

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010220\
 Data File : VY001131.D
 Acq On : 02 Jan 2020 11:46
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 1/3/2020 11:12:14 AM

Quant Time: Jan 02 13:08:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y010220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 02 12:11:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	369216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	599295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	521114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	247767	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	152952	42.90	ug/l	0.00
Spiked Amount			Recovery	=	85.80%	
35) Dibromofluoromethane	7.73	113	169861	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
50) Toluene-d8	10.18	98	625532	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
62) 4-Bromofluorobenzene	12.48	95	226231	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	150737	46.856	ug/l	100
3) Chloromethane	2.12	50	88619	22.132	ug/l	100
4) Vinyl Chloride	2.26	62	94237	24.086	ug/l	100
5) Bromomethane	2.65	94	69892	28.691	ug/l	100
6) Chloroethane	2.80	64	59583	24.517	ug/l	100
7) Trichlorofluoromethane	3.13	101	238548	39.214	ug/l	100
8) Diethyl Ether	3.54	74	76541	31.784	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	154870	38.907	ug/l	100
10) Methyl Iodide	4.10	142	272305	48.087	ug/l	100
11) Tert butyl alcohol	4.97	59	75402	193.186	ug/l	100
12) 1,1-Dichloroethene	3.88	96	160899	39.790	ug/l	100
13) Acrolein	3.74	56	57143	127.351	ug/l	100
14) Allyl chloride	4.49	41	221155	35.788	ug/l	100
15) Acrylonitrile	5.19	53	231913	189.200	ug/l	100
16) Acetone	3.96	43	111090	140.441	ug/l	100
17) Carbon Disulfide	4.21	76	555903	41.864	ug/l	100
18) Methyl Acetate	4.49	43	99695	32.420	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	463639	43.897	ug/l	100
20) Methylene Chloride	4.73	84	214021	43.422	ug/l	100
21) trans-1,2-Dichloroethene	5.23	96	216180	47.027	ug/l	100
22) Diisopropyl ether	6.13	45	436172	35.065	ug/l	100
23) Vinyl Acetate	6.08	43	1367523	174.600	ug/l	100
24) 1,1-Dichloroethane	6.03	63	300331	40.049	ug/l	100
25) 2-Butanone	7.00	43	230323	164.436	ug/l	100
26) 2,2-Dichloropropane	6.99	77	285235	45.280	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	234488	46.533	ug/l	100
28) Bromochloromethane	7.35	49	108387	37.968	ug/l	100
29) Tetrahydrofuran	7.36	42	154306	155.697	ug/l	100
30) Chloroform	7.52	83	316576	43.955	ug/l	100
31) Cyclohexane	7.79	56	293610	37.270	ug/l	100
32) 1,1,1-Trichloroethane	7.72	97	302388	48.317	ug/l	100
36) 1,1-Dichloropropene	7.93	75	265543	46.447	ug/l	100
37) Ethyl Acetate	7.08	43	109586	36.004	ug/l	100
38) Carbon Tetrachloride	7.91	117	277914	53.945	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010220\
 Data File : VY001131.D
 Acq On : 02 Jan 2020 11:46
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 1/3/2020 11:12:14 AM

Quant Time: Jan 02 13:08:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y010220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 02 12:11:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	366869	48.094	ug/l	100
40) Benzene	8.17	78	812739	47.048	ug/l	100
41) Methacrylonitrile	7.33	41	41408m	32.489	ug/l	
42) 1,2-Dichloroethane	8.25	62	191060	46.560	ug/l	100
43) Isopropyl Acetate	8.28	43	205781	36.571	ug/l	100
44) Trichloroethene	8.95	130	241949	52.096	ug/l	100
45) 1,2-Dichloropropane	9.22	63	177489	41.849	ug/l	100
46) Dibromomethane	9.31	93	102021	46.103	ug/l	100
47) Bromodichloromethane	9.50	83	230444	45.118	ug/l	100
48) Methyl methacrylate	9.30	41	85759	35.969	ug/l	100
49) 1,4-Dioxane	9.30	88	29355	908.408	ug/l	100
51) 4-Methyl-2-Pentanone	10.07	43	465489	161.297	ug/l	100
52) Toluene	10.24	92	483015	45.770	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	245169	44.379	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	273595	41.511	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	157374	47.230	ug/l	100
56) Ethyl methacrylate	10.51	69	201914	43.471	ug/l	100
57) 1,3-Dichloropropane	10.79	76	255701	44.306	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	308493	173.434	ug/l	100
59) 2-Hexanone	10.83	43	363677	179.764	ug/l	100
60) Dibromochloromethane	10.99	129	187786	52.023	ug/l	100
61) 1,2-Dibromoethane	11.09	107	157444	49.216	ug/l	100
64) Tetrachloroethene	10.72	164	251298	53.988	ug/l	100
65) Chlorobenzene	11.52	112	556819	50.619	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	197603	54.046	ug/l	100
67) Ethyl Benzene	11.59	91	985653	50.106	ug/l	100
68) m/p-Xylenes	11.70	106	764246	101.862	ug/l	100
69) o-Xylene	12.03	106	361142	51.172	ug/l	100
70) Styrene	12.04	104	623015	51.905	ug/l	100
71) Bromoform	12.20	173	111747	54.950	ug/l	# 100
73) Isopropylbenzene	12.33	105	946807	48.936	ug/l	100
74) N-amyl acetate	12.14	43	179597	37.157	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	160710	43.169	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	142439m	46.808	ug/l	
77) Bromobenzene	12.61	156	220846	50.375	ug/l	100
78) n-propylbenzene	12.67	91	1117543	47.570	ug/l	100
79) 2-Chlorotoluene	12.75	91	608283	46.993	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	788571	49.630	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	63228	44.739	ug/l	100
82) 4-Chlorotoluene	12.85	91	620971	46.360	ug/l	100
83) tert-Butylbenzene	13.07	119	682906	50.804	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	775335	48.712	ug/l	100
85) sec-Butylbenzene	13.25	105	959752	48.851	ug/l	100
86) p-Isopropyltoluene	13.37	119	854706	50.156	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	413046	49.327	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	417018	49.333	ug/l	100
89) n-Butylbenzene	13.69	91	795597	46.976	ug/l	100
90) Hexachloroethane	13.96	117	158092	49.566	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	380447	49.301	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26026	41.976	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010220\
Data File : VY001131.D
Acq On : 02 Jan 2020 11:46
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

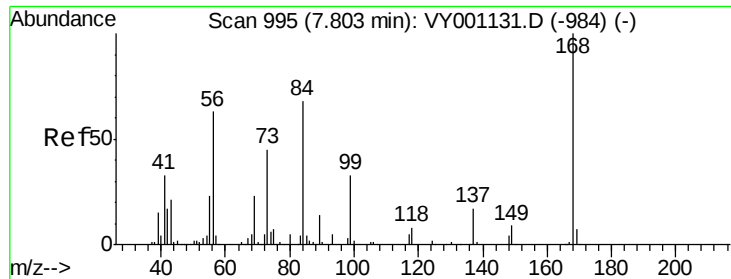
Manual Integrations
APPROVED

apatel
1/3/2020 11:12:14 AM

Quant Time: Jan 02 13:08:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y010220S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 02 12:11:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	258878	49.617	ug/l	100
94) Hexachlorobutadiene	15.11	225	133069	52.936	ug/l	100
95) Naphthalene	15.23	128	574414	47.301	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	231737	49.806	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 369216

Ion Ratio Lower Upper

168 100

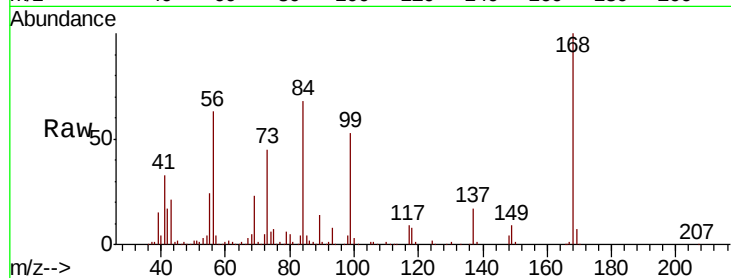
99 53.1 42.5 63.7

Manual Integrations

APPROVED

apatel

1/3/2020 11:12:14 AM



Abundance Ion 167.90 (167.60 to 168.60): VY001131.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY001131.D (-984) (-)

7.80

150000

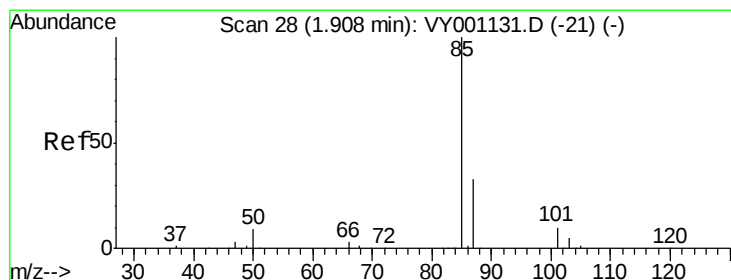
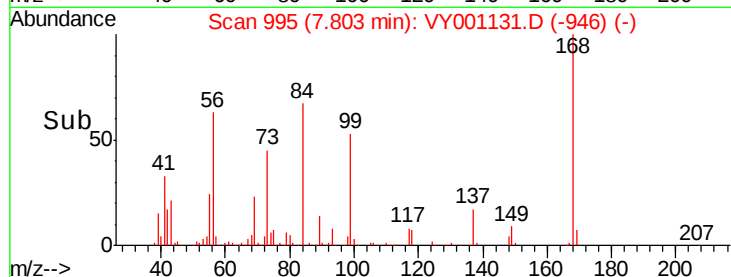
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 46.856 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY001131.D

