

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
 Data File : VY001088.D
 Acq On : 27 Dec 2019 11:09
 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
 12/30/2019 3:33:06 PM

Quant Time: Dec 28 04:15:07 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	305777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	530854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	465919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	207534	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	144486	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
35) Dibromofluoromethane	7.73	113	151462	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	10.18	98	637585	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.48	95	204016	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	128891	48.374	ug/l	98
3) Chloromethane	2.12	50	156283	43.096	ug/l	97
4) Vinyl Chloride	2.26	62	163182	46.336	ug/l	97
5) Bromomethane	2.65	94	104540	46.967	ug/l	100
6) Chloroethane	2.80	64	107165	48.857	ug/l	94
7) Trichlorofluoromethane	3.13	101	268822	52.043	ug/l	97
8) Diethyl Ether	3.54	74	113289	53.729	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.90	101	189440	55.832	ug/l	98
10) Methyl Iodide	4.10	142	241442	51.503	ug/l	99
11) Tert butyl alcohol	4.96	59	85768	258.651	ug/l	99
12) 1,1-Dichloroethene	3.88	96	182311	53.072	ug/l	94
13) Acrolein	3.73	56	104971	255.491	ug/l	99
14) Allyl chloride	4.49	41	272970	51.152	ug/l	98
15) Acrylonitrile	5.18	53	299566	284.278	ug/l	99
16) Acetone	3.96	43	156348	225.038	ug/l	99
17) Carbon Disulfide	4.20	76	478423	42.621	ug/l	97
18) Methyl Acetate	4.49	43	138475	51.951	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	494084	55.727	ug/l	99
20) Methylene Chloride	4.72	84	211114	51.625	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	202819	53.275	ug/l	96
22) Diisopropyl ether	6.13	45	558687	51.795	ug/l	98
23) Vinyl Acetate	6.07	43	1769952	259.823	ug/l	100
24) 1,1-Dichloroethane	6.02	63	341668	53.601	ug/l	97
25) 2-Butanone	6.99	43	305986	250.702	ug/l	93
26) 2,2-Dichloropropane	6.99	77	288649	55.117	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	235739	56.363	ug/l	96
28) Bromochloromethane	7.34	49	118999	47.846	ug/l	92
29) Tetrahydrofuran	7.36	42	220431	253.898	ug/l	95
30) Chloroform	7.52	83	335007	55.580	ug/l	100
31) Cyclohexane	7.79	56	307358	45.855	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	286323	55.687	ug/l	99
36) 1,1-Dichloropropene	7.92	75	271049	53.522	ug/l	98
37) Ethyl Acetate	7.08	43	147986	52.774	ug/l	98
38) Carbon Tetrachloride	7.91	117	250723	56.506	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
 Data File : VY001088.D
 Acq On : 27 Dec 2019 11:09
 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
 12/30/2019 3:33:06 PM

Quant Time: Dec 28 04:15:07 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	352764	52.454	ug/l	98
40) Benzene	8.17	78	842652	55.154	ug/l	96
41) Methacrylonitrile	7.32	41	58130m	47.814	ug/l	
42) 1,2-Dichloroethane	8.24	62	197128	53.966	ug/l	100
43) Isopropyl Acetate	8.28	43	275454	53.064	ug/l	97
44) Trichloroethene	8.94	130	227820	56.594	ug/l	97
45) 1,2-Dichloropropane	9.22	63	209641	54.696	ug/l	99
46) Dibromomethane	9.31	93	110855	56.107	ug/l	99
47) Bromodichloromethane	9.50	83	259852	56.778	ug/l	97
48) Methyl methacrylate	9.30	41	115194	52.002	ug/l	90
49) 1,4-Dioxane	9.30	88	33867	1171.776	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	718654	265.617	ug/l	98
52) Toluene	10.24	92	526623	56.002	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	282347	56.845	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	333692	55.871	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	169841	57.581	ug/l	96
56) Ethyl methacrylate	10.51	69	237698	56.622	ug/l	96
57) 1,3-Dichloropropane	10.79	76	287309	55.571	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	384109	236.897	ug/l	99
59) 2-Hexanone	10.83	43	501520	267.889	ug/l	98
60) Dibromochloromethane	10.99	129	187370	59.469	ug/l	98
61) 1,2-Dibromoethane	11.09	107	163456	57.951	ug/l	100
64) Tetrachloroethene	10.72	164	228636	56.715	ug/l	97
65) Chlorobenzene	11.52	112	551751	57.090	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	187922	58.921	ug/l	99
67) Ethyl Benzene	11.59	91	997801	57.400	ug/l	100
68) m/p-Xylenes	11.70	106	761576	115.383	ug/l	98
69) o-Xylene	12.03	106	355735	57.289	ug/l	98
70) Styrene	12.04	104	619041	58.631	ug/l	99
71) Bromoform	12.20	173	105958	59.665	ug/l #	100
73) Isopropylbenzene	12.33	105	943900	58.774	ug/l	99
74) N-amyl acetate	12.14	43	225019	53.333	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	187287	59.197	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	130386m	50.962	ug/l	
77) Bromobenzene	12.61	156	212519	58.838	ug/l	97
78) n-propylbenzene	12.67	91	1147681	58.648	ug/l	100
79) 2-Chlorotoluene	12.75	91	617786	57.166	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	763432	57.993	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	72953	60.814	ug/l	99
82) 4-Chlorotoluene	12.85	91	629992	56.125	ug/l	97
83) tert-Butylbenzene	13.07	119	668035	60.453	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	767885	58.048	ug/l	100
85) sec-Butylbenzene	13.25	105	952573	58.472	ug/l	99
86) p-Isopropyltoluene	13.37	119	835120	59.243	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	402930	58.084	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	404438	57.794	ug/l	99
89) n-Butylbenzene	13.69	91	823609	58.072	ug/l	99
90) Hexachloroethane	13.95	117	159965	60.232	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	369821	57.793	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	28688	54.197	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
Data File : VY001088.D
Acq On : 27 Dec 2019 11:09
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

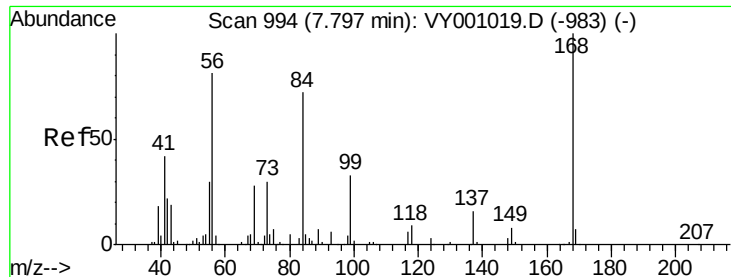
Manual Integrations
APPROVED

apatel
12/30/2019 3:33:06 PM

Quant Time: Dec 28 04:15:07 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	248005	57.419	ug/l	100
94) Hexachlorobutadiene	15.11	225	119960	58.364	ug/l	99
95) Naphthalene	15.23	128	580532	57.152	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	216652	56.246	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 305777

Ion Ratio Lower Upper

168 100

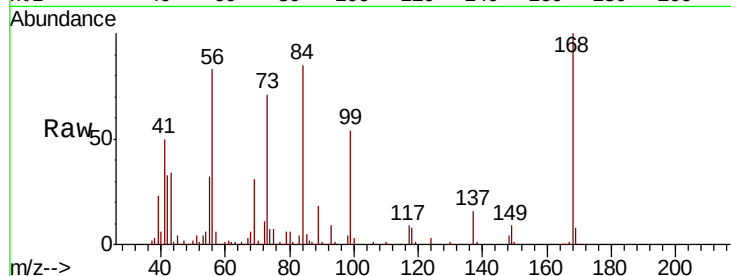
99 53.6 44.0 66.0

Manual Integrations

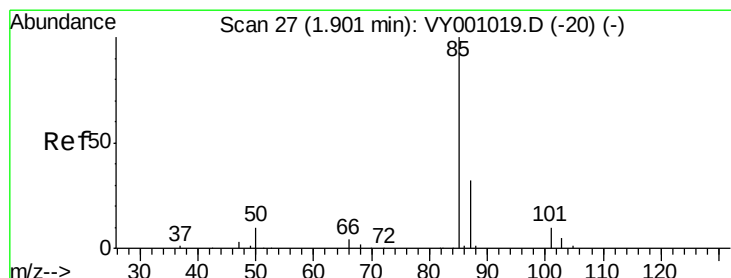
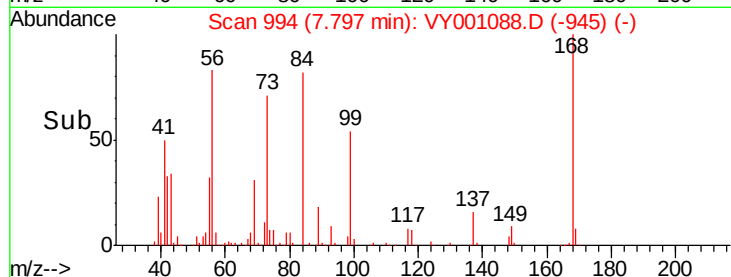
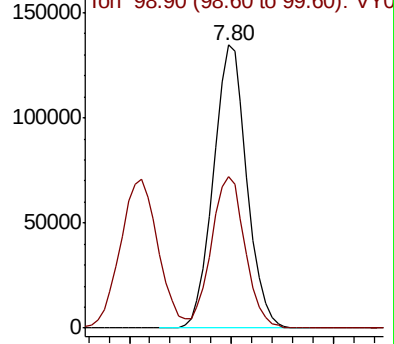
APPROVED

apatel

12/30/2019 3:33:06 PM



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



#2

Dichlorodifluoromethane

Concen: 48.374 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001088.D

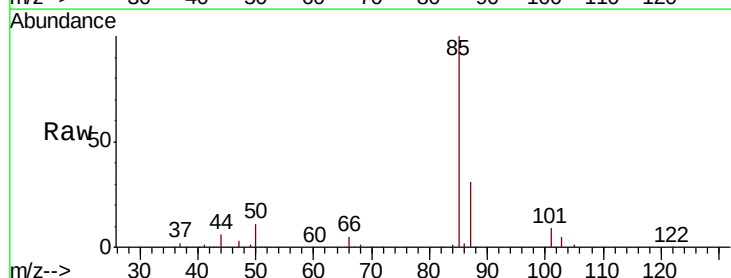
Acq: 27 Dec 2019 11:09

Tgt Ion: 85 Resp: 128891

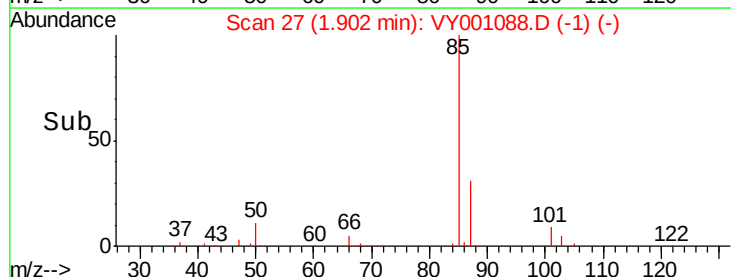
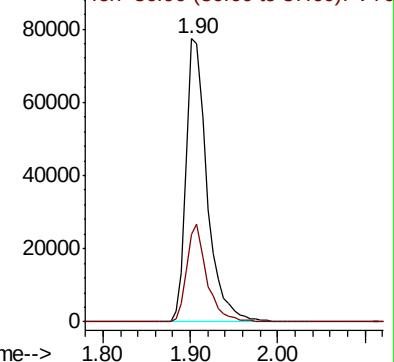
Ion Ratio Lower Upper

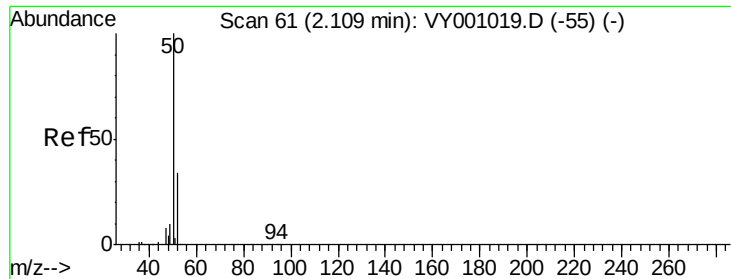
85 100

87 30.8 15.9 47.7



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





#3

Chloromethane

Concen: 43.096 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 156283

Ion Ratio Lower Upper

50 100

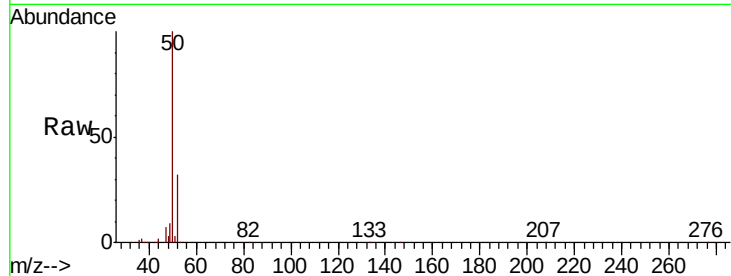
52 32.2 27.1 40.7

Manual Integrations

APPROVED

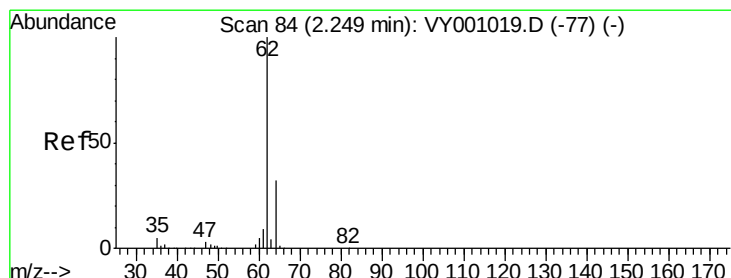
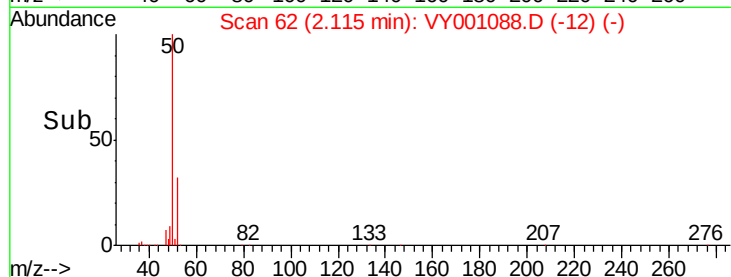
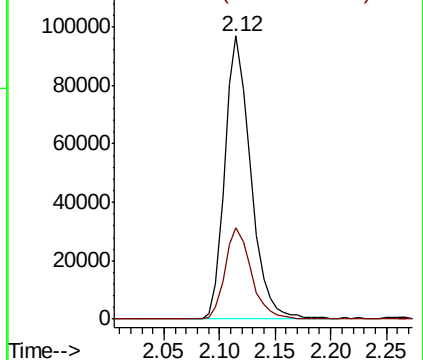
apatel

12/30/2019 3:33:06 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 46.336 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001088.D

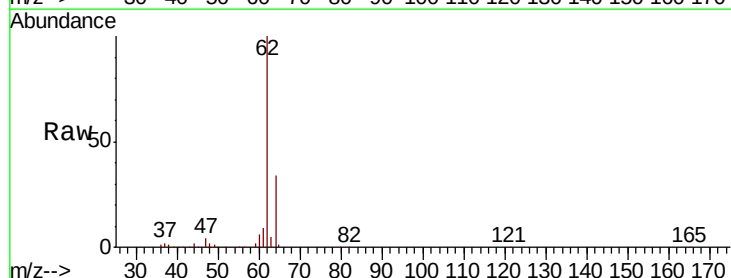
Acq: 27 Dec 2019 11:09

Tgt Ion: 62 Resp: 163182

Ion Ratio Lower Upper

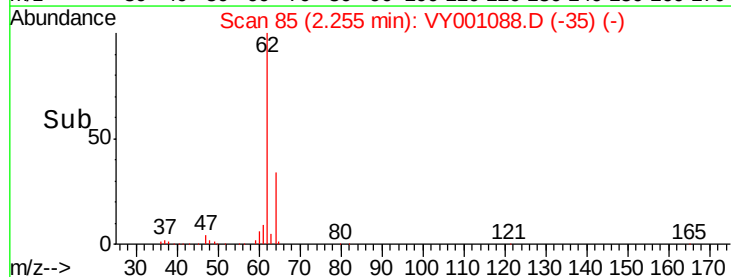
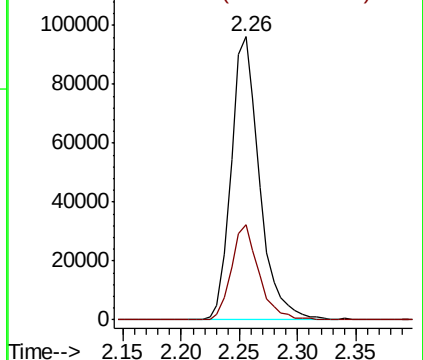
62 100

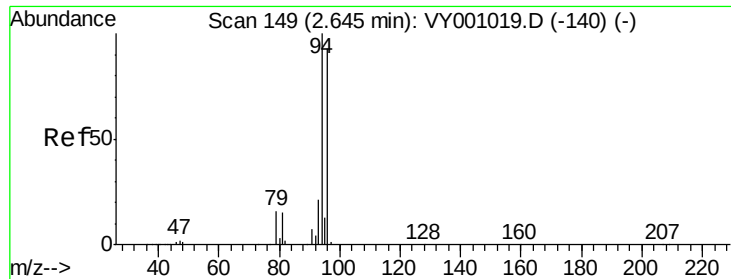
64 33.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 46.967 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 104540

Ion Ratio Lower Upper

94 100

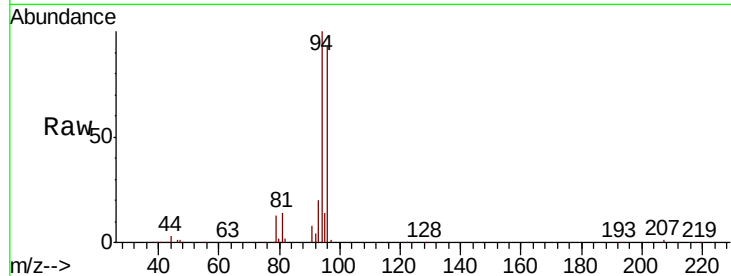
96 92.9 74.2 111.4

Manual Integrations

APPROVED

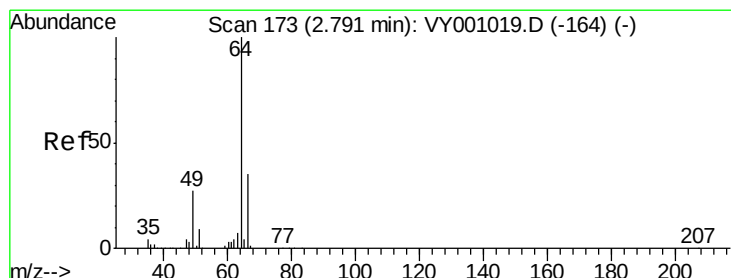
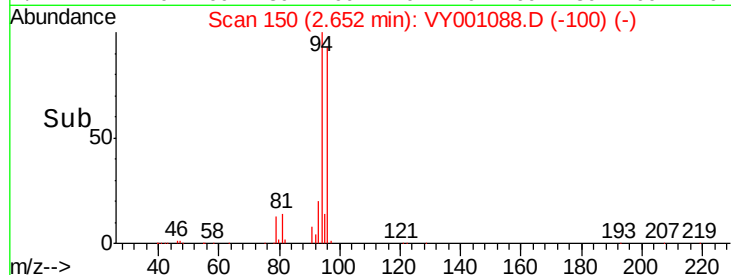
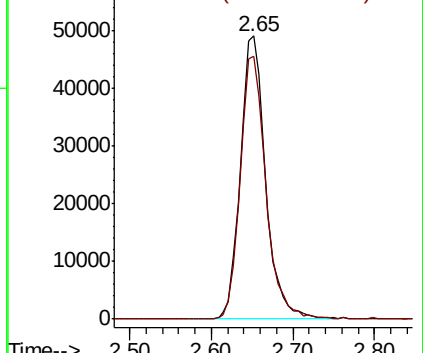
apatel

12/30/2019 3:33:06 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 48.857 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY001088.D

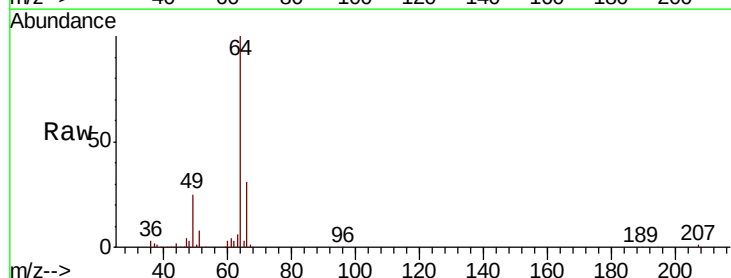
Acq: 27 Dec 2019 11:09

Tgt Ion: 64 Resp: 107165

Ion Ratio Lower Upper

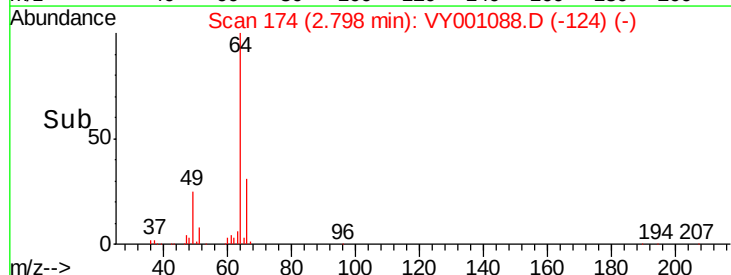
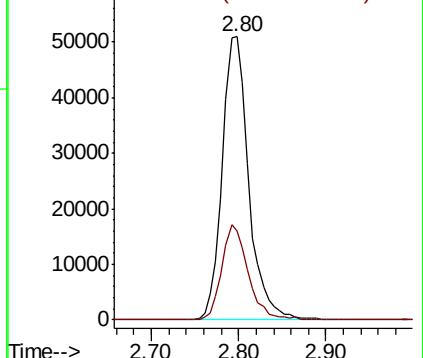
64 100

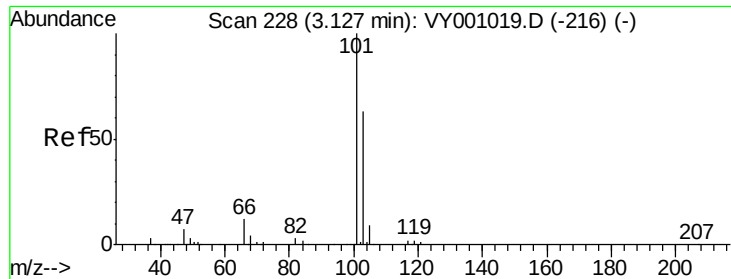
66 31.4 27.8 41.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

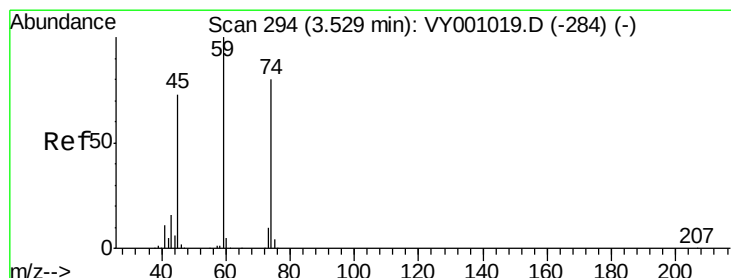
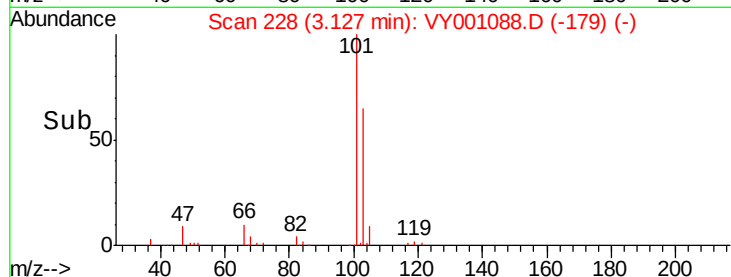
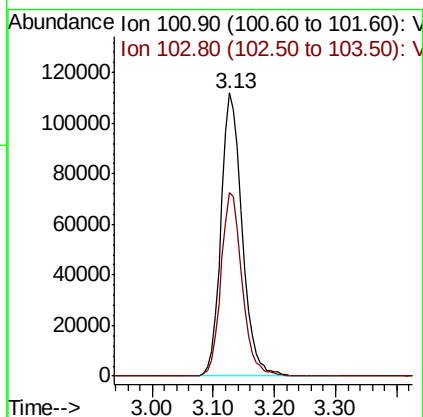
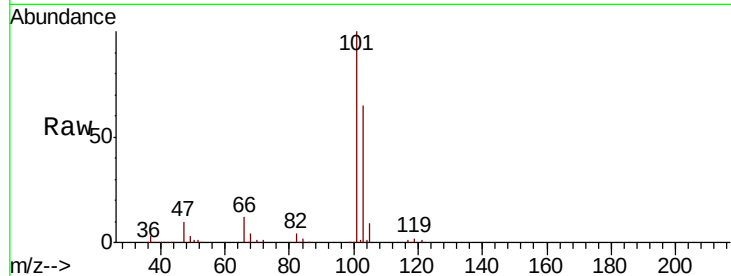
Trichlorofluoromethane
Concen: 52.043 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	268822		
103	65.0		50.2	75.2

Manual Integrations
APPROVED

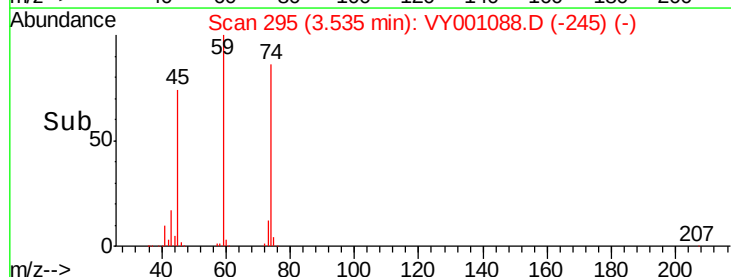
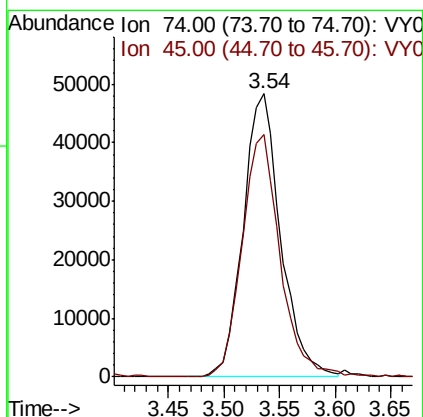
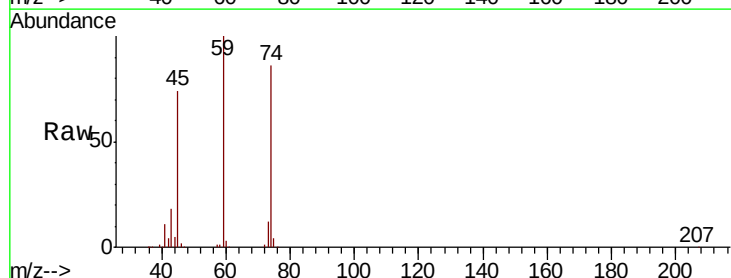
apatel
12/30/2019 3:33:06 PM

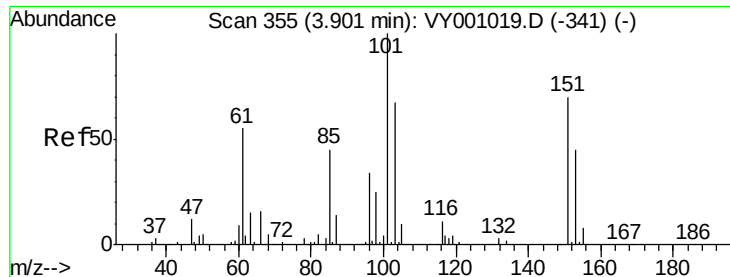


#8

Diethyl Ether
Concen: 53.729 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	113289		
45	87.3		46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.832 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

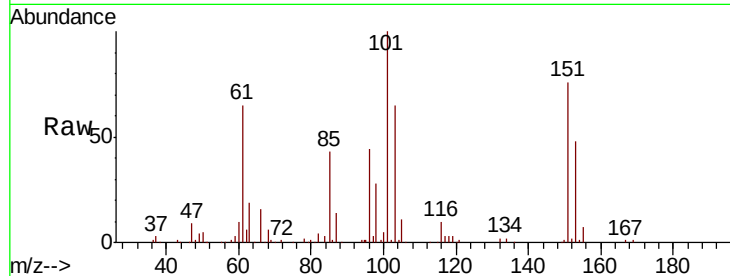
ClientSampleId :

VSTDCCC050

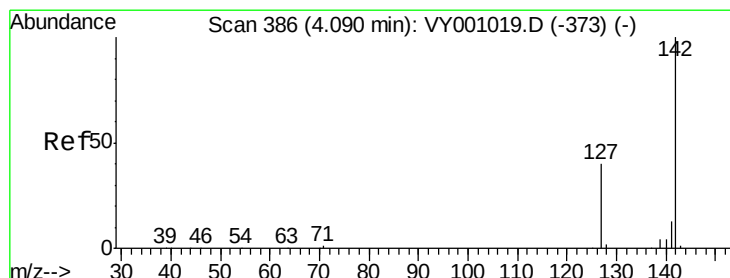
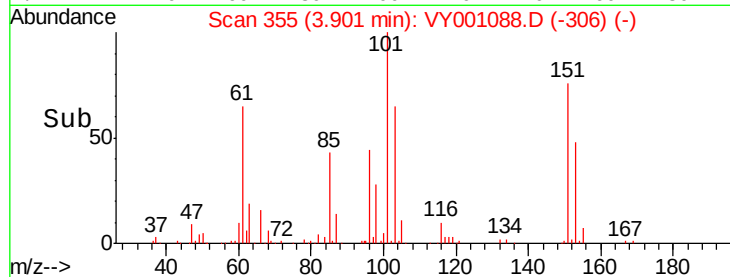
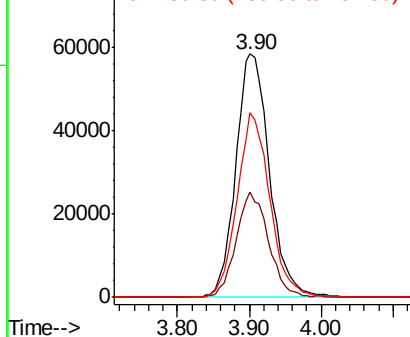
Tot Ion:	101	Resp:	189440
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.2	51.2
151	73.7	57.0	85.6

Manual Integrations
APPROVED

apatel
12/30/2019 3:33:06 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.503 ug/l

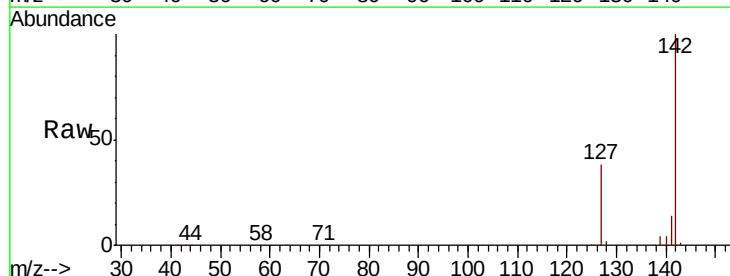
RT: 4.10 min Scan# 387

Delta R.T. 0.01 min

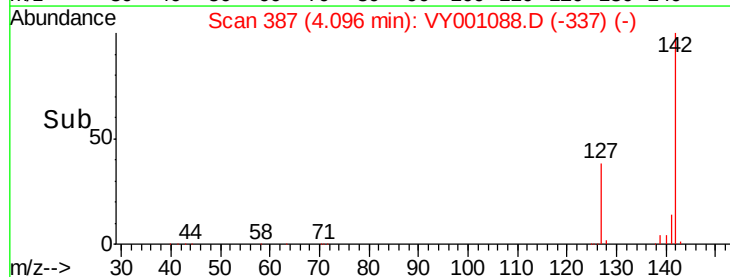
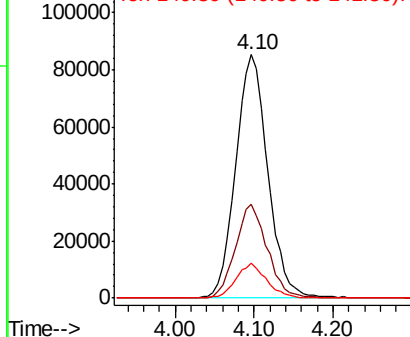
Lab File: VY001088.D

