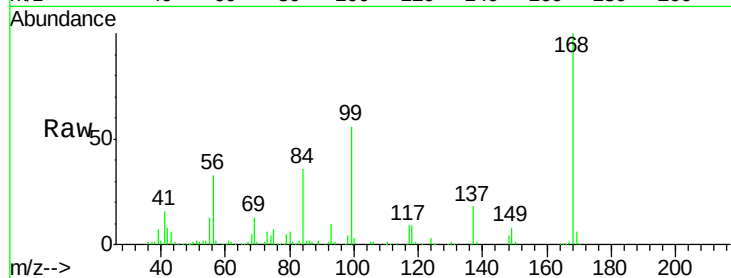
99 55.5 44.0 66.0

Manual Integrations

APPROVED

apatel

12/31/2019 11:47:46 AM



Abundance Ion 167.90 (167.60 to 168.60): VY001119.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY001119.D (-945) (-)

7.80

150000

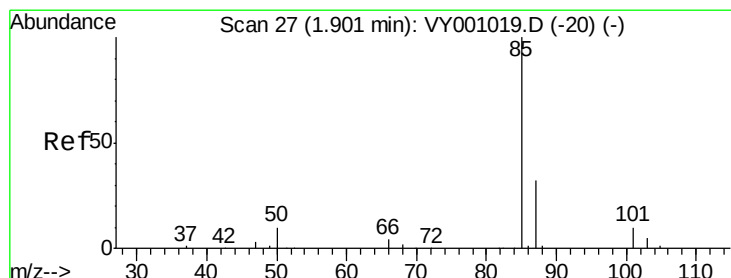
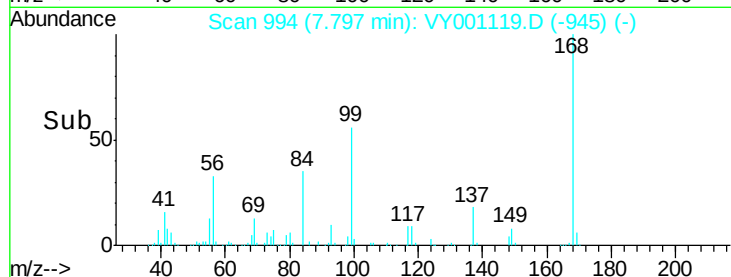
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 20.937 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001119.D

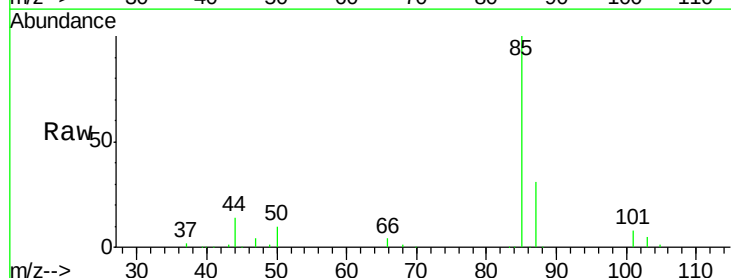
Acq: 30 Dec 2019 12:49

Tgt Ion: 85 Resp: 54490

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY001119.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001119.D (-1) (-)

1.90

40000

30000

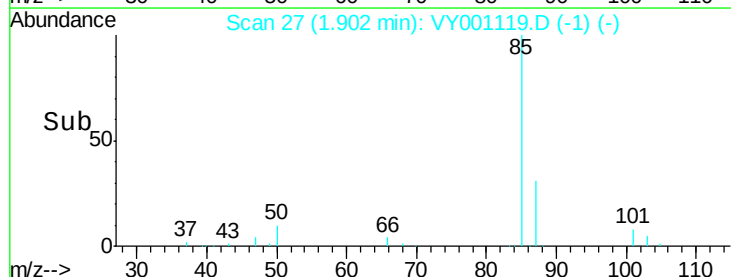
20000

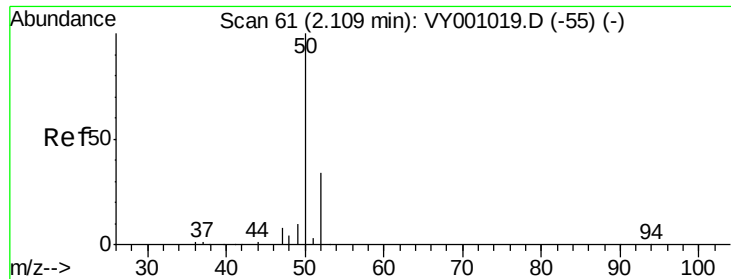
10000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 16.412 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY1230SBS01

Tot Ion: 50 Resp: 58132

Ion Ratio Lower Upper

50 100

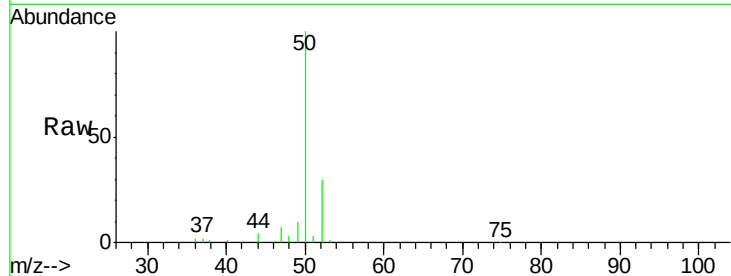
52 29.9 27.1 40.7

Manual Integrations

APPROVED

apatel

12/31/2019 11:47:46 AM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

40000

30000

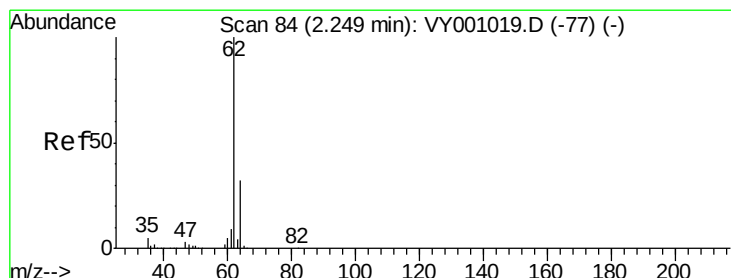
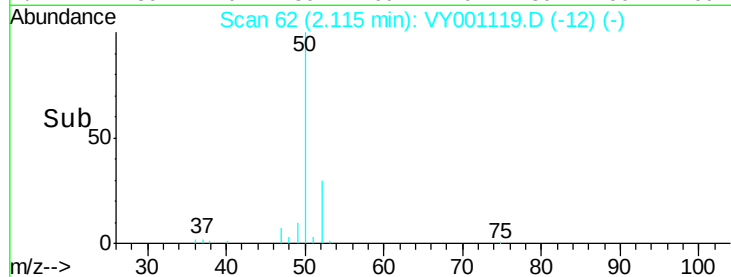
20000

10000

0

Time-->

2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 17.003 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001119.D

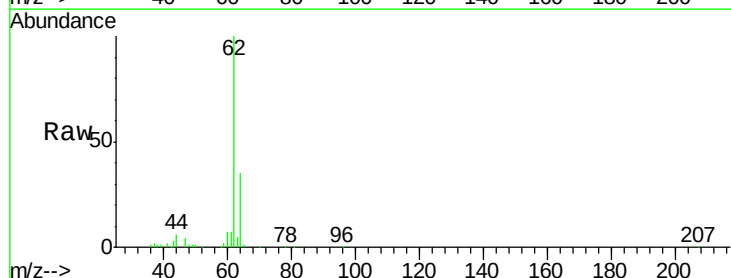
Acq: 30 Dec 2019 12:49

Tgt Ion: 62 Resp: 58488

Ion Ratio Lower Upper

62 100

64 35.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

40000

30000

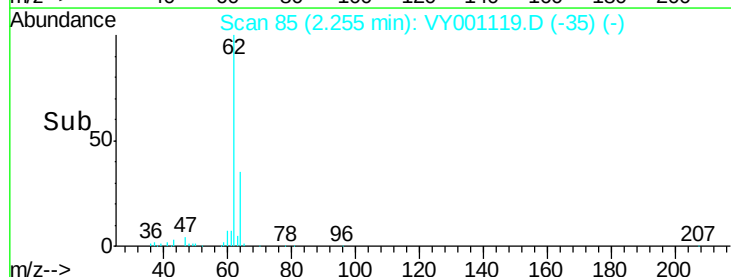
20000

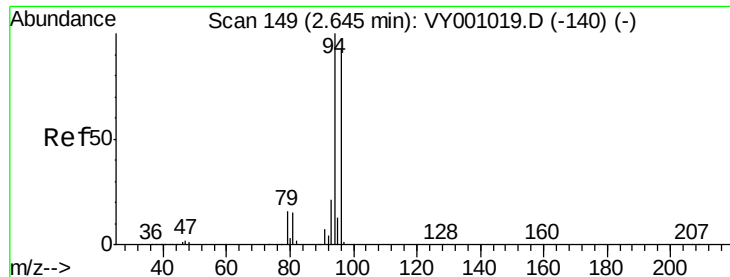
10000

0

Time-->

2.20 2.30





#5

Bromomethane

Concen: 16.664 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY1230SBS01

Tot Ion: 94 Resp: 37822

Ion Ratio Lower Upper

94 100

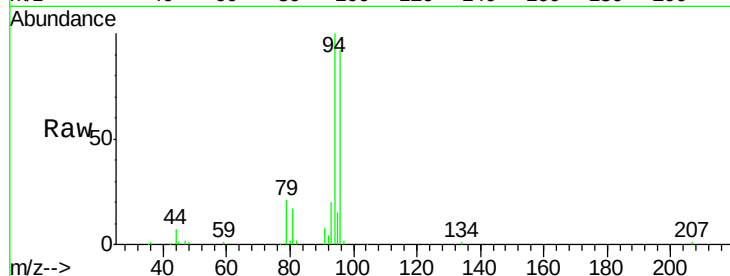
96 92.5 74.2 111.4

Manual Integrations

APPROVED

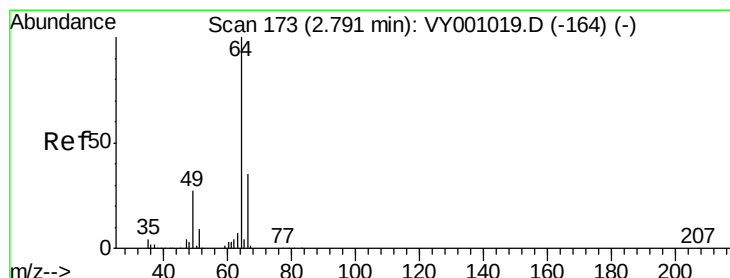
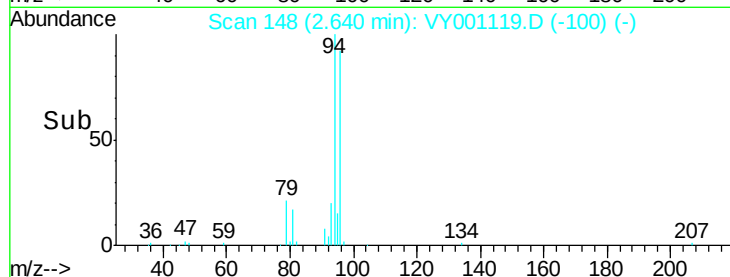
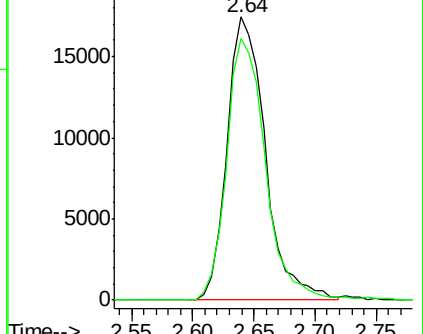
apatel

12/31/2019 11:47:46 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 16.271 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY001119.D

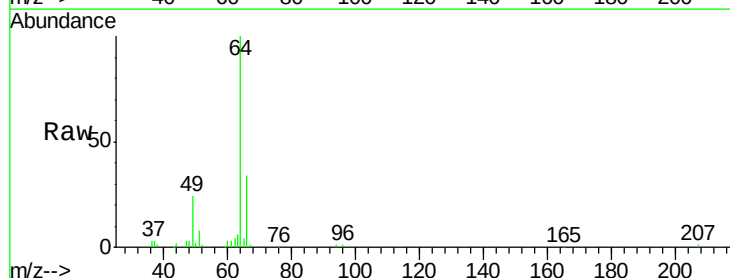
Acq: 30 Dec 2019 12:49

Tgt Ion: 64 Resp: 34860

Ion Ratio Lower Upper

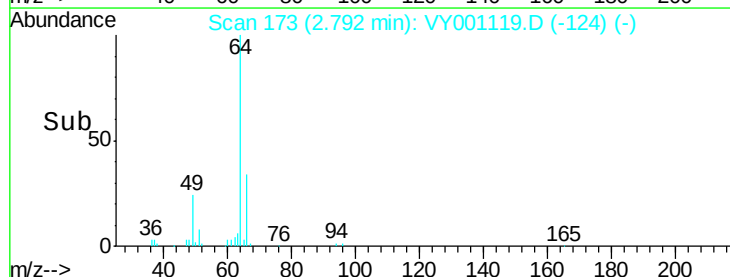
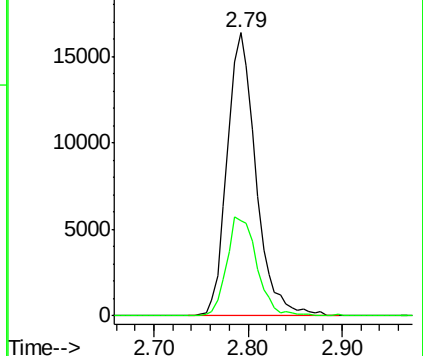
64 100

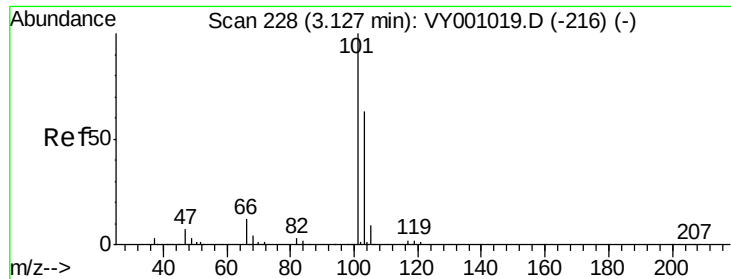
66 33.6 27.8 41.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

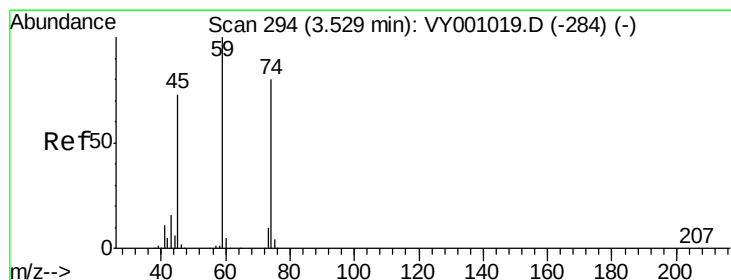
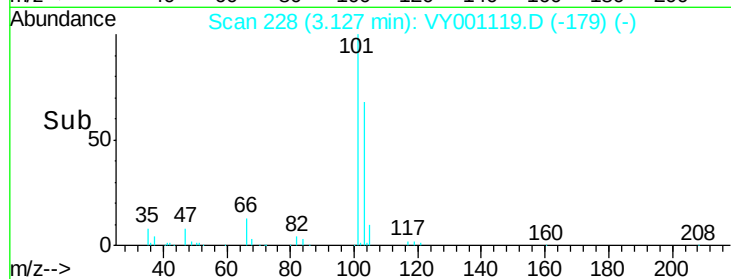
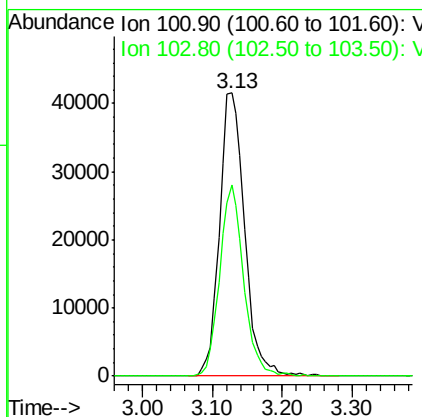
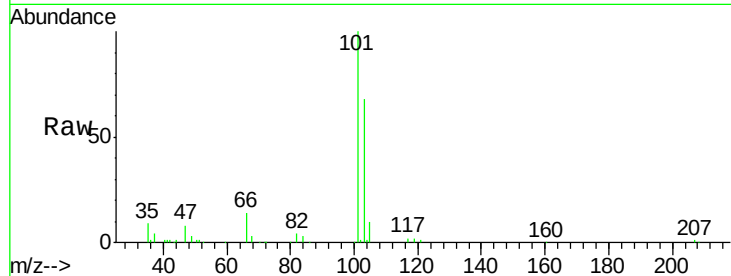
Trichlorofluoromethane
Concen: 20.563 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	103748		
103	67.7	50.2	75.2	

Manual Integrations
APPROVED

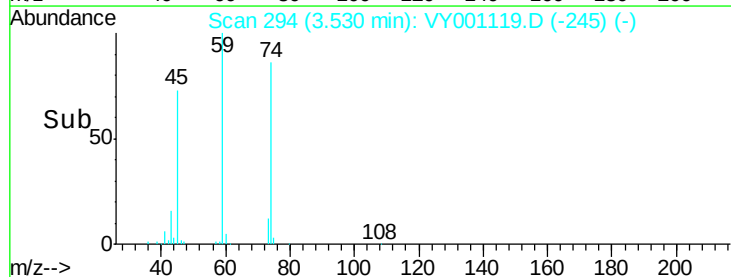
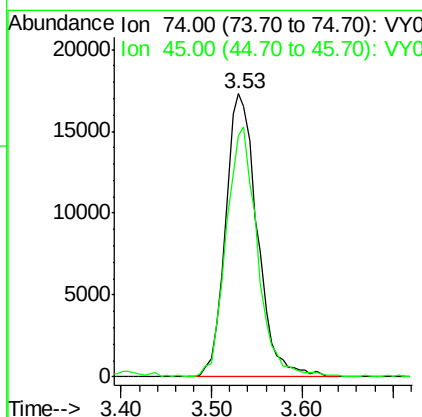
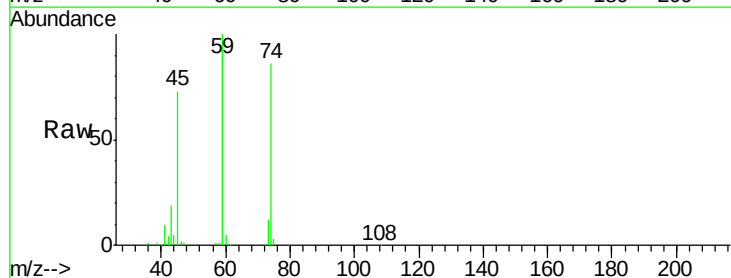
apatel
12/31/2019 11:47:46 AM

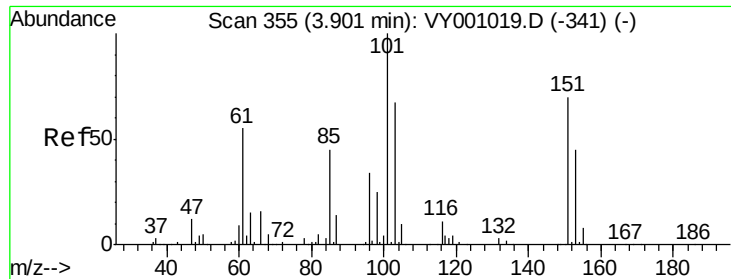


#8

Diethyl Ether
Concen: 20.366 ug/l
RT: 3.53 min Scan# 294
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	41944		
45	87.3	46.4	139.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.748 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

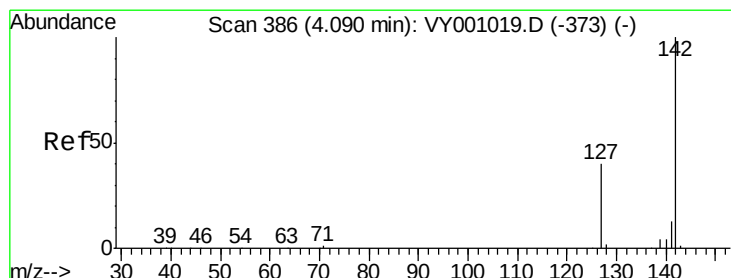
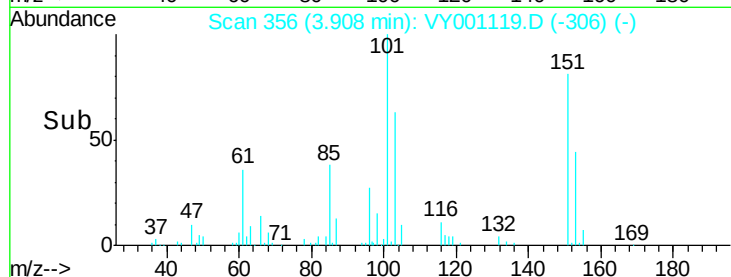
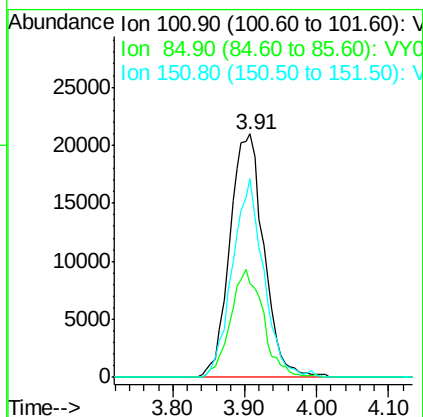
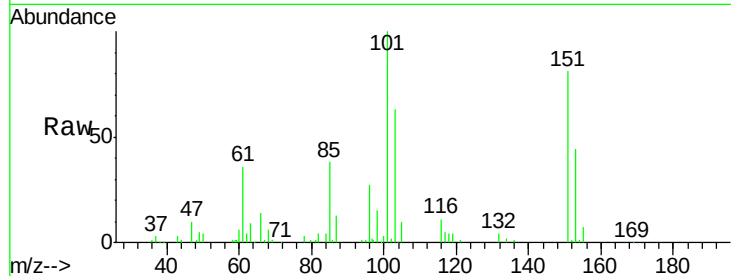
ClientSampleId :

VY1230SBS01

Tot Ion:	101	Resp:	68763
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.2
151	74.6	57.0	85.6

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:46 AM



#10

Methyl Iodide

Concen: 19.977 ug/l

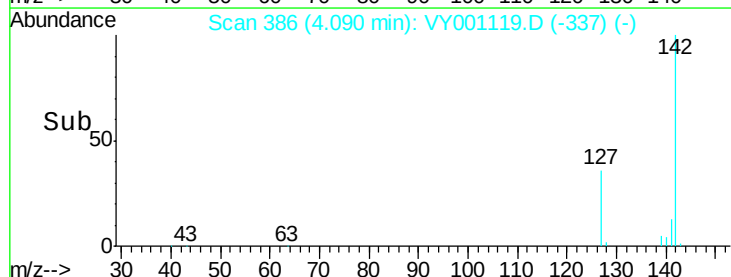
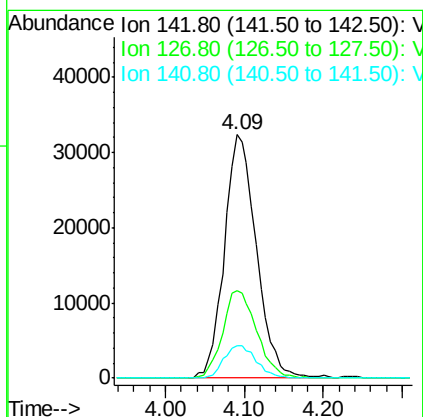
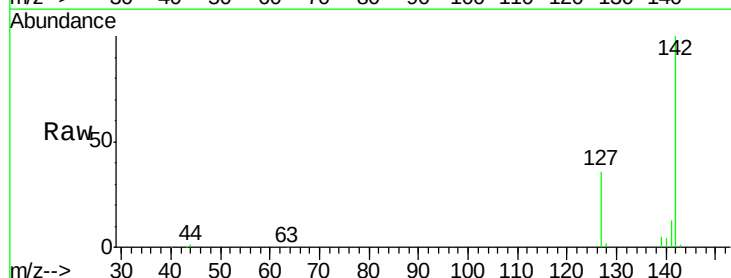
RT: 4.09 min Scan# 386

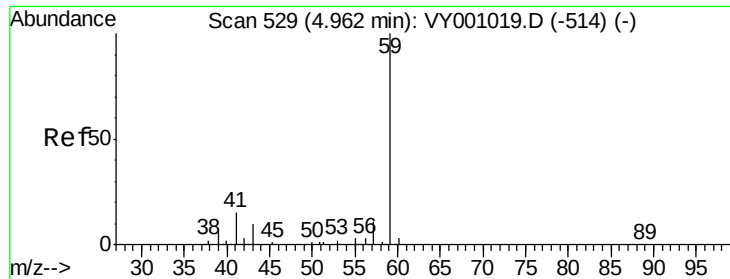
Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Tgt Ion:	142	Resp:	91474
Ion Ratio	Lower	Upper	
142	100		
127	38.1	31.2	46.8
141	13.5	11.0	16.4





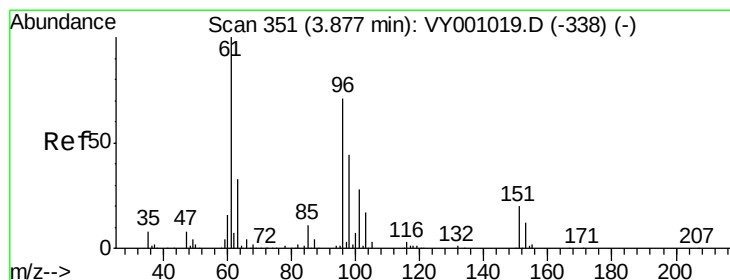
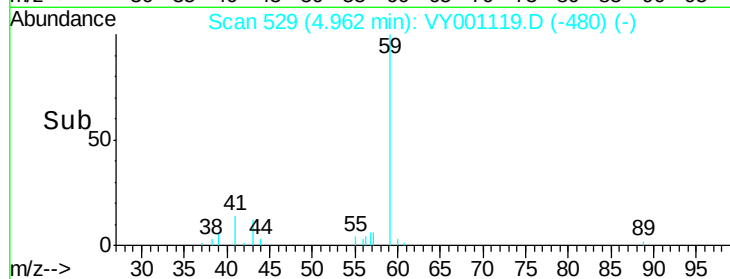
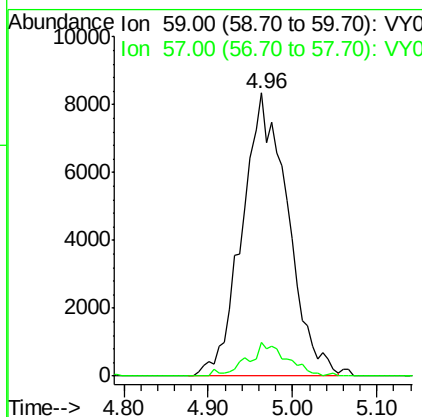
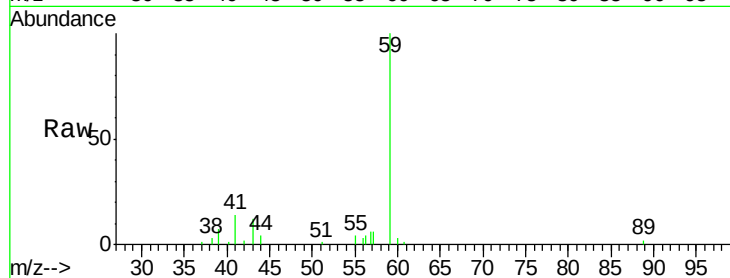
#11
Tert butyl alcohol
Concen: 95.108 ug/l
RT: 4.96 min Scan# 529
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

Tot Ion	59	Resp	30805
Ion Ratio	100	Lower	Upper
57	9.8	7.8	11.6

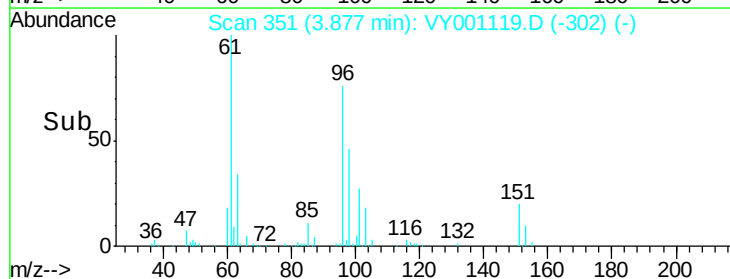
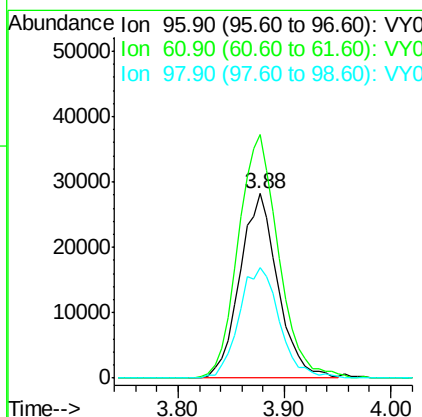
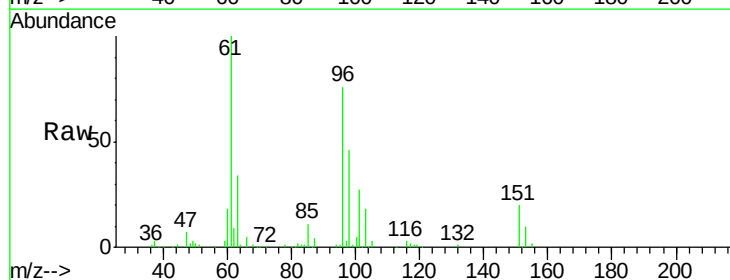
Manual Integrations
APPROVED

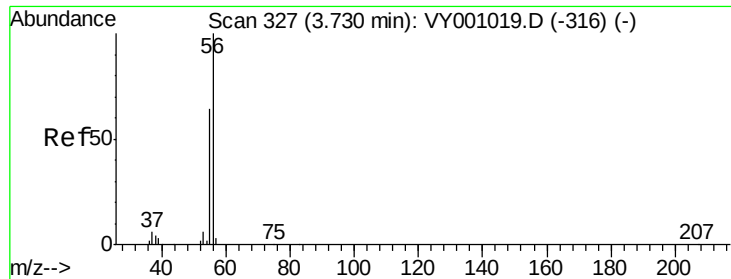
apatel
12/31/2019 11:47:46 AM



#12
1,1-Dichloroethene
Concen: 21.112 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Tgt Ion	96	Resp	70837
Ion Ratio	100	Lower	Upper
61	131.9	113.0	169.4
98	60.0	49.8	74.8





#13

Acrolein

Concen: 90.415 ug/l

RT: 3.73 min Scan# 327

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY1230SBS01

Tot Ion: 56 Resp: 36285

Ion Ratio Lower Upper

56 100

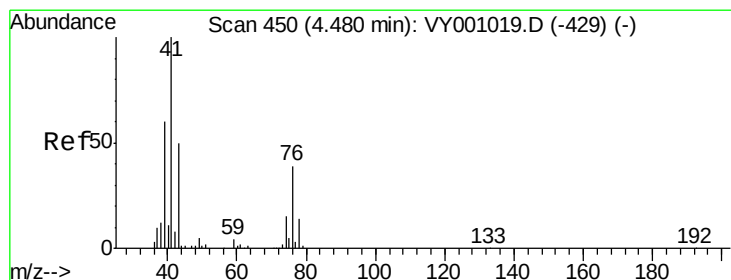
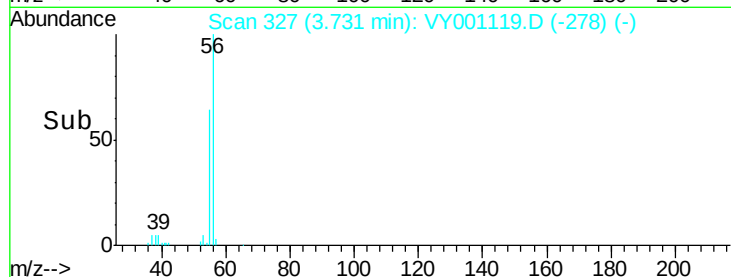
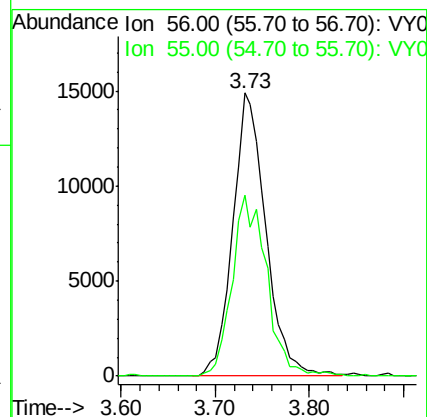
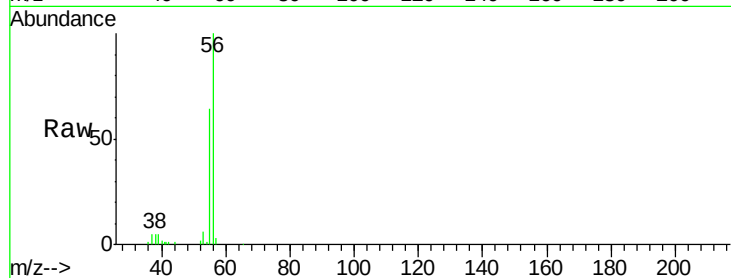
55 66.2 55.6 83.4

