

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122419\
 Data File : VY001036.D
 Acq On : 24 Dec 2019 10:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/26/2019 12:29:55 PM

Quant Time: Dec 25 03:35:18 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	321098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	556969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	499262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	225346	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	157303	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
35) Dibromofluoromethane	7.73	113	164039	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.18	98	689329	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
62) 4-Bromofluorobenzene	12.48	95	224970	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	143388	51.247	ug/l	99
3) Chloromethane	2.11	50	192966	50.673	ug/l	96
4) Vinyl Chloride	2.26	62	193584	52.346	ug/l	100
5) Bromomethane	2.65	94	121419	52.596	ug/l	96
6) Chloroethane	2.80	64	120592	52.355	ug/l	92
7) Trichlorofluoromethane	3.13	101	277572	51.173	ug/l	96
8) Diethyl Ether	3.54	74	113119	51.089	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	182882	51.327	ug/l	96
10) Methyl Iodide	4.10	142	258355	52.481	ug/l	99
11) Tert butyl alcohol	4.96	59	79703	228.892	ug/l	100
12) 1,1-Dichloroethene	3.88	96	188834	52.348	ug/l	98
13) Acrolein	3.74	56	106301	246.383	ug/l	99
14) Allyl chloride	4.49	41	292867	52.262	ug/l	99
15) Acrylonitrile	5.17	53	282663	255.439	ug/l	99
16) Acetone	3.96	43	153838	210.860	ug/l	94
17) Carbon Disulfide	4.20	76	618163	52.442	ug/l	97
18) Methyl Acetate	4.48	43	136121	48.631	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	477260	51.261	ug/l	98
20) Methylene Chloride	4.72	84	211531	49.259	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	210589	52.676	ug/l	95
22) Diisopropyl ether	6.13	45	578974	51.115	ug/l	98
23) Vinyl Acetate	6.07	43	1834755	256.485	ug/l	99
24) 1,1-Dichloroethane	6.02	63	345045	51.548	ug/l	96
25) 2-Butanone	7.00	43	310503	242.264	ug/l	99
26) 2,2-Dichloropropane	6.99	77	287332	52.248	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	229591	52.273	ug/l	99
28) Bromochloromethane	7.34	49	139393	53.372	ug/l	98
29) Tetrahydrofuran	7.36	42	222449	243.997	ug/l	99
30) Chloroform	7.52	83	327160	51.689	ug/l	99
31) Cyclohexane	7.79	56	348088	49.454	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	277437	51.384	ug/l	99
36) 1,1-Dichloropropene	7.92	75	279828	52.664	ug/l	99
37) Ethyl Acetate	7.08	43	145534	49.466	ug/l	99
38) Carbon Tetrachloride	7.91	117	245071	52.643	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122419\
 Data File : VY001036.D
 Acq On : 24 Dec 2019 10:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/26/2019 12:29:55 PM

Quant Time: Dec 25 03:35:18 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	378080	53.582	ug/l	98
40) Benzene	8.17	78	839519	52.372	ug/l	98
41) Methacrylonitrile	7.32	41	71734m	56.237	ug/l	
42) 1,2-Dichloroethane	8.24	62	199617	52.086	ug/l	100
43) Isopropyl Acetate	8.28	43	273075	50.139	ug/l	99
44) Trichloroethene	8.94	130	219721	52.023	ug/l	99
45) 1,2-Dichloropropane	9.22	63	207567	51.616	ug/l	99
46) Dibromomethane	9.31	93	107290	51.757	ug/l	98
47) Bromodichloromethane	9.50	83	247129	51.466	ug/l	95
48) Methyl methacrylate	9.30	41	122632	52.764	ug/l	99
49) 1,4-Dioxane	9.30	88	30524	1006.592	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	714114	251.564	ug/l	99
52) Toluene	10.24	92	516353	52.335	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	275858	52.935	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	332128	53.002	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	159719	51.610	ug/l	96
56) Ethyl methacrylate	10.51	69	230353	52.300	ug/l	100
57) 1,3-Dichloropropane	10.79	76	281999	51.987	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	400390	235.360	ug/l	99
59) 2-Hexanone	10.83	43	504219	256.703	ug/l	100
60) Dibromochloromethane	10.99	129	174674	52.840	ug/l	100
61) 1,2-Dibromoethane	11.09	107	156363	52.837	ug/l	99
64) Tetrachloroethene	10.72	164	224490	51.968	ug/l	99
65) Chlorobenzene	11.52	112	538141	51.963	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	181229	53.028	ug/l	99
67) Ethyl Benzene	11.59	91	982510	52.745	ug/l	99
68) m/p-Xylenes	11.70	106	746174	105.499	ug/l	100
69) o-Xylene	12.03	106	353648	53.149	ug/l	99
70) Styrene	12.04	104	606608	53.616	ug/l	99
71) Bromoform	12.20	173	101929	53.563	ug/l #	99
73) Isopropylbenzene	12.33	105	937260	53.747	ug/l	99
74) N-amyl acetate	12.14	43	233682	51.009	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	182433	53.105	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	123415m	44.425	ug/l	
77) Bromobenzene	12.61	156	209603	53.443	ug/l	98
78) n-propylbenzene	12.67	91	1147827	54.019	ug/l	100
79) 2-Chlorotoluene	12.75	91	619903	52.828	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	768853	53.788	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	70764	54.327	ug/l	96
82) 4-Chlorotoluene	12.85	91	640732	52.570	ug/l	99
83) tert-Butylbenzene	13.07	119	652308	54.364	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	767776	53.452	ug/l	99
85) sec-Butylbenzene	13.25	105	956359	54.065	ug/l	99
86) p-Isopropyltoluene	13.37	119	830534	54.261	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	401540	53.308	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	401670	52.861	ug/l	99
89) n-Butylbenzene	13.69	91	834857	54.212	ug/l	99
90) Hexachloroethane	13.95	117	156015	54.102	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	367117	52.836	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	29777	51.808	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122419\
Data File : VY001036.D
Acq On : 24 Dec 2019 10:23
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
12/26/2019 12:29:55 PM

Quant Time: Dec 25 03:35:18 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	249098	53.113	ug/l	99
94) Hexachlorobutadiene	15.11	225	118358	53.033	ug/l	99
95) Naphthalene	15.23	128	580192	52.604	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	220640	52.753	ug/l	99

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

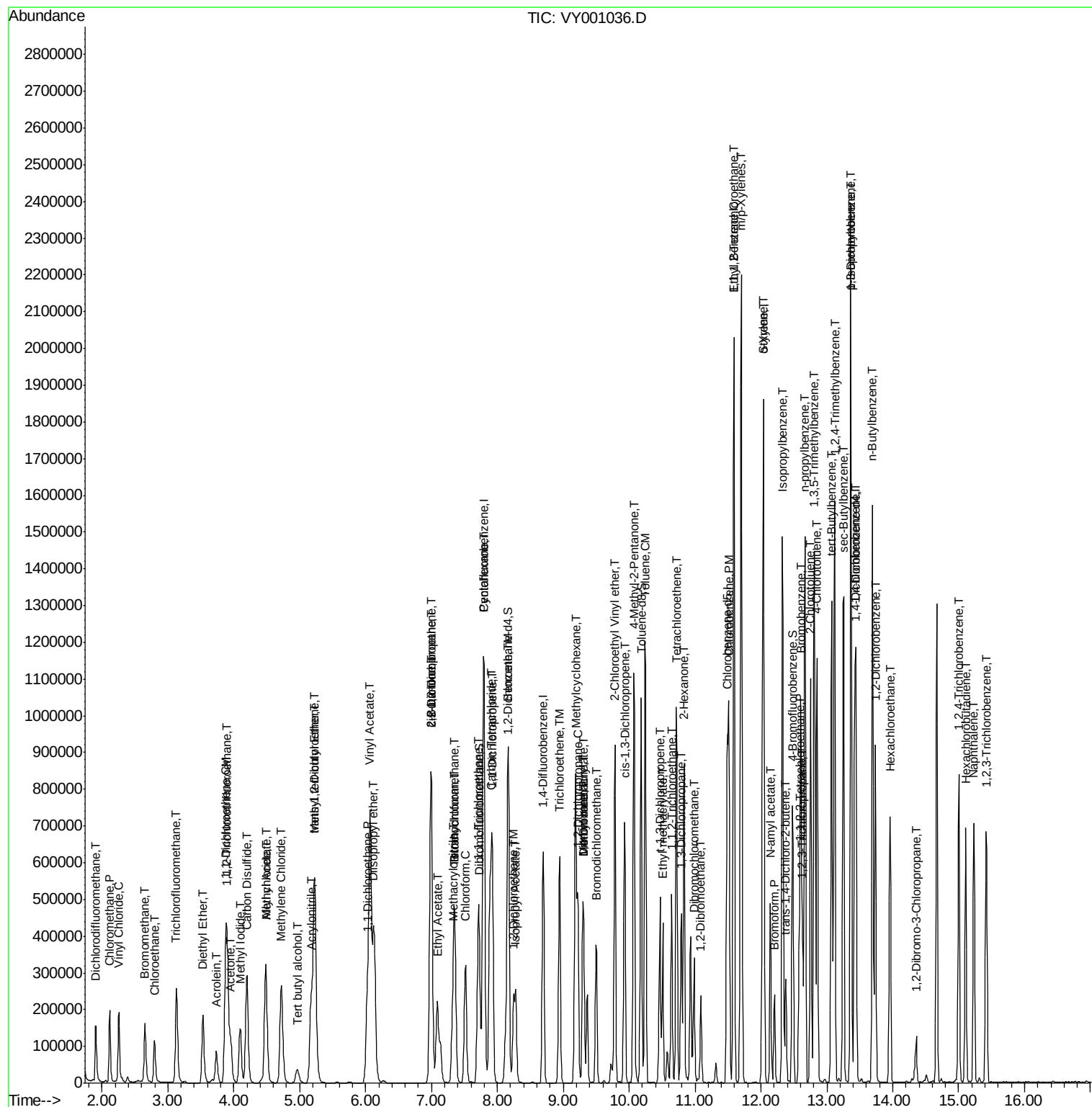
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY122419\
Data File : VY001036.D
Acq On : 24 Dec 2019 10:23
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

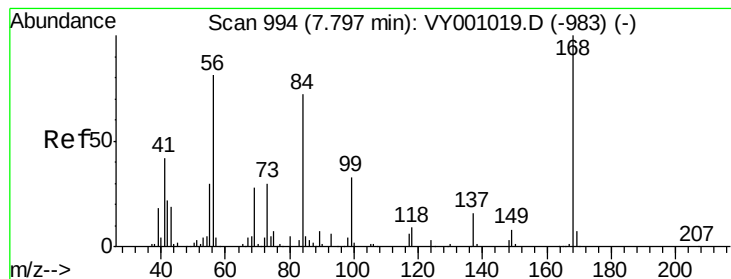
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
12/26/2019 12:29:55 PM

Quant Time: Dec 25 03:35:18 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: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 321098

Ion Ratio Lower Upper

168 100

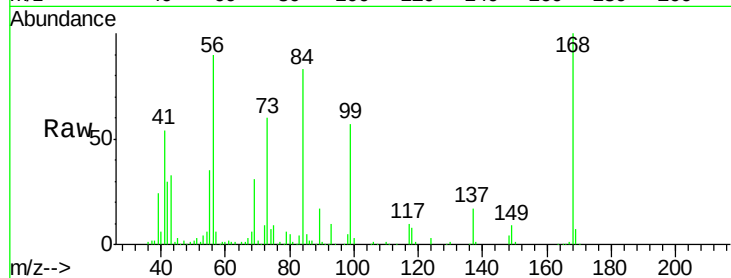
99 56.8 44.0 66.0

Manual Integrations

APPROVED

apatel

12/26/2019 12:29:55 PM



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

150000

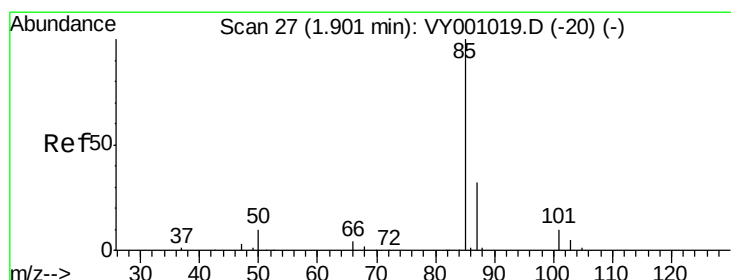
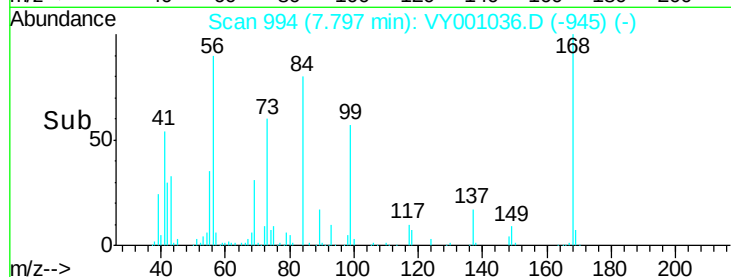
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 51.247 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY001036.D

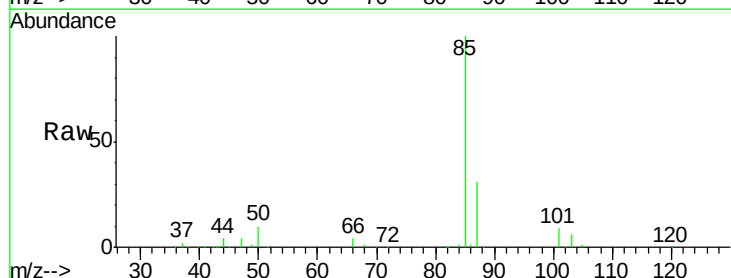
Acq: 24 Dec 2019 10:23

Tgt Ion: 85 Resp: 143388

Ion Ratio Lower Upper

85 100

87 31.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY001019.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY001019.D (-20) (-)

1.91

100000

80000

60000

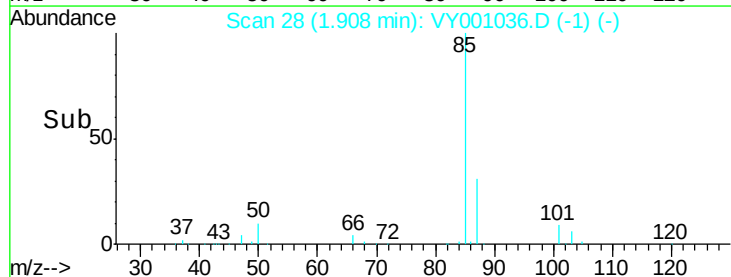
40000

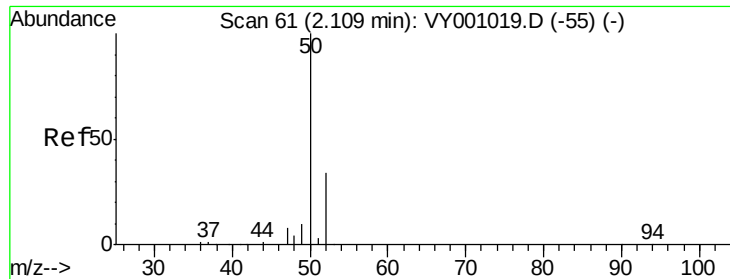
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 50.673 ug/l

RT: 2.11 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 192966

Ion Ratio Lower Upper

50 100

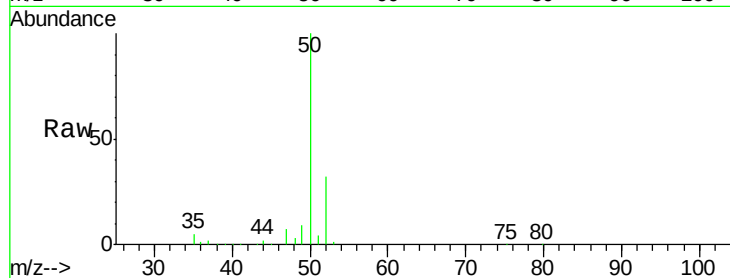
52 31.8 27.1 40.7

Manual Integrations

APPROVED

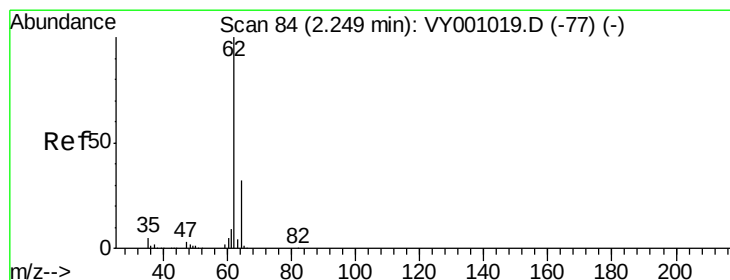
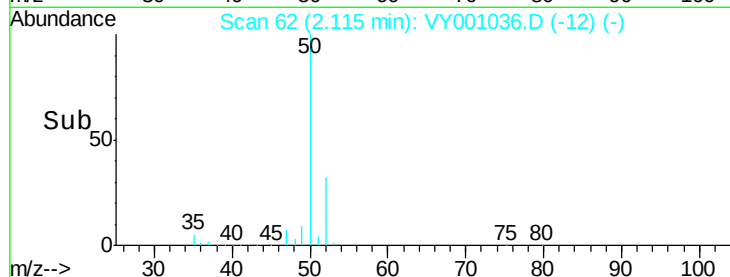
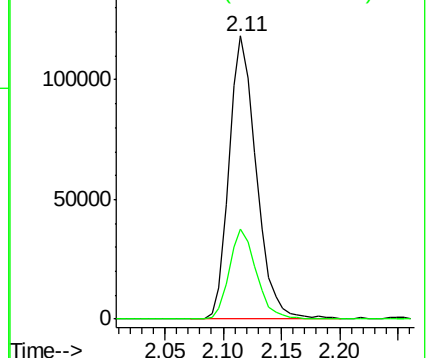
apatel

12/26/2019 12:29:55 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 52.346 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001036.D

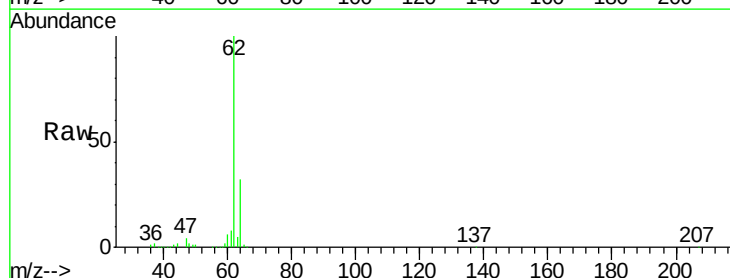
Acq: 24 Dec 2019 10:23

Tgt Ion: 62 Resp: 193584

Ion Ratio Lower Upper

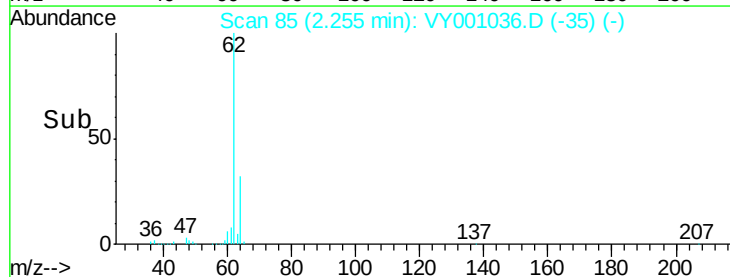
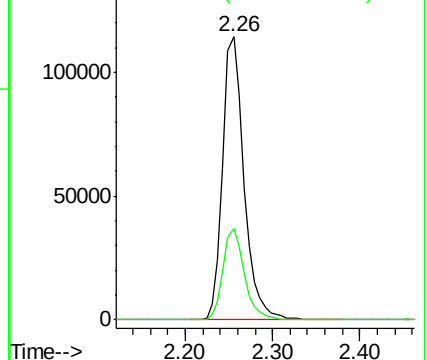
62 100

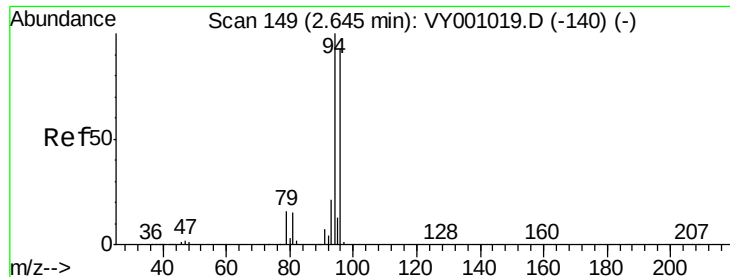
64 32.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 52.596 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 121419

Ion Ratio Lower Upper

94 100

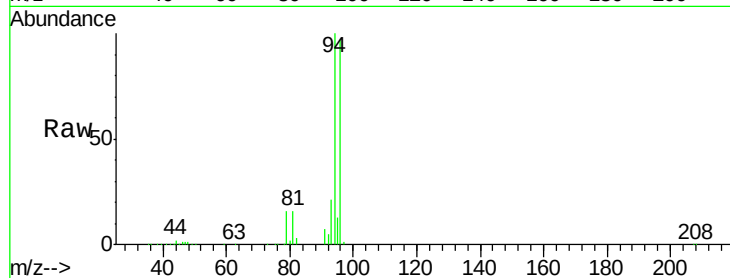
96 96.9 74.2 111.4

Manual Integrations

APPROVED

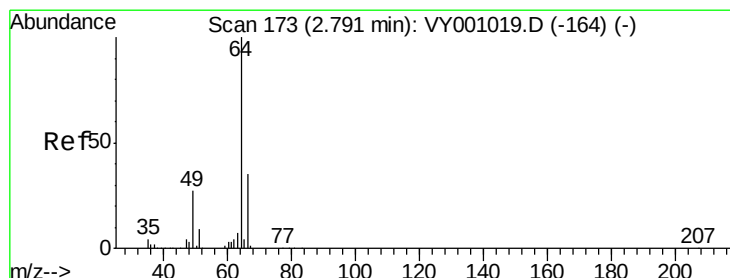
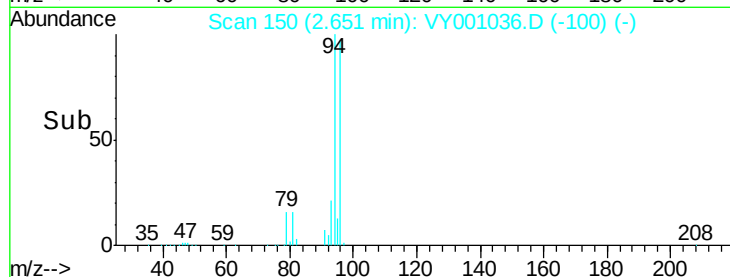
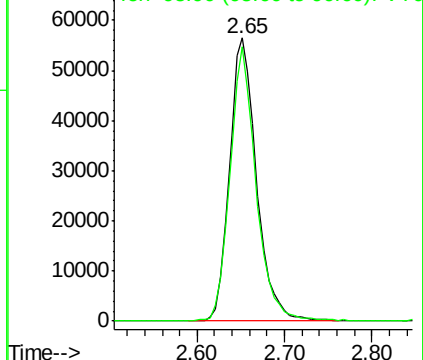
apatel

12/26/2019 12:29:55 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 52.355 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY001036.D

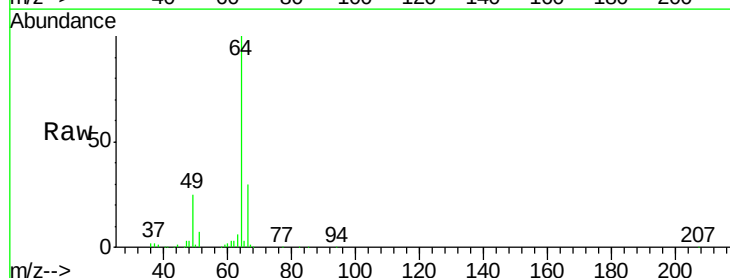
Acq: 24 Dec 2019 10:23

Tgt Ion: 64 Resp: 120592

Ion Ratio Lower Upper

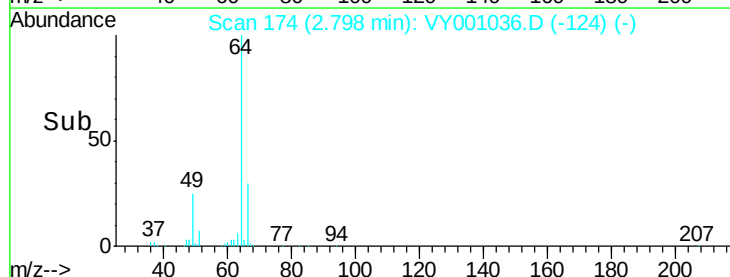
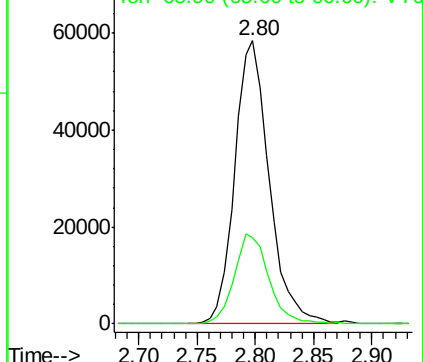
64 100

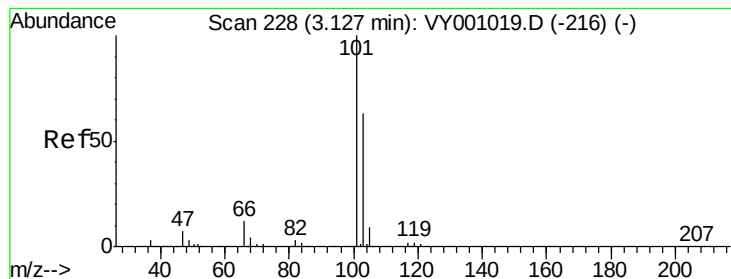
66 30.3 27.8 41.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

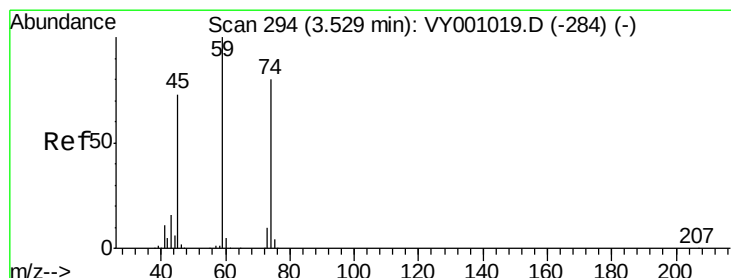
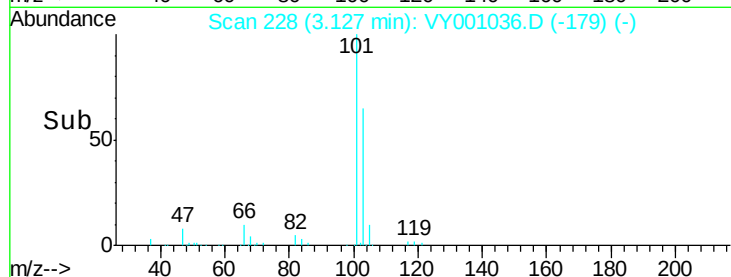
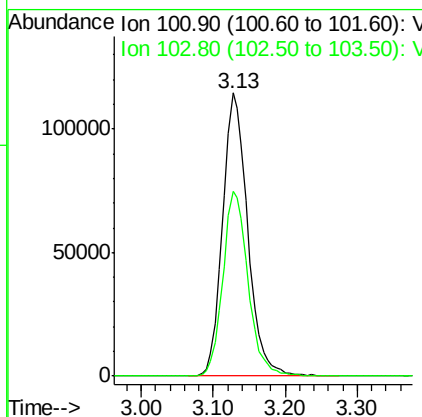
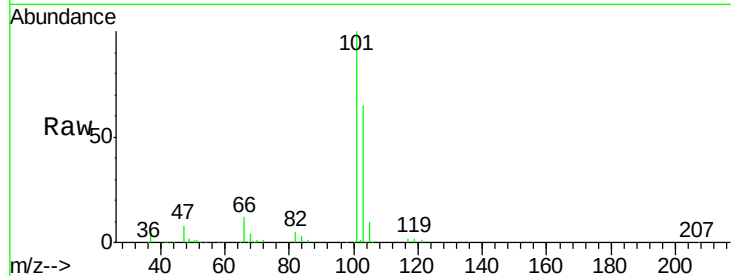
Trichlorofluoromethane
Concen: 51.173 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	277572		
103	65.5	50.2	50.2	75.2

Manual Integrations
APPROVED

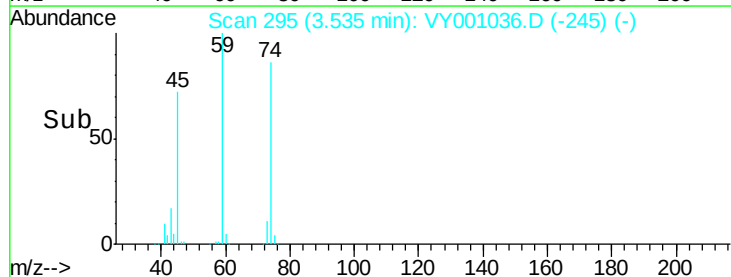
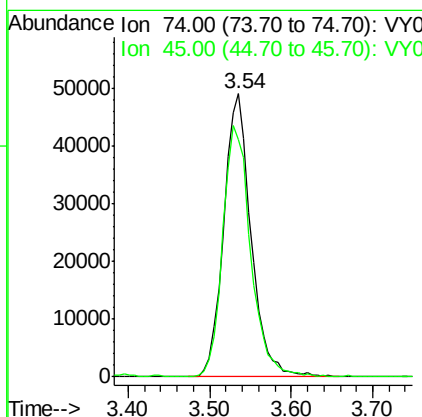
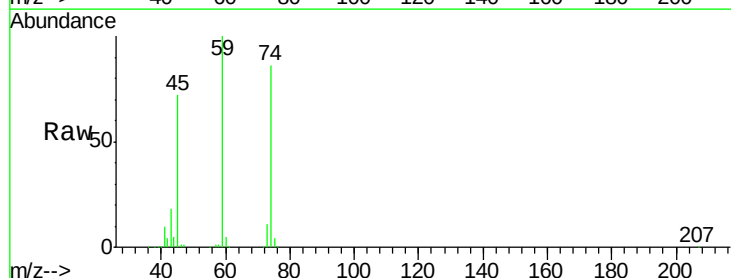
apatel
12/26/2019 12:29:55 PM

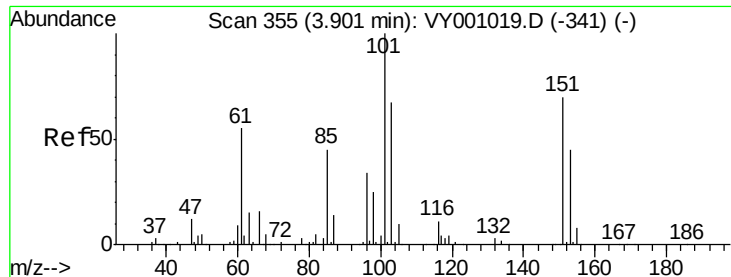


#8

Diethyl Ether
Concen: 51.089 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	113119		
45	91.4	46.4	46.4	139.2





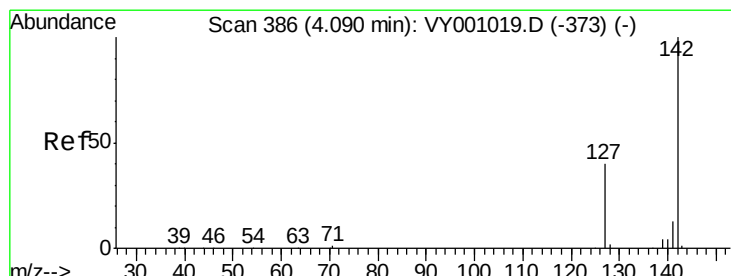
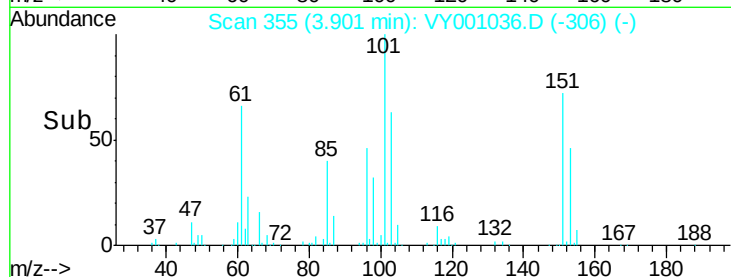
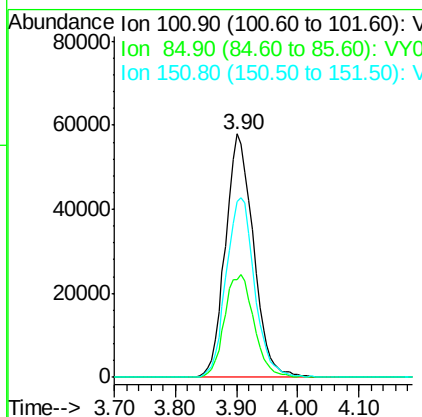
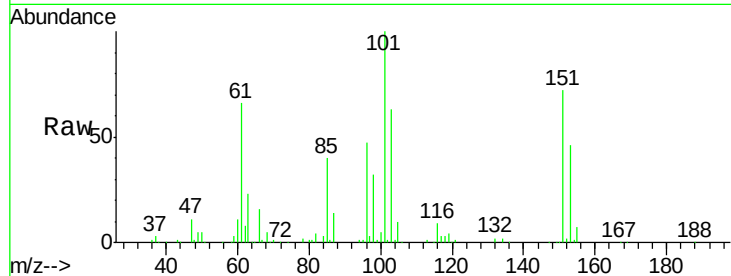
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.327 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	182882		
85	44.3	34.2	51.2	
151	74.8	57.0	85.6	