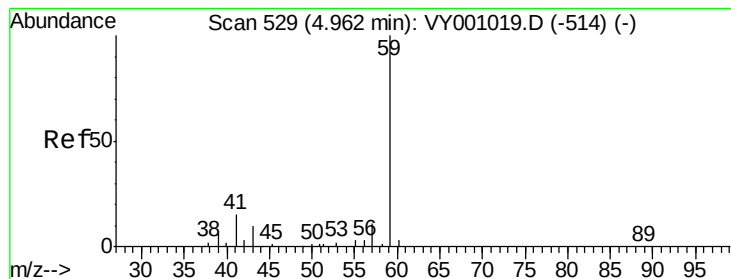
Acq: 27 Dec 2019 11:09

Tgt Ion:	142	Resp:	241442
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.2	46.8
141	13.6	11.0	16.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

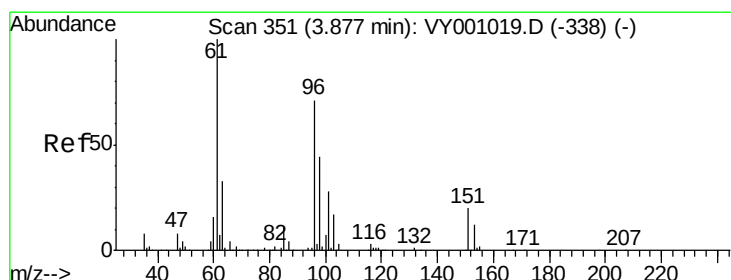
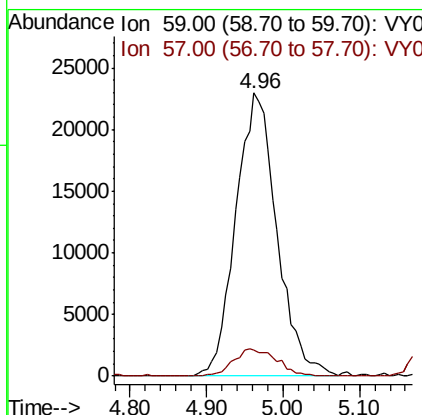
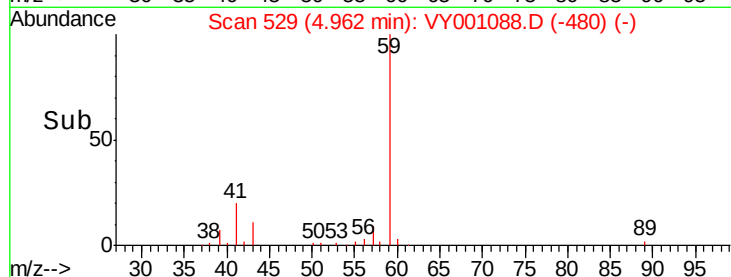
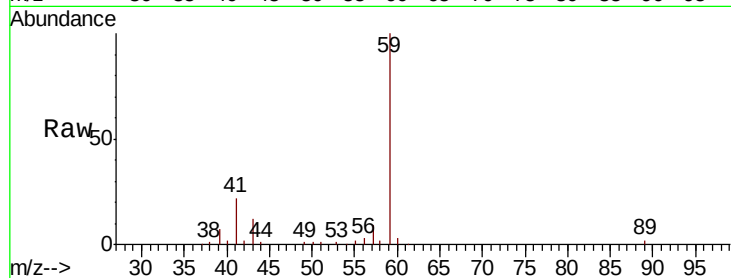
Tert butyl alcohol
 Concen: 258.651 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.6

Manual Integrations
 APPROVED

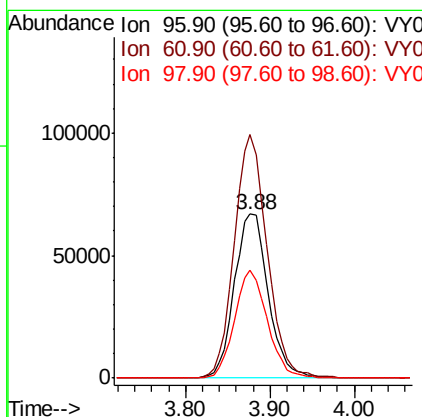
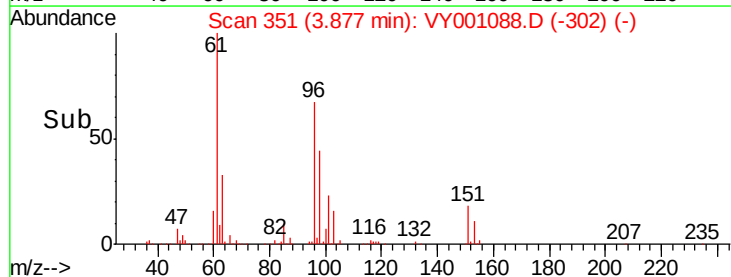
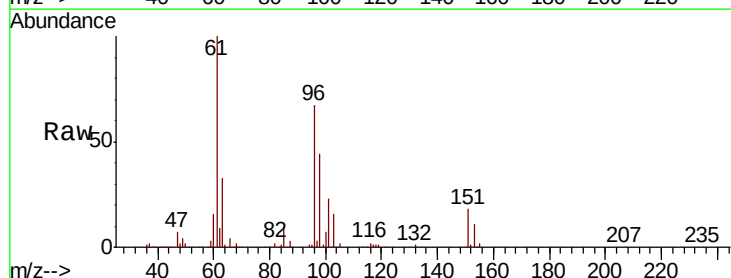
apatel
 12/30/2019 3:33:06 PM

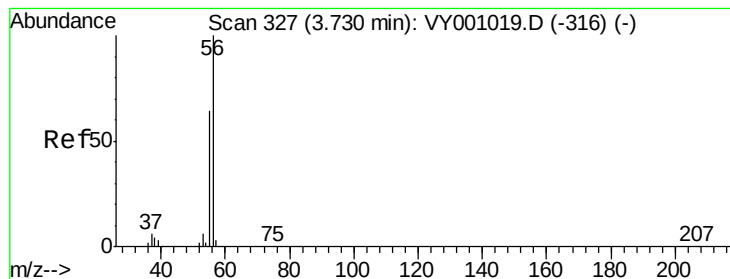


#12

1,1-Dichloroethene
 Concen: 53.072 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.8	113.0	169.4
98	66.0	49.8	74.8





#13

Acrolein

Concen: 255.491 ug/l

RT: 3.73 min Scan# 327

Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 104971

Ion Ratio Lower Upper

56 100

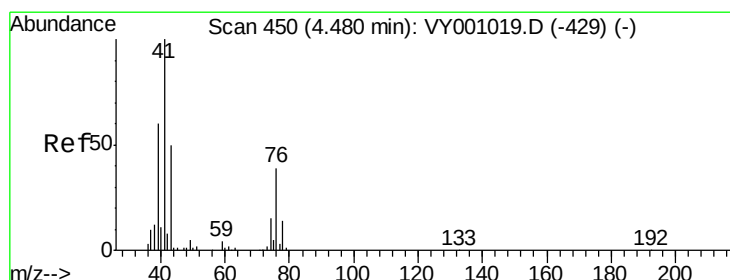
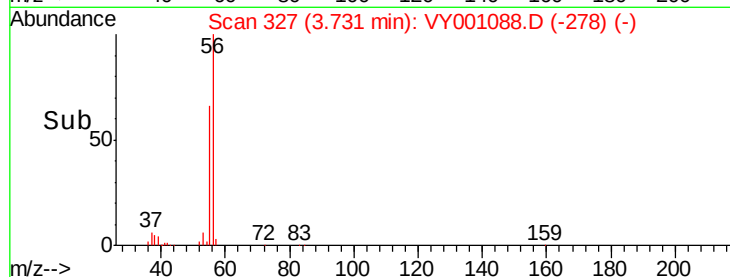
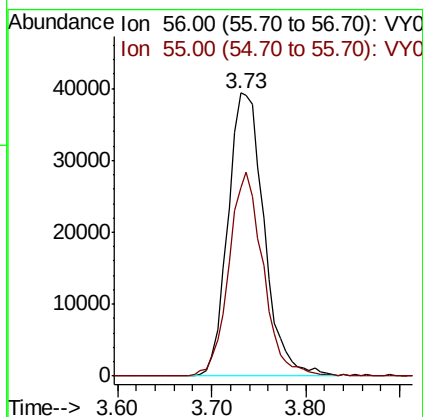
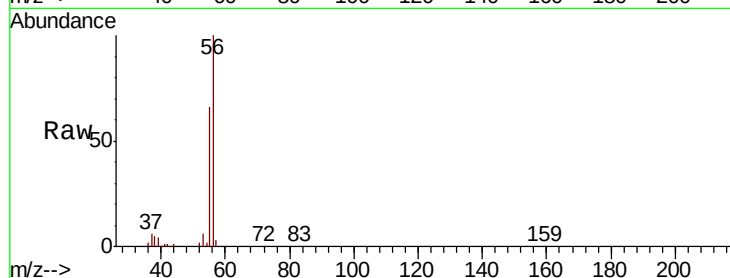
55 68.4 55.6 83.4

Manual Integrations

APPROVED

apatel

12/30/2019 3:33:06 PM



#14

Allyl chloride

Concen: 51.152 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

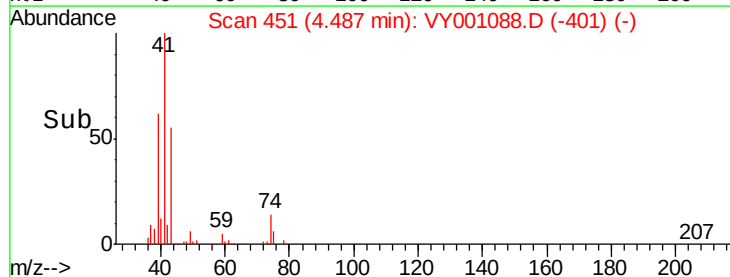
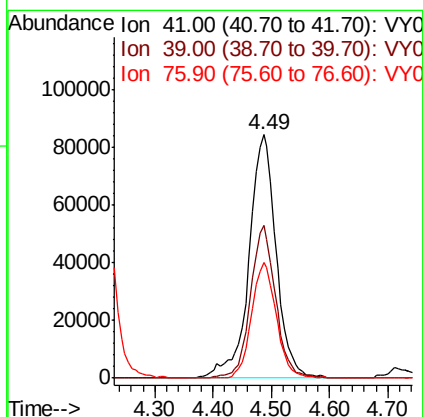
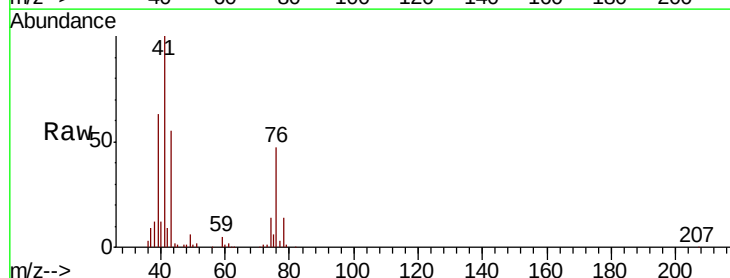
Tgt Ion: 41 Resp: 272970

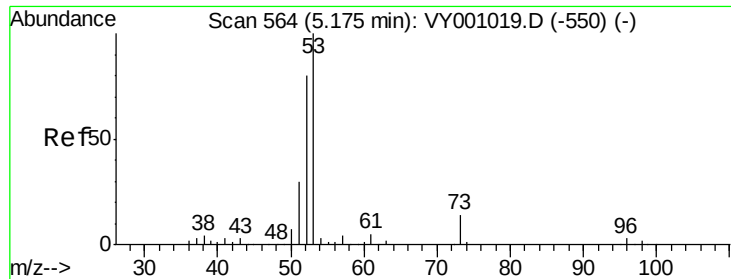
Ion Ratio Lower Upper

41 100

39 57.9 46.0 69.0

76 43.0 32.6 48.8





#15

Acrylonitrile

Concen: 284.278 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

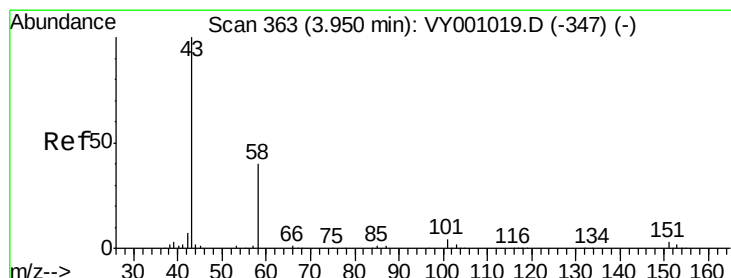
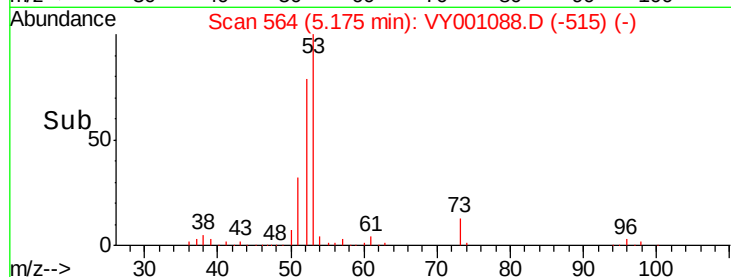
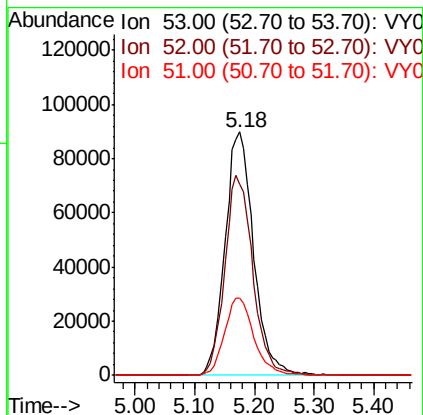
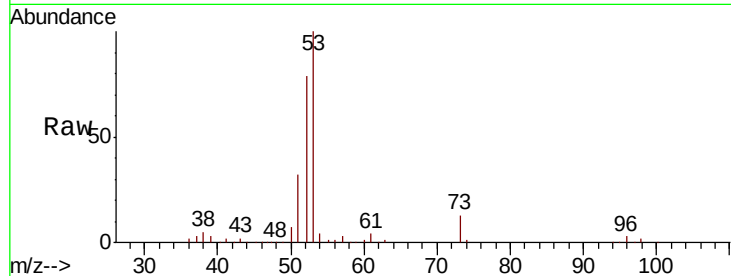
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	299566
Ion	Ratio	Lower	Upper
53	100		
52	80.4	63.6	95.4
51	32.8	26.7	40.1

Manual Integrations
APPROVED

apatel
12/30/2019 3:33:06 PM



#16

Acetone

Concen: 225.038 ug/l

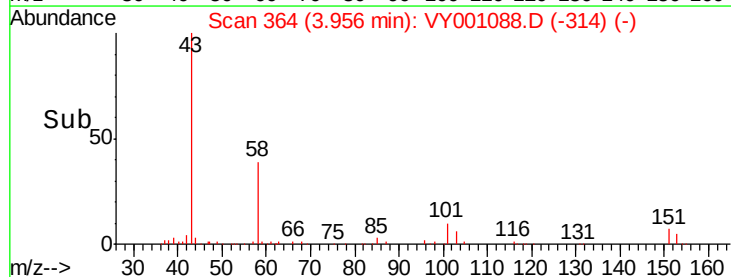
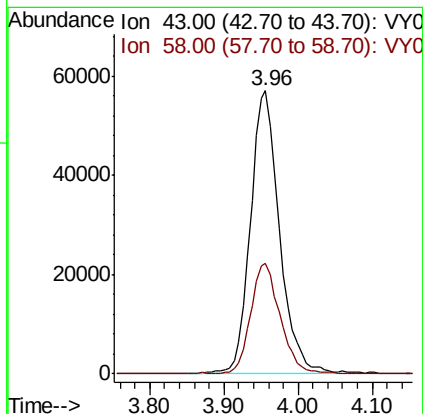
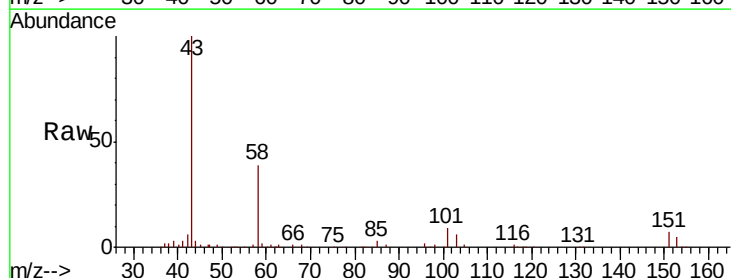
RT: 3.96 min Scan# 364

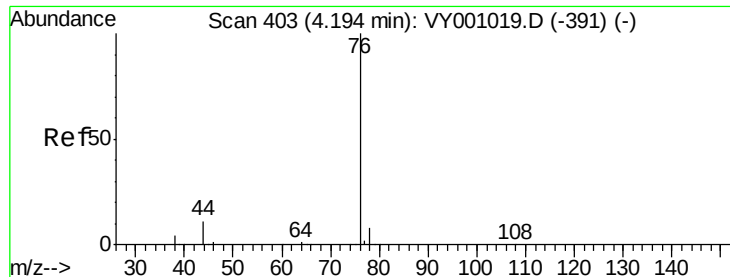
Delta R.T. 0.01 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Tgt Ion:	43	Resp:	156348
Ion	Ratio	Lower	Upper
43	100		
58	39.2	32.1	48.1





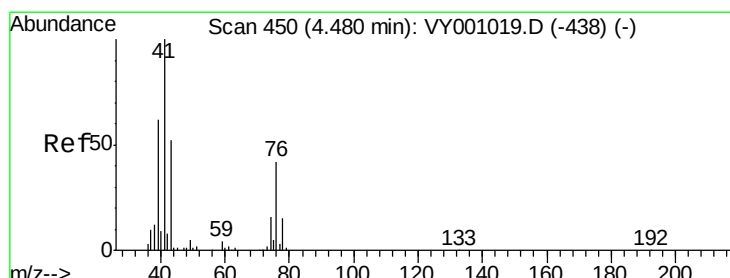
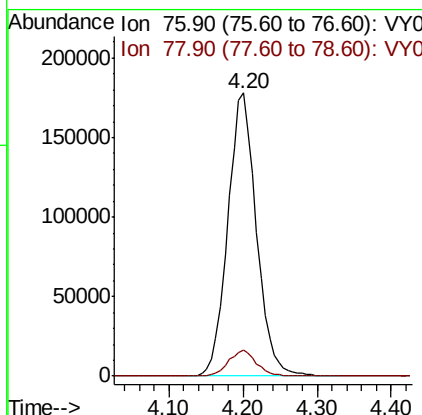
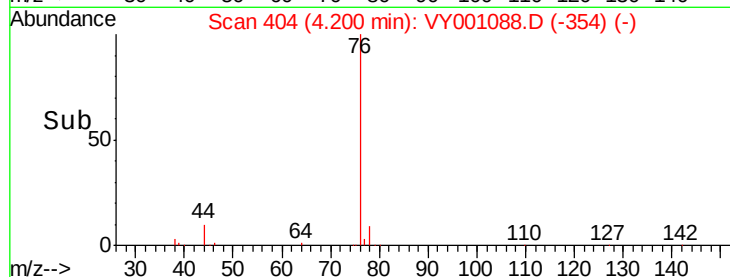
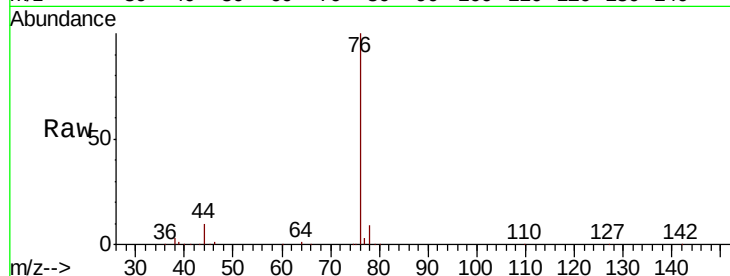
#17
Carbon Disulfide
Concen: 42.621 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 478423
Ion Ratio Lower Upper
76 100
78 9.4 6.7 10.1

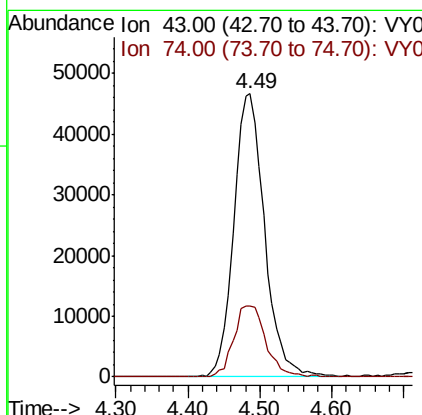
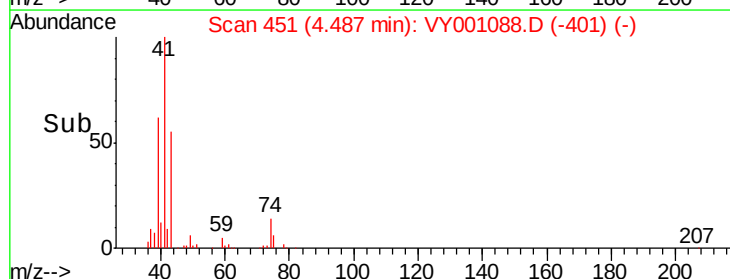
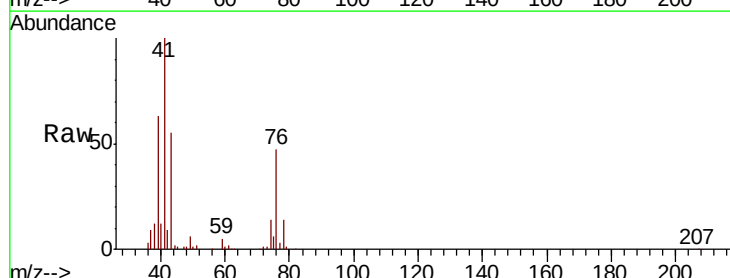
Manual Integrations
APPROVED

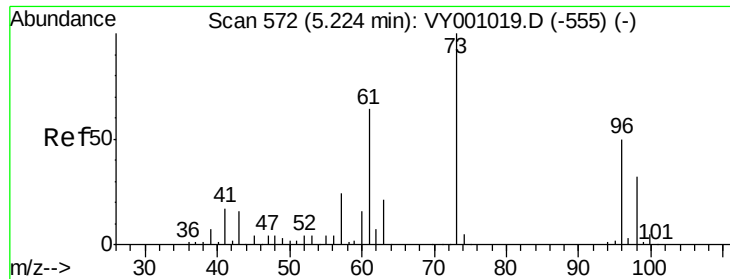
apatel
12/30/2019 3:33:06 PM



#18
Methyl Acetate
Concen: 51.951 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Tgt Ion: 43 Resp: 138475
Ion Ratio Lower Upper
43 100
74 26.2 20.7 31.1





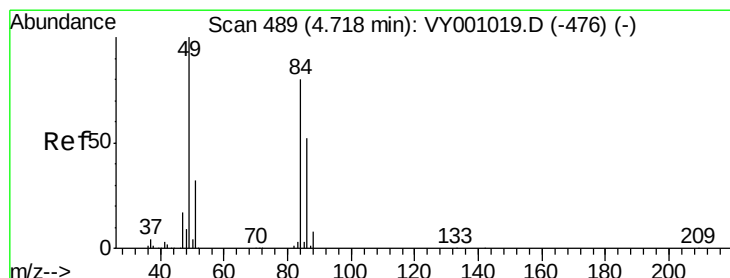
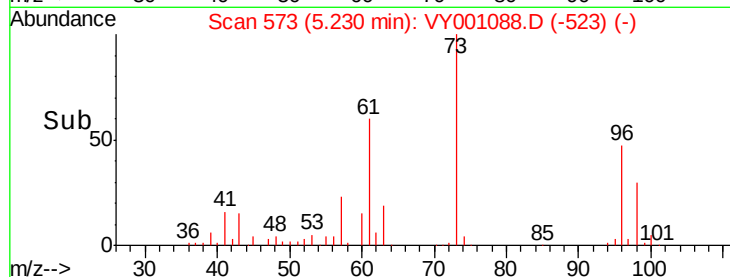
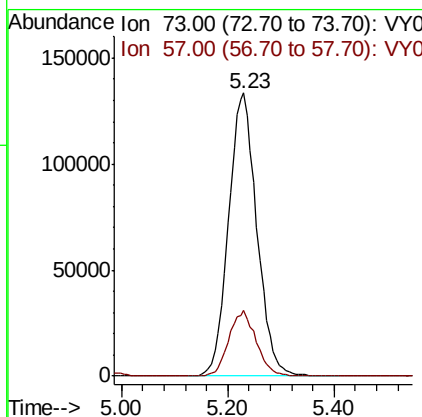
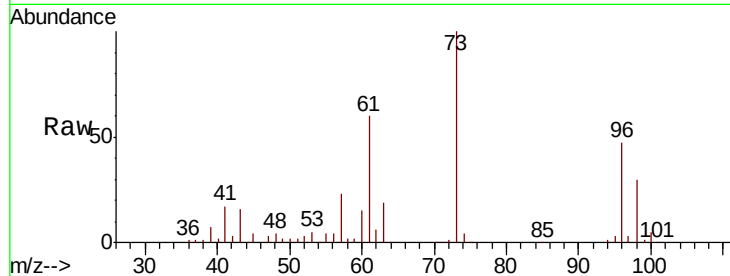
#19
Methyl tert-butyl Ether
Concen: 55.727 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 494084
Ion Ratio Lower Upper
73 100
57 23.1 19.0 28.6

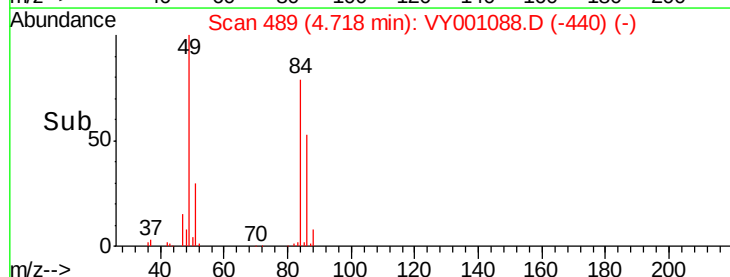
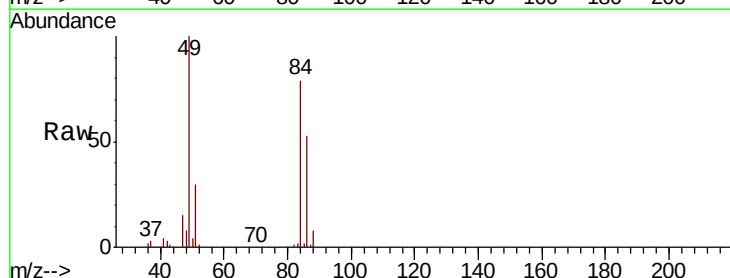
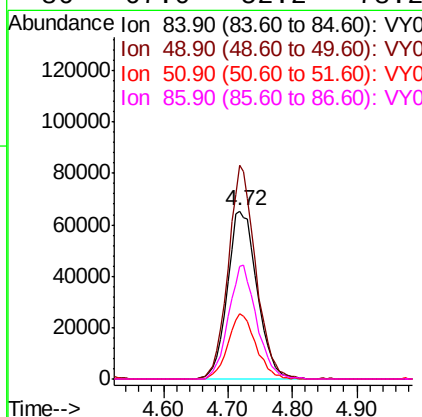
Manual Integrations
APPROVED

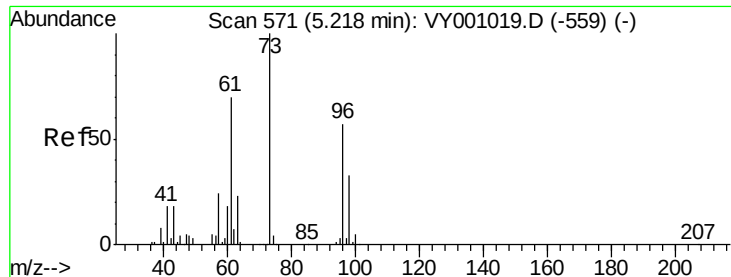
apatel
12/30/2019 3:33:06 PM



#20
Methylene Chloride
Concen: 51.625 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Tgt Ion: 84 Resp: 211114
Ion Ratio Lower Upper
84 100
49 127.2 99.8 149.6
51 38.7 31.4 47.2
86 67.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 53.275 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 202819

Ion Ratio Lower Upper

96 100

61 125.0 98.1 147.1

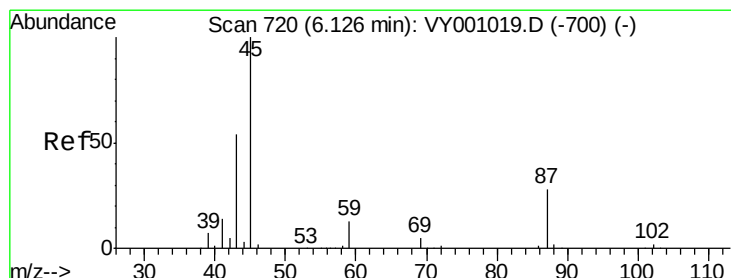
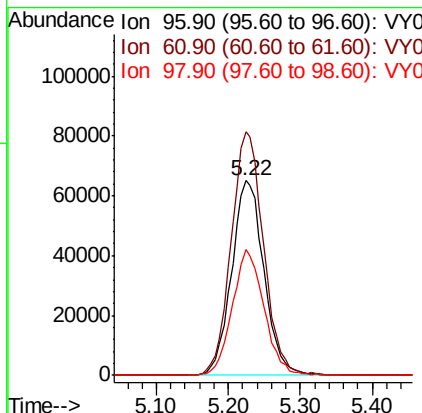
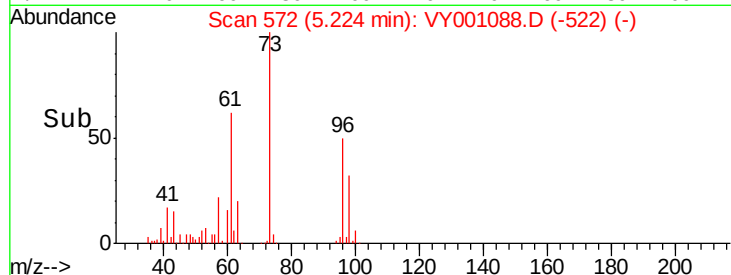
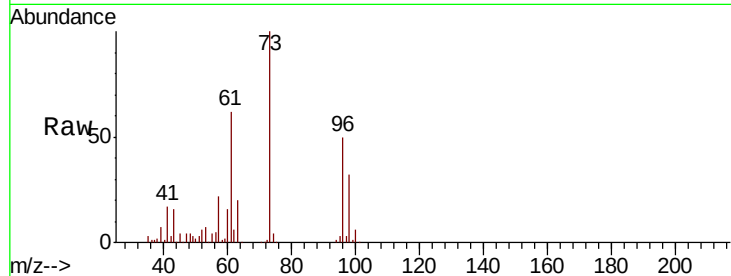
98 64.6 47.2 70.8

Manual Integrations

APPROVED

apatel

12/30/2019 3:33:06 PM



#22

Diisopropyl ether

Concen: 51.795 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Tgt Ion: 45 Resp: 558687

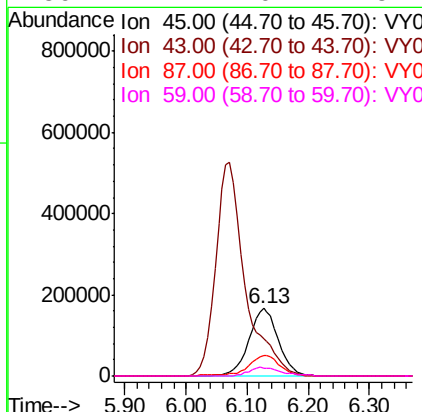
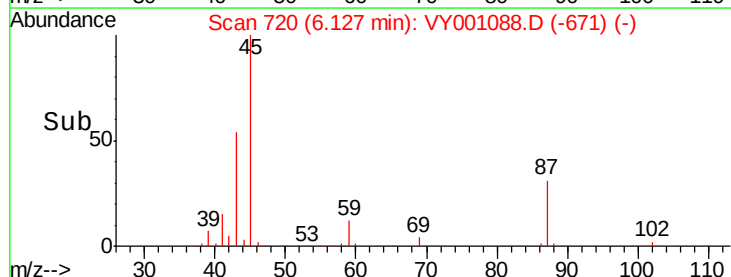
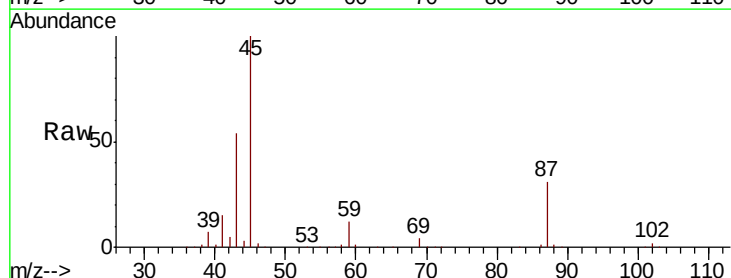
Ion Ratio Lower Upper