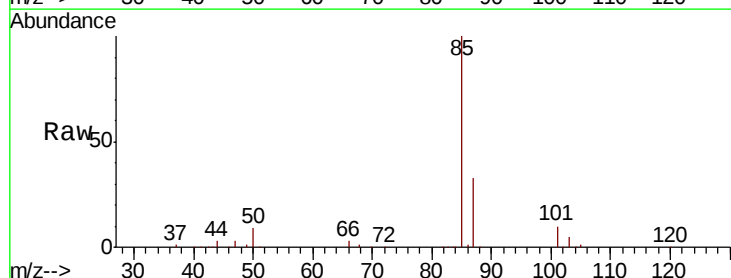
Acq: 02 Jan 2020 11:46

Tgt Ion: 85 Resp: 150737

Ion Ratio Lower Upper

85 100

87 33.1 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VY001131.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY001131.D (-21) (-)

1.91

100000

80000

60000

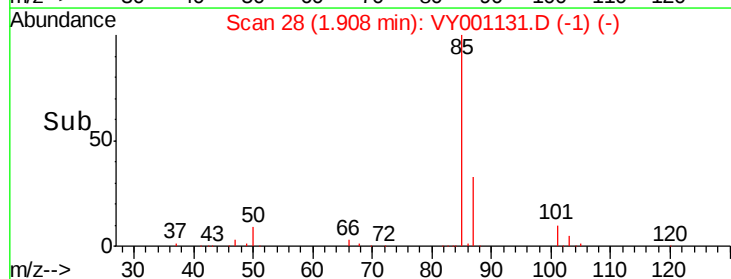
40000

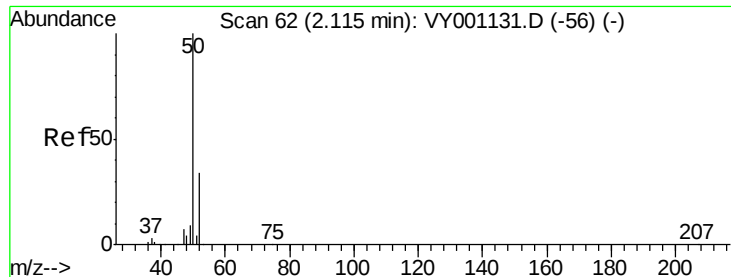
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 22.132 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 88619

Ion Ratio Lower Upper

50 100

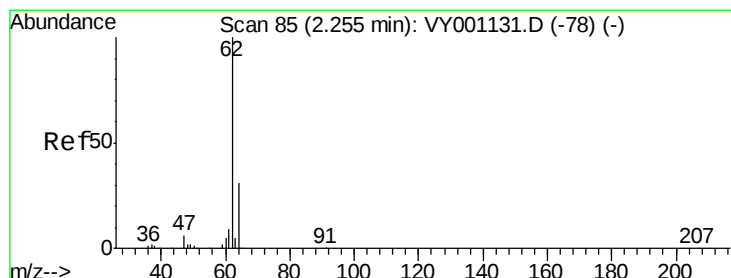
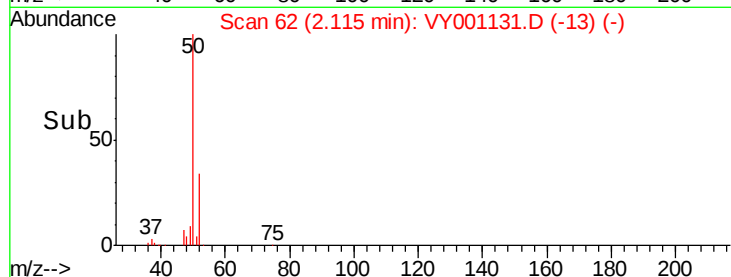
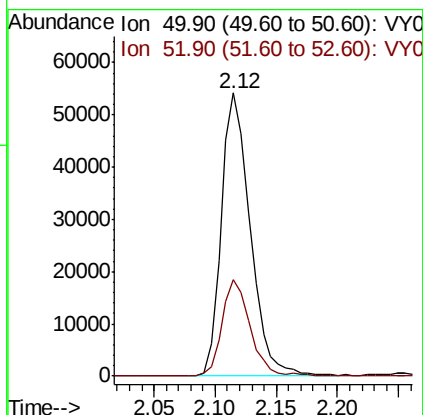
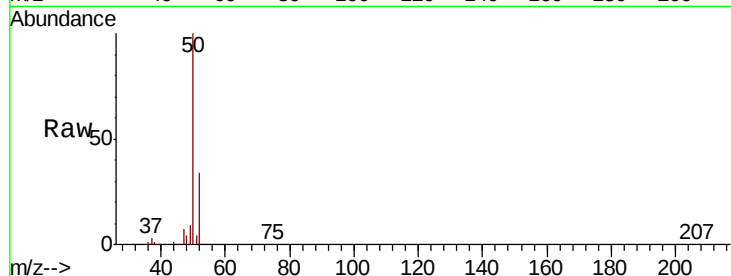
52 34.1 27.3 40.9

Manual Integrations

APPROVED

apatel

1/3/2020 11:12:14 AM



#4

Vinyl Chloride

Concen: 24.086 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY001131.D

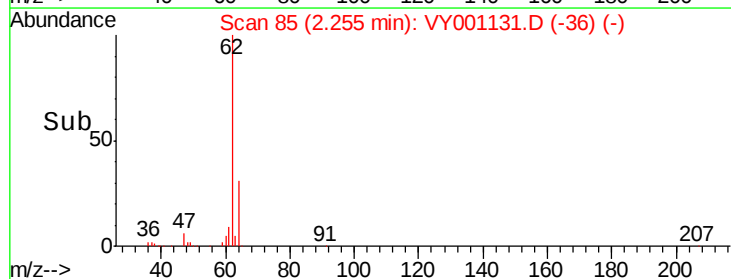
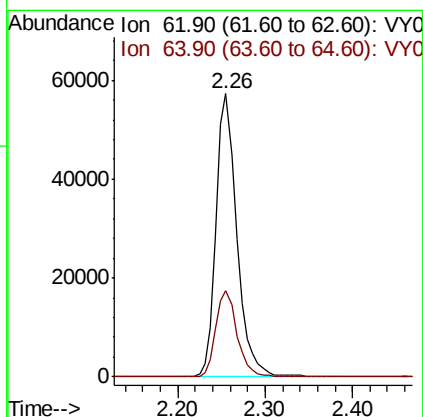
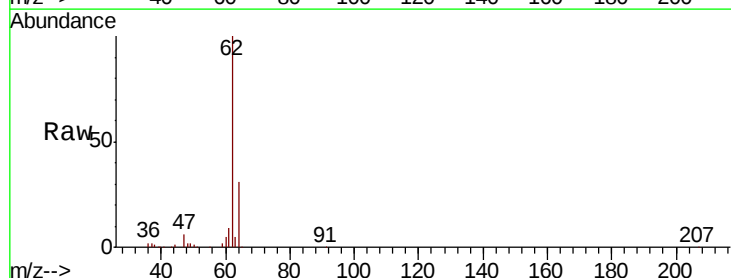
Acq: 02 Jan 2020 11:46

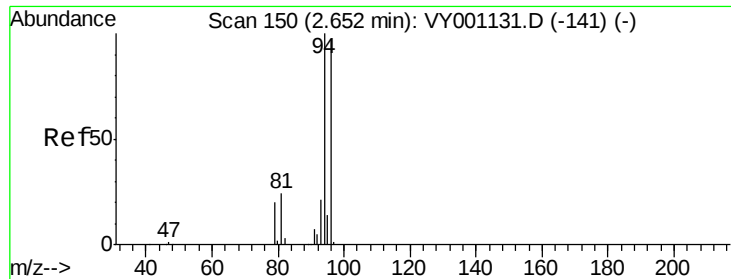
Tgt Ion: 62 Resp: 94237

Ion Ratio Lower Upper

62 100

64 30.5 24.4 36.6





#5

Bromomethane

Concen: 28.691 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 69892

Ion Ratio Lower Upper

94 100

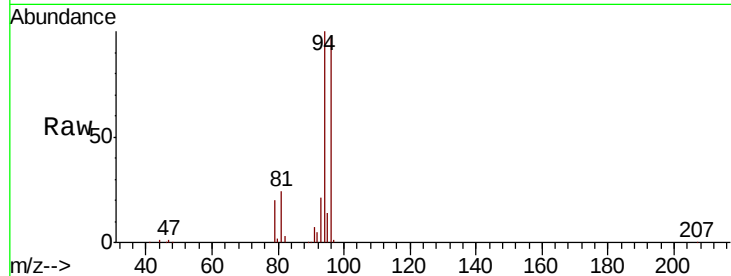
96 96.6 77.3 115.9

Manual Integrations

APPROVED

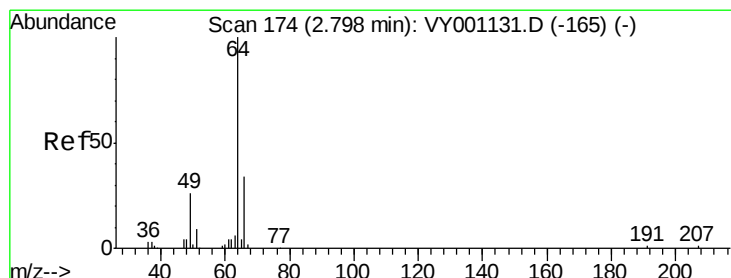
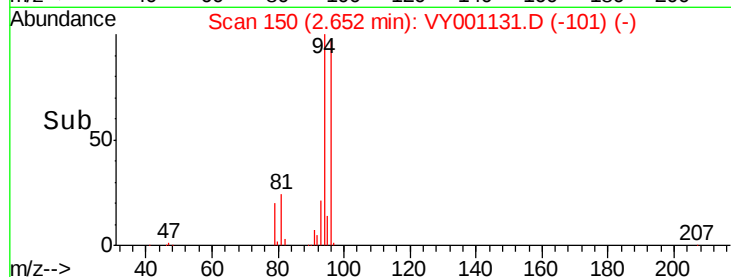
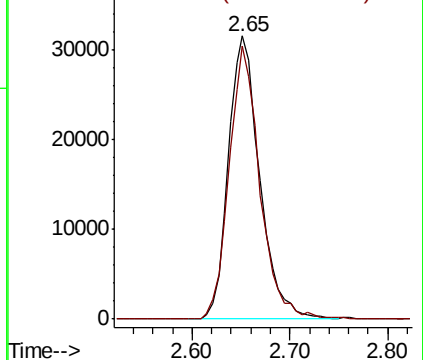
apatel