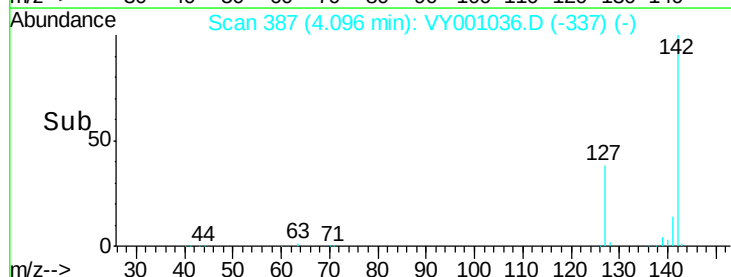
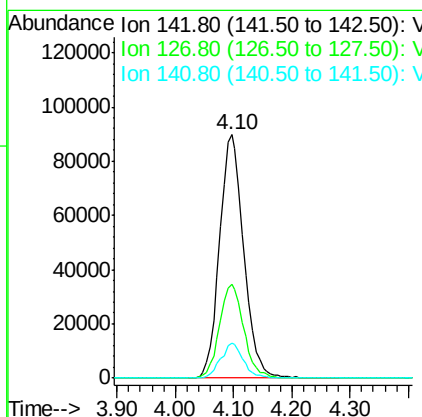
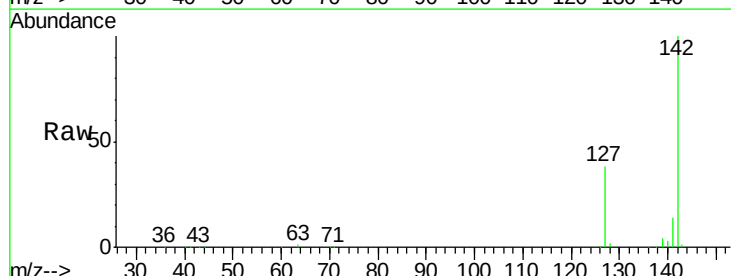
Manual Integrations
APPROVED

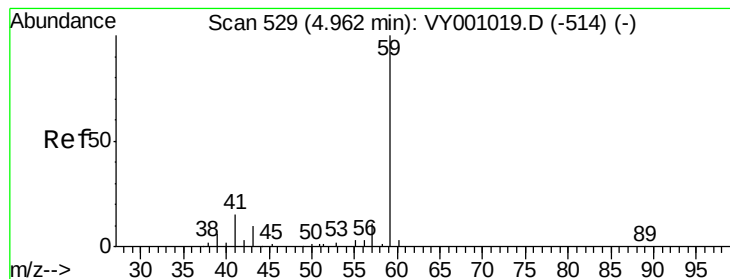
apatel
12/26/2019 12:29:55 PM



#10
Methyl Iodide
Concen: 52.481 ug/l
RT: 4.10 min Scan# 387
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	258355		
127	38.5	31.2	46.8	
141	13.6	11.0	16.4	





#11

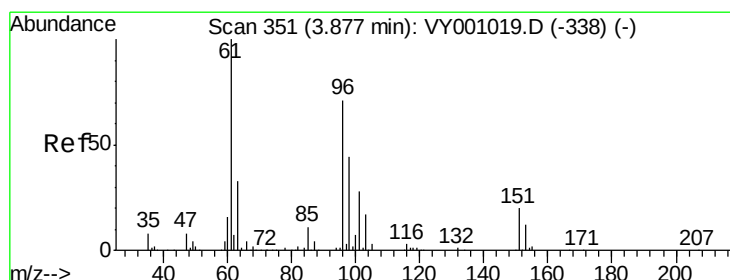
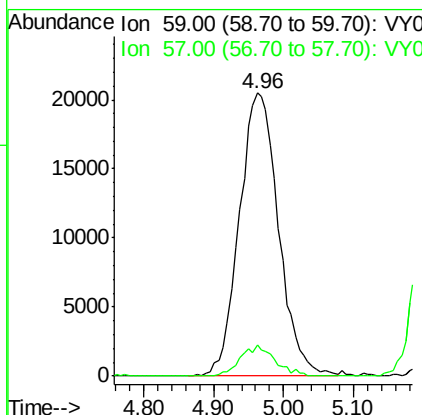
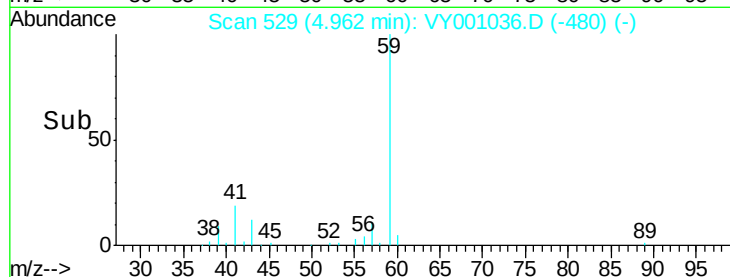
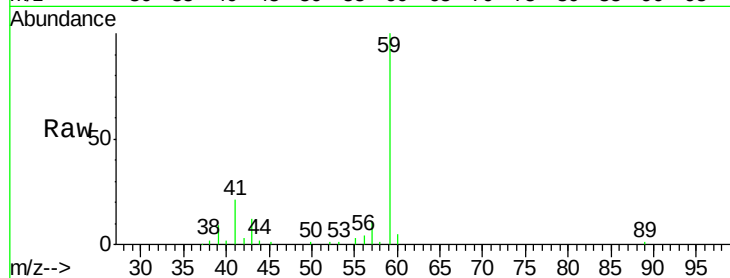
Tert butyl alcohol
Concen: 228.892 ug/l
RT: 4.96 min Scan# 529
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	9.6	Resp	79703	Lower	Upper
59	100								
57		9.6						7.8	11.6

Manual Integrations
APPROVED

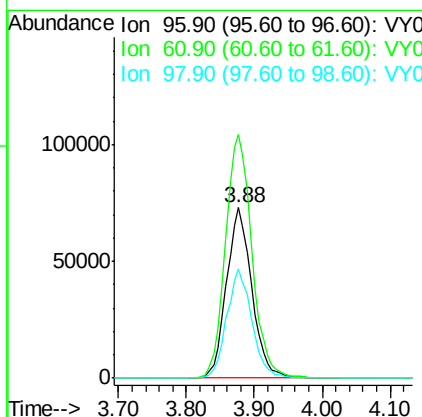
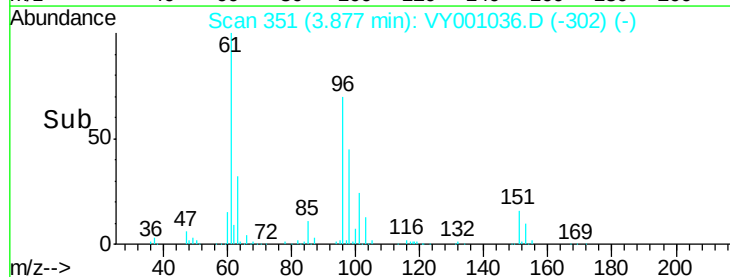
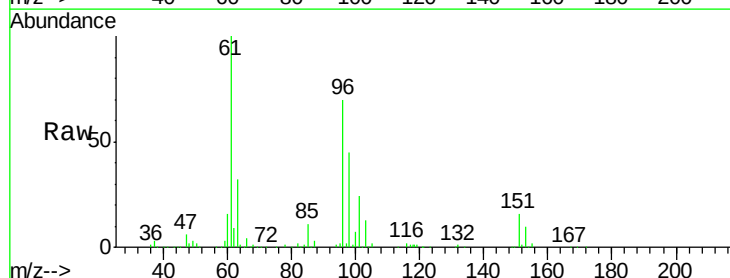
apatel
12/26/2019 12:29:55 PM

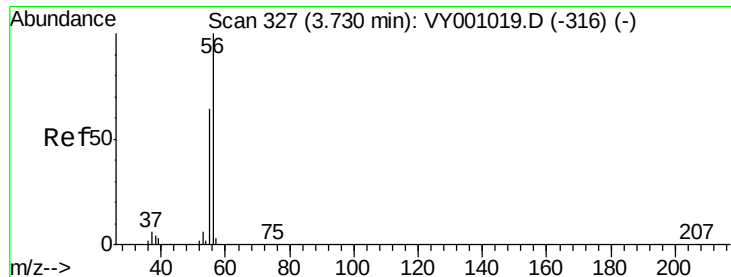


#12

1,1-Dichloroethene
Concen: 52.348 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	96	61	98	Ratio	100	143.0	64.1	Resp	188834	Lower	Upper
96	100										
61		143.0								113.0	169.4
98		64.1								49.8	74.8





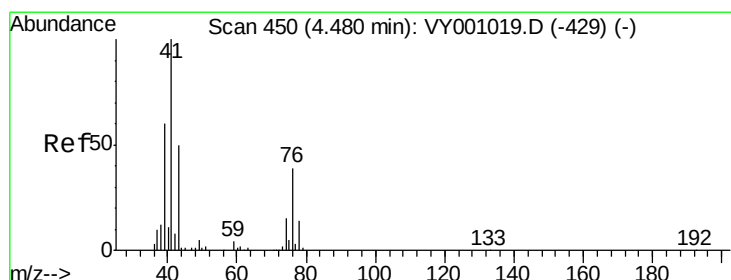
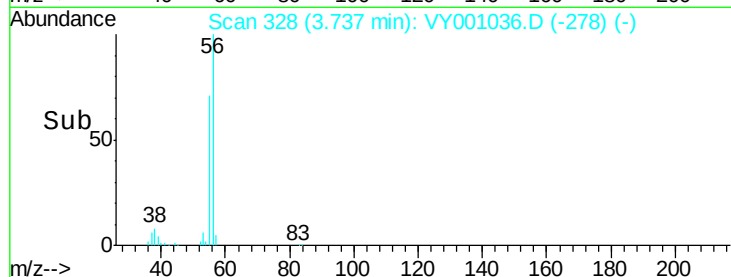
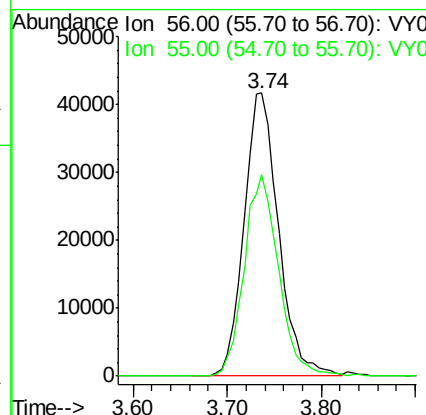
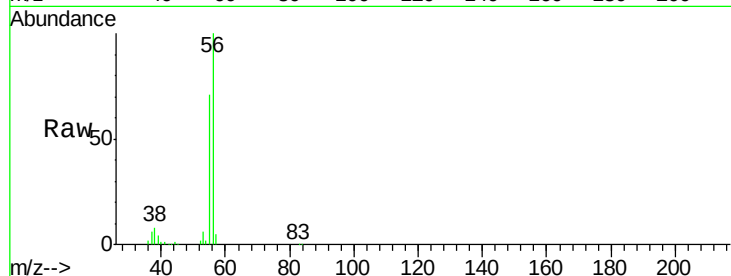
#13
Acrolein
Concen: 246.383 ug/l
RT: 3.74 min Scan# 328
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.7	55.6	83.4	

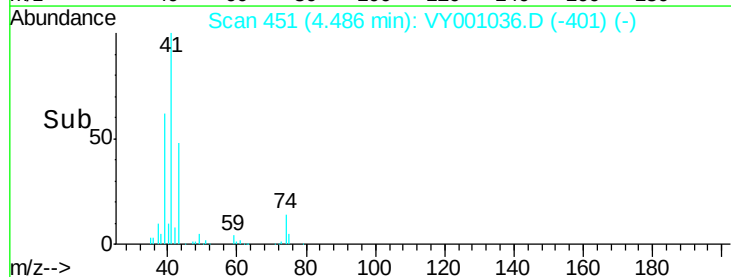
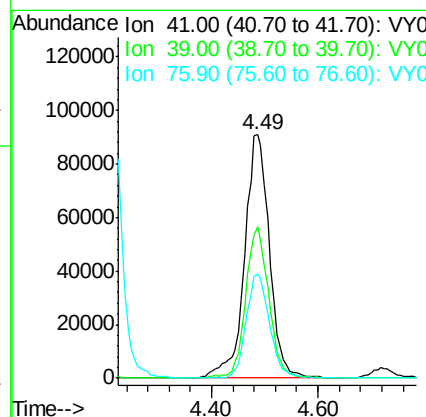
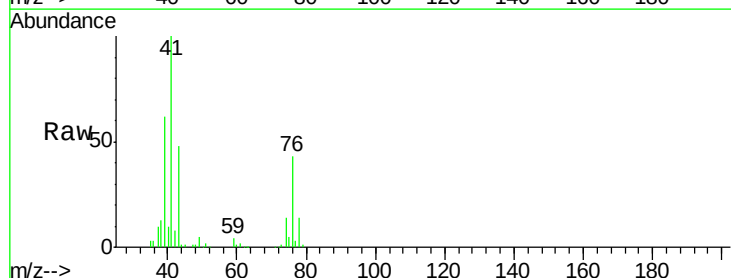
Manual Integrations
APPROVED

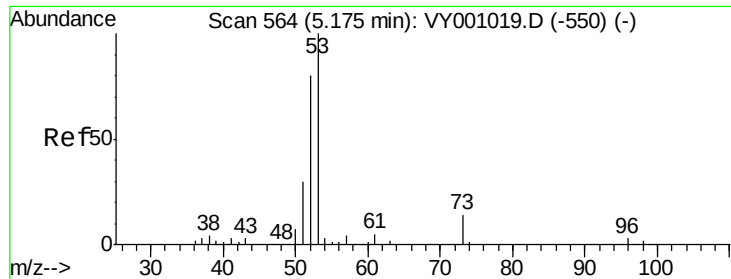
apatel
12/26/2019 12:29:55 PM



#14
Allyl chloride
Concen: 52.262 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.0	46.0	69.0	
76	40.1	32.6	48.8	





#15

Acrylonitrile

Concen: 255.439 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

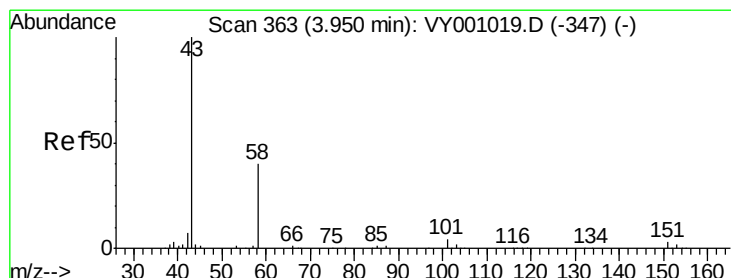
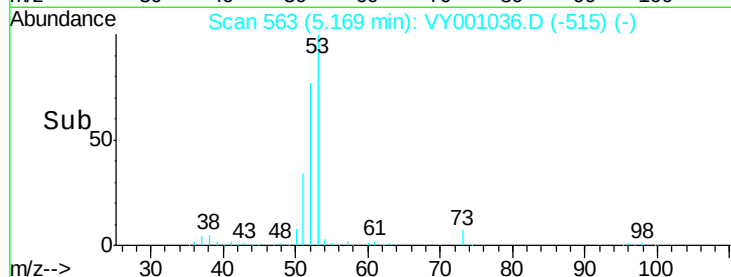
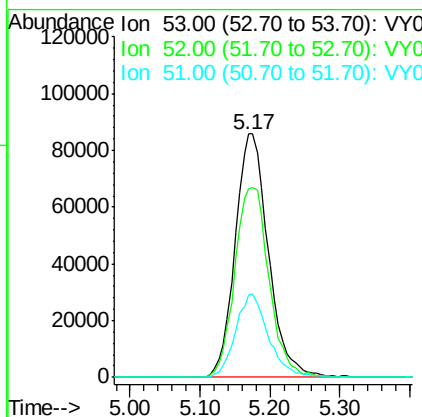
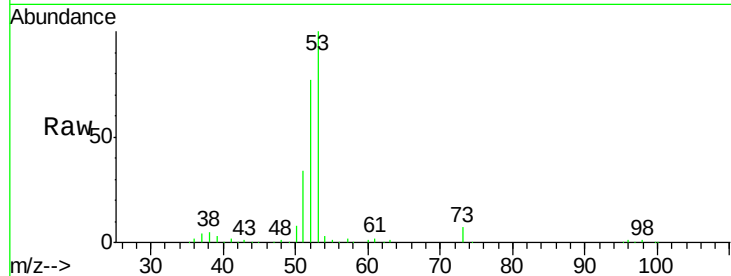
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	282663
Ion Ratio	Lower	Upper	
53	100		
52	80.7	63.6	95.4
51	34.0	26.7	40.1

Manual Integrations
APPROVED

apatel
12/26/2019 12:29:55 PM



#16

Acetone

Concen: 210.860 ug/l

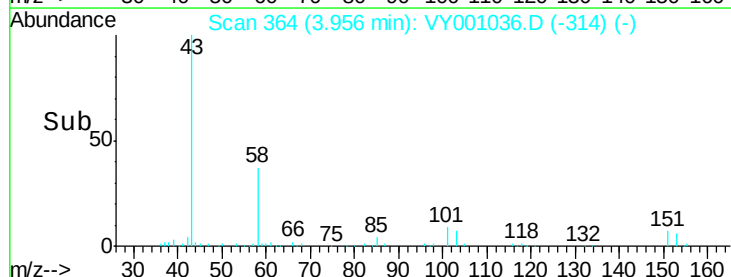
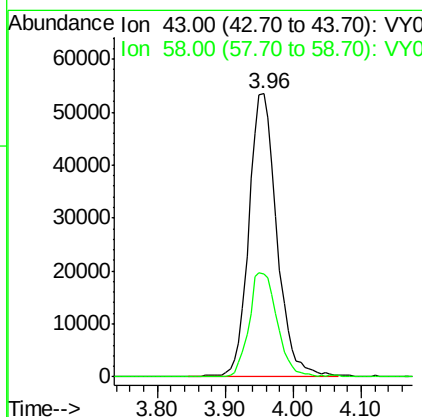
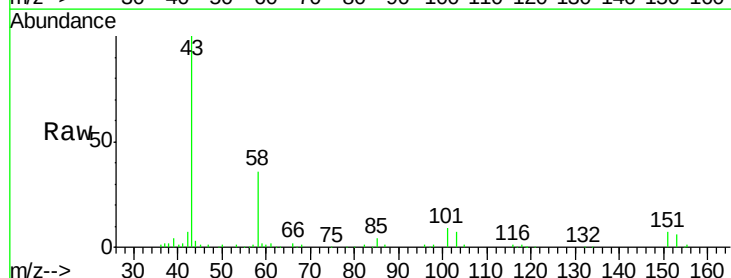
RT: 3.96 min Scan# 364

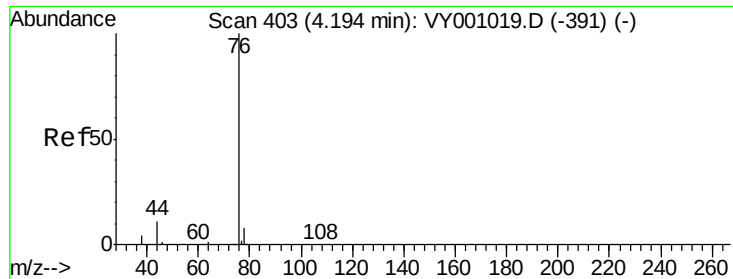
Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Tgt Ion:	43	Resp:	153838
Ion Ratio	Lower	Upper	
43	100		
58	36.4	32.1	48.1





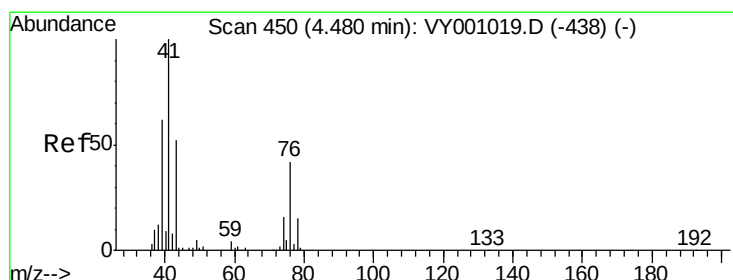
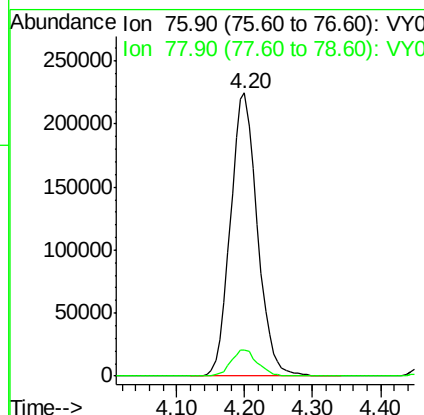
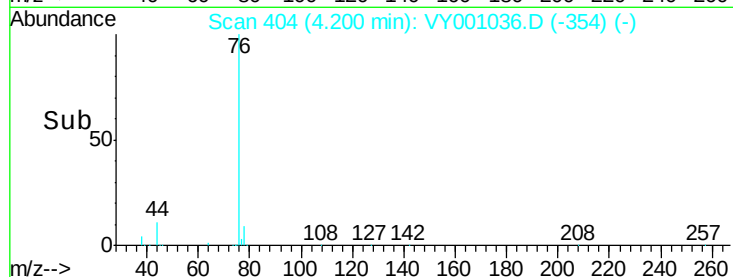
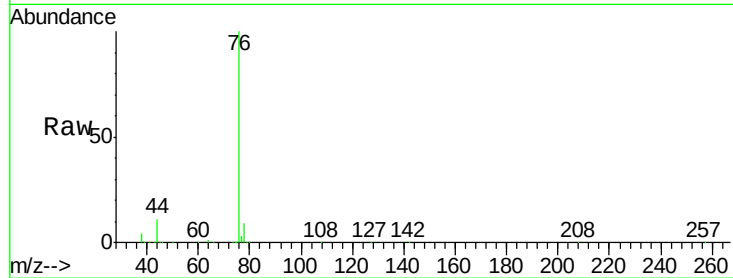
#17
Carbon Disulfide
Concen: 52.442 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.7	10.1

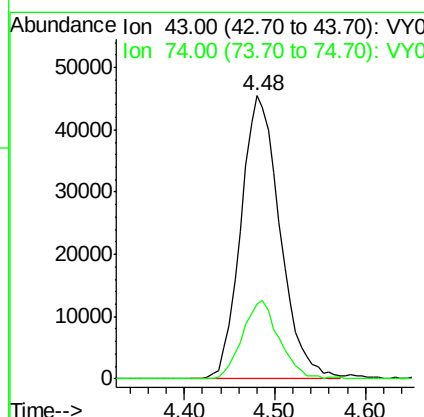
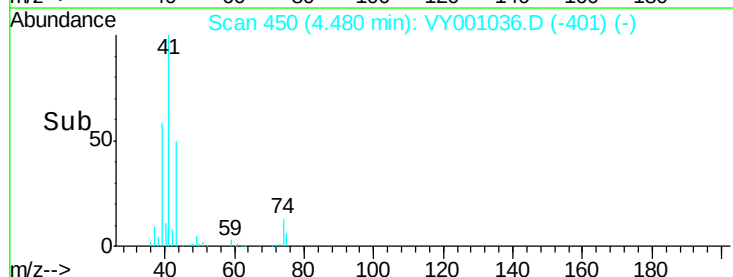
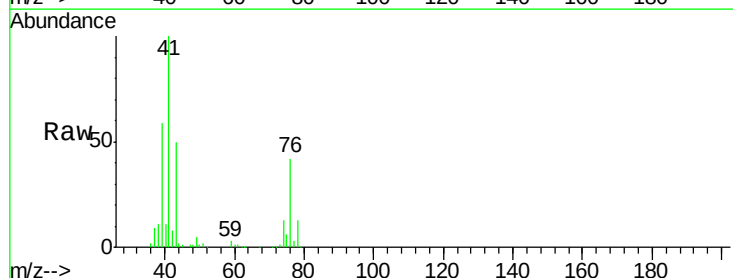
Manual Integrations
APPROVED

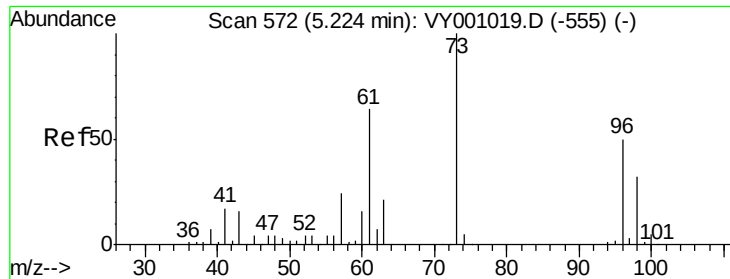
apatel
12/26/2019 12:29:55 PM



#18
Methyl Acetate
Concen: 48.631 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	20.7	31.1





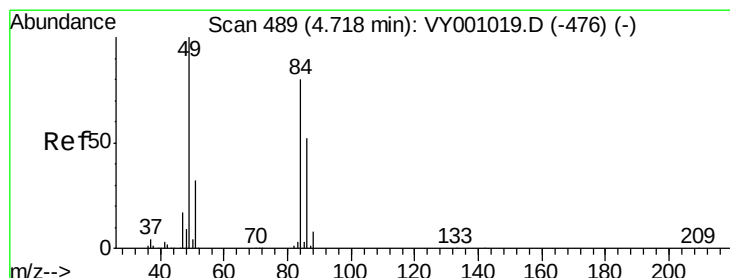
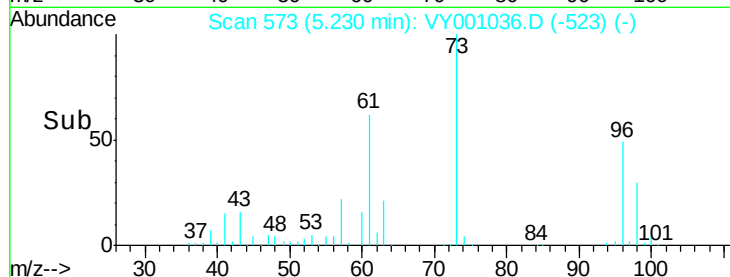
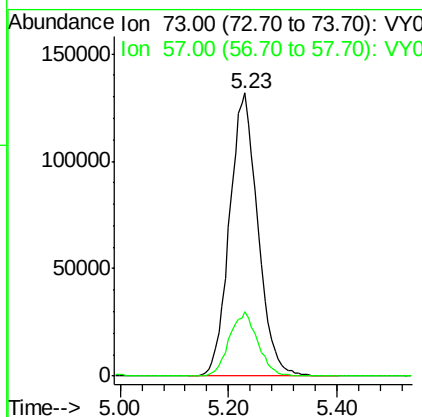
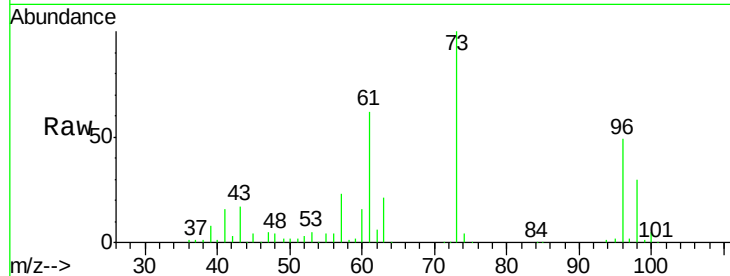
#19
Methyl tert-butyl Ether
Concen: 51.261 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 477260
Ion Ratio Lower Upper
73 100
57 22.7 19.0 28.6

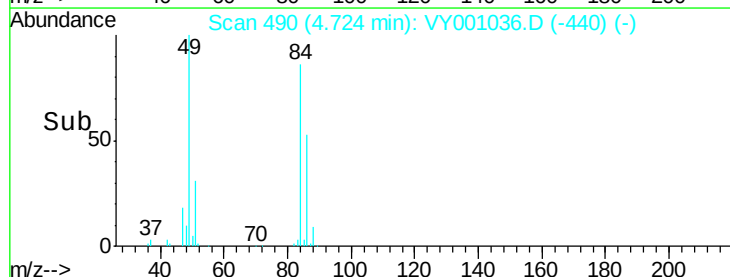
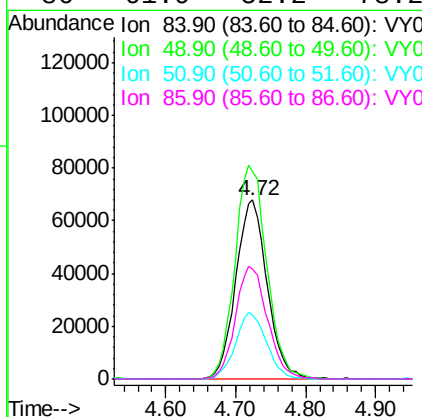
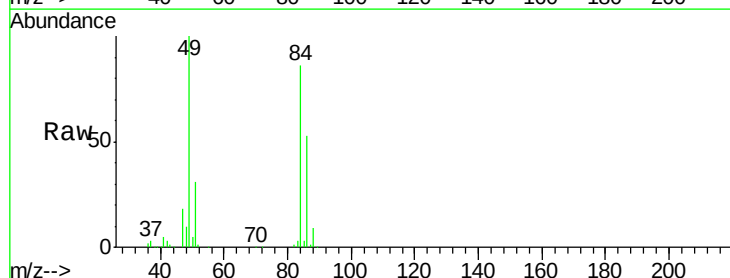
Manual Integrations
APPROVED

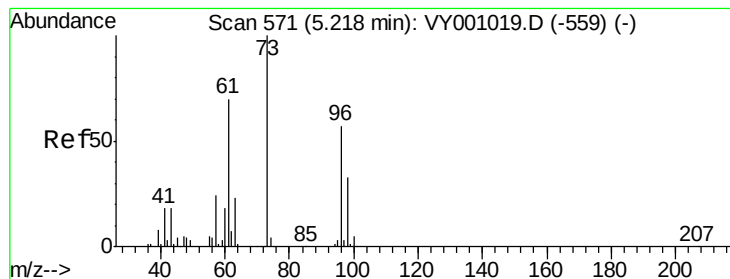
apatel
12/26/2019 12:29:55 PM



#20
Methylene Chloride
Concen: 49.259 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 84 Resp: 211531
Ion Ratio Lower Upper
84 100
49 115.8 99.8 149.6
51 36.0 31.4 47.2
86 61.9 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 52.676 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 210589

Ion Ratio Lower Upper

96 100

61 129.3 98.1 147.1

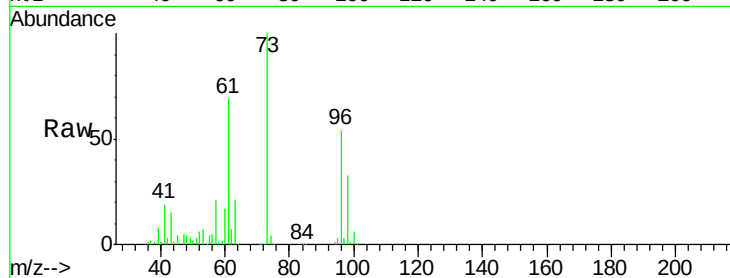
98 62.2 47.2 70.8

Manual Integrations

APPROVED

apatel

12/26/2019 12:29:55 PM

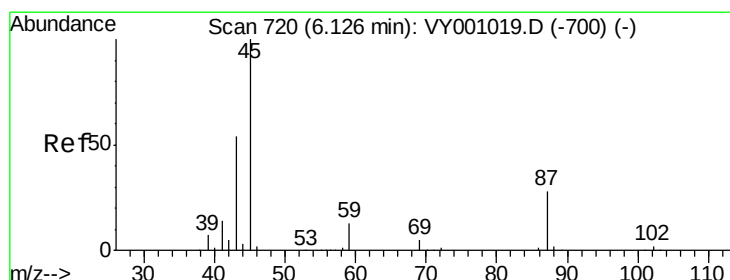
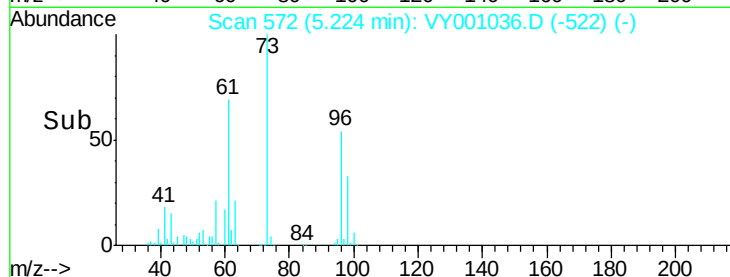
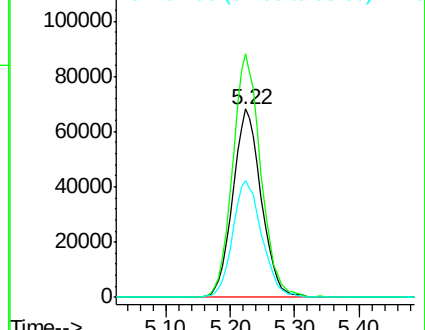