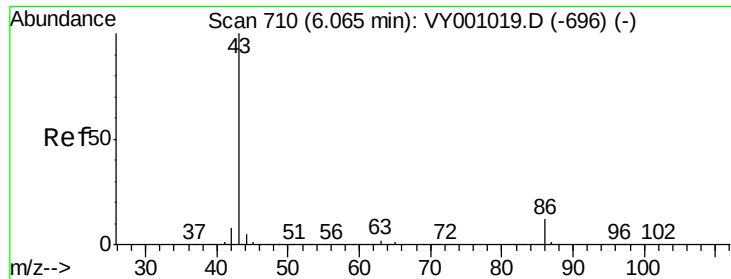
45 100

43 54.1 43.6 65.4

87 31.2 23.1 34.7

59 12.1 10.2 15.4





#23

Vinyl Acetate

Concen: 259.823 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1769952

Ion Ratio Lower Upper

43 100

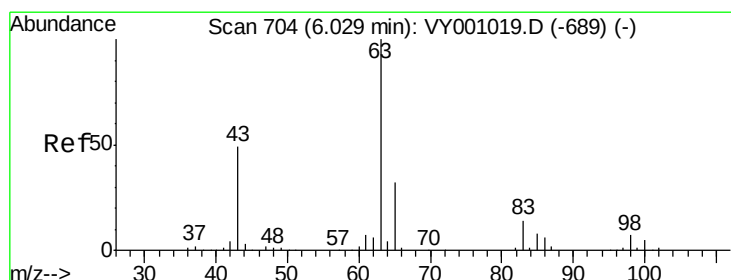
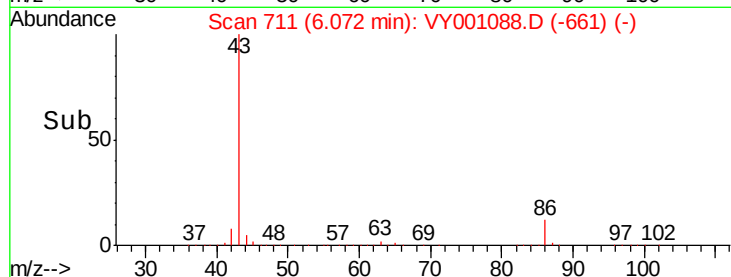
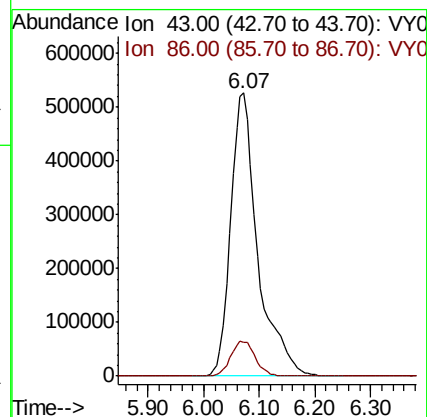
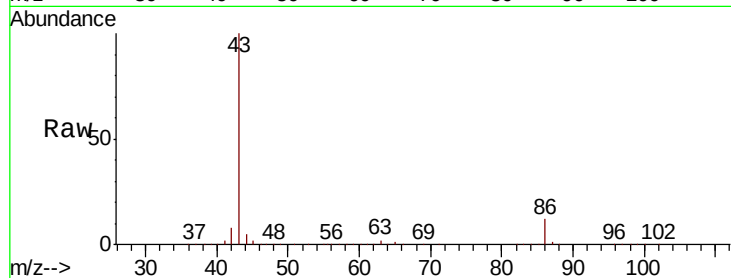
86 11.9 9.5 14.3

Manual Integrations

APPROVED

apatel

12/30/2019 3:33:06 PM



#24

1,1-Dichloroethane

Concen: 53.601 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

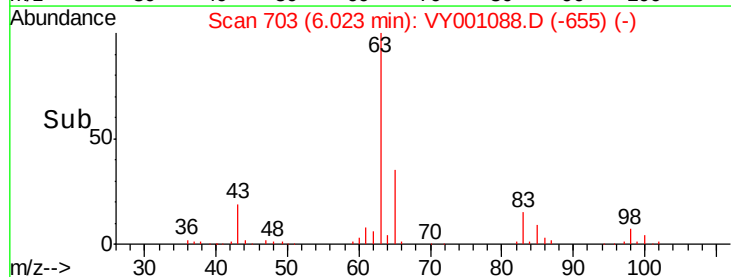
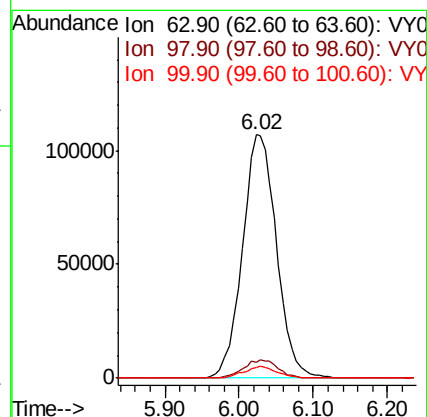
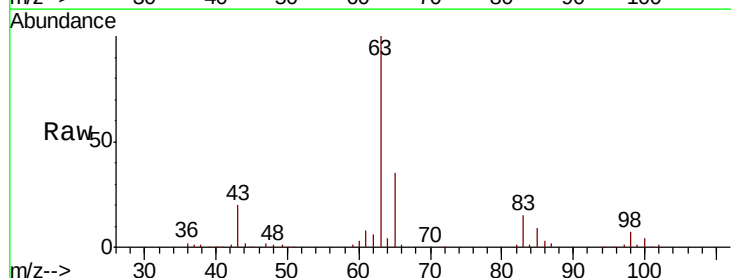
Tgt Ion: 63 Resp: 341668

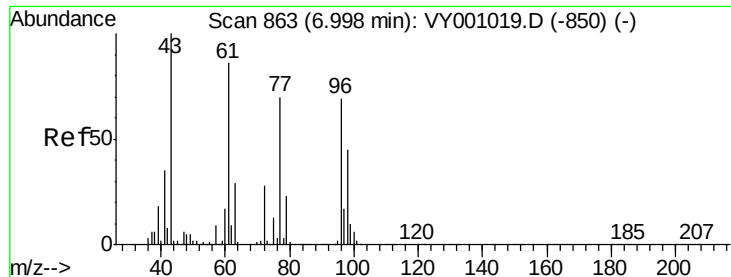
Ion Ratio Lower Upper

63 100

98 6.5 3.8 11.2

100 4.3 2.5 7.5





#25

2-Butanone

Concen: 250.702 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 305986

Ion Ratio Lower Upper

43 100

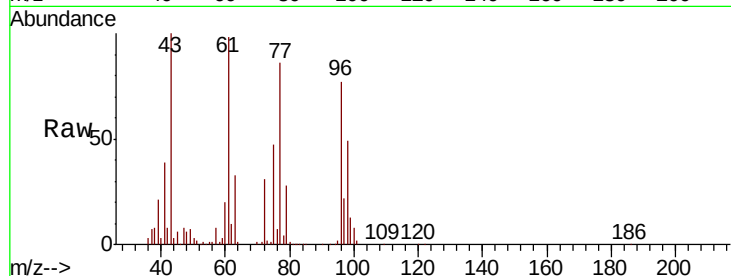
72 31.5 22.4 33.6

Manual Integrations

APPROVED

apatel

12/30/2019 3:33:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

6.99

120000

100000

80000

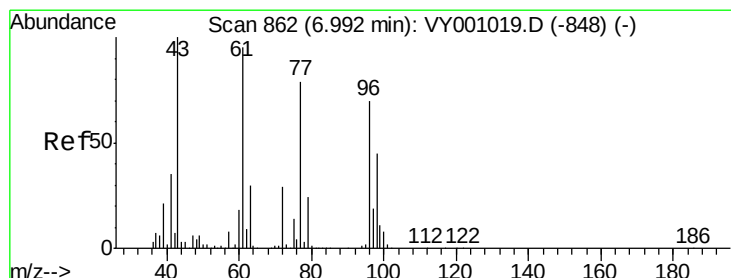
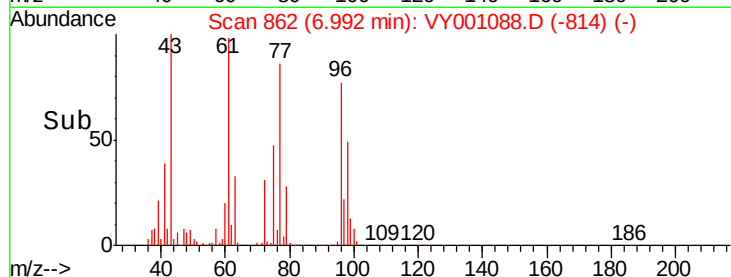
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 55.117 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY001088.D

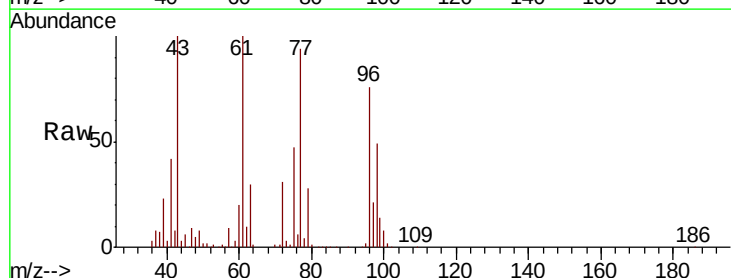
Acq: 27 Dec 2019 11:09

Tgt Ion: 77 Resp: 288649

Ion Ratio Lower Upper

77 100

97 25.0 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

6.99

100000

80000

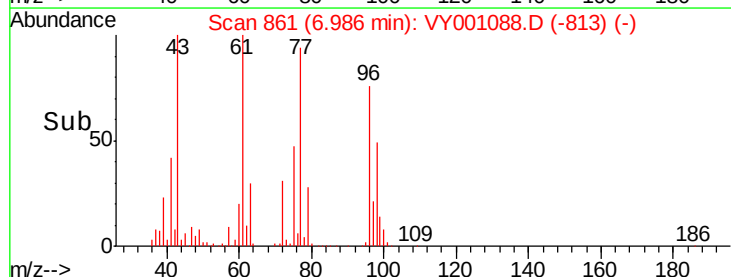
60000

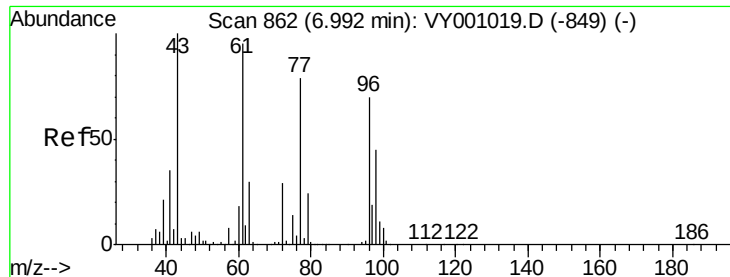
40000

20000

0

Time-->





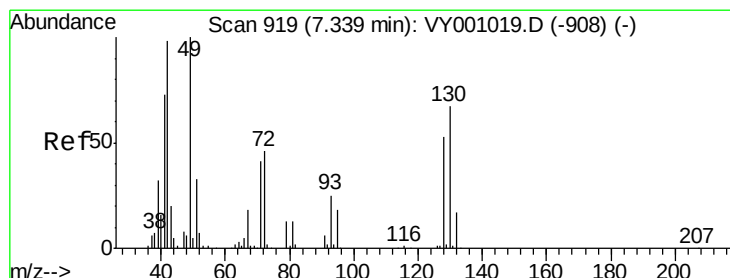
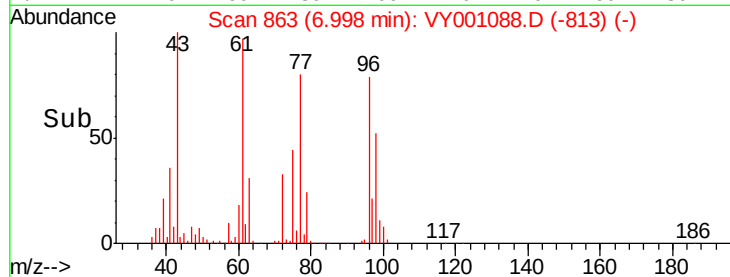
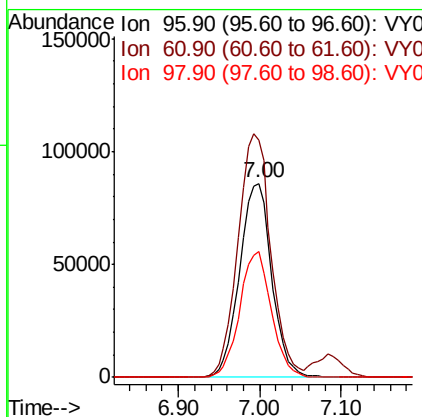
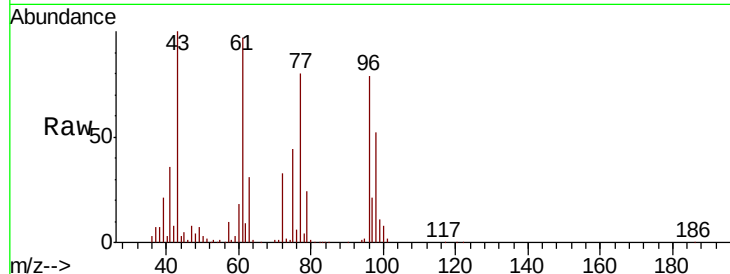
#27
 cis-1,2-Dichloroethene
 Concen: 56.363 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	128.4	0.0	268.2	
98	63.9	0.0	129.2	

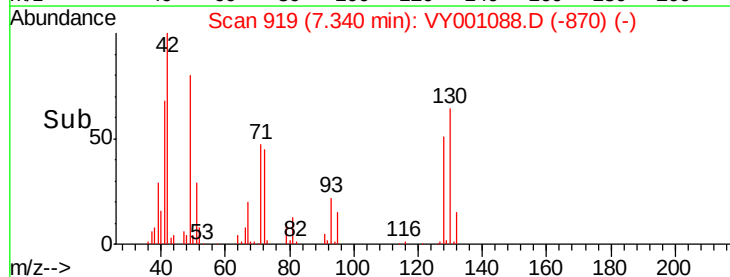
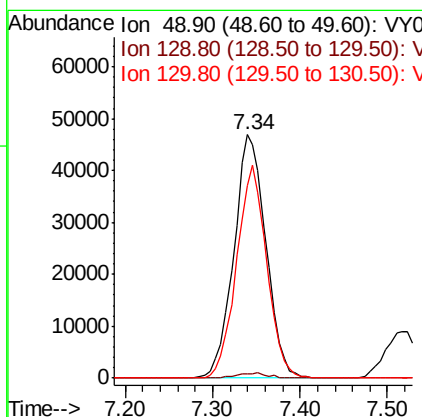
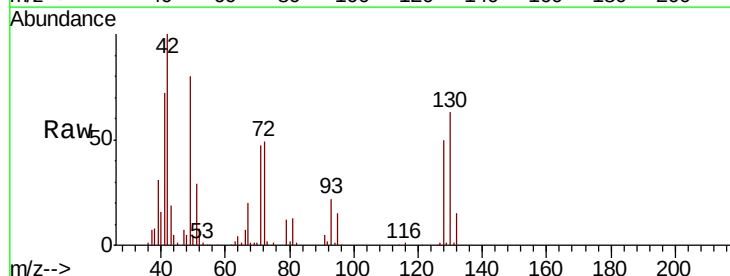
Manual Integrations
 APPROVED

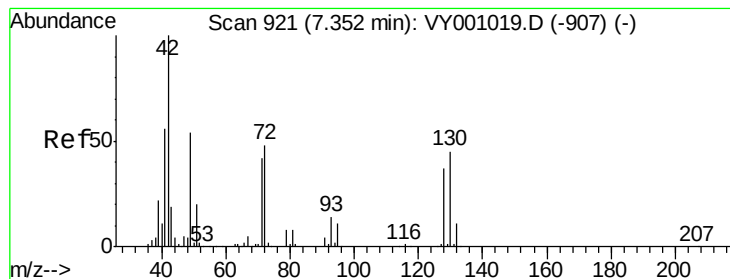
apatel
 12/30/2019 3:33:06 PM



#28
 Bromochloromethane
 Concen: 47.846 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	3.8	
130	82.6	60.4	90.6	





#29

Tetrahydrofuran

Concen: 253.898 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

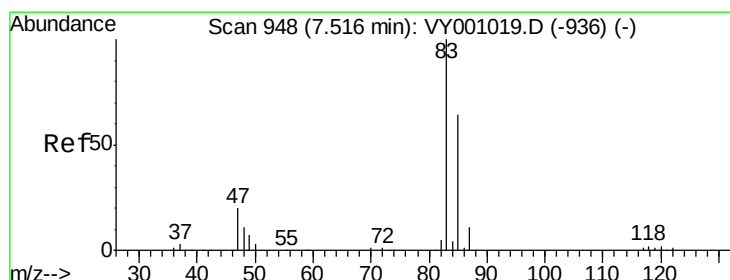
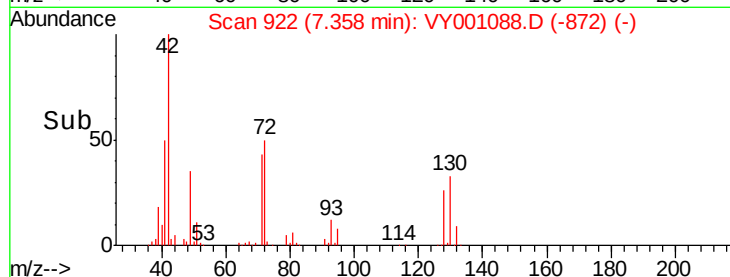
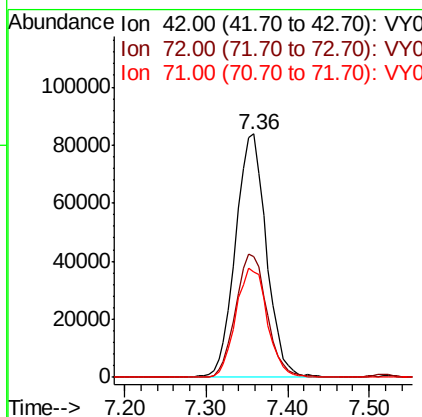
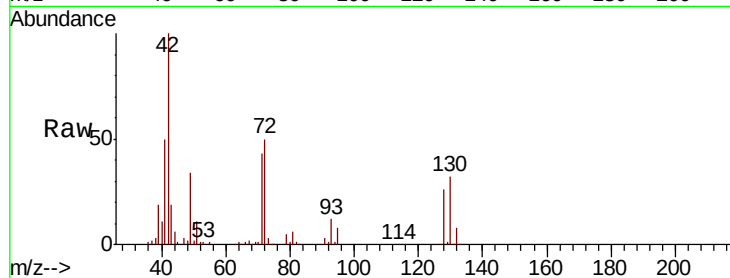
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	220431
Ion	Ratio	Lower	Upper
42	100		
72	51.2	37.7	56.5
71	45.8	34.6	51.8

Manual Integrations
APPROVED

apatel
12/30/2019 3:33:06 PM



#30

Chloroform

Concen: 55.580 ug/l

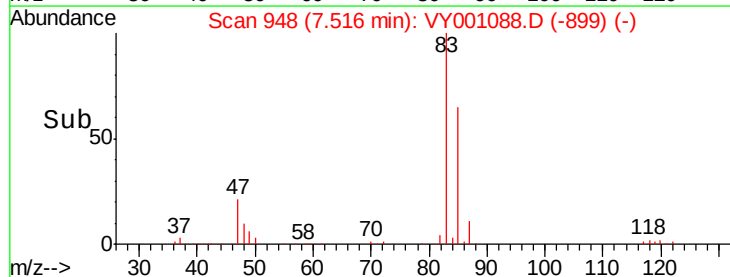
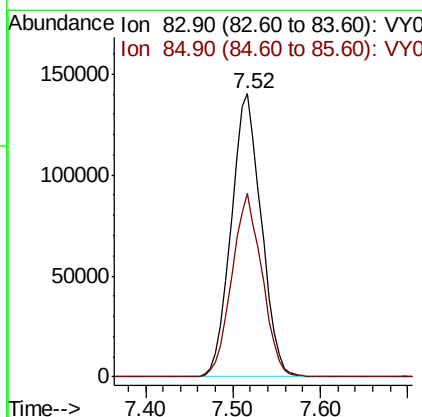
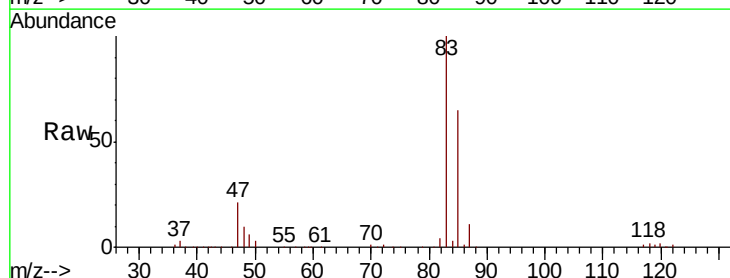
RT: 7.52 min Scan# 948

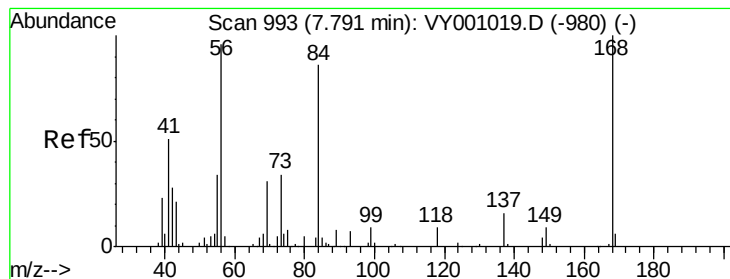
Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Tgt Ion:	83	Resp:	335007
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.6	77.4





#31

Cyclohexane

Concen: 45.855 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 307358

Ion Ratio Lower Upper

56 100

69 31.9 26.1 39.1

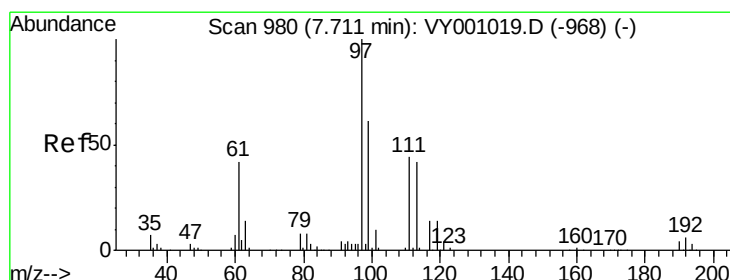
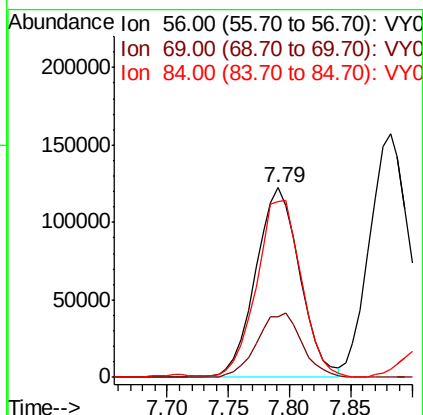
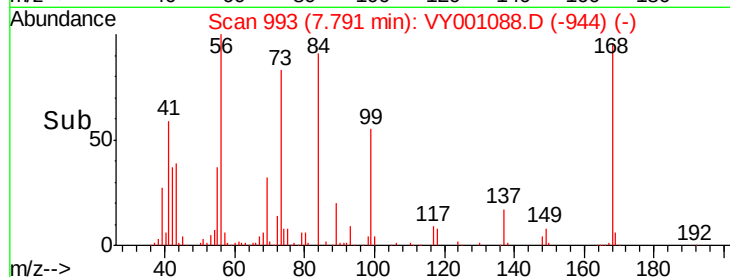
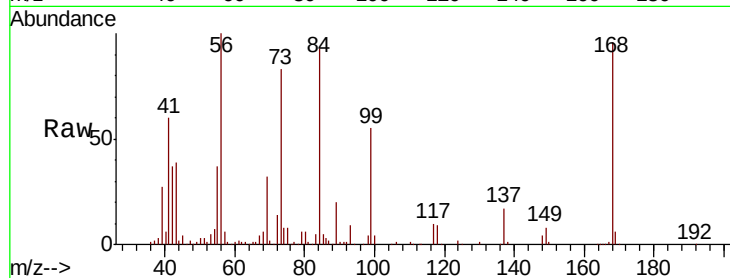
84 91.7 71.8 107.8

Manual Integrations

APPROVED

apatel

12/30/2019 3:33:06 PM



#32

1,1,1-Trichloroethane

Concen: 55.687 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

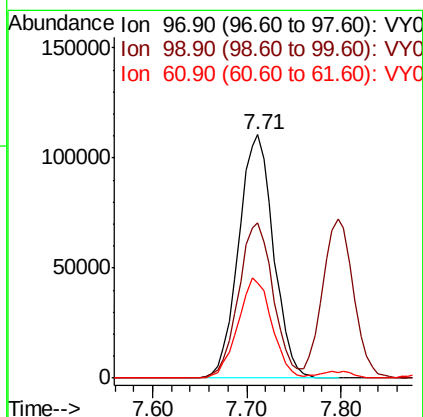
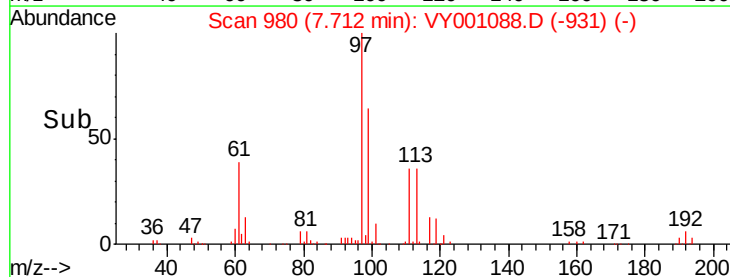
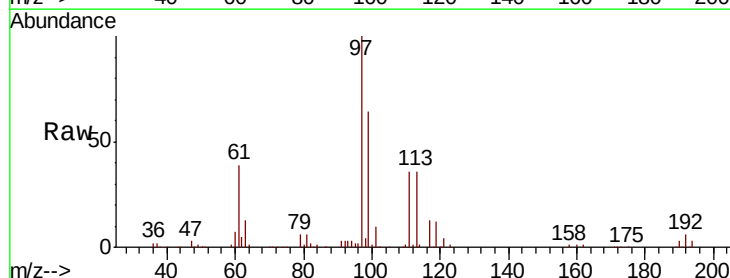
Tgt Ion: 97 Resp: 286323

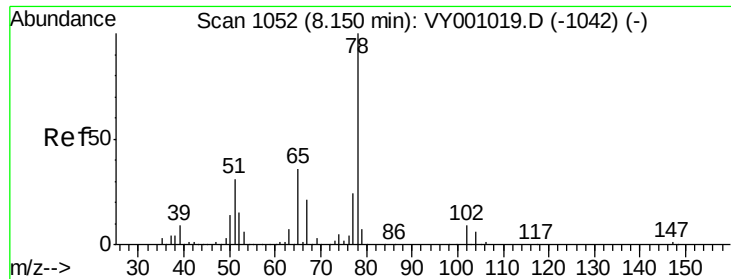
Ion Ratio Lower Upper

97 100

99 63.7 50.6 76.0

61 40.0 33.0 49.6





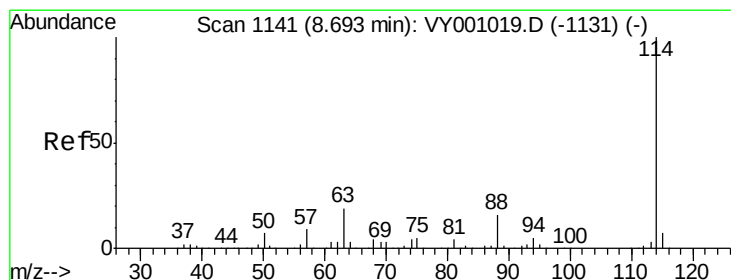
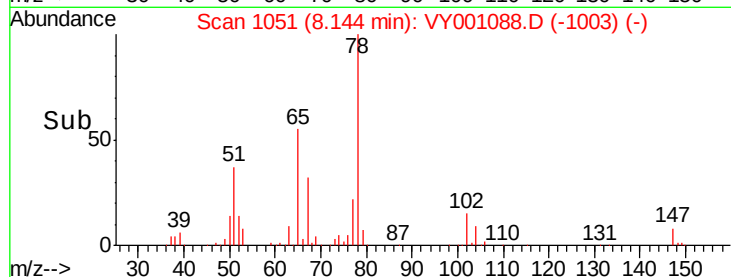
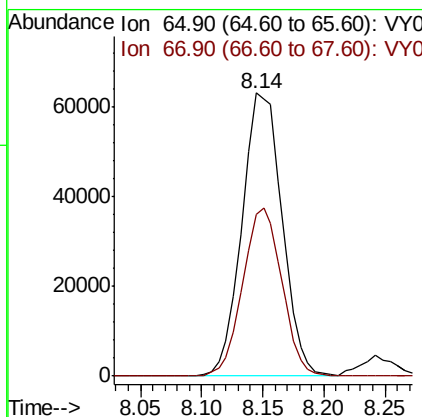
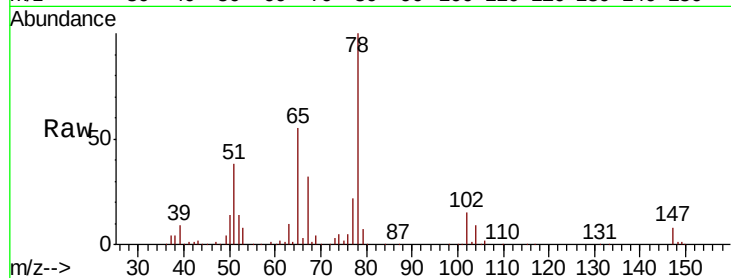
#33
 1,2-Dichloroethane-d4
 Concen: 47.910 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	57.8	0.0	112.8

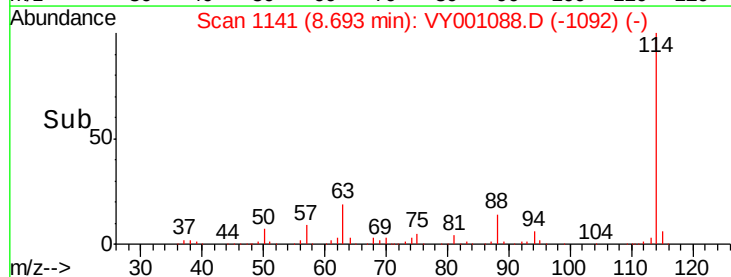
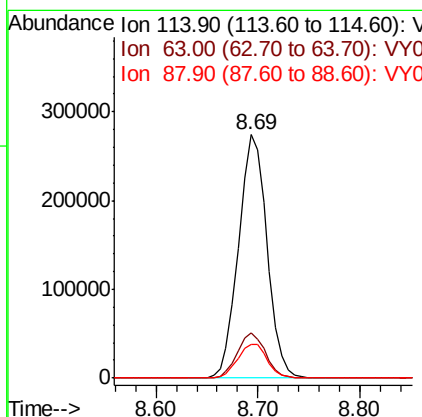
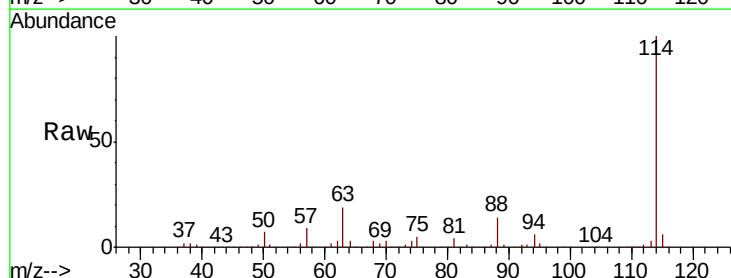
Manual Integrations
 APPROVED

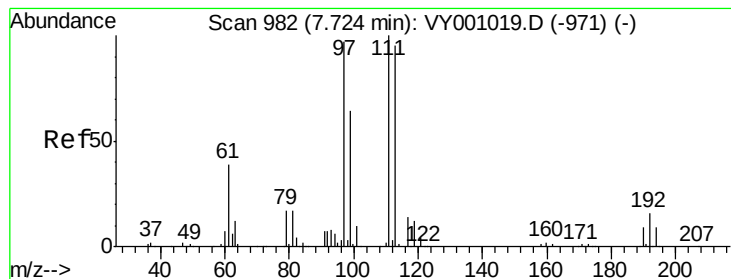
apatel
 12/30/2019 3:33:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	37.0
88	13.8	0.0	32.0