Manual Integrations

APPROVED

apatel

12/31/2019 11:47:46 AM



#14

Allyl chloride

Concen: 18.166 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

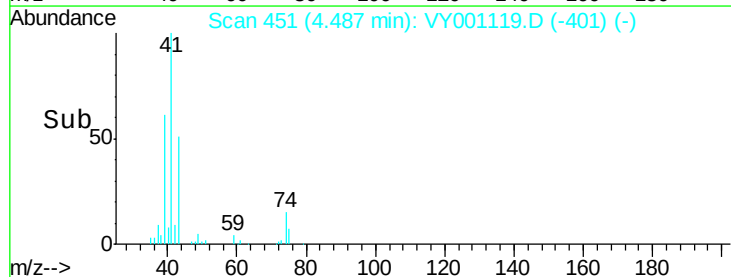
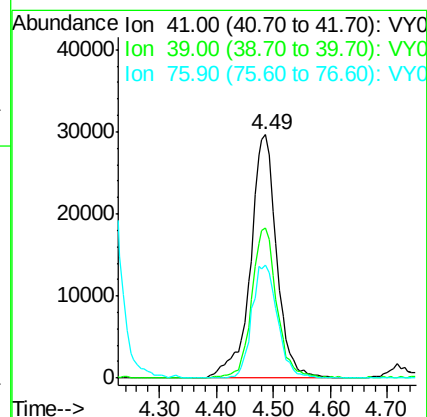
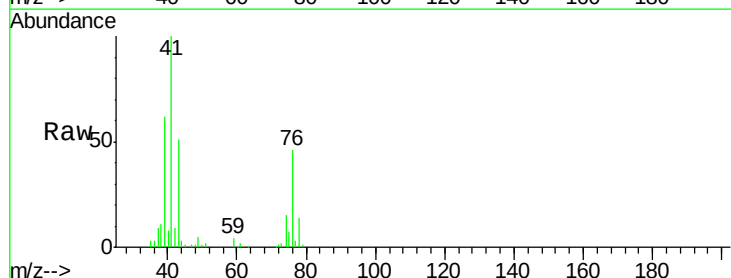
Tgt Ion: 41 Resp: 94693

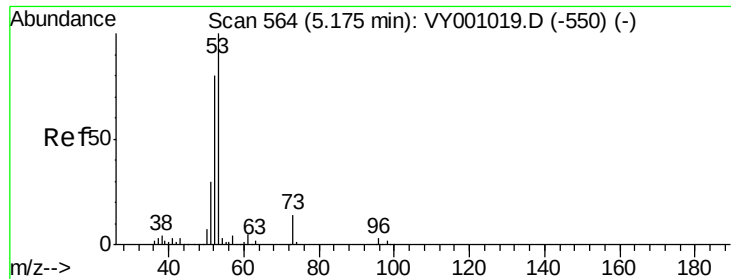
Ion Ratio Lower Upper

41 100

39 59.0 46.0 69.0

76 45.4 32.6 48.8





#15

Acrylonitrile

Concen: 98.352 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

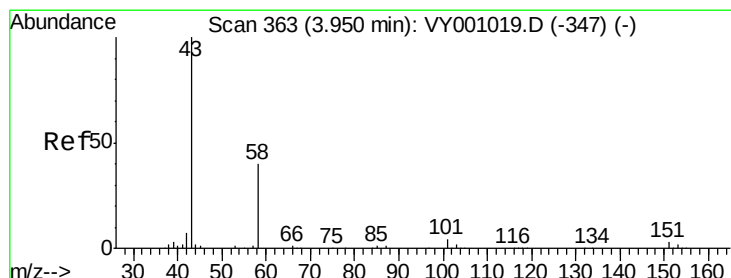
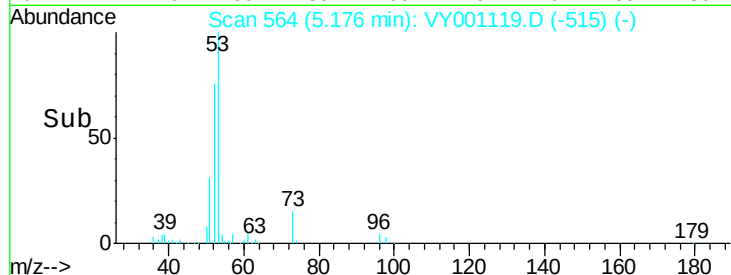
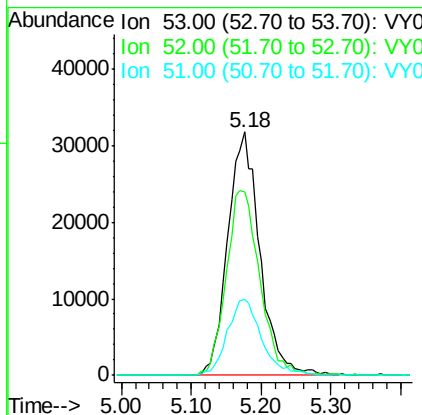
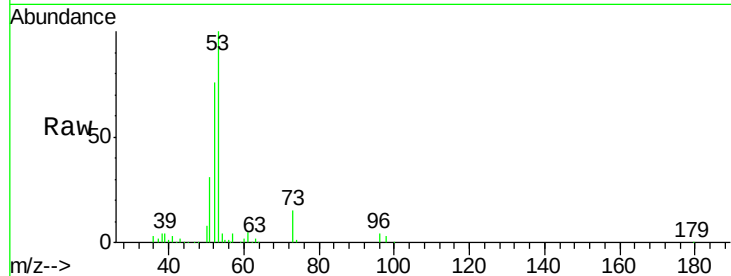
ClientSampleId :

VY1230SBS01

Tot Ion	53	Resp	101234
Ion	Ratio	Lower	Upper
53	100		
52	79.4	63.6	95.4
51	33.2	26.7	40.1

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:46 AM



#16

Acetone

Concen: 103.006 ug/l

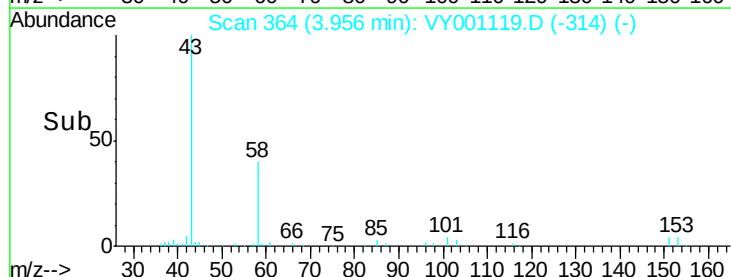
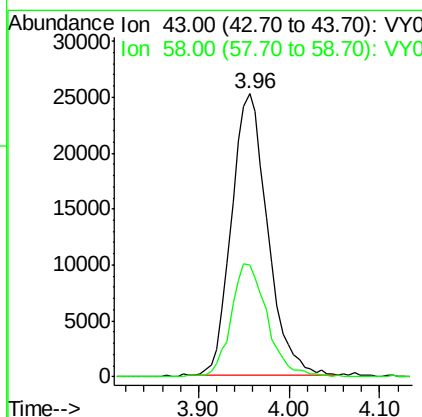
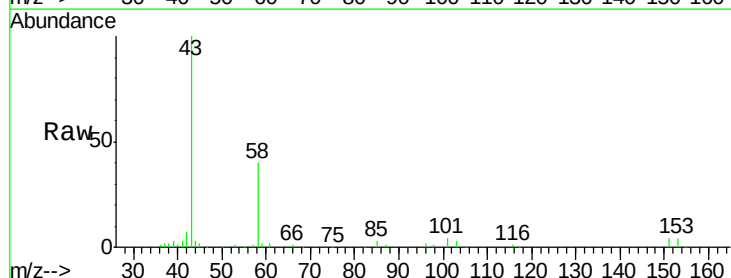
RT: 3.96 min Scan# 364

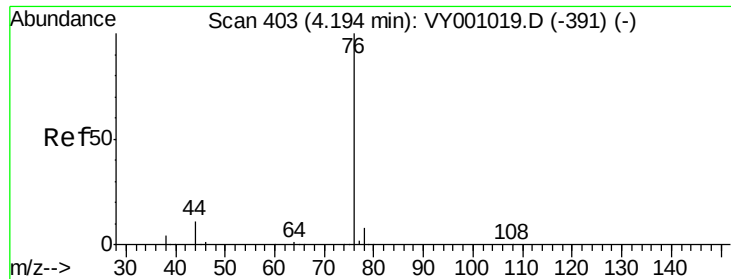
Delta R.T. 0.01 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Tgt Ion	43	Resp	69902
Ion	Ratio	Lower	Upper
43	100		
58	39.3	32.1	48.1





#17

Carbon Disulfide

Concen: 20.670 ug/l

RT: 4.19 min Scan# 403

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY1230SBS01

Tot Ion: 76 Resp: 226634

Ion Ratio Lower Upper

76 100

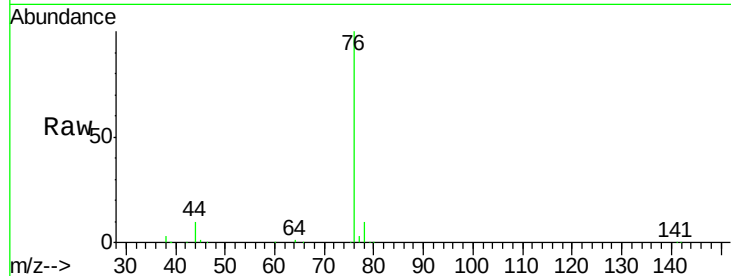
78 10.0 6.7 10.1

Manual Integrations

APPROVED

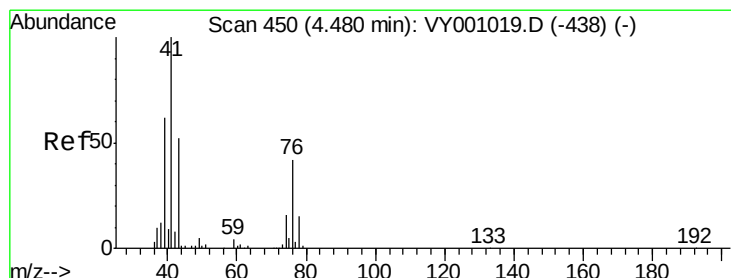
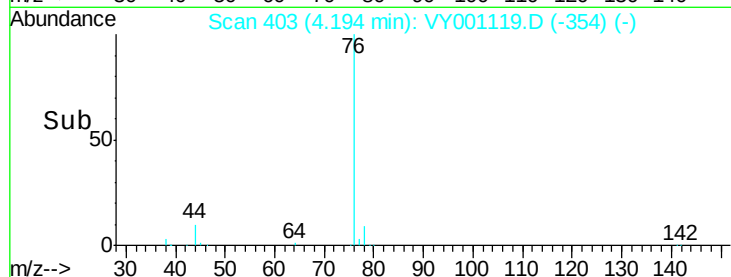
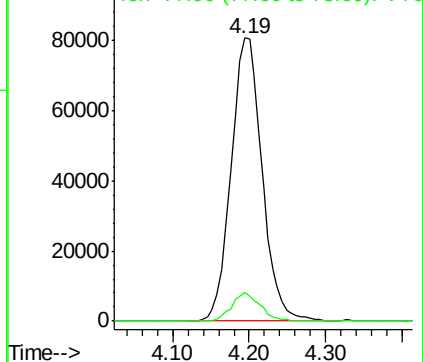
apatel

12/31/2019 11:47:46 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 17.857 ug/l

RT: 4.48 min Scan# 450

Delta R.T. 0.00 min

Lab File: VY001119.D

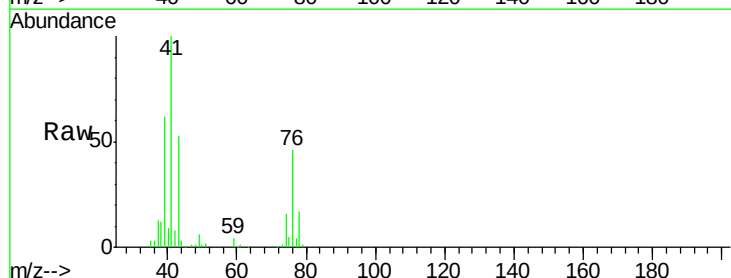
Acq: 30 Dec 2019 12:49

Tgt Ion: 43 Resp: 46493

Ion Ratio Lower Upper

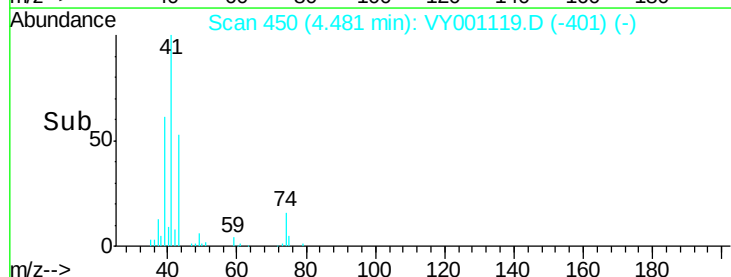
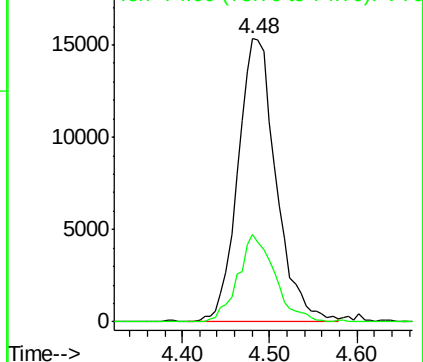
43 100

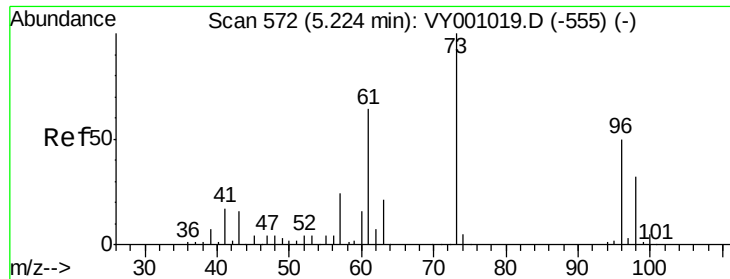
74 29.7 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





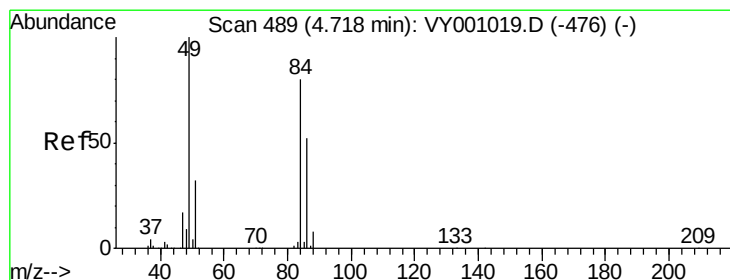
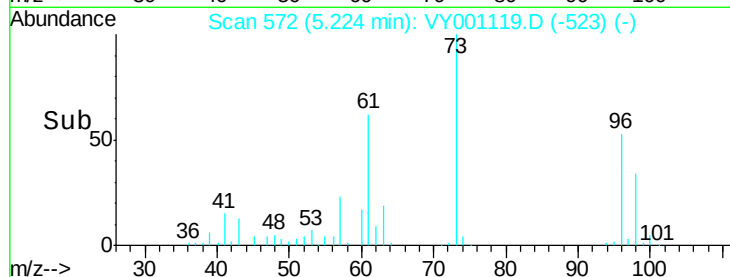
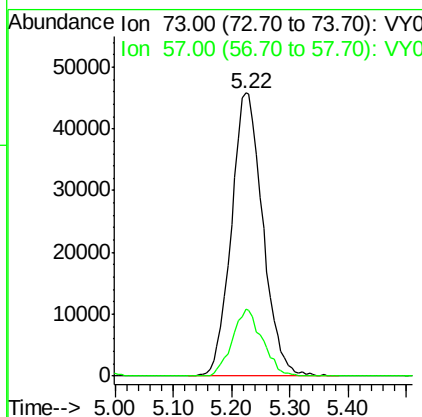
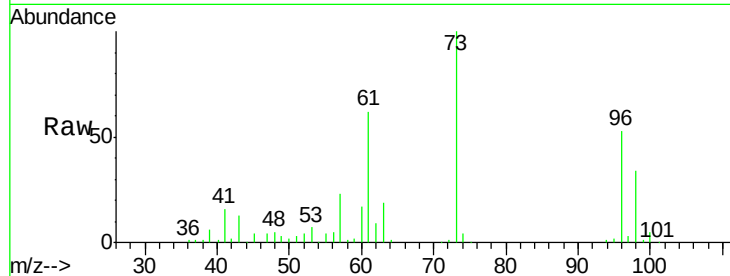
#19
Methyl tert-butyl Ether
Concen: 19.797 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.0	28.6

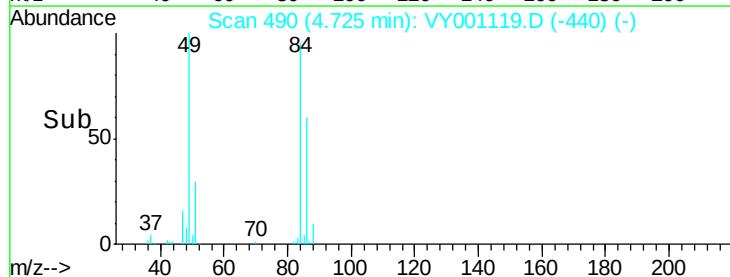
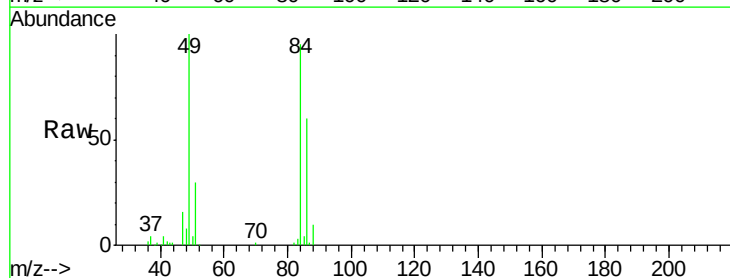
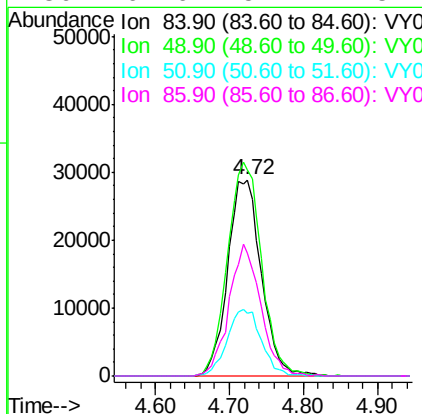
Manual Integrations
APPROVED

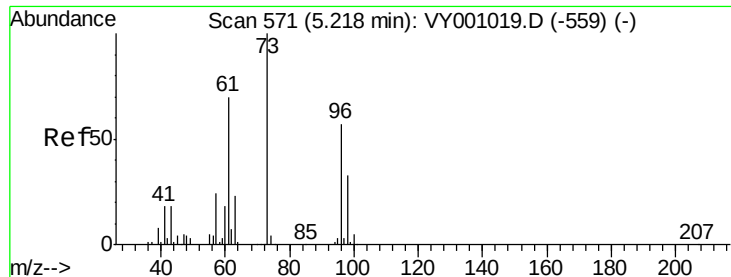
apatel
12/31/2019 11:47:46 AM



#20
Methylene Chloride
Concen: 22.814 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	105.0	99.8	149.6
51	31.9	31.4	47.2
86	62.6	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 21.595 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

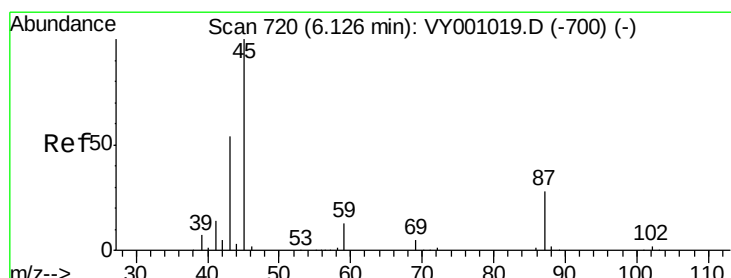
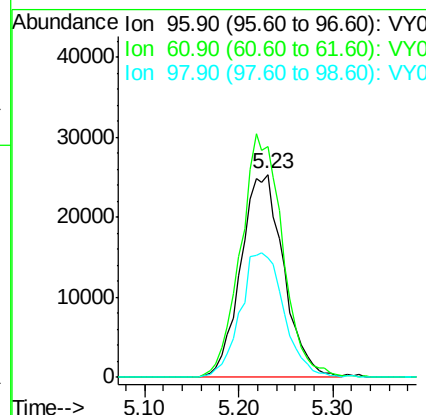
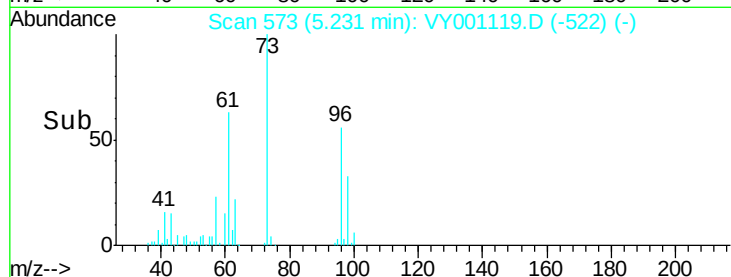
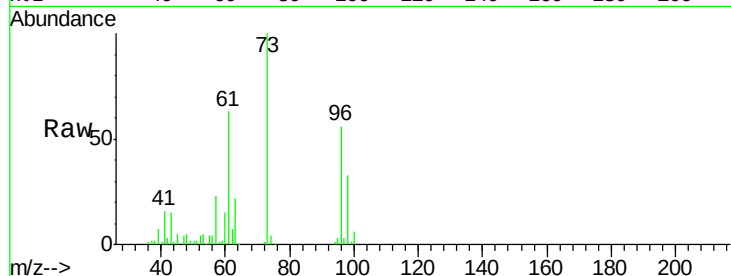
ClientSampleId :

VY1230SBS01

Tot Ion:	96	Resp:	80304
Ion	Ratio	Lower	Upper
96	100		
61	113.5	98.1	147.1
98	58.6	47.2	70.8

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:46 AM



#22

Diisopropyl ether

Concen: 18.888 ug/l

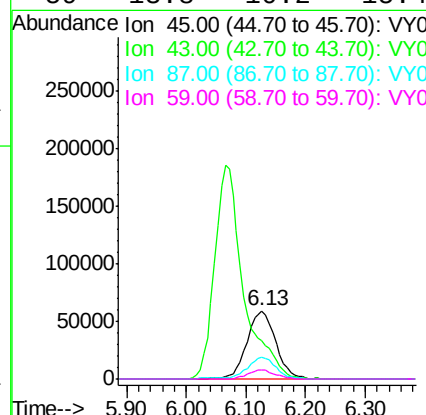
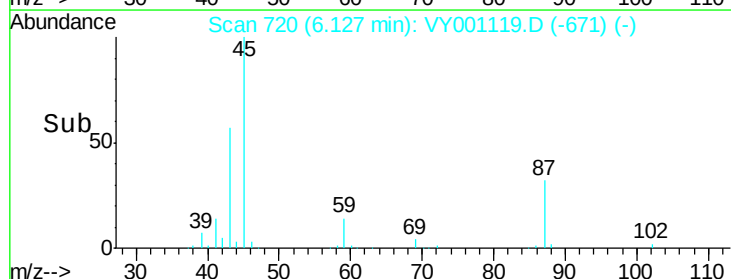
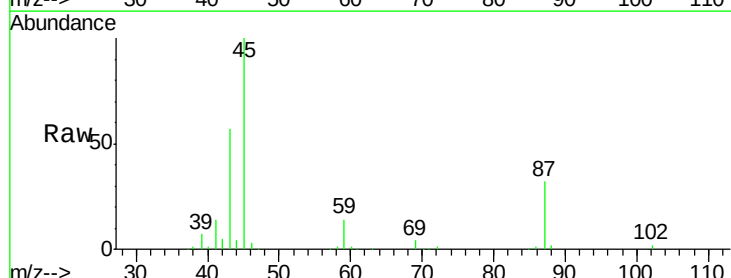
RT: 6.13 min Scan# 720

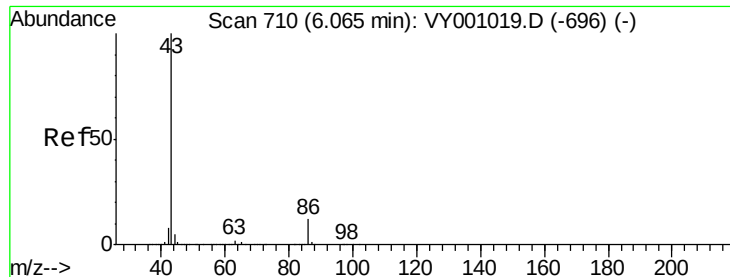
Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Tgt Ion:	45	Resp:	199004
Ion	Ratio	Lower	Upper
45	100		
43	56.4	43.6	65.4
87	32.1	23.1	34.7
59	13.8	10.2	15.4





#23

Vinyl Acetate

Concen: 93.303 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY1230SBS01

Tot Ion: 43 Resp: 620829

Ion Ratio Lower Upper

43 100

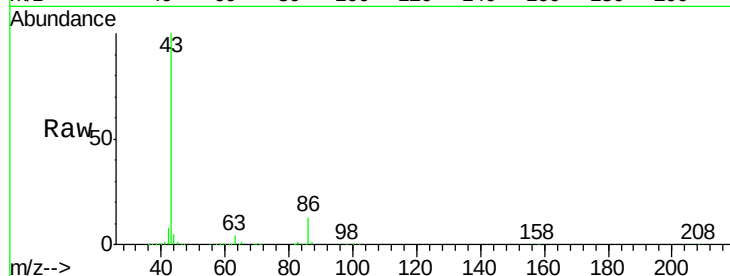
86 13.0 9.5 14.3

Manual Integrations

APPROVED

apatel

12/31/2019 11:47:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

200000

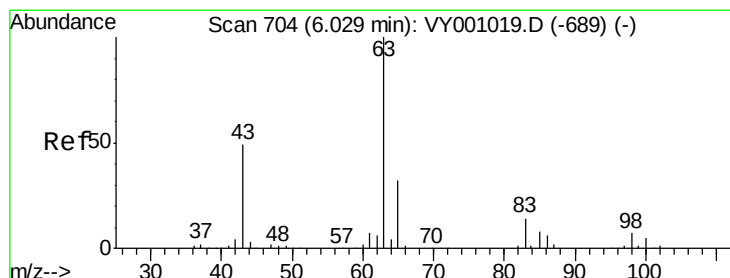
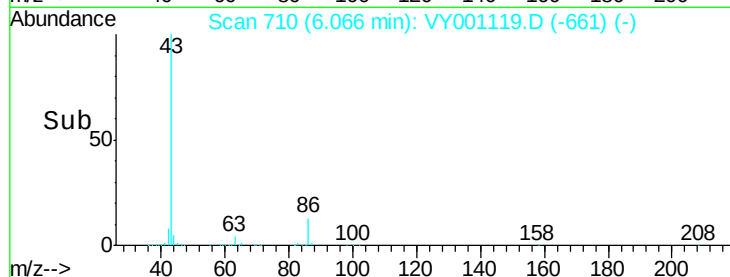
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.702 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

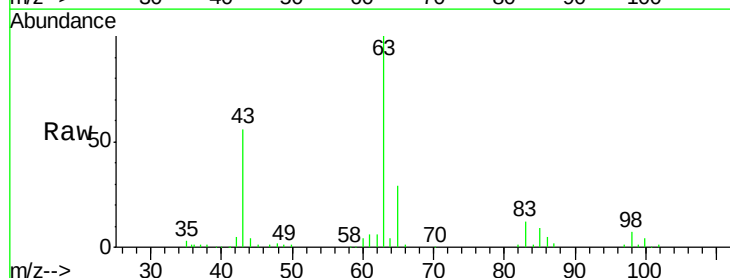
Tgt Ion: 63 Resp: 122671

Ion Ratio Lower Upper

63 100

98 6.8 3.8 11.2

100 3.9 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

50000

40000

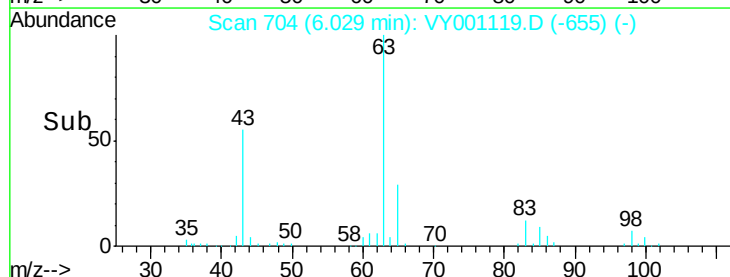
30000

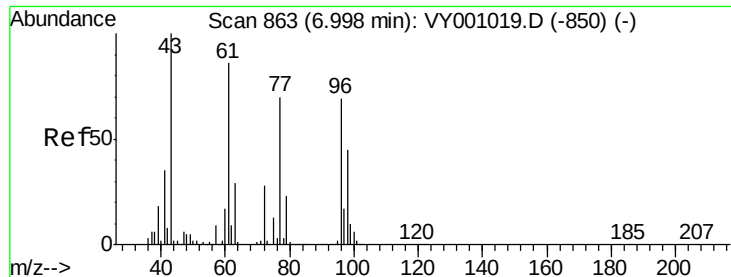
20000

10000

0

Time-->





#25

2-Butanone

Concen: 91.749 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY1230SBS01

Tot Ion: 43 Resp: 109380

Ion Ratio Lower Upper

43 100

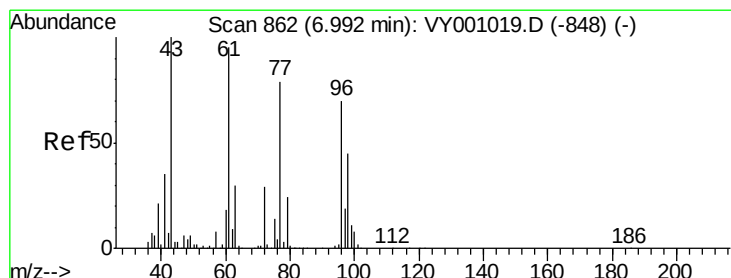
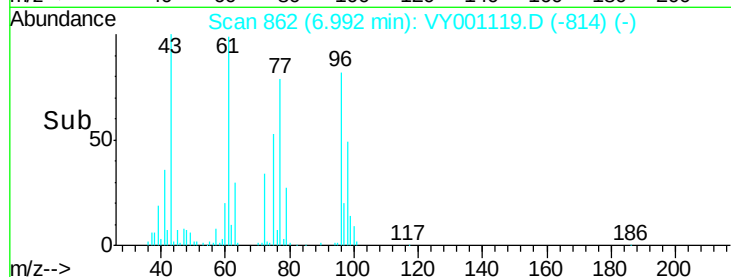
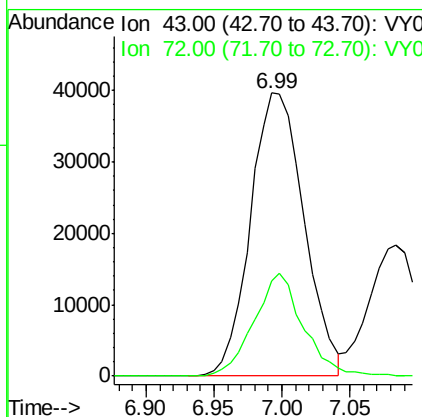
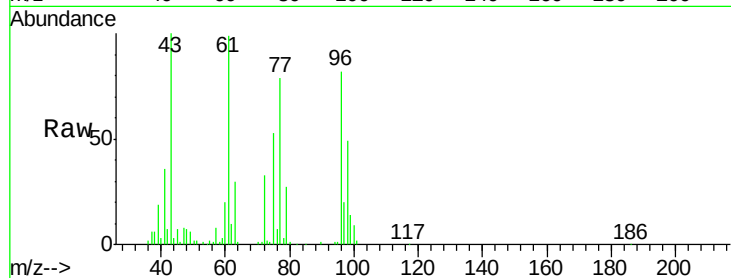
72 33.5 22.4 33.6