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 51.115 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Tgt Ion: 45 Resp: 578974

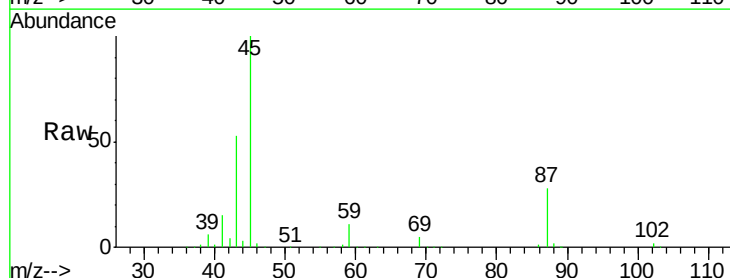
Ion Ratio Lower Upper

45 100

43 53.1 43.6 65.4

87 28.5 23.1 34.7

59 11.1 10.2 15.4



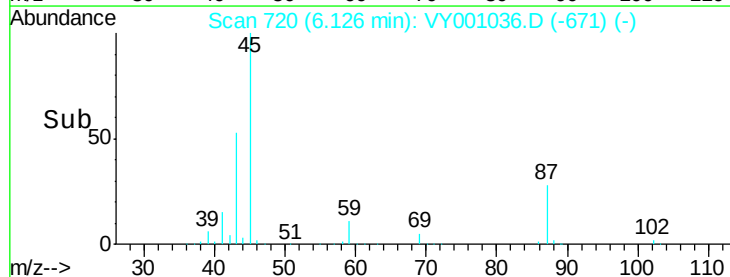
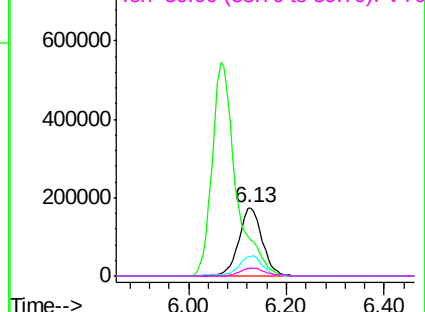
Abundance

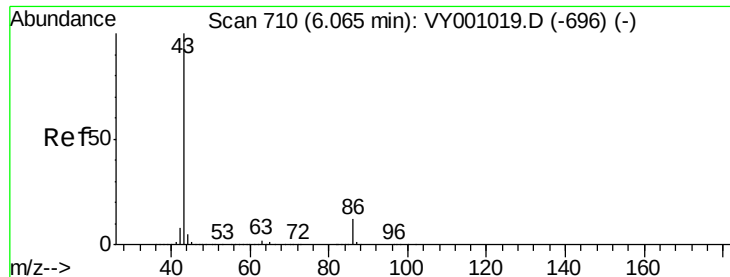
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 256.485 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1834755

Ion Ratio Lower Upper

43 100

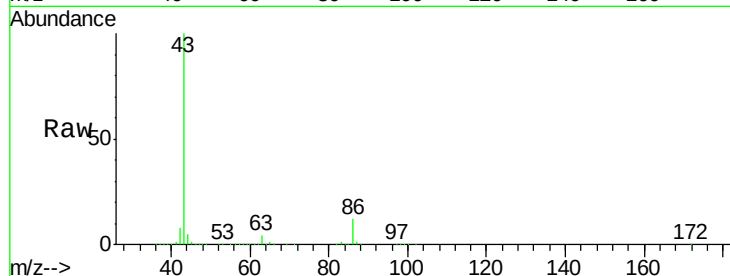
86 11.5 9.5 14.3

Manual Integrations

APPROVED

apatel

12/26/2019 12:29:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

600000

500000

400000

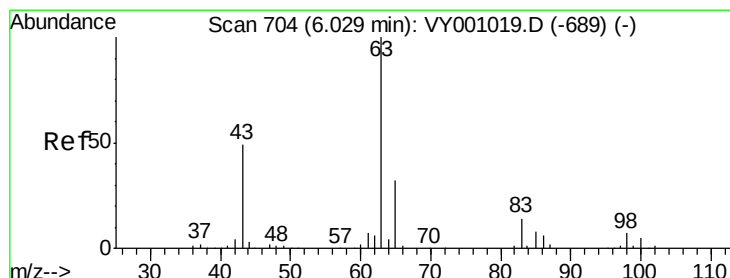
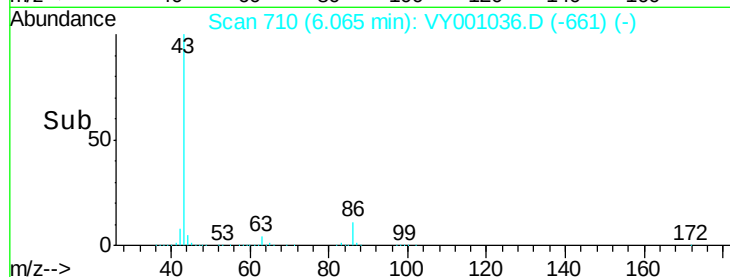
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.548 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

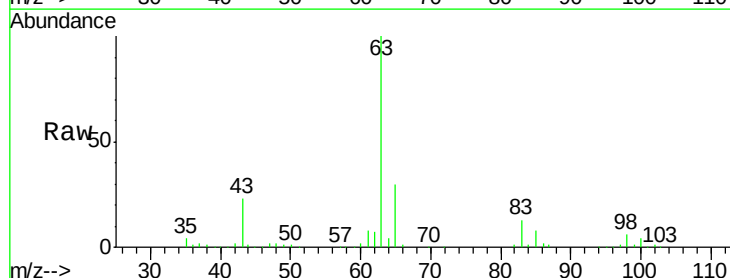
Tgt Ion: 63 Resp: 345045

Ion Ratio Lower Upper

63 100

98 5.7 3.8 11.2

100 4.4 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

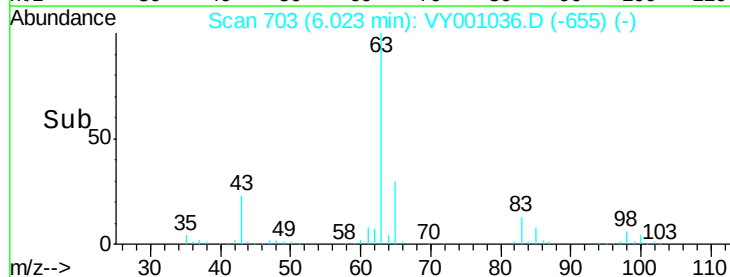
150000

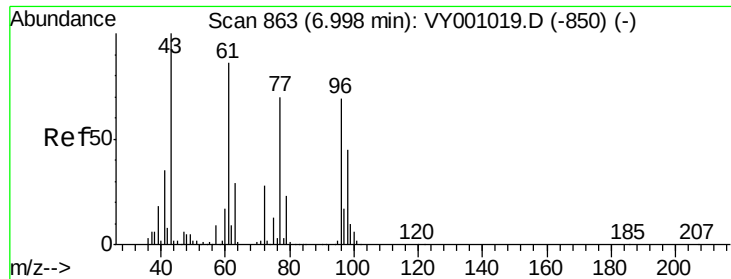
100000

50000

0

Time-->





#25

2-Butanone

Concen: 242.264 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 310503

Ion Ratio Lower Upper

43 100

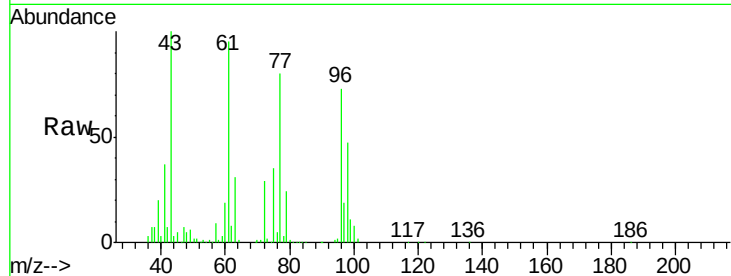
72 28.7 22.4 33.6

Manual Integrations

APPROVED

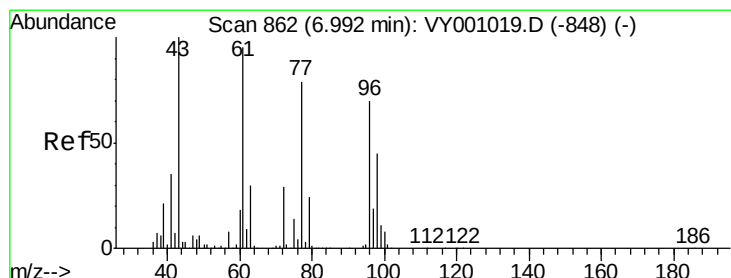
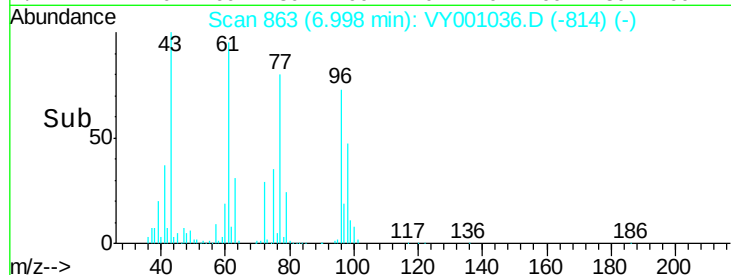
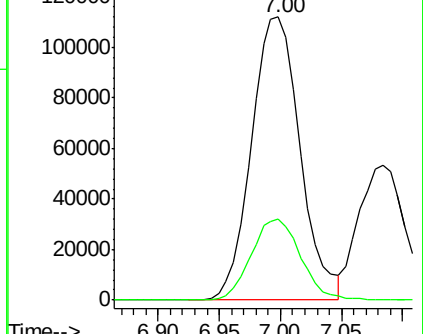
apatel

12/26/2019 12:29:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 52.248 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001036.D

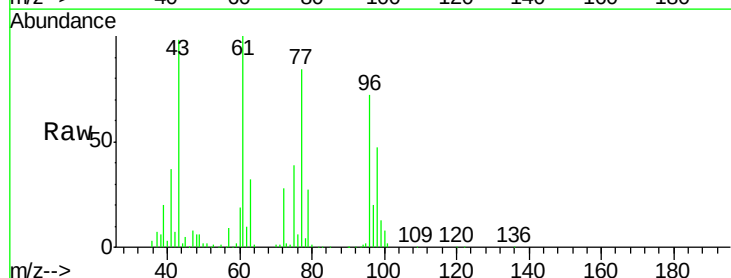
Acq: 24 Dec 2019 10:23

Tgt Ion: 77 Resp: 287332

Ion Ratio Lower Upper

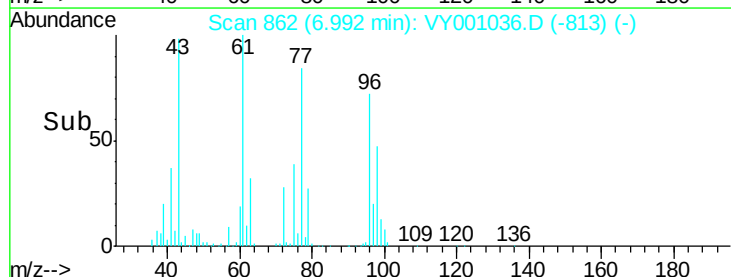
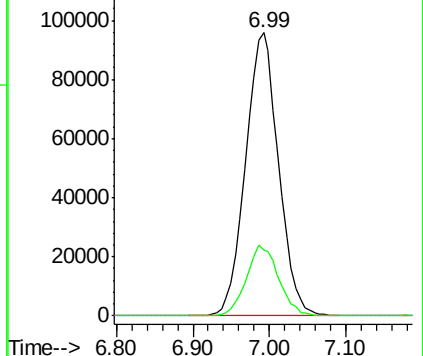
77 100

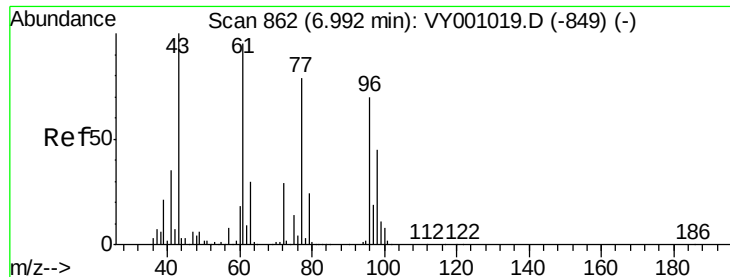
97 24.5 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

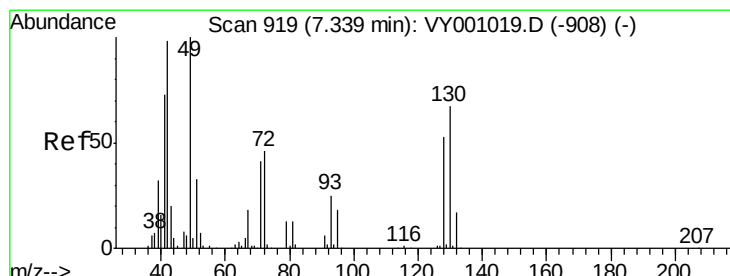
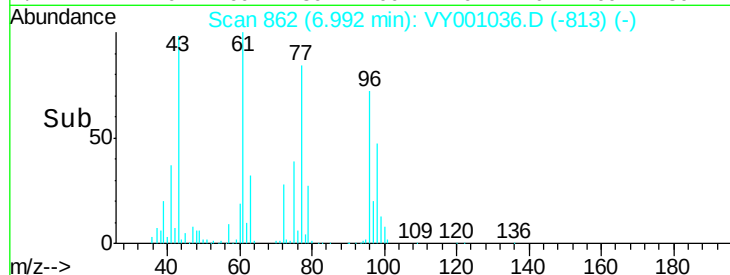
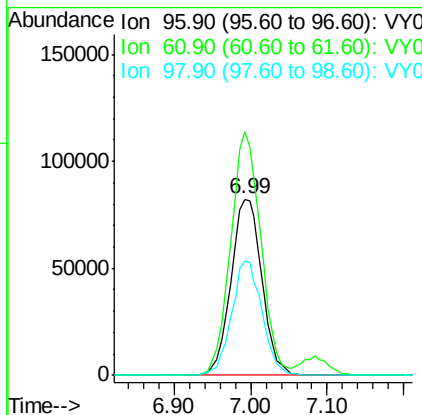
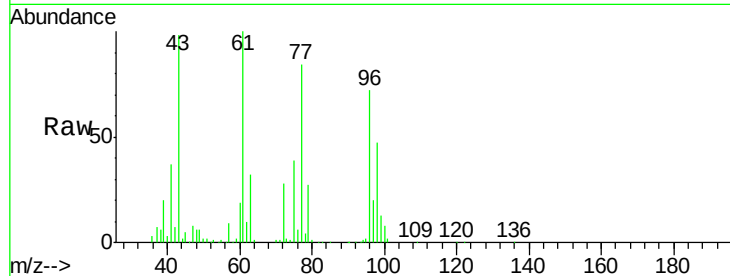
cis-1,2-Dichloroethene
Concen: 52.273 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	229591		
61	135.1	0.0	268.2	
98	63.7	0.0	129.2	

Manual Integrations
APPROVED

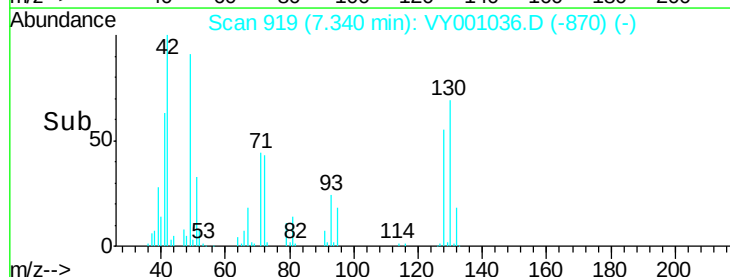
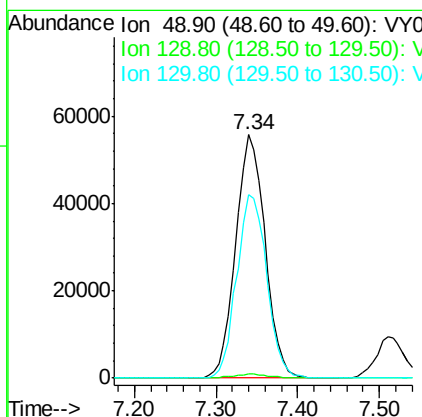
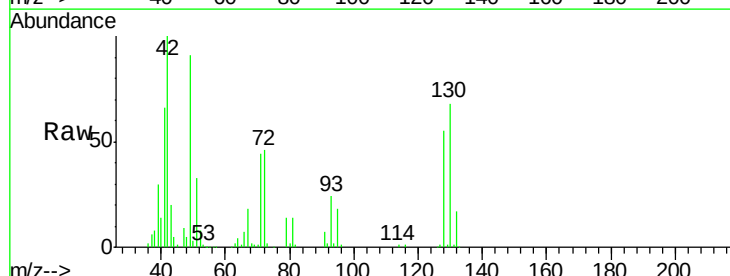
apatel
12/26/2019 12:29:55 PM

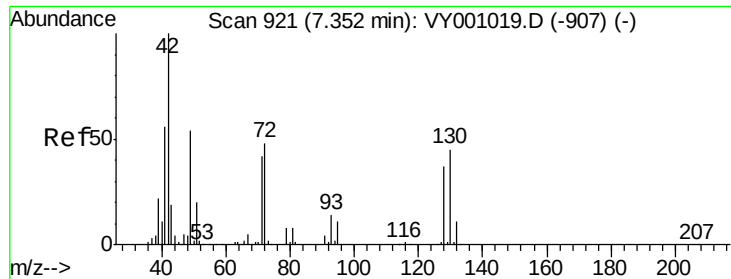


#28

Bromochloromethane
Concen: 53.372 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	139393		
129	1.9	0.0	3.8	
130	76.9	60.4	90.6	





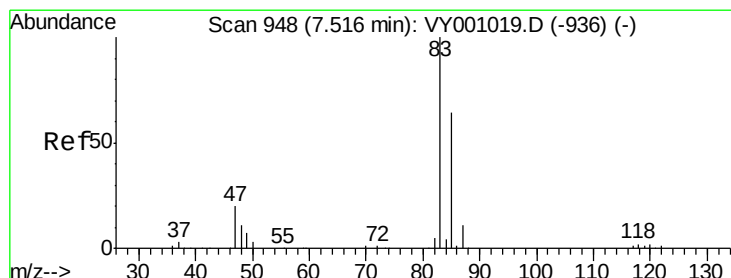
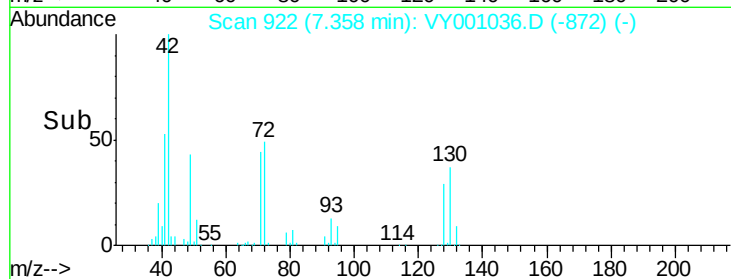
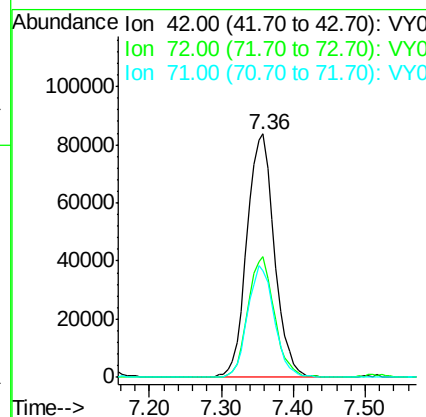
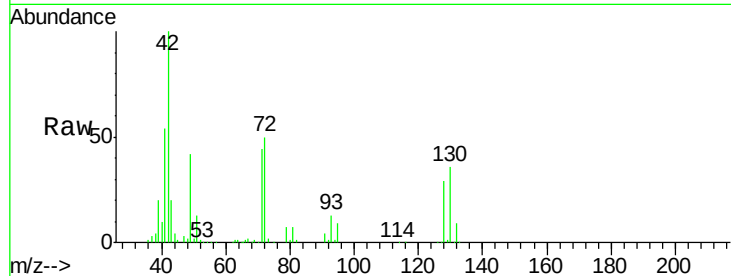
#29
Tetrahydrofuran
Concen: 243.997 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.7	56.5
71	44.3	34.6	51.8

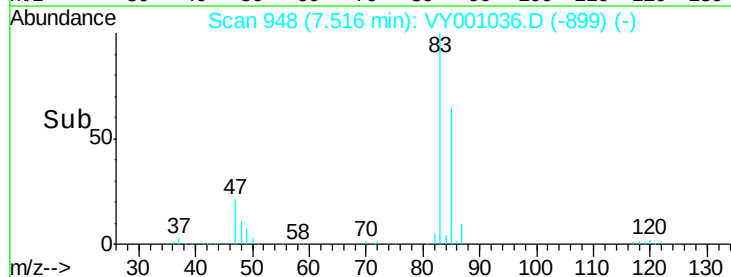
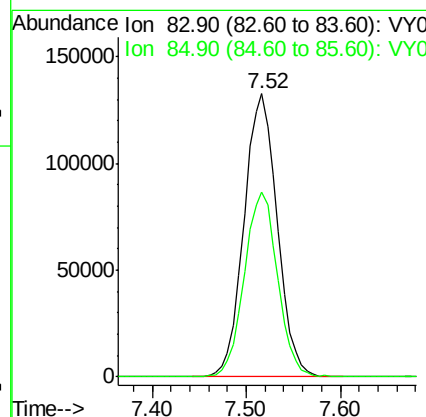
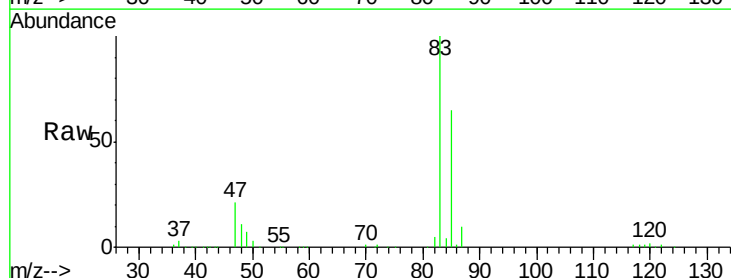
Manual Integrations
APPROVED

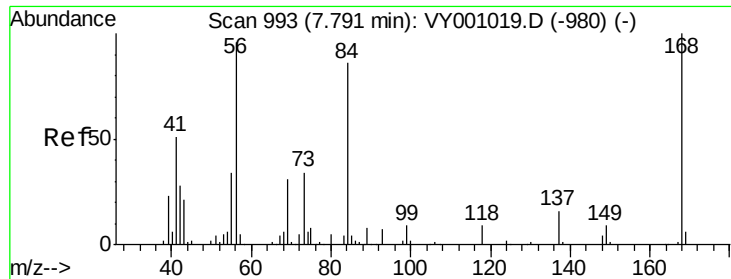
apatel
12/26/2019 12:29:55 PM



#30
Chloroform
Concen: 51.689 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.6	77.4





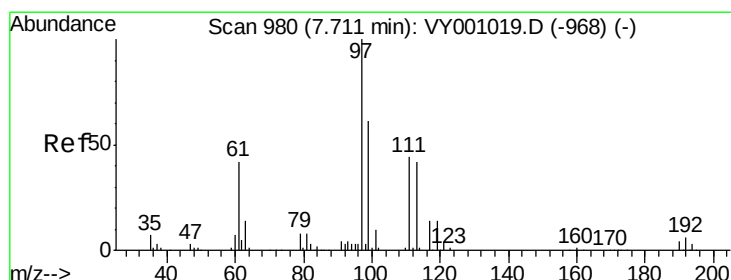
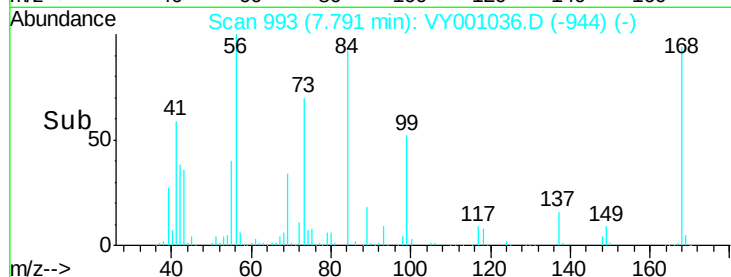
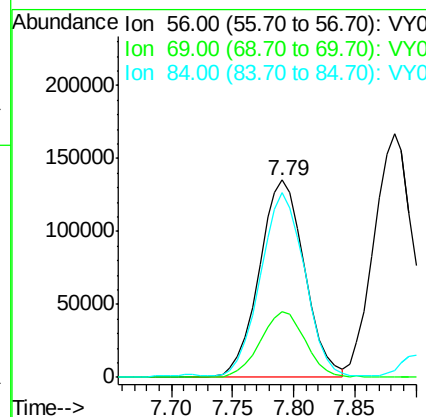
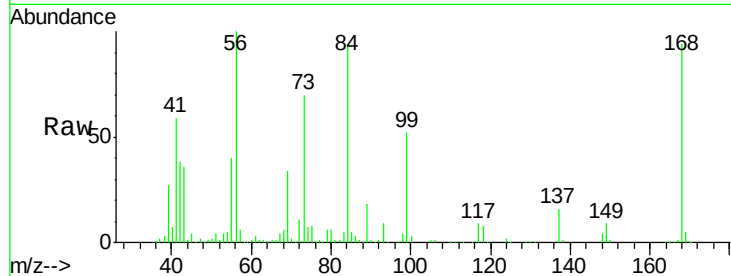
#31
Cyclohexane
Concen: 49.454 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.1	39.1
84	92.4	71.8	107.8

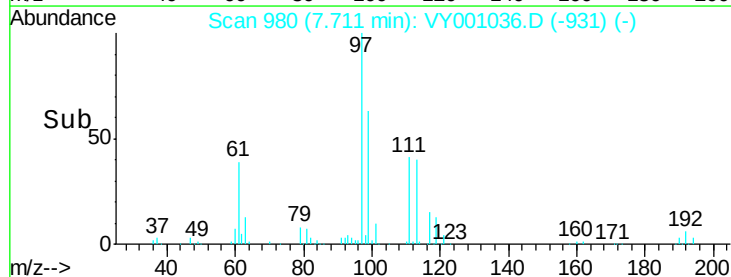
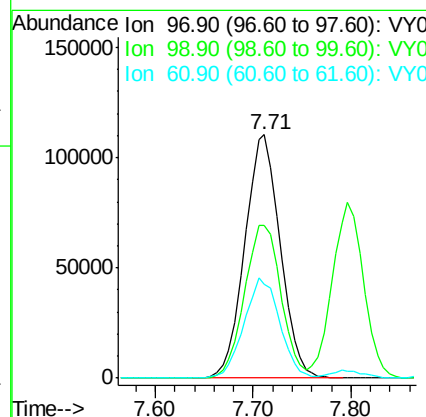
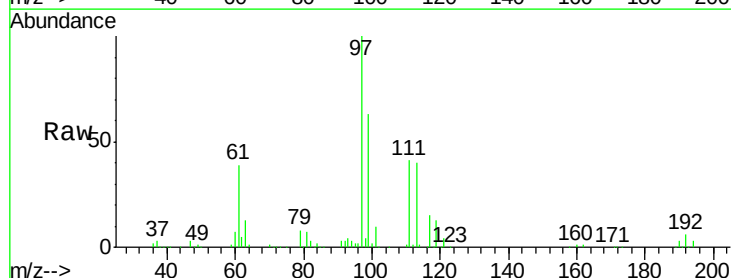
Manual Integrations
APPROVED

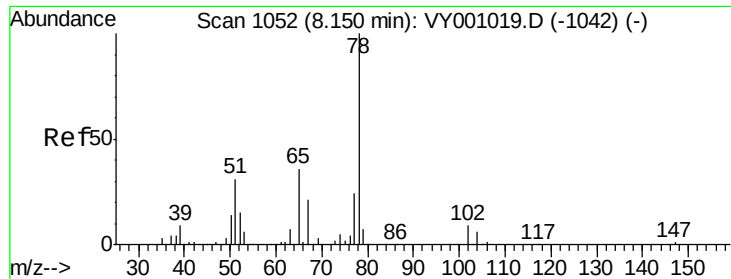
apatel
12/26/2019 12:29:55 PM



#32
1,1,1-Trichloroethane
Concen: 51.384 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.6	76.0
61	41.4	33.0	49.6





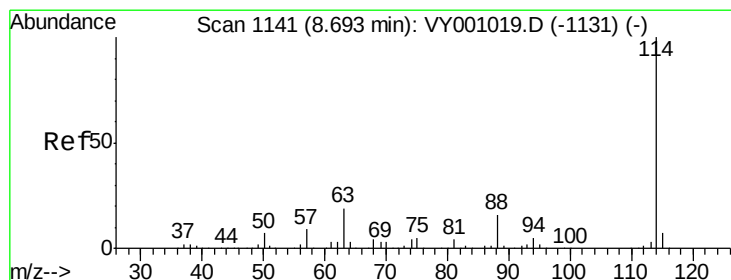
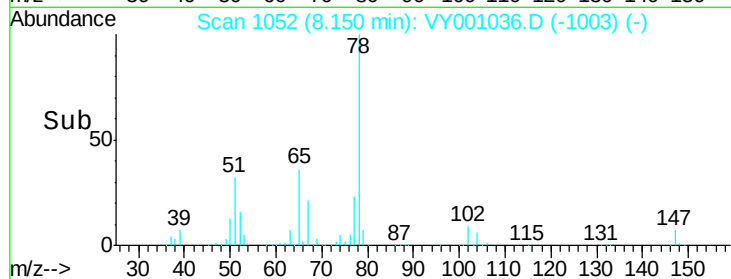
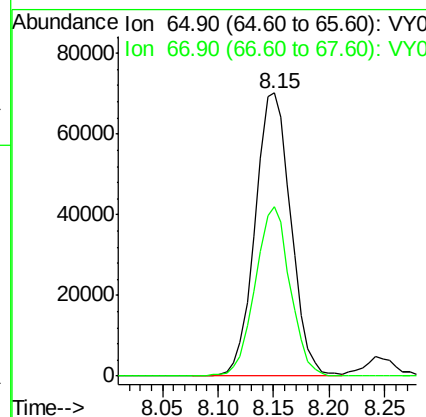
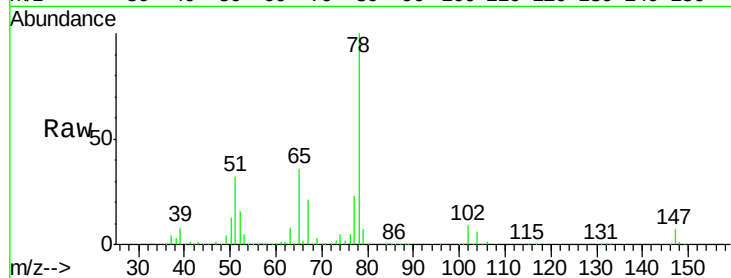
#33
 1,2-Dichloroethane-d4
 Concen: 49.671 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	58.3	0.0	112.8	

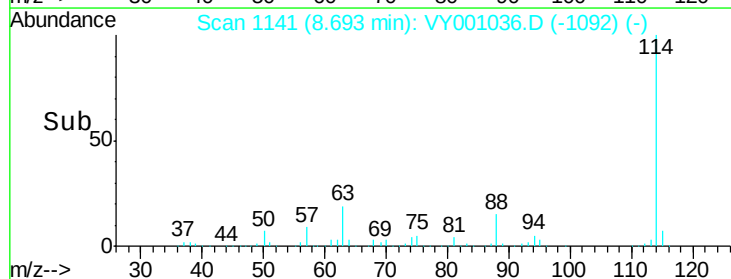
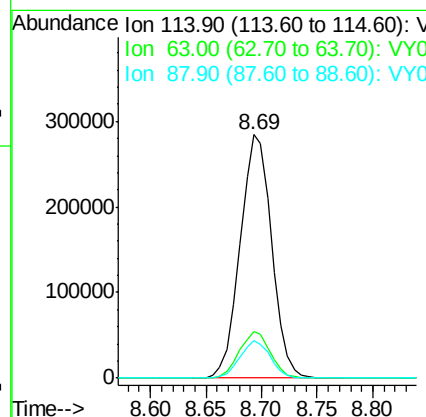
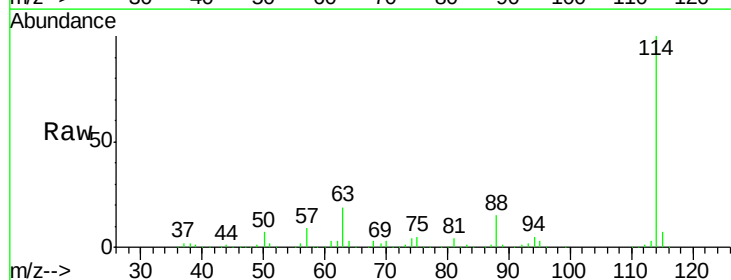
Manual Integrations
 APPROVED