#35

Dibromofluoromethane

Concen: 48.453 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

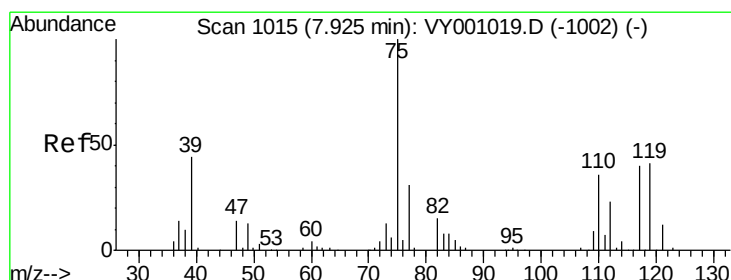
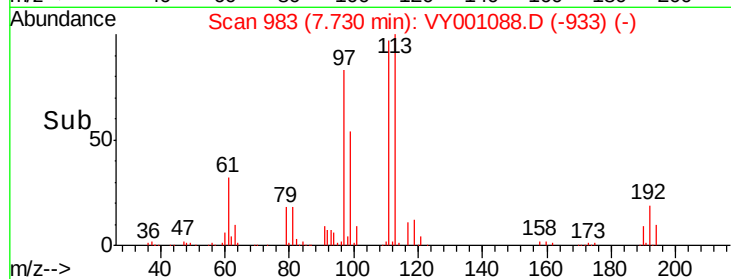
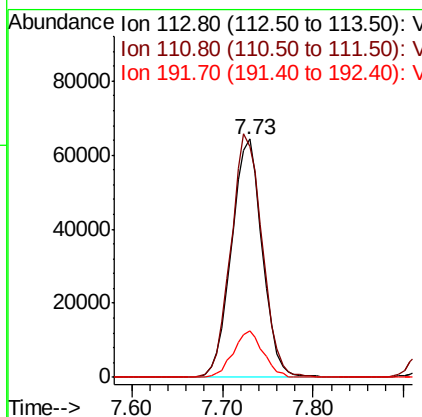
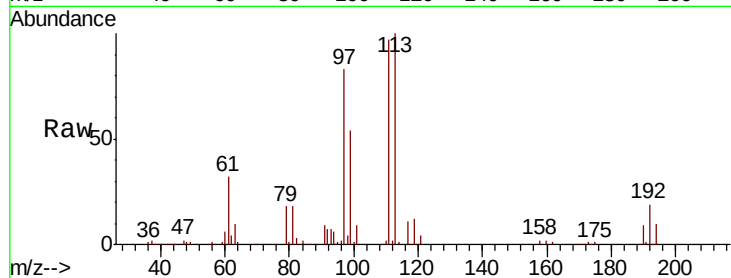
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	151462
Ion Ratio	Lower	Upper	
113	100		
111	103.6	83.0	124.4
192	19.1	14.6	21.8

Manual Integrations
APPROVED

apatel
12/30/2019 3:33:06 PM



#36

1,1-Dichloropropene

Concen: 53.522 ug/l

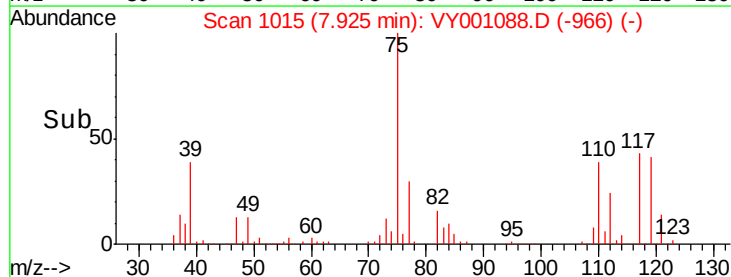
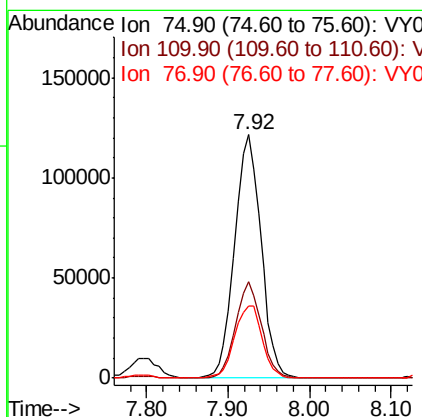
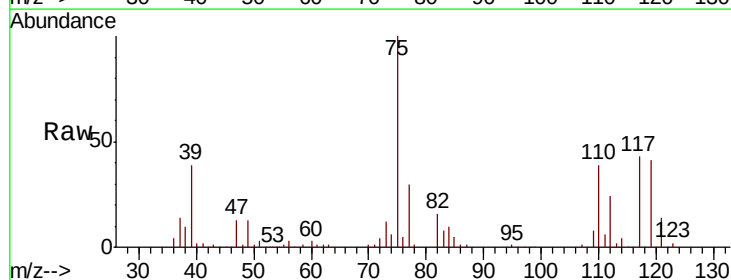
RT: 7.92 min Scan# 1015

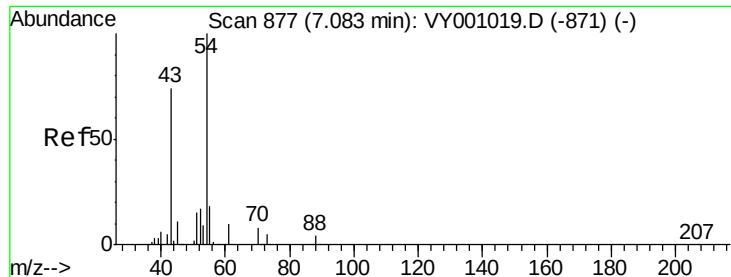
Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Tgt Ion:	75	Resp:	271049
Ion Ratio	Lower	Upper	
75	100		
110	38.2	18.1	54.4
77	31.3	24.6	37.0





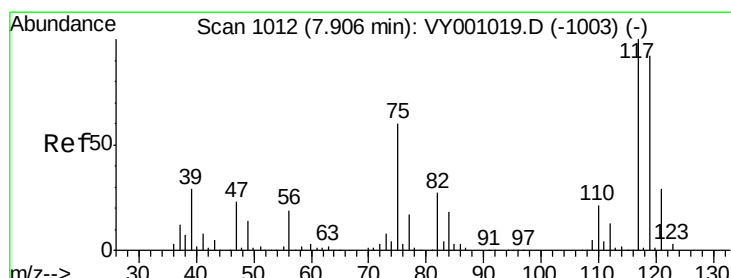
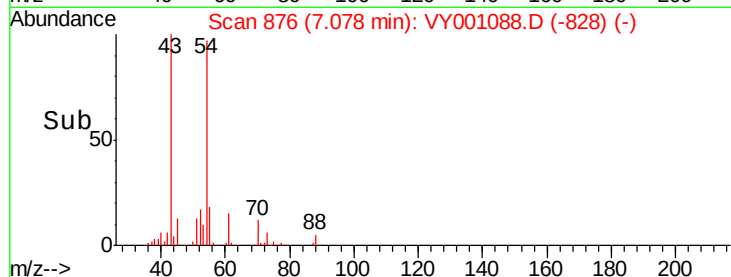
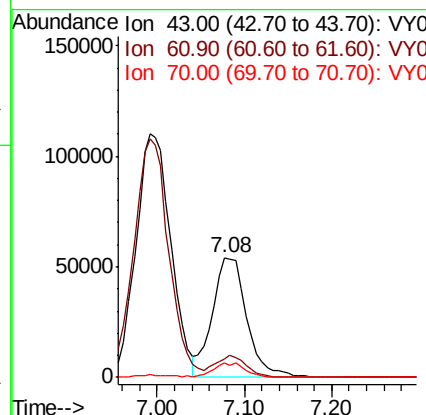
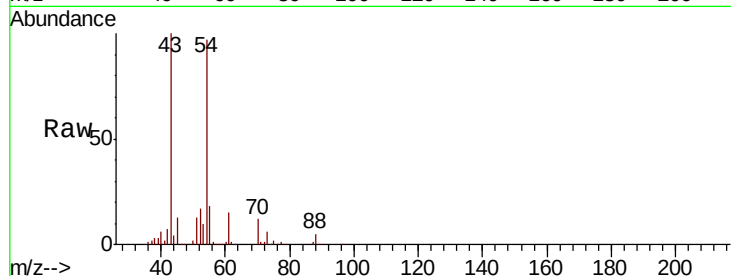
#37
Ethyl Acetate
Concen: 52.774 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.6	12.5	18.7
70	11.8	9.0	13.4

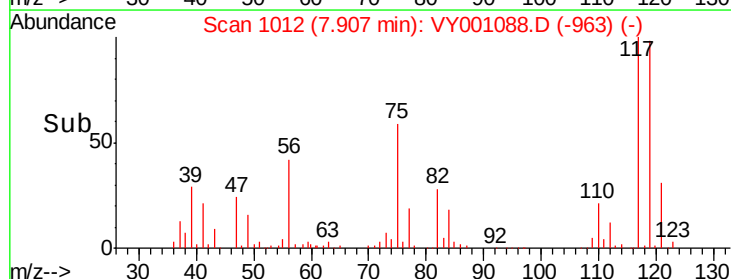
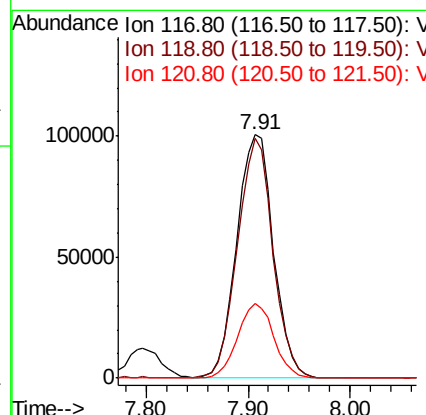
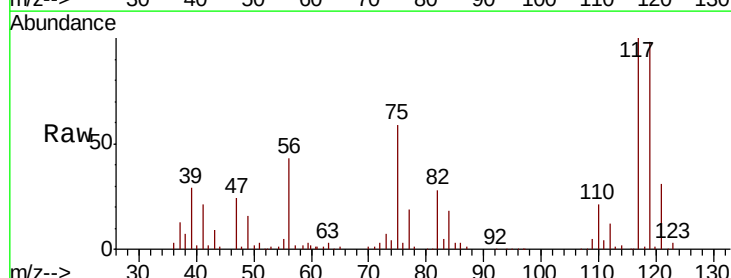
Manual Integrations
APPROVED

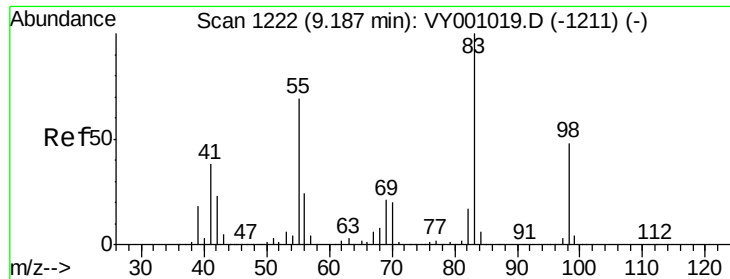
apatel
12/30/2019 3:33:06 PM



#38
Carbon Tetrachloride
Concen: 56.506 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	74.2	111.2
121	30.9	22.9	34.3





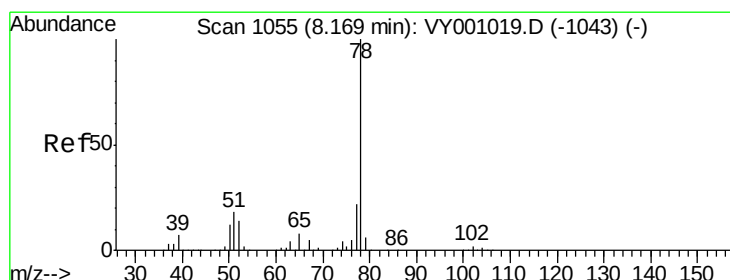
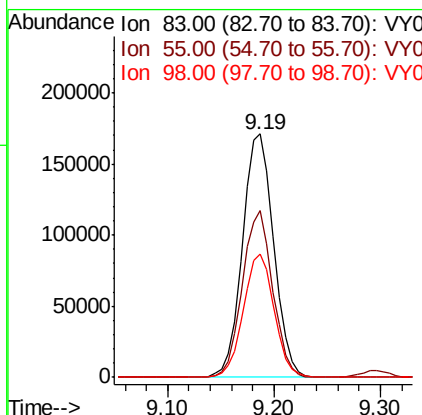
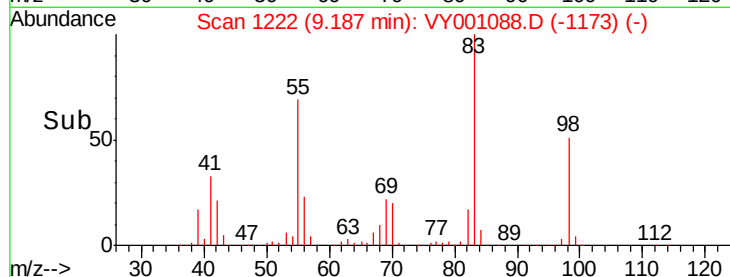
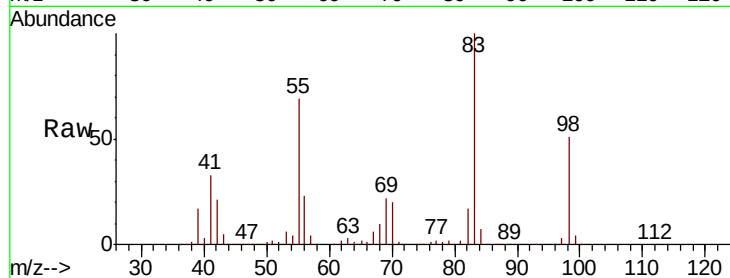
#39
Methylvlcyclohexane
Concen: 52.454 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.7	55.1	82.7
98	50.9	38.3	57.5

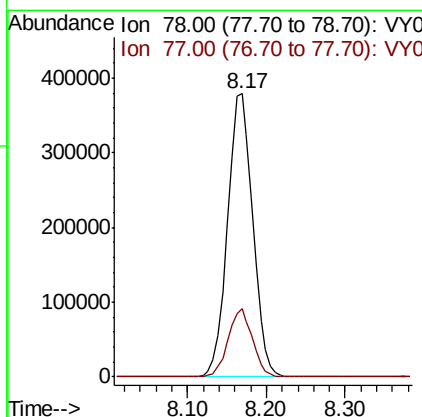
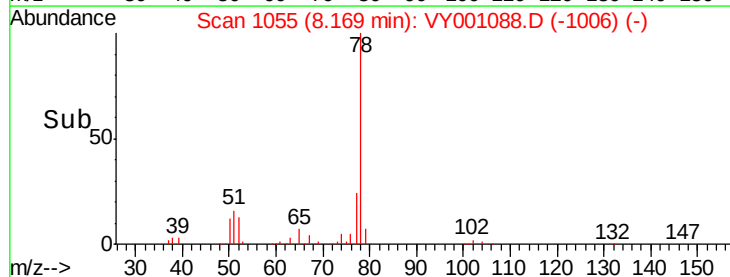
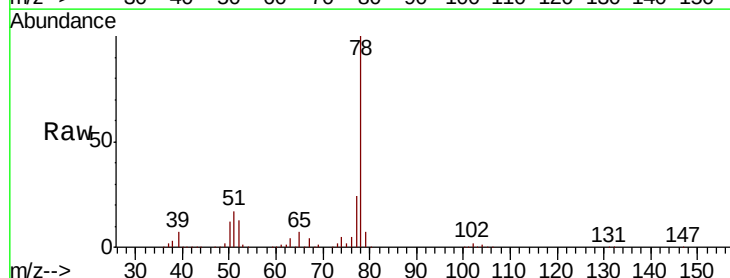
Manual Integrations
APPROVED

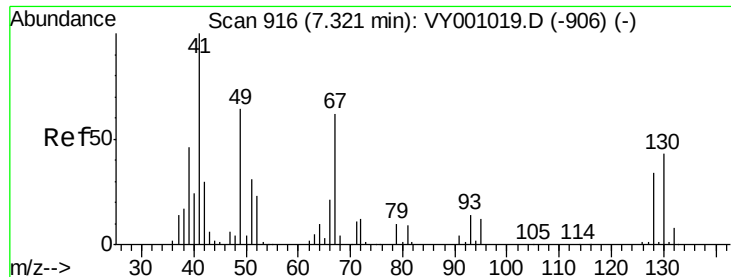
apatel
12/30/2019 3:33:06 PM



#40
Benzene
Concen: 55.154 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	17.7	26.5





#41

Methacrylonitrile

Concen: 47.814 ug/l m

RT: 7.32 min Scan# 915

Delta R.T. -0.01 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 58130

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

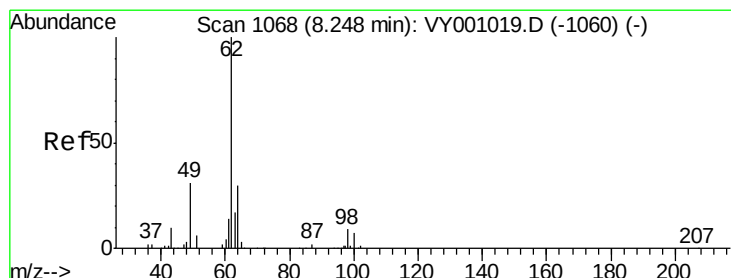
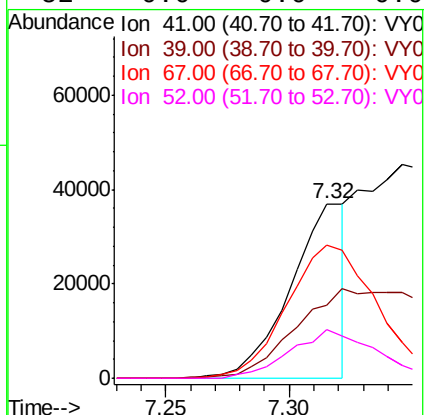
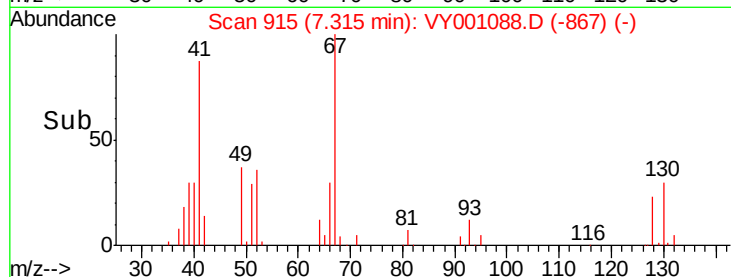
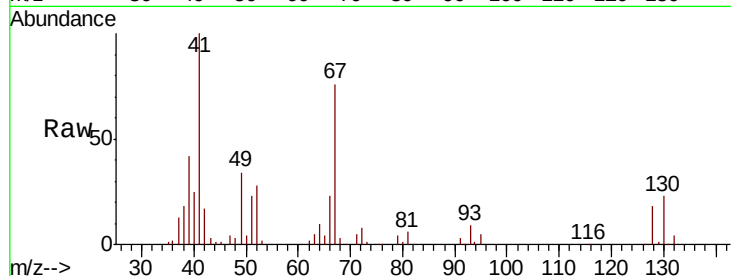
52 0.0 0.0 0.0

Manual Integrations

APPROVED

apatel

12/30/2019 3:33:06 PM



#42

1,2-Dichloroethane

Concen: 53.966 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VY001088.D

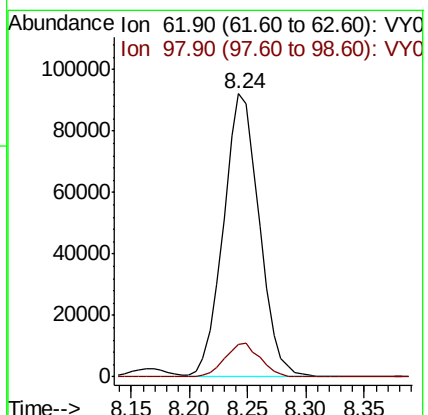
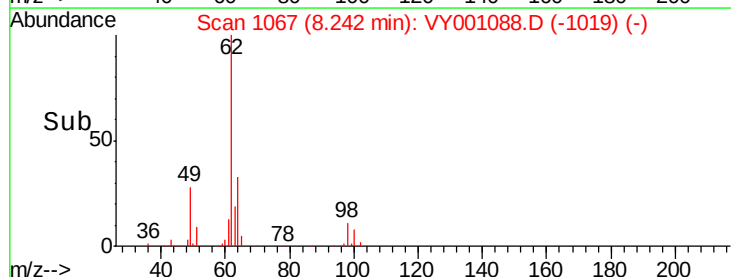
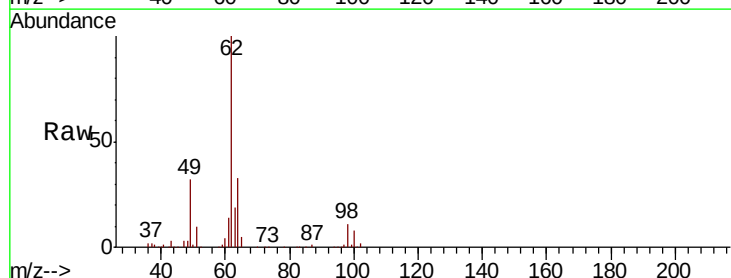
Acq: 27 Dec 2019 11:09

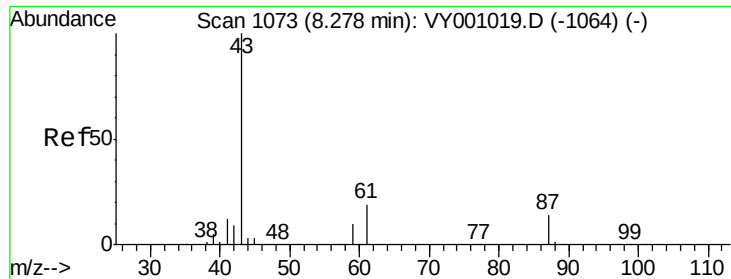
Tgt Ion: 62 Resp: 197128

Ion Ratio Lower Upper

62 100

98 11.7 0.0 23.4





#43

Isopropyl Acetate

Concen: 53.064 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

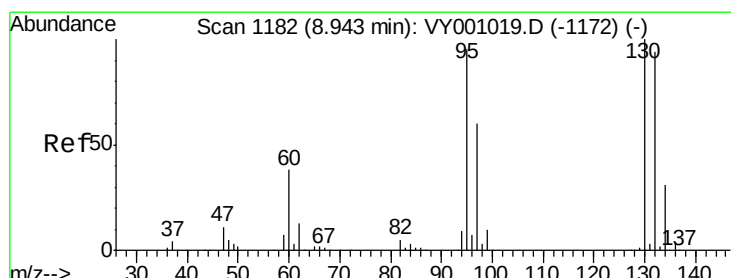
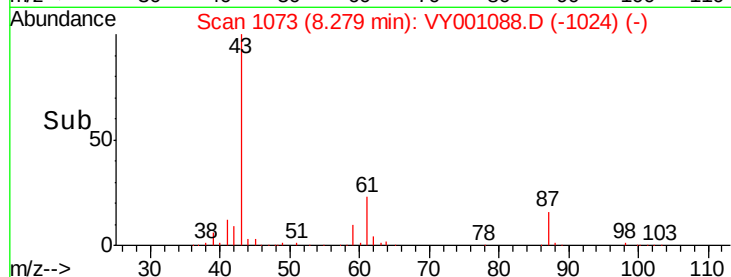
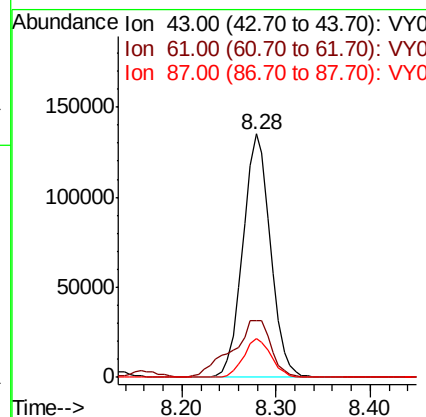
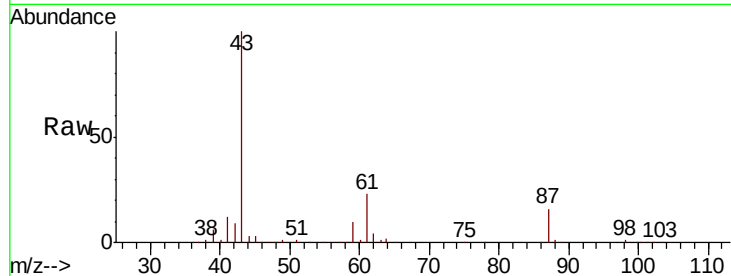
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	275454
Ion	Ratio	Lower	Upper
43	100		
61	32.8	25.0	37.6
87	16.0	12.0	18.0

Manual Integrations
APPROVED

apatel
12/30/2019 3:33:06 PM



#44

Trichloroethene

Concen: 56.594 ug/l

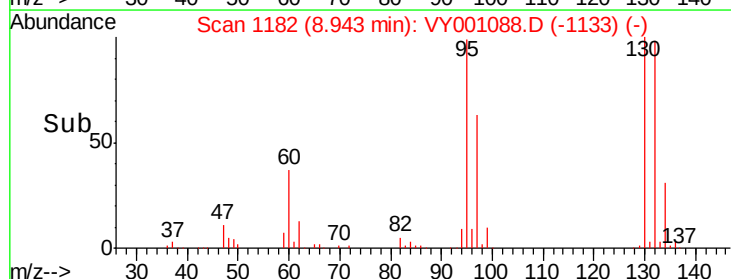
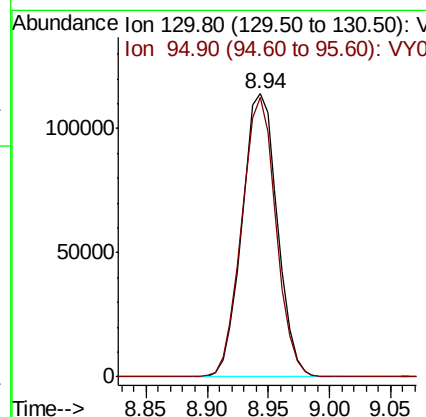
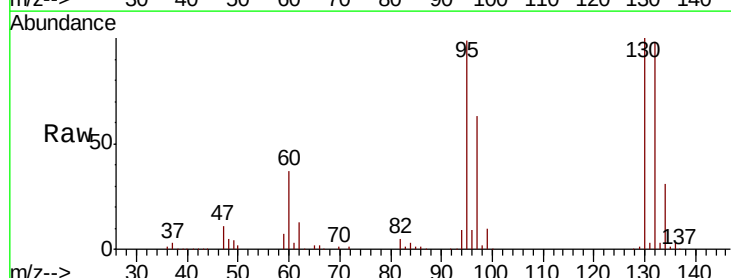
RT: 8.94 min Scan# 1182

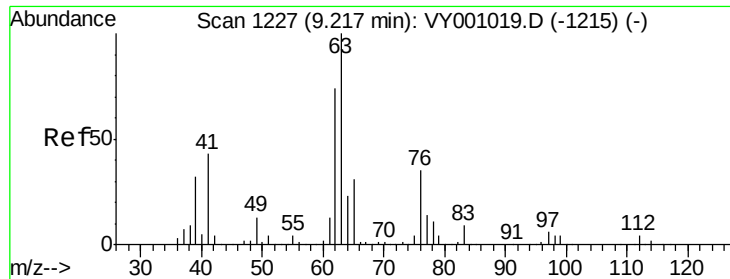
Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Tgt Ion:	130	Resp:	227820
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	190.6





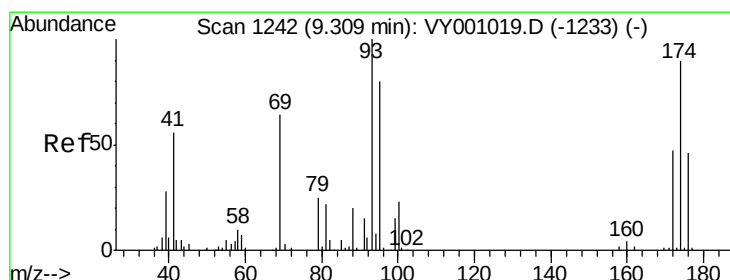
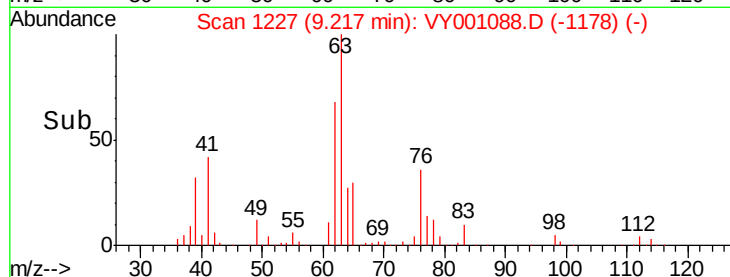
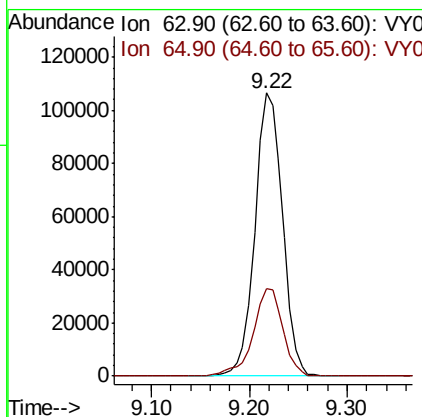
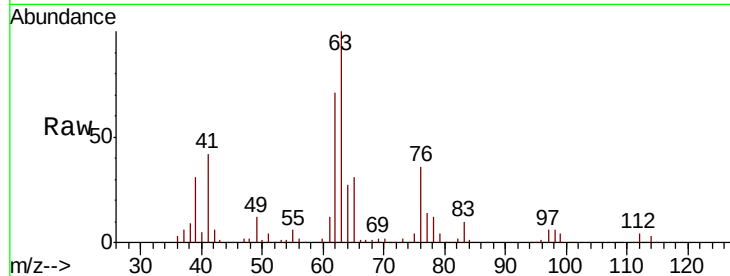
#45
 1,2-Dichloropropane
 Concen: 54.696 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 209641
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.1 37.7

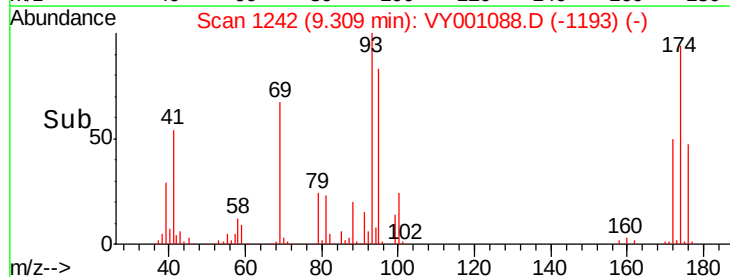
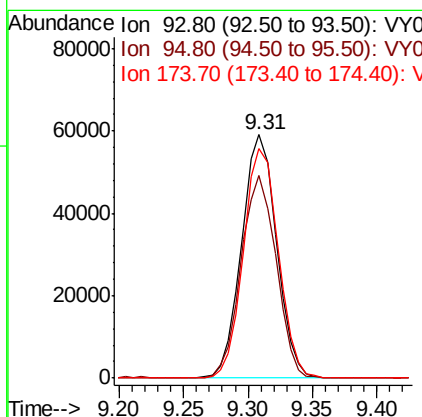
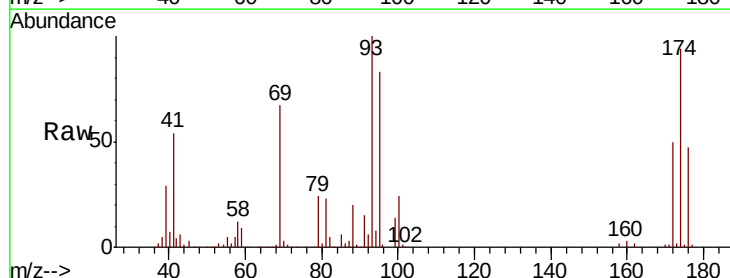
Manual Integrations
 APPROVED

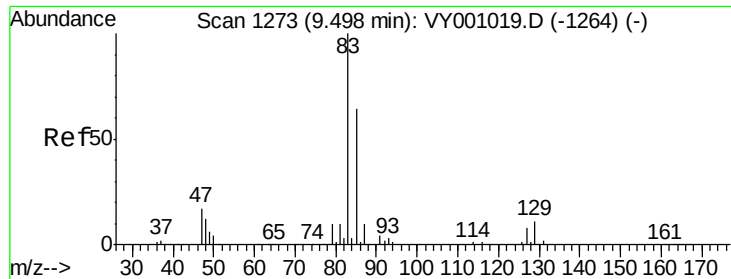
apatel
 12/30/2019 3:33:06 PM



#46
 Dibromomethane
 Concen: 56.107 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Tgt Ion: 93 Resp: 110855
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.7 100.1
 174 94.0 73.6 110.4