Manual Integrations

APPROVED

apatel

12/31/2019 11:47:46 AM



#26

2,2-Dichloropropane

Concen: 19.817 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY001119.D

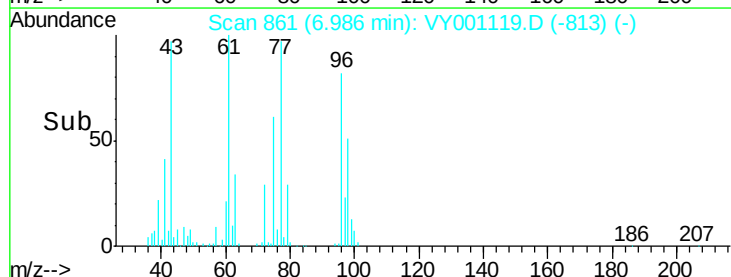
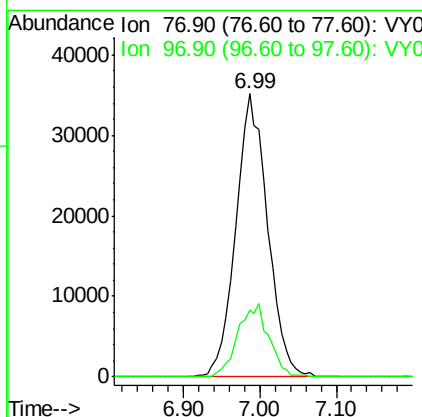
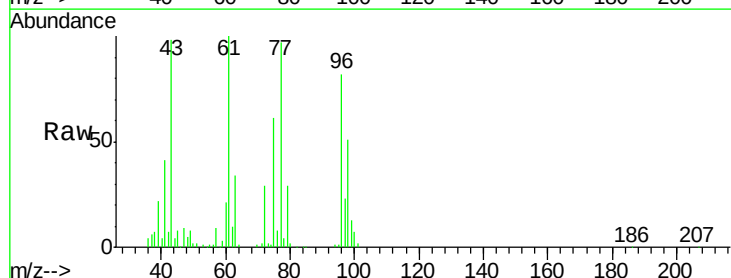
Acq: 30 Dec 2019 12:49

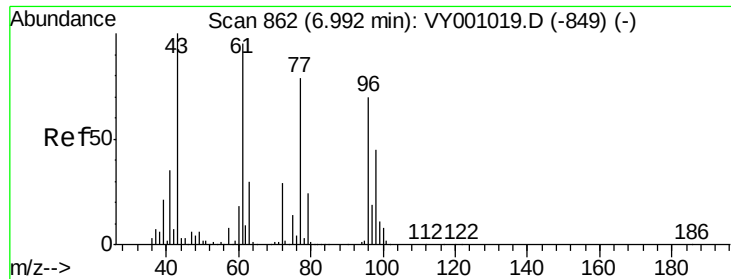
Tgt Ion: 77 Resp: 101369

Ion Ratio Lower Upper

77 100

97 25.2 12.0 36.1





#27

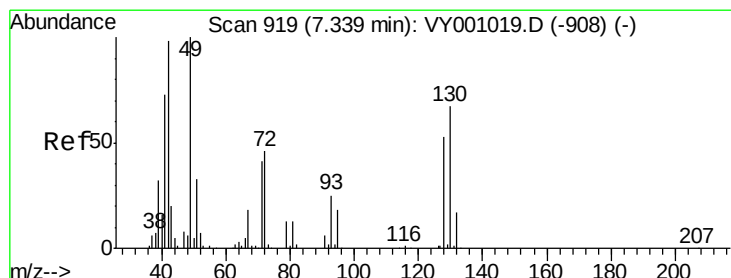
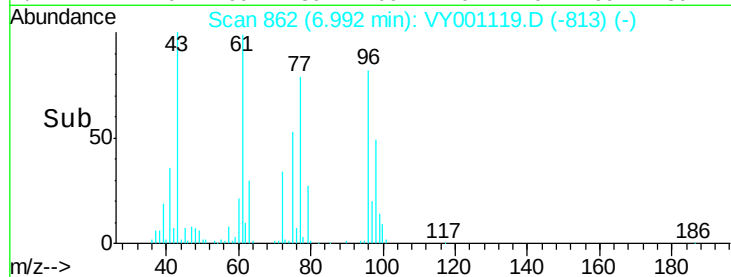
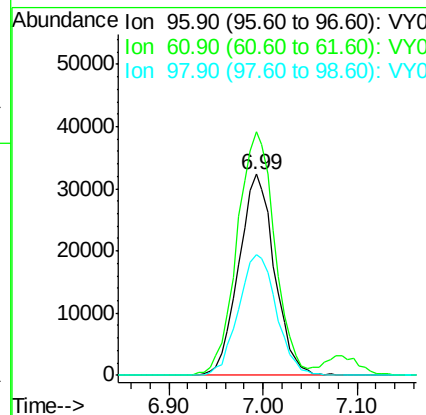
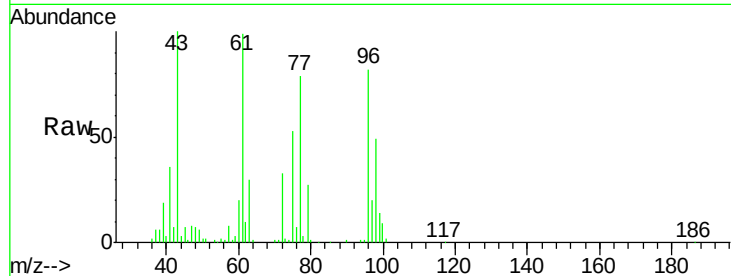
cis-1,2-Dichloroethene
Concen: 20.926 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	268.2
98	64.3	0.0	129.2

Manual Integrations
APPROVED

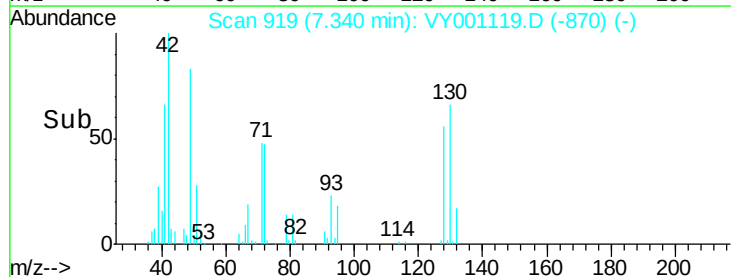
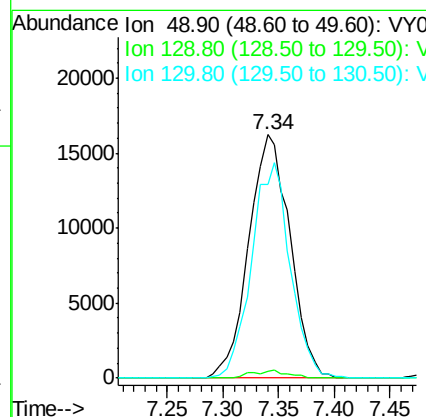
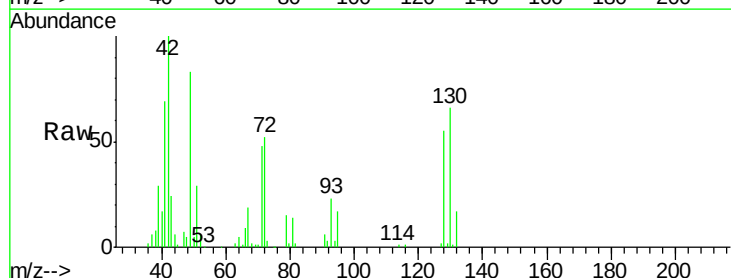
apatel
12/31/2019 11:47:46 AM

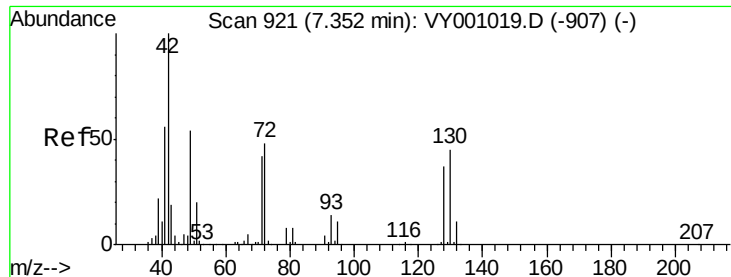


#28

Bromochloromethane
Concen: 17.178 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.8
130	83.0	60.4	90.6





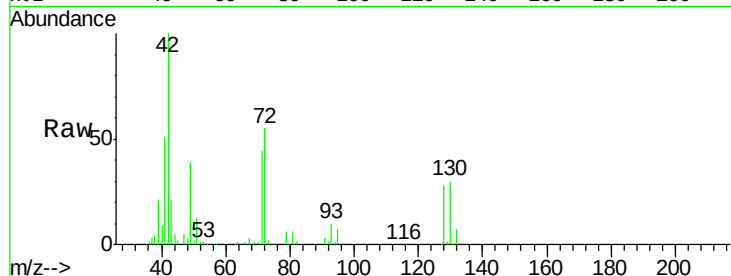
#29
Tetrahydrofuran
Concen: 88.721 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

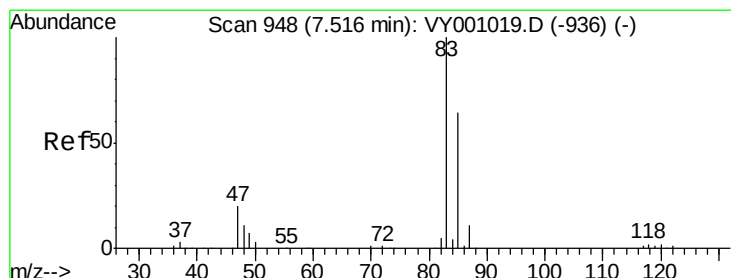
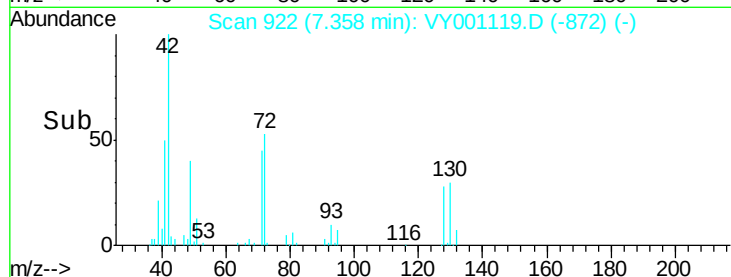
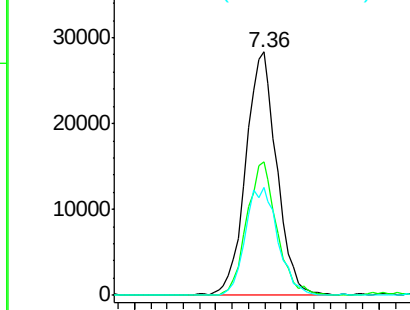
Tot Ion	Ratio	Lower	Upper
42	100		
72	53.0	37.7	56.5
71	46.2	34.6	51.8

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:46 AM

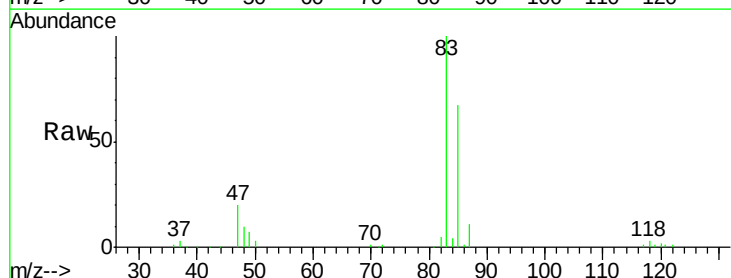


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

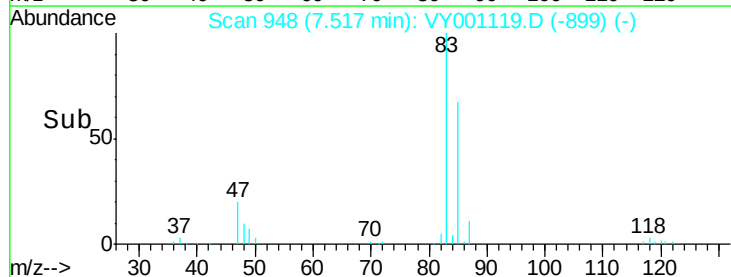
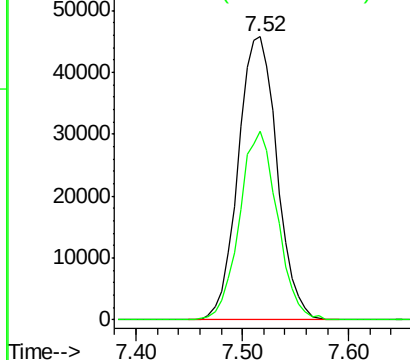


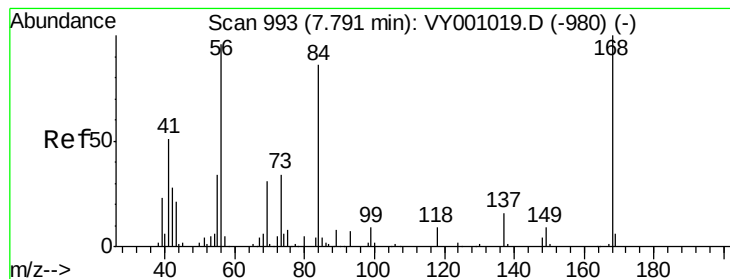
#30
Chloroform
Concen: 19.927 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.6	77.4



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 19.042 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY1230SBS01

Tot Ion: 56 Resp: 124669

Ion Ratio Lower Upper

56 100

69 37.1 26.1 39.1

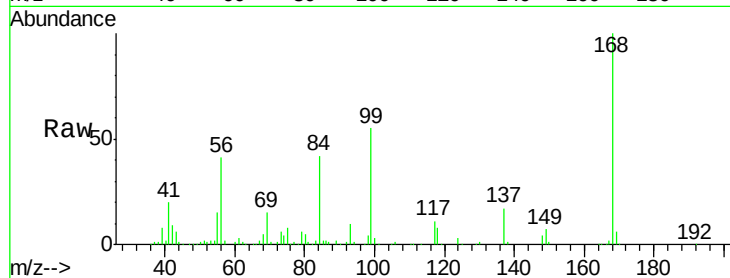
84 102.0 71.8 107.8

Manual Integrations

APPROVED

apatel

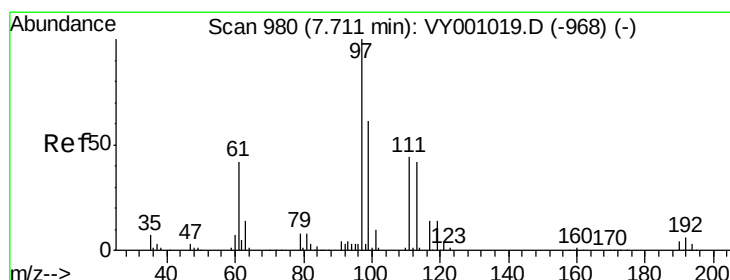
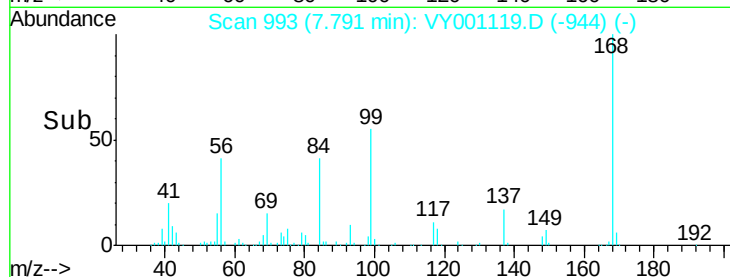
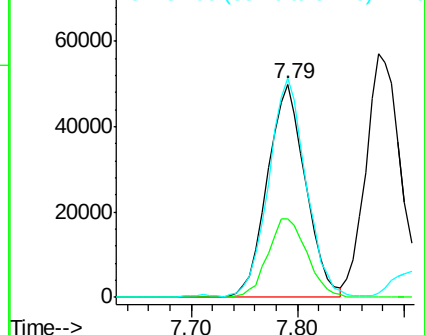
12/31/2019 11:47:46 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 20.004 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

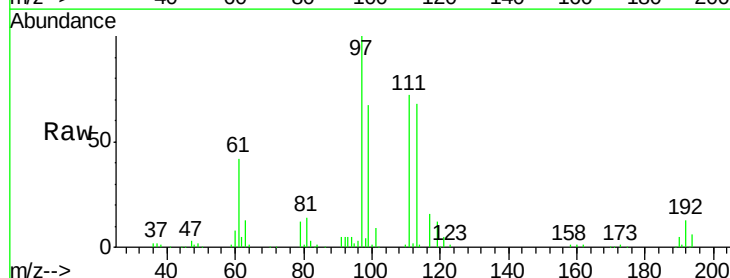
Tgt Ion: 97 Resp: 100467

Ion Ratio Lower Upper

97 100

99 65.7 50.6 76.0

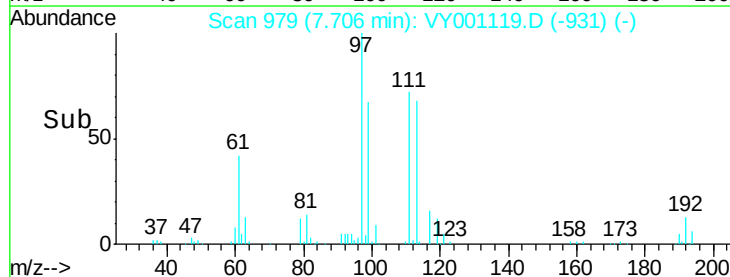
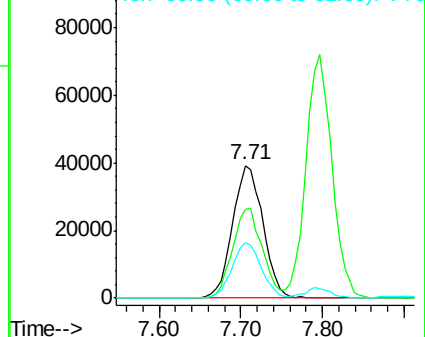
61 40.7 33.0 49.6

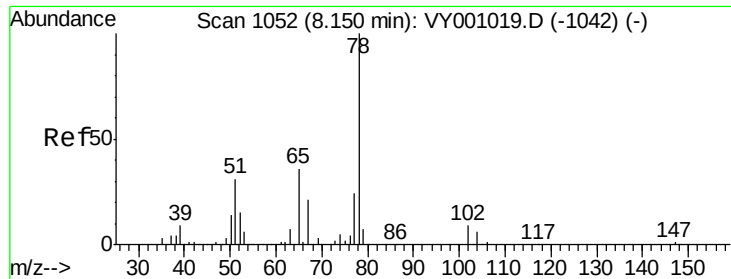


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





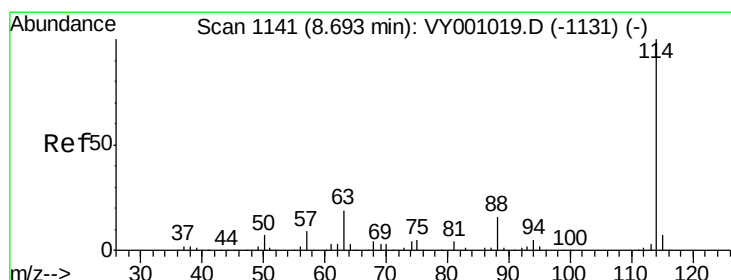
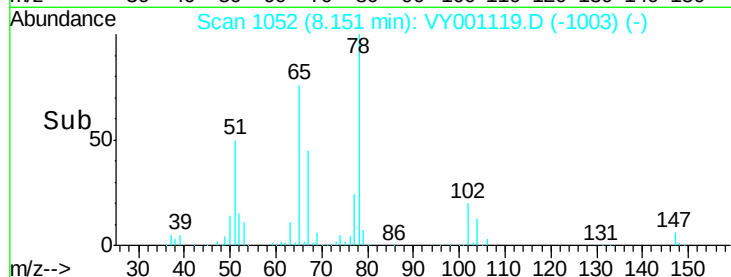
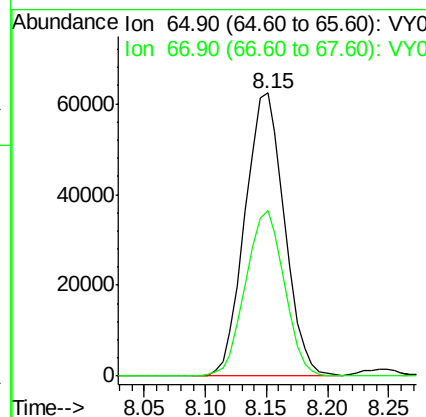
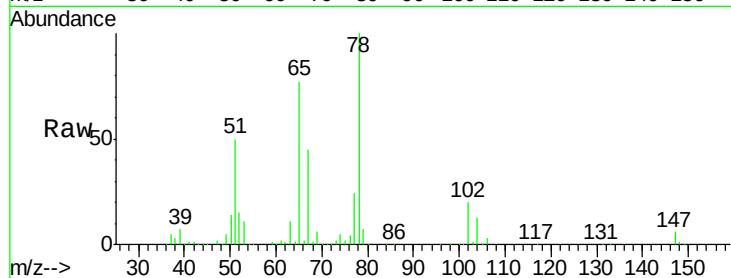
#33
 1,2-Dichloroethane-d4
 Concen: 47.516 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001119.D
 Acq: 30 Dec 2019 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	139969		
67	57.7	0.0	112.8	

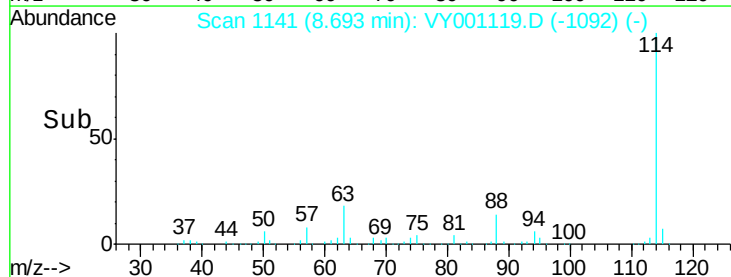
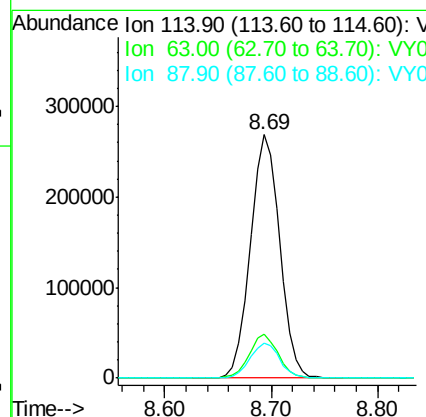
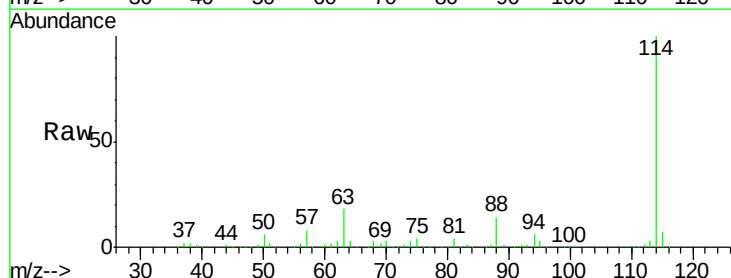
Manual Integrations
 APPROVED

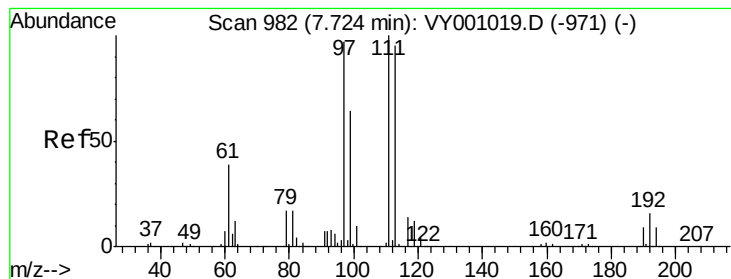
apatel
 12/31/2019 11:47:46 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001119.D
 Acq: 30 Dec 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	521287		
63	18.2	0.0	37.0	
88	14.2	0.0	32.0	





#35

Dibromofluoromethane

Concen: 48.594 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

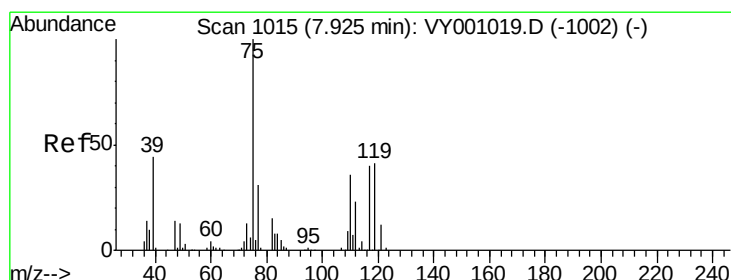
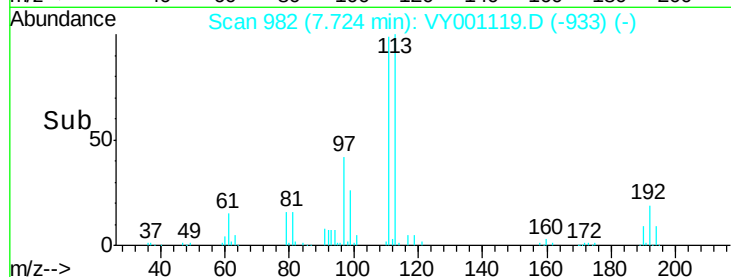
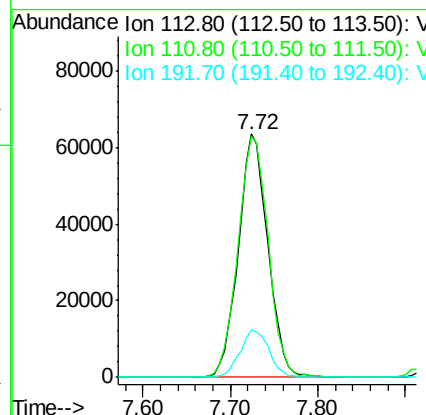
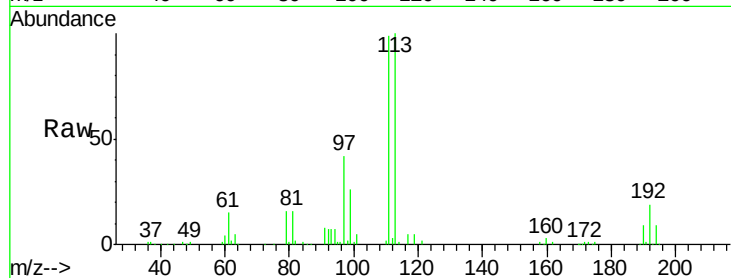
ClientSampleId :

VY1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	149166		
111	101.8	83.0	124.4	
192	19.4	14.6	21.8	

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:46 AM



#36

1,1-Dichloropropene

Concen: 20.493 ug/l

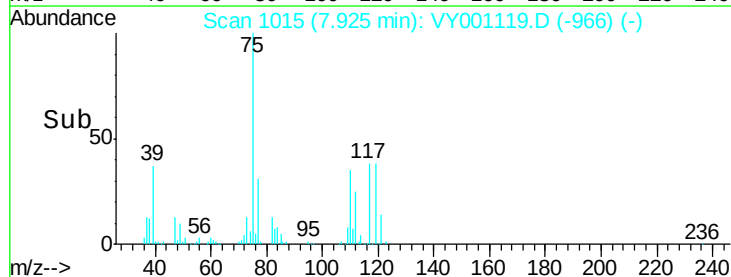
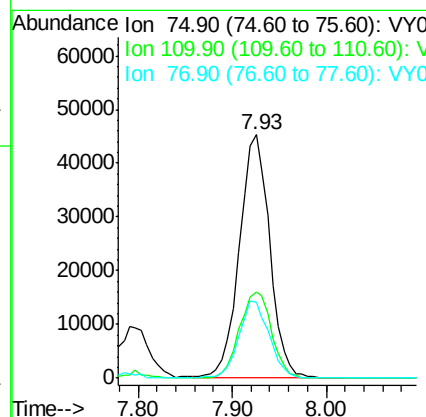
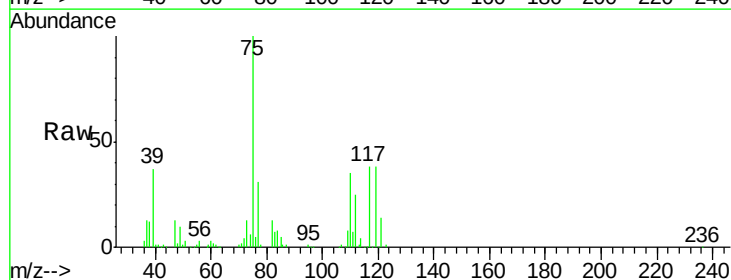
RT: 7.93 min Scan# 1015

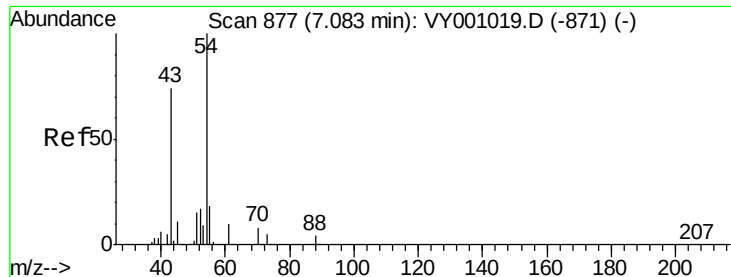
Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	101911		
110	37.3	18.1	54.4	
77	31.6	24.6	37.0	





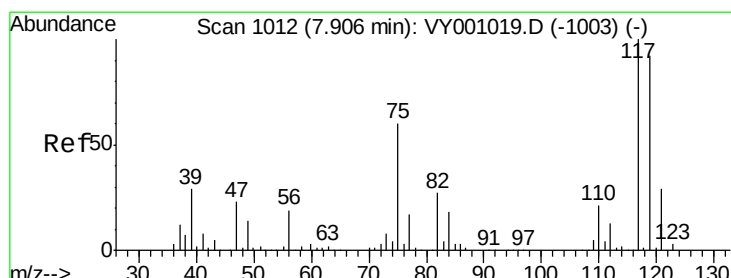
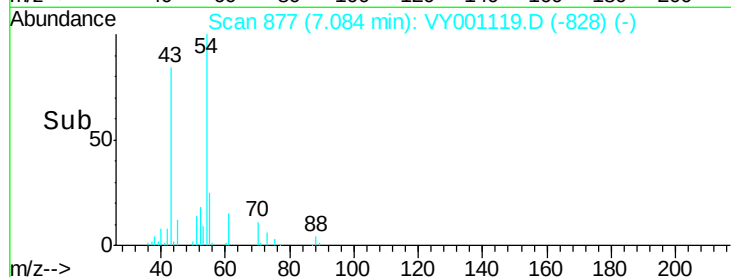
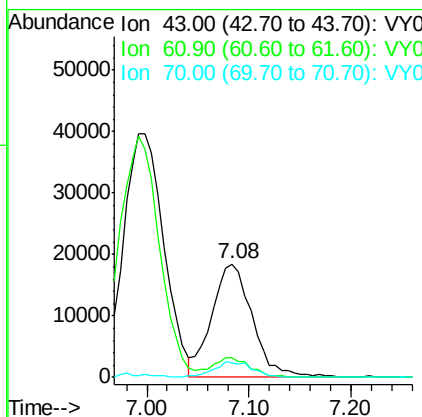
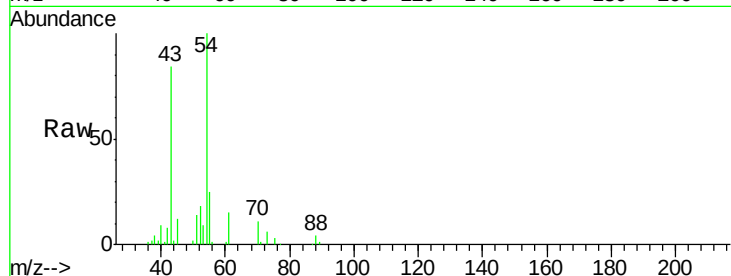
#37
Ethyl Acetate
Concen: 18.408 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	16.2	12.5	18.7	
70	13.0	9.0	13.4	