1/3/2020 11:12:14 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 24.517 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY001131.D

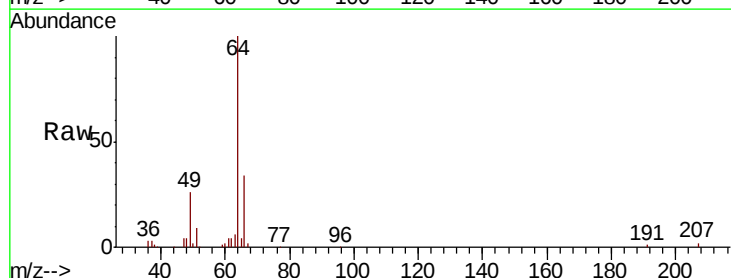
Acq: 02 Jan 2020 11:46

Tgt Ion: 64 Resp: 59583

Ion Ratio Lower Upper

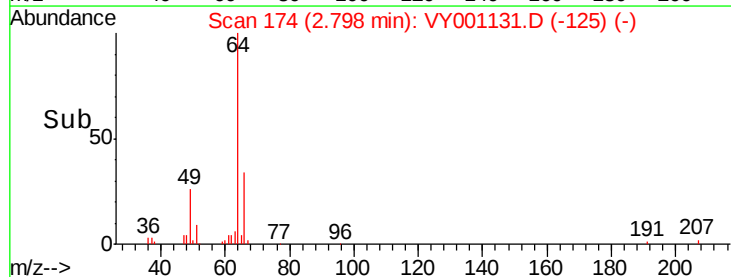
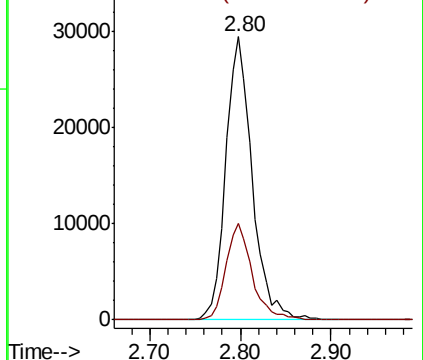
64 100

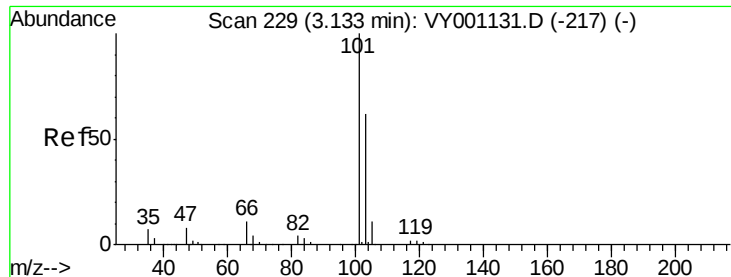
66 34.2 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

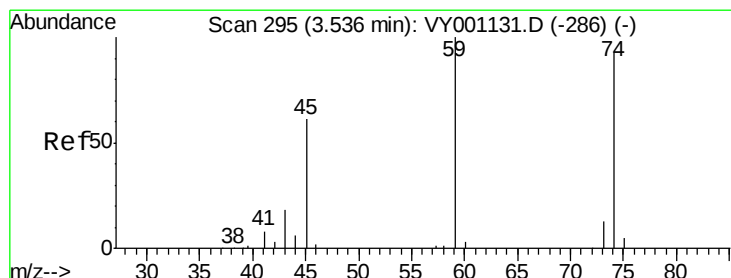
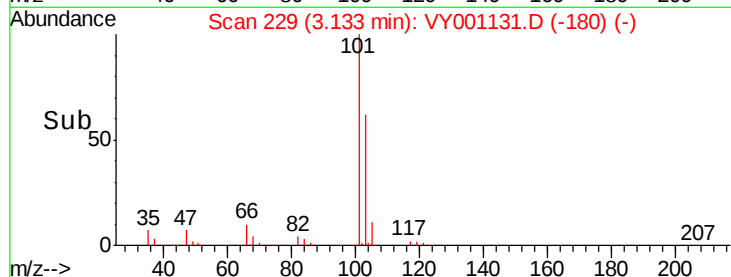
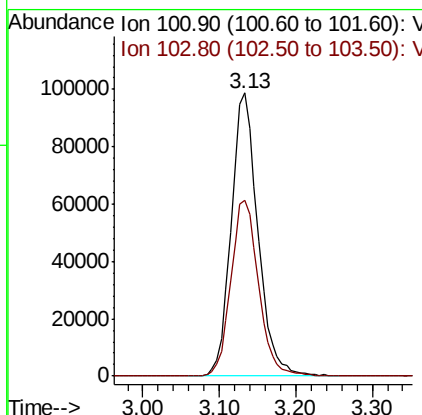
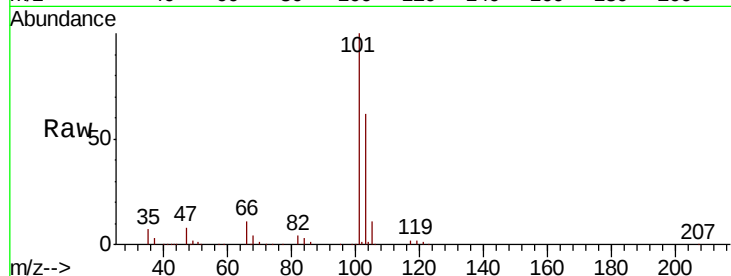
Trichlorofluoromethane
 Concen: 39.214 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	49.7	74.5

Manual Integrations
 APPROVED

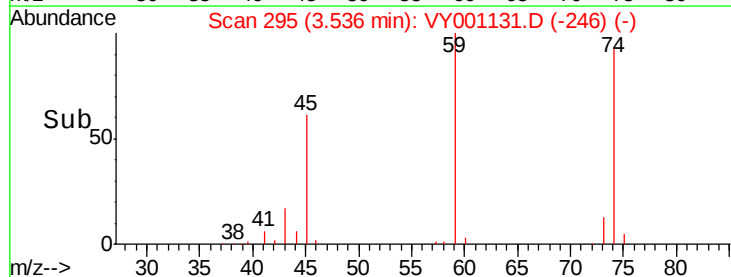
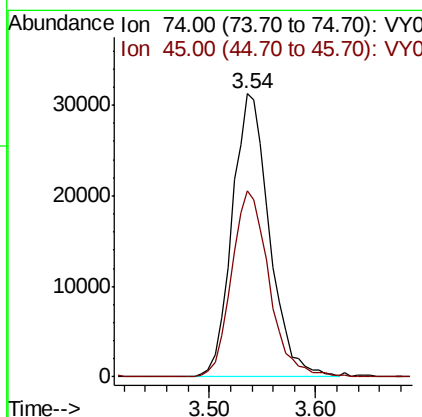
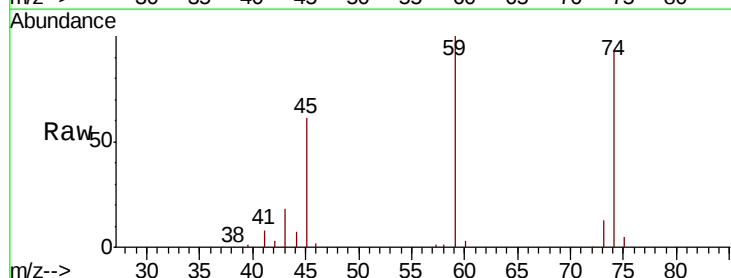
apatel
 1/3/2020 11:12:14 AM

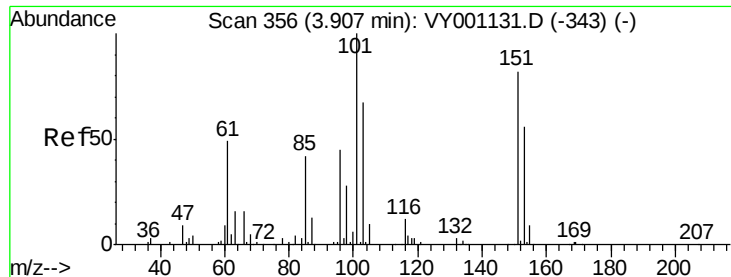


#8

Diethyl Ether
 Concen: 31.784 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	66.4	33.2	99.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 38.907 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Instrument :