#47

Bromodichloromethane

Concen: 56.778 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

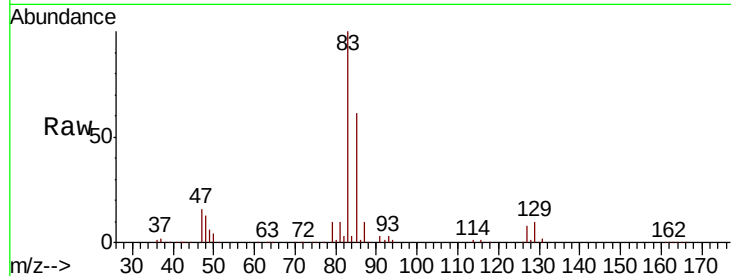
ClientSampleId :

VSTDCCC050

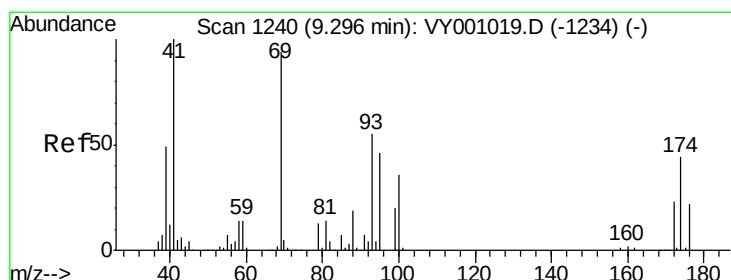
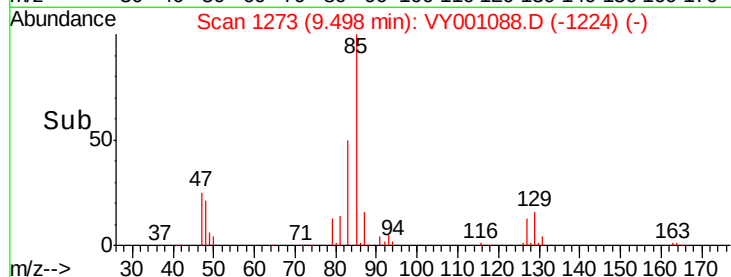
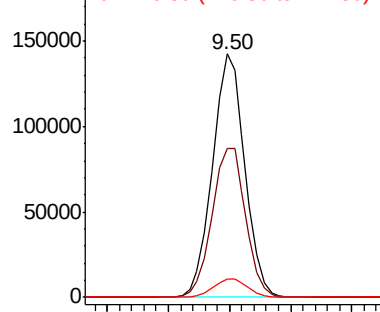
Tot Ion:	83	Resp:	259852
Ion Ratio	Lower	Upper	
83	100		
85	61.1	50.9	76.3
127	7.7	6.4	9.6

Manual Integrations
APPROVED

apatel
12/30/2019 3:33:06 PM



Abundance Ion 82.90 (82.60 to 83.60): VY001019.D (-1264) (-)



#48

Methyl methacrylate

Concen: 52.002 ug/l

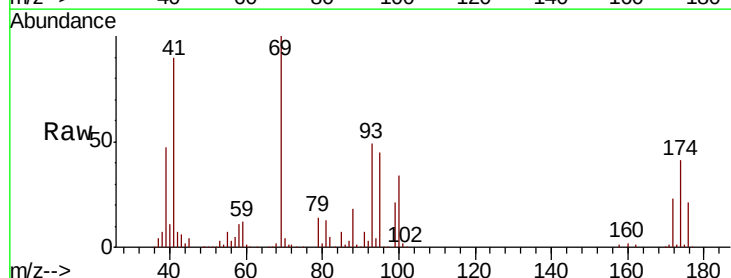
RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

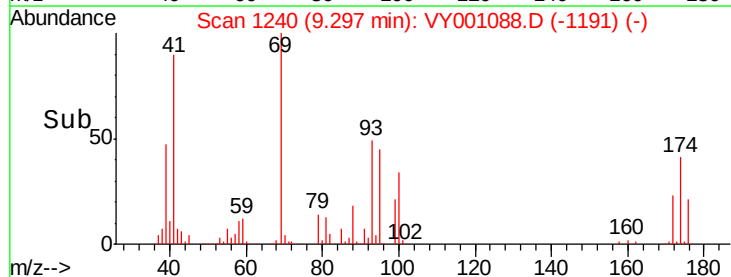
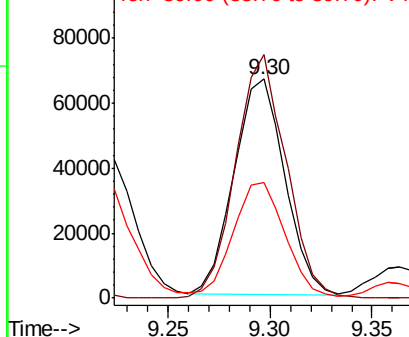
Lab File: VY001088.D

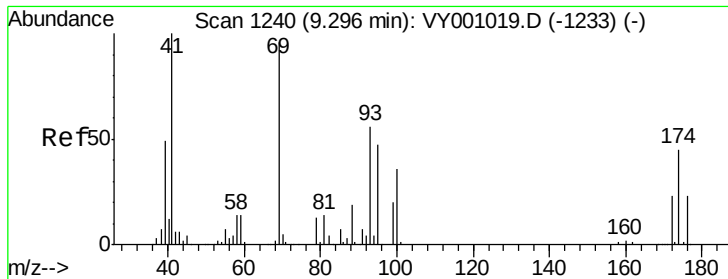
Acq: 27 Dec 2019 11:09

Tgt Ion:	41	Resp:	115194
Ion Ratio	Lower	Upper	
41	100		
69	112.0	79.8	119.6
39	55.3	41.7	62.5



Abundance Ion 41.00 (40.70 to 41.70): VY001019.D (-1234) (-)





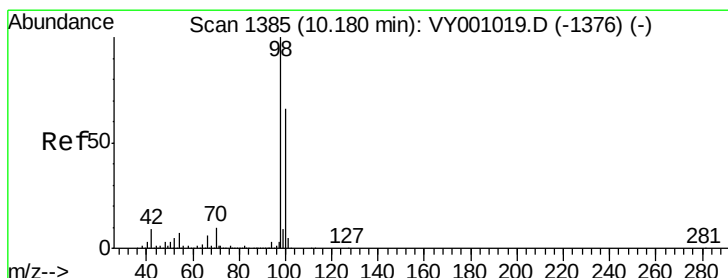
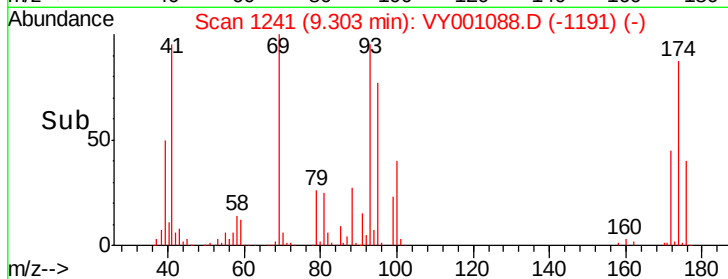
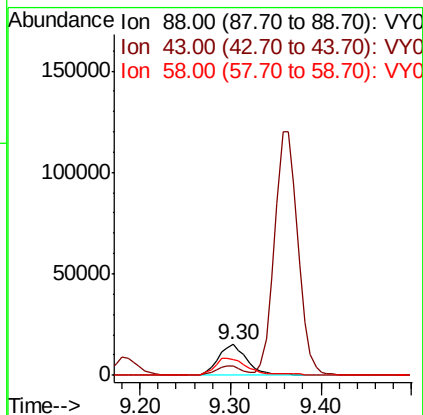
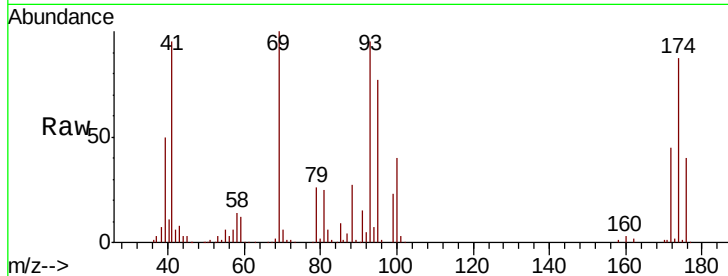
#49
1,4-Dioxane
Concen: 1171.776 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	33867
Ion	Ratio	Lower	Upper
88	100		
43	29.2	23.0	34.4
58	62.2	54.9	82.3

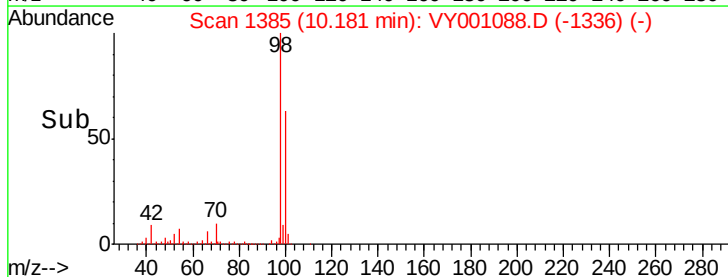
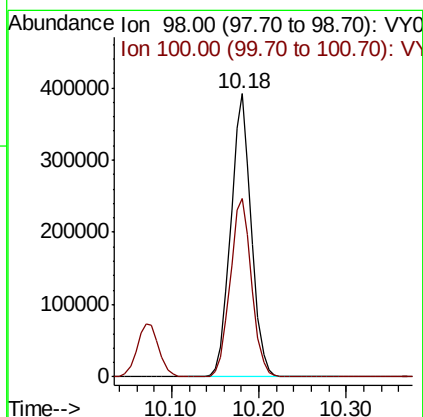
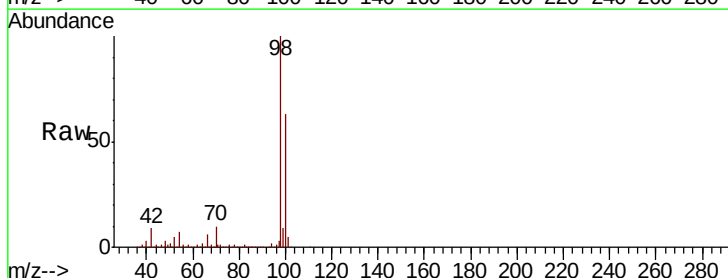
Manual Integrations
APPROVED

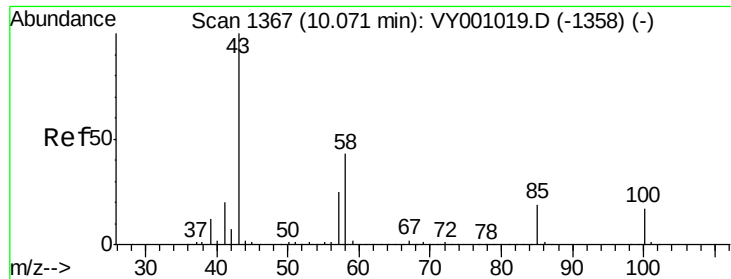
apatel
12/30/2019 3:33:06 PM



#50
Toluene-d8
Concen: 52.192 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Tgt Ion	98	Resp	637585
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 265.617 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 718654

Ion Ratio Lower Upper

43 100

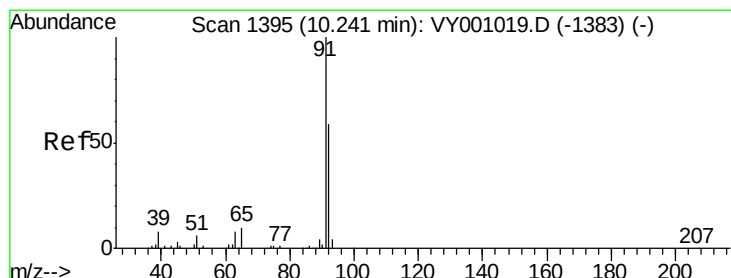
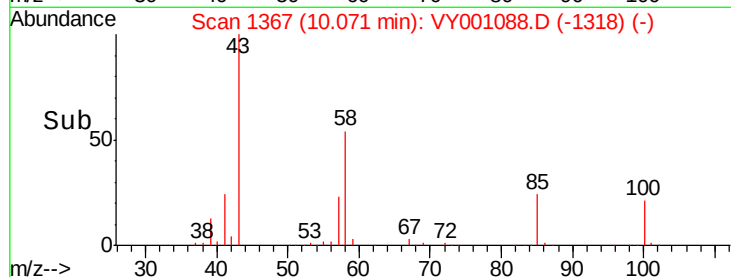
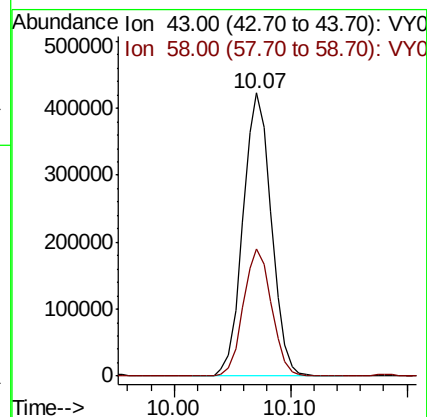
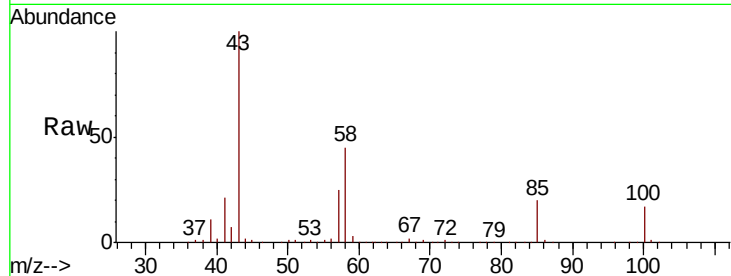
58 44.6 34.6 52.0

Manual Integrations

APPROVED

apatel

12/30/2019 3:33:06 PM



#52

Toluene

Concen: 56.002 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY001088.D

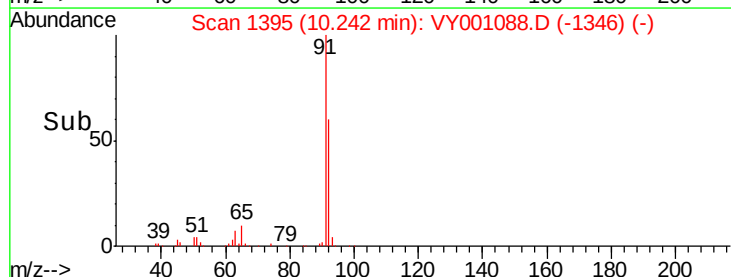
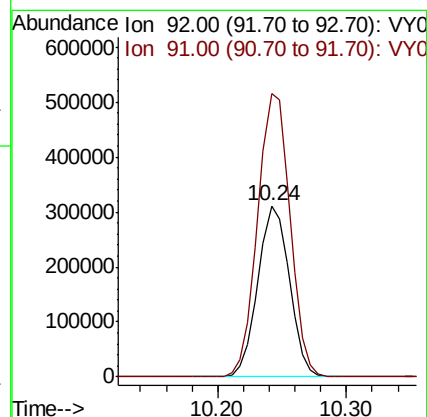
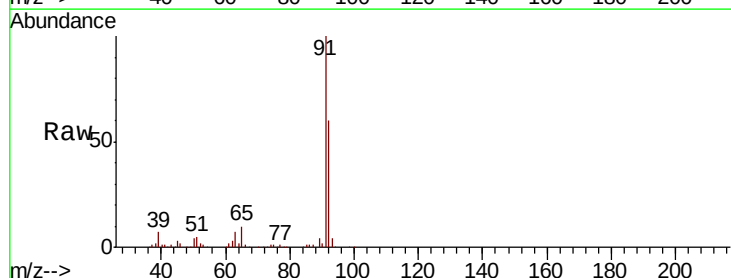
Acq: 27 Dec 2019 11:09

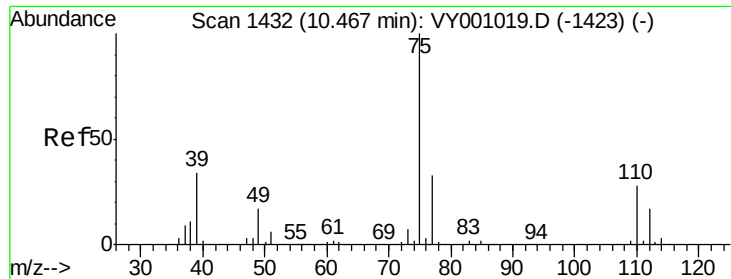
Tgt Ion: 92 Resp: 526623

Ion Ratio Lower Upper

92 100

91 170.2 135.7 203.5





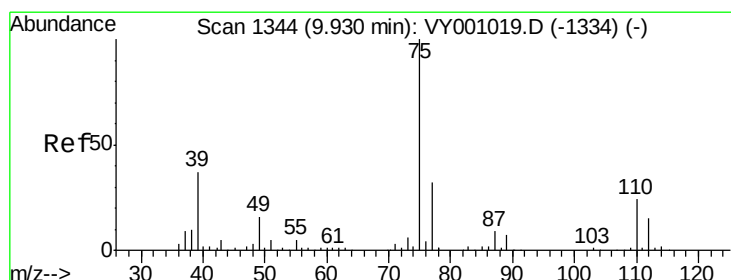
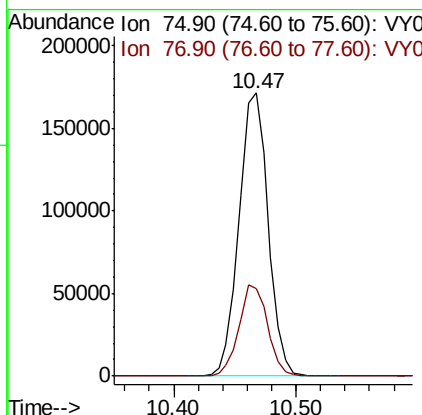
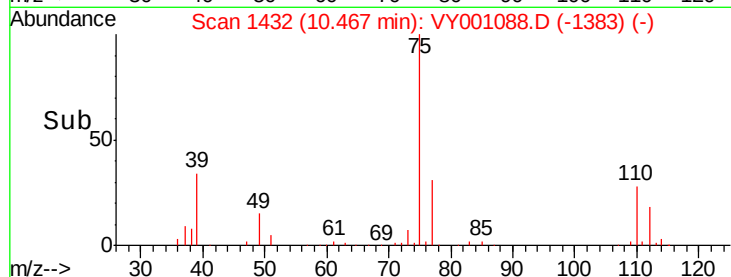
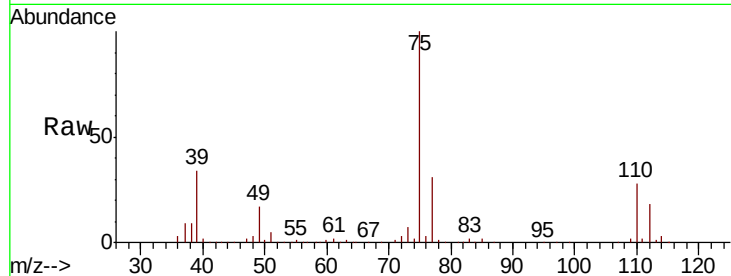
#53
 t-1,3-Dichloropropene
 Concen: 56.845 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 282347
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.5 39.7

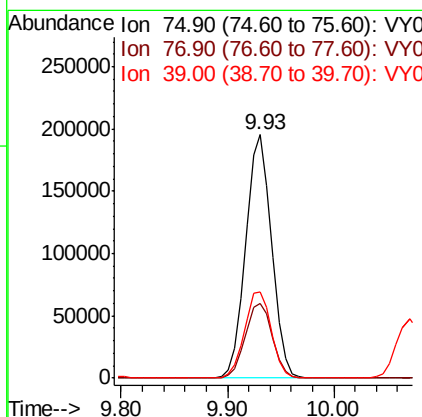
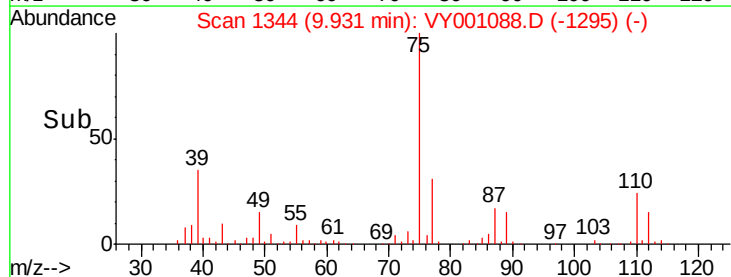
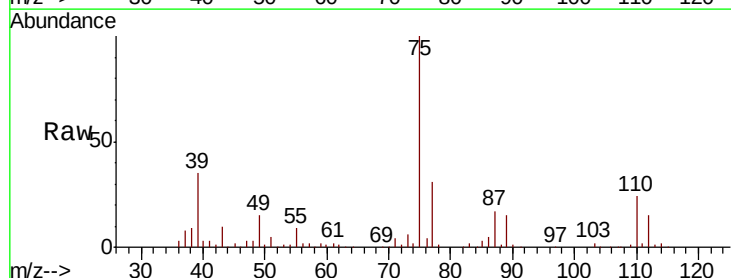
Manual Integrations
 APPROVED

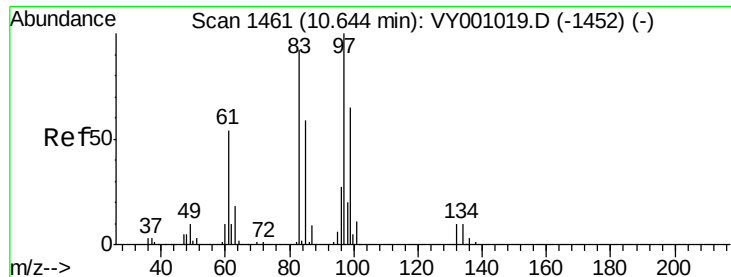
apatel
 12/30/2019 3:33:06 PM



#54
 cis-1,3-Dichloropropene
 Concen: 55.871 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Tgt Ion: 75 Resp: 333692
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.2 37.8
 39 35.2 29.5 44.3





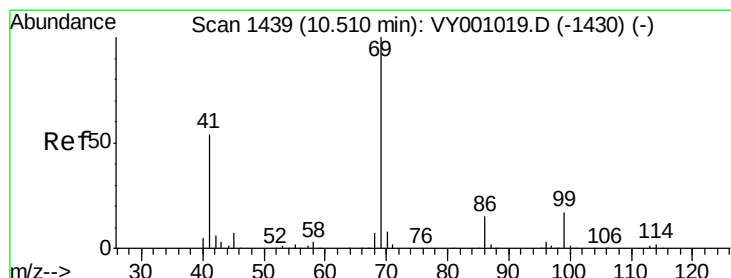
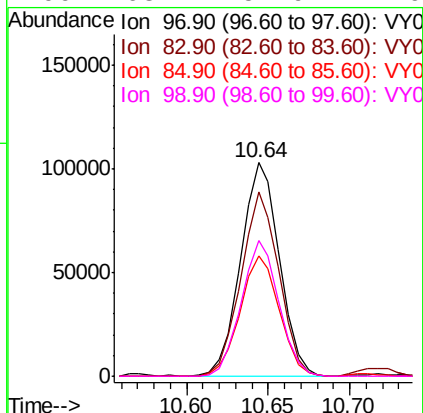
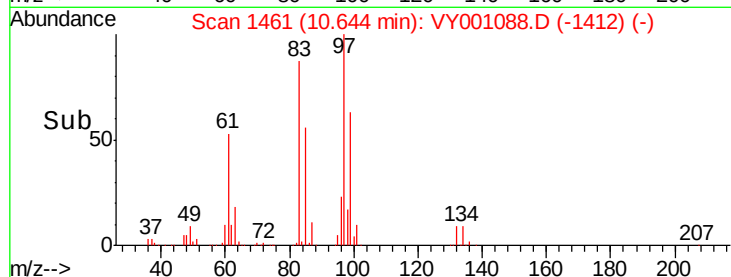
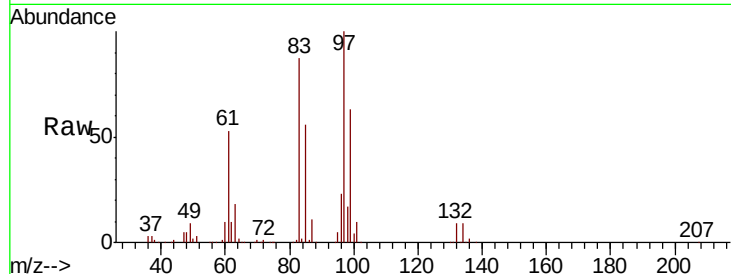
#55
 1,1,2-Trichloroethane
 Concen: 57.581 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.6	73.7	110.5
85	56.1	47.3	70.9
99	63.4	51.9	77.9

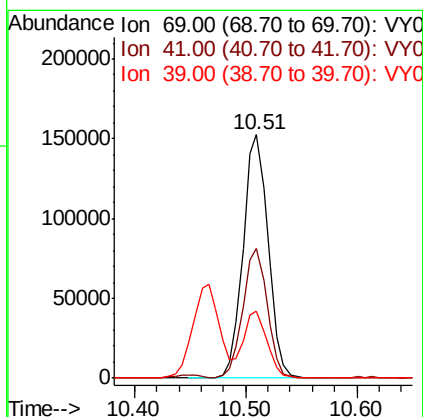
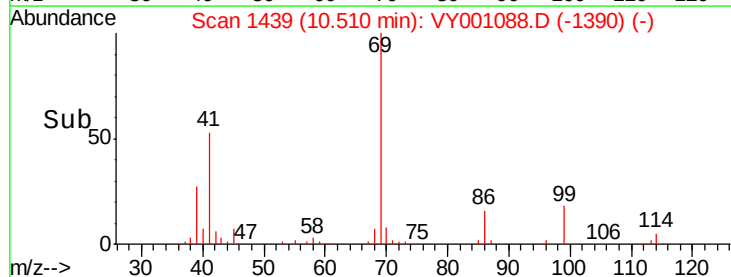
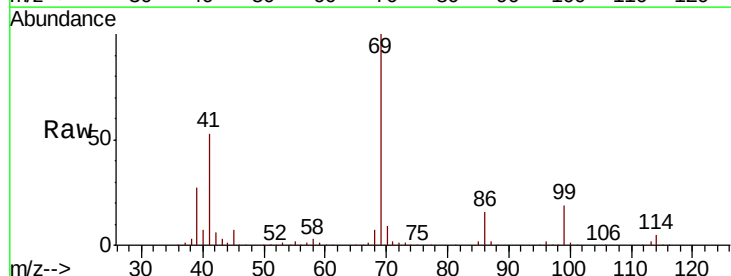
Manual Integrations
 APPROVED

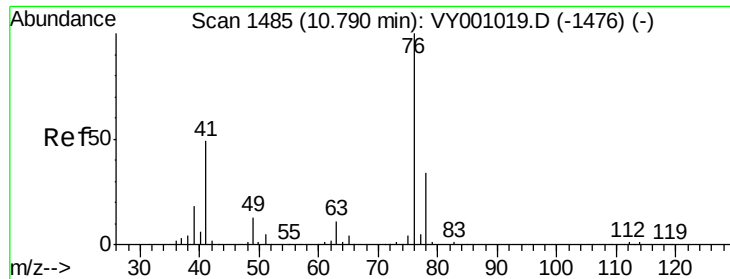
apatel
 12/30/2019 3:33:06 PM



#56
 Ethyl methacrylate
 Concen: 56.622 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	52.1	44.7	67.1
39	26.4	22.2	33.4





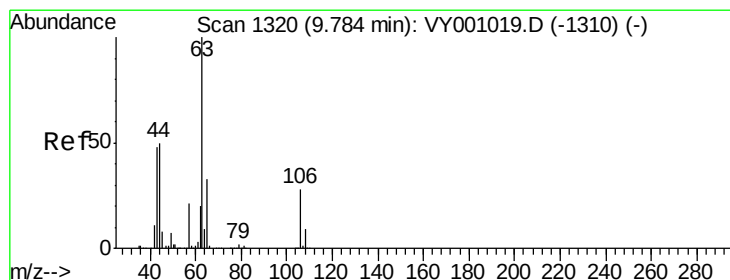
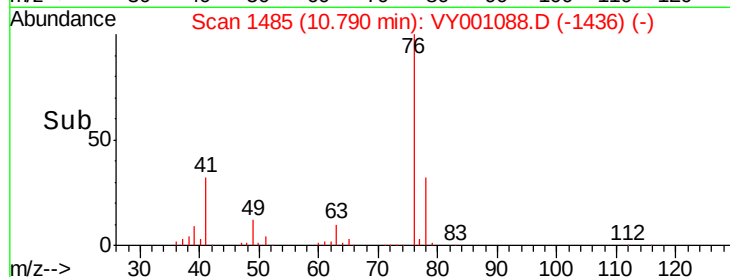
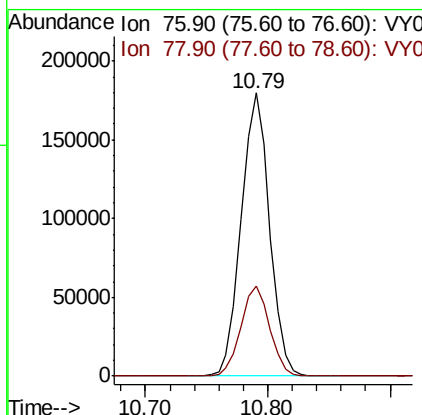
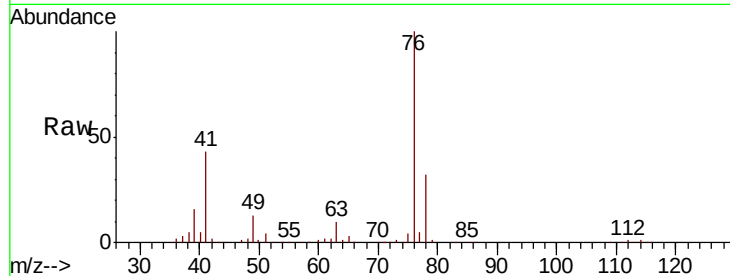
#57
 1,3-Dichloropropane
 Concen: 55.571 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

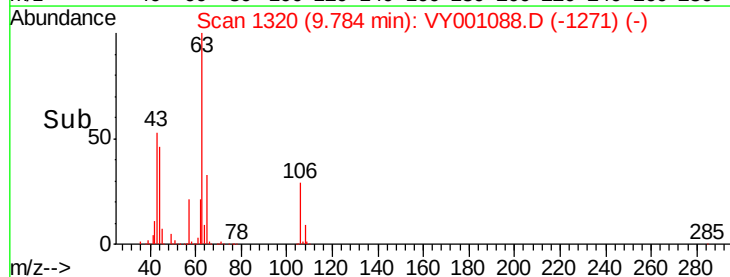
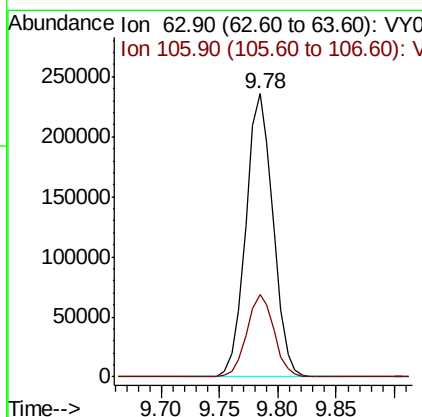
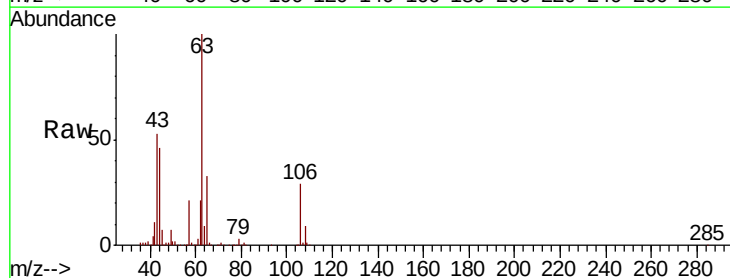
Manual Integrations
 APPROVED

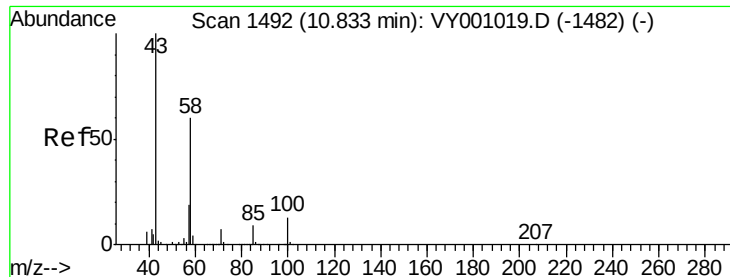
apatel
 12/30/2019 3:33:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.897 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	22.7	34.1