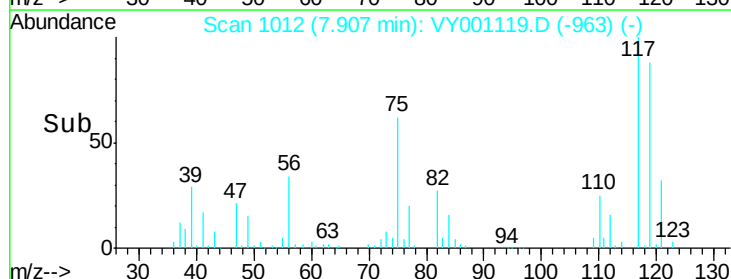
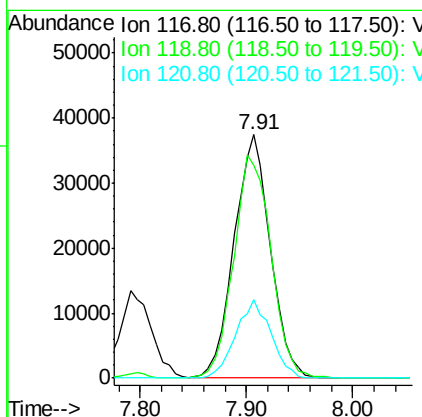
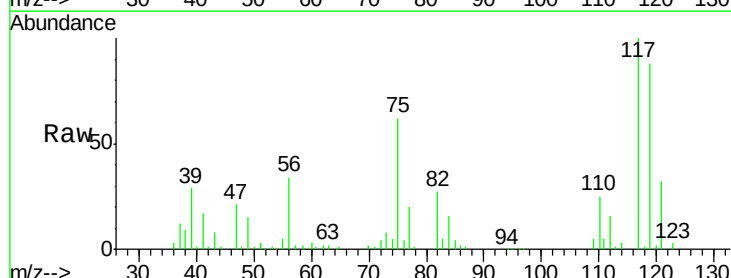
Manual Integrations
APPROVED

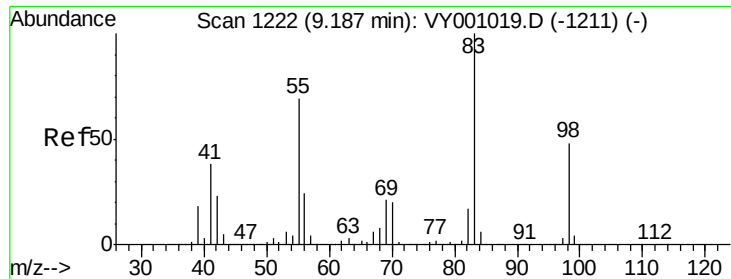
apatel
12/31/2019 11:47:46 AM



#38
Carbon Tetrachloride
Concen: 20.572 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	87.6	74.2	111.2	
121	32.2	22.9	34.3	





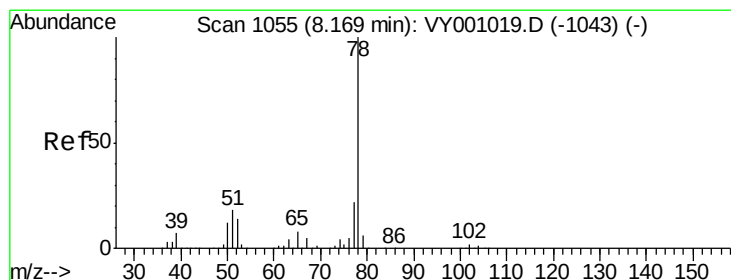
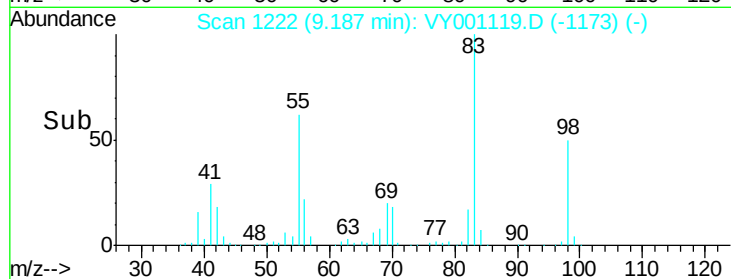
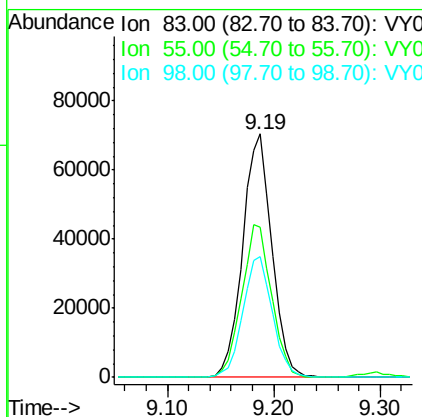
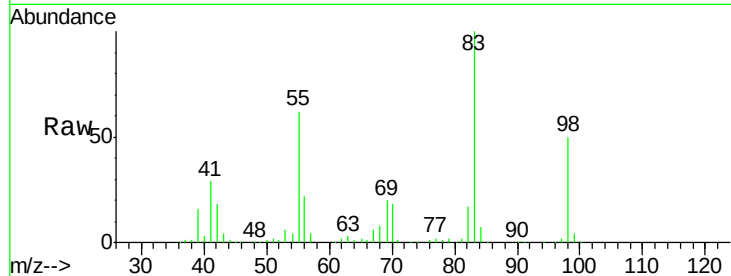
#39
Methvlcvclohexane
Concen: 20.548 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	135701		
55	61.8		55.1	82.7
98	49.7		38.3	57.5

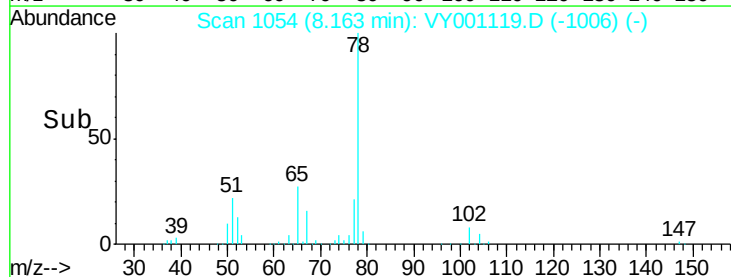
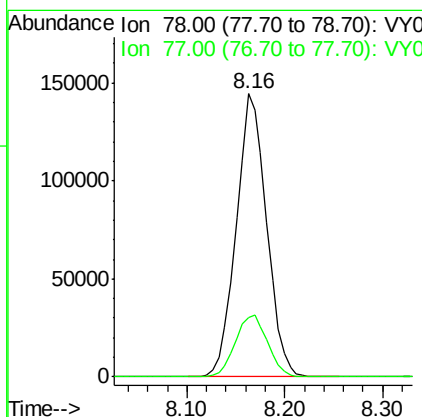
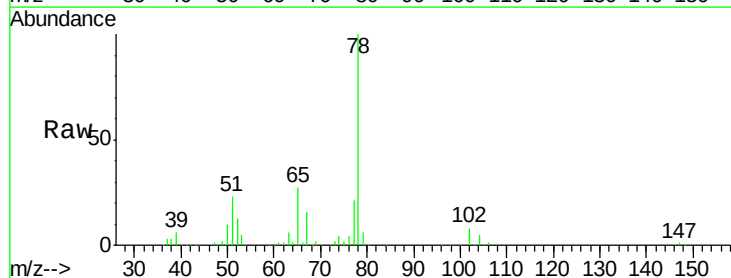
Manual Integrations
APPROVED

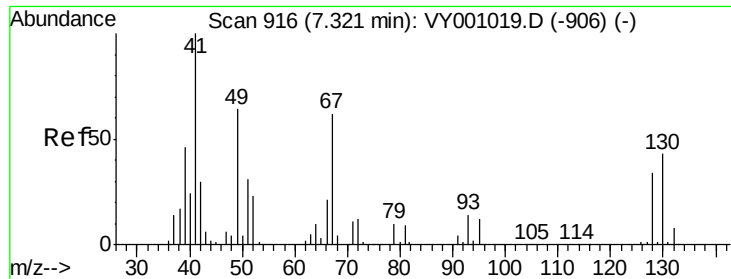
apatel
12/31/2019 11:47:46 AM



#40
Benzene
Concen: 20.656 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	309899		
77	21.0		17.7	26.5





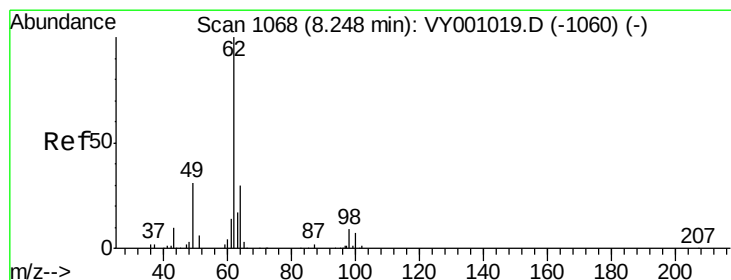
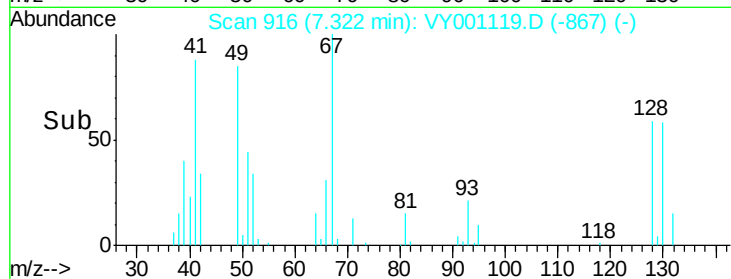
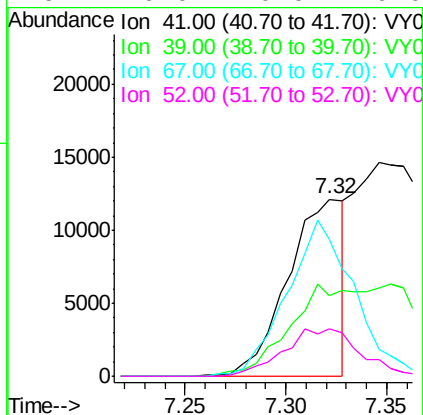
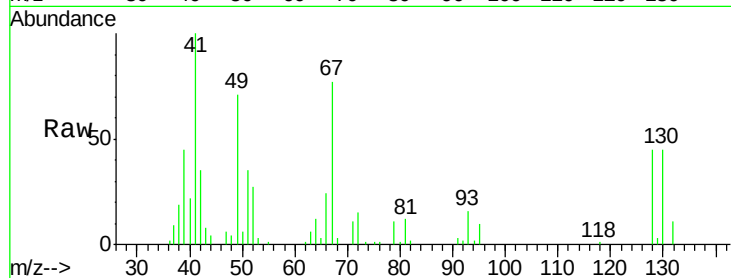
#41
Methacrylonitrile
Concen: 19.819 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

Tot Ion	41	Resp	23661
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

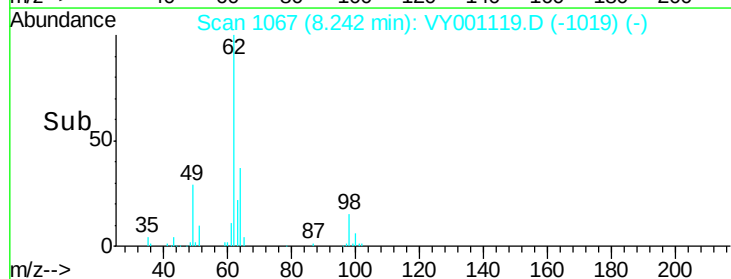
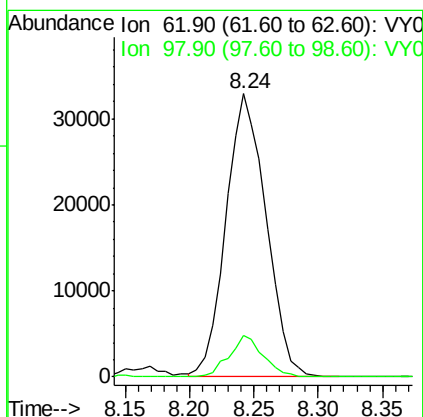
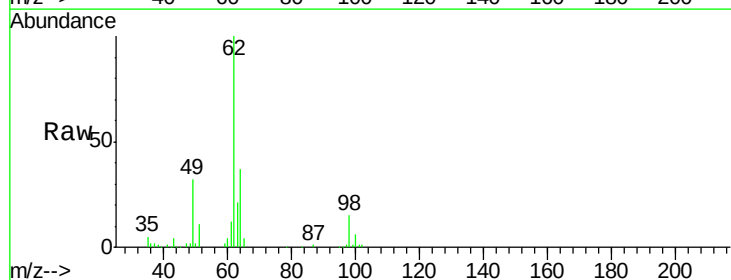
Manual Integrations
APPROVED

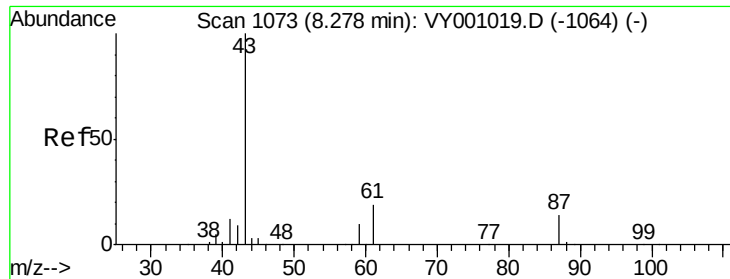
apatel
12/31/2019 11:47:46 AM



#42
1,2-Dichloroethane
Concen: 19.862 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Tgt Ion	62	Resp	71243
Ion Ratio	Lower	Upper	
62	100		
98	12.6	0.0	23.4





#43

Isopropyl Acetate

Concen: 17.850 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

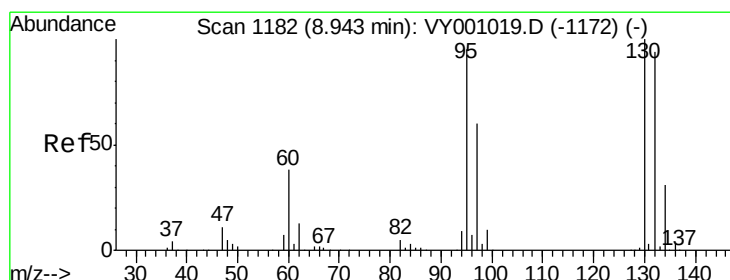
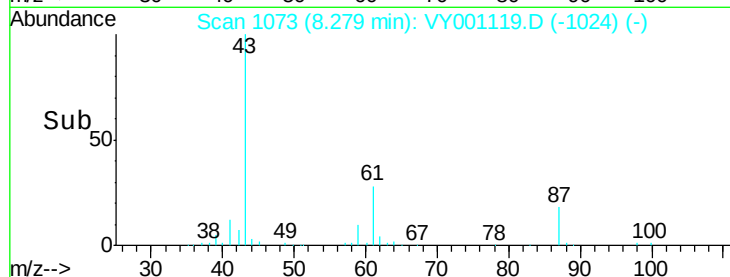
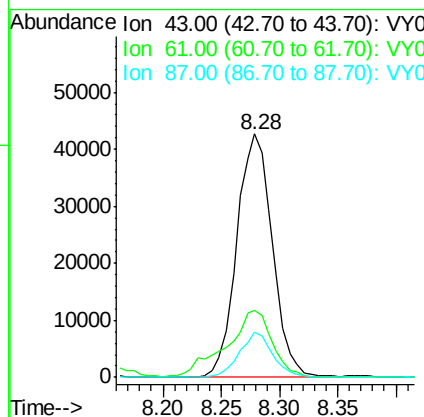
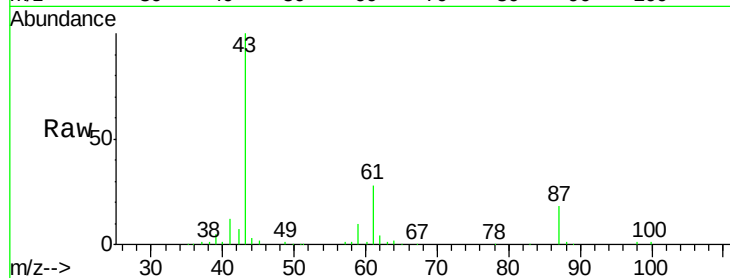
ClientSampleId :

VY1230SBS01

Tot Ion:	43	Resp:	90990
Ion	Ratio	Lower	Upper
43	100		
61	35.8	25.0	37.6
87	17.4	12.0	18.0

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:46 AM



#44

Trichloroethene

Concen: 20.663 ug/l

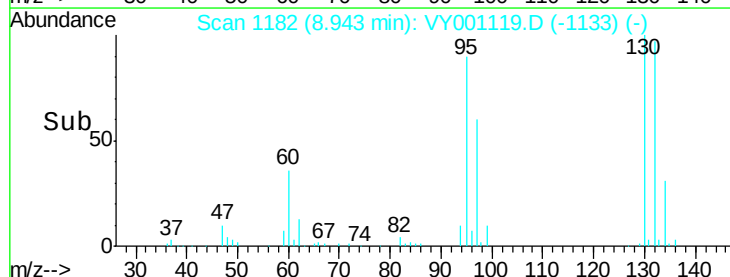
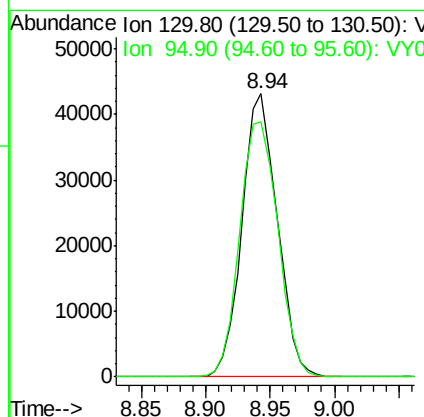
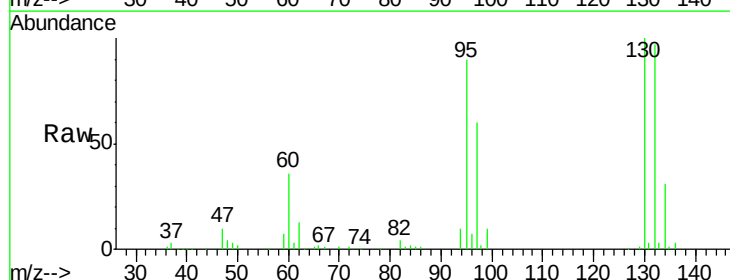
RT: 8.94 min Scan# 1182

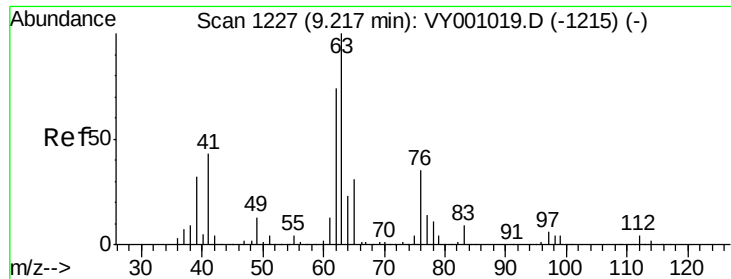
Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Tgt Ion:	130	Resp:	81682
Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	190.6





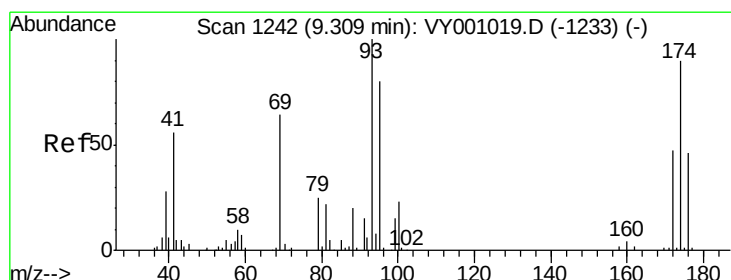
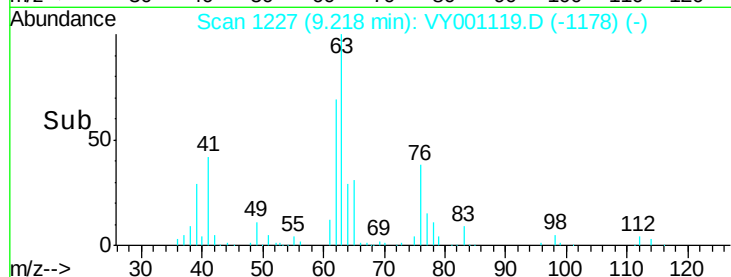
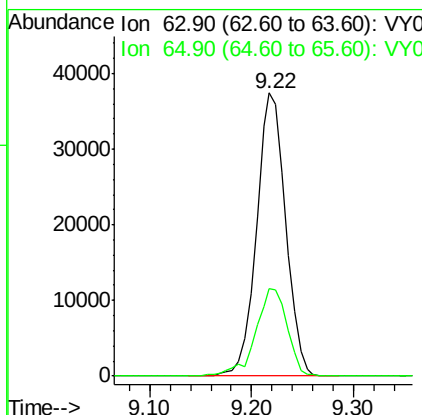
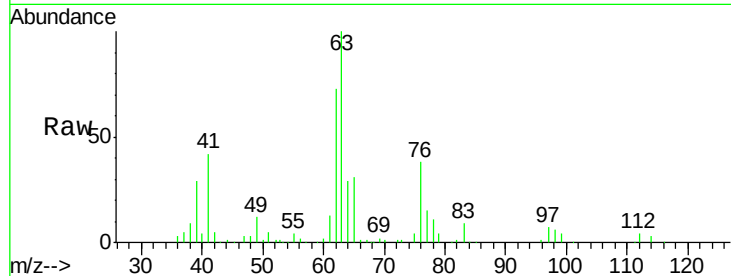
#45
 1,2-Dichloropropane
 Concen: 19.765 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY001119.D
 Acq: 30 Dec 2019 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1230SBS01

Tot Ion: 63 Resp: 74390
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.1 37.7

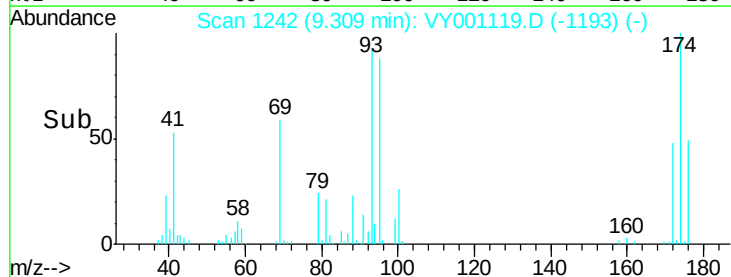
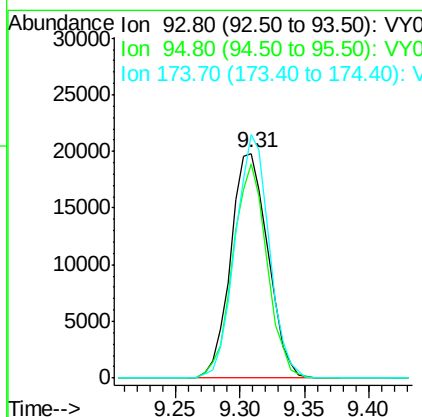
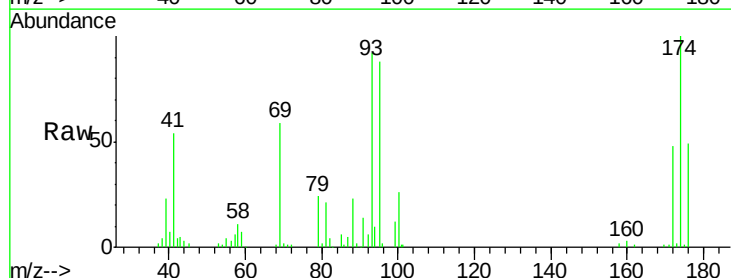
Manual Integrations
 APPROVED

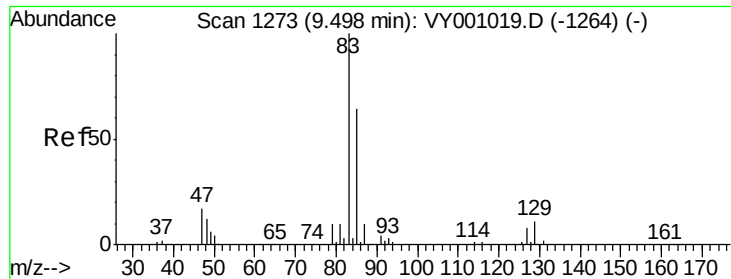
apatel
 12/31/2019 11:47:46 AM



#46
 Dibromomethane
 Concen: 20.573 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001119.D
 Acq: 30 Dec 2019 12:49

Tgt Ion: 93 Resp: 39915
 Ion Ratio Lower Upper
 93 100
 95 87.2 66.7 100.1
 174 98.4 73.6 110.4





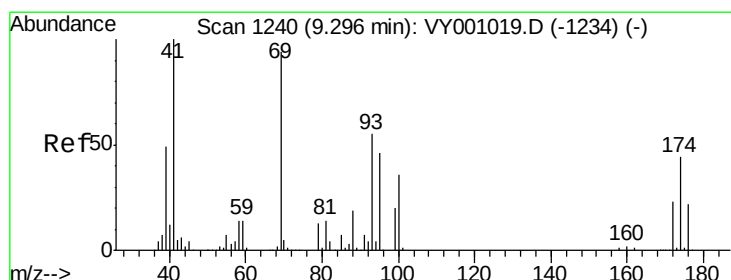
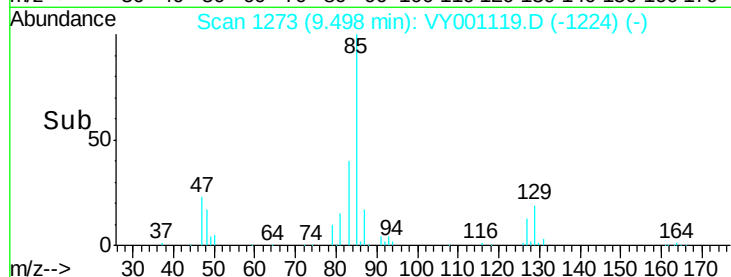
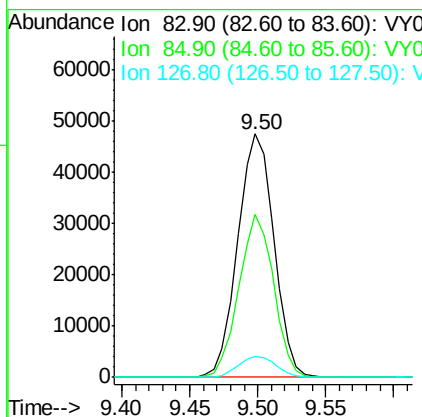
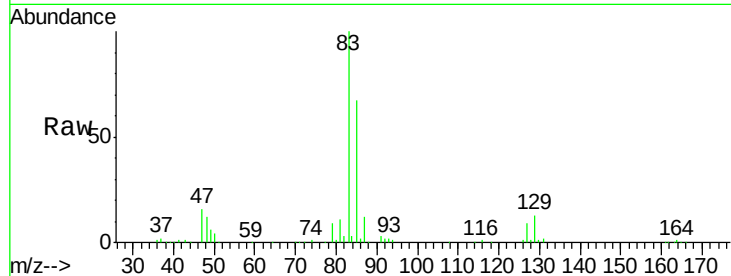
#47
Bromodichloromethane
Concen: 19.626 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

Tot Ion	83	Resp	88203
Ion Ratio	100	Lower	Upper
83	100		
85	66.7	50.9	76.3
127	8.8	6.4	9.6

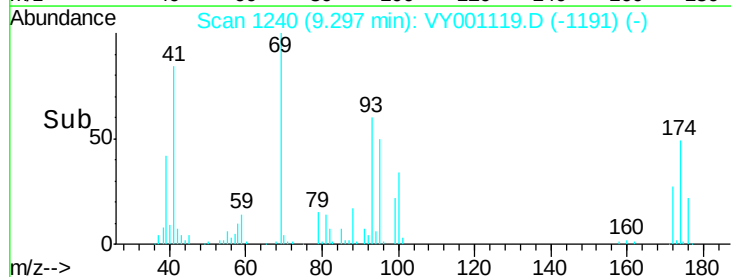
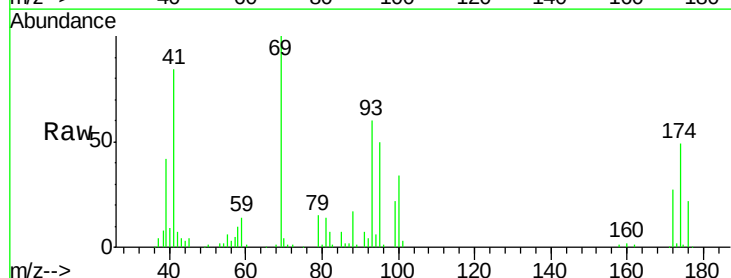
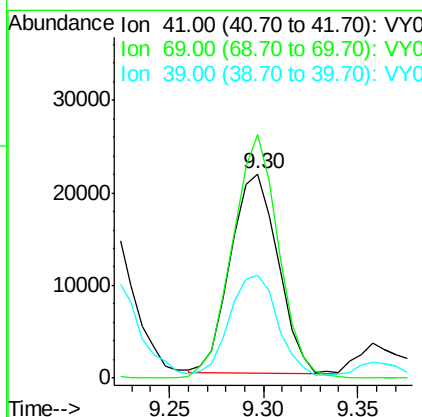
Manual Integrations
APPROVED

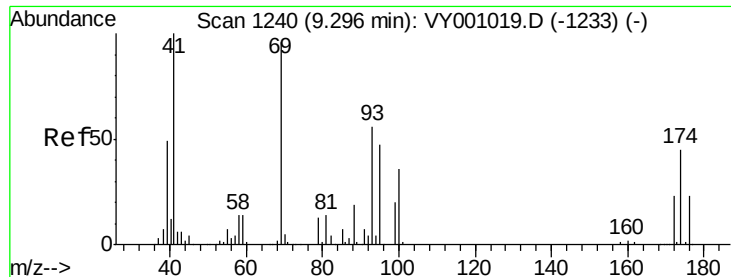
apatel
12/31/2019 11:47:46 AM



#48
Methyl methacrylate
Concen: 17.410 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Tgt Ion	41	Resp	37872
Ion Ratio	100	Lower	Upper
41	100		
69	117.8	79.8	119.6
39	53.7	41.7	62.5