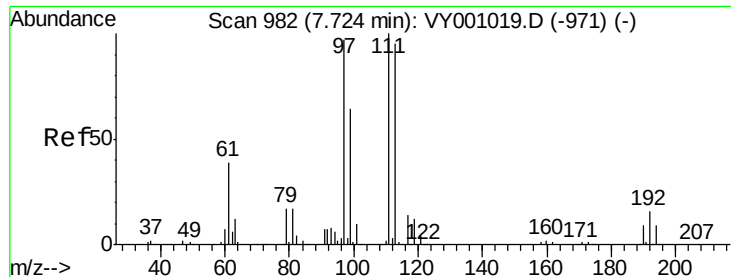
apatel
 12/26/2019 12:29:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	37.0	
88	15.3	0.0	32.0	





#35

Dibromofluoromethane

Concen: 50.016 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

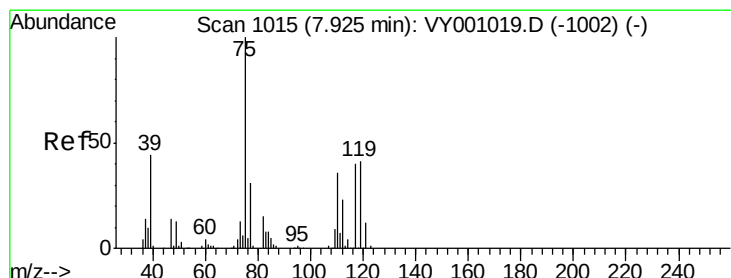
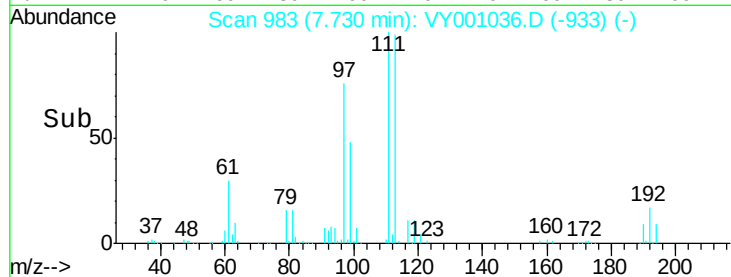
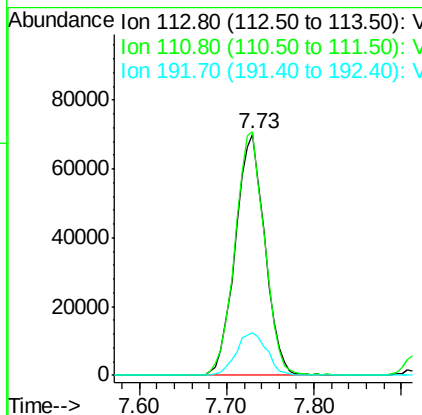
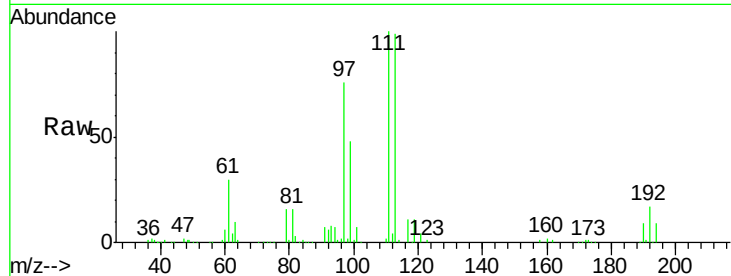
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	164039
Ion Ratio	Lower	Upper	
113	100		
111	101.7	83.0	124.4
192	18.3	14.6	21.8

Manual Integrations
APPROVED

apatel
12/26/2019 12:29:55 PM



#36

1,1-Dichloropropene

Concen: 52.664 ug/l

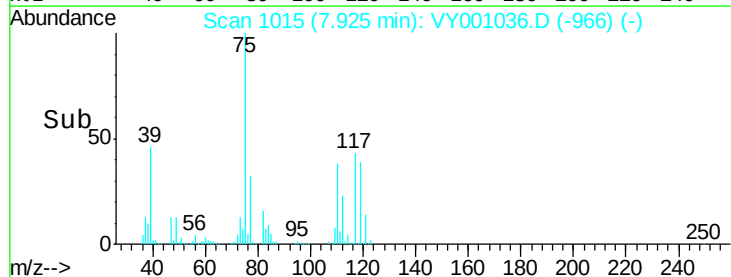
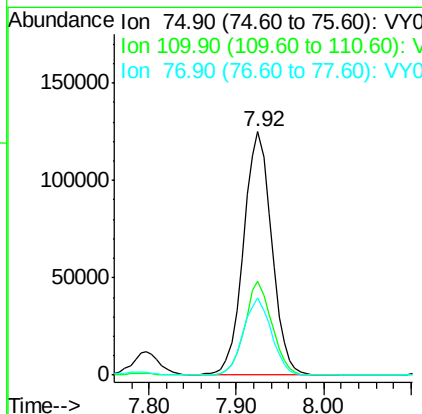
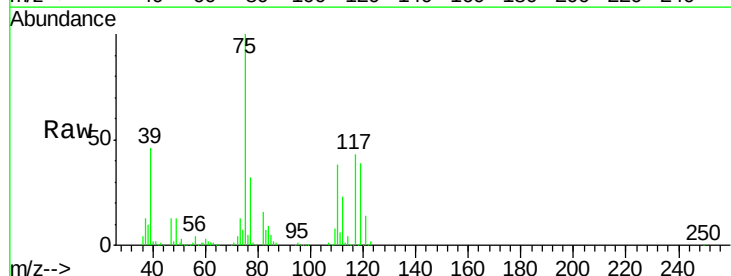
RT: 7.92 min Scan# 1015

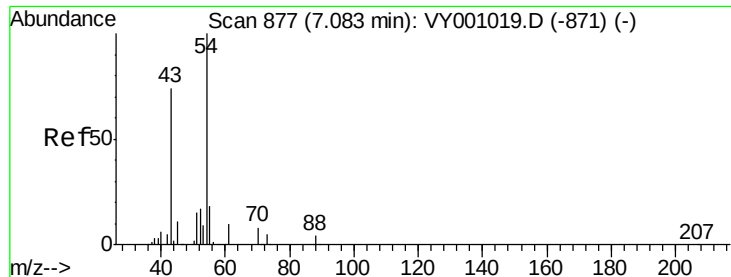
Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Tgt Ion:	75	Resp:	279828
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.1	54.4
77	31.7	24.6	37.0





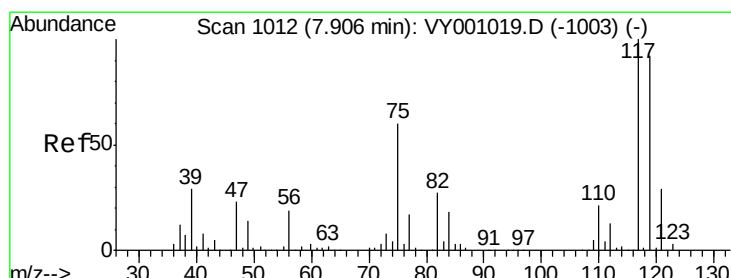
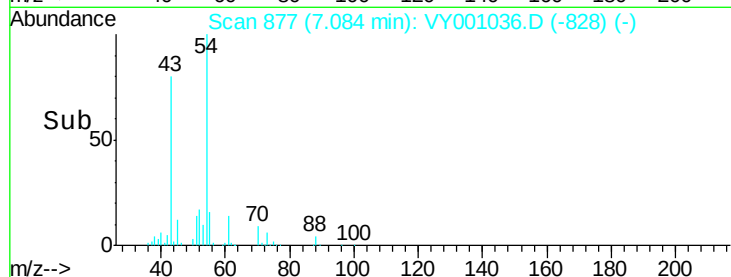
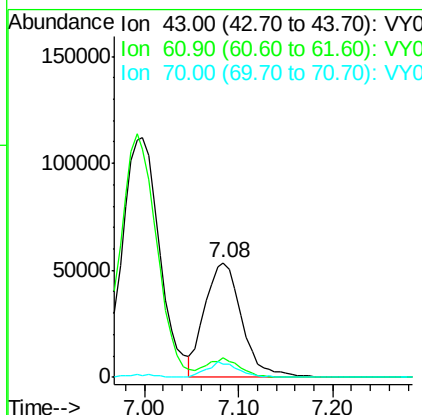
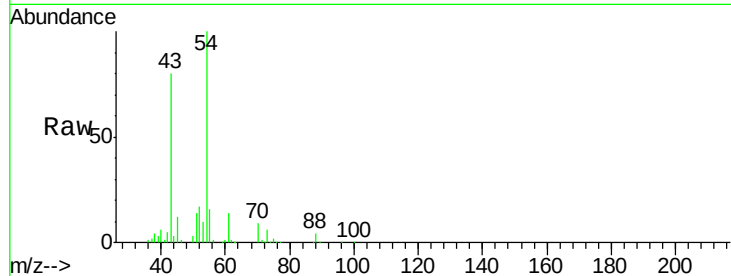
#37
Ethyl Acetate
Concen: 49.466 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.5	18.7
70	11.3	9.0	13.4

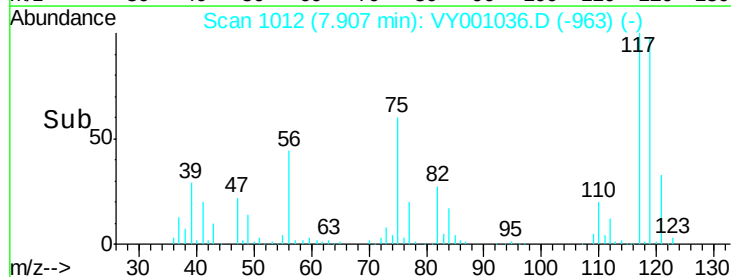
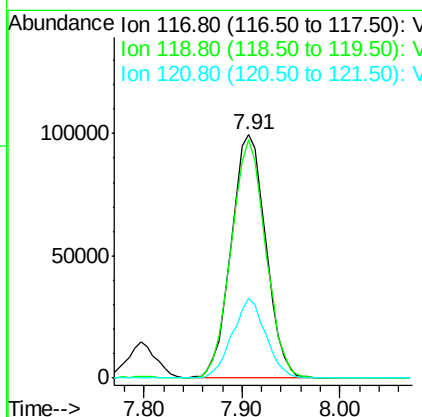
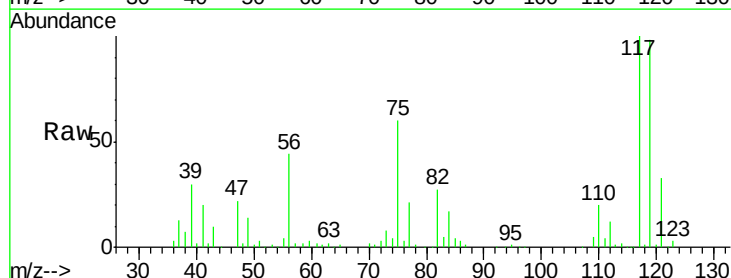
Manual Integrations
APPROVED

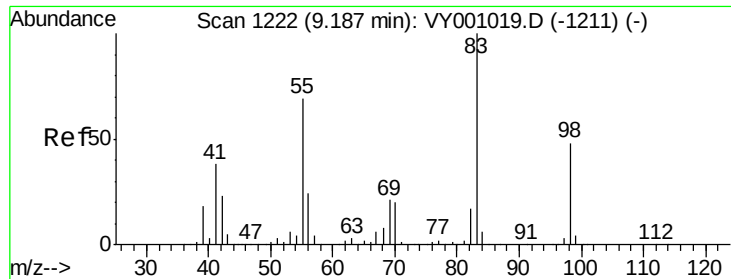
apatel
12/26/2019 12:29:55 PM



#38
Carbon Tetrachloride
Concen: 52.643 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	74.2	111.2
121	32.6	22.9	34.3





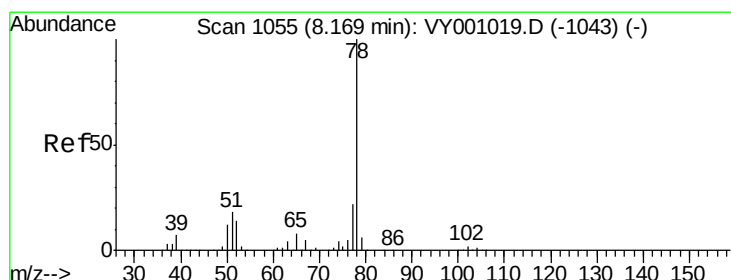
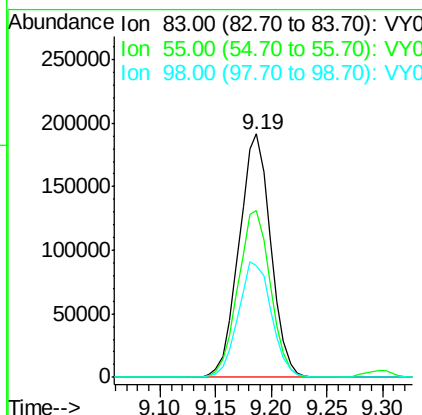
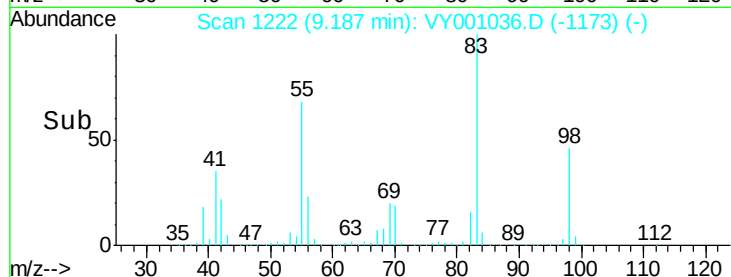
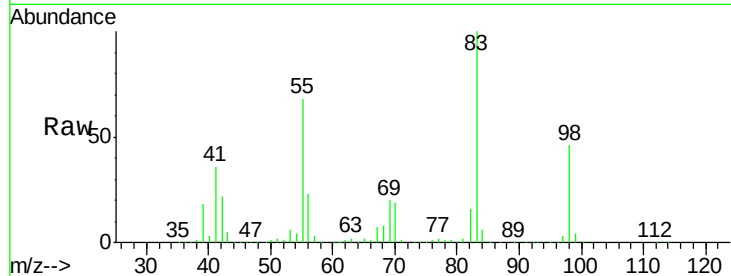
#39
Methylvlcyclohexane
Concen: 53.582 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.3	55.1	82.7
98	45.9	38.3	57.5

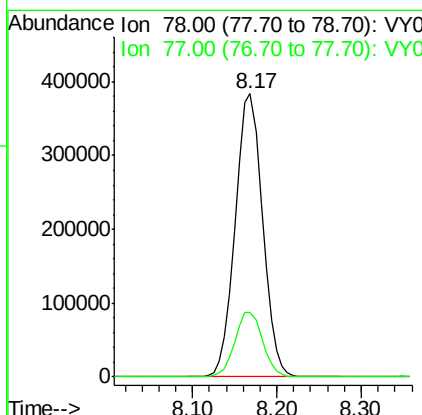
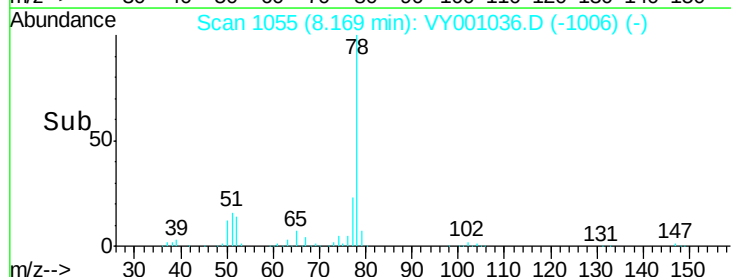
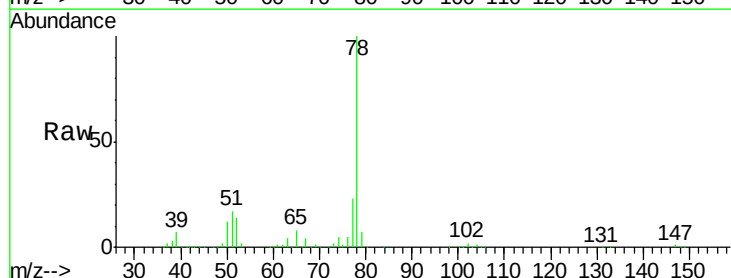
Manual Integrations
APPROVED

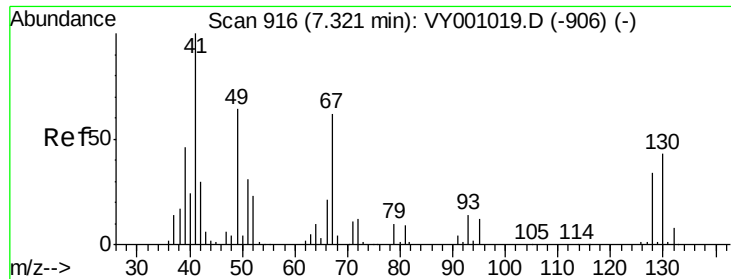
apatel
12/26/2019 12:29:55 PM



#40
Benzene
Concen: 52.372 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	17.7	26.5





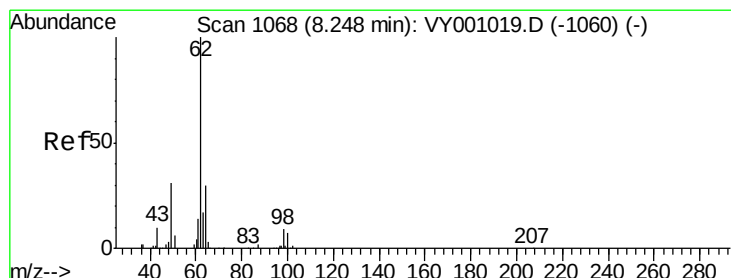
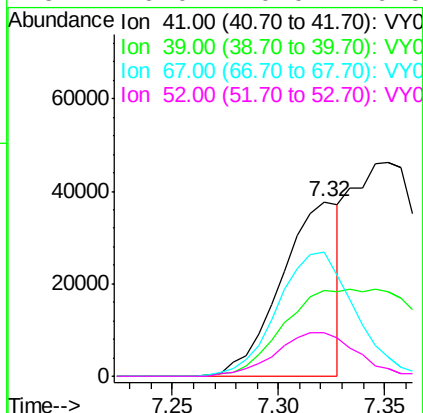
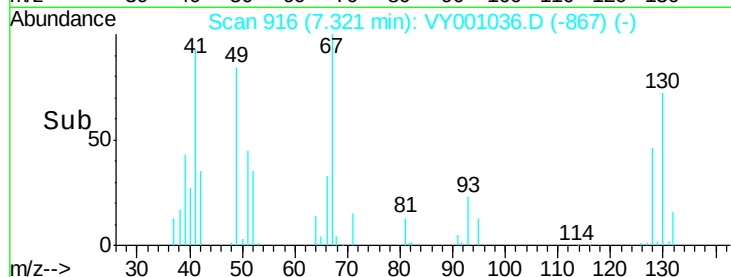
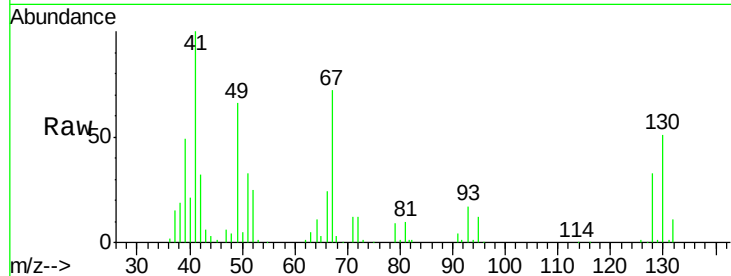
#41
Methacrylonitrile
Concen: 56.237 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	71734
Ion Ratio	Lower	Upper	
41	100		
39	117.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

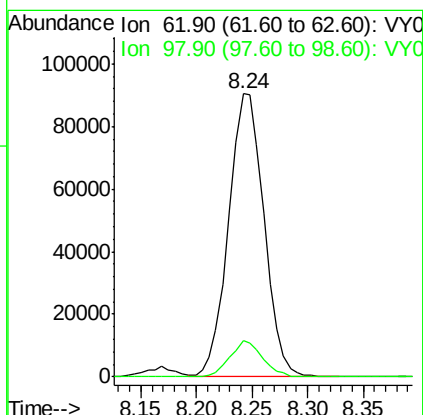
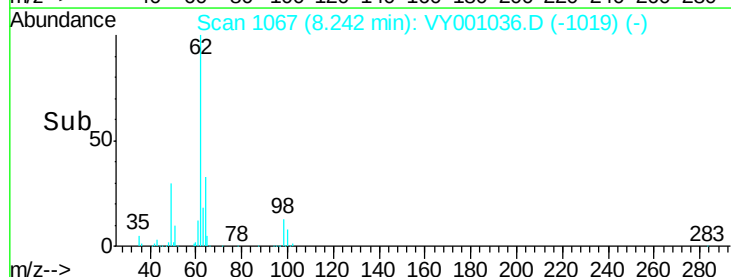
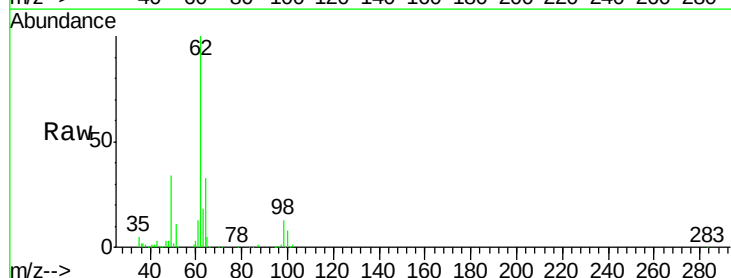
Manual Integrations
APPROVED

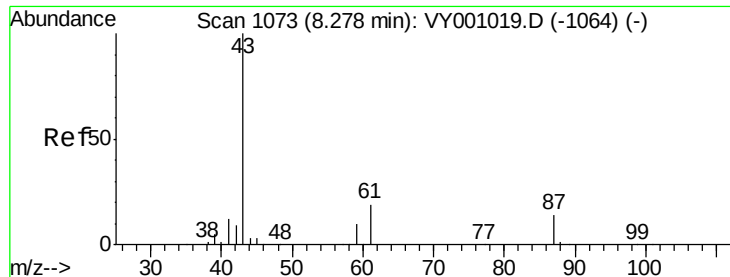
apatel
12/26/2019 12:29:55 PM



#42
1,2-Dichloroethane
Concen: 52.086 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	62	Resp	199617
Ion Ratio	Lower	Upper	
62	100		
98	11.8	0.0	23.4





#43

Isopropyl Acetate

Concen: 50.139 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

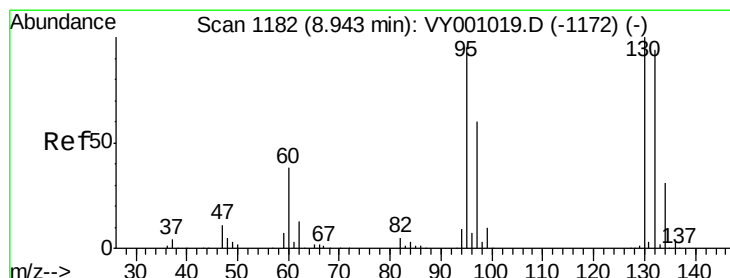
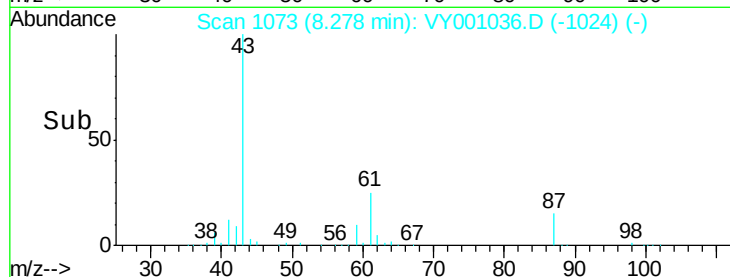
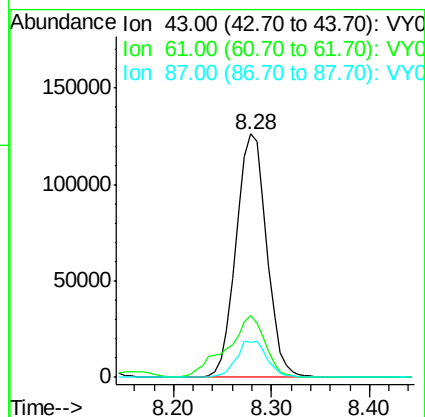
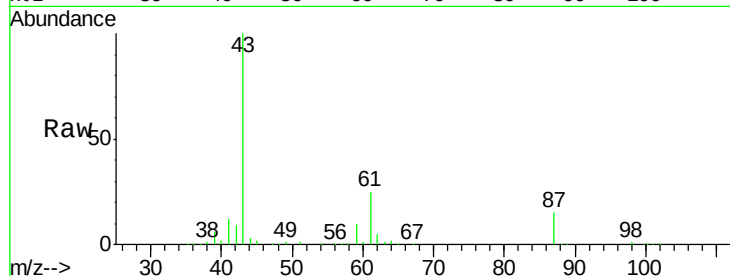
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	273075
Ion	Ratio	Lower	Upper
43	100		
61	32.1	25.0	37.6
87	15.2	12.0	18.0

Manual Integrations
APPROVED

apatel
12/26/2019 12:29:55 PM



#44

Trichloroethene

Concen: 52.023 ug/l

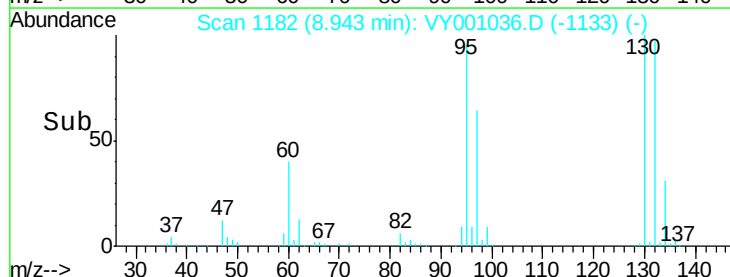
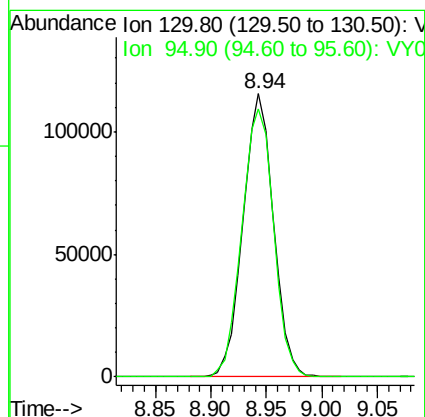
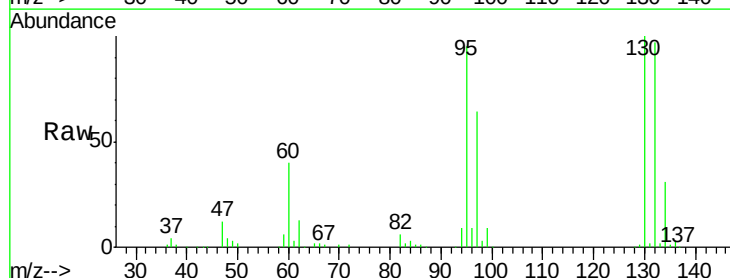
RT: 8.94 min Scan# 1182

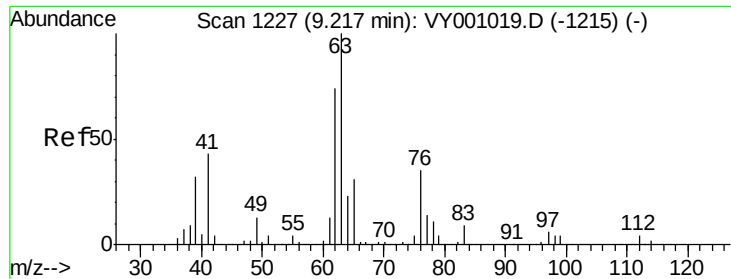
Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Tgt Ion:	130	Resp:	219721
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	190.6





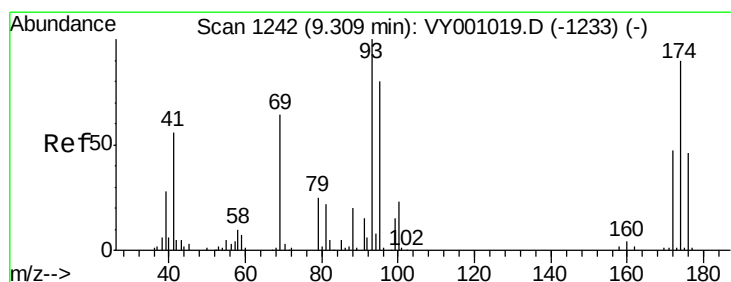
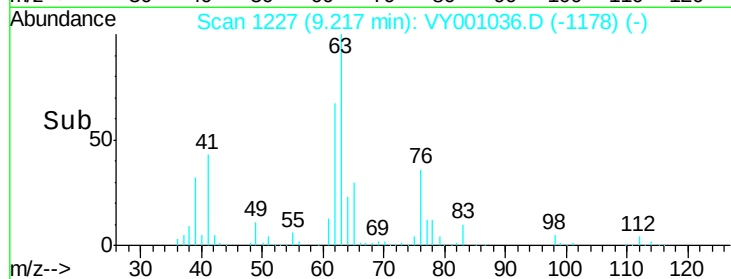
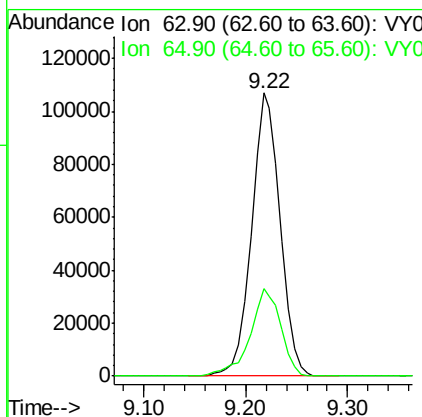
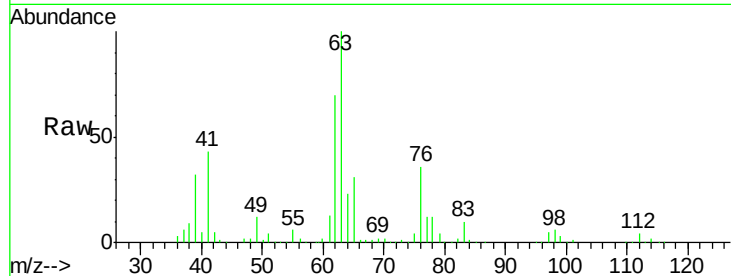
#45
 1,2-Dichloropropane
 Concen: 51.616 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 207567
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.1 37.7

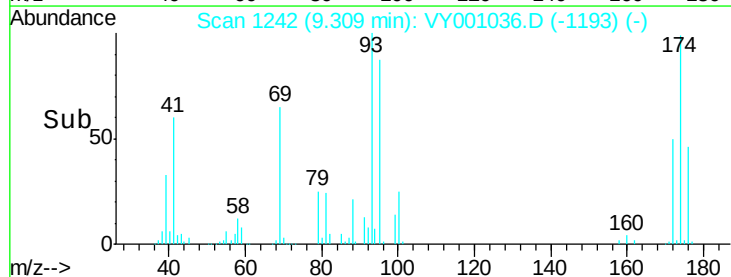
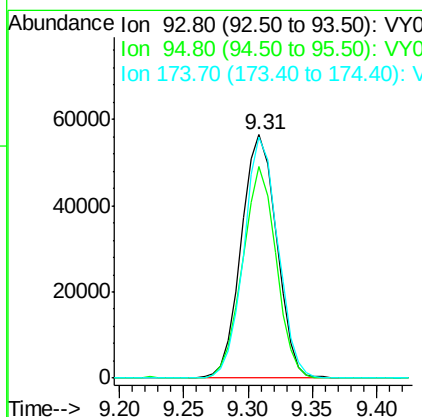
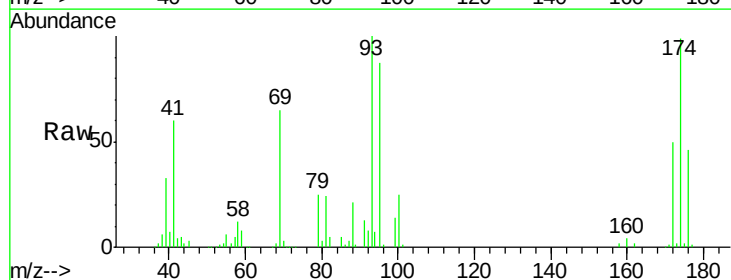
Manual Integrations
 APPROVED