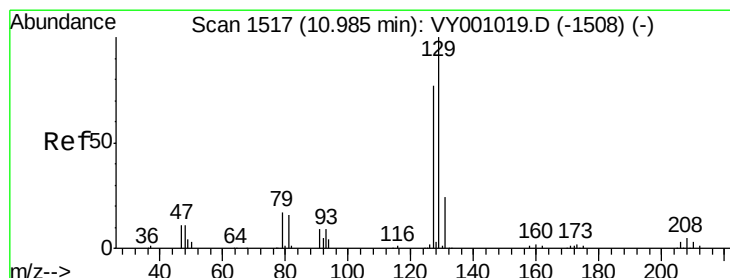
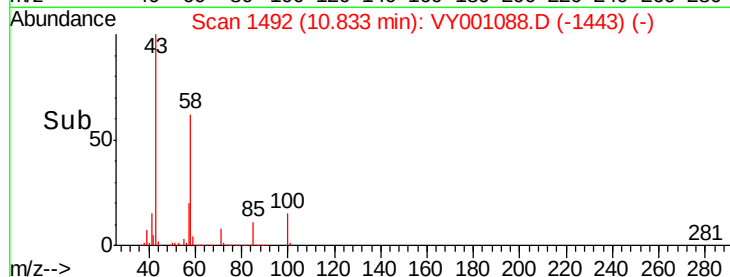
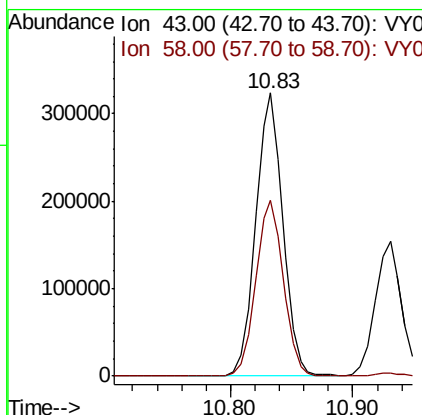
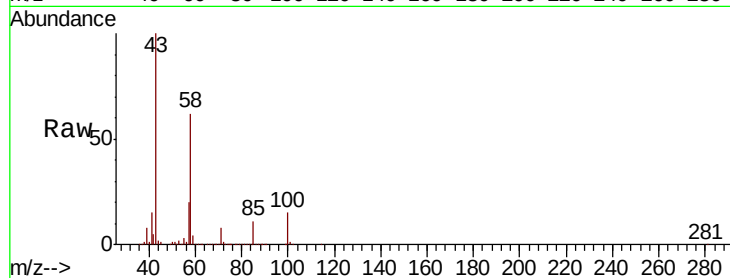
#59
2-Hexanone
Concen: 267.889 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	63.0	30.6	91.6

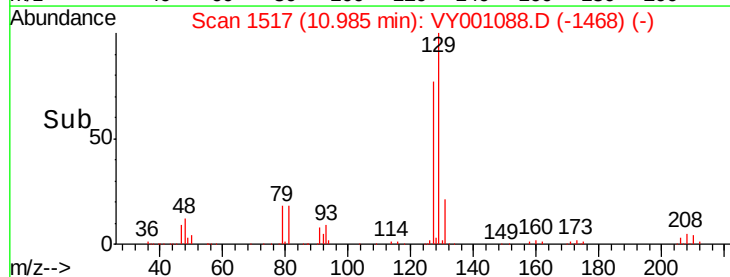
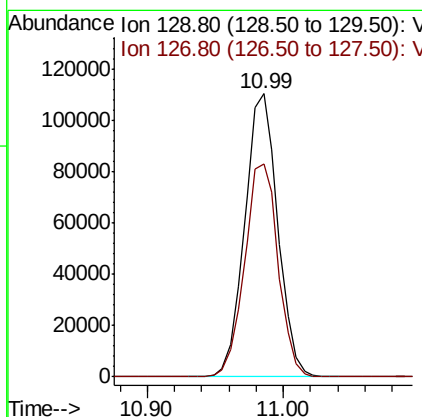
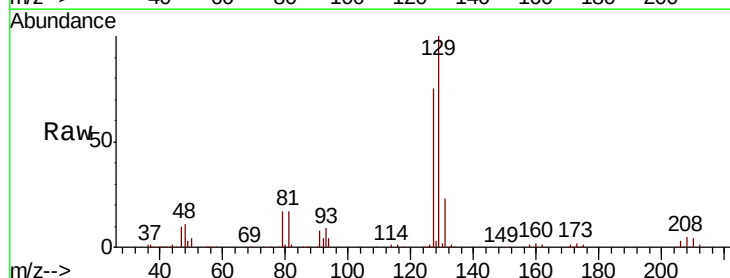
Manual Integrations
APPROVED

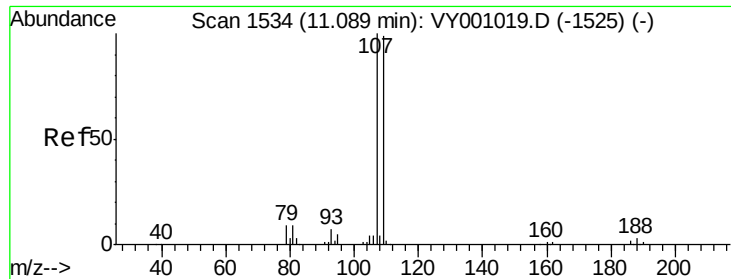
apatel
12/30/2019 3:33:06 PM



#60
Dibromochloromethane
Concen: 59.469 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	39.1	117.3





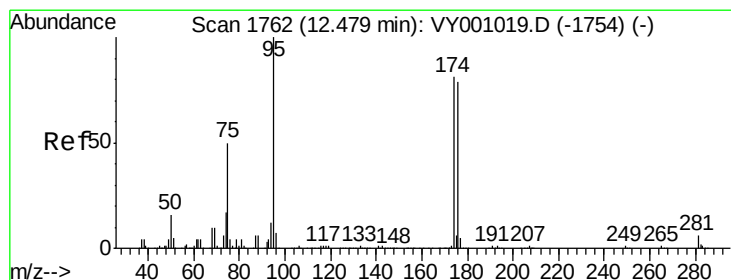
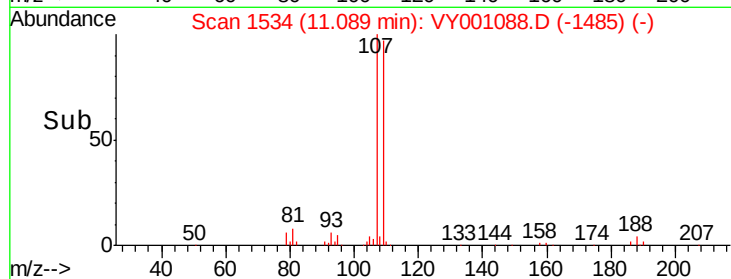
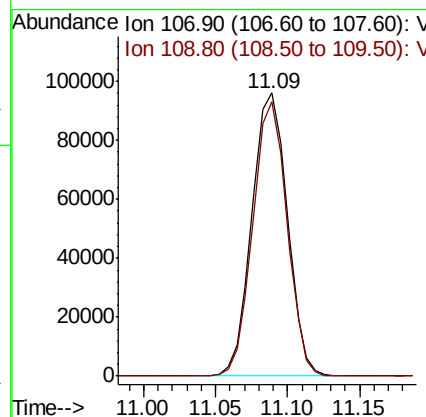
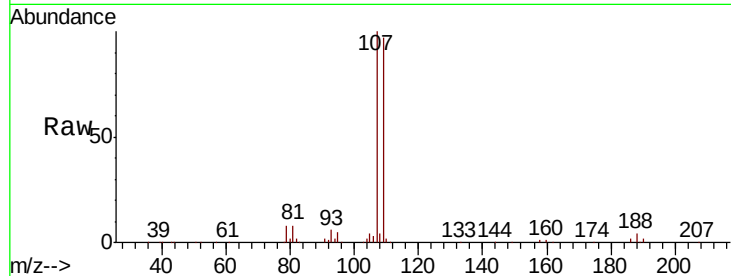
#61
 1,2-Dibromoethane
 Concen: 57.951 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.8	112.2

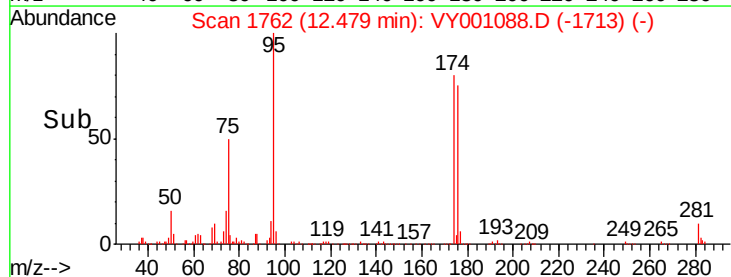
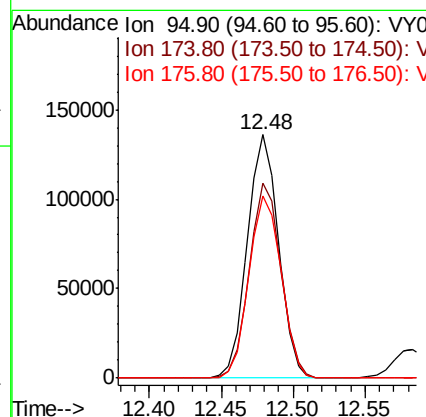
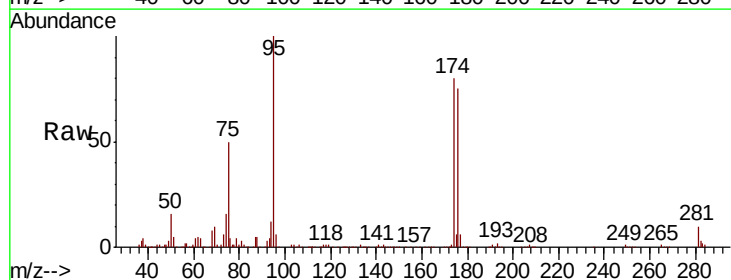
Manual Integrations
 APPROVED

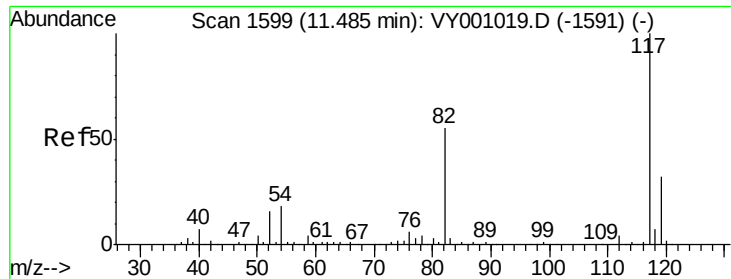
apatel
 12/30/2019 3:33:06 PM



#62
 4-Bromofluorobenzene
 Concen: 45.677 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	156.4
176	77.5	0.0	155.0





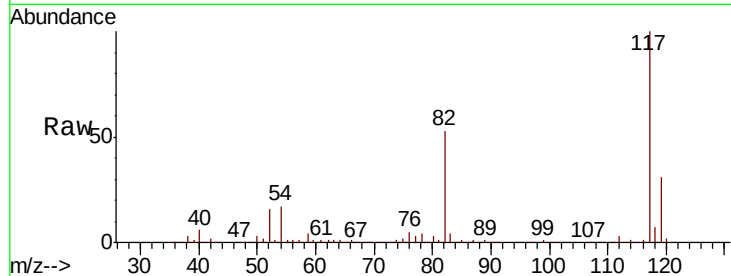
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.8	65.8
119	31.3	25.8	38.6

Manual Integrations
APPROVED

apatel
12/30/2019 3:33:06 PM

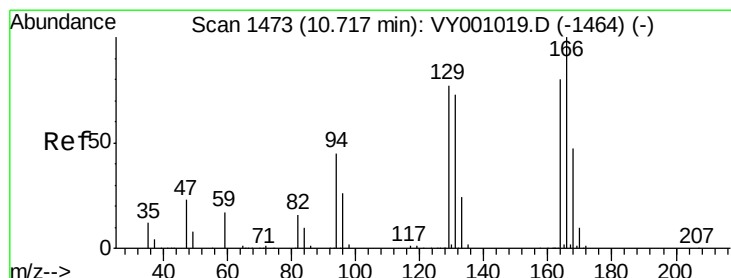
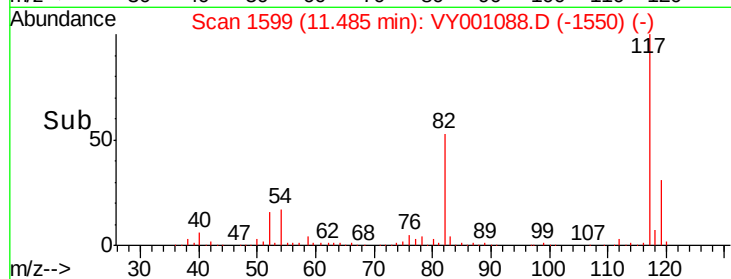
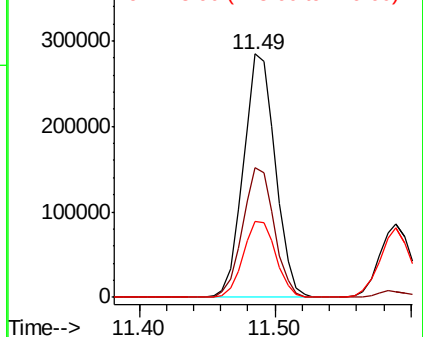


Abundance

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: 56.715 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	99.7	149.5
129	98.7	76.9	115.3
131	91.5	72.3	108.5

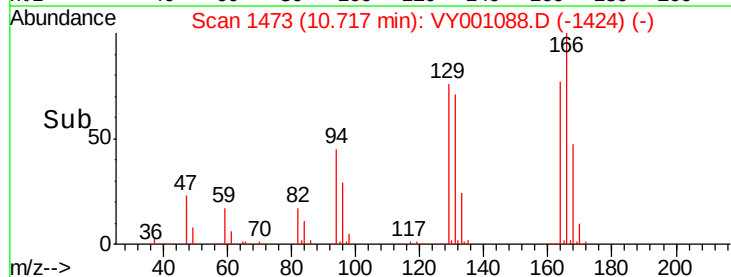
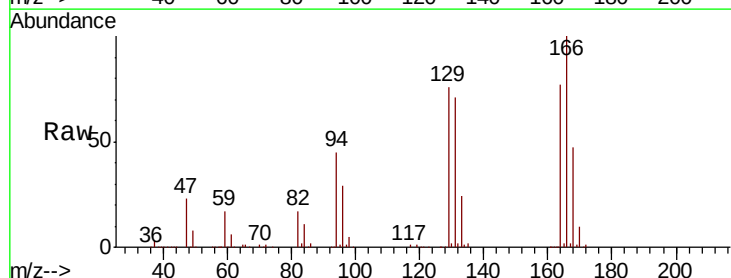
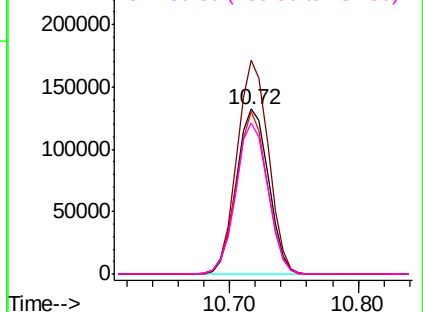
Abundance

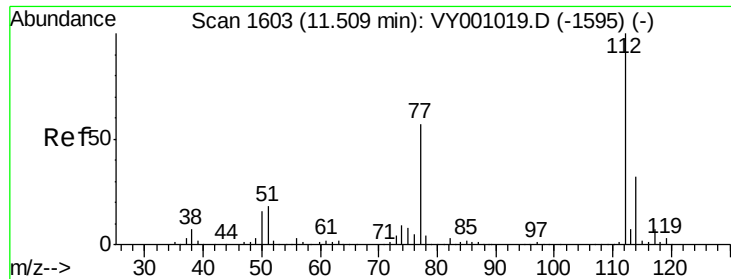
Ion 163.80 (163.50 to 164.50): V

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





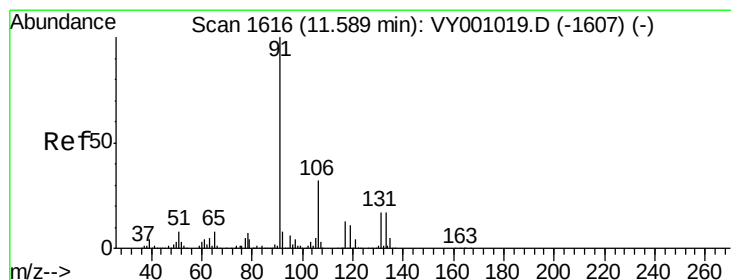
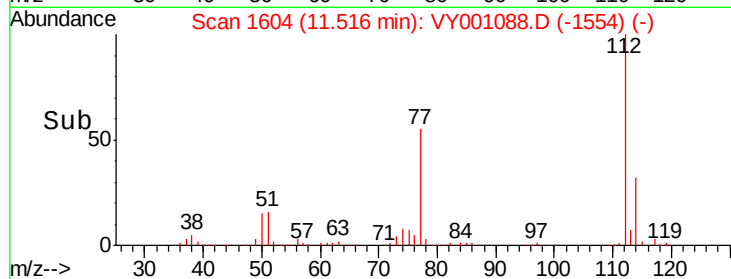
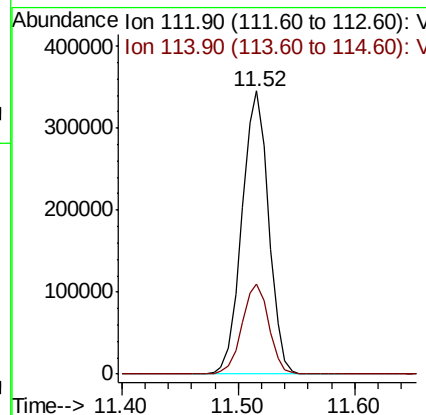
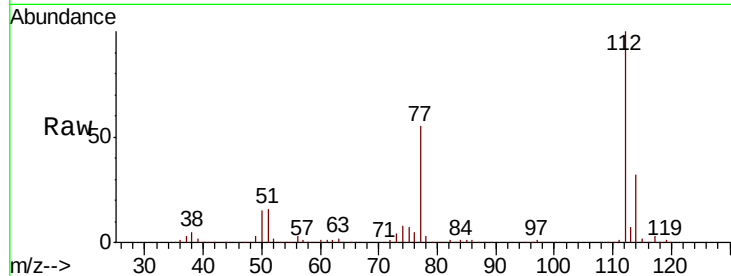
#65
Chlorobenzene
Concen: 57.090 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 551751
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

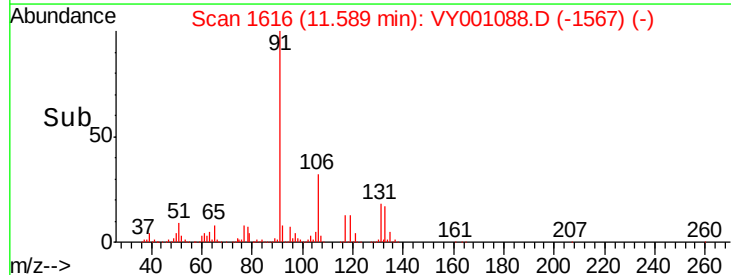
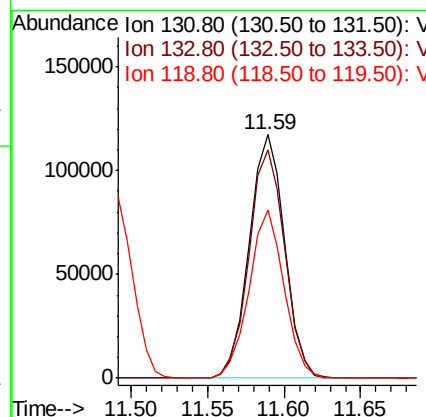
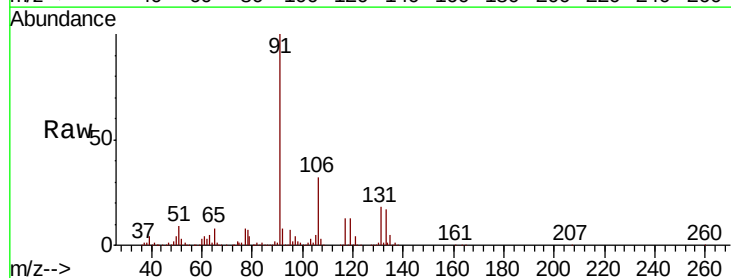
Manual Integrations
APPROVED

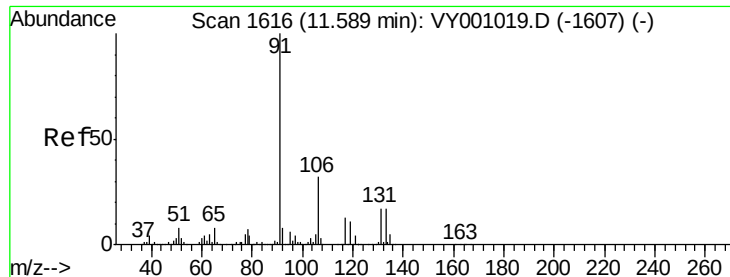
apatel
12/30/2019 3:33:06 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 58.921 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Tgt Ion:131 Resp: 187922
Ion Ratio Lower Upper
131 100
133 94.9 48.1 144.4
119 68.4 34.0 101.8





#67

Ethyl Benzene

Concen: 57.400 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 997801

Ion Ratio Lower Upper

91 100

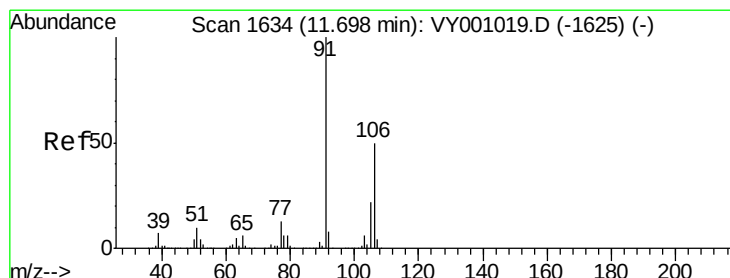
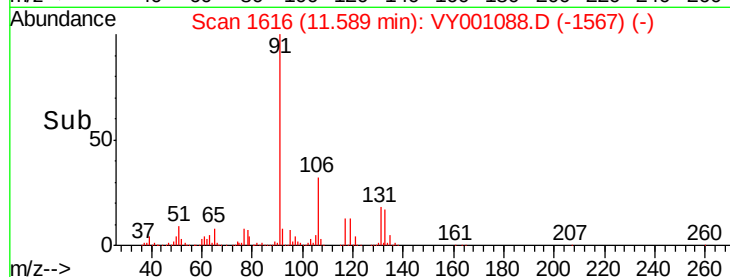
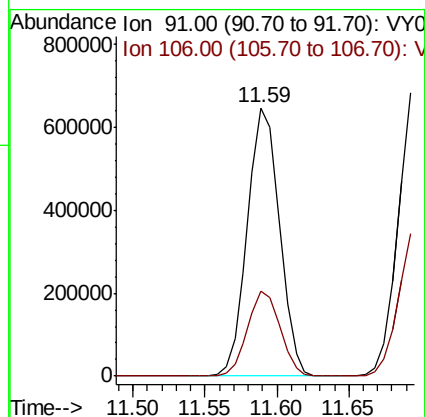
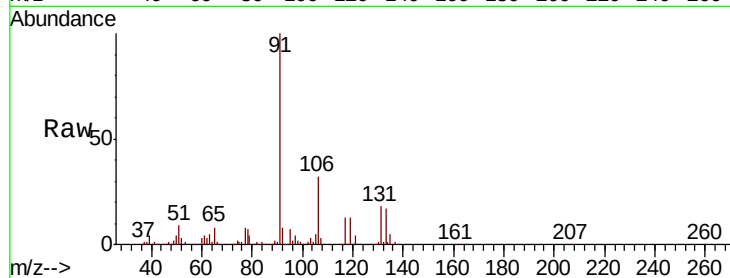
106 31.8 25.3 37.9

Manual Integrations

APPROVED

apatel

12/30/2019 3:33:06 PM



#68

m/p-Xylenes

Concen: 115.383 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY001088.D

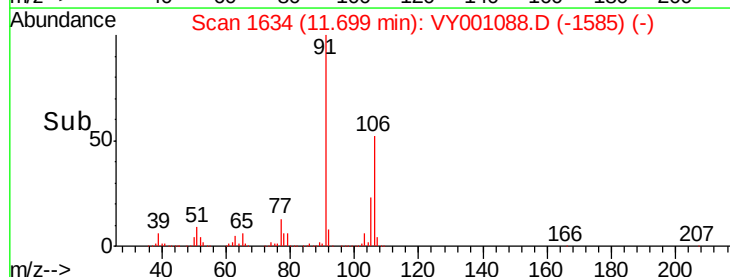
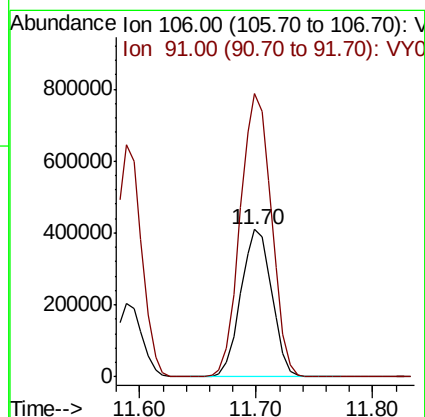
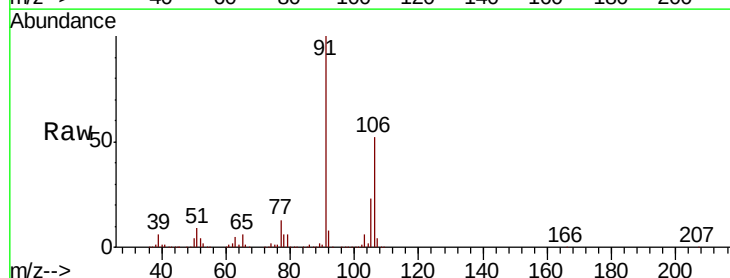
Acq: 27 Dec 2019 11:09

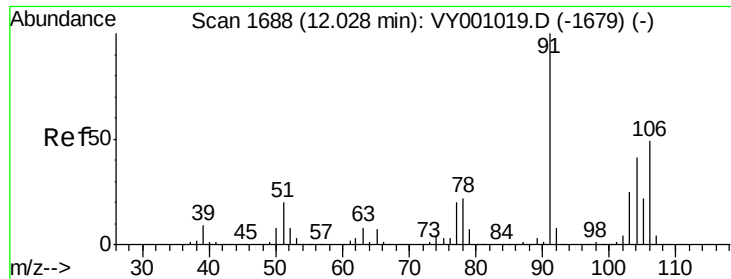
Tgt Ion: 106 Resp: 761576

Ion Ratio Lower Upper

106 100

91 193.2 156.4 234.6





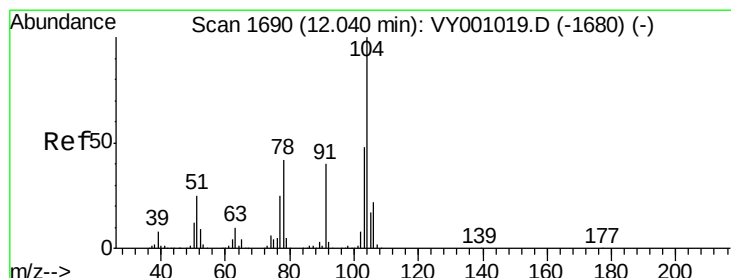
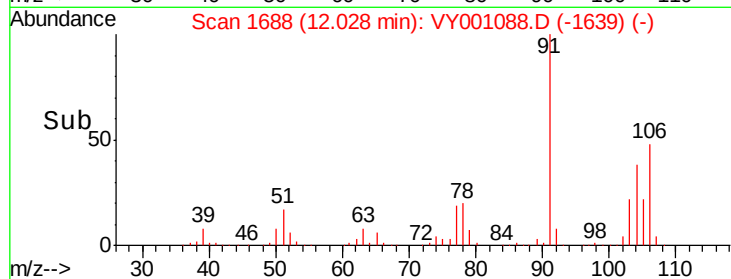
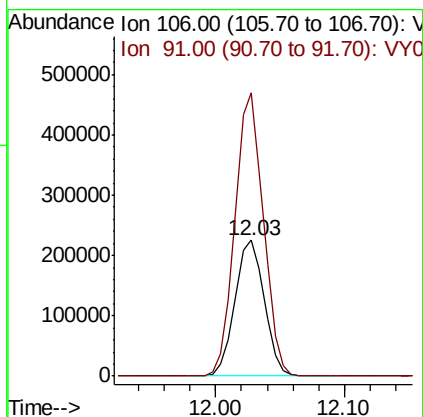
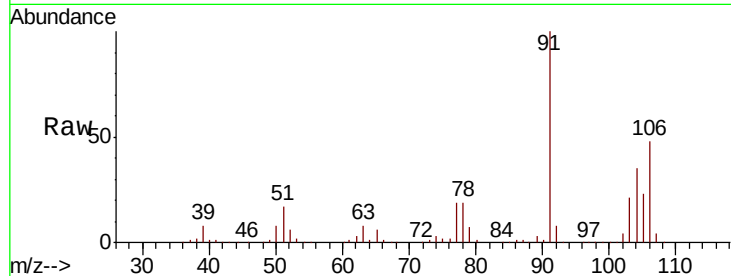
#69
o-Xylene
Concen: 57.289 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 355735
Ion Ratio Lower Upper
106 100
91 202.7 103.0 309.0

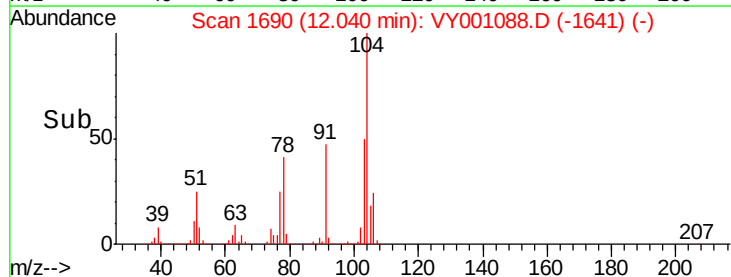
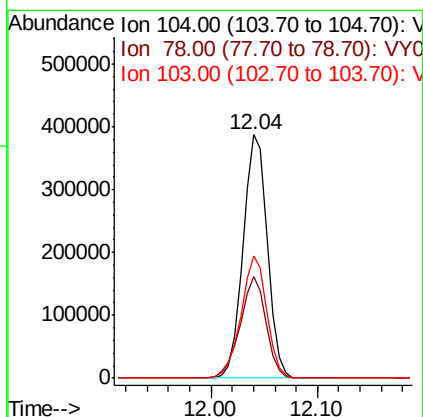
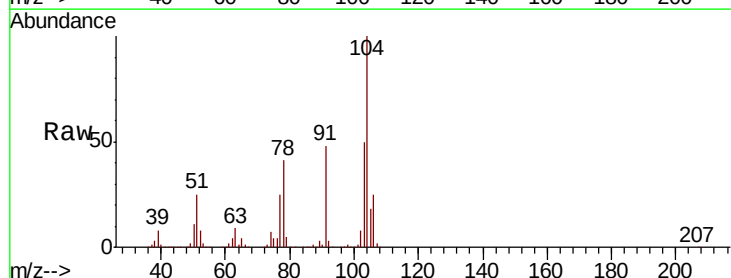
Manual Integrations
APPROVED

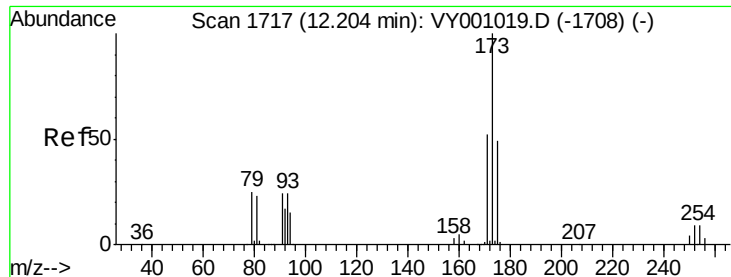
apatel
12/30/2019 3:33:06 PM



#70
Styrene
Concen: 58.631 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Tgt Ion:104 Resp: 619041
Ion Ratio Lower Upper
104 100
78 44.5 36.6 54.8
103 53.1 42.6 64.0