#49

1,4-Dioxane

Concen: 396.844 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

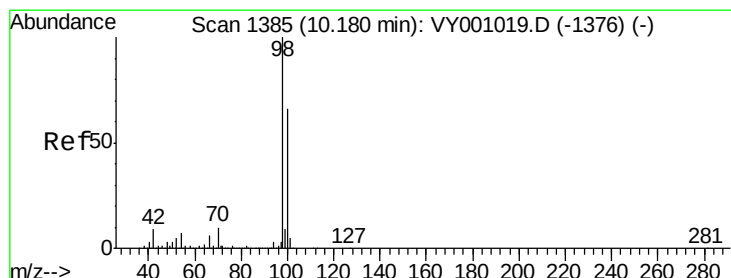
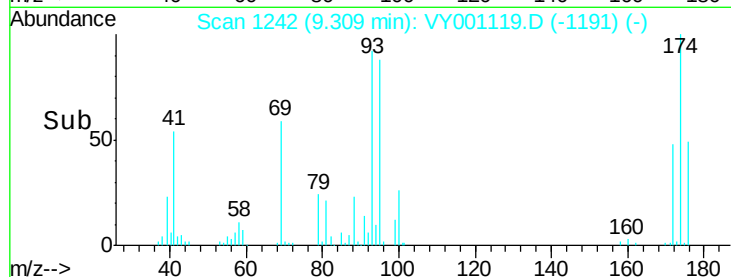
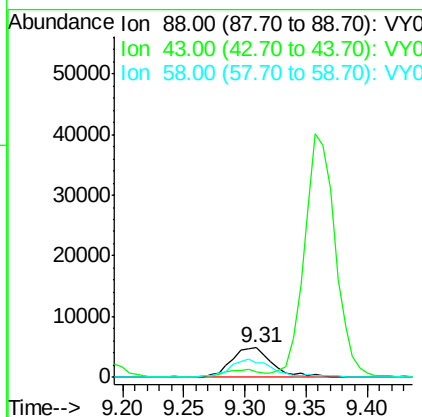
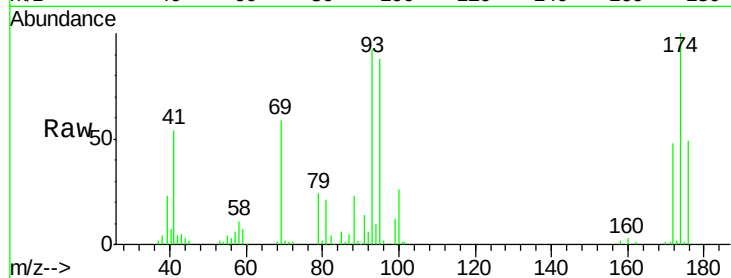
ClientSampleId :

VY1230SBS01

Tot Ion:	88	Resp:	11263
Ion Ratio	Lower	Upper	
88	100		
43	22.5	23.0	34.4#
58	66.4	54.9	82.3

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:46 AM



#50

Toluene-d8

Concen: 51.067 ug/l

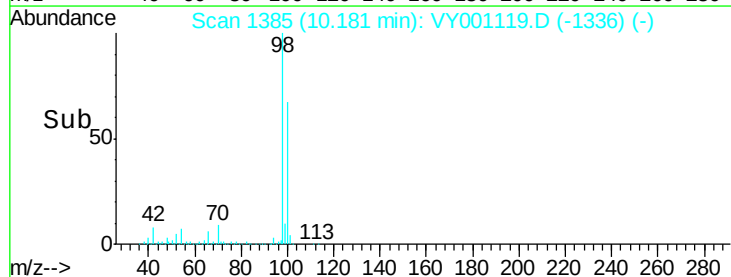
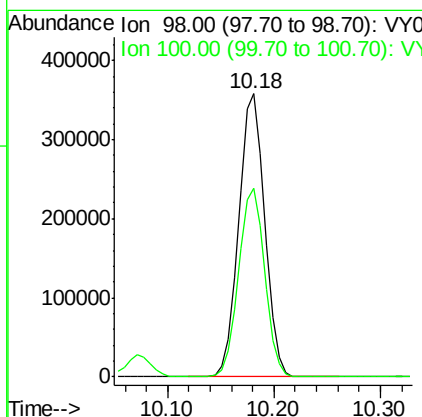
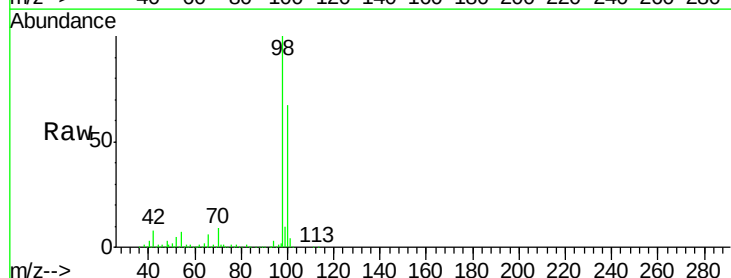
RT: 10.18 min Scan# 1385

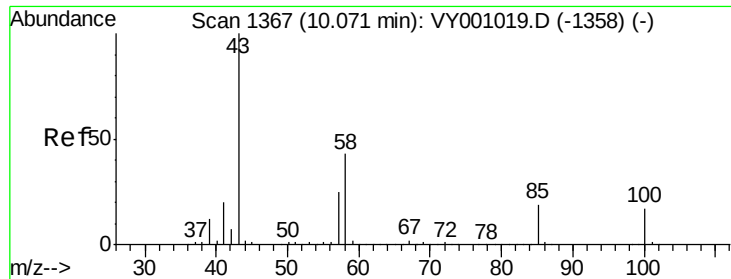
Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Tgt Ion:	98	Resp:	612599
Ion Ratio	Lower	Upper	
98	100		
100	67.1	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 90.922 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY1230SBS01

Tot Ion: 43 Resp: 241564

Ion Ratio Lower Upper

43 100

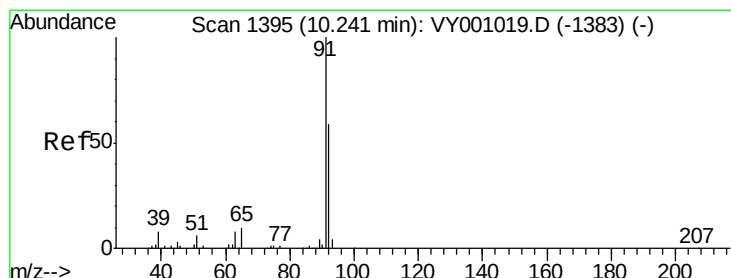
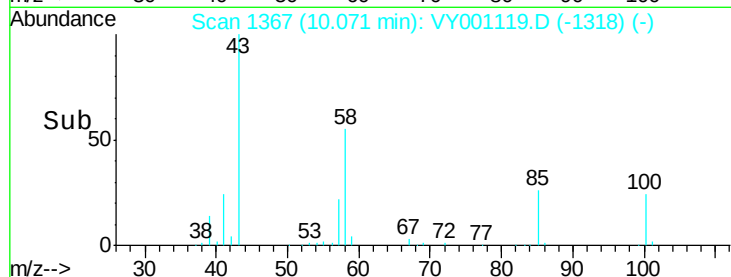
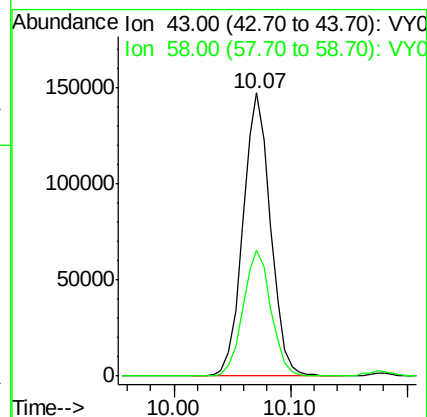
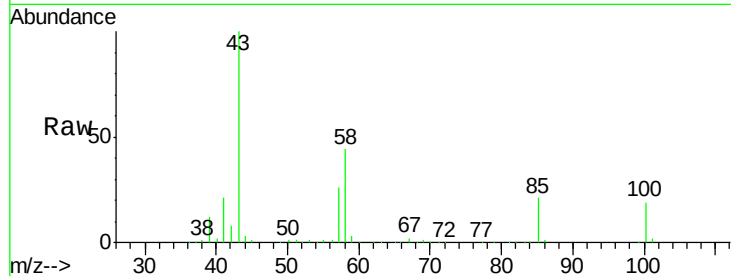
58 45.2 34.6 52.0

Manual Integrations

APPROVED

apatel

12/31/2019 11:47:46 AM



#52

Toluene

Concen: 21.149 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY001119.D

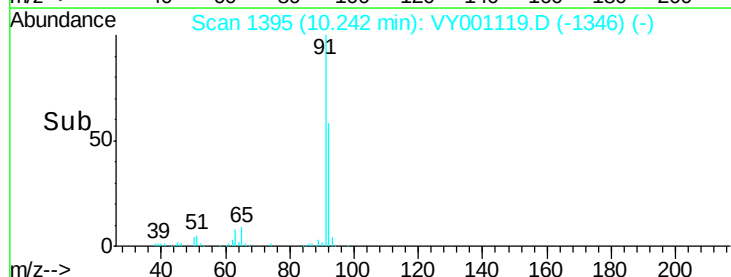
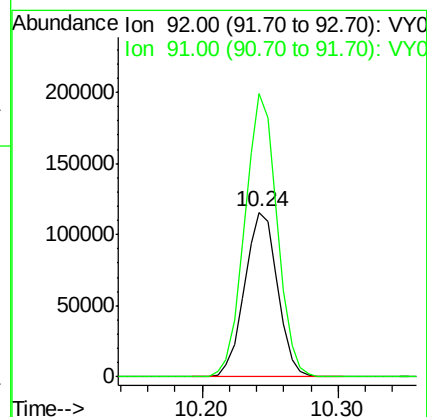
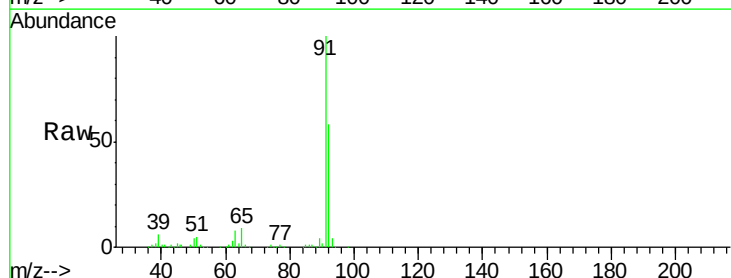
Acq: 30 Dec 2019 12:49

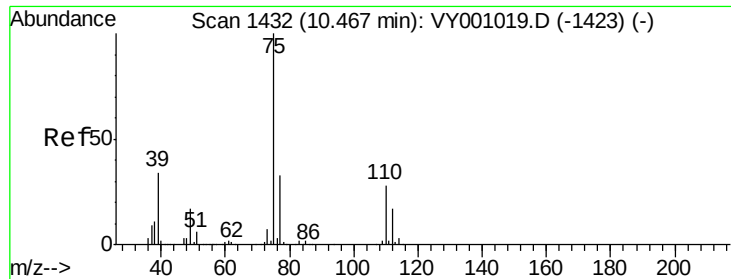
Tgt Ion: 92 Resp: 195297

Ion Ratio Lower Upper

92 100

91 168.7 135.7 203.5





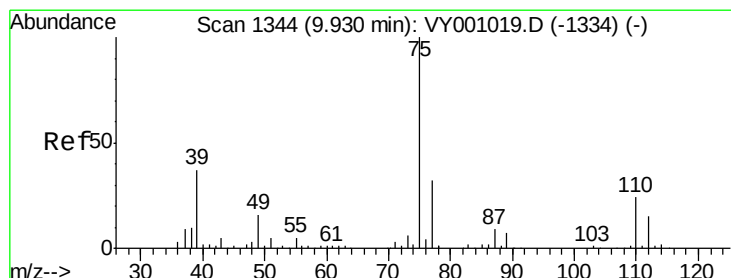
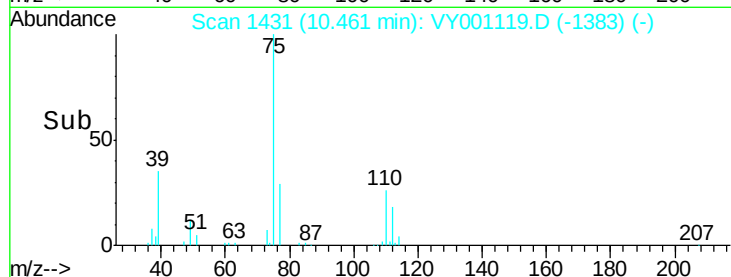
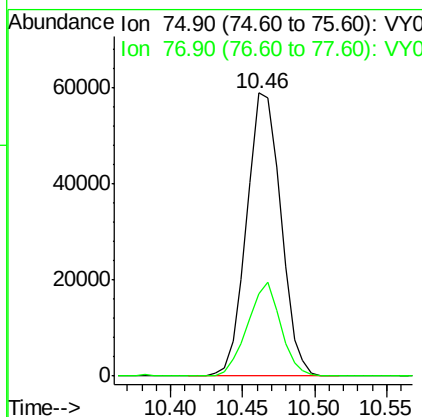
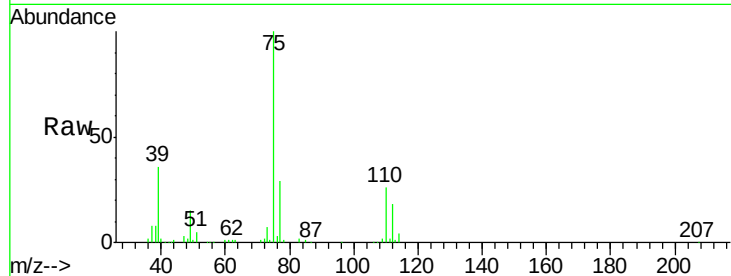
#53
t-1,3-Dichloropropene
Concen: 19.848 ug/l
RT: 10.46 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

Tot Ion: 75 Resp: 96807
Ion Ratio Lower Upper
75 100
77 29.2 26.5 39.7

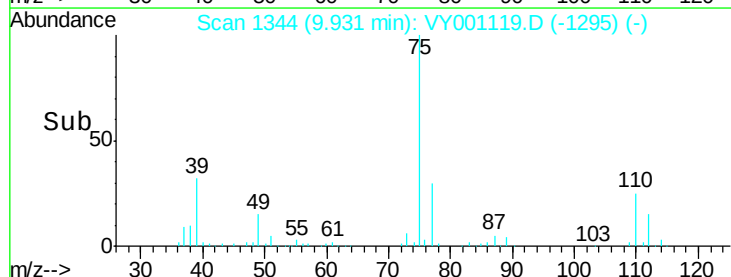
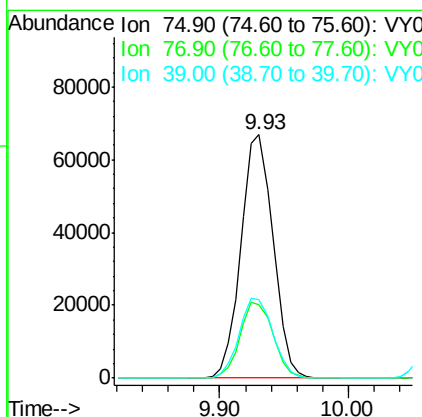
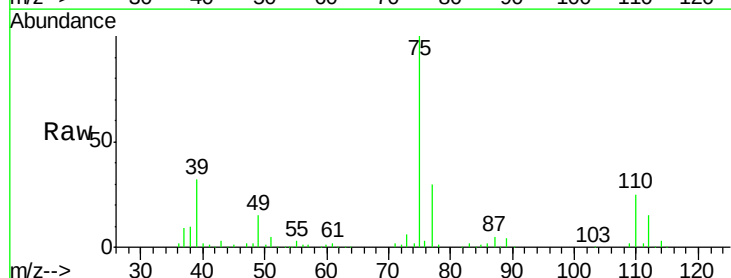
Manual Integrations
APPROVED

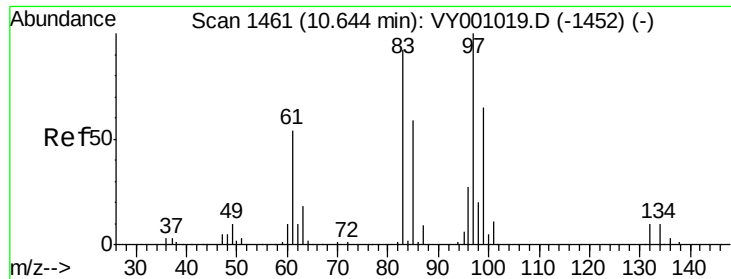
apatel
12/31/2019 11:47:46 AM



#54
cis-1,3-Dichloropropene
Concen: 19.616 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Tgt Ion: 75 Resp: 115044
Ion Ratio Lower Upper
75 100
77 30.0 25.2 37.8
39 32.4 29.5 44.3





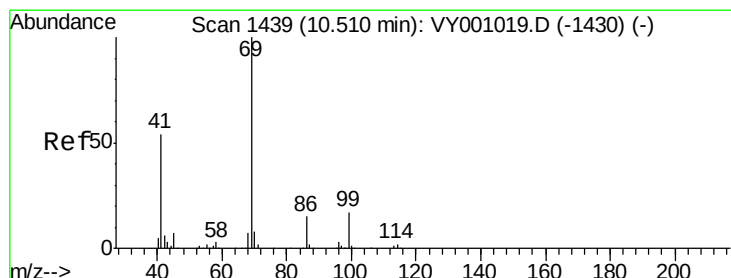
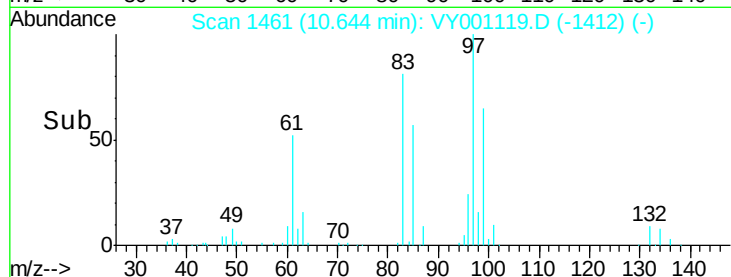
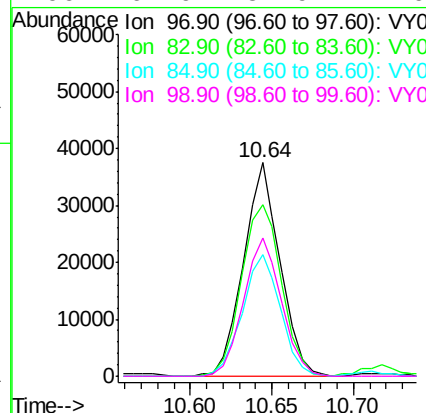
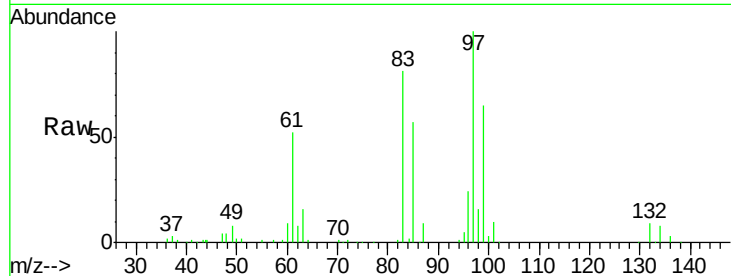
#55
 1,1,2-Trichloroethane
 Concen: 20.166 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001119.D
 Acq: 30 Dec 2019 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1230SBS01

Tot Ion	97	Resp	58410
Ion Ratio	Lower	Upper	
97	100		
83	80.6	73.7	110.5
85	56.7	47.3	70.9
99	64.9	51.9	77.9

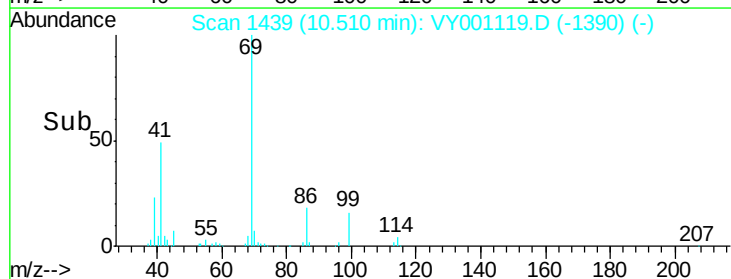
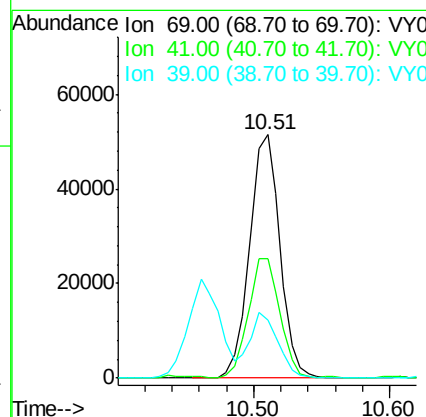
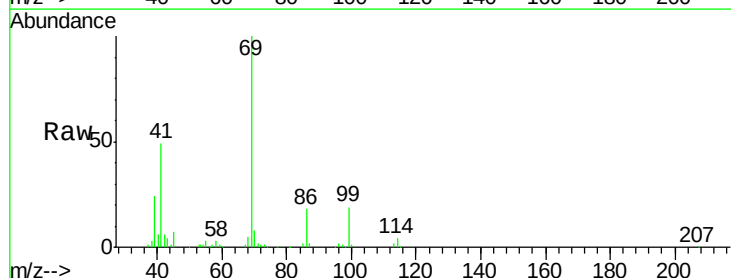
Manual Integrations
 APPROVED

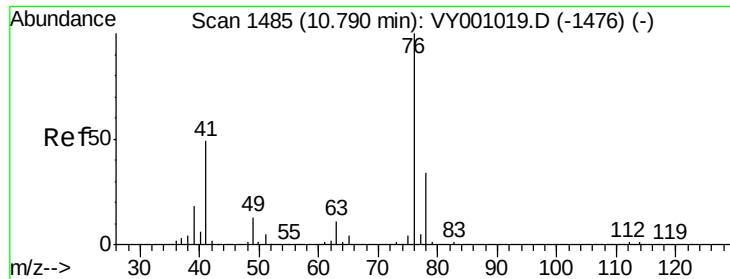
apatel
 12/31/2019 11:47:46 AM



#56
 Ethyl methacrylate
 Concen: 19.570 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001119.D
 Acq: 30 Dec 2019 12:49

Tgt Ion	69	Resp	80673
Ion Ratio	Lower	Upper	
69	100		
41	51.3	44.7	67.1
39	25.4	22.2	33.4





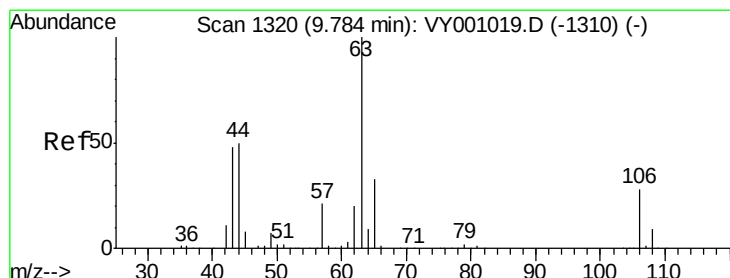
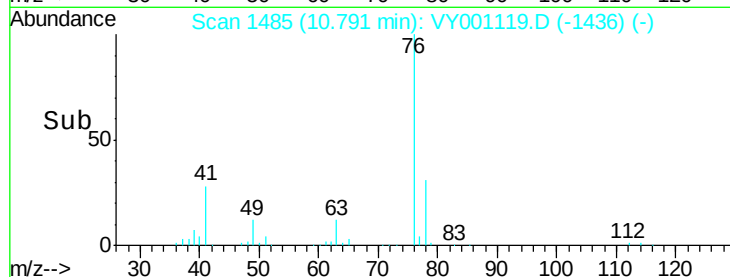
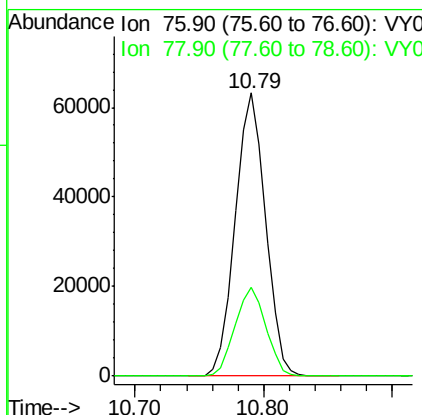
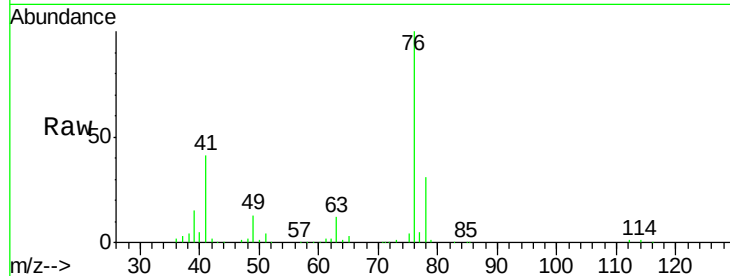
#57
 1,3-Dichloropropane
 Concen: 20.321 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001119.D
 Acq: 30 Dec 2019 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1230SBS01

Tot Ion	76	Resp	103167
Ion Ratio	Lower	Upper	
76	100		
78	32.0	25.8	38.8

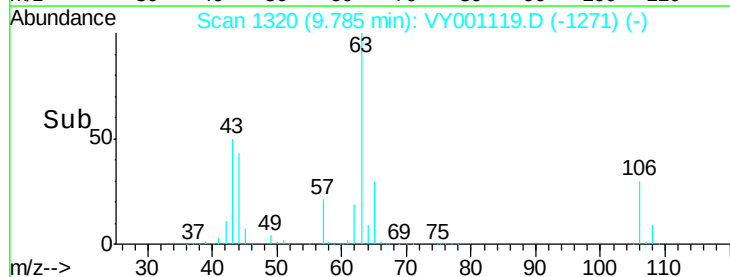
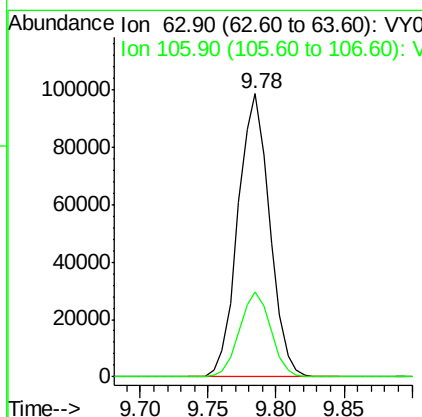
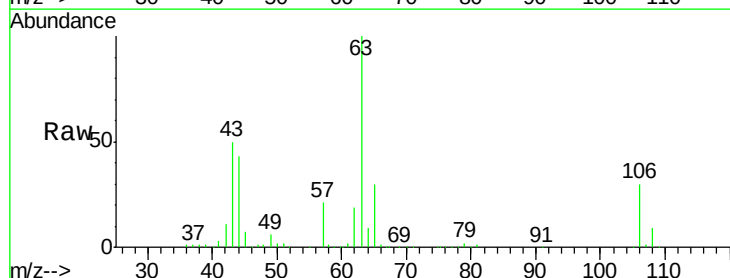
Manual Integrations
 APPROVED

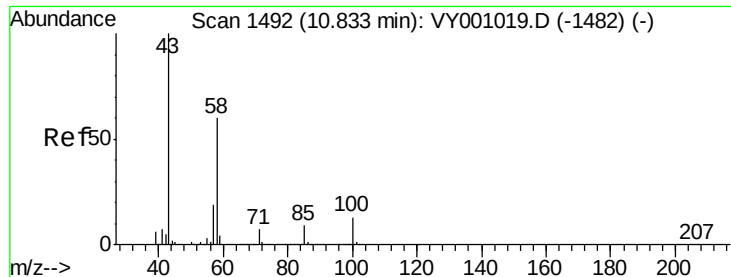
apatel
 12/31/2019 11:47:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.908 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001119.D
 Acq: 30 Dec 2019 12:49

Tgt Ion	63	Resp	160666
Ion Ratio	Lower	Upper	
63	100		
106	29.6	22.7	34.1





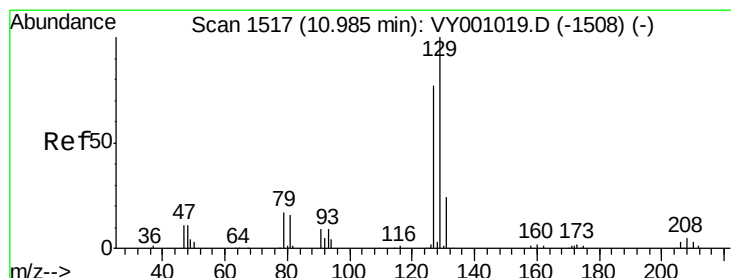
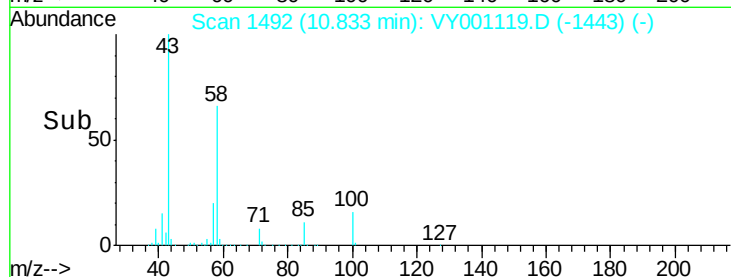
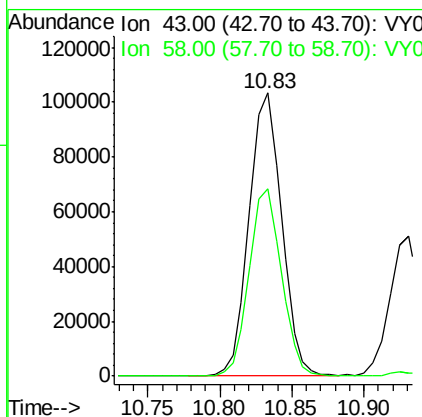
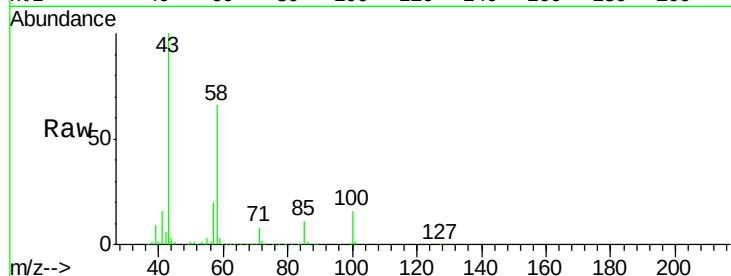
#59
2-Hexanone
Concen: 88.166 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	65.6	30.6	91.6

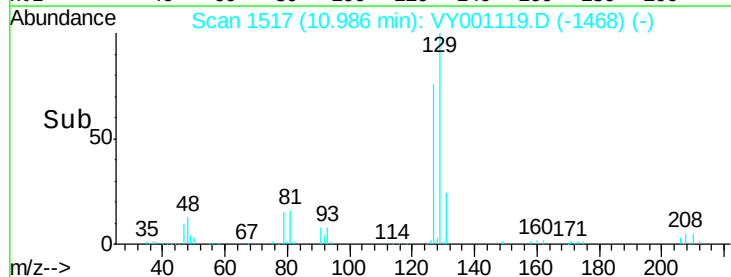
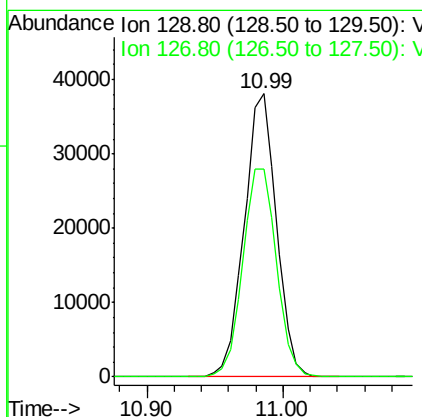
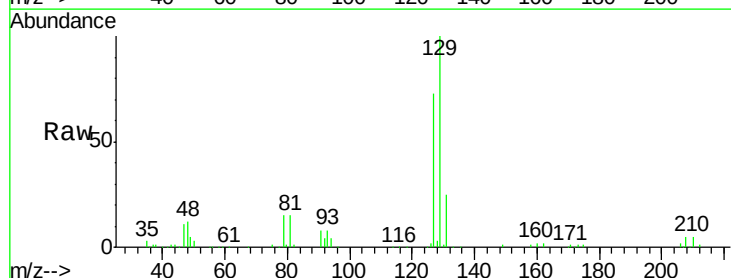
Manual Integrations
APPROVED