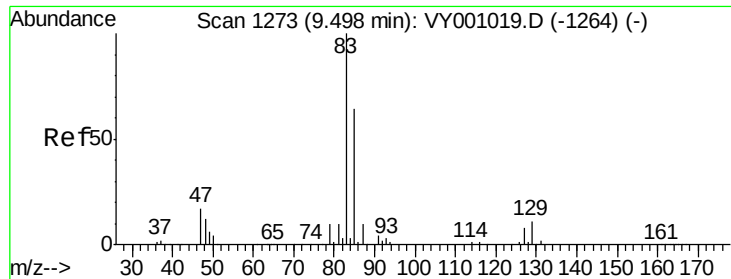
apatel
 12/26/2019 12:29:55 PM



#46
 Dibromomethane
 Concen: 51.757 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion: 93 Resp: 107290
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.7 100.1
 174 95.0 73.6 110.4





#47

Bromodichloromethane

Concen: 51.466 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

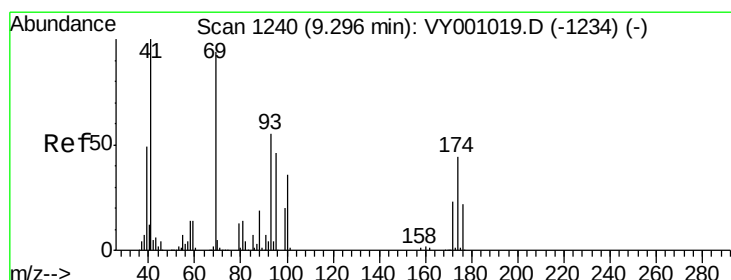
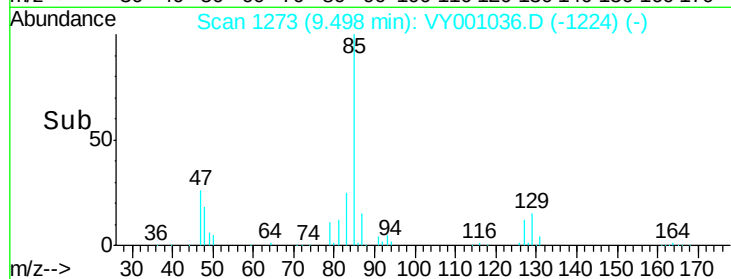
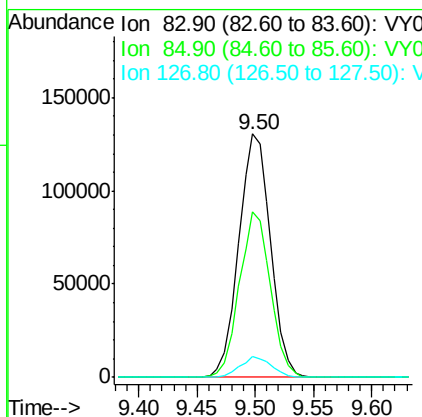
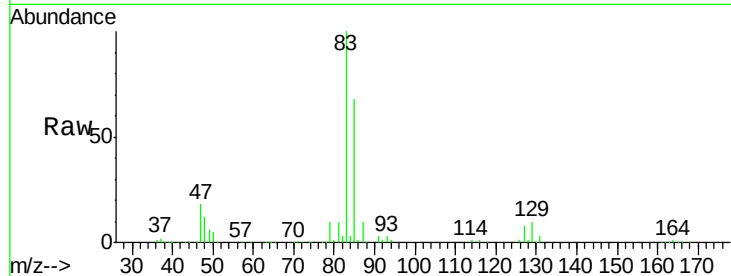
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	247129
Ion Ratio	Lower	Upper	
83	100		
85	68.1	50.9	76.3
127	8.3	6.4	9.6

Manual Integrations
APPROVED

apatel
12/26/2019 12:29:55 PM



#48

Methyl methacrylate

Concen: 52.764 ug/l

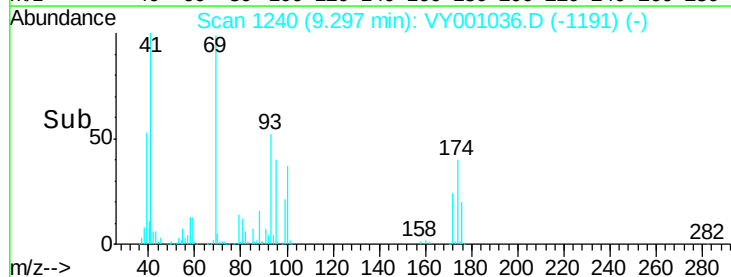
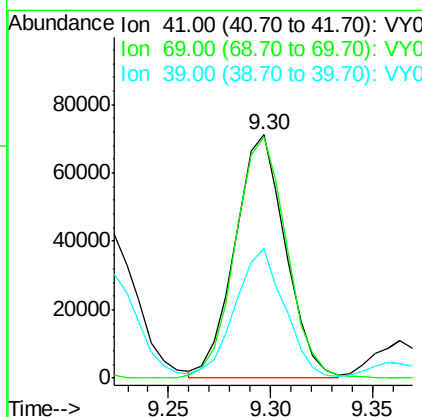
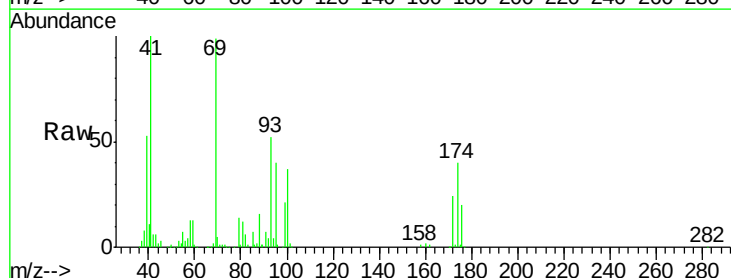
RT: 9.30 min Scan# 1240

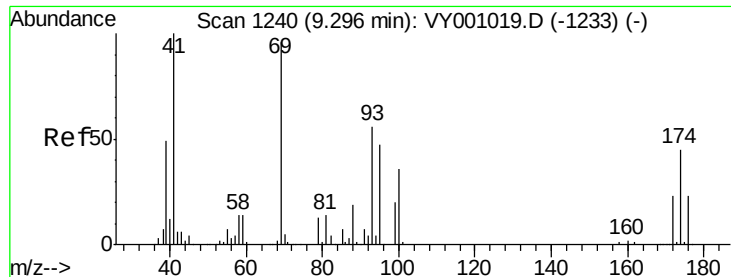
Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Tgt Ion:	41	Resp:	122632
Ion Ratio	Lower	Upper	
41	100		
69	100.6	79.8	119.6
39	52.6	41.7	62.5





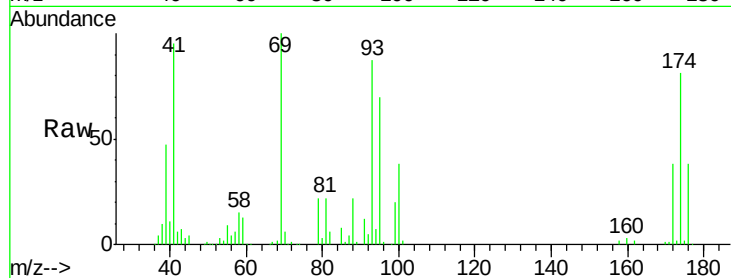
#49
1,4-Dioxane
Concen: 1006.592 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	30524
Ion	Ratio	Lower	Upper
88	100		
43	24.1	23.0	34.4
58	61.5	54.9	82.3

Manual Integrations
APPROVED

apatel
12/26/2019 12:29:55 PM

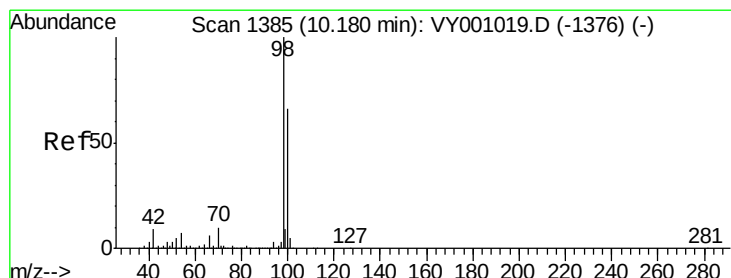
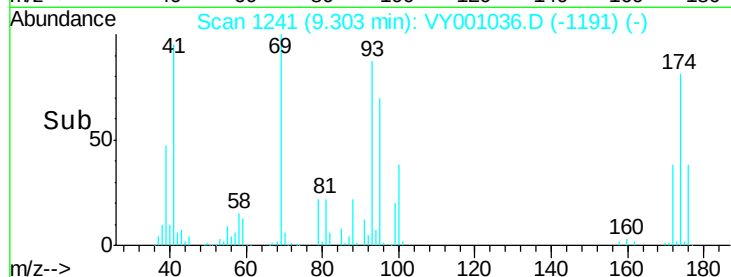
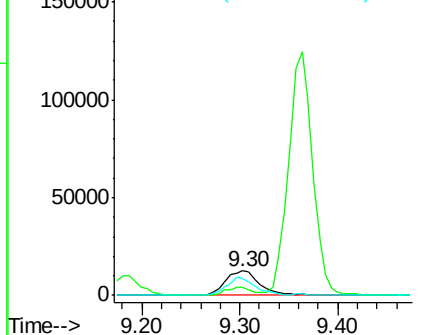


Abundance

Ion 88.00 (87.70 to 88.70): VY0

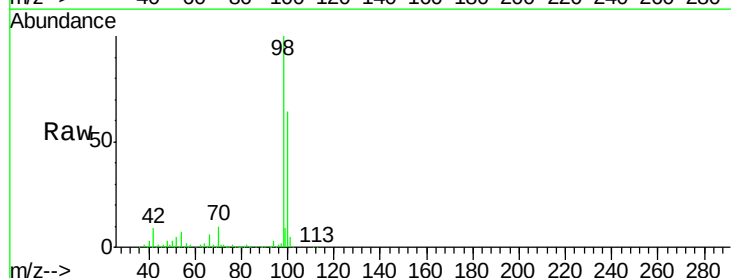
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50
Toluene-d8
Concen: 53.782 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

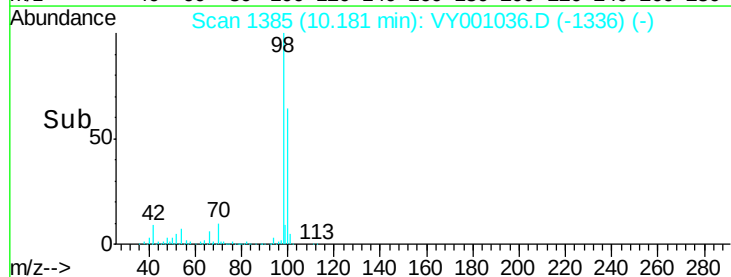
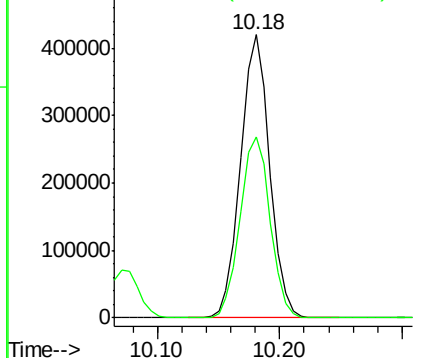
Tgt Ion	98	Resp	689329
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4

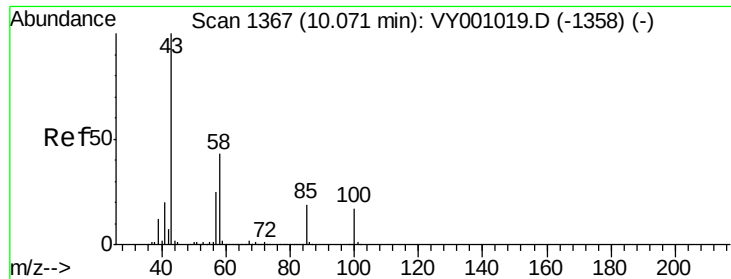


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 251.564 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 714114

Ion Ratio Lower Upper

43 100

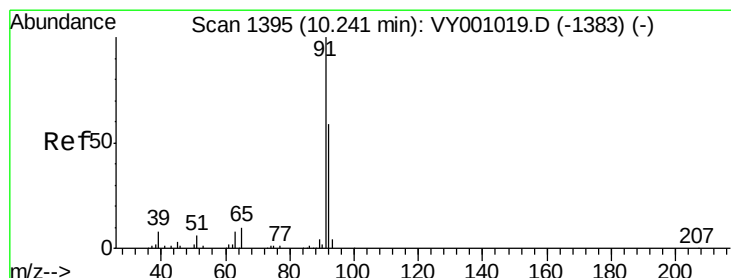
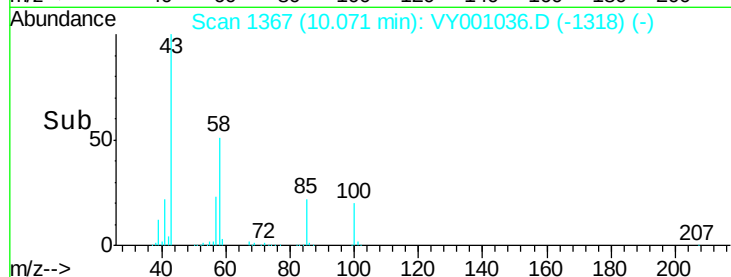
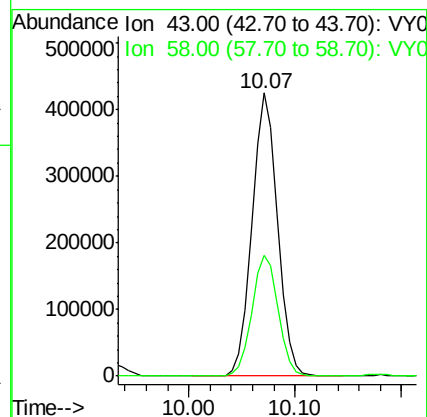
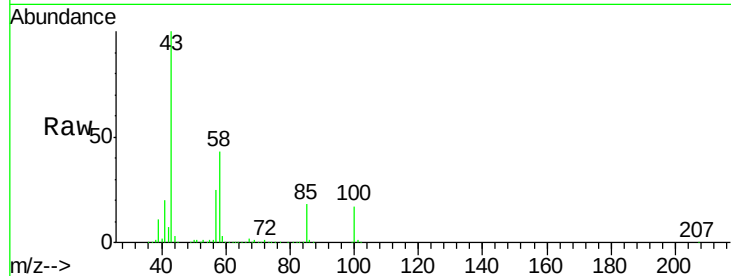
58 43.8 34.6 52.0

Manual Integrations

APPROVED

apatel

12/26/2019 12:29:55 PM



#52

Toluene

Concen: 52.335 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY001036.D

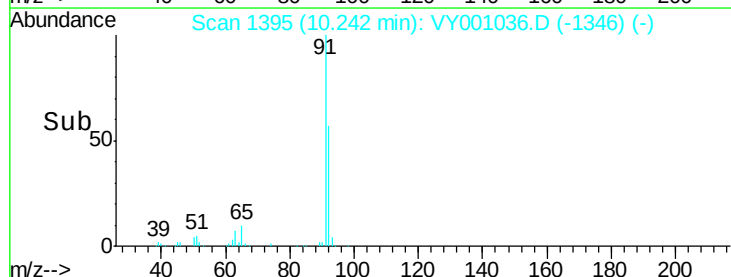
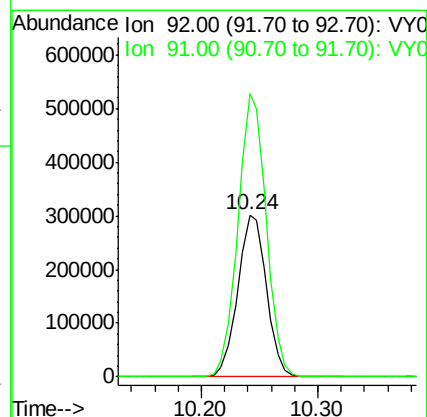
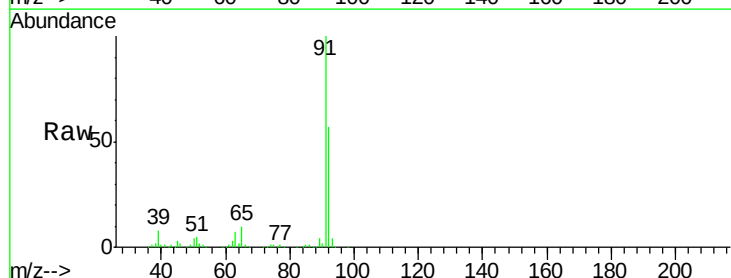
Acq: 24 Dec 2019 10:23

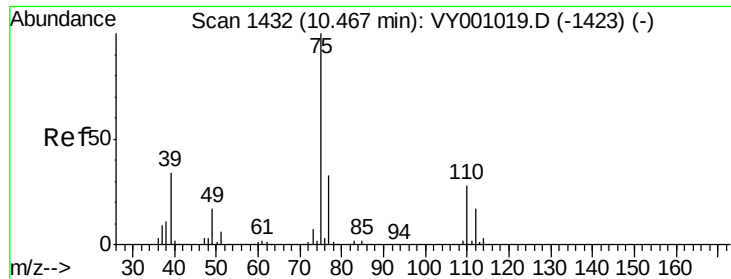
Tgt Ion: 92 Resp: 516353

Ion Ratio Lower Upper

92 100

91 172.4 135.7 203.5





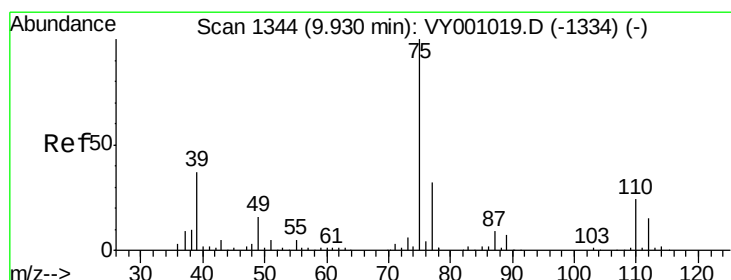
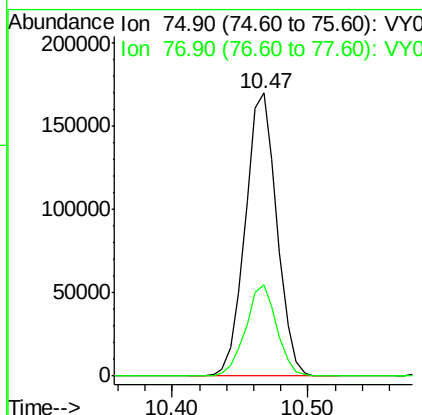
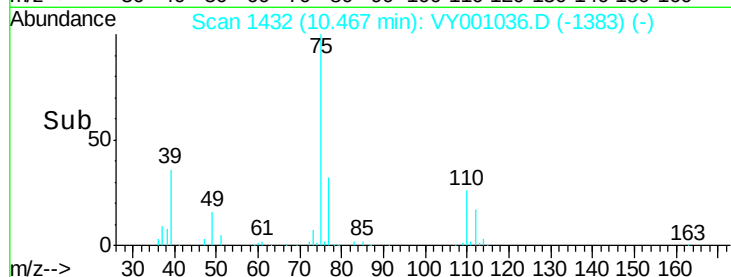
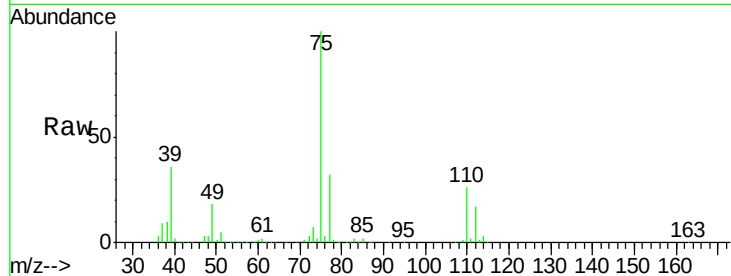
#53
t-1,3-Dichloropropene
Concen: 52.935 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 275858
Ion Ratio Lower Upper
75 100
77 32.2 26.5 39.7

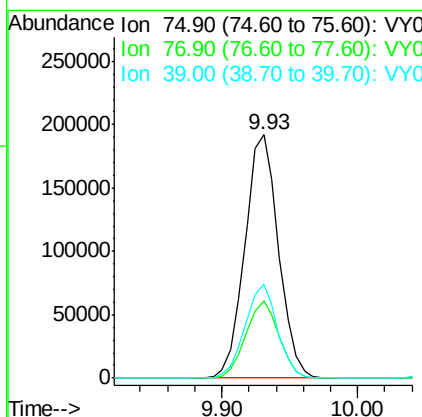
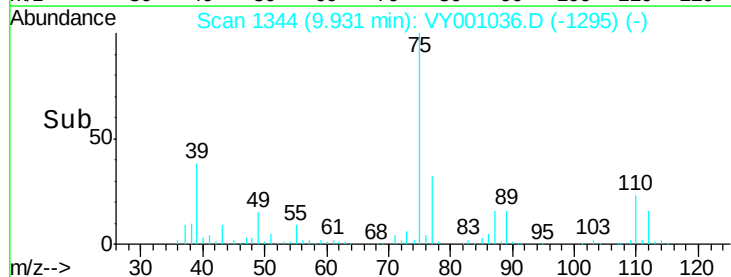
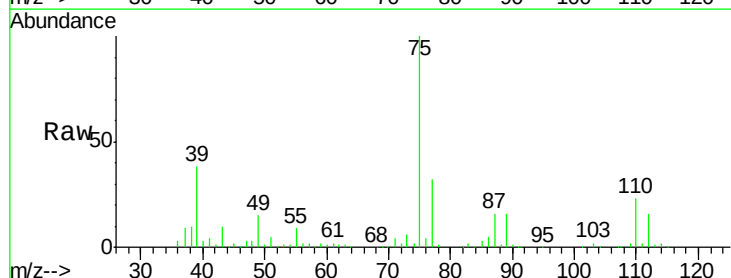
Manual Integrations
APPROVED

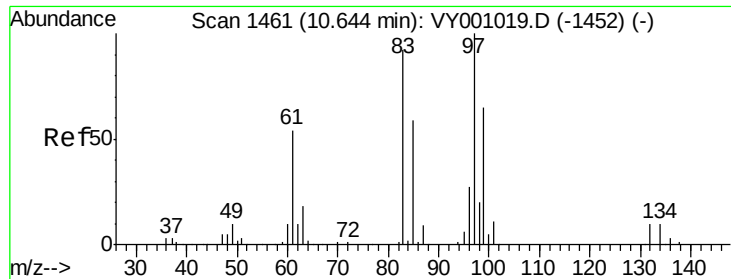
apatel
12/26/2019 12:29:55 PM



#54
cis-1,3-Dichloropropene
Concen: 53.002 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 75 Resp: 332128
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8
39 38.3 29.5 44.3





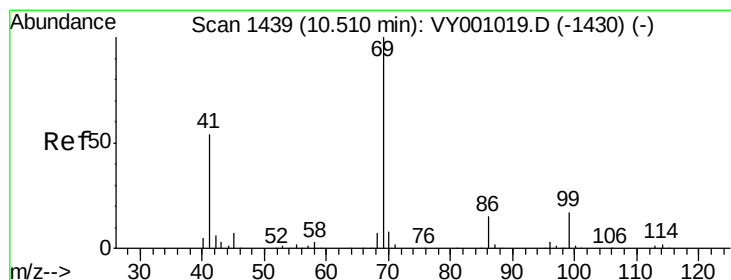
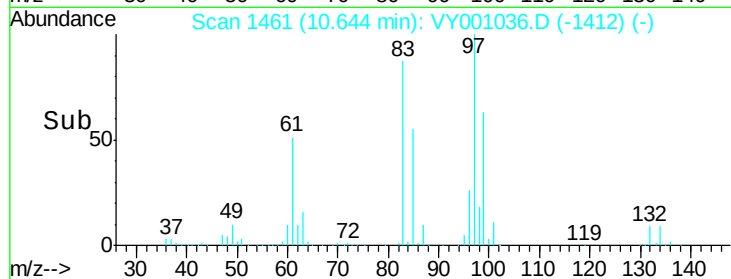
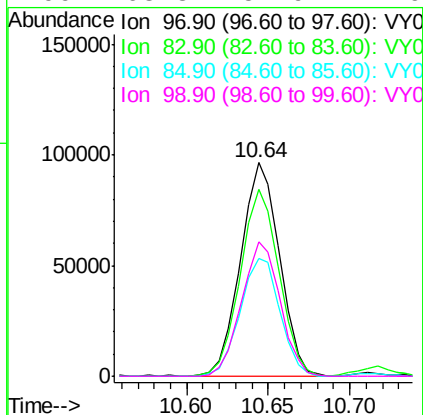
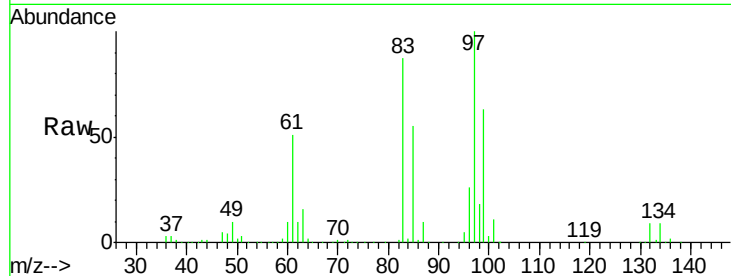
#55
 1,1,2-Trichloroethane
 Concen: 51.610 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	159719
Ion	Ratio	Lower	Upper
97	100		
83	87.4	73.7	110.5
85	55.1	47.3	70.9
99	63.3	51.9	77.9

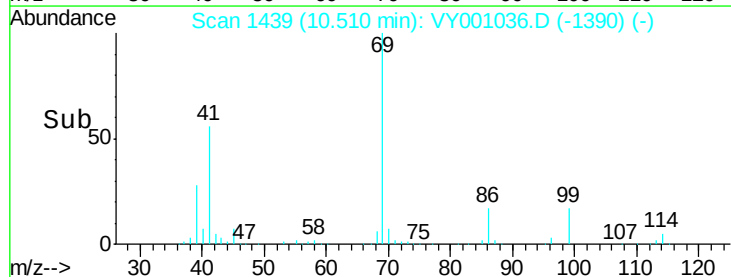
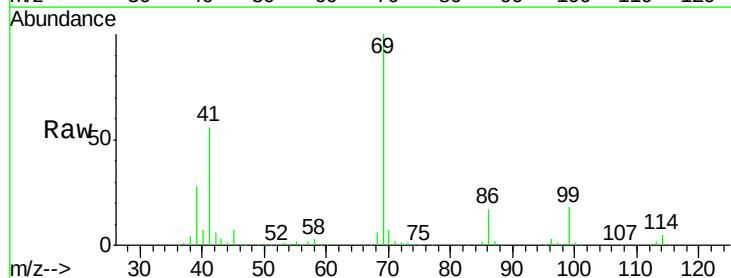
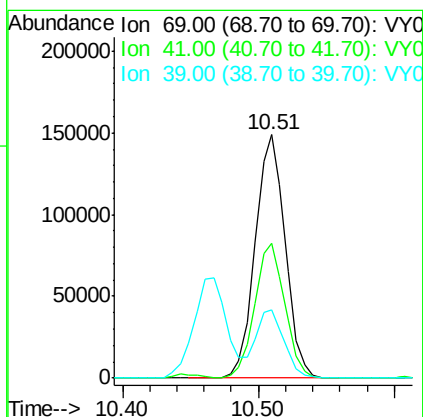
Manual Integrations
 APPROVED

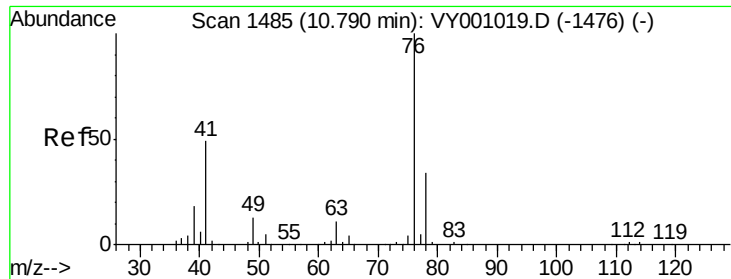
apatel
 12/26/2019 12:29:55 PM



#56
 Ethyl methacrylate
 Concen: 52.300 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion:	69	Resp:	230353
Ion	Ratio	Lower	Upper
69	100		
41	55.5	44.7	67.1
39	27.7	22.2	33.4





#57

1,3-Dichloropropane

Concen: 51.987 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 281999

Ion Ratio Lower Upper

76 100

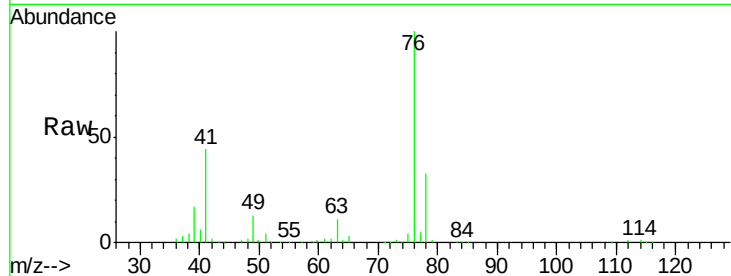
78 32.1 25.8 38.8

Manual Integrations

APPROVED

apatel

12/26/2019 12:29:55 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

200000

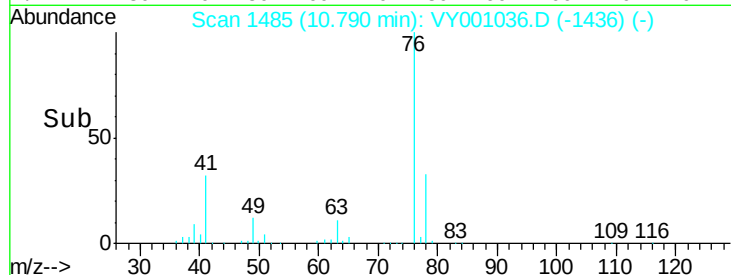
150000

100000

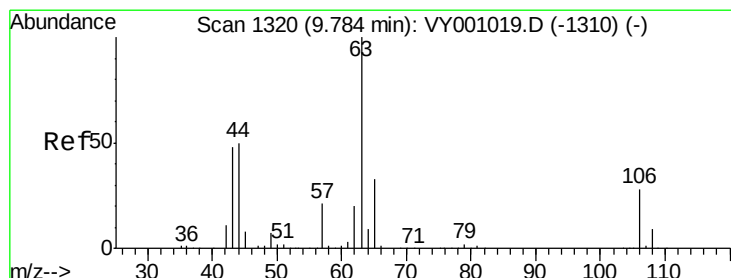
50000

0

Time-->



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 235.360 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY001036.D