#71

Bromoform

Concen: 59.665 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 105958

Ion Ratio Lower Upper

173 100

175 48.7 24.5 73.5

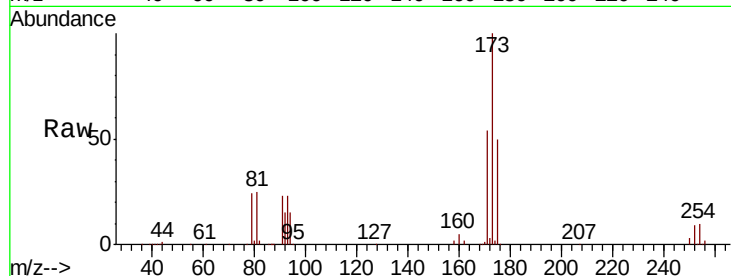
254 0.2 0.0 0.0#

Manual Integrations

APPROVED

apatel

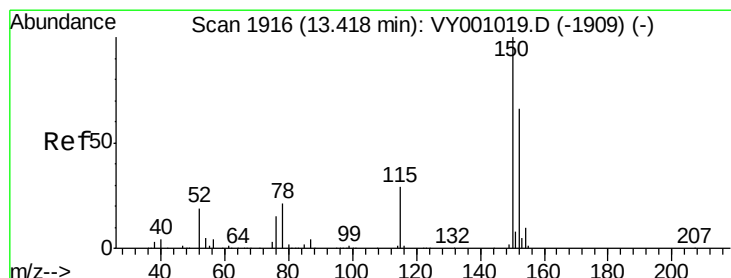
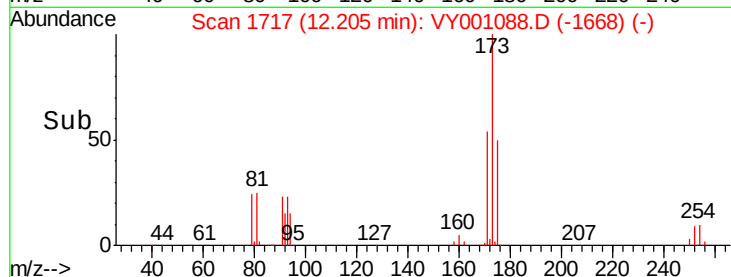
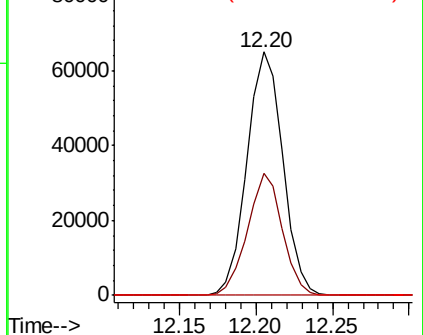
12/30/2019 3:33:06 PM



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: VY001088.D

Acq: 27 Dec 2019 11:09

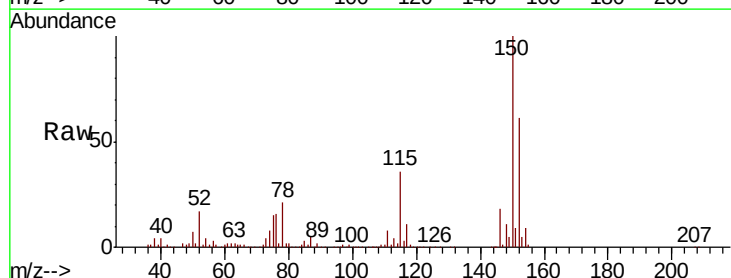
Tgt Ion:152 Resp: 207534

Ion Ratio Lower Upper

152 100

115 58.2 29.8 89.3

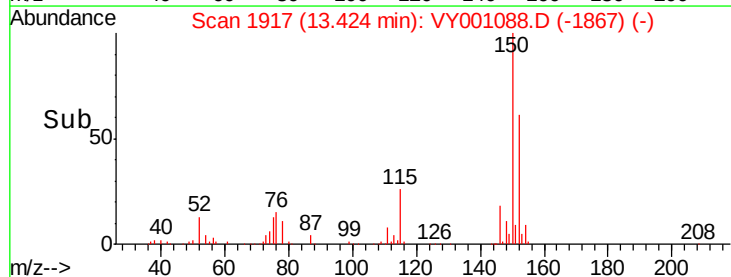
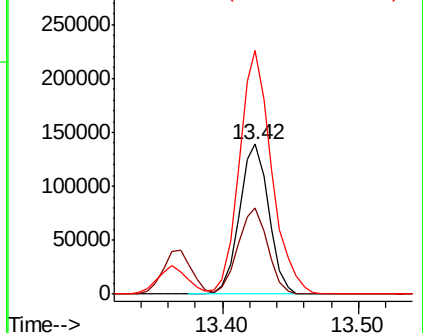
150 179.2 0.0 352.6

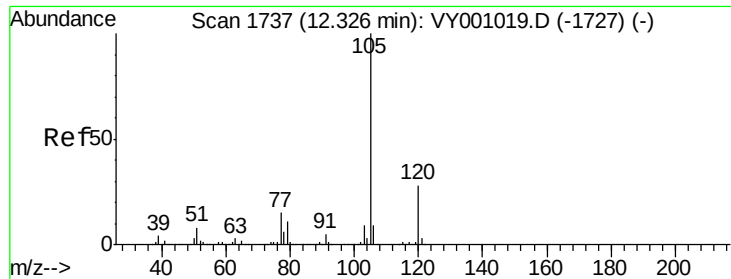


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 58.774 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 943900

Ion Ratio Lower Upper

105 100

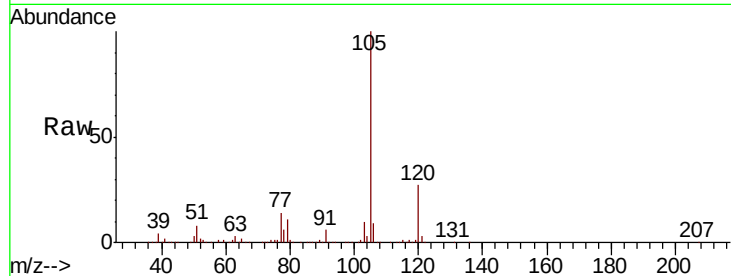
120 27.5 13.4 40.2

Manual Integrations

APPROVED

apatel

12/30/2019 3:33:06 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

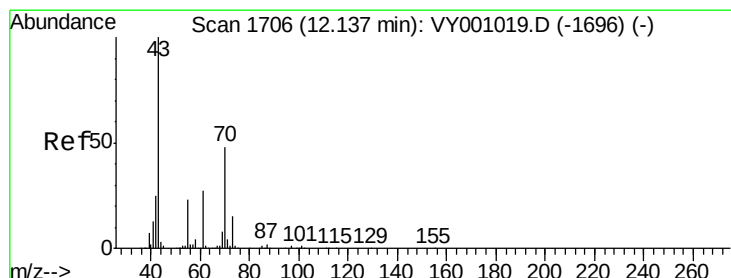
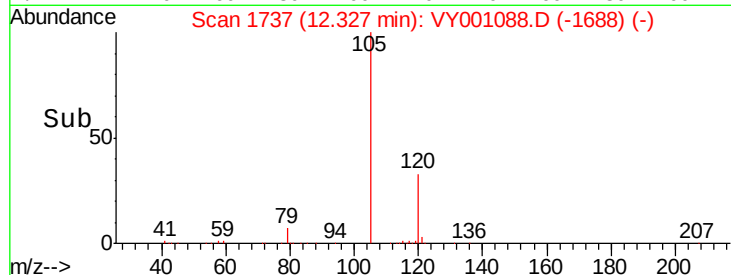
600000

400000

200000

0

Time--> 12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 53.333 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Tgt Ion: 43 Resp: 225019

Ion Ratio Lower Upper

43 100

70 52.5 39.0 58.6

55 25.9 19.5 29.3

61 29.4 22.0 33.0

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

200000

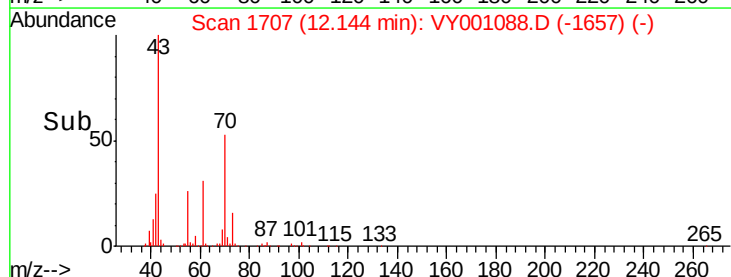
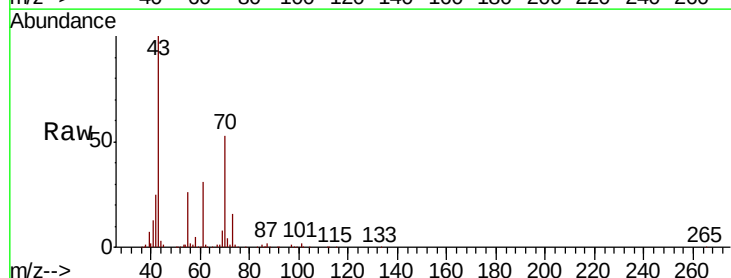
150000

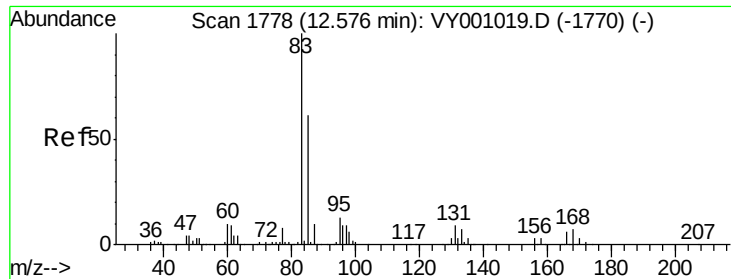
100000

50000

0

Time--> 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 59.197 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

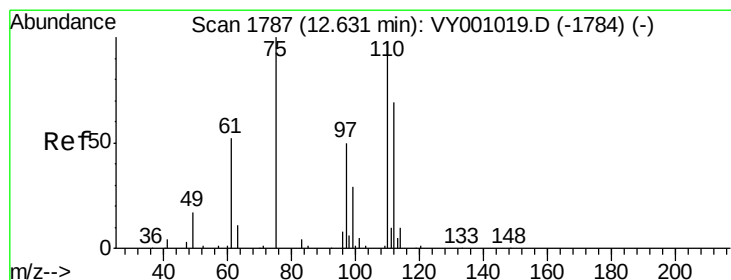
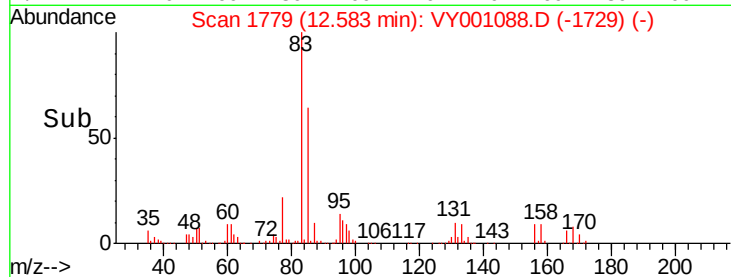
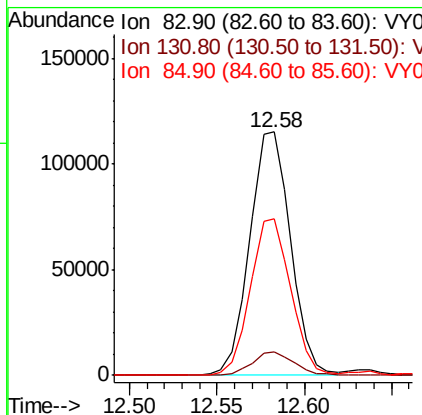
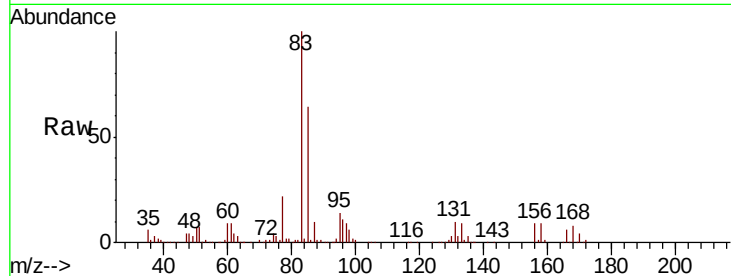
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	187287
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.3
85	63.3	32.1	96.5

Manual Integrations
APPROVED

apatel
12/30/2019 3:33:06 PM



#76

1,2,3-Trichloropropane

Concen: 50.962 ug/l m

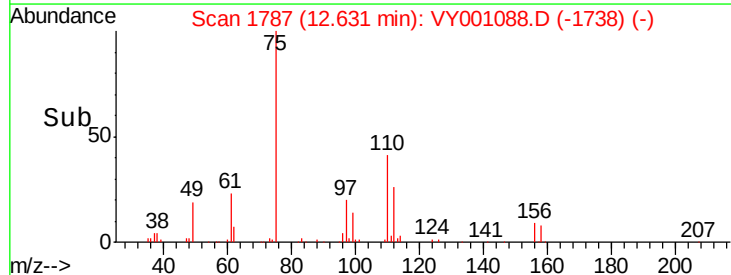
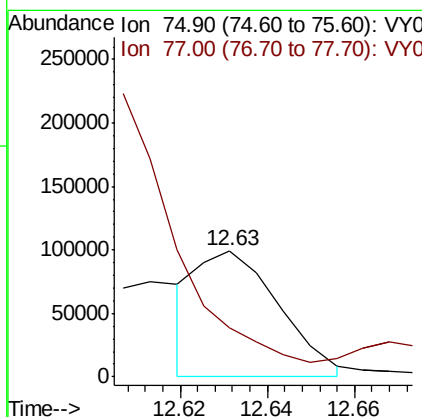
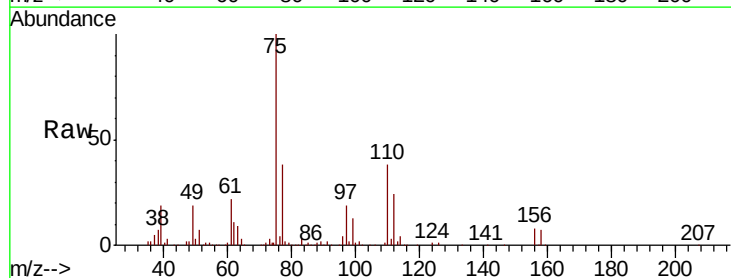
RT: 12.63 min Scan# 1787

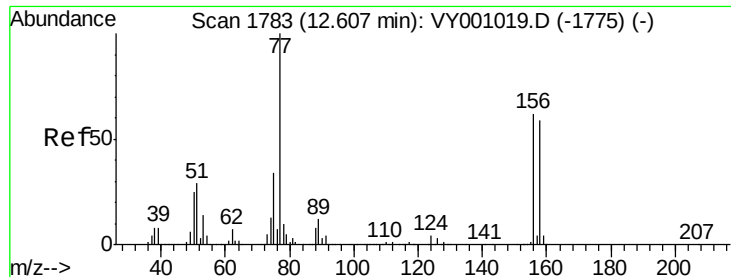
Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Tgt Ion:	75	Resp:	130386
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





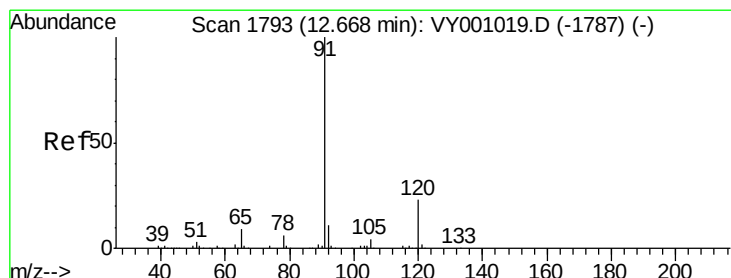
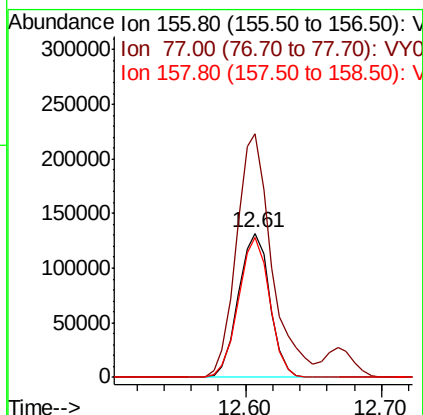
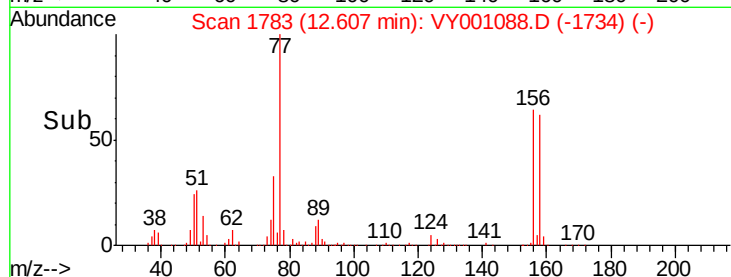
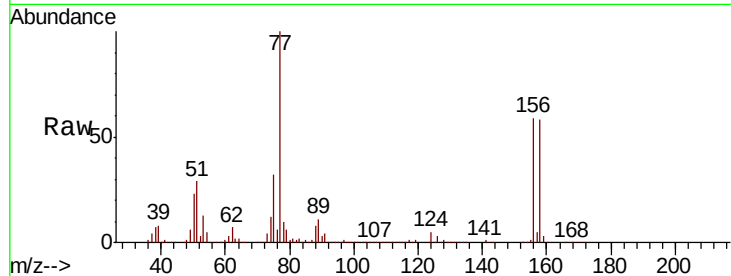
#77
Bromobenzene
Concen: 58.838 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.9	98.0	294.1
158	96.2	48.5	145.6

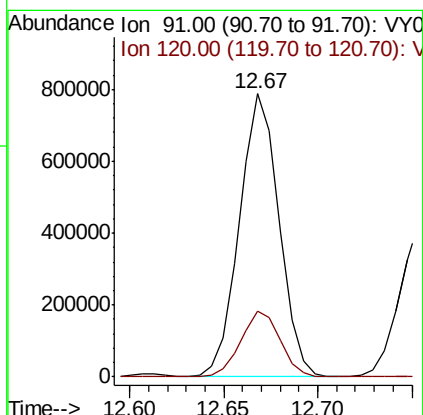
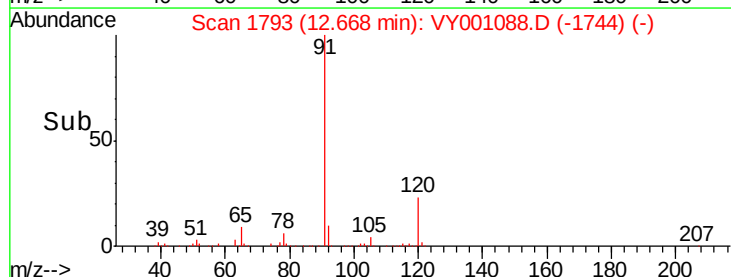
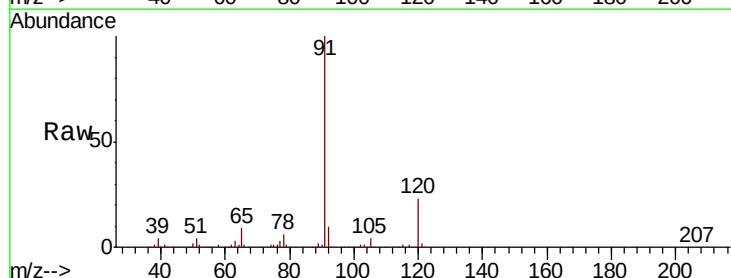
Manual Integrations
APPROVED

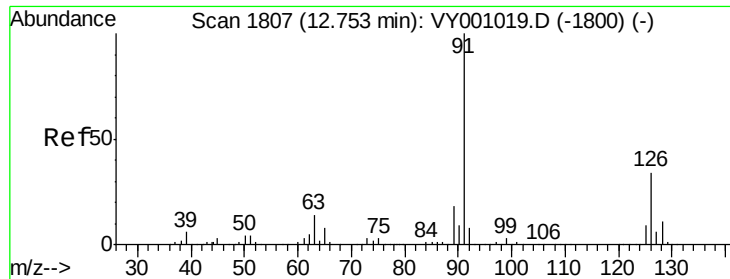
apatel
12/30/2019 3:33:06 PM



#78
n-propylbenzene
Concen: 58.648 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.4	34.2





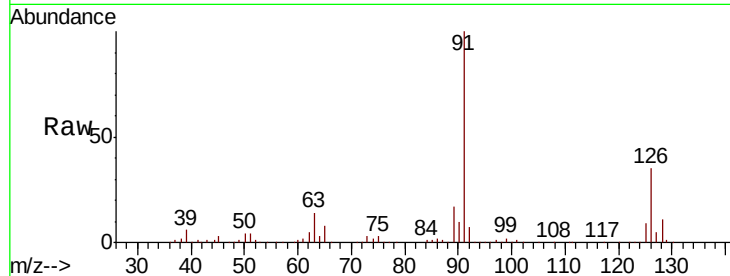
#79
2-Chlorotoluene
Concen: 57.166 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

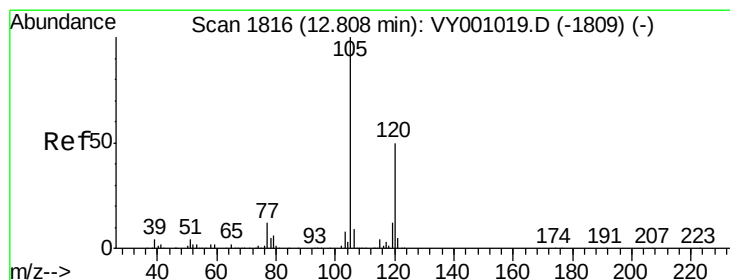
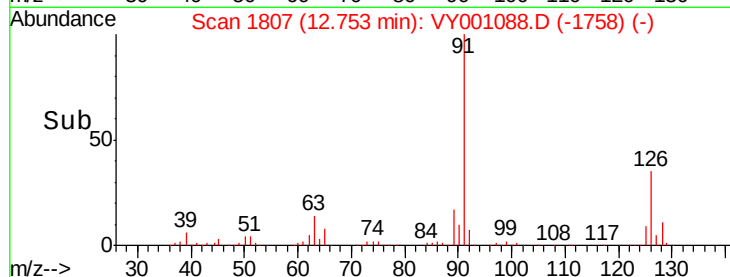
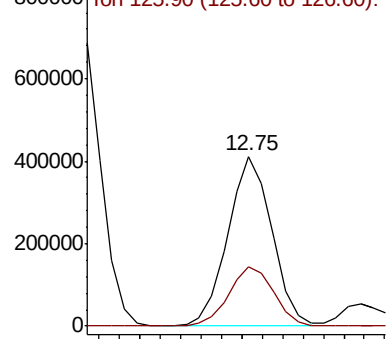
Tot Ion: 91 Resp: 617786
Ion Ratio Lower Upper
91 100
126 35.9 17.3 51.7

Manual Integrations
APPROVED

apatel
12/30/2019 3:33:06 PM

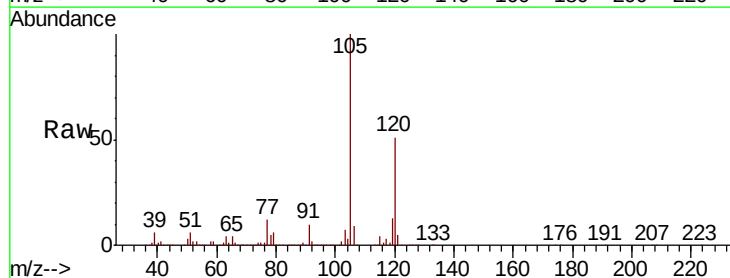


Abundance Ion 91.00 (90.70 to 91.70): VY001019.D (-1800) (-)
Ion 125.90 (125.60 to 126.60): VY001019.D (-1800) (-)

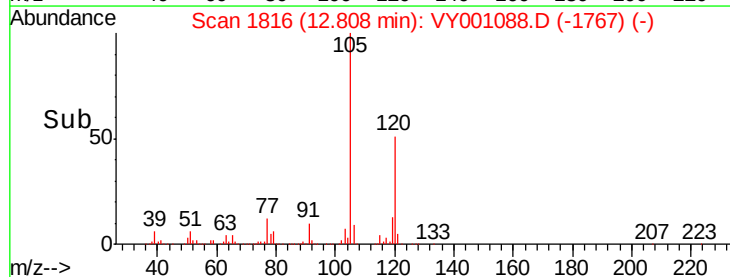
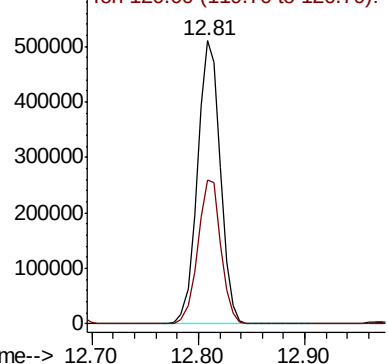


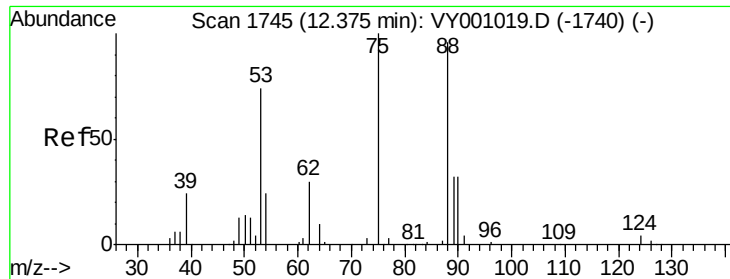
#80
1,3,5-Trimethylbenzene
Concen: 57.993 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Tgt Ion: 105 Resp: 763432
Ion Ratio Lower Upper
105 100
120 51.2 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) (-)





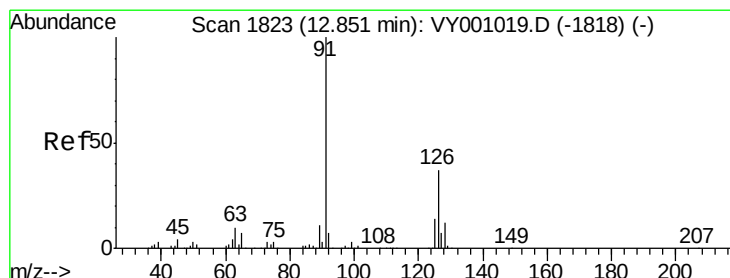
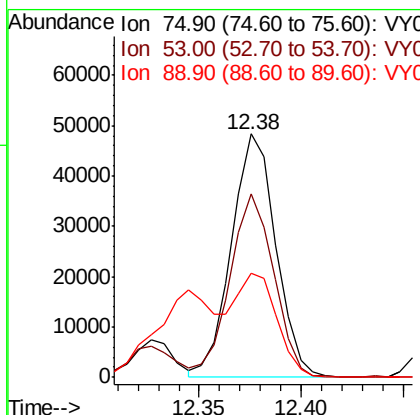
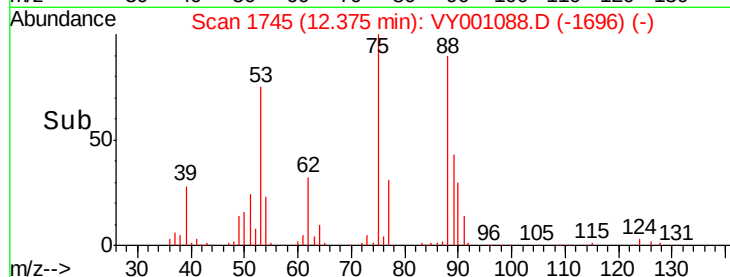
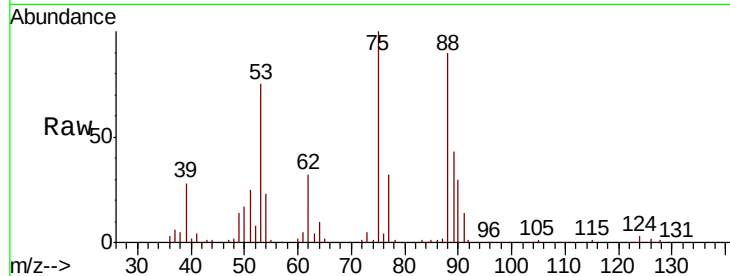
#81
trans-1,4-Dichloro-2-butene
Concen: 60.814 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	74.5	60.6	91.0
89	44.8	35.4	53.0

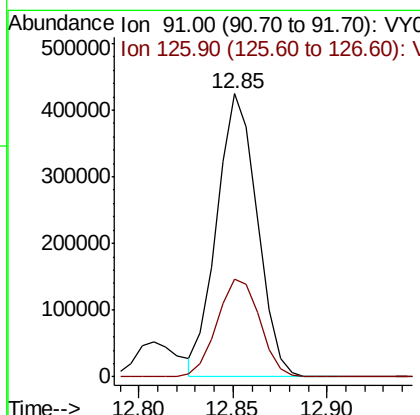
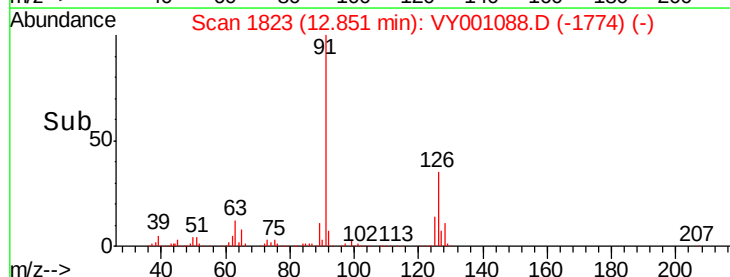
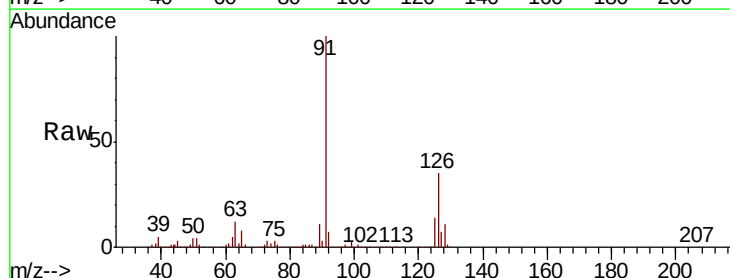
Manual Integrations
APPROVED

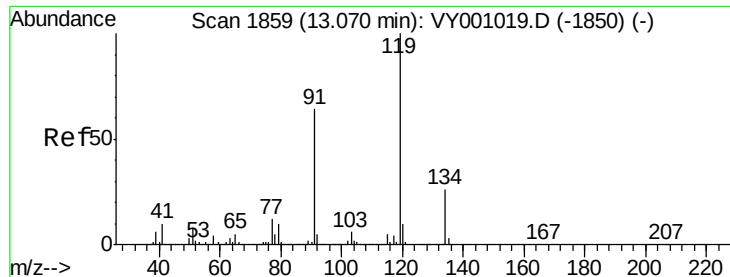
apatel
12/30/2019 3:33:06 PM



#82
4-Chlorotoluene
Concen: 56.125 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	17.6	52.8





#83

tert-Butylbenzene

Concen: 60.453 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

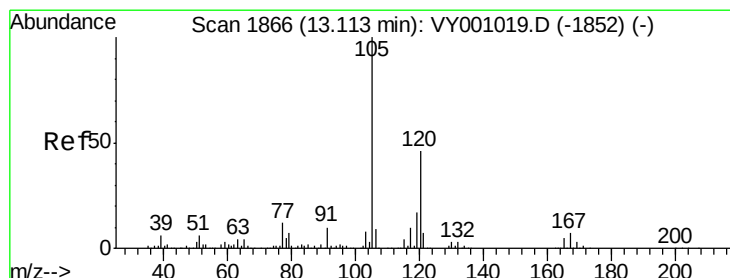
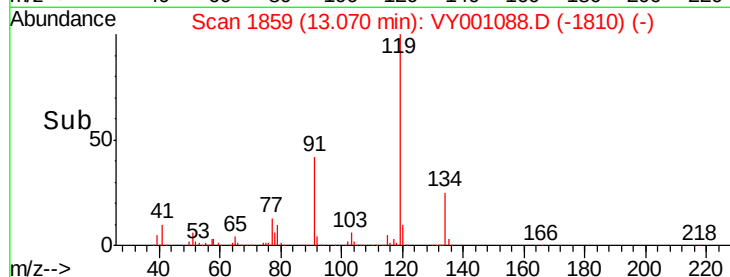
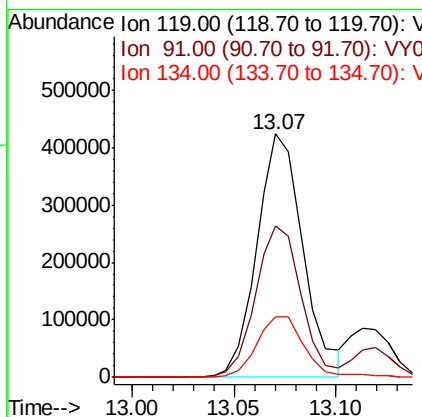
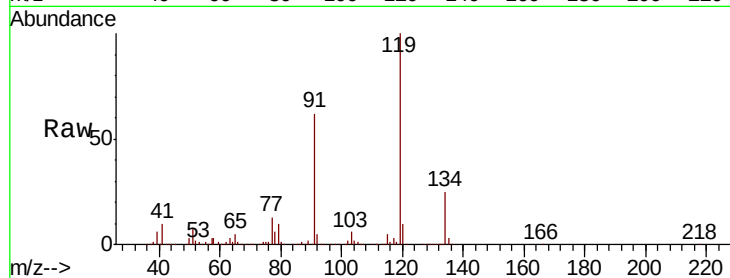
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	668035
Ion Ratio	Lower	Upper	
119	100		
91	61.6	31.9	95.7
134	26.0	13.6	40.7