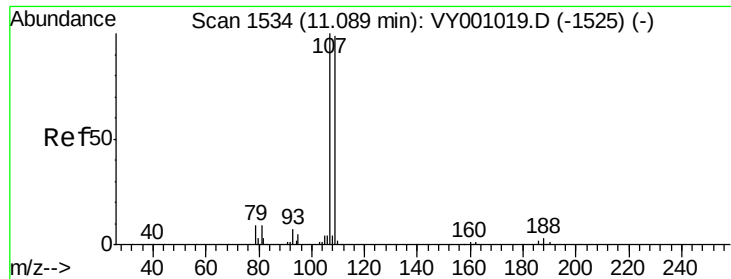
apatel
12/31/2019 11:47:46 AM



#60
Dibromochloromethane
Concen: 20.426 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.1	117.3





#61

1,2-Dibromoethane

Concen: 20.561 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY1230SBS01

Tot Ion: 107 Resp: 56949

Ion Ratio Lower Upper

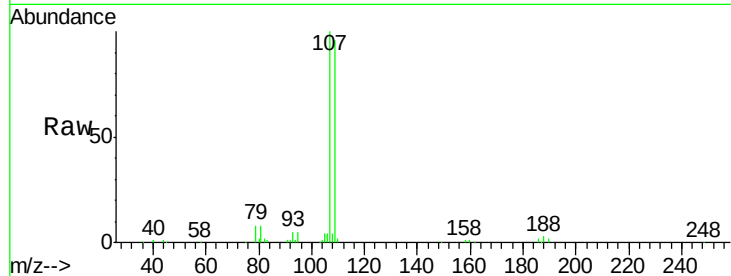
107 100

109 96.7 74.8 112.2

Manual Integrations
APPROVED

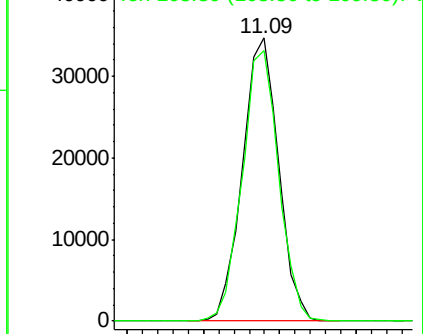
apatel

12/31/2019 11:47:46 AM

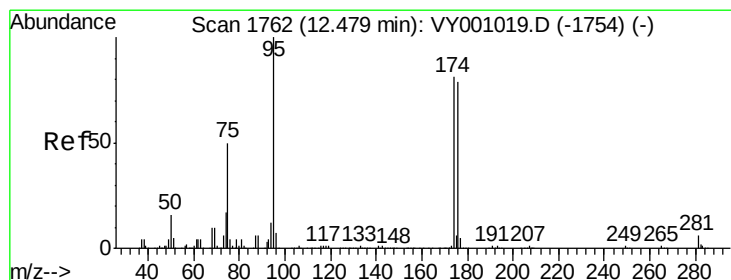
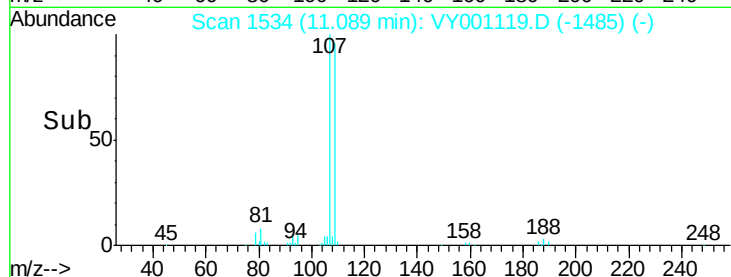


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 45.183 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

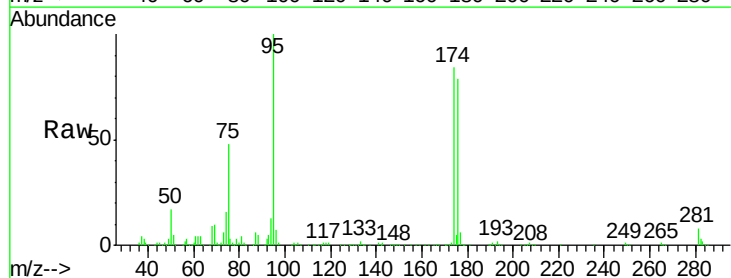
Tgt Ion: 95 Resp: 198170

Ion Ratio Lower Upper

95 100

174 82.9 0.0 156.4

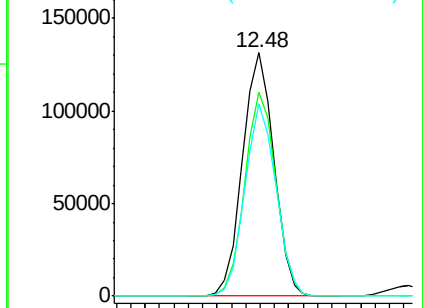
176 78.2 0.0 155.0



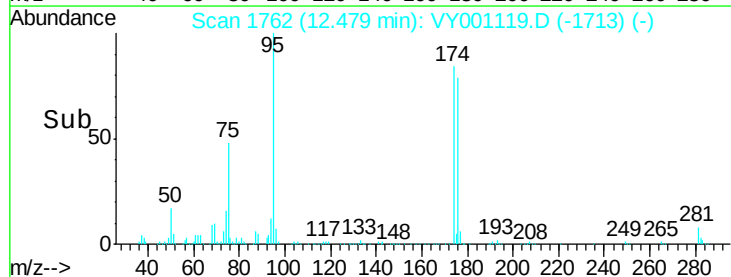
Abundance Ion 94.90 (94.60 to 95.60): VY0

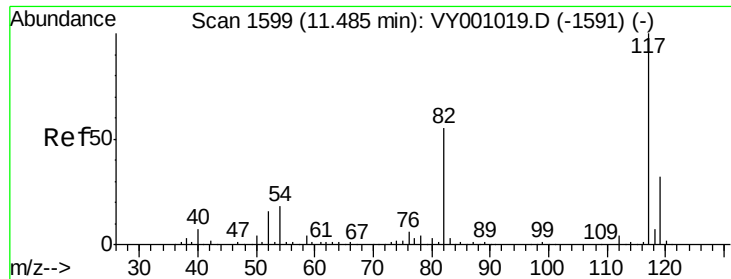
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





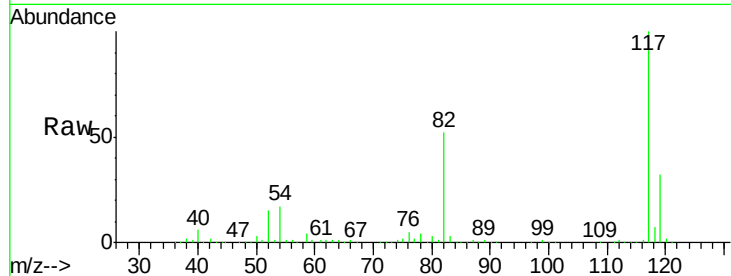
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	459858		
82	52.3	43.8	65.8	
119	32.5	25.8	38.6	

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:46 AM

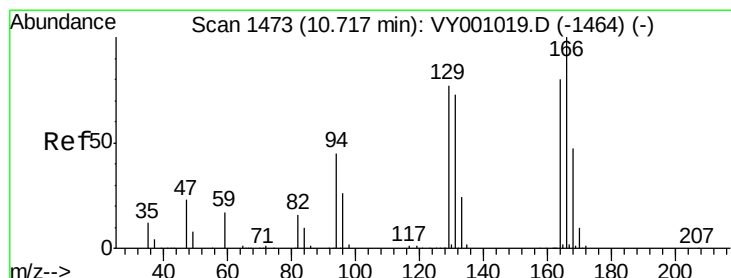
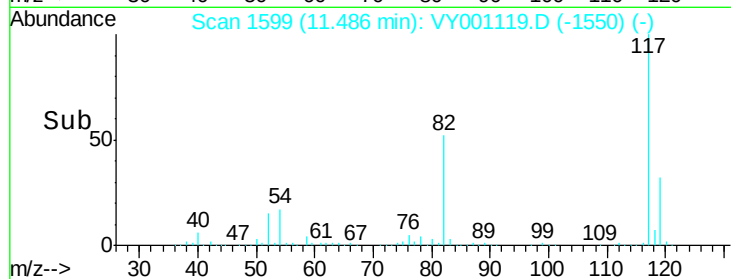
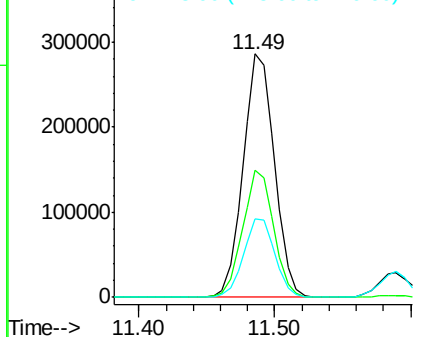


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.291 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	84713		
166	129.1	99.7	149.5	
129	96.1	76.9	115.3	
131	92.4	72.3	108.5	

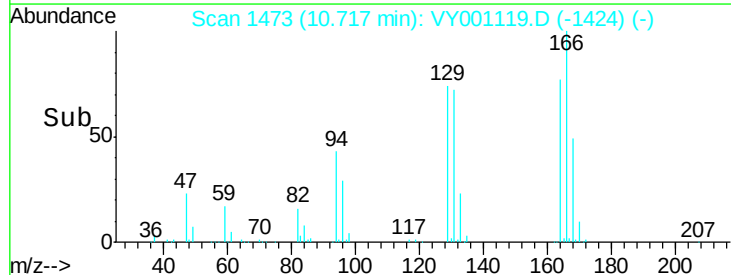
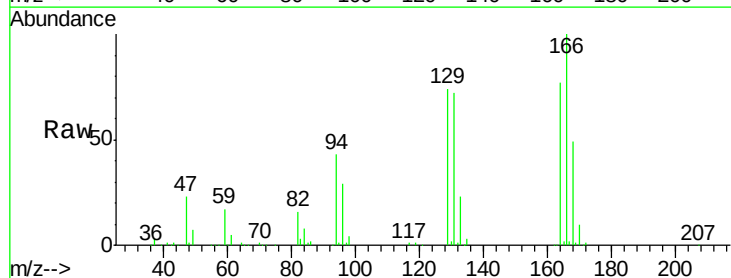
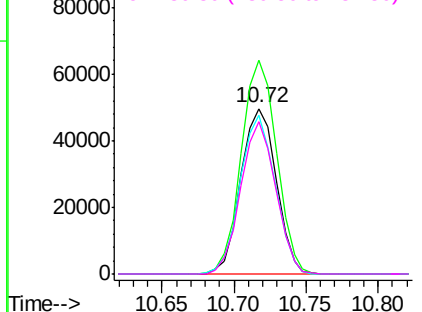
Abundance

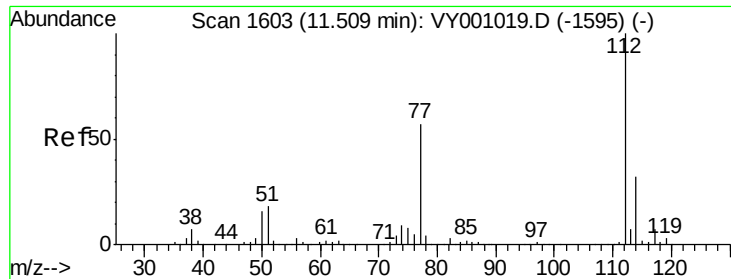
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





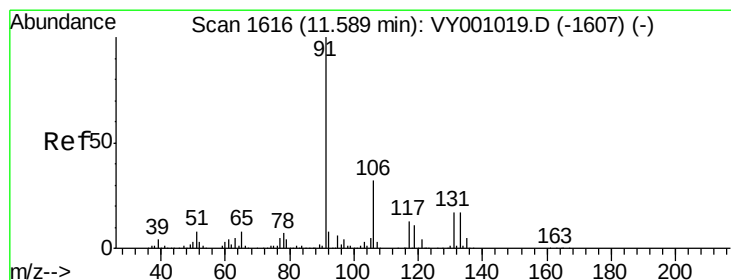
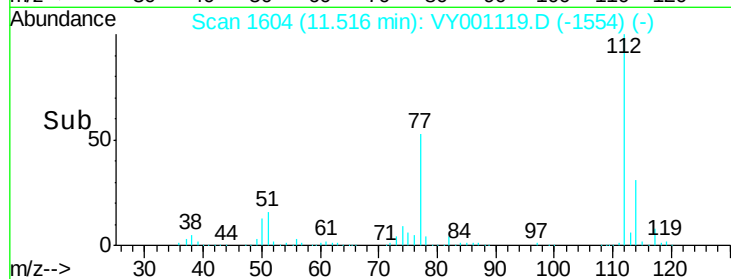
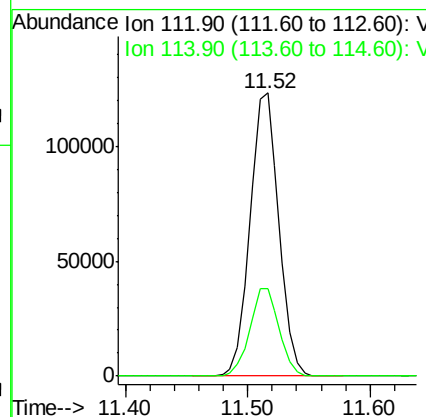
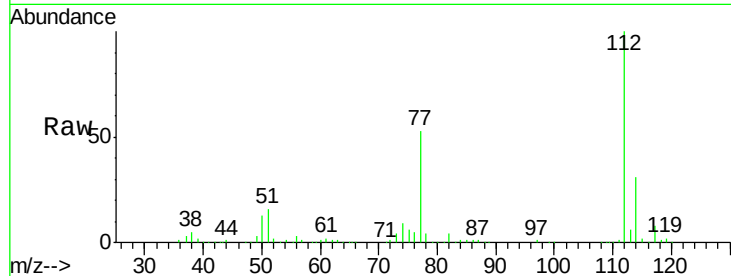
#65
Chlorobenzene
Concen: 21.083 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.4	38.2

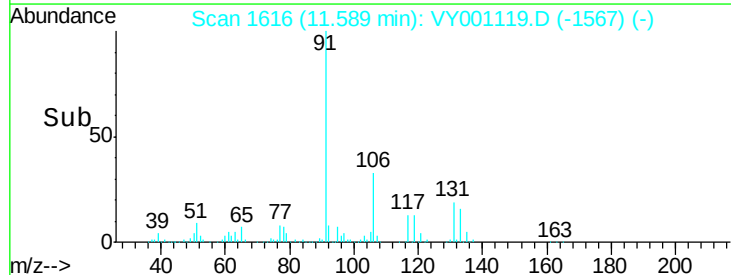
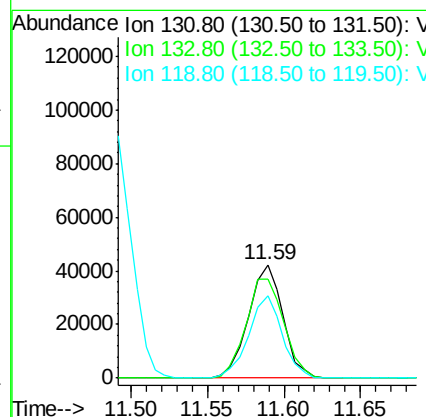
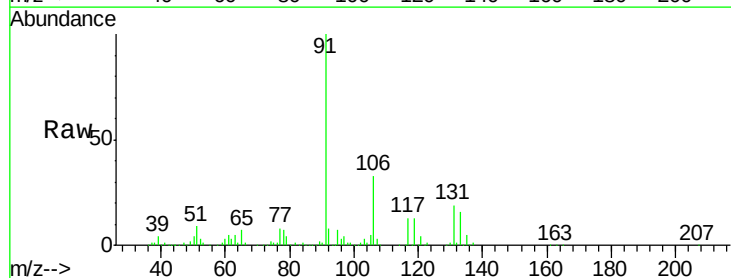
Manual Integrations
APPROVED

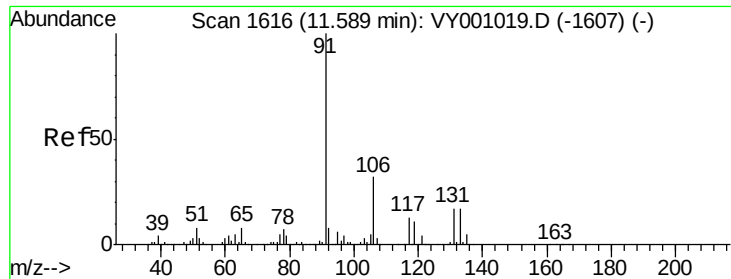
apatel
12/31/2019 11:47:46 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.871 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.1	144.4
119	71.0	34.0	101.8





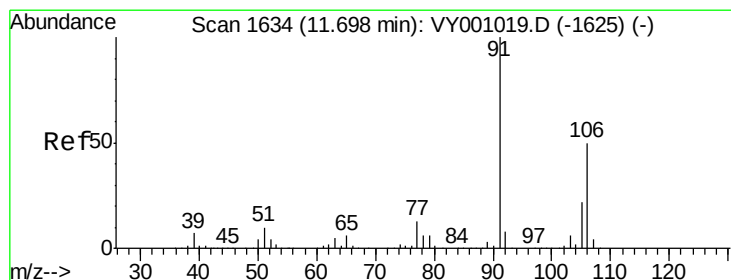
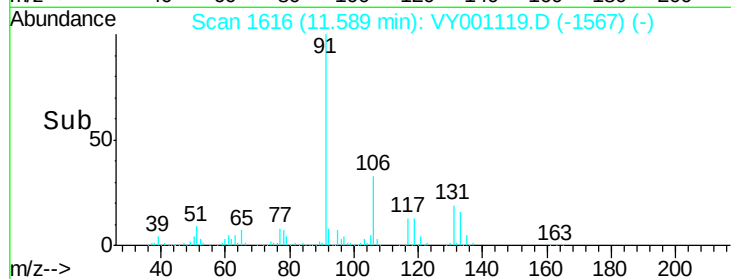
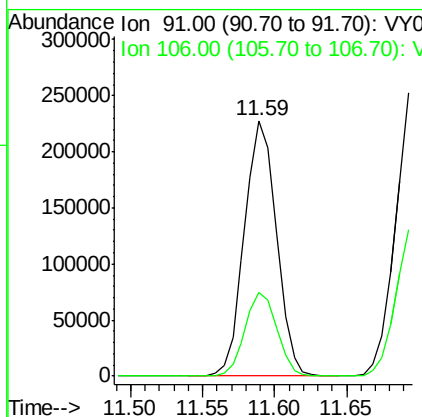
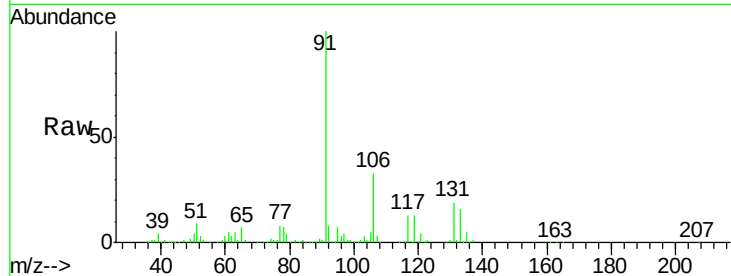
#67
Ethyl Benzene
Concen: 20.444 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

Tot Ion: 91 Resp: 350769
Ion Ratio Lower Upper
91 100
106 32.7 25.3 37.9

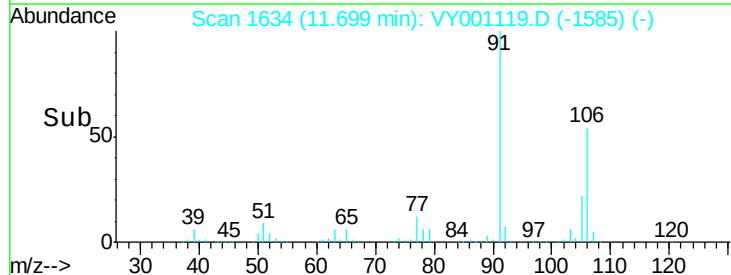
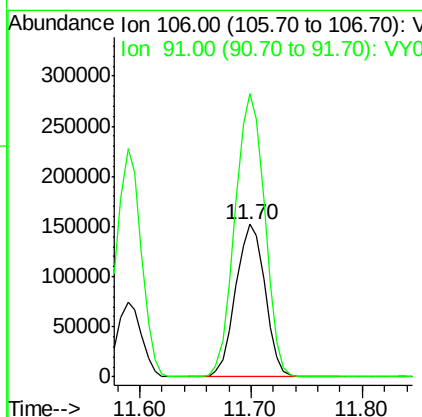
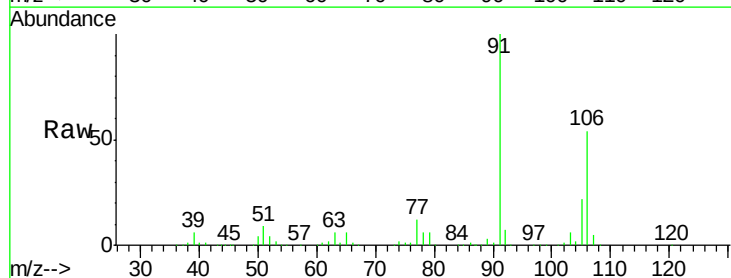
Manual Integrations
APPROVED

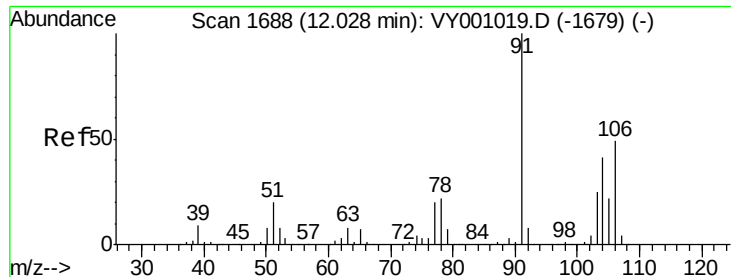
apatel
12/31/2019 11:47:46 AM



#68
m/p-Xylenes
Concen: 42.614 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Tgt Ion: 106 Resp: 277613
Ion Ratio Lower Upper
106 100
91 187.6 156.4 234.6





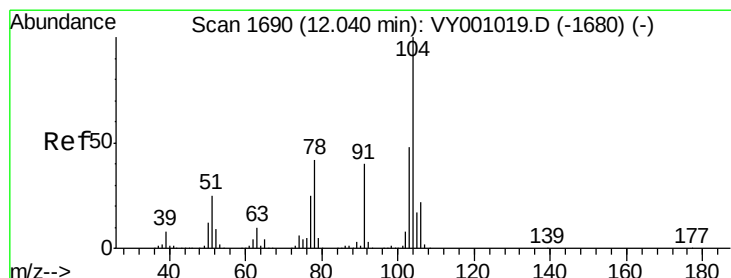
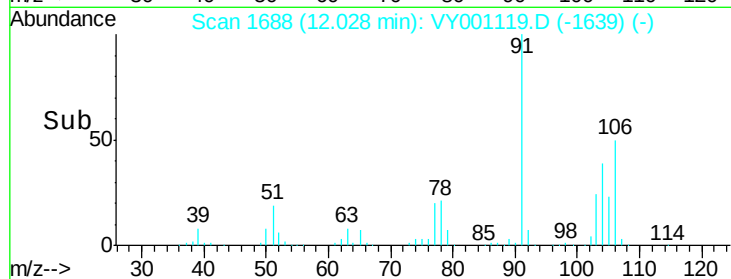
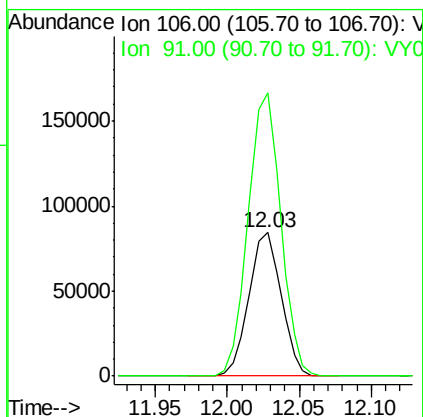
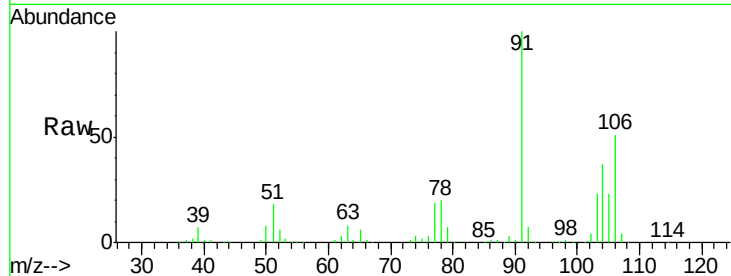
#69
o-Xylene
Concen: 21.397 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		131137		
91	199.1	103.0	309.0		

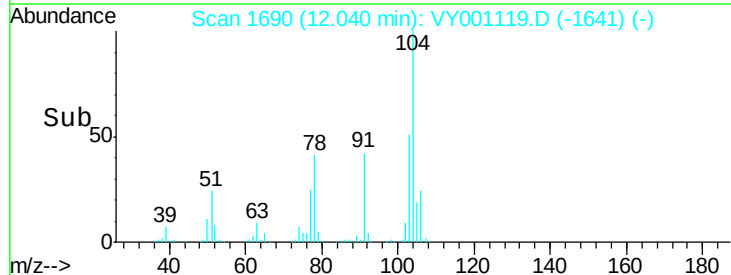
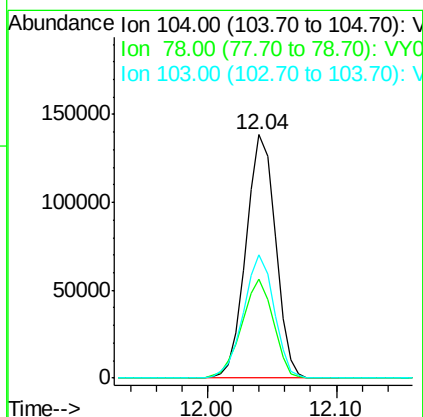
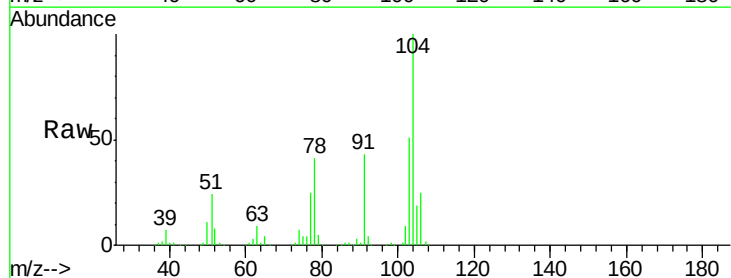
Manual Integrations
APPROVED

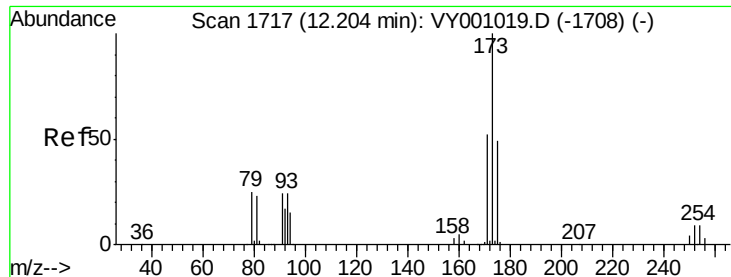
apatel
12/31/2019 11:47:46 AM



#70
Styrene
Concen: 20.998 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		218819		
78	43.8	36.6	54.8		
103	52.9	42.6	64.0		





#71

Bromoform

Concen: 20.442 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY1230SBS01

Tot Ion:173 Resp: 35830

Ion Ratio Lower Upper

173 100

175 49.9 24.5 73.5

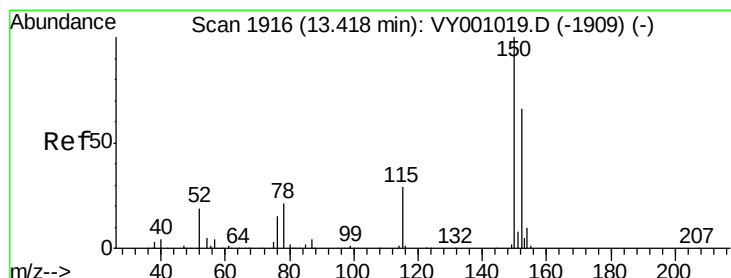
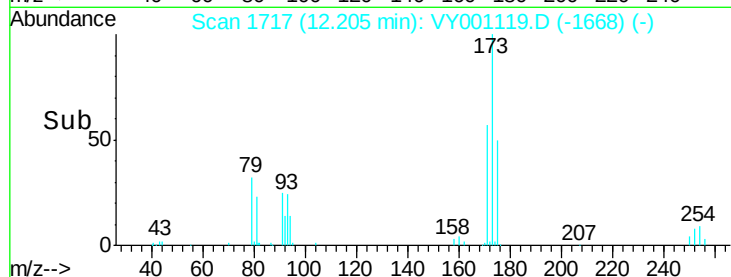
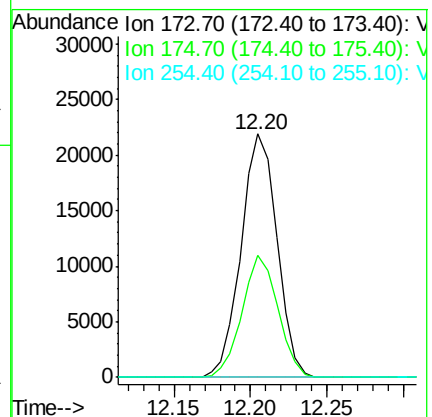
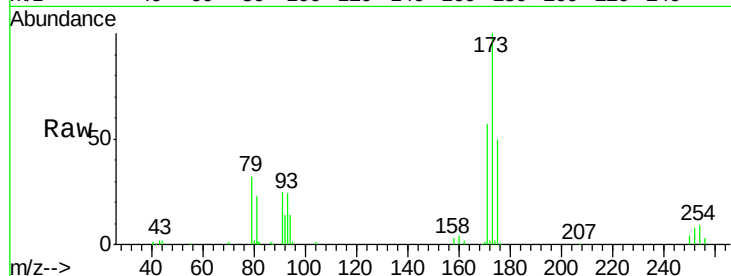
254 0.0 0.0 0.0

Manual Integrations

APPROVED

apatel

12/31/2019 11:47:46 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.01 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

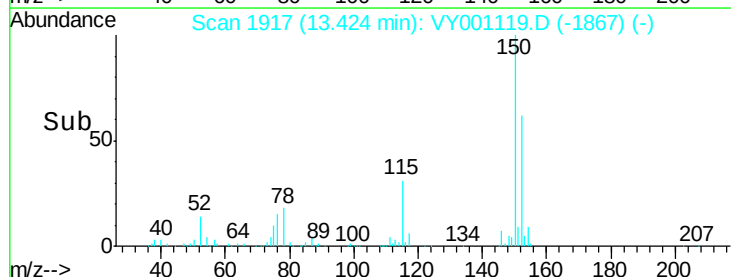
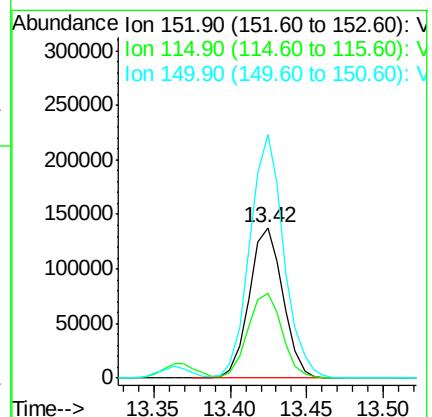
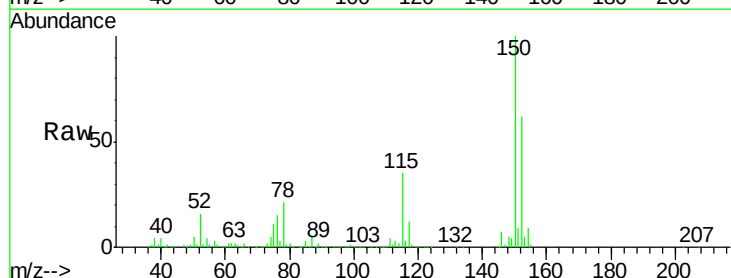
Tgt Ion:152 Resp: 210221