MSVOA_Y

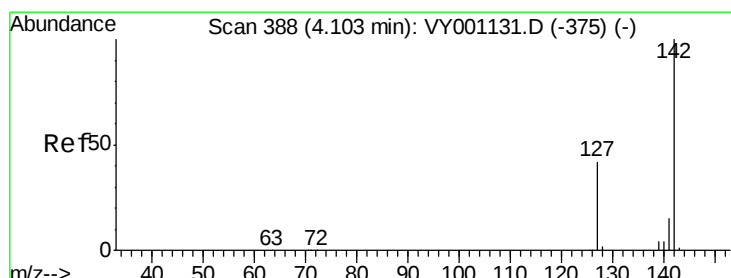
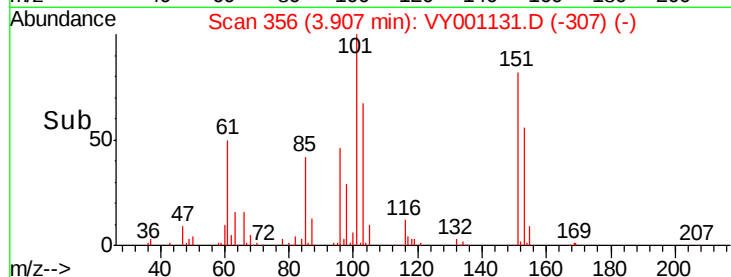
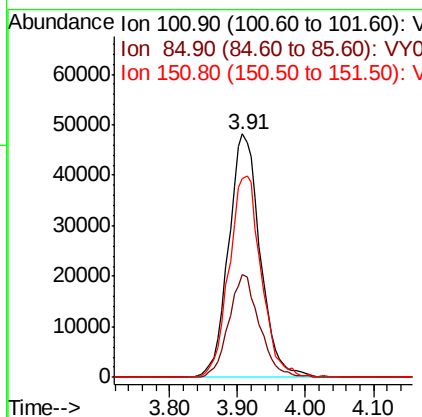
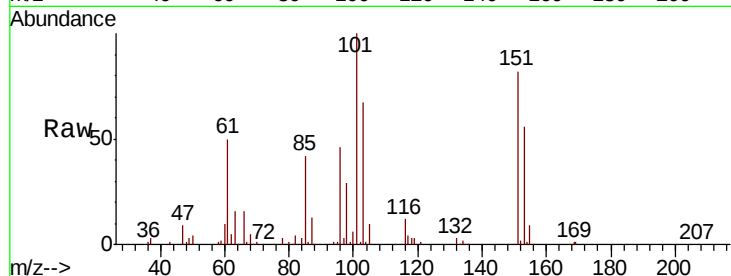
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	154870
Ion Ratio	Lower	Upper	
101	100		
85	41.0	32.8	49.2
151	84.2	67.4	101.0

Manual Integrations
APPROVED

apatel
1/3/2020 11:12:14 AM



#10

Methyl Iodide

Concen: 48.087 ug/l

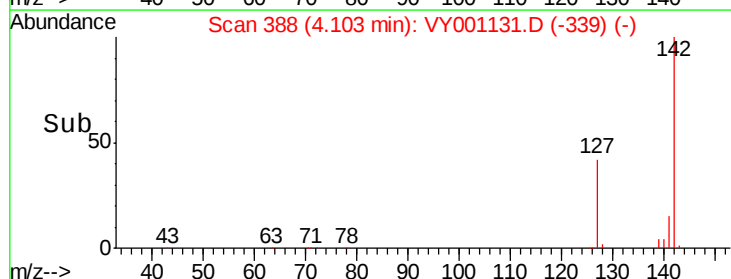
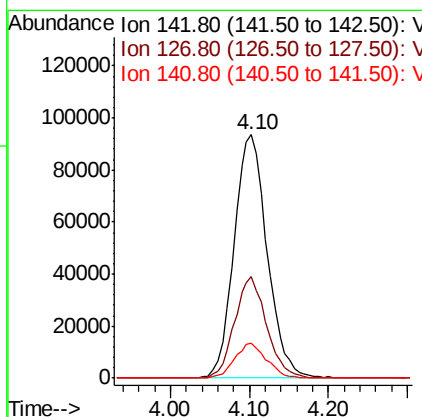
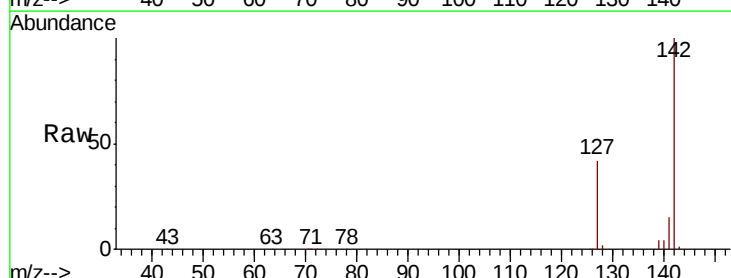
RT: 4.10 min Scan# 388

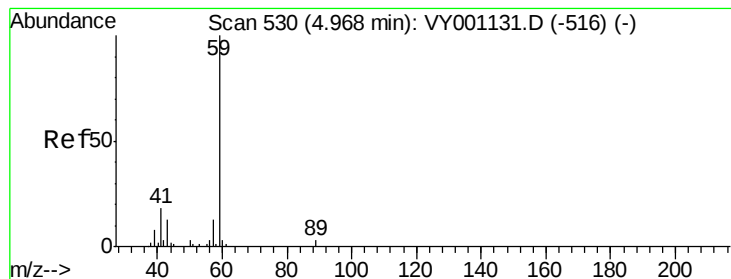
Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Tgt Ion:	142	Resp:	272305
Ion Ratio	Lower	Upper	
142	100		
127	40.3	32.2	48.4
141	13.9	11.1	16.7





#11

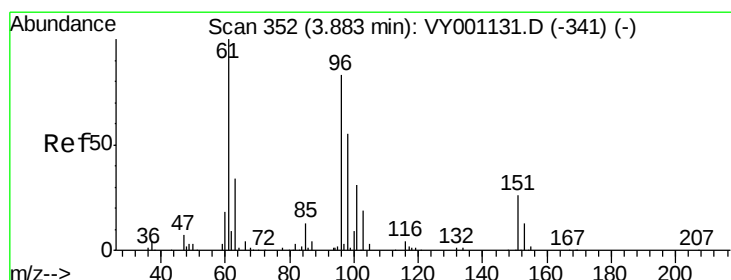
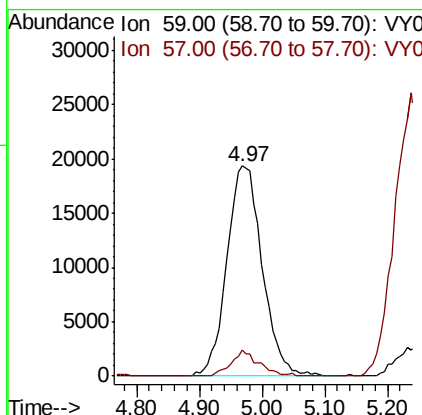
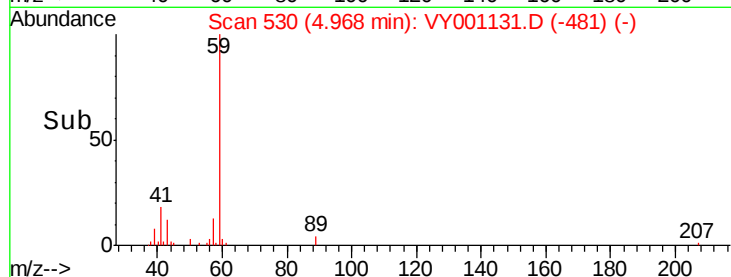
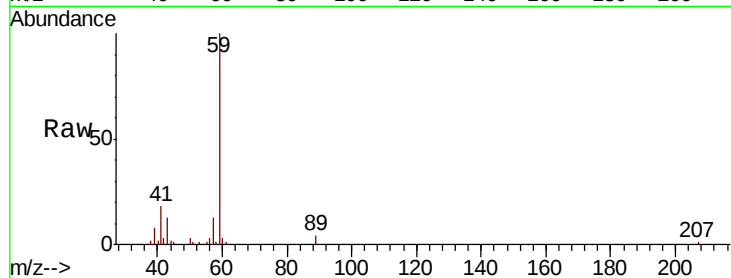
Tert butyl alcohol
Concen: 193.186 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	75402
Ion Ratio	100	Lower	Upper
57	9.7	7.8	11.6

Manual Integrations
APPROVED

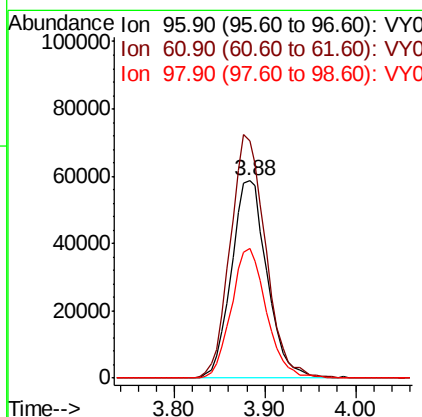
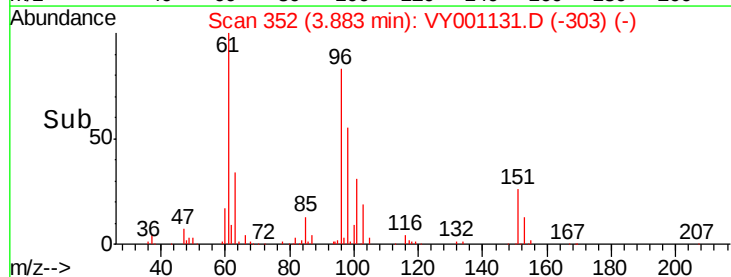
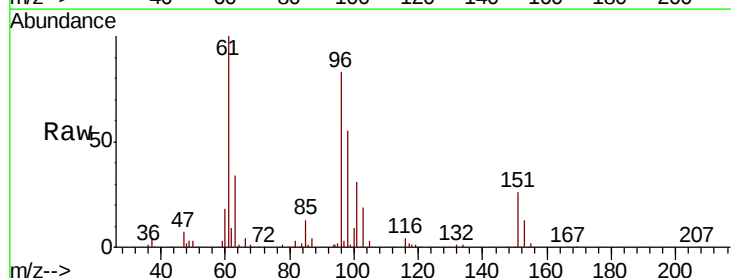
apatel
1/3/2020 11:12:14 AM

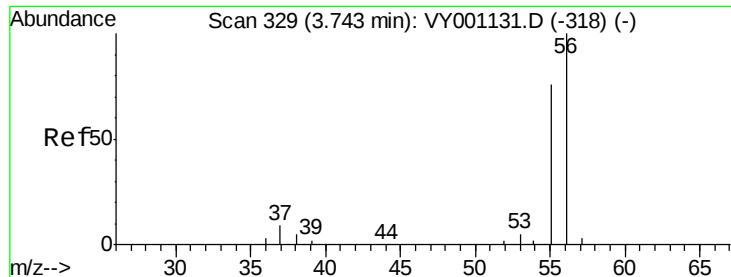


#12

1,1-Dichloroethene
Concen: 39.790 ug/l
RT: 3.88 min Scan# 352
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion	96	Resp	160899
Ion Ratio	100	Lower	Upper
61	120.3	96.2	144.4
98	66.0	52.8	79.2