Manual Integrations
APPROVED

apatel
12/30/2019 3:33:06 PM



#84

1,2,4-Trimethylbenzene

Concen: 58.048 ug/l

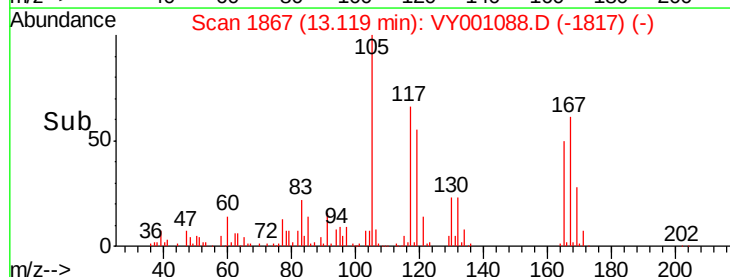
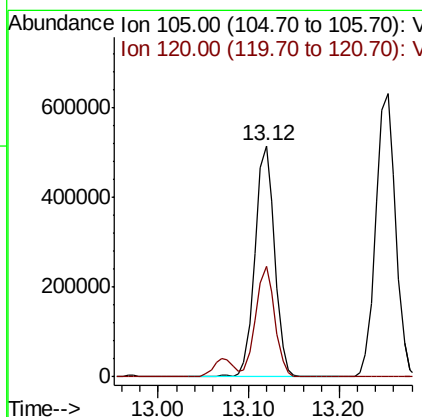
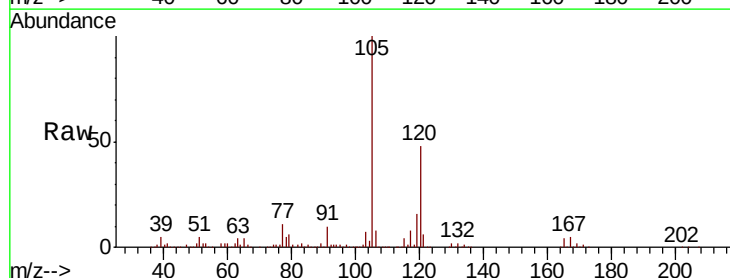
RT: 13.12 min Scan# 1867

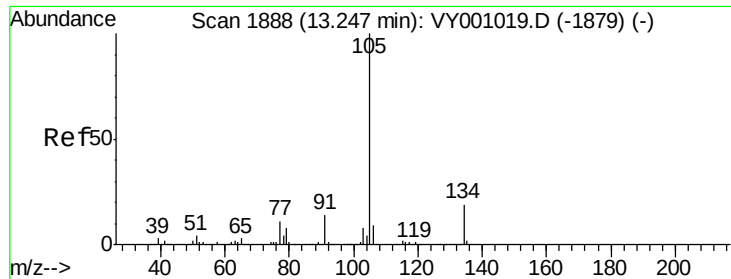
Delta R.T. 0.01 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Tgt Ion:	105	Resp:	767885
Ion Ratio	Lower	Upper	
105	100		
120	46.7	23.4	70.2





#85

sec-Butylbenzene

Concen: 58.472 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 952573

Ion Ratio Lower Upper

105 100

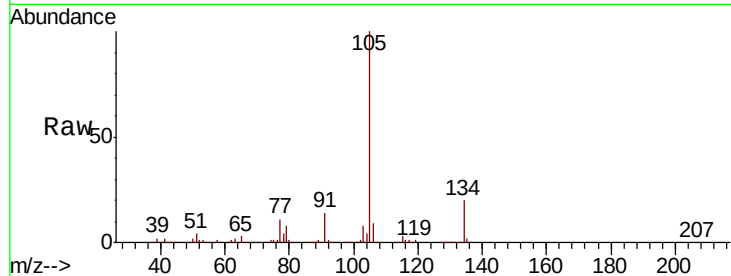
134 20.2 10.0 30.0

Manual Integrations

APPROVED

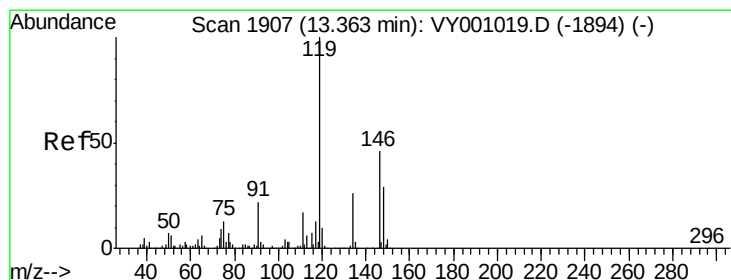
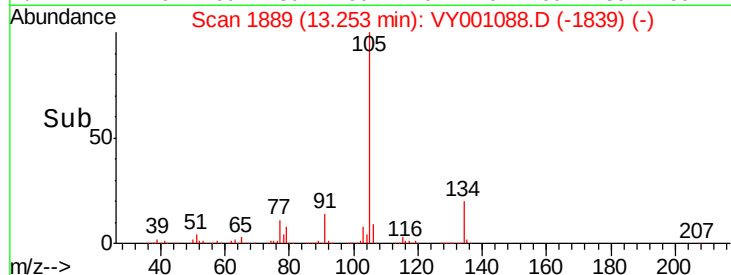
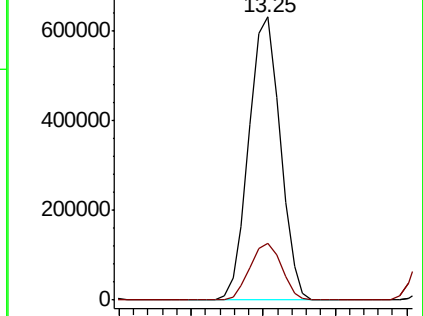
apatel

12/30/2019 3:33:06 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 59.243 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

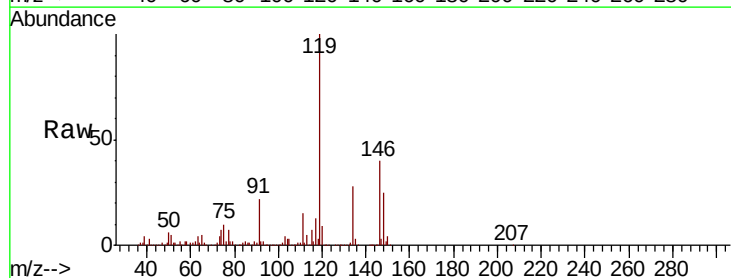
Tgt Ion:119 Resp: 835120

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.7

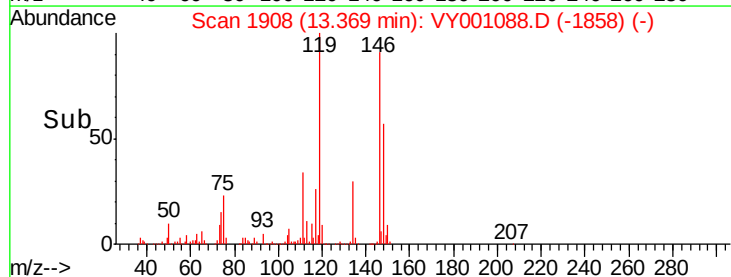
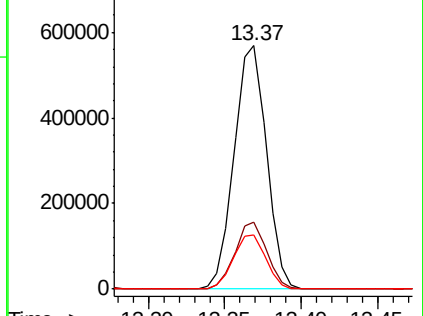
91 22.3 11.4 34.1

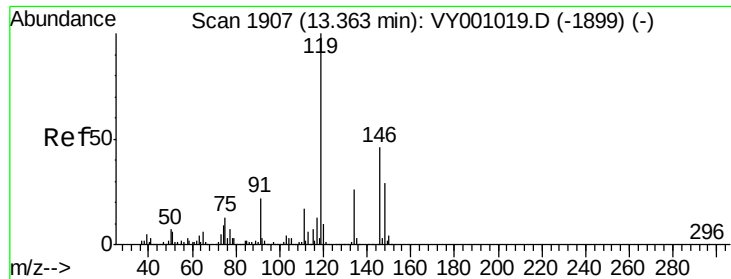


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 58.084 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

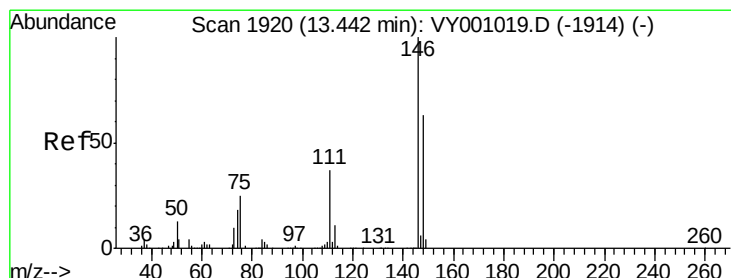
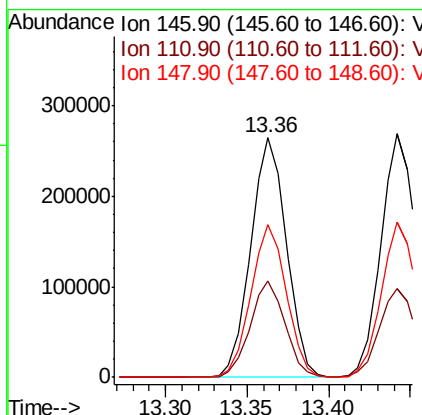
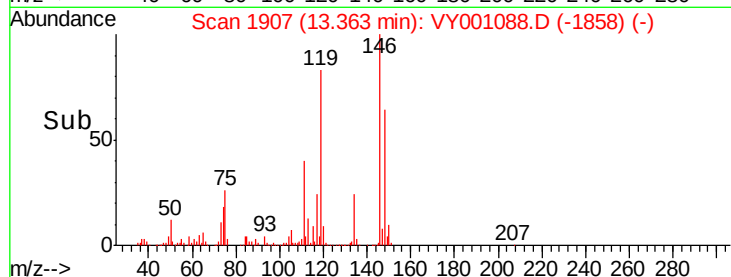
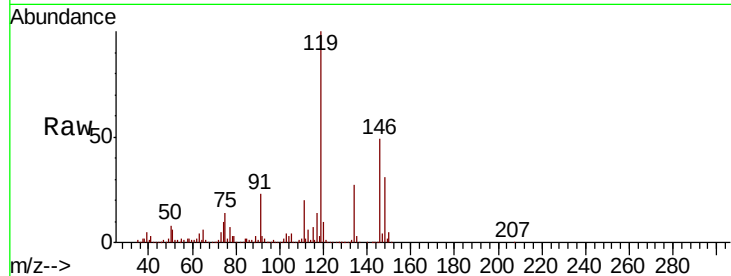
Instrument :
MSVOA_Y

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	402930		
111	39.1	19.7	59.0	
148	63.2	31.9	95.5	

Manual Integrations
APPROVED

apatel
12/30/2019 3:33:06 PM



#88

1,4-Dichlorobenzene

Concen: 57.794 ug/l

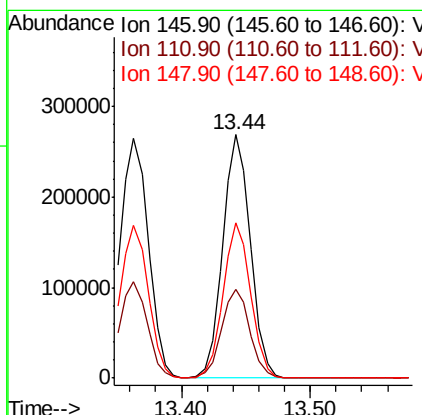
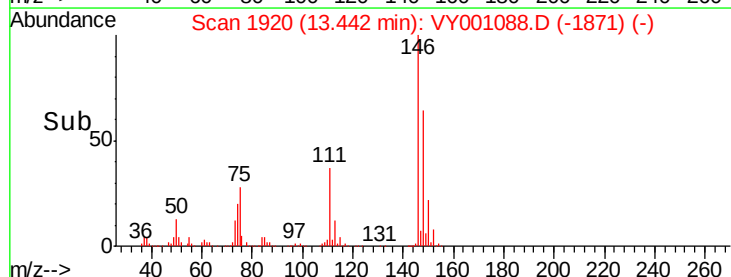
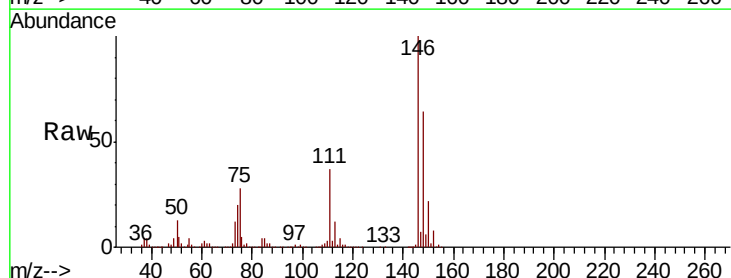
RT: 13.44 min Scan# 1920

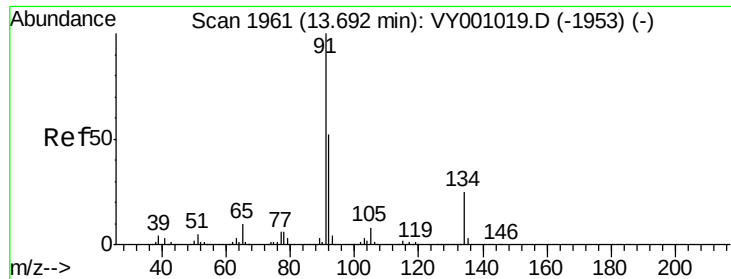
Delta R.T. 0.00 min

Lab File: VY001088.D

Acq: 27 Dec 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	404438		
111	37.5	19.4	58.2	
148	63.6	31.8	95.3	





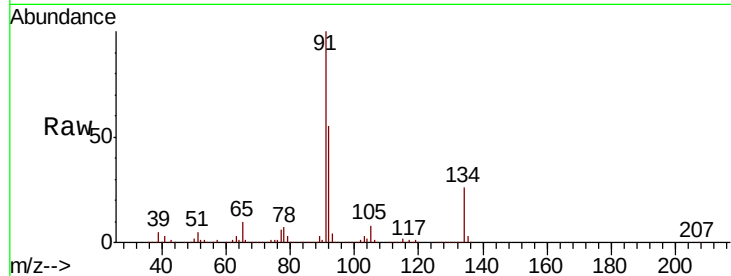
#89
n-Butylbenzene
Concen: 58.072 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.9	80.7
134	26.5	12.7	38.0

Manual Integrations
APPROVED

apatel
12/30/2019 3:33:06 PM

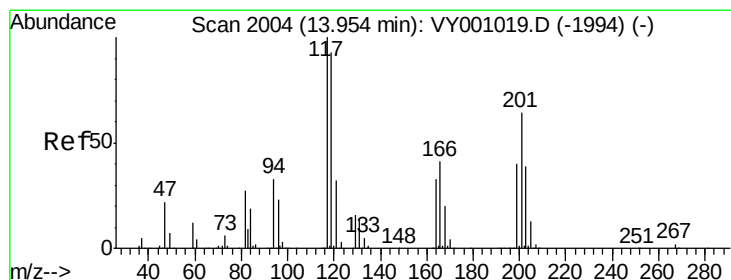
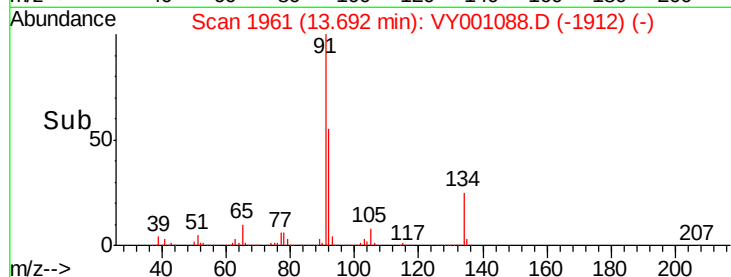
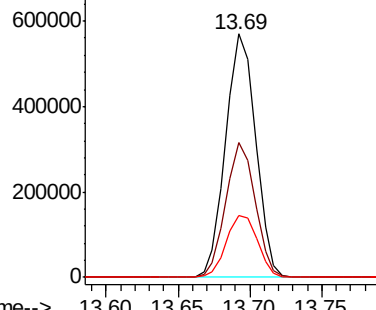


Abundance

Ion 91.00 (90.70 to 91.70): VY001019.D (-1953) (-)

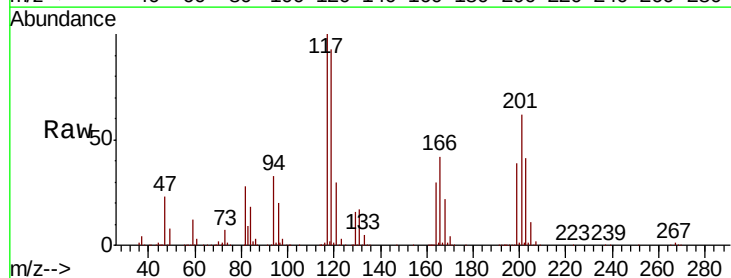
Ion 92.00 (91.70 to 92.70): VY001019.D (-1953) (-)

Ion 134.00 (133.70 to 134.70): VY001019.D (-1953) (-)



#90
Hexachloroethane
Concen: 60.232 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

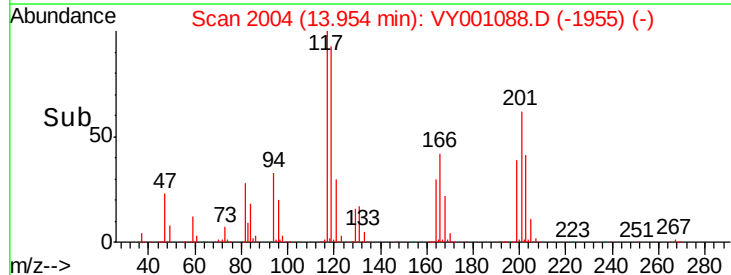
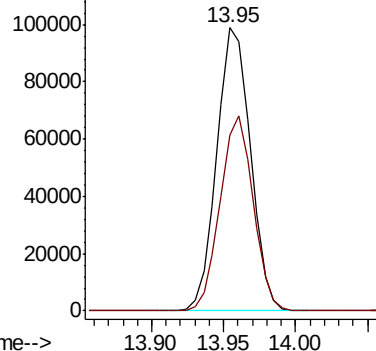
Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.6	33.7	101.1

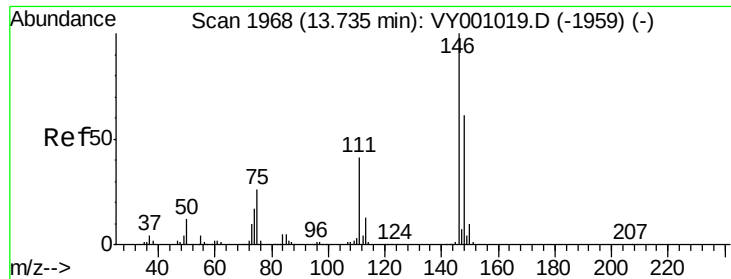


Abundance

Ion 116.80 (116.50 to 117.50): VY001019.D (-1994) (-)

Ion 200.70 (200.40 to 201.40): VY001019.D (-1994) (-)





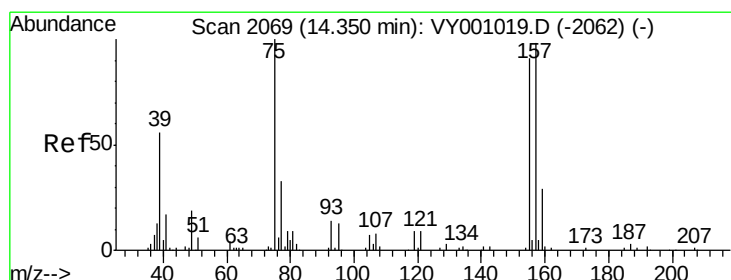
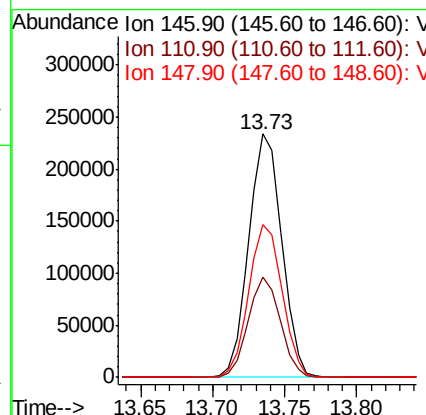
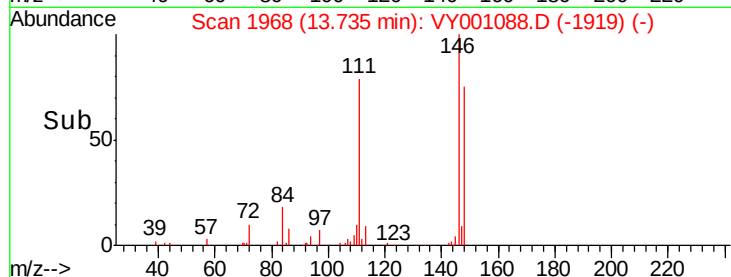
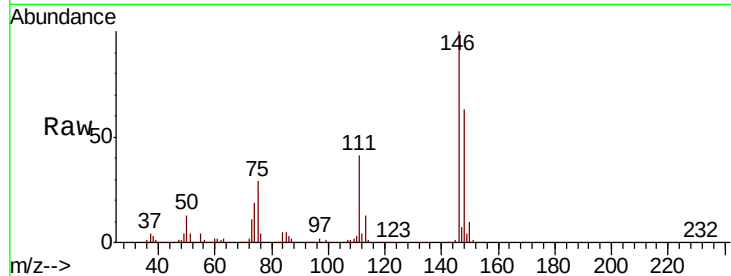
#91
 1,2-Dichlorobenzene
 Concen: 57.793 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.6	61.9
148	63.6	31.6	94.7

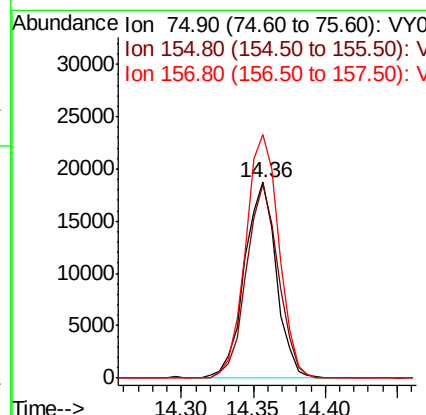
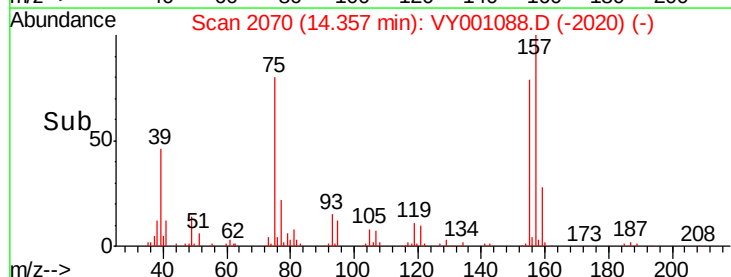
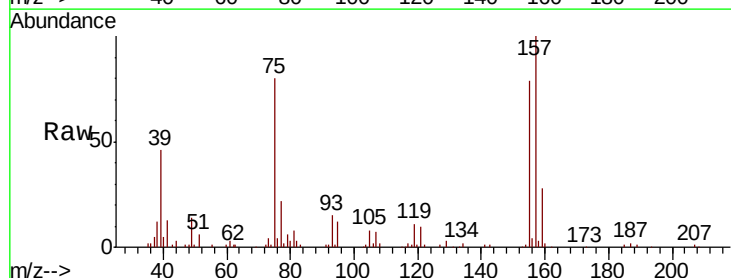
Manual Integrations
 APPROVED

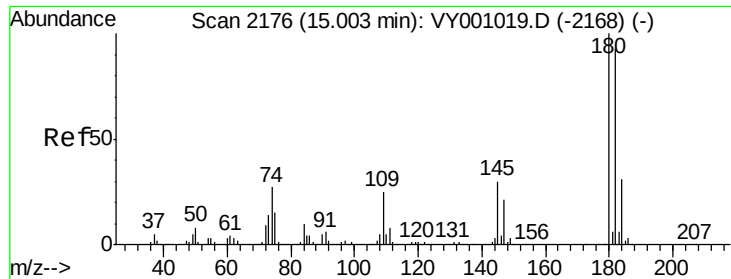
apatel
 12/30/2019 3:33:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.197 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	46.3	138.9
157	129.2	58.1	174.4





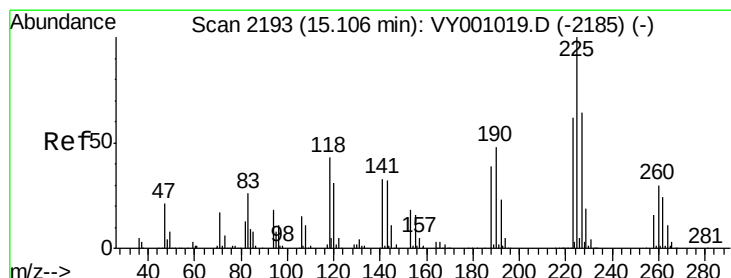
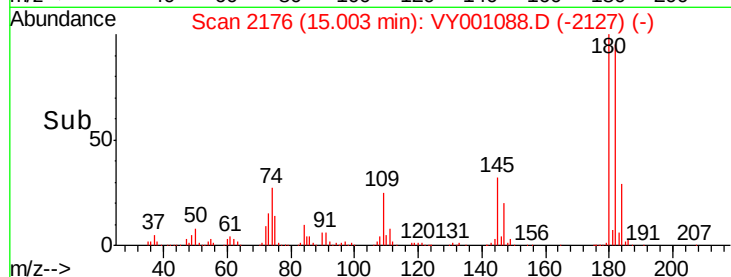
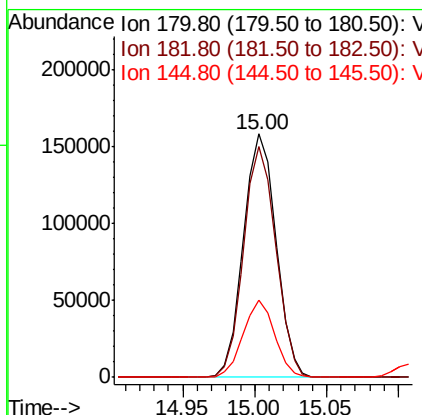
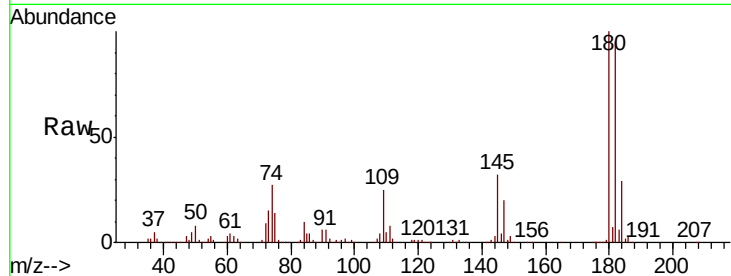
#93
 1,2,4-Trichlorobenzene
 Concen: 57.419 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	248005		
182	93.8	46.8	140.3	
145	30.7	15.3	45.9	

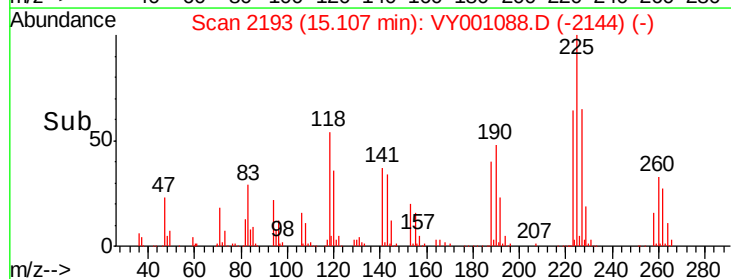
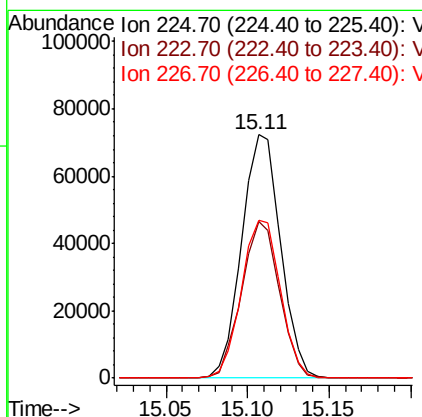
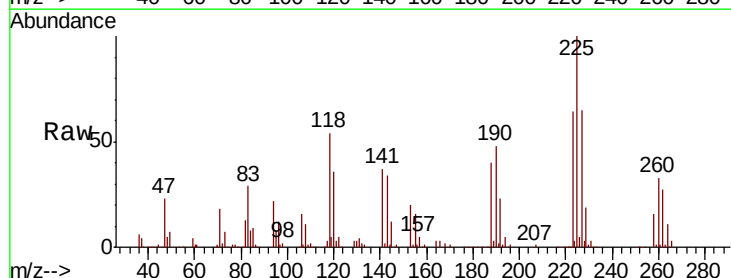
Manual Integrations
 APPROVED

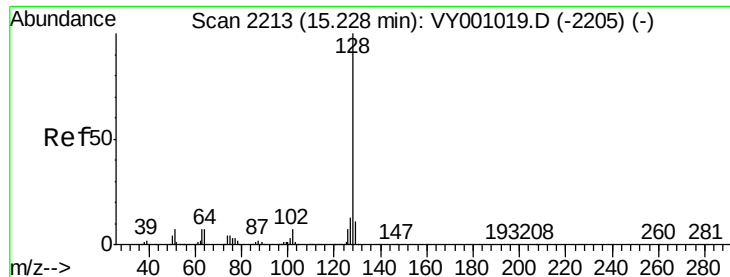
apatel
 12/30/2019 3:33:06 PM



#94
 Hexachlorobutadiene
 Concen: 58.364 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001088.D
 Acq: 27 Dec 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	119960		
223	63.3	31.6	94.8	
227	65.0	31.9	95.5	





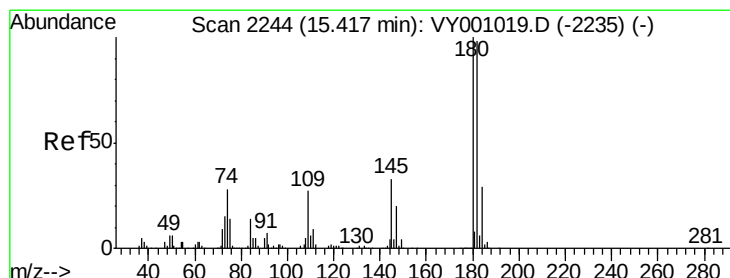
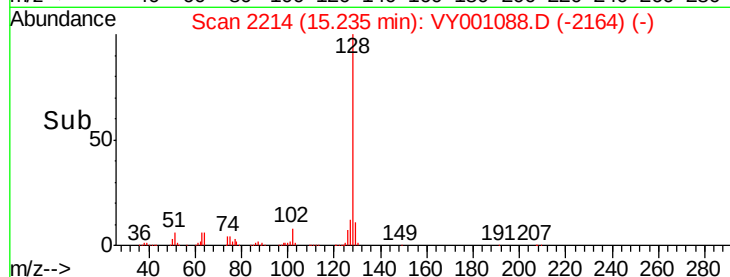
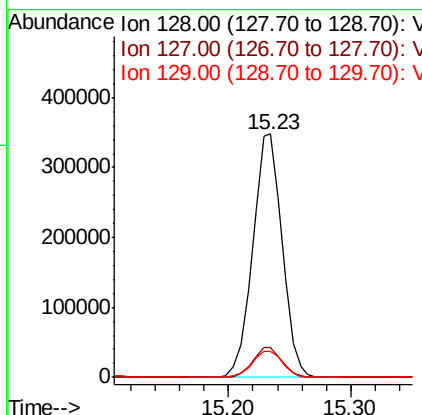
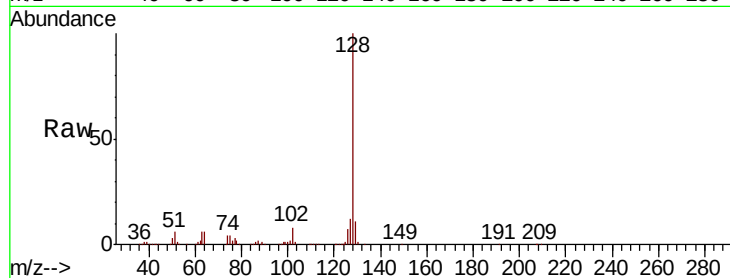
#95
Naphthalene
Concen: 57.152 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.3	9.9	14.9
129	10.9	8.6	13.0

Manual Integrations
APPROVED

apatel
12/30/2019 3:33:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 56.246 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001088.D
Acq: 27 Dec 2019 11:09

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	96.9	47.9	143.8
145	33.6	16.3	48.9