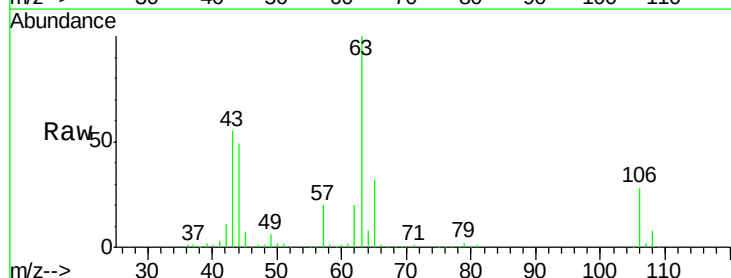
Acq: 24 Dec 2019 10:23

Tgt Ion: 63 Resp: 400390

Ion Ratio Lower Upper

63 100

106 28.0 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

250000

200000

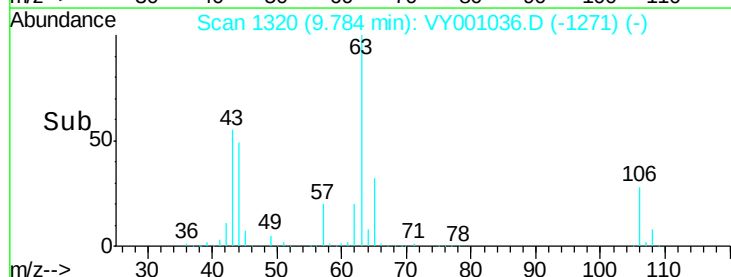
150000

100000

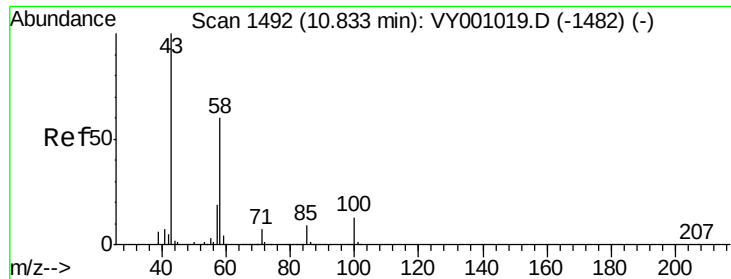
50000

0

Time-->



Time-->



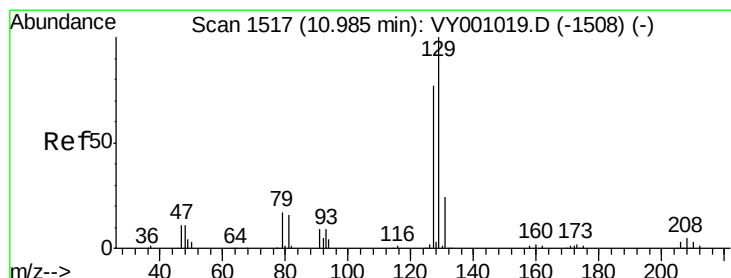
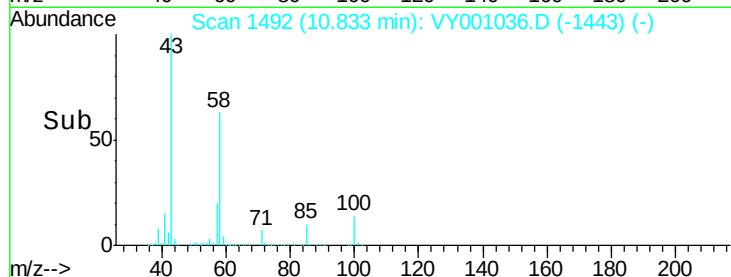
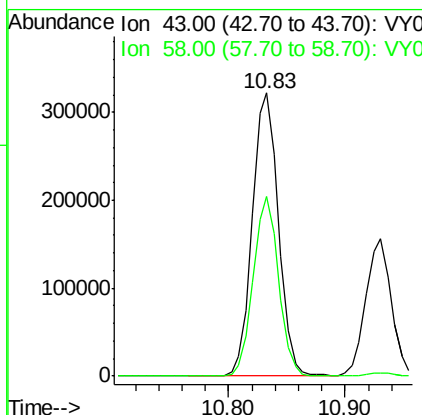
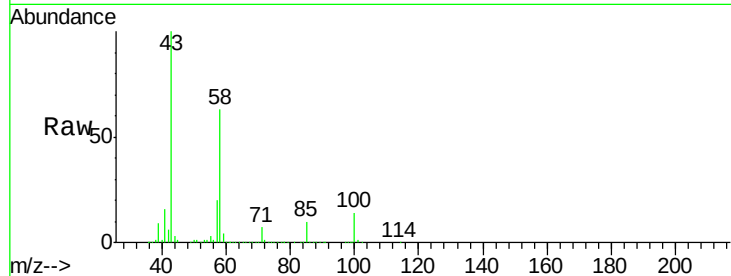
#59
2-Hexanone
Concen: 256.703 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	504219
Ion Ratio	100	Lower	Upper
43	100		
58	61.3	30.6	91.6

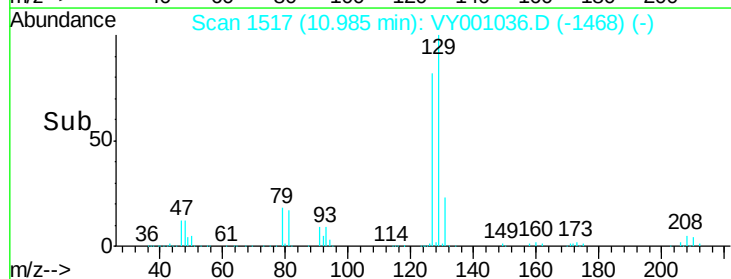
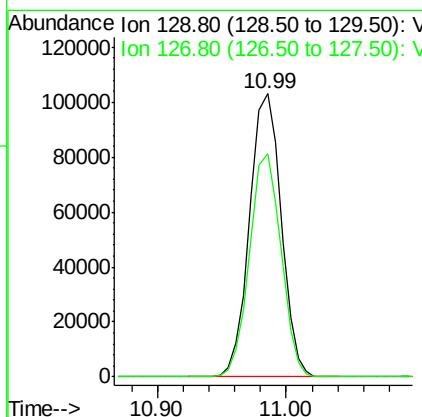
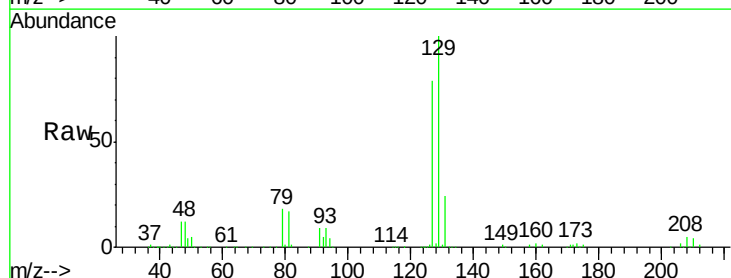
Manual Integrations
APPROVED

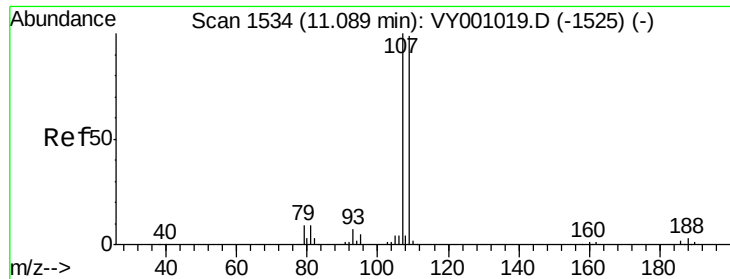
apatel
12/26/2019 12:29:55 PM



#60
Dibromochloromethane
Concen: 52.840 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	129	Resp	174674
Ion Ratio	100	Lower	Upper
129	100		
127	78.5	39.1	117.3





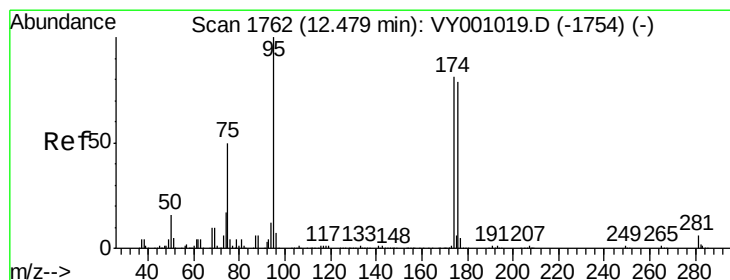
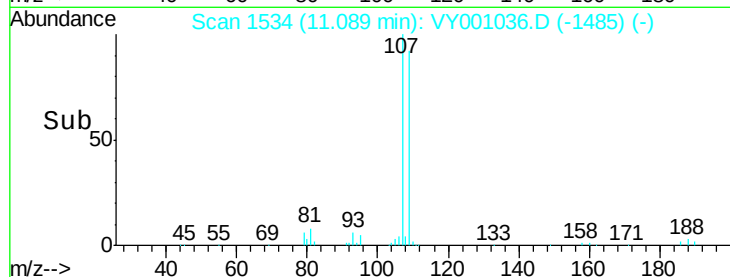
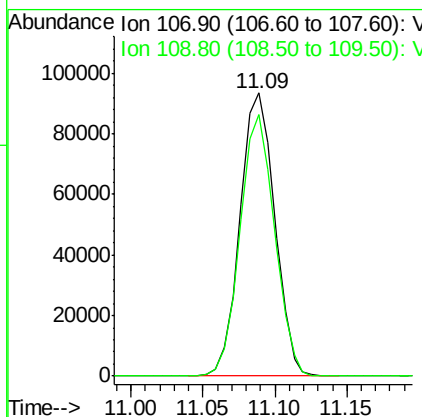
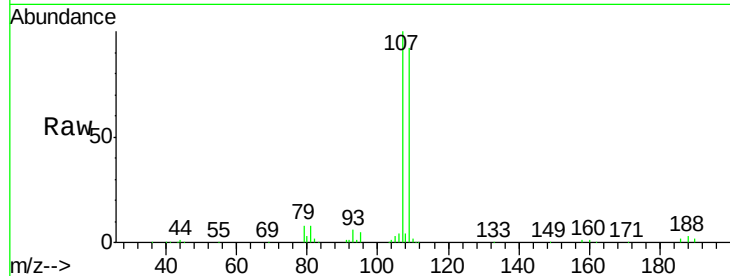
#61
 1,2-Dibromoethane
 Concen: 52.837 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	156363		
109	92.1	74.8	112.2	

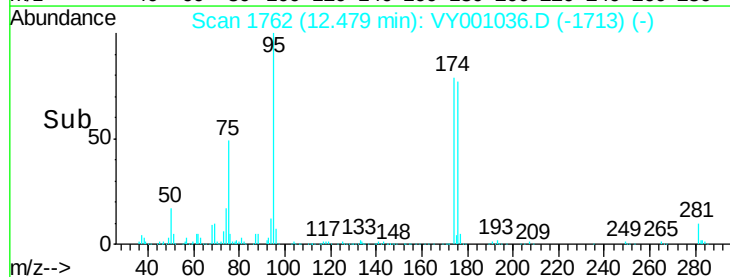
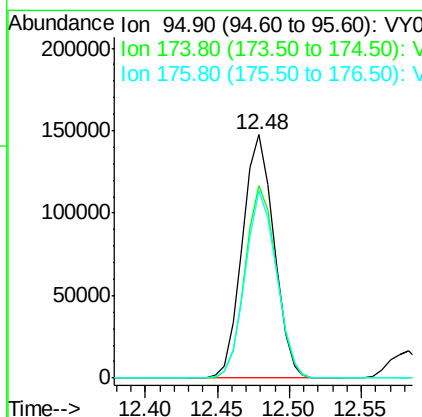
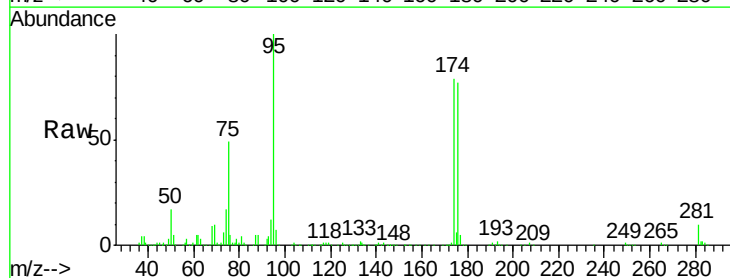
Manual Integrations
 APPROVED

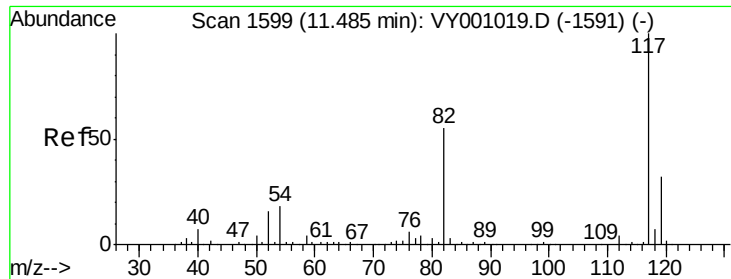
apatel
 12/26/2019 12:29:55 PM



#62
 4-Bromofluorobenzene
 Concen: 48.007 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	224970		
174	78.2	0.0	156.4	
176	75.9	0.0	155.0	





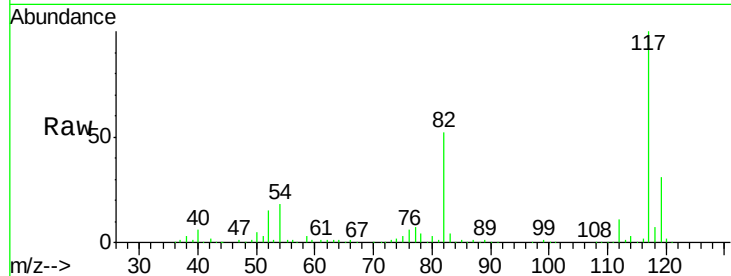
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	43.8	65.8
119	31.5	25.8	38.6

Manual Integrations
APPROVED

apatel
12/26/2019 12:29:55 PM

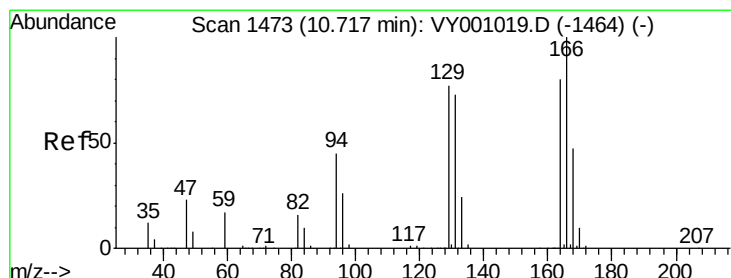
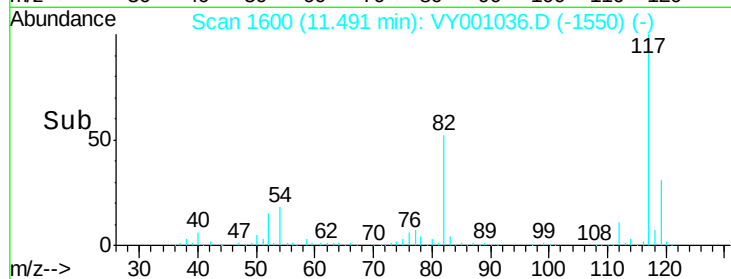
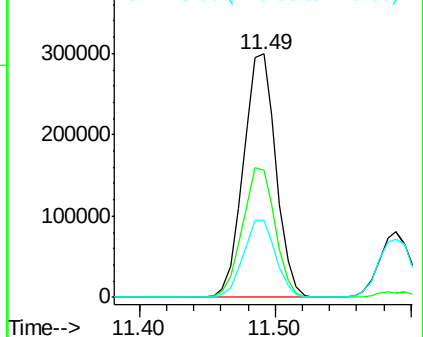


Abundance

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: 51.968 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	99.7	149.5
129	93.8	76.9	115.3
131	89.8	72.3	108.5

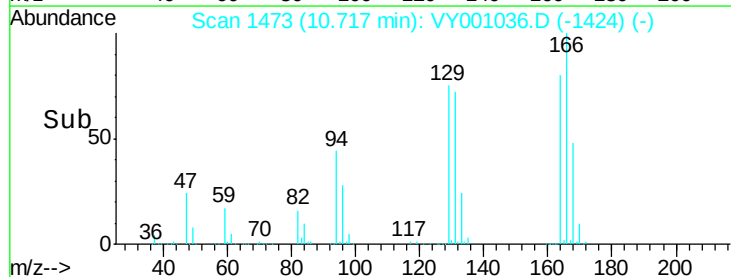
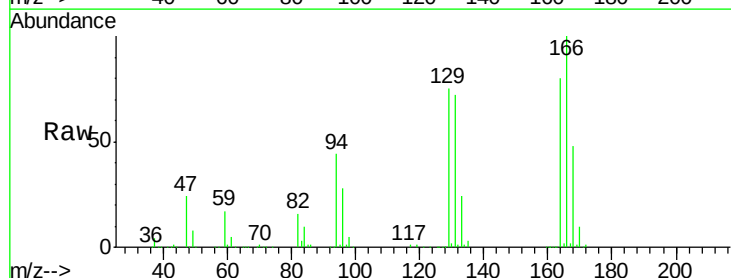
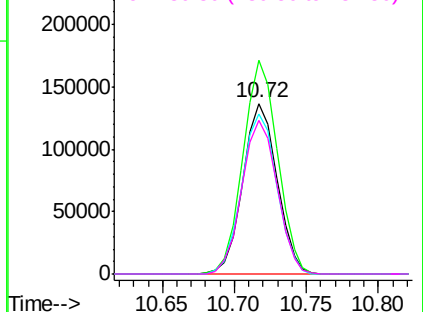
Abundance

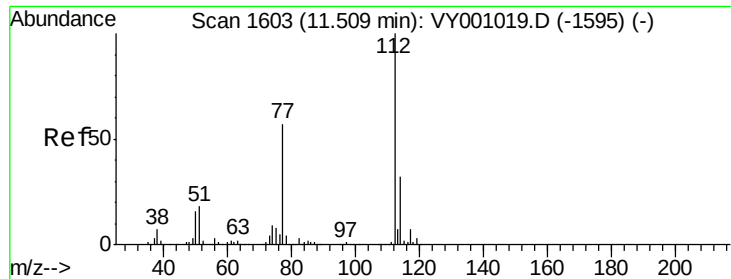
Ion 163.80 (163.50 to 164.50): V

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





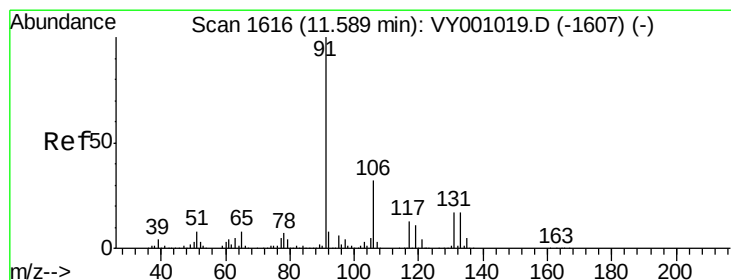
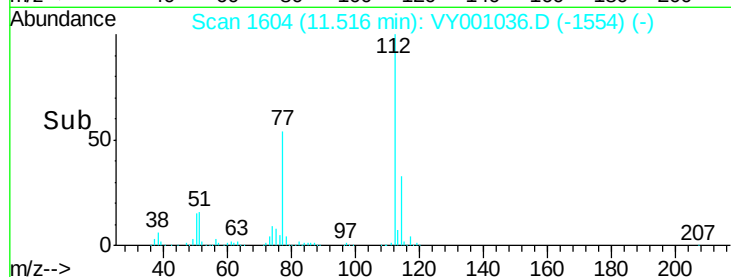
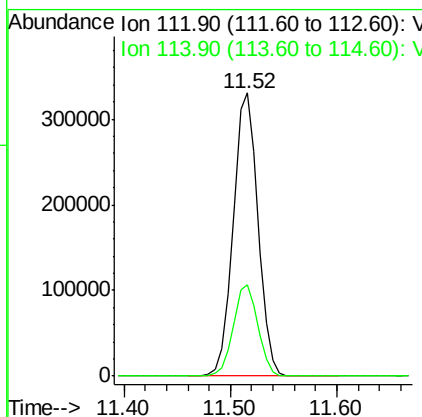
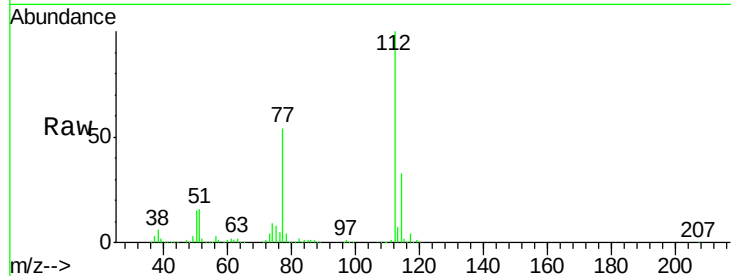
#65
Chlorobenzene
Concen: 51.963 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	538141		
114	32.5	25.4	38.2	

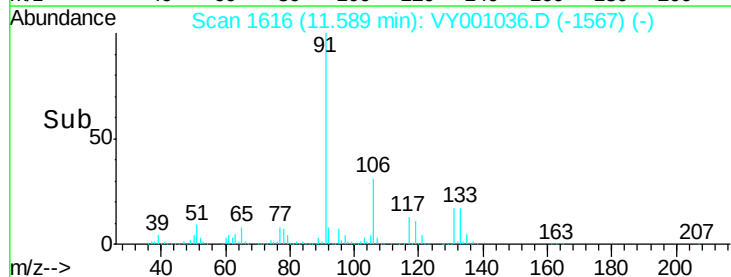
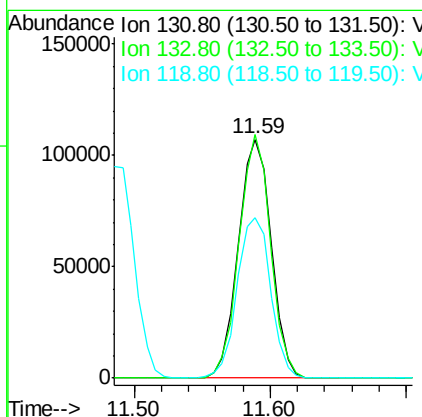
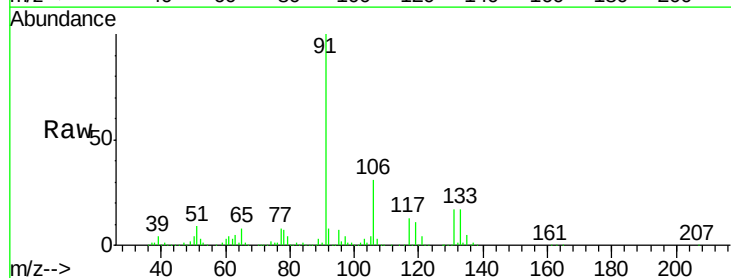
Manual Integrations
APPROVED

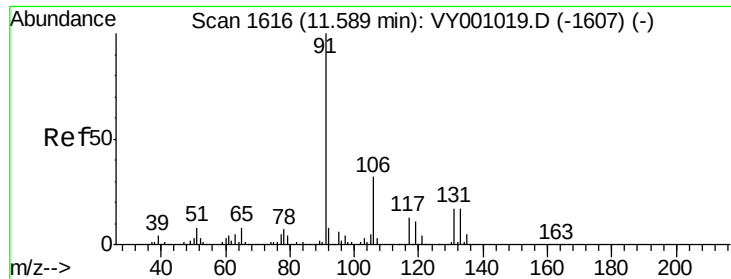
apatel
12/26/2019 12:29:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.028 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	181229		
133	97.4	48.1	144.4	
119	68.4	34.0	101.8	





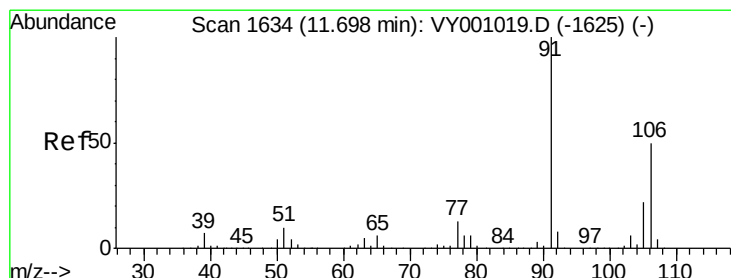
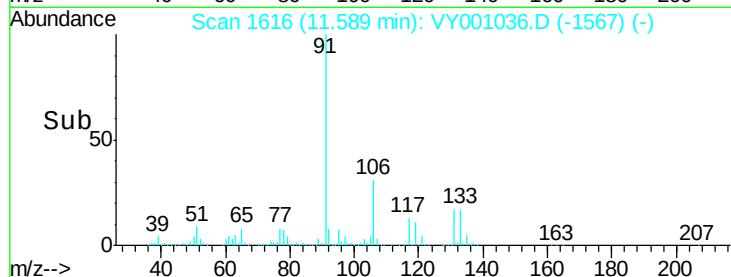
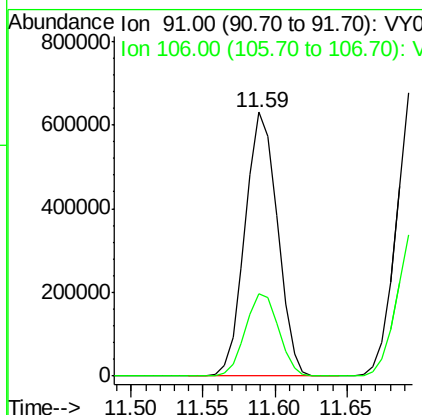
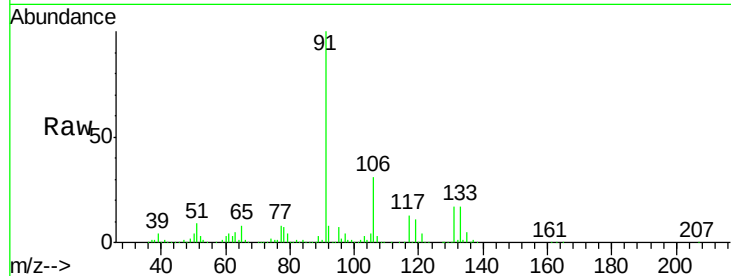
#67
Ethyl Benzene
Concen: 52.745 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.3	37.9

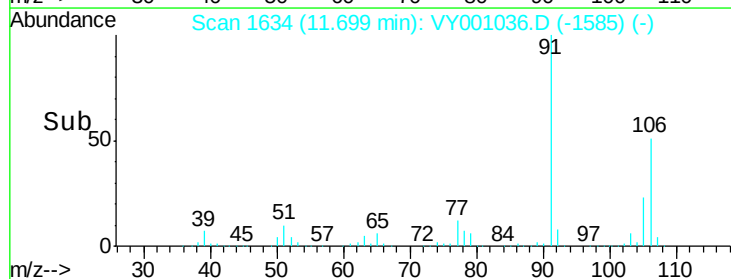
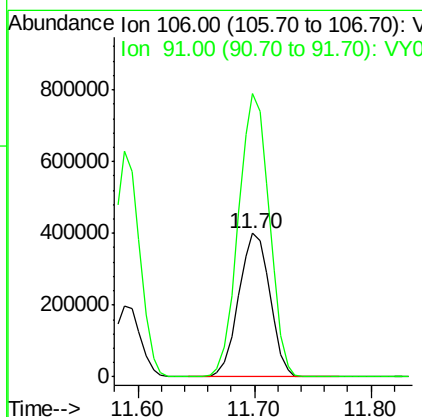
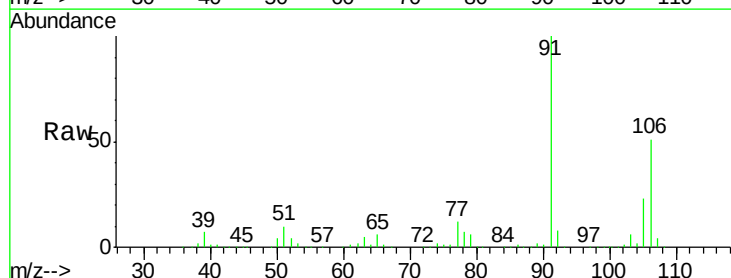
Manual Integrations
APPROVED

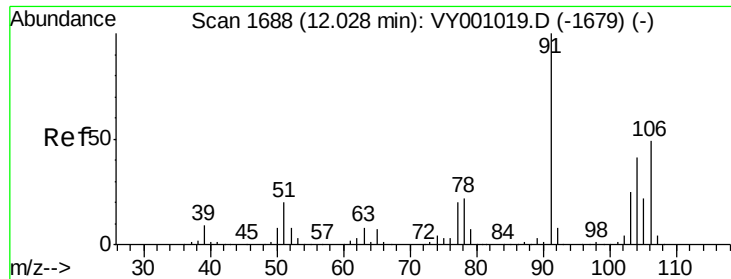
apatel
12/26/2019 12:29:55 PM



#68
m/p-Xylenes
Concen: 105.499 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
106	100		
91	195.1	156.4	234.6





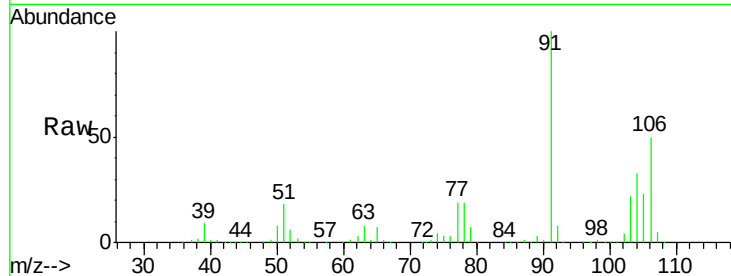
#69
o-Xylene
Concen: 53.149 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

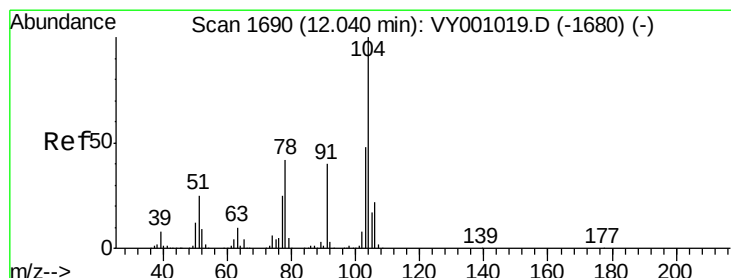
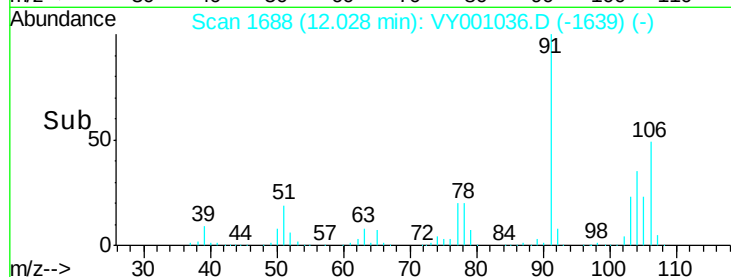
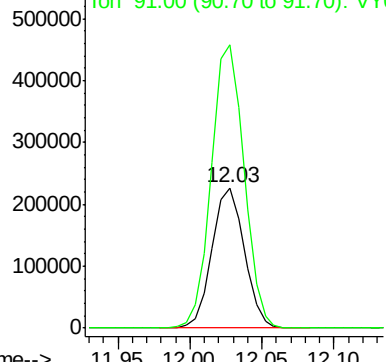
Tot Ion:106 Resp: 353648
Ion Ratio Lower Upper
106 100
91 204.1 103.0 309.0

Manual Integrations
APPROVED

apatel
12/26/2019 12:29:55 PM

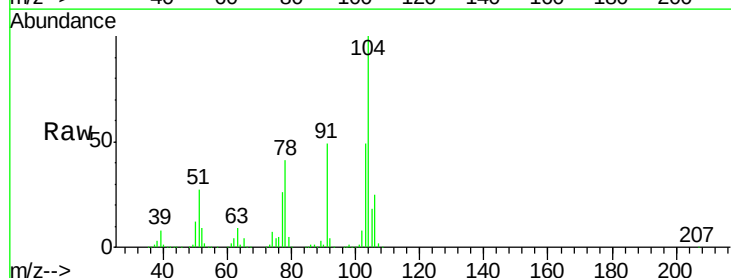


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

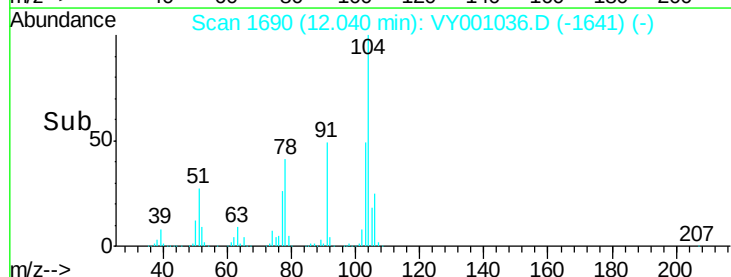
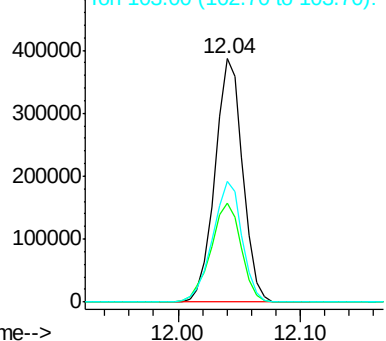


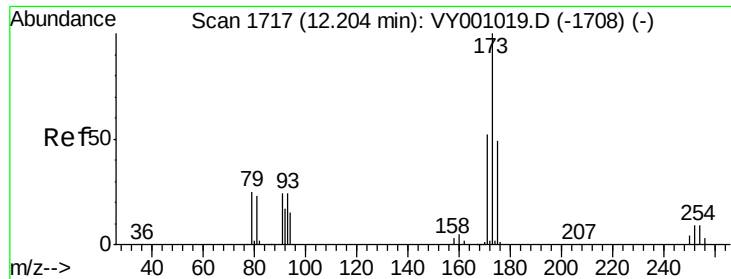
#70
Styrene
Concen: 53.616 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion:104 Resp: 606608
Ion Ratio Lower Upper
104 100
78 44.6 36.6 54.8
103 52.7 42.6 64.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 53.563 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

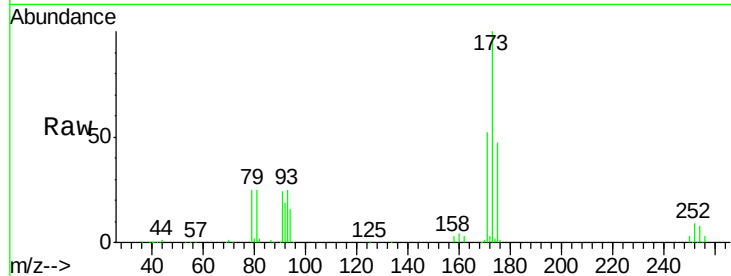
ClientSampleId :