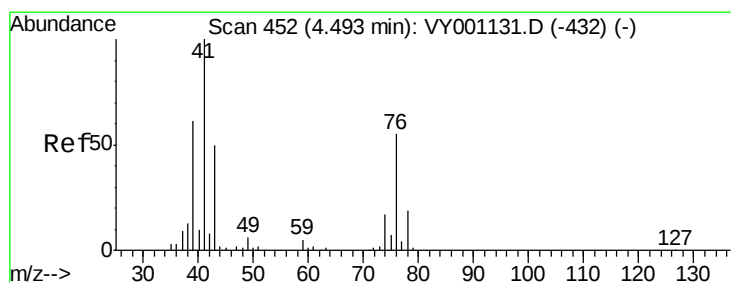
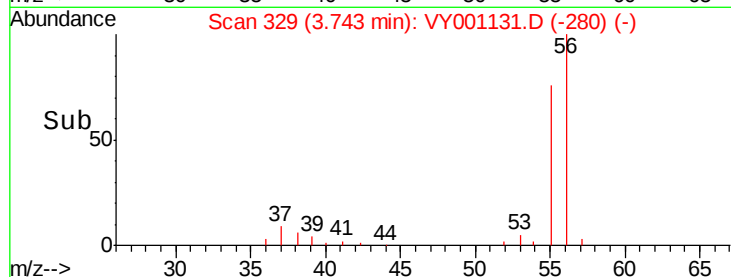
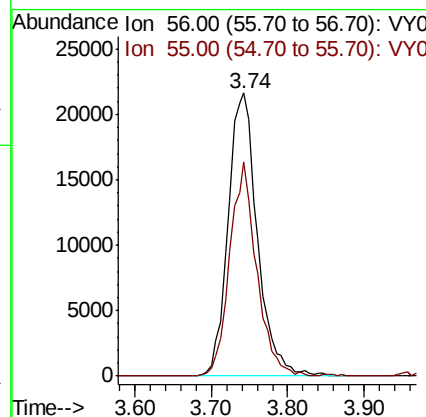
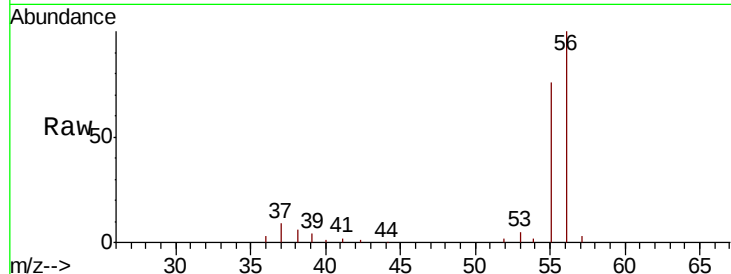
#13
Acrolein
Concen: 127.351 ug/l
RT: 3.74 min Scan# 329
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	57143
Ion Ratio	100	Lower	Upper
55	69.6	55.7	83.5

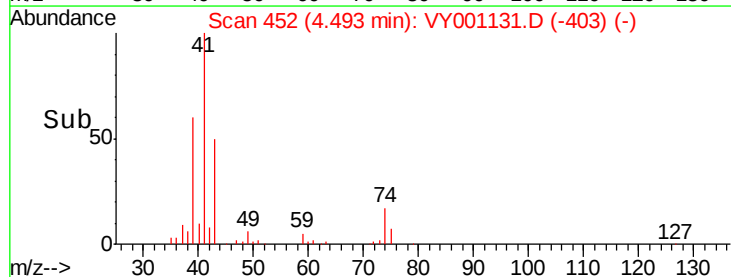
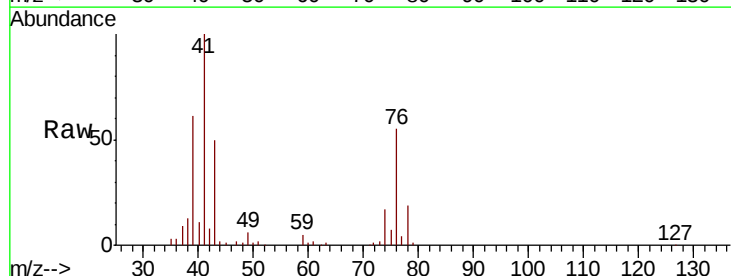
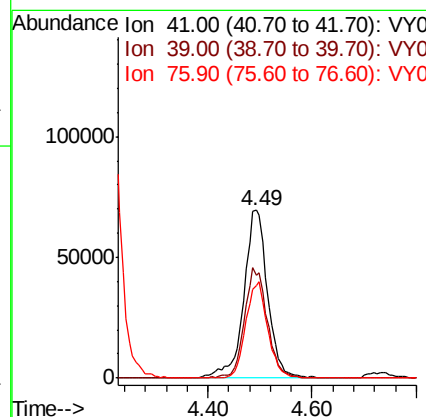
Manual Integrations
APPROVED

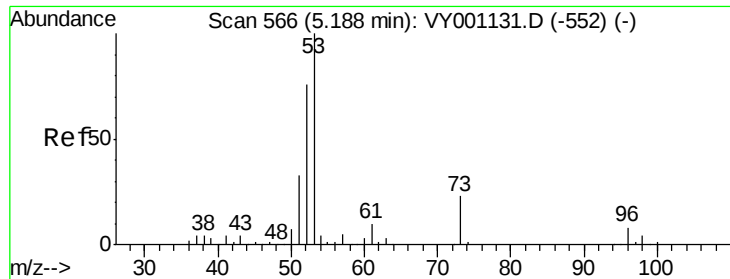
apatel
1/3/2020 11:12:14 AM



#14
Allyl chloride
Concen: 35.788 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion	41	Resp	221155
Ion Ratio	100	Lower	Upper
39	62.6	50.1	75.1
76	52.6	42.1	63.1





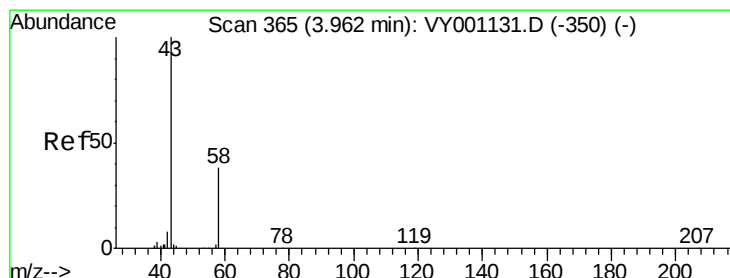
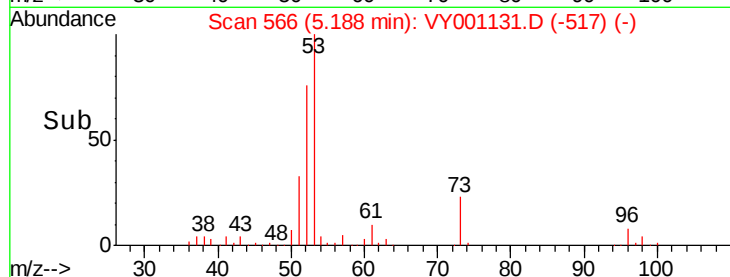
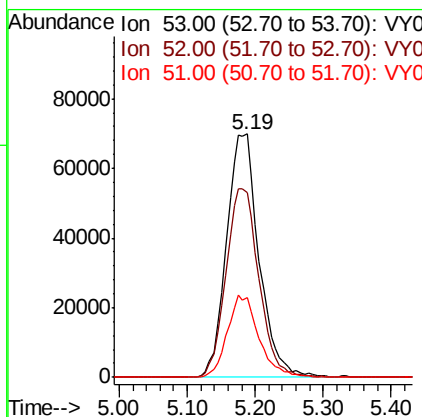
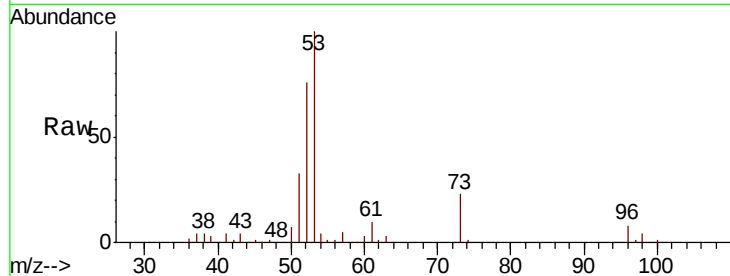
#15
 Acrylonitrile
 Concen: 189.200 ug/l
 RT: 5.19 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	78.7	63.0	94.4
51	32.6	26.1	39.1

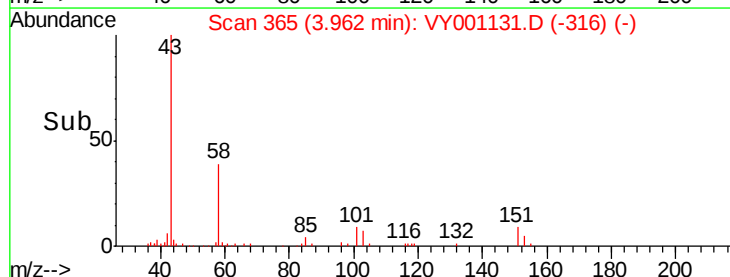
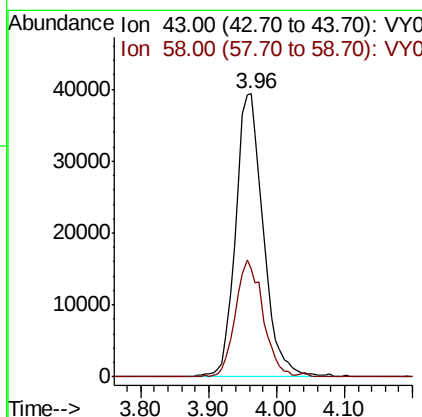
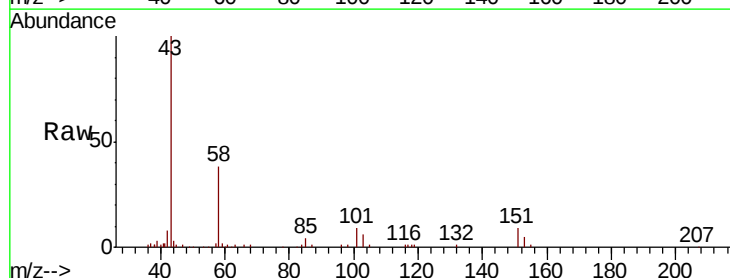
Manual Integrations
 APPROVED