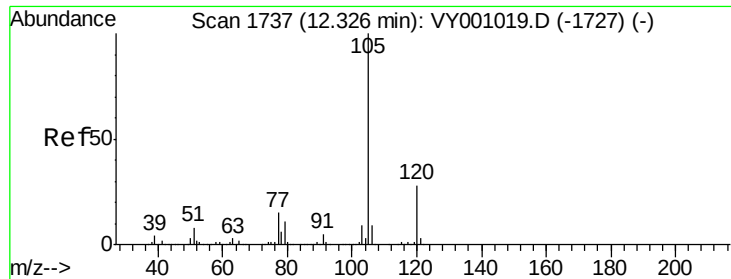
Ion Ratio Lower Upper

152 100

115 57.5 29.8 89.3

150 163.9 0.0 352.6





#73

Isopropylbenzene

Concen: 20.565 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY1230SBS01

Tot Ion:105 Resp: 334552

Ion Ratio Lower Upper

105 100

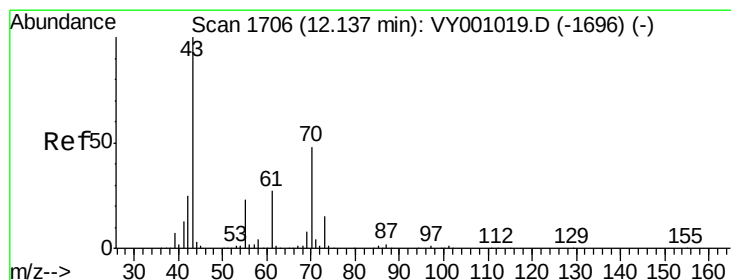
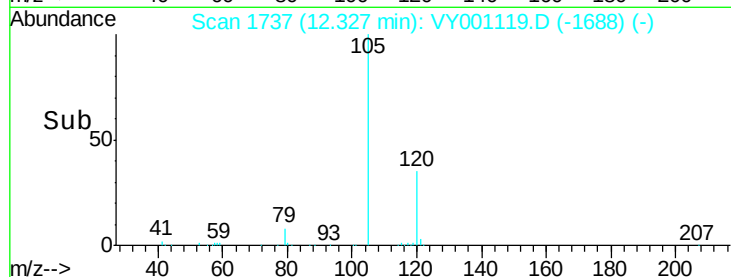
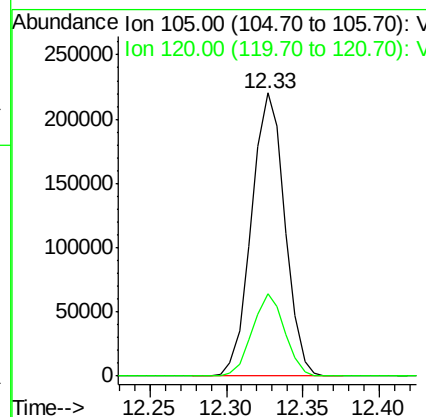
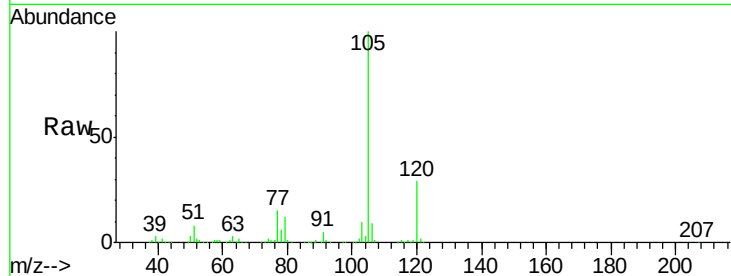
120 28.1 13.4 40.2

Manual Integrations

APPROVED

apatel

12/31/2019 11:47:46 AM



#74

N-ethyl acetate

Concen: 17.753 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Tgt Ion: 43 Resp: 75872

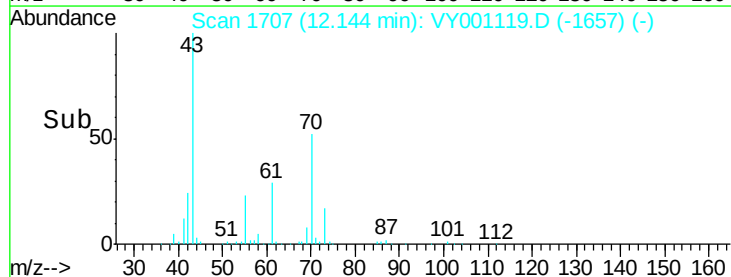
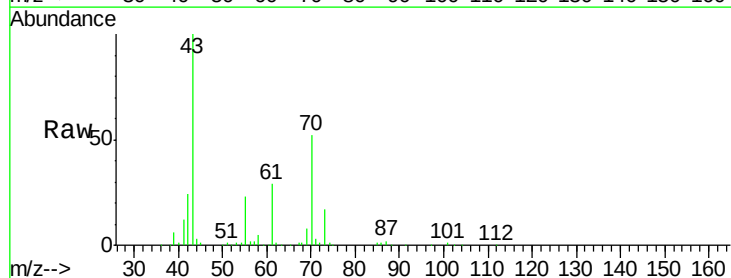
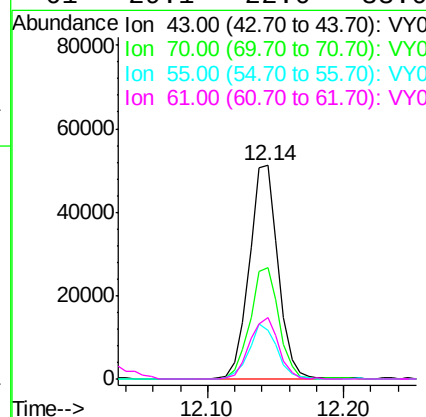
Ion Ratio Lower Upper

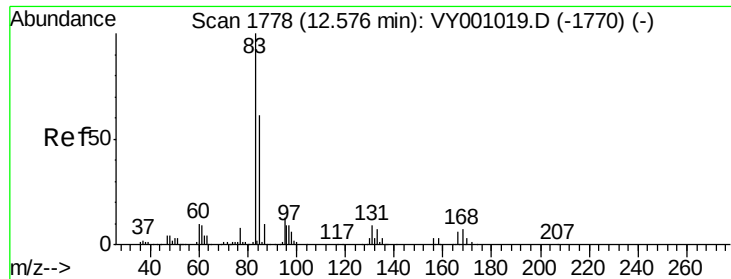
43 100

70 52.1 39.0 58.6

55 24.9 19.5 29.3

61 29.1 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.491 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

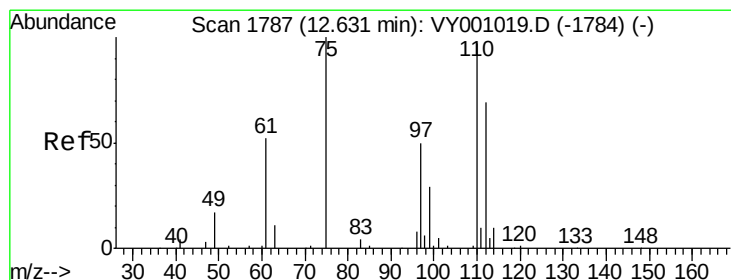
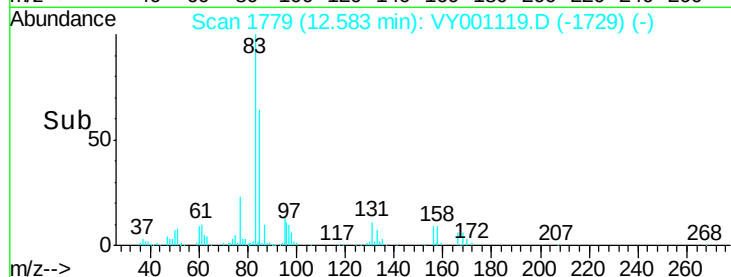
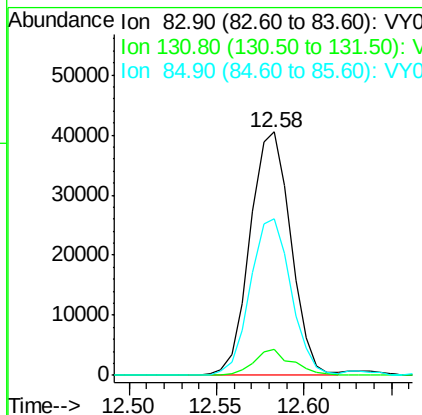
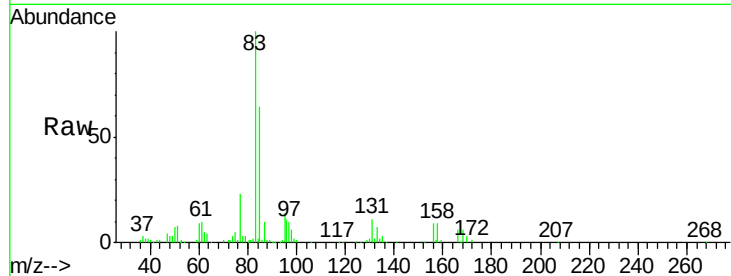
ClientSampleId :

VY1230SBS01

Tot Ion	83	Resp	65669
Ion Ratio	100	Lower	Upper
83	100		
131	10.2	5.1	15.3
85	64.4	32.1	96.5

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:46 AM



#76

1,2,3-Trichloropropane

Concen: 17.665 ug/l m

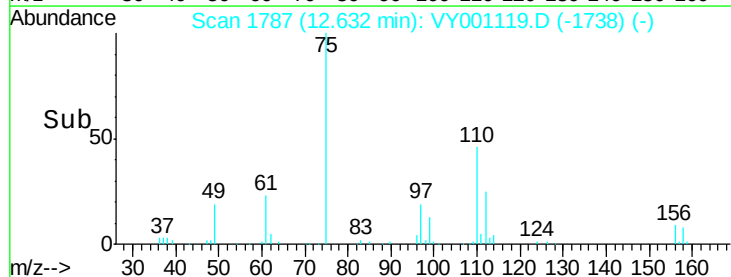
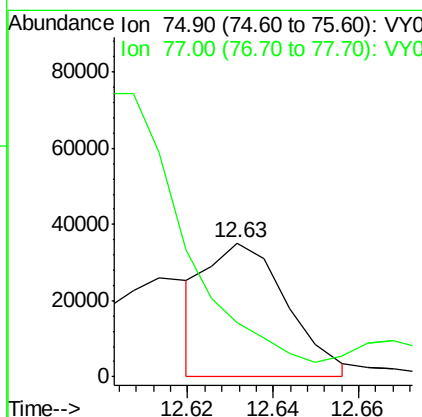
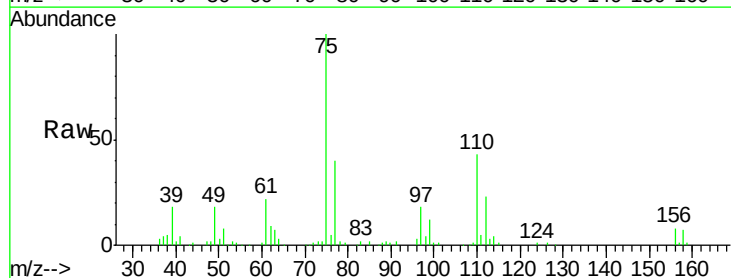
RT: 12.63 min Scan# 1787

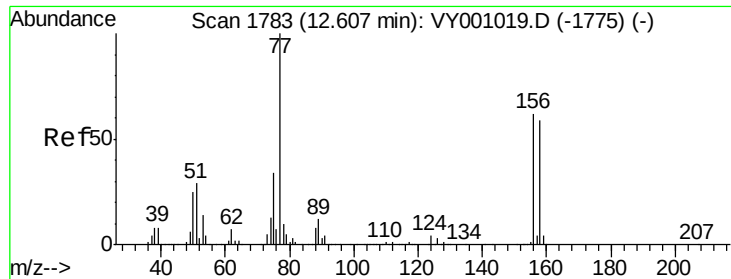
Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Tgt Ion	75	Resp	45780
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.877 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

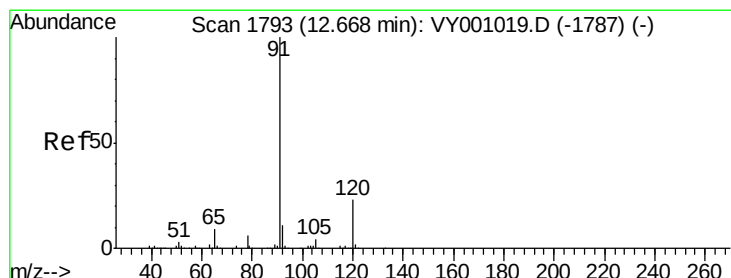
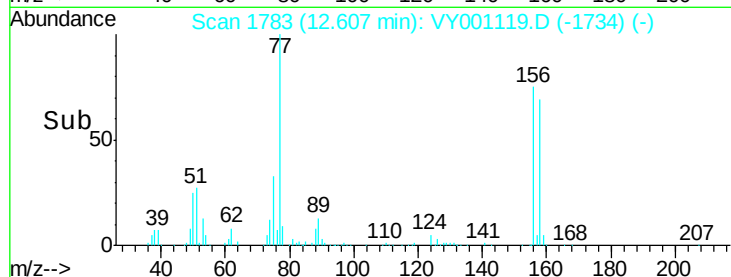
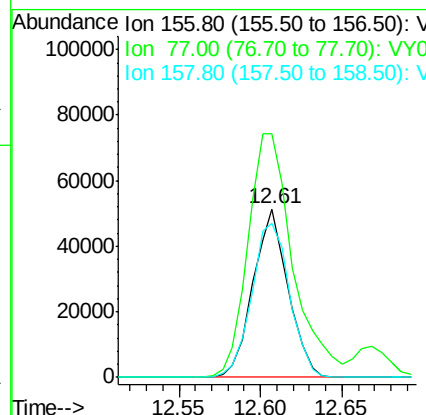
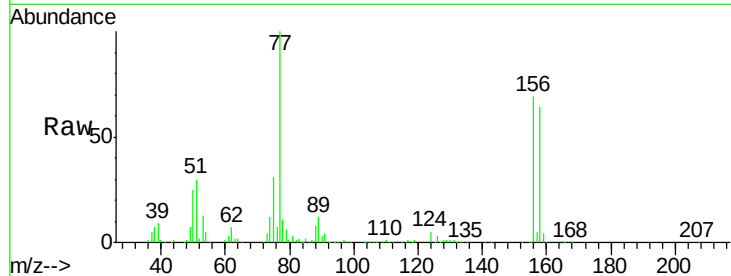
ClientSampleId :

VY1230SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		76383		
77	186.3		98.0	294.1	
158	99.6		48.5	145.6	

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:46 AM



#78

n-propylbenzene

Concen: 20.569 ug/l

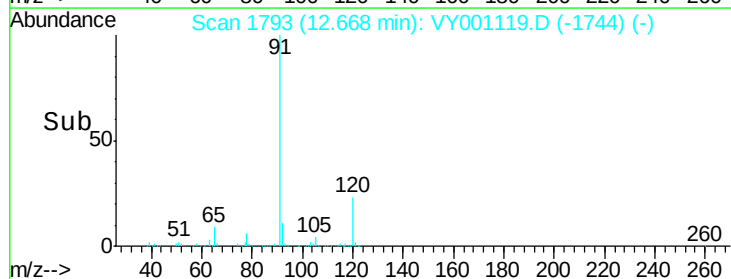
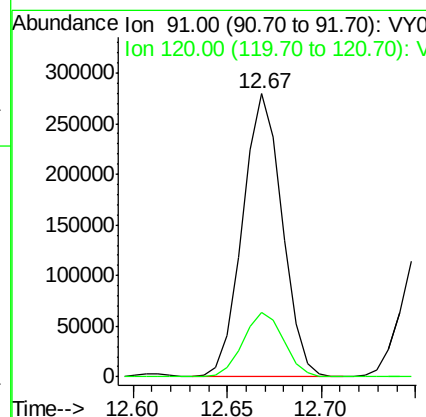
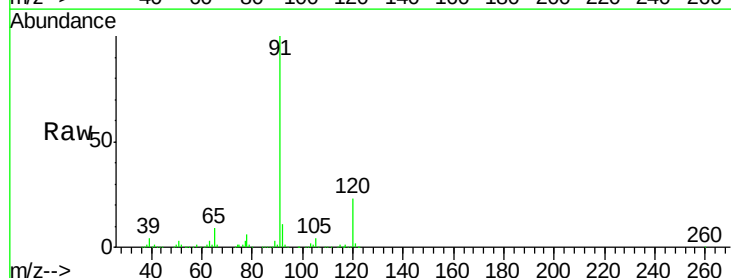
RT: 12.67 min Scan# 1793

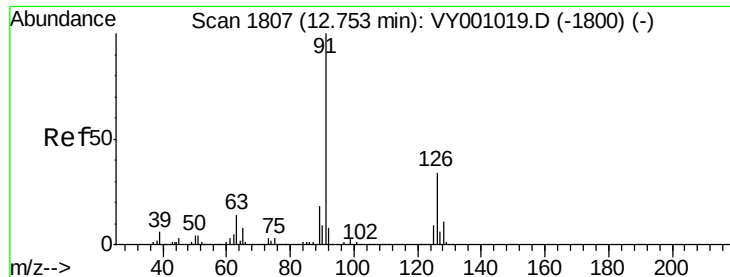
Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		407736		
120	23.3		11.4	34.2	





#79

2-Chlorotoluene

Concen: 19.893 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY1230SBS01

Tot Ion: 91 Resp: 217769

Ion Ratio Lower Upper

91 100

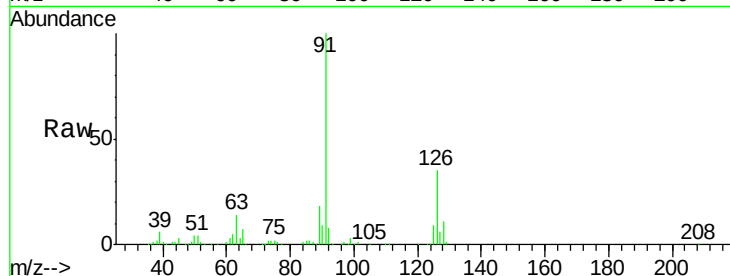
126 36.6 17.3 51.7

Manual Integrations

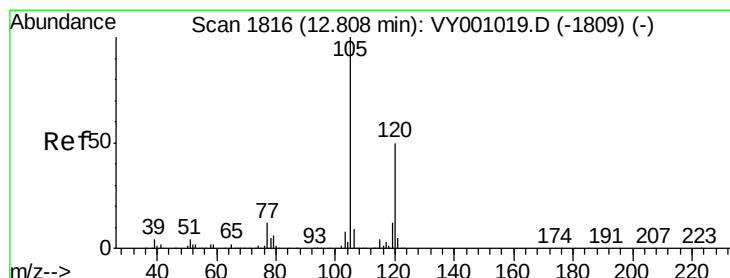
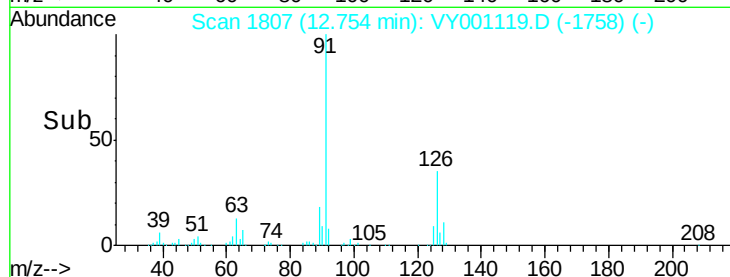
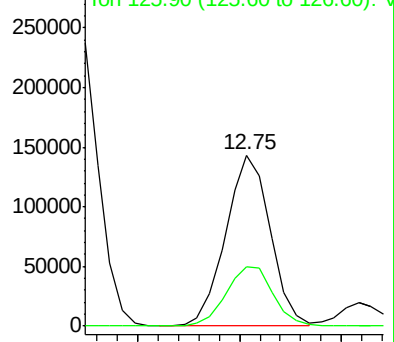
APPROVED

apatel

12/31/2019 11:47:46 AM



Abundance Ion 91.00 (90.70 to 91.70): VY001119.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.844 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001119.D

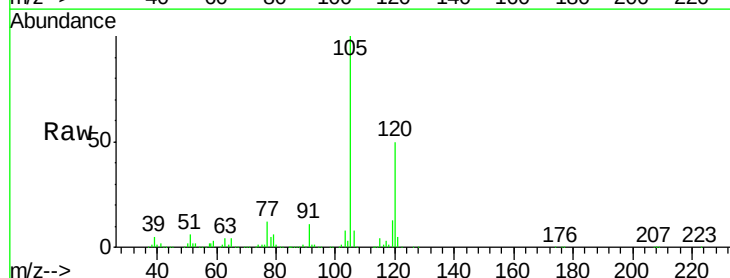
Acq: 30 Dec 2019 12:49

Tgt Ion: 105 Resp: 277953

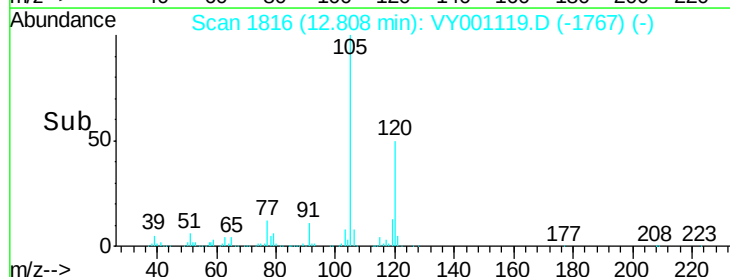
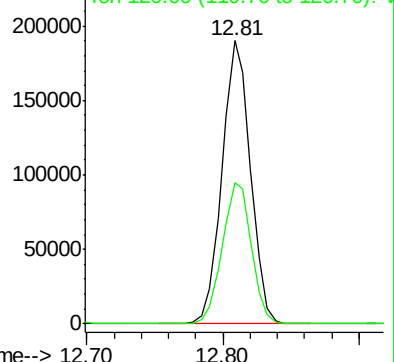
Ion Ratio Lower Upper

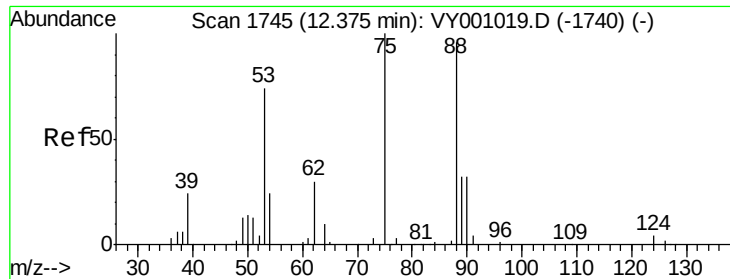
105 100

120 51.2 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VY001119.D (-1767) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.181 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

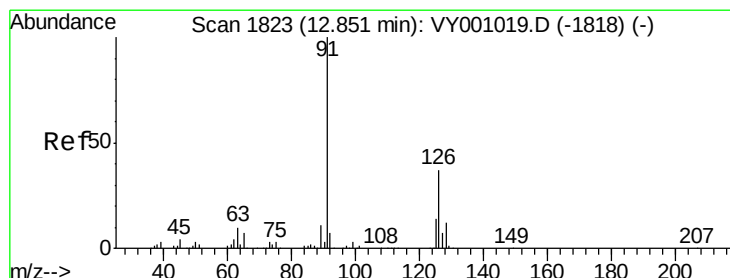
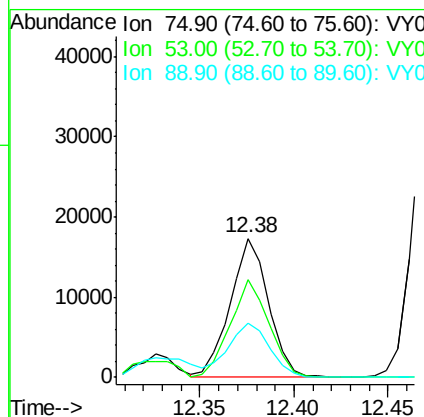
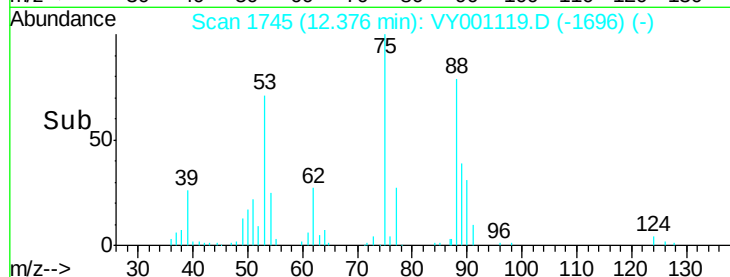
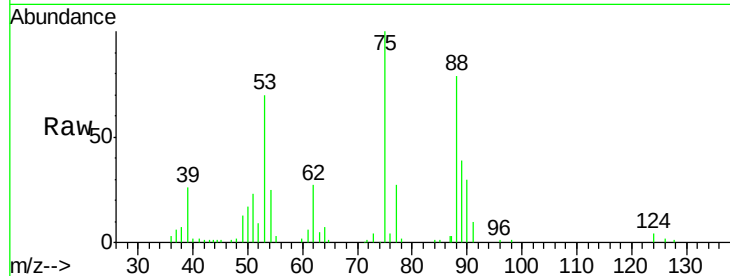
ClientSampleId :

VY1230SBS01

Tot Ion:	75	Resp:	24523
Ion Ratio	Lower	Upper	
75	100		
53	70.7	60.6	91.0
89	42.1	35.4	53.0

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:46 AM



#82

4-Chlorotoluene

Concen: 19.591 ug/l

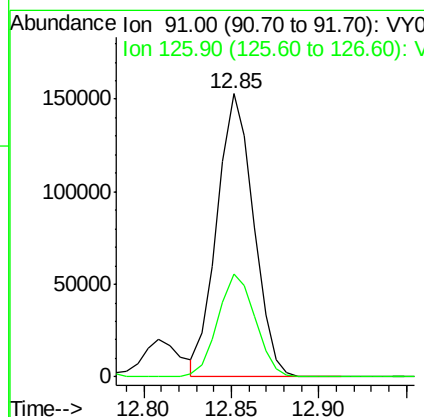
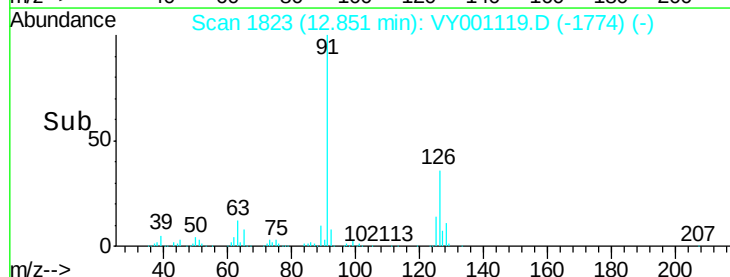
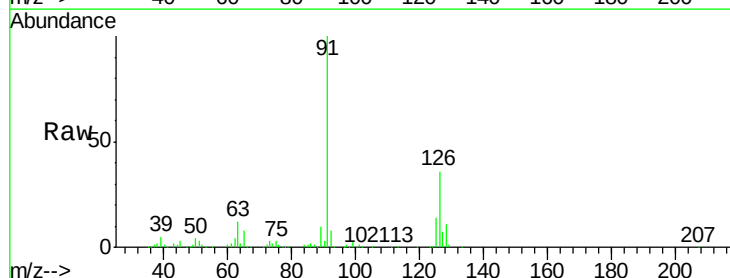
RT: 12.85 min Scan# 1823

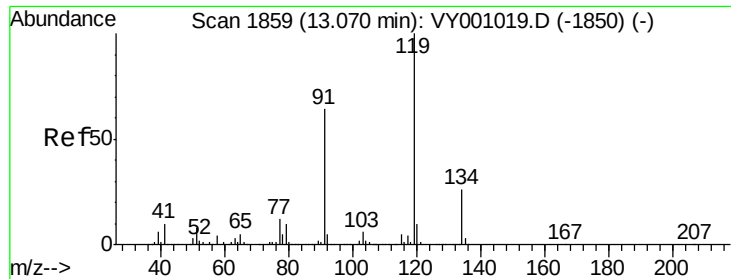
Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Tgt Ion:	91	Resp:	222757
Ion Ratio	Lower	Upper	
91	100		
126	37.2	17.6	52.8





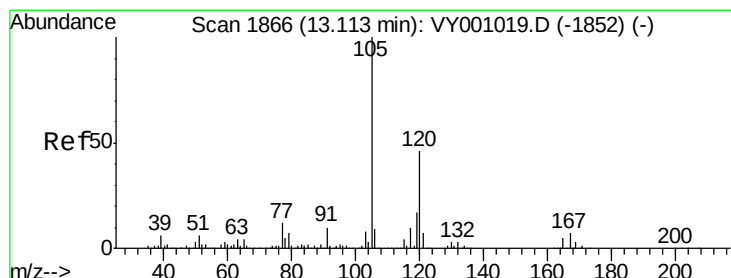
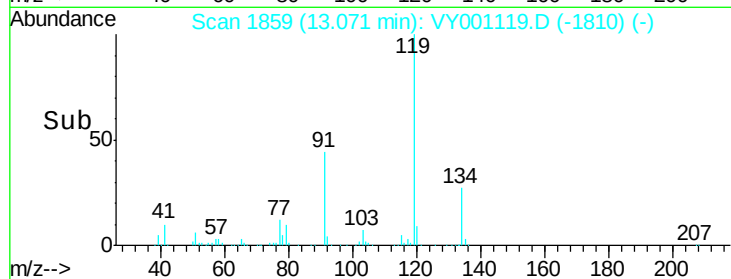
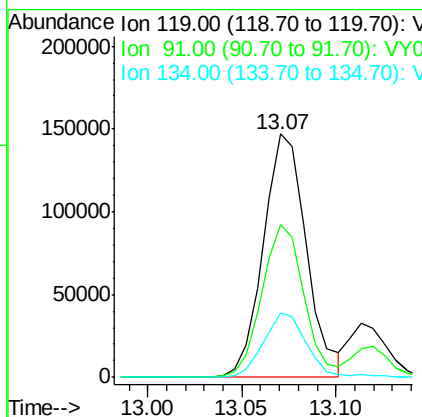
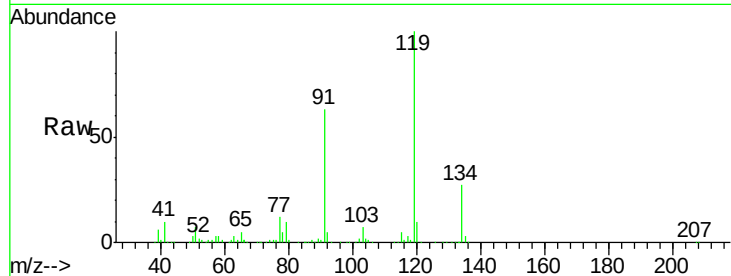
#83
 tert-Butylbenzene
 Concen: 20.864 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY001119.D
 Acq: 30 Dec 2019 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	233546		
91	61.3		31.9	95.7
134	26.5		13.6	40.7

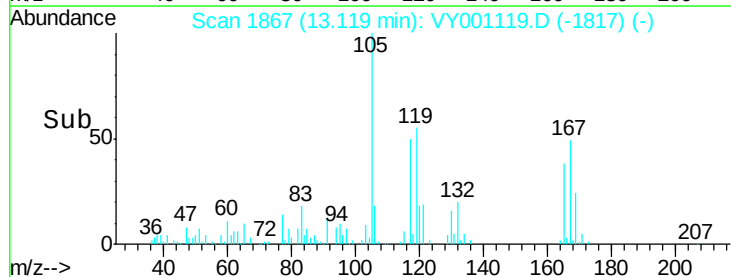
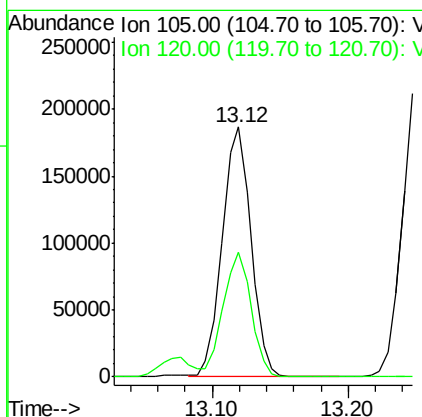
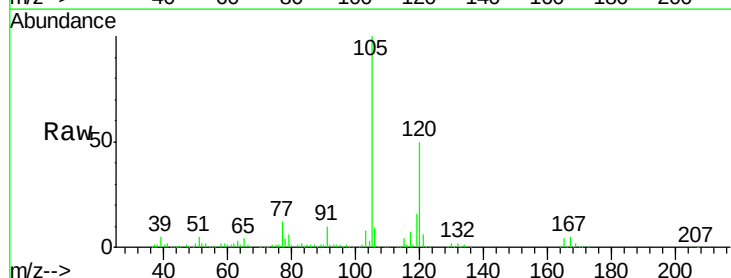
Manual Integrations
 APPROVED