VSTDCCC050

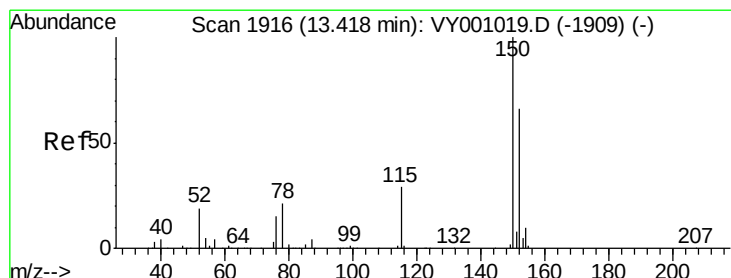
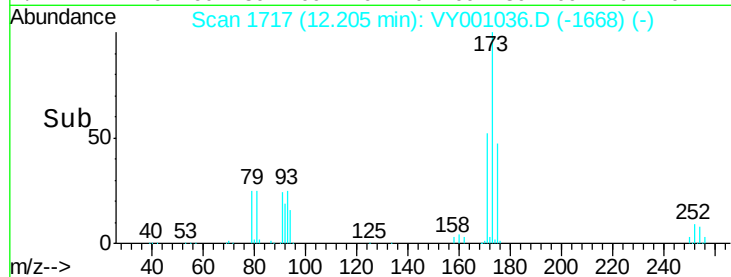
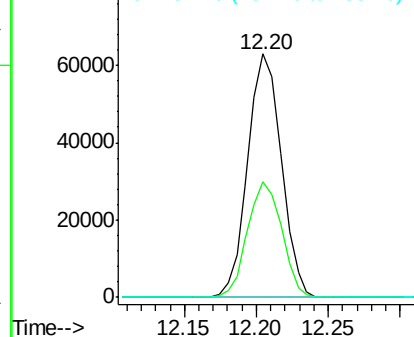
Tot Ion:	173	Resp:	101929
Ion Ratio	Lower	Upper	
173	100		
175	48.0	24.5	73.5
254	0.1	0.0	0.0#

Manual Integrations
APPROVED

apatel
12/26/2019 12:29:55 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

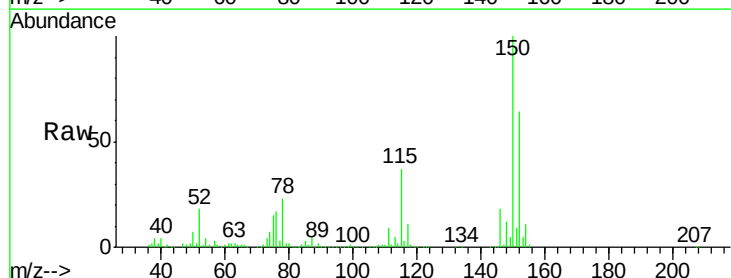
RT: 13.42 min Scan# 1917

Delta R.T. 0.01 min

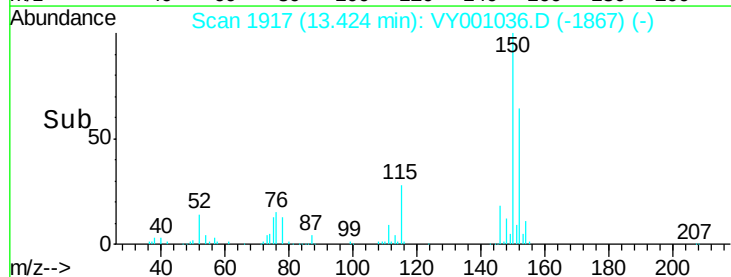
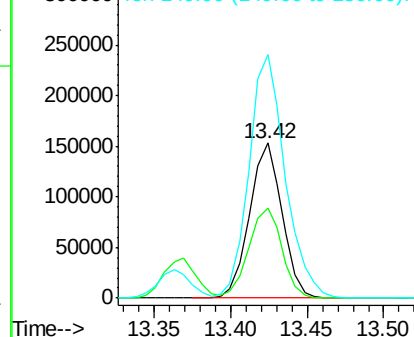
Lab File: VY001036.D

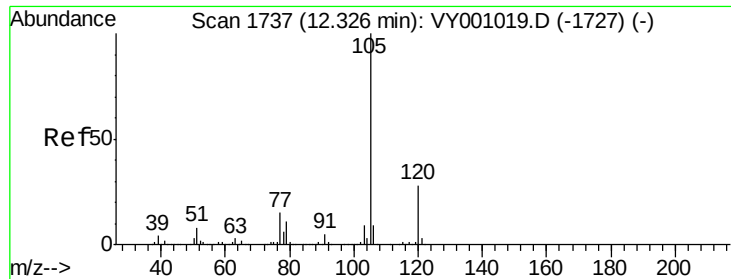
Acq: 24 Dec 2019 10:23

Tgt Ion:	152	Resp:	225346
Ion Ratio	Lower	Upper	
152	100		
115	59.4	29.8	89.3
150	175.0	0.0	352.6



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





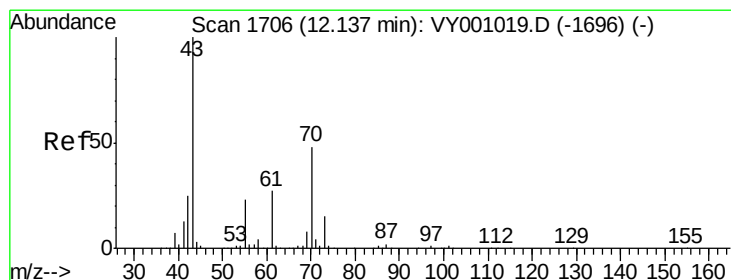
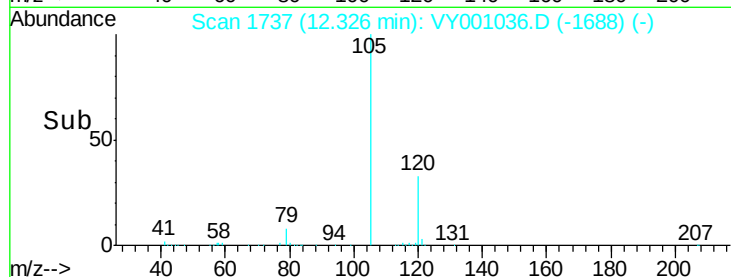
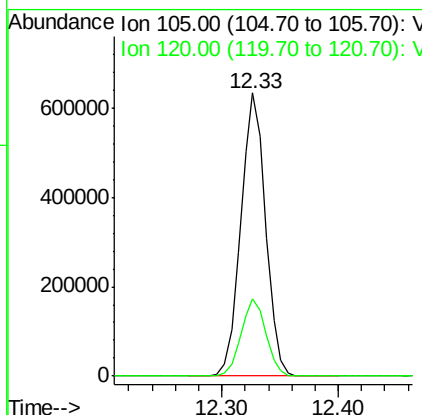
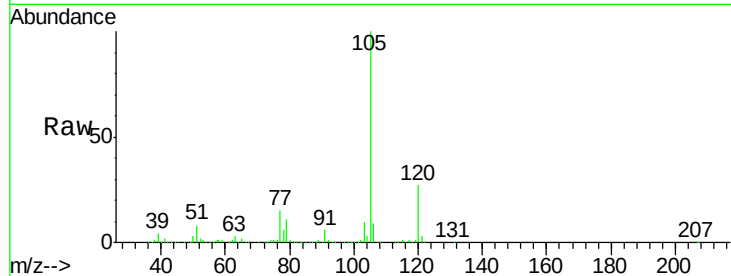
#73
Isopropylbenzene
Concen: 53.747 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.4	40.2

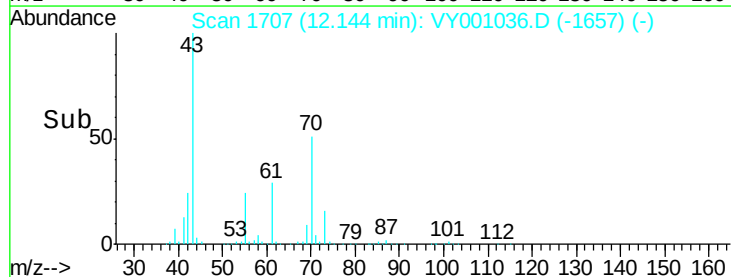
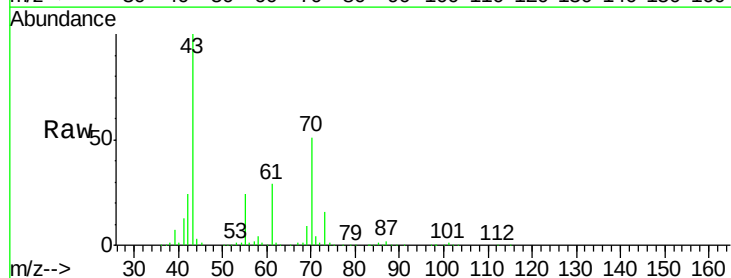
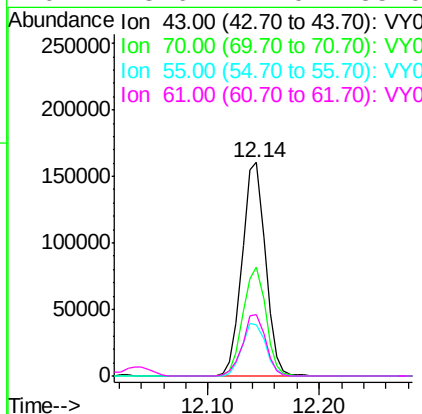
Manual Integrations
APPROVED

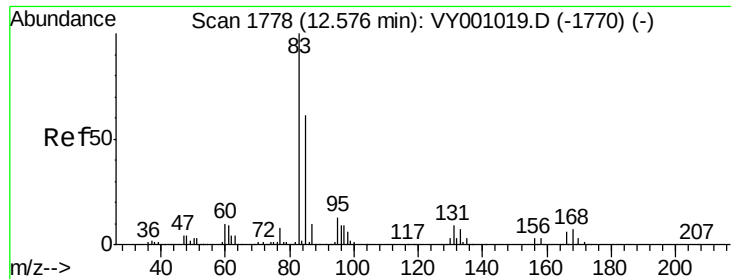
apatel
12/26/2019 12:29:55 PM



#74
N-ethyl acetate
Concen: 51.009 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
43	100		
70	50.4	39.0	58.6
55	25.5	19.5	29.3
61	28.6	22.0	33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.105 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

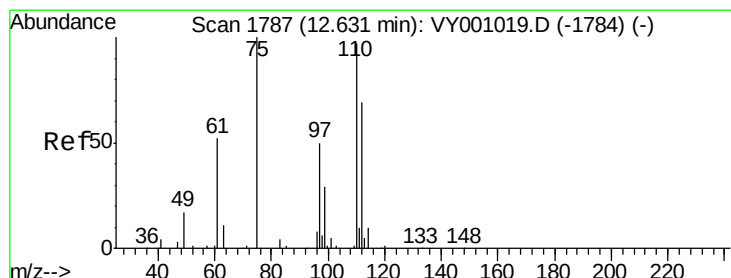
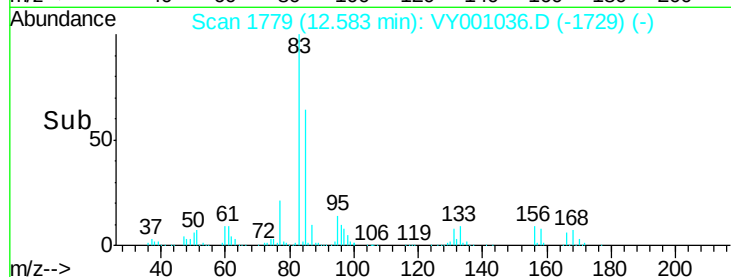
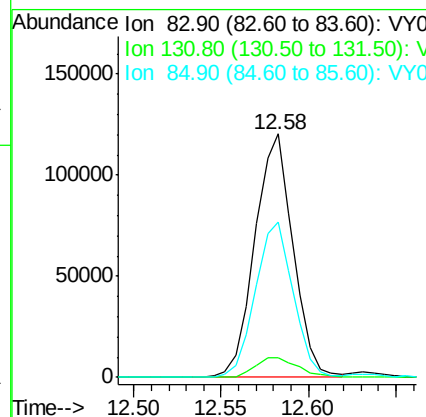
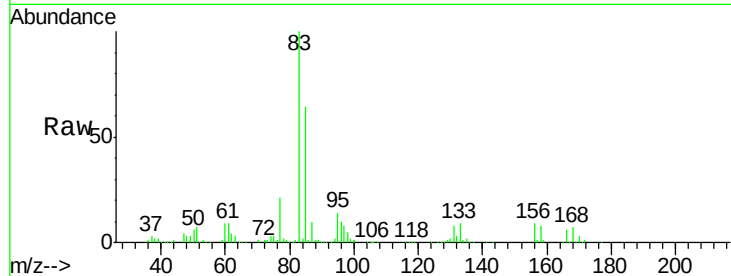
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	182433
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.1	15.3
85	63.4	32.1	96.5

Manual Integrations
APPROVED

apatel
12/26/2019 12:29:55 PM



#76

1,2,3-Trichloropropane

Concen: 44.425 ug/l m

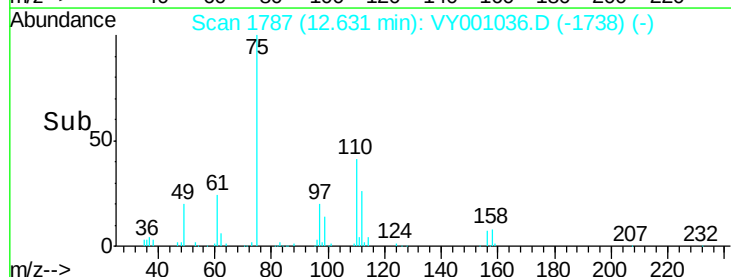
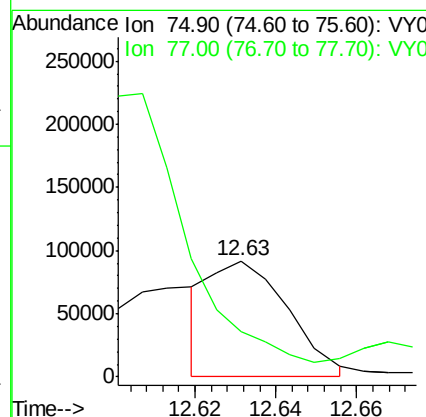
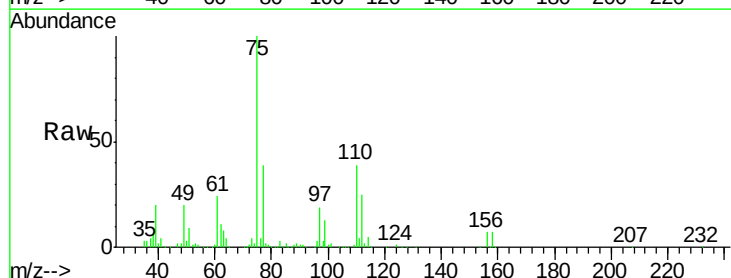
RT: 12.63 min Scan# 1787

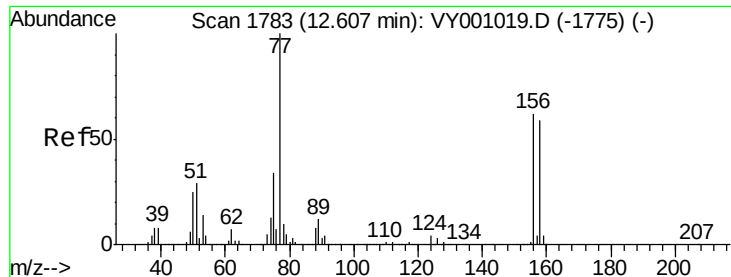
Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Tgt Ion:	75	Resp:	123415
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.443 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

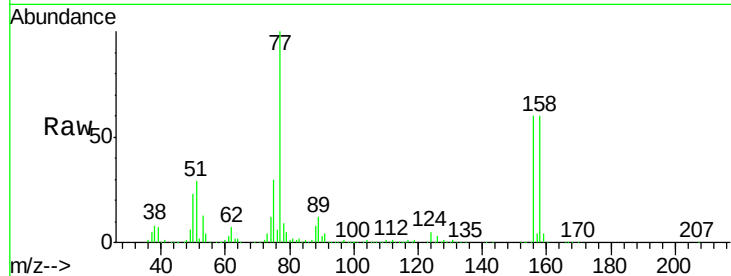
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	209603
Ion Ratio	Lower	Upper	
156	100		
77	193.2	98.0	294.1
158	96.0	48.5	145.6

Manual Integrations
APPROVED

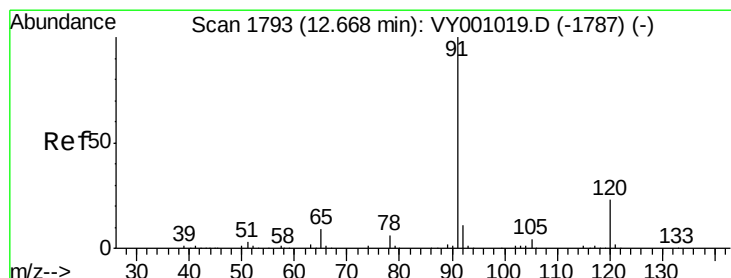
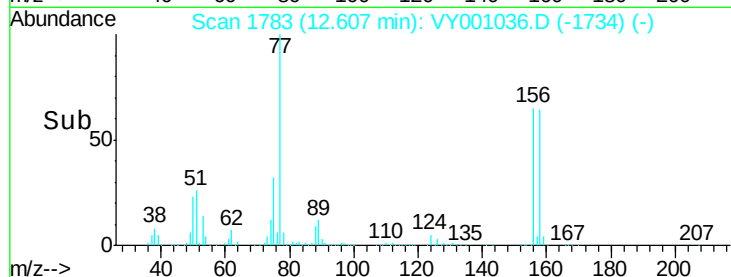
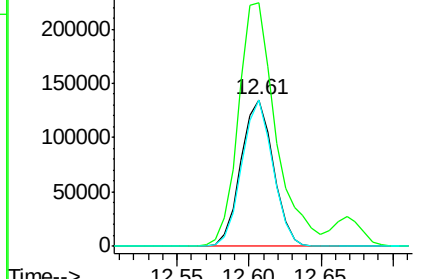
apatel
12/26/2019 12:29:55 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.019 ug/l

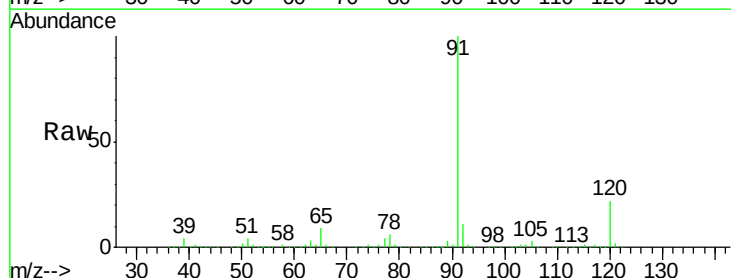
RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001036.D

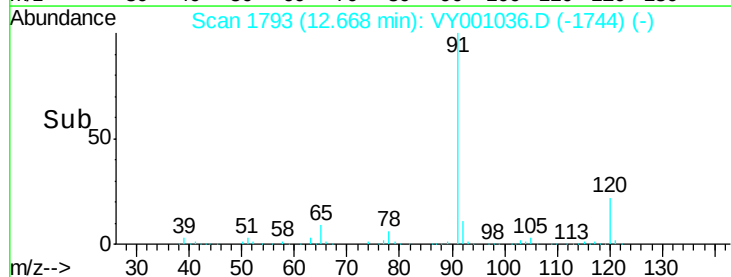
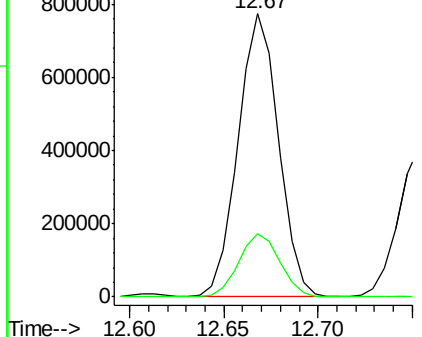
Acq: 24 Dec 2019 10:23

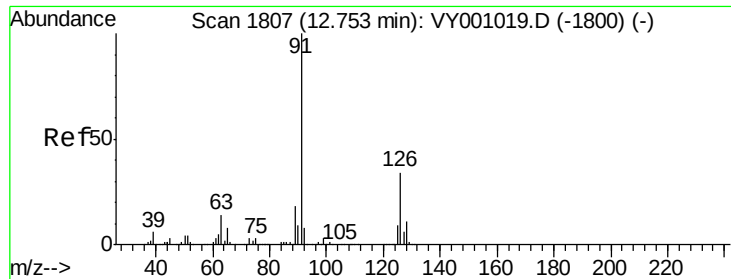
Tgt Ion:	91	Resp:	1147827
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.4	34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.828 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 619903

Ion Ratio Lower Upper

91 100

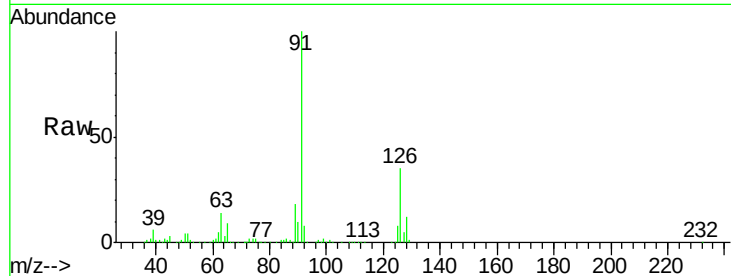
126 35.0 17.3 51.7

Manual Integrations

APPROVED

apatel

12/26/2019 12:29:55 PM



Abundance Ion 91.00 (90.70 to 91.70): VY001019.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY001019.D (-1800) (-)

600000

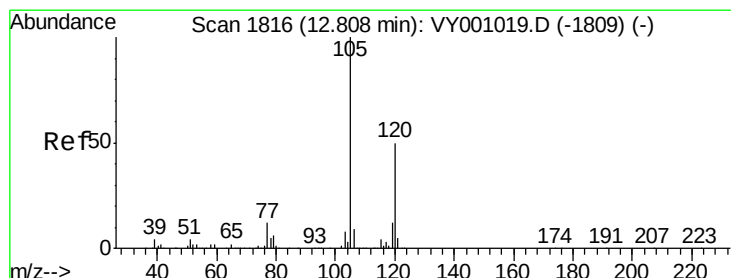
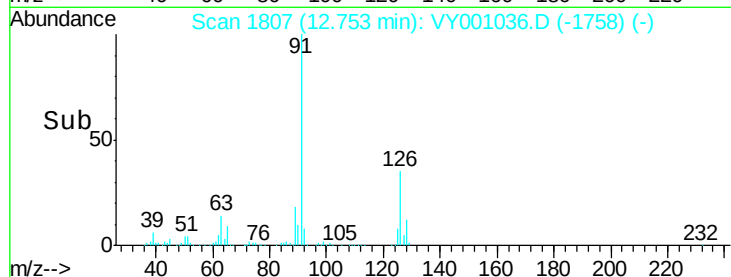
400000

200000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.788 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001036.D

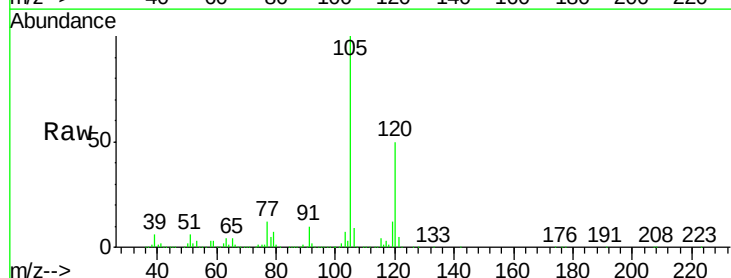
Acq: 24 Dec 2019 10:23

Tgt Ion: 105 Resp: 768853

Ion Ratio Lower Upper

105 100

120 50.3 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VY001019.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY001019.D (-1809) (-)

600000

500000

400000

300000

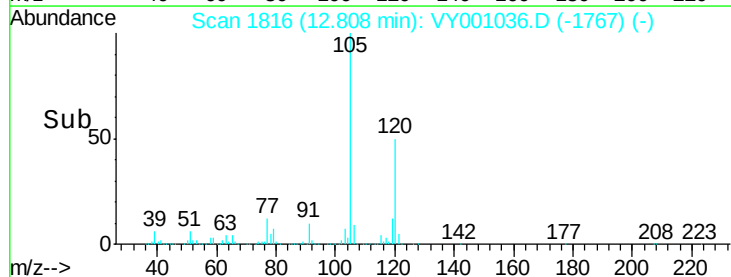
200000

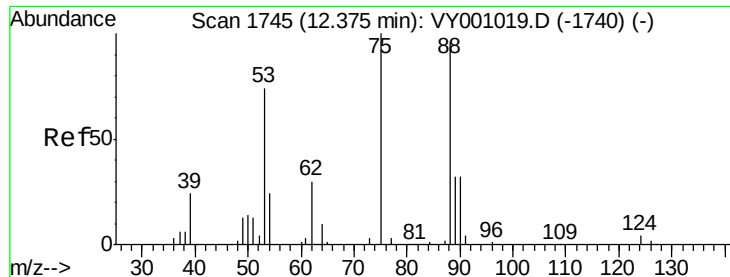
100000

0

12.80 12.81 12.82

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 54.327 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

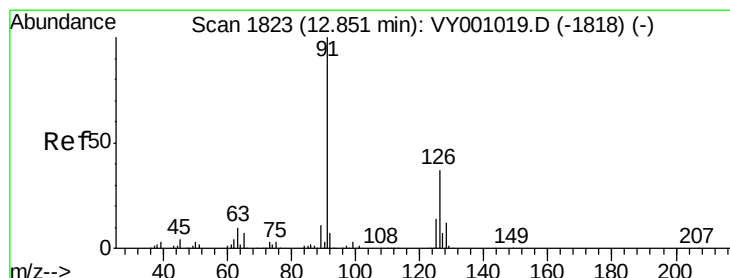
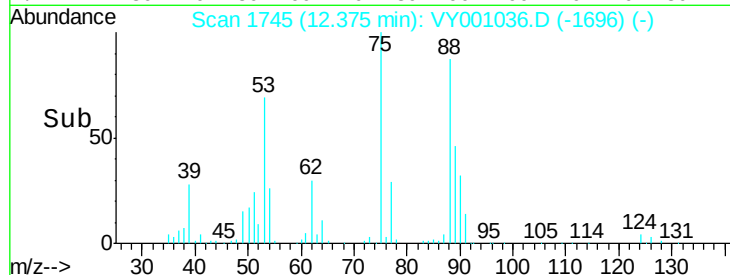
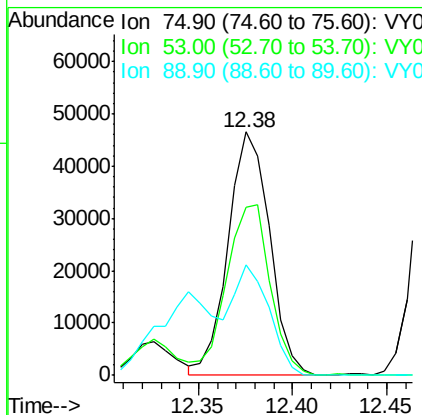
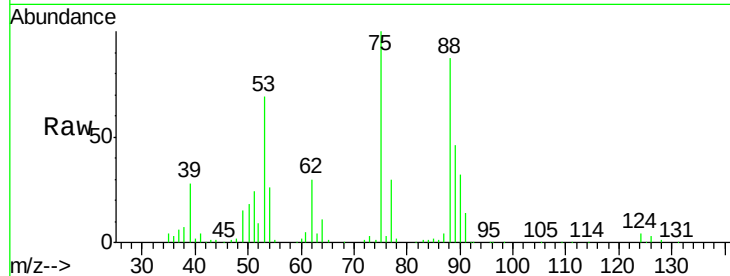
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	70764
Ion	Ratio	Lower	Upper
75	100		
53	74.9	60.6	91.0
89	38.8	35.4	53.0

Manual Integrations
APPROVED

apatel
12/26/2019 12:29:55 PM



#82

4-Chlorotoluene

Concen: 52.570 ug/l

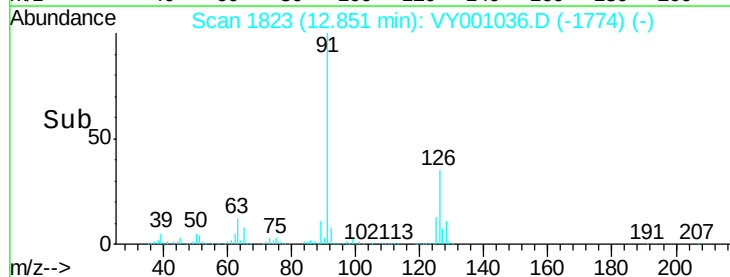
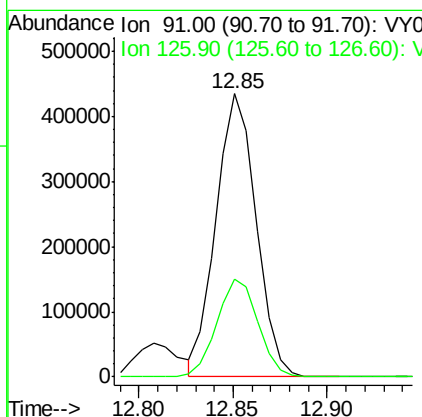
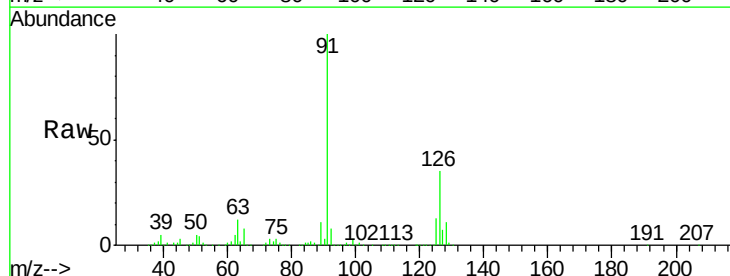
RT: 12.85 min Scan# 1823

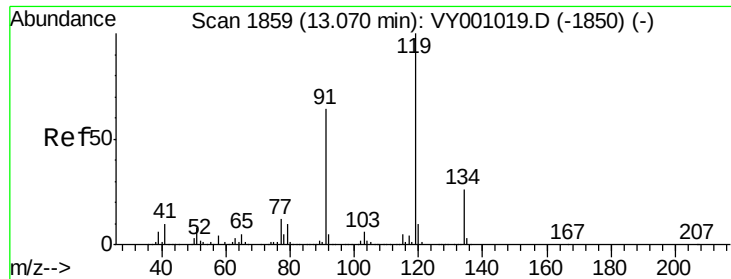
Delta R.T. 0.00 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Tgt Ion:	91	Resp:	640732
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.6	52.8





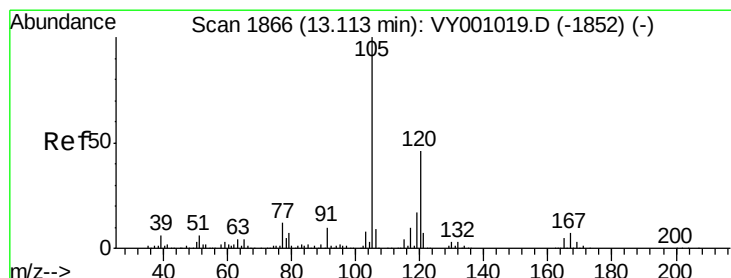
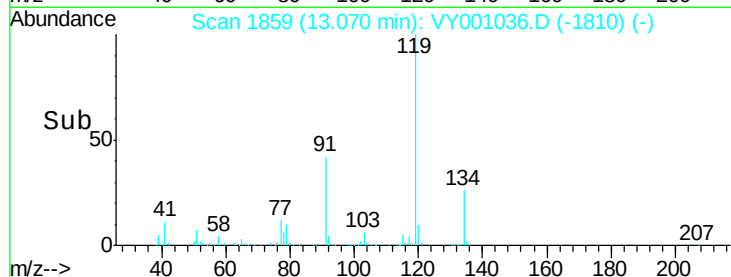
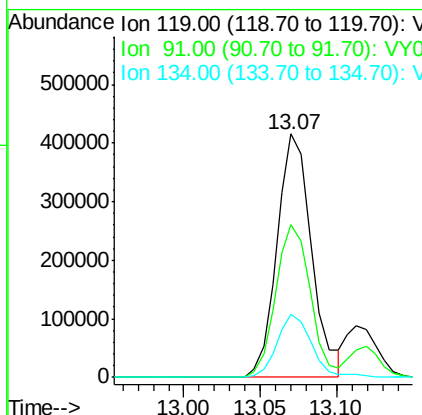
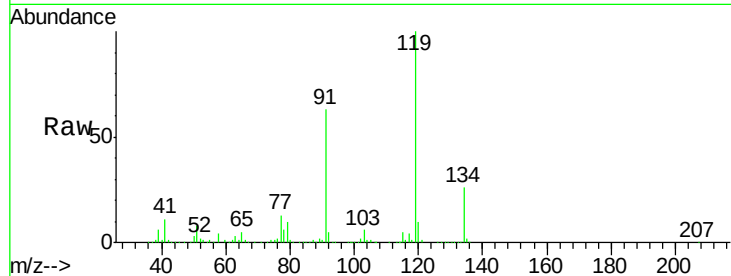
#83
 tert-Butylbenzene
 Concen: 54.364 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	652308		
91	62.8		31.9	95.7
134	26.0		13.6	40.7