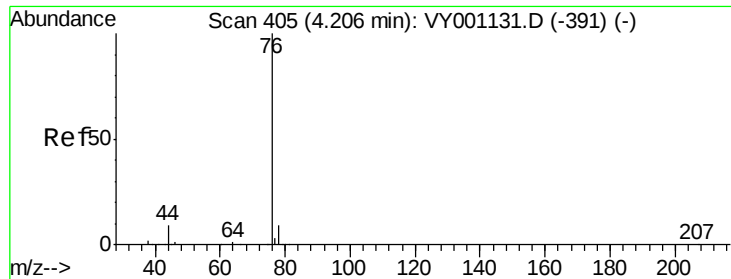
apatel
 1/3/2020 11:12:14 AM



#16
 Acetone
 Concen: 140.441 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.6	46.0





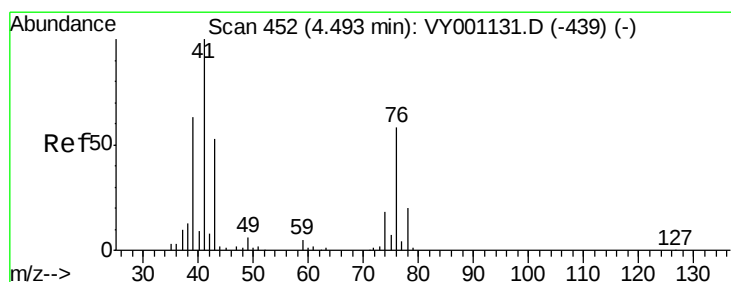
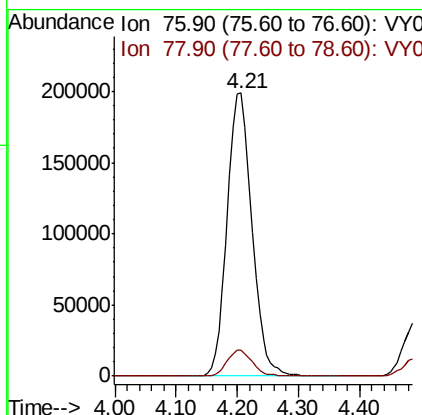
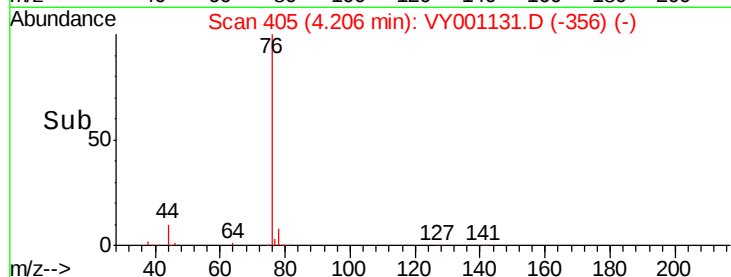
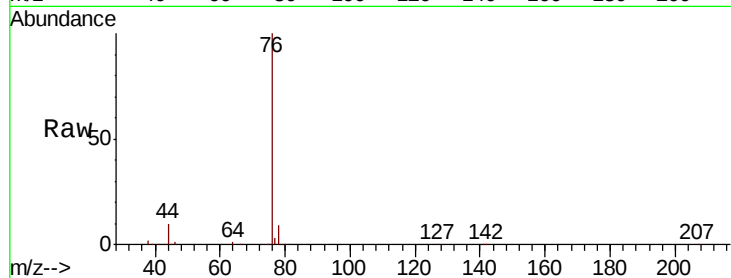
#17
Carbon Disulfide
Concen: 41.864 ug/l
RT: 4.21 min Scan# 405
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

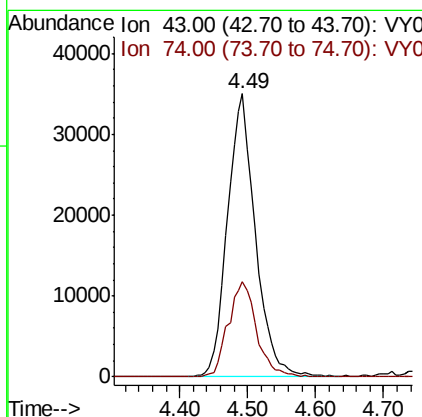
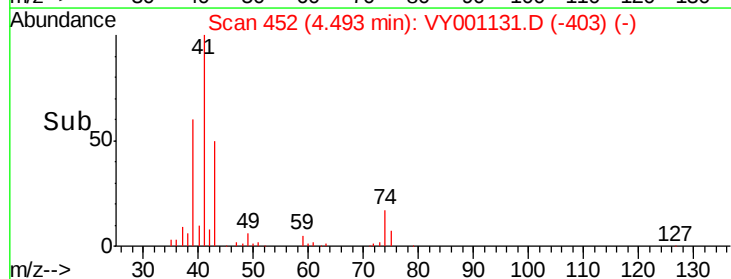
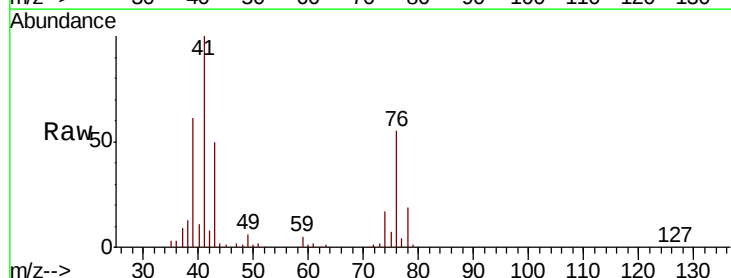
Manual Integrations
APPROVED

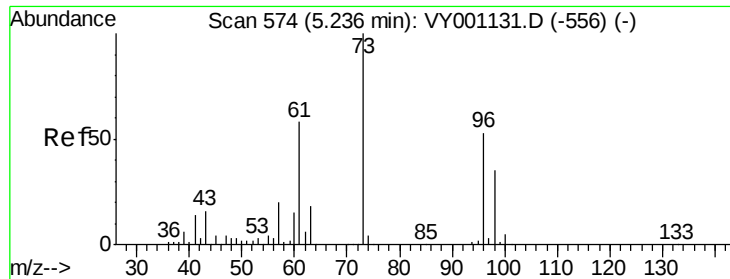
apatel
1/3/2020 11:12:14 AM



#18
Methyl Acetate
Concen: 32.420 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	34.1	27.3	40.9





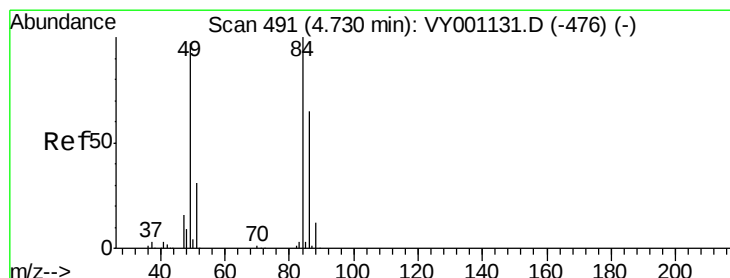
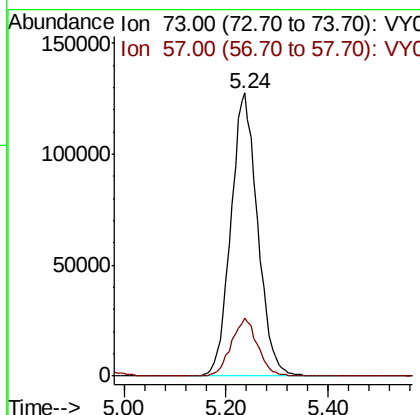
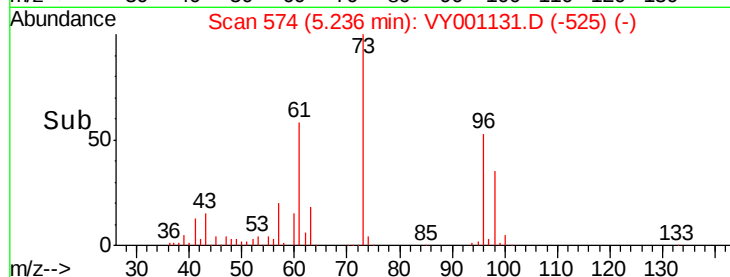
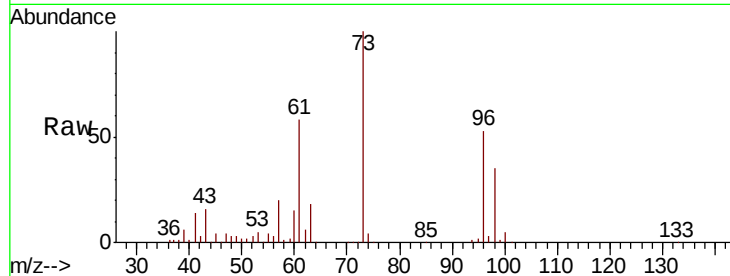
#19
Methyl tert-butyl Ether
Concen: 43.897 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 463639
Ion Ratio Lower Upper
73 100
57 20.4 16.3 24.5