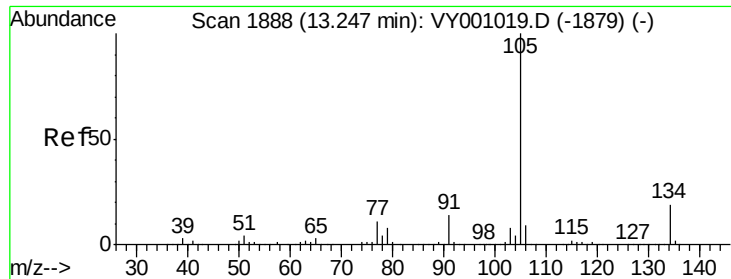
apatel
 12/31/2019 11:47:46 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.429 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001119.D
 Acq: 30 Dec 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	273740		
120	49.0		23.4	70.2





#85

sec-Butylbenzene

Concen: 20.421 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY1230SBS01

Tot Ion:105 Resp: 336986

Ion Ratio Lower Upper

105 100

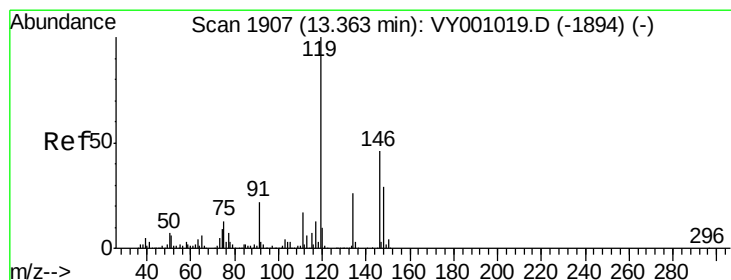
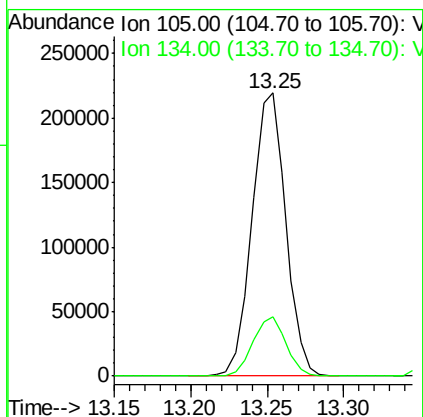
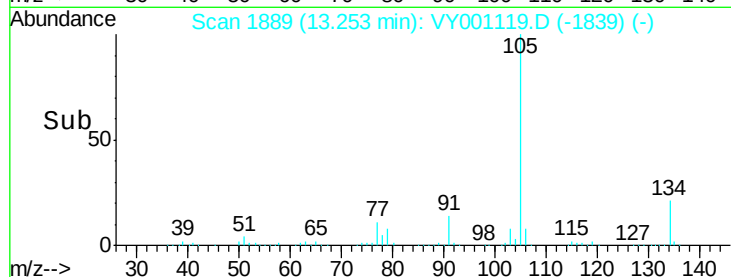
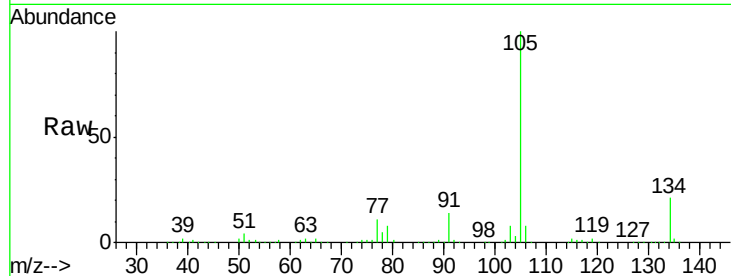
134 20.5 10.0 30.0

Manual Integrations

APPROVED

apatel

12/31/2019 11:47:46 AM



#86

p-Isopropyltoluene

Concen: 20.830 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

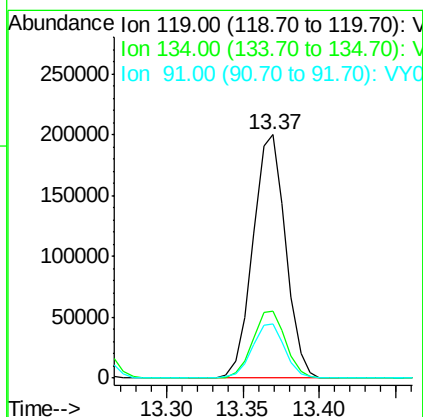
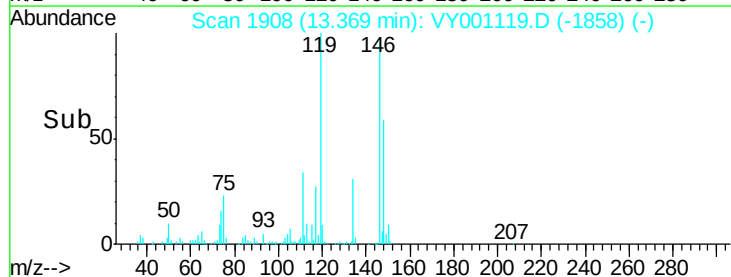
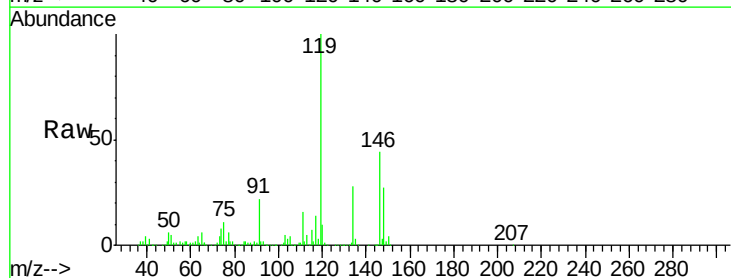
Tgt Ion:119 Resp: 297427

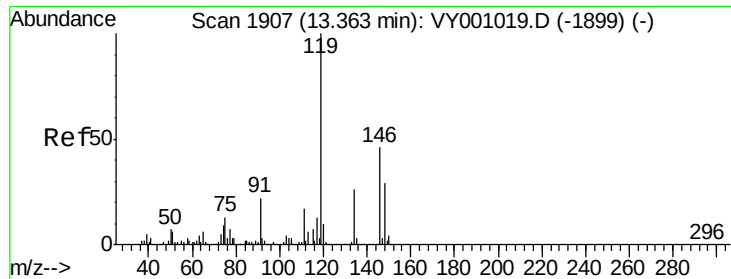
Ion Ratio Lower Upper

119 100

134 27.8 13.6 40.7

91 22.3 11.4 34.1





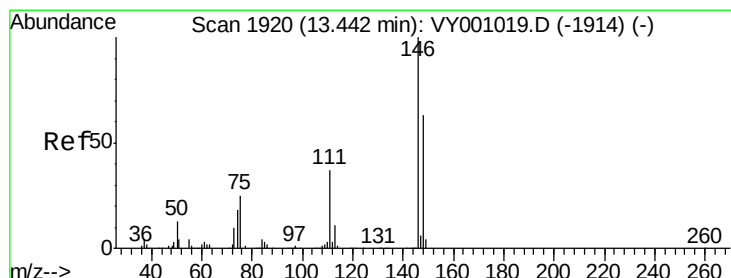
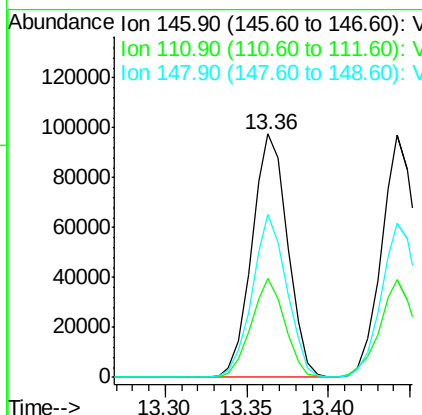
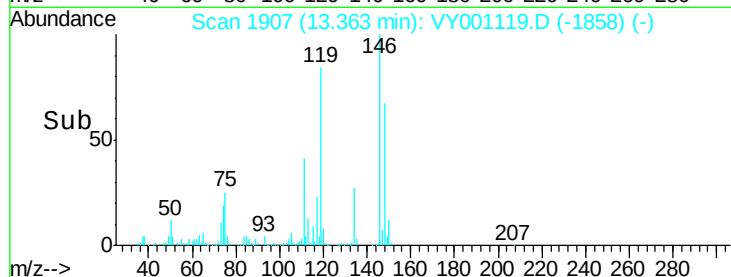
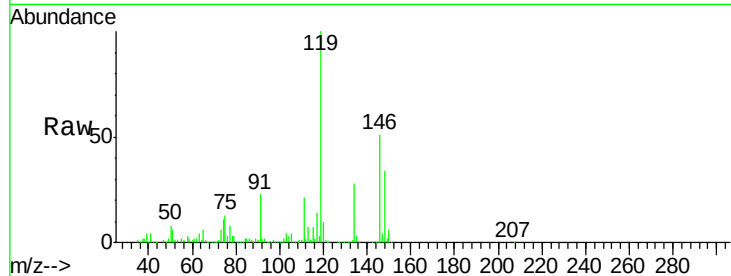
#87
 1,3-Dichlorobenzene
 Concen: 21.178 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001119.D
 Acq: 30 Dec 2019 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	148818		
111	38.3	19.7	59.0	
148	64.6	31.9	95.5	

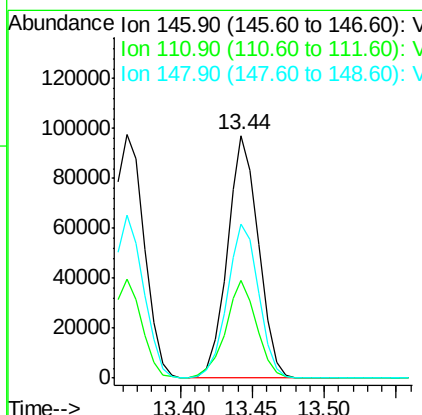
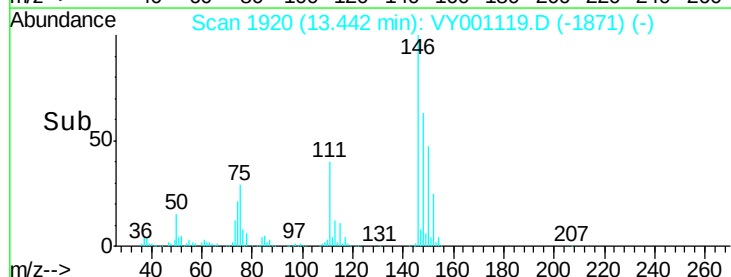
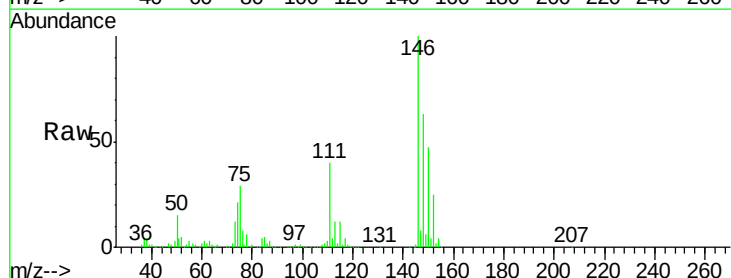
Manual Integrations
 APPROVED

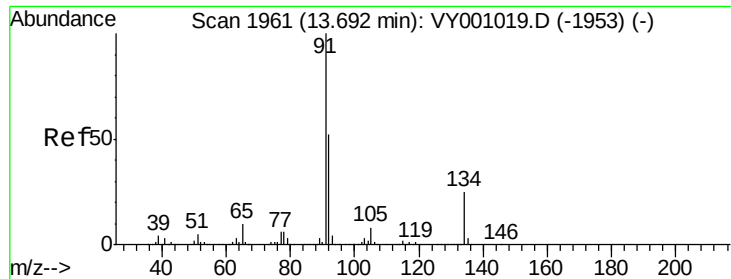
apatel
 12/31/2019 11:47:46 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.564 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY001119.D
 Acq: 30 Dec 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	145769		
111	40.2	19.4	58.2	
148	64.6	31.8	95.3	





#89

n-Butylbenzene

Concen: 20.327 ug/l

RT: 13.69 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Instrument :

MSVOA_Y

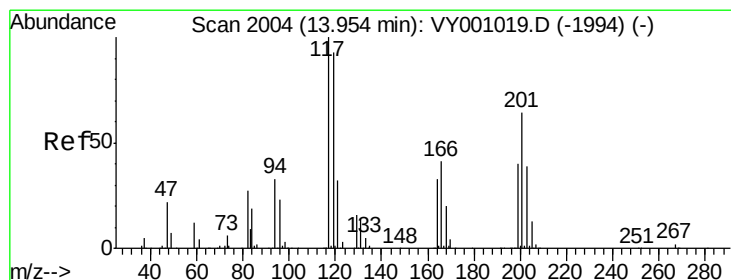
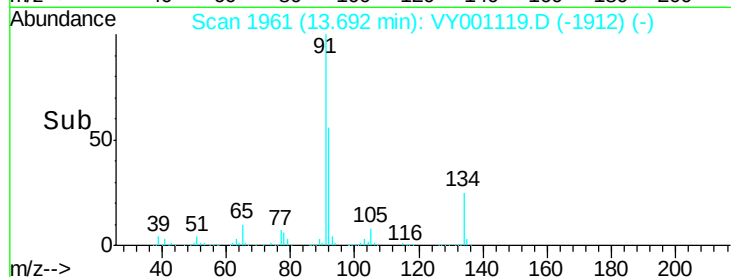
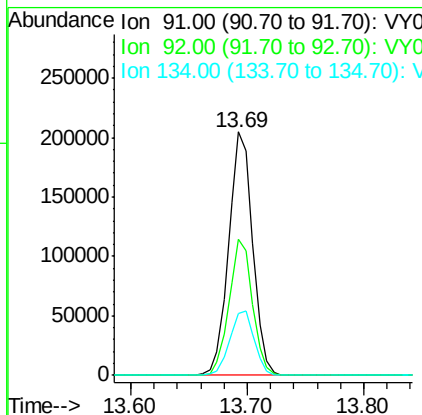
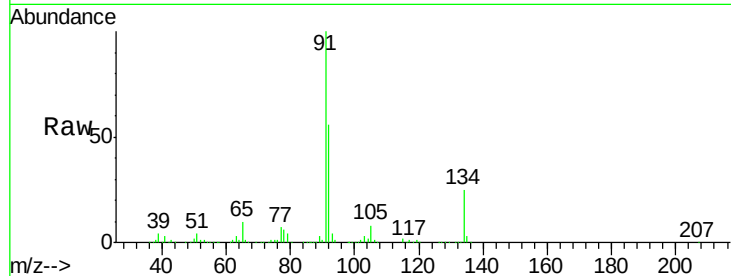
ClientSampleId :

VY1230SBS01

Tot Ion:	91	Resp:	292024
Ion Ratio	Lower	Upper	
91	100		
92	54.8	26.9	80.7
134	27.0	12.7	38.0

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:46 AM



#90

Hexachloroethane

Concen: 20.616 ug/l

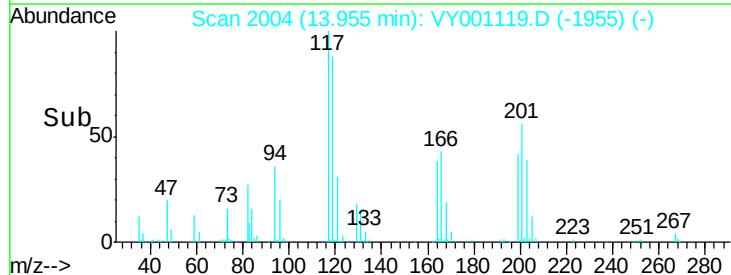
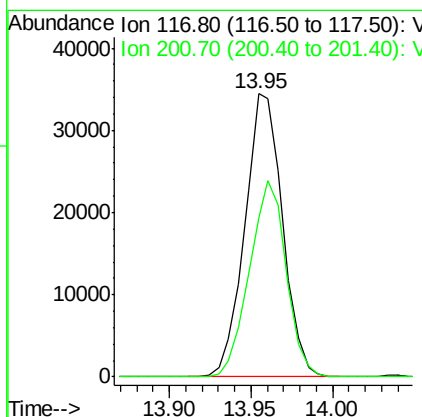
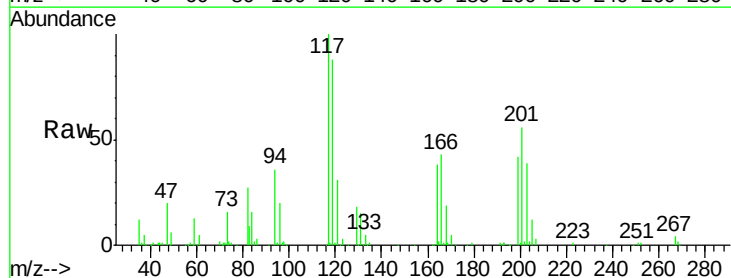
RT: 13.95 min Scan# 2004

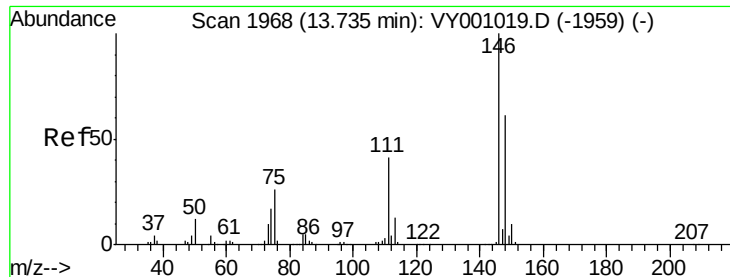
Delta R.T. 0.00 min

Lab File: VY001119.D

Acq: 30 Dec 2019 12:49

Tgt Ion:	117	Resp:	55460
Ion Ratio	Lower	Upper	
117	100		
201	67.2	33.7	101.1





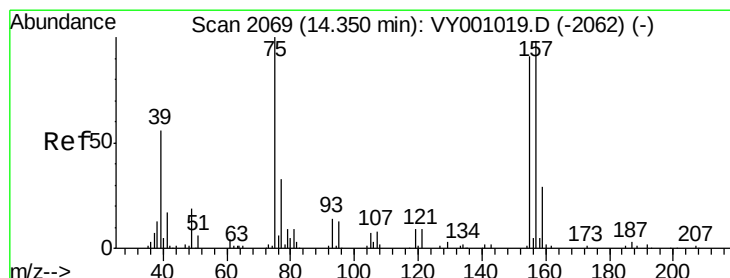
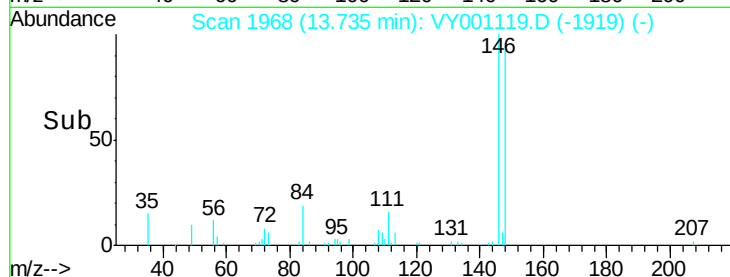
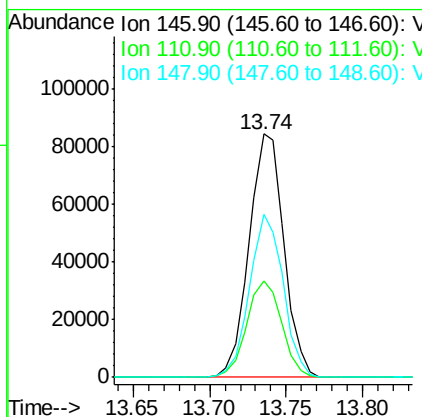
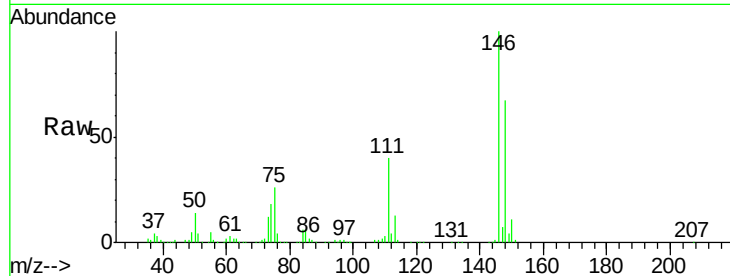
#91
 1,2-Dichlorobenzene
 Concen: 20.668 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001119.D
 Acq: 30 Dec 2019 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1230SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.6	61.9
148	64.8	31.6	94.7

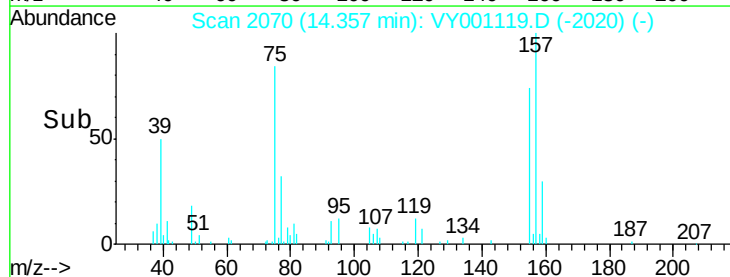
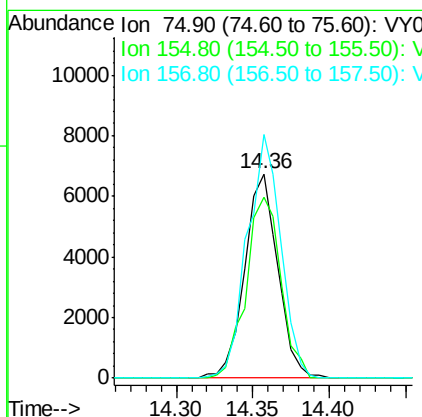
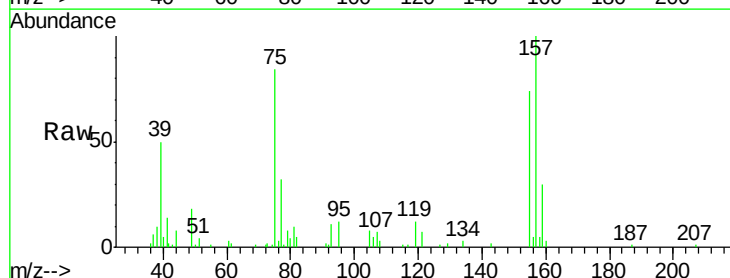
Manual Integrations
 APPROVED

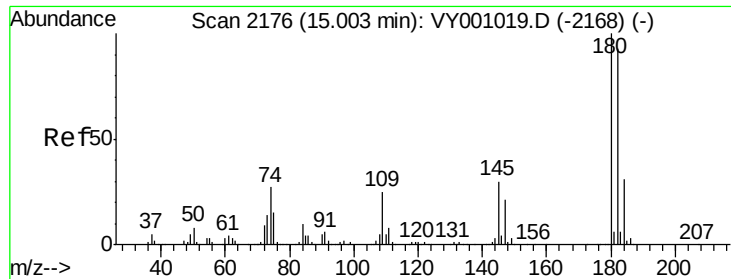
apatel
 12/31/2019 11:47:46 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.928 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001119.D
 Acq: 30 Dec 2019 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	46.3	138.9
157	120.7	58.1	174.4





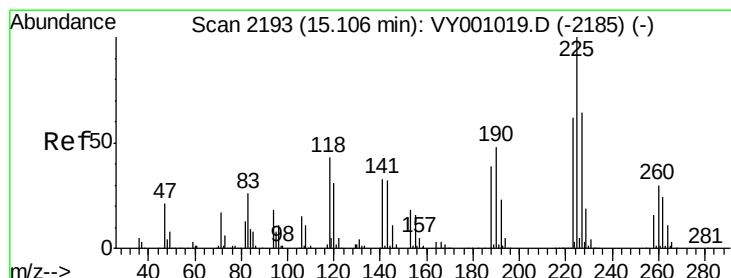
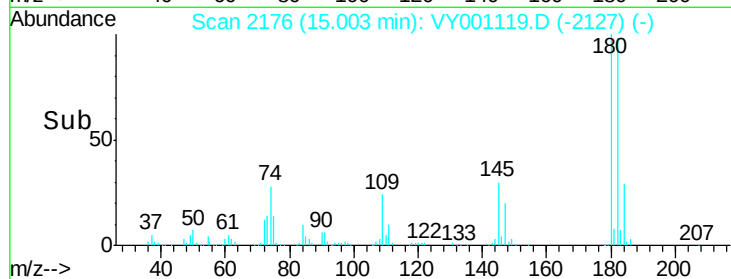
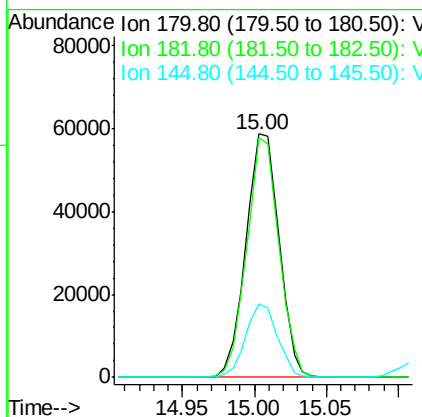
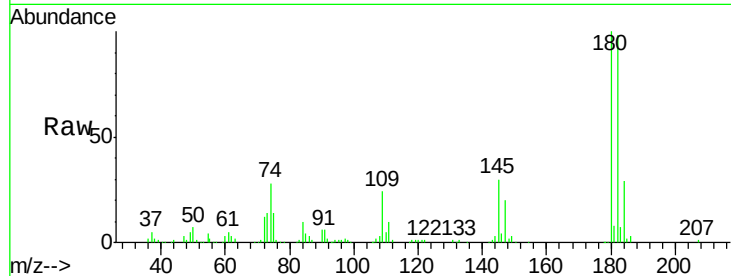
#93
 1,2,4-Trichlorobenzene
 Concen: 21.387 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001119.D
 Acq: 30 Dec 2019 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1230SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.8	140.3
145	29.2	15.3	45.9

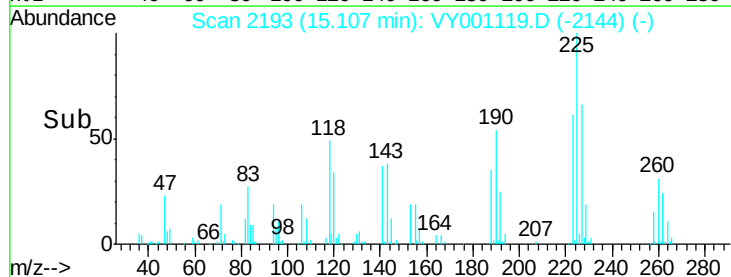
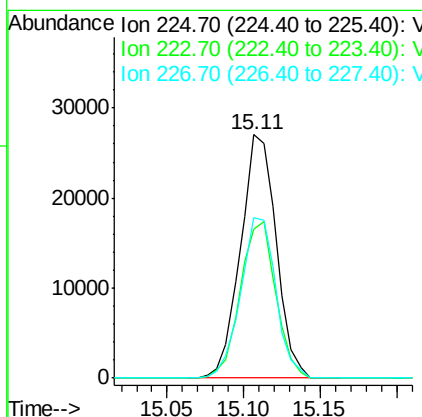
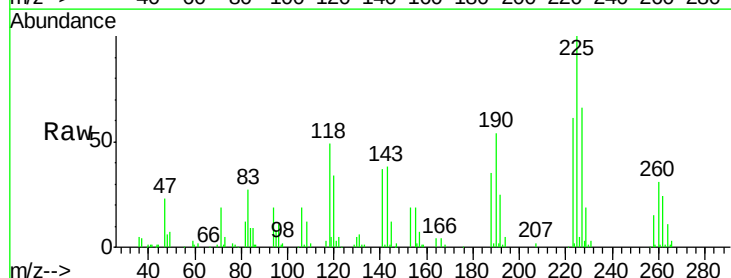
Manual Integrations
 APPROVED

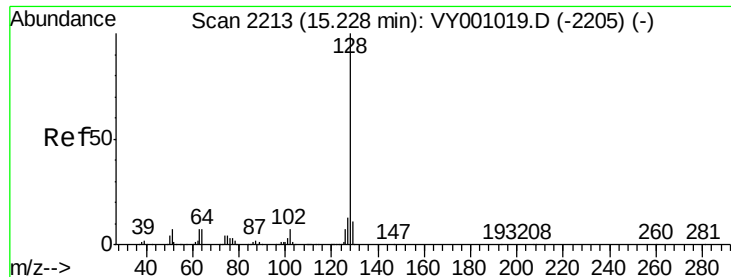
apatel
 12/31/2019 11:47:46 AM



#94
 Hexachlorobutadiene
 Concen: 21.019 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001119.D
 Acq: 30 Dec 2019 12:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.6	94.8
227	65.0	31.9	95.5





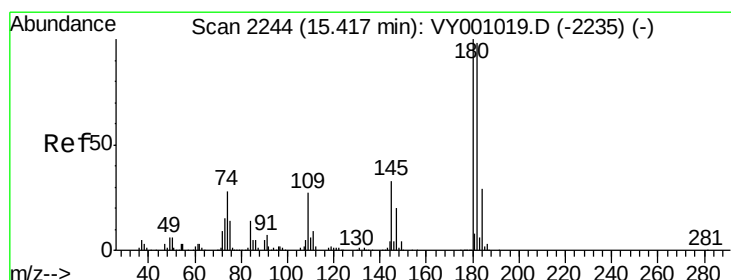
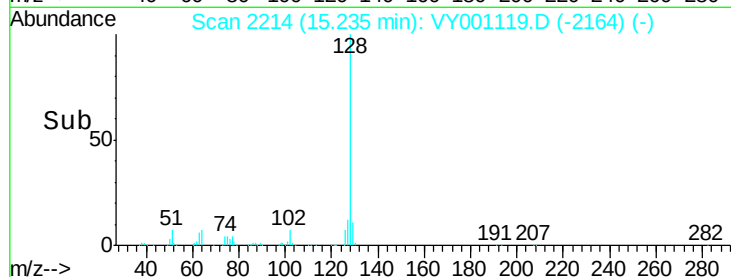
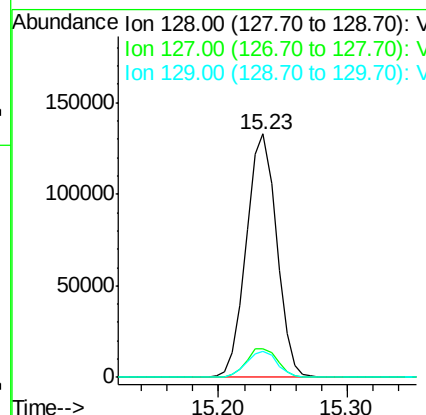
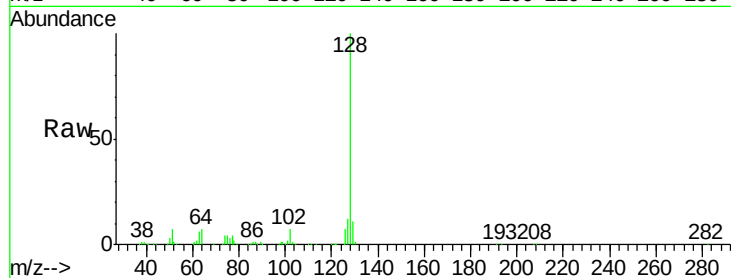
#95
Naphthalene
Concen: 20.980 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	215864		
127	12.4		9.9	14.9
129	10.9		8.6	13.0

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:46 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.380 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001119.D
Acq: 30 Dec 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	83420		
182	95.6		47.9	143.8
145	32.6		16.3	48.9