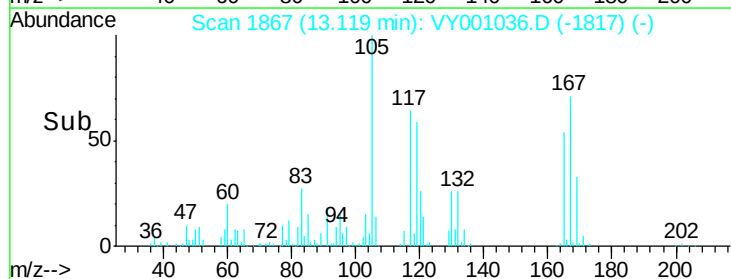
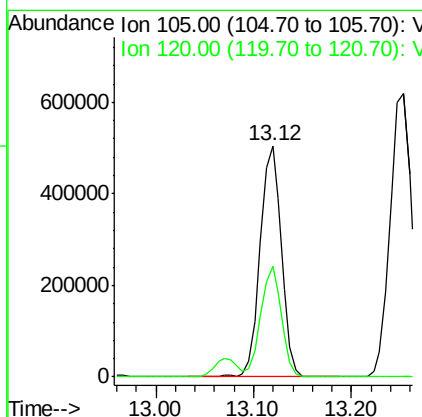
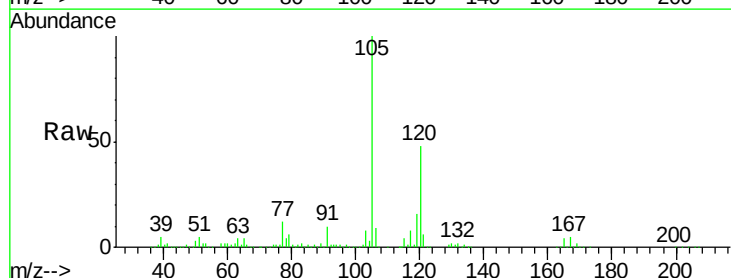
Manual Integrations
 APPROVED

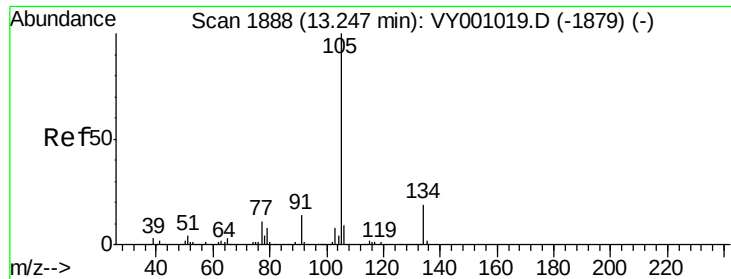
apatel
 12/26/2019 12:29:55 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.452 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	767776		
120	46.5		23.4	70.2





#85

sec-Butylbenzene

Concen: 54.065 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 956359

Ion Ratio Lower Upper

105 100

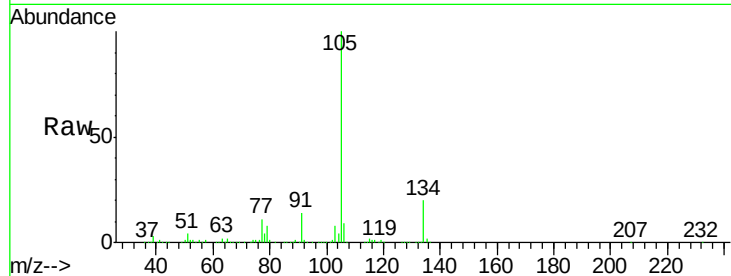
134 19.7 10.0 30.0

Manual Integrations

APPROVED

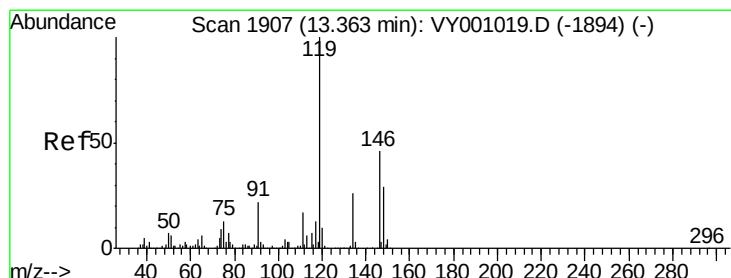
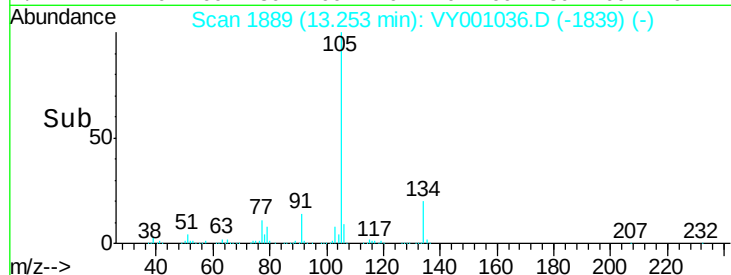
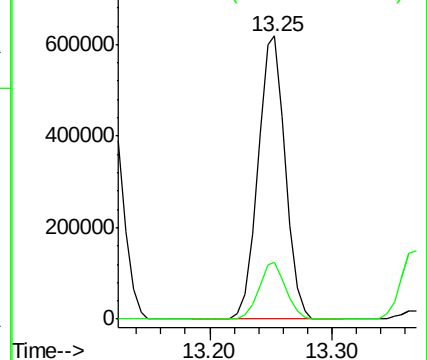
apatel

12/26/2019 12:29:55 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.261 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY001036.D

Acq: 24 Dec 2019 10:23

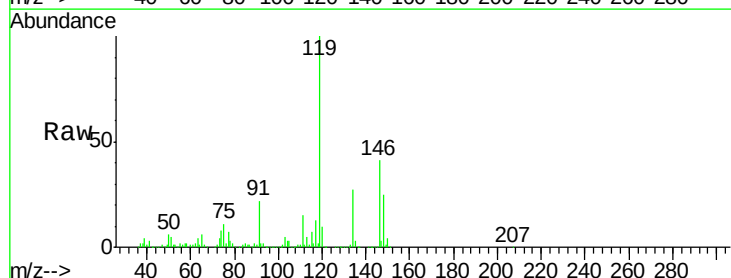
Tgt Ion:119 Resp: 830534

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

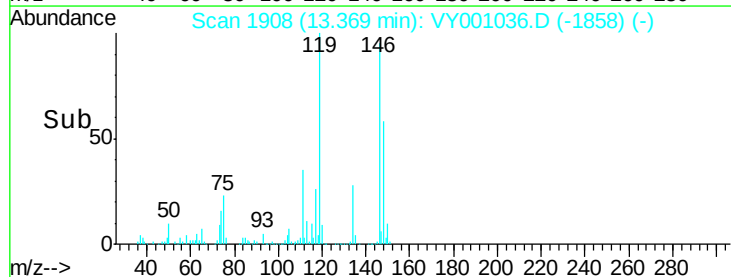
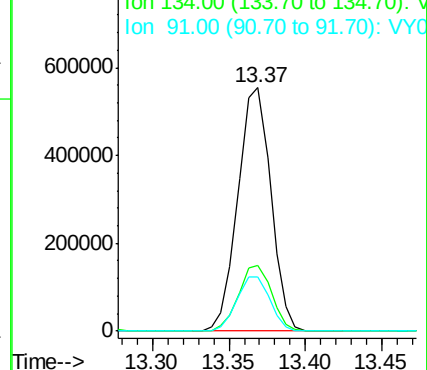
91 22.6 11.4 34.1

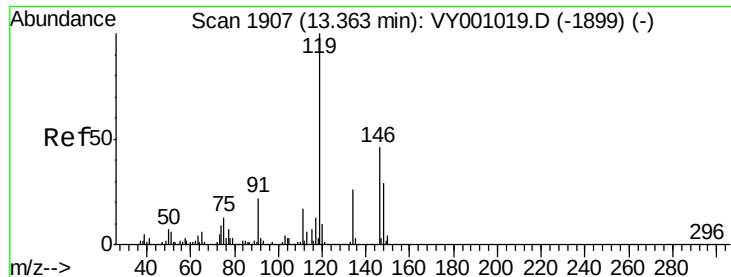


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





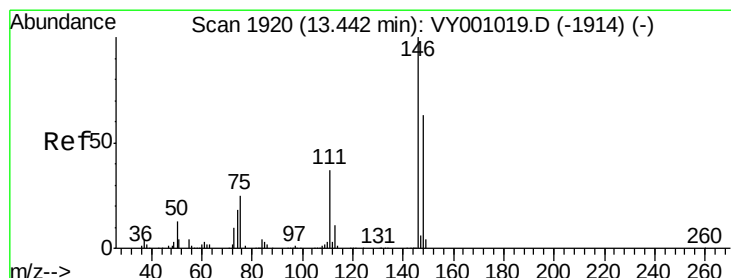
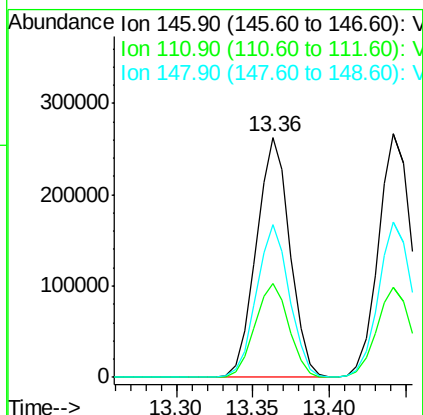
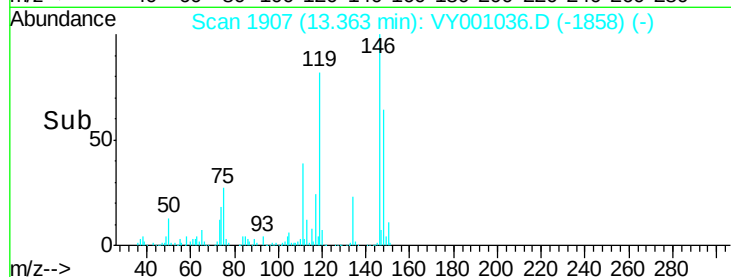
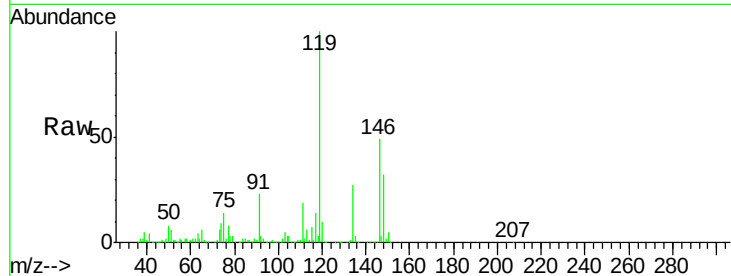
#87
 1,3-Dichlorobenzene
 Concen: 53.308 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	401540		
111	39.5	19.7	59.0	
148	62.6	31.9	95.5	

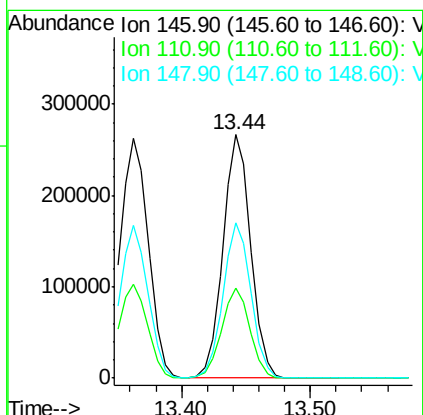
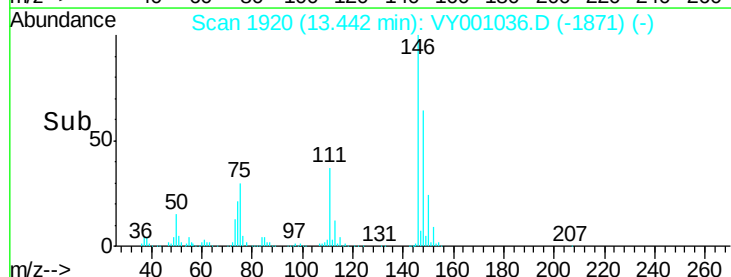
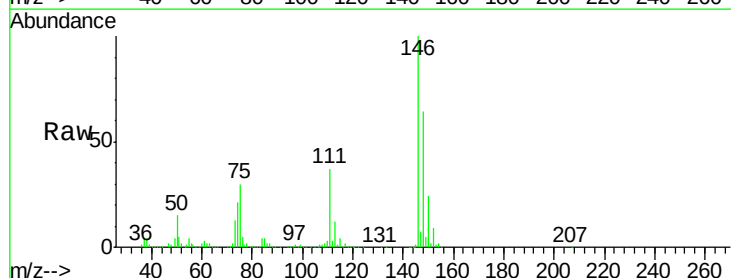
Manual Integrations
 APPROVED

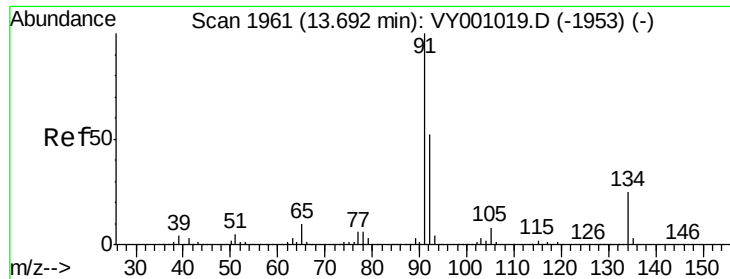
apatel
 12/26/2019 12:29:55 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.861 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	401670		
111	37.8	19.4	58.2	
148	64.0	31.8	95.3	





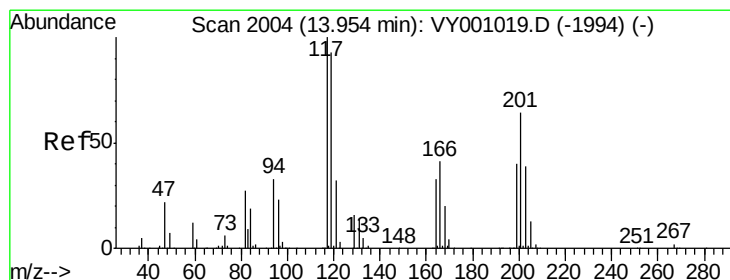
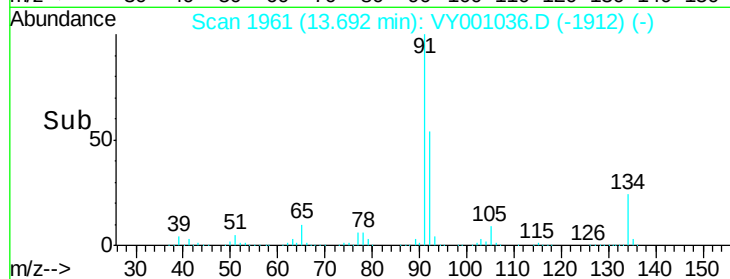
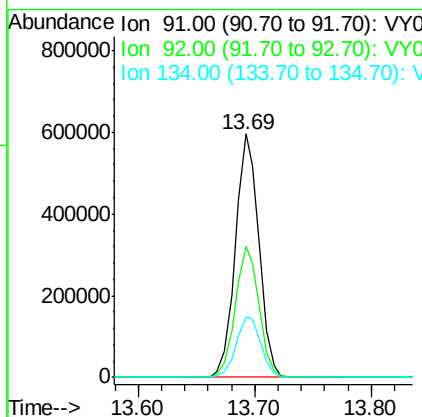
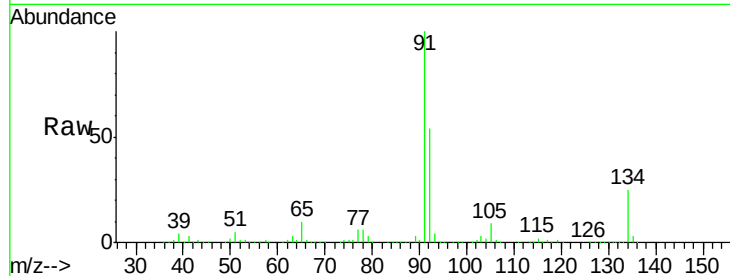
#89
n-Butylbenzene
Concen: 54.212 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.9	80.7
134	25.9	12.7	38.0

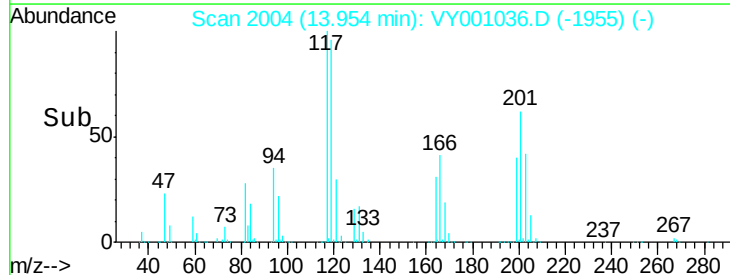
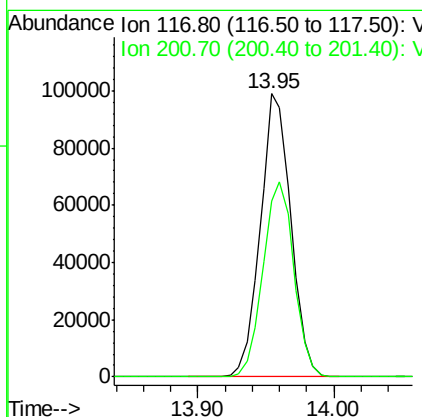
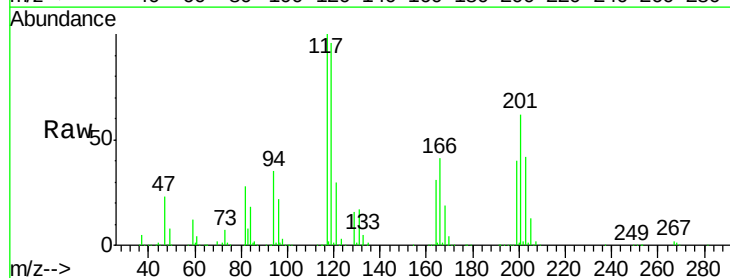
Manual Integrations
APPROVED

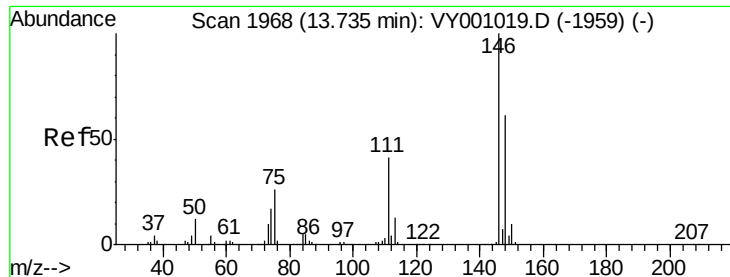
apatel
12/26/2019 12:29:55 PM



#90
Hexachloroethane
Concen: 54.102 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.8	33.7	101.1





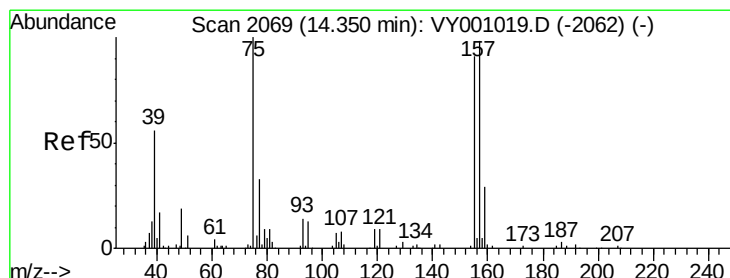
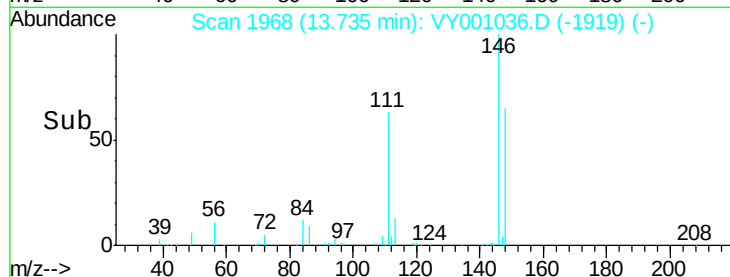
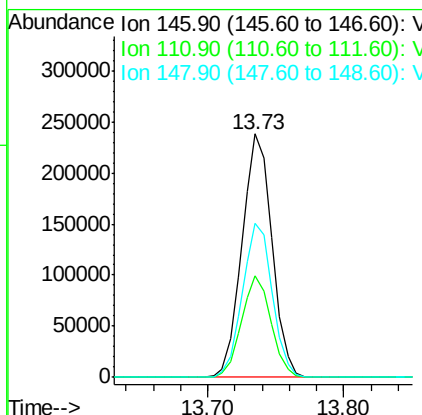
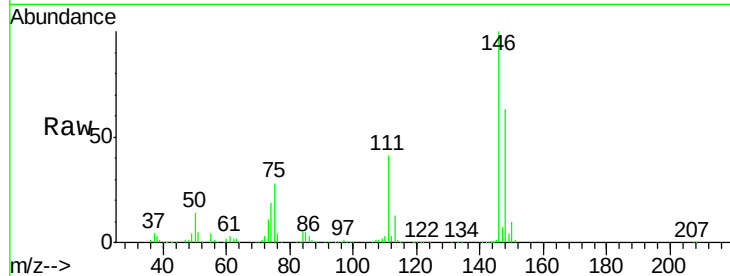
#91
 1,2-Dichlorobenzene
 Concen: 52.836 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.6	61.9
148	62.7	31.6	94.7

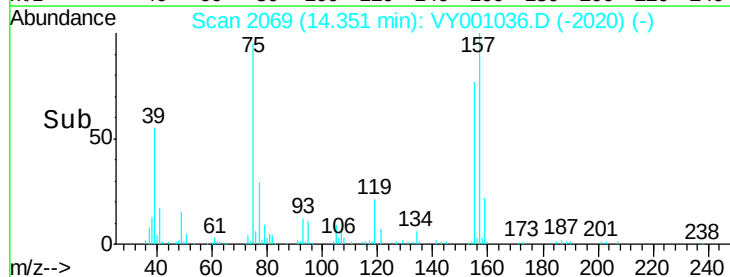
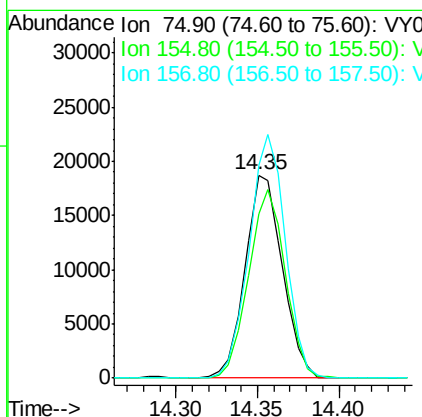
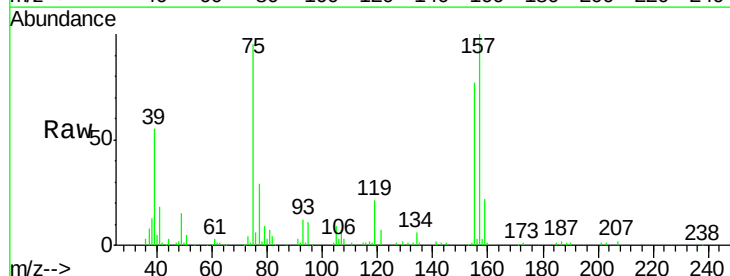
Manual Integrations
 APPROVED

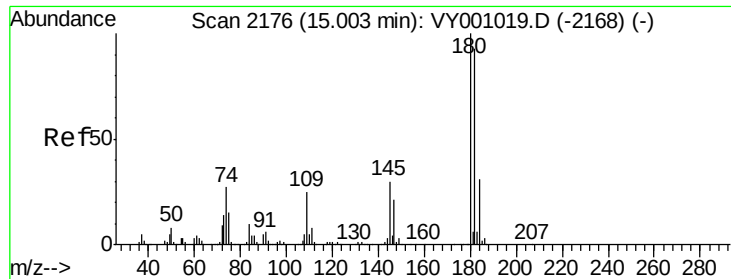
apatel
 12/26/2019 12:29:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.808 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	46.3	138.9
157	116.7	58.1	174.4





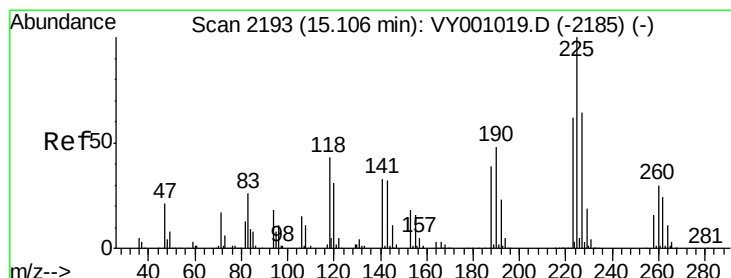
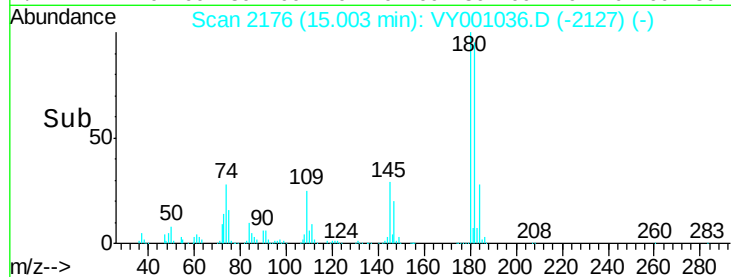
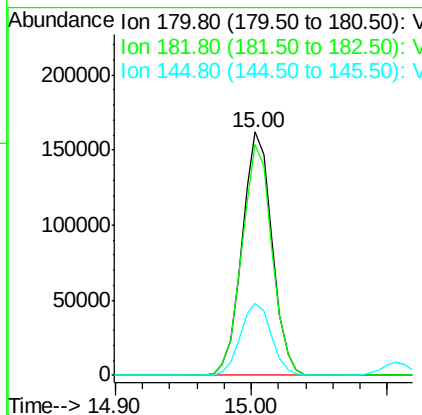
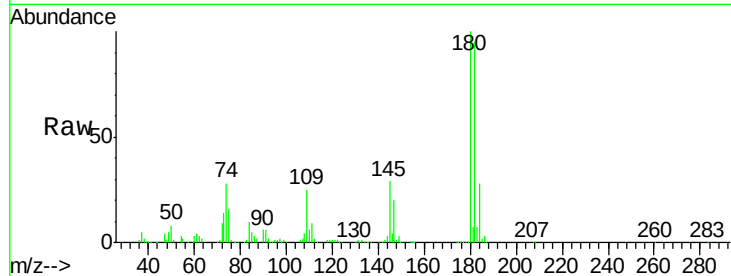
#93
 1,2,4-Trichlorobenzene
 Concen: 53.113 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	249098		
182	95.3	46.8	140.3	
145	30.6	15.3	45.9	

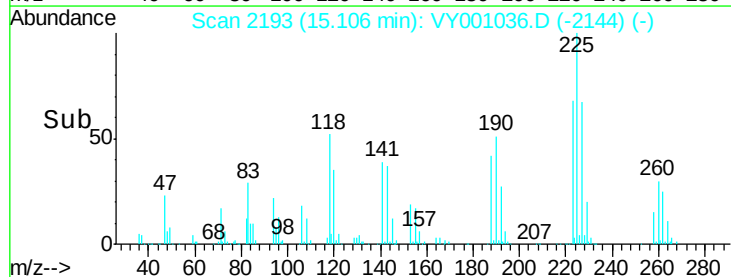
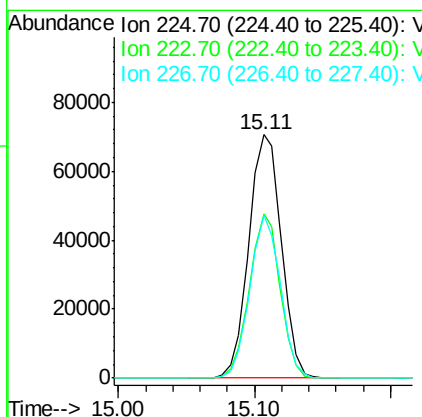
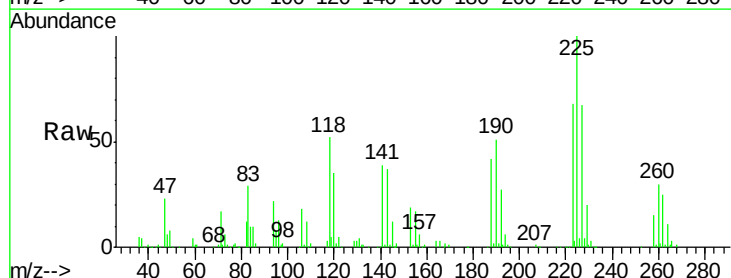
Manual Integrations
 APPROVED

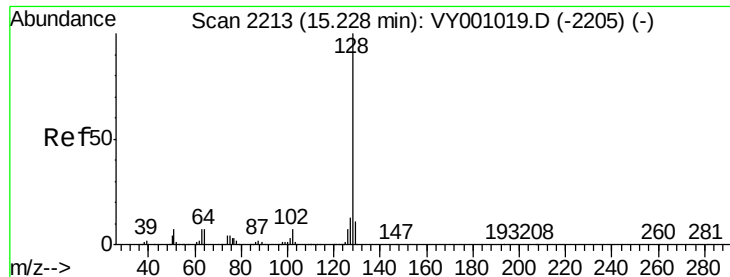
apatel
 12/26/2019 12:29:55 PM



#94
 Hexachlorobutadiene
 Concen: 53.033 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001036.D
 Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	118358		
223	63.8	31.6	94.8	
227	62.8	31.9	95.5	





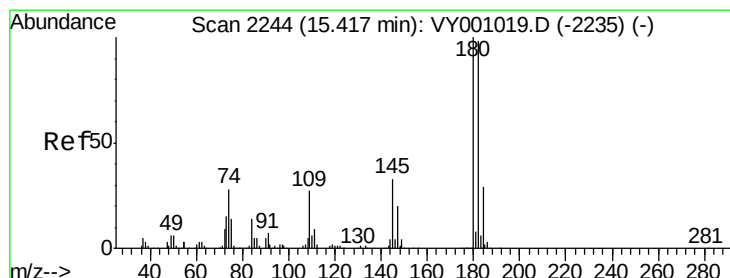
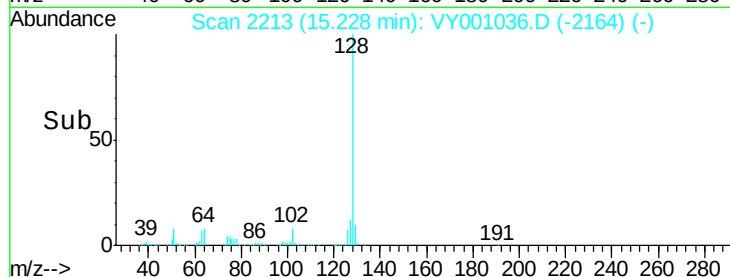
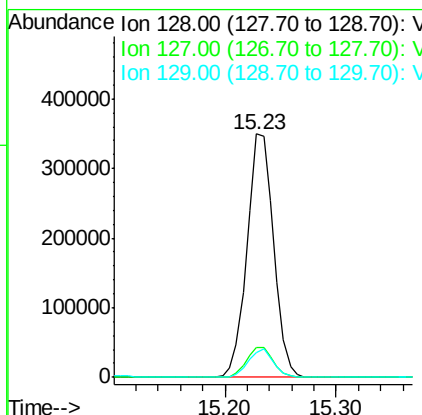
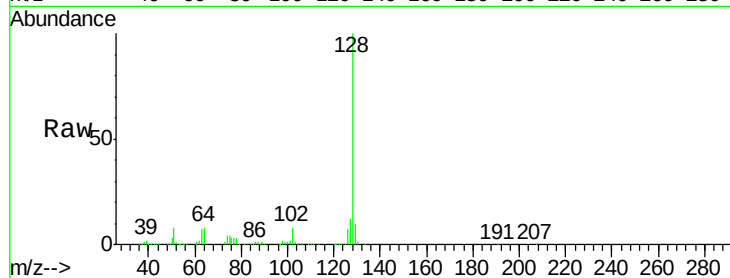
#95
Naphthalene
Concen: 52.604 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.3	9.9	14.9
129	11.1	8.6	13.0

Manual Integrations
APPROVED

apatel
12/26/2019 12:29:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.753 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001036.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.4	47.9	143.8
145	32.8	16.3	48.9