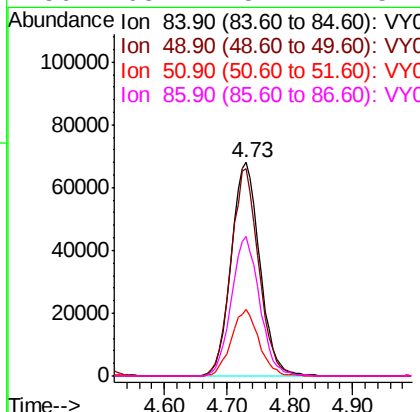
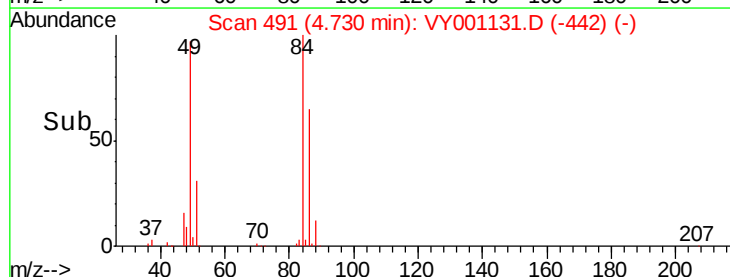
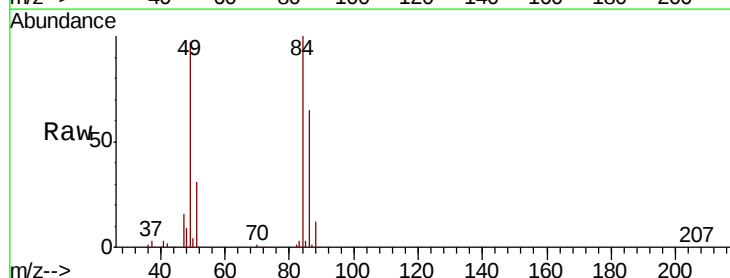
Manual Integrations
APPROVED

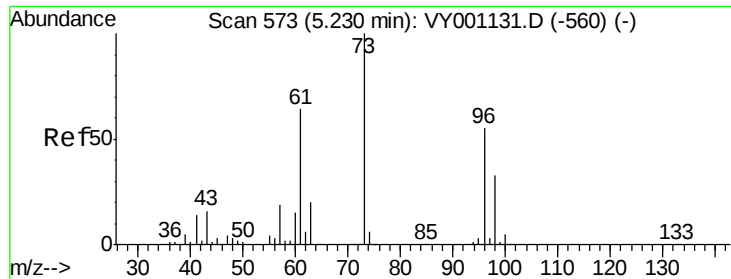
apatel
1/3/2020 11:12:14 AM



#20
Methylene Chloride
Concen: 43.422 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion: 84 Resp: 214021
Ion Ratio Lower Upper
84 100
49 96.9 77.5 116.3
51 30.9 24.7 37.1
86 65.2 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 47.027 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Instrument :

MSVOA_Y

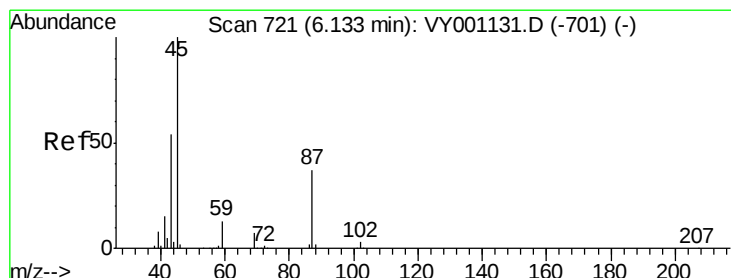
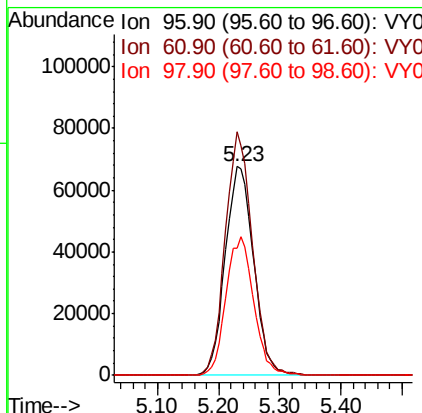
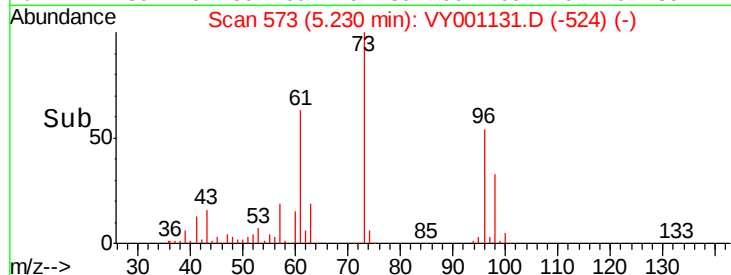
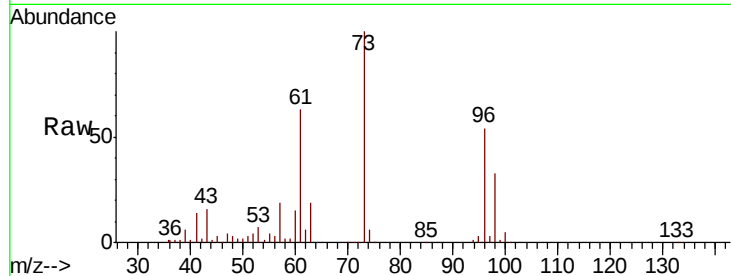
ClientSampled :

VSTDICCC050

Tot Ion:	96	Resp:	216180
Ion	Ratio	Lower	Upper
96	100		
61	116.5	93.2	139.8
98	61.0	48.8	73.2

Manual Integrations
APPROVED

apatel
1/3/2020 11:12:14 AM



#22

Diisopropyl ether

Concen: 35.065 ug/l

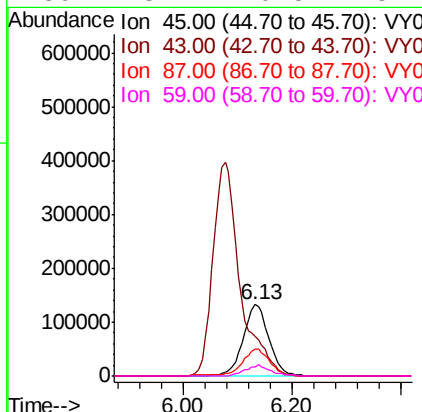
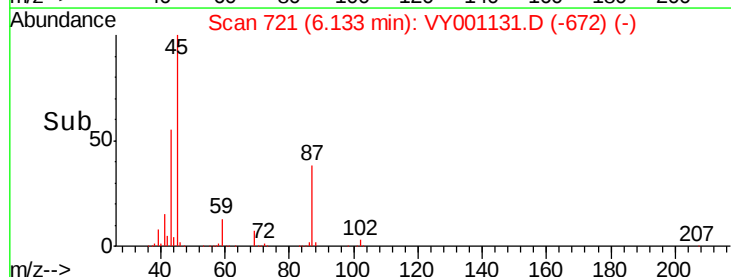
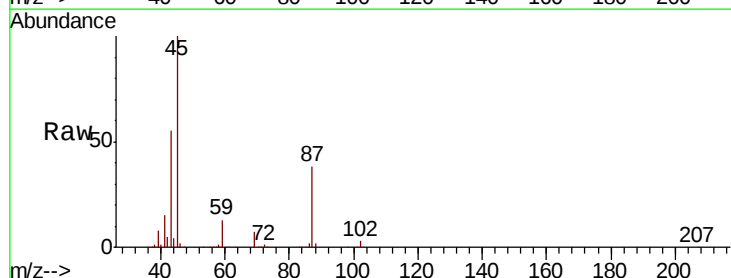
RT: 6.13 min Scan# 721

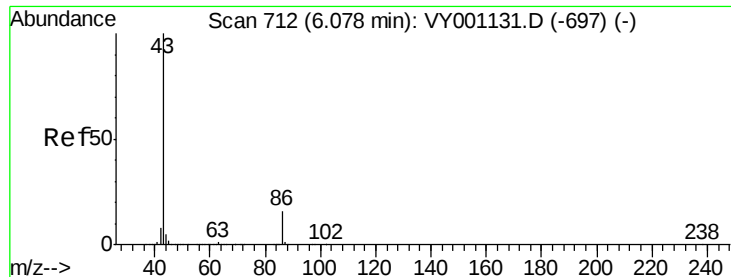
Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Tgt Ion:	45	Resp:	436172
Ion	Ratio	Lower	Upper
45	100		
43	54.6	43.7	65.5
87	37.5	30.0	45.0
59	13.1	10.5	15.7





#23

Vinyl Acetate

Concen: 174.600 ug/l

RT: 6.08 min Scan# 712

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Instrument :

MSVOA_Y

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 1367523

Ion Ratio Lower Upper

43 100

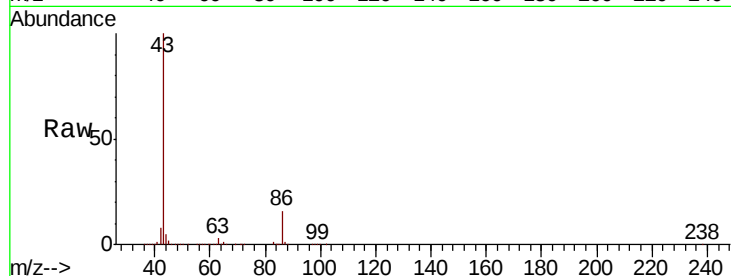
86 15.7 12.6 18.8

Manual Integrations

APPROVED

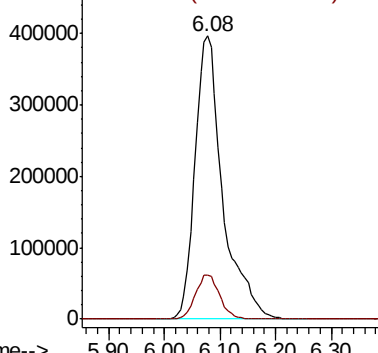
apatel

1/3/2020 11:12:14 AM

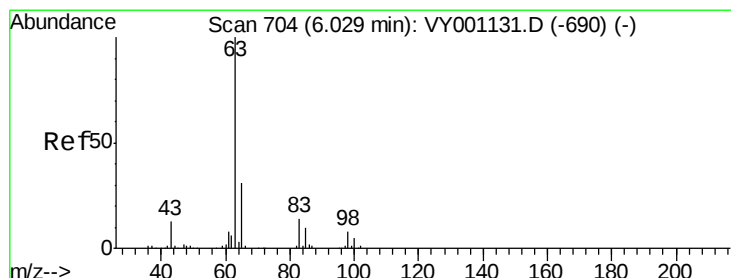
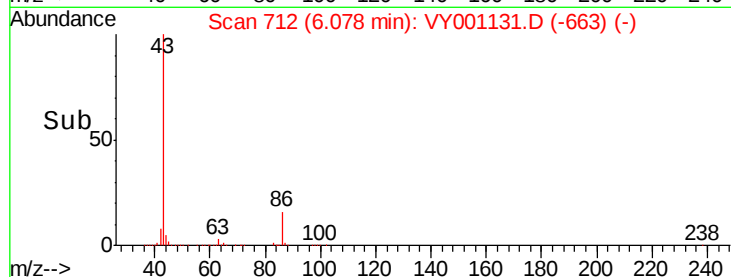


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 40.049 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

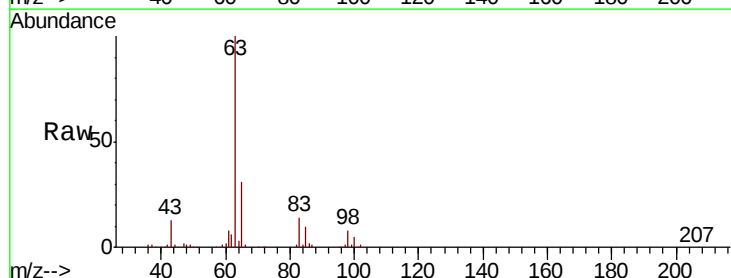
Tgt Ion: 63 Resp: 300331

Ion Ratio Lower Upper

63 100

98 8.2 4.1 12.3

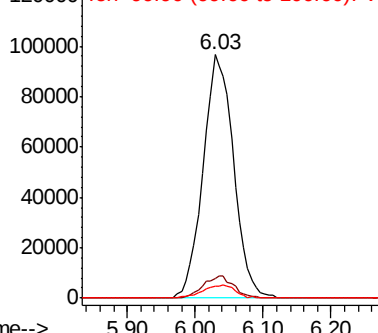
100 5.1 2.5 7.6



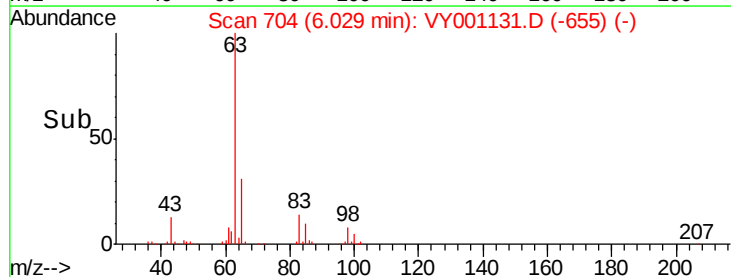
Abundance Ion 62.90 (62.60 to 63.60): VY0

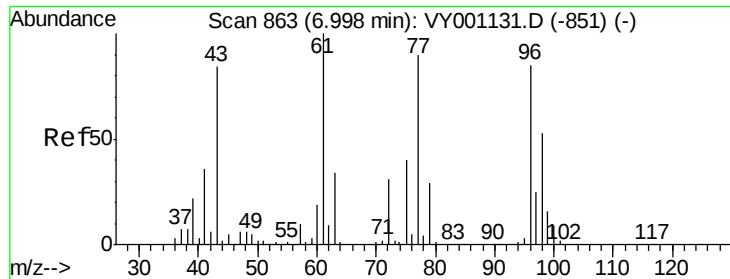
Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0



Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 164.436 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 230323

Ion Ratio Lower Upper

43 100

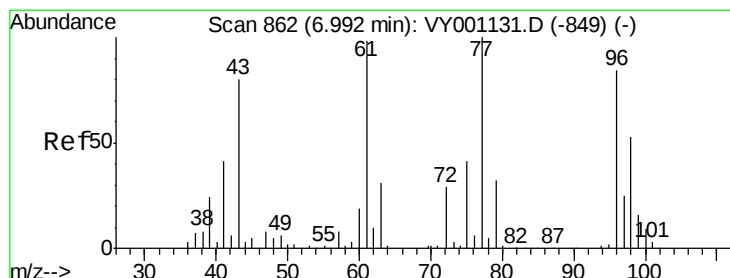
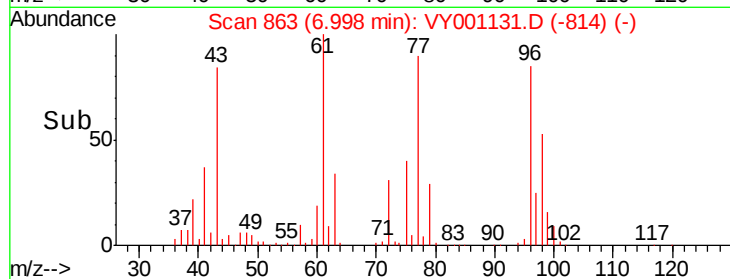
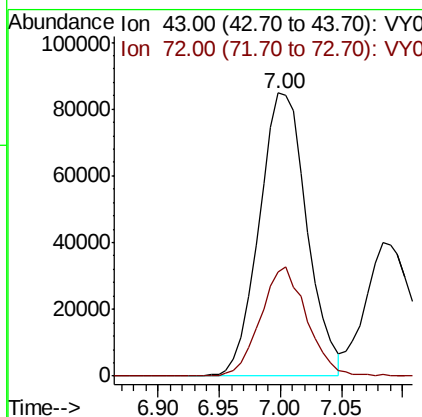
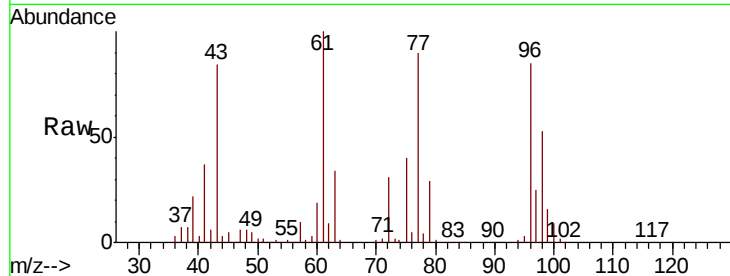
72 36.9 29.5 44.3

Manual Integrations

APPROVED

apatel

1/3/2020 11:12:14 AM



#26

2,2-Dichloropropane

Concen: 45.280 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001131.D

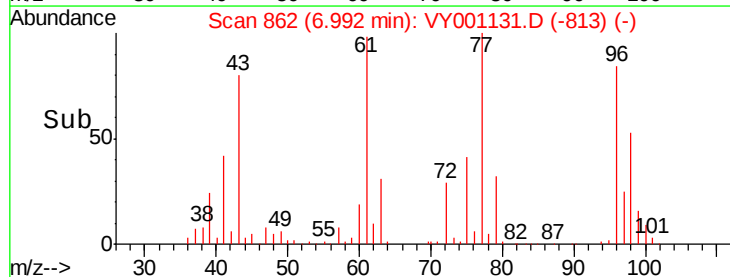
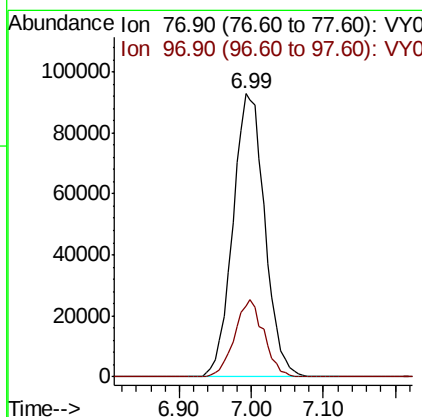
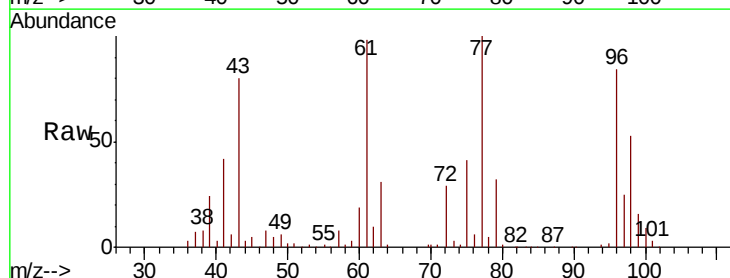
Acq: 02 Jan 2020 11:46

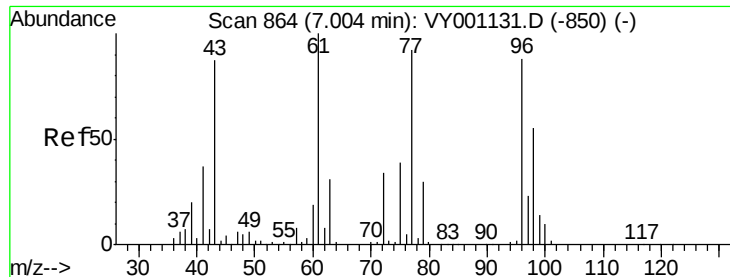
Tgt Ion: 77 Resp: 285235

Ion Ratio Lower Upper

77 100

97 25.1 12.6 37.6





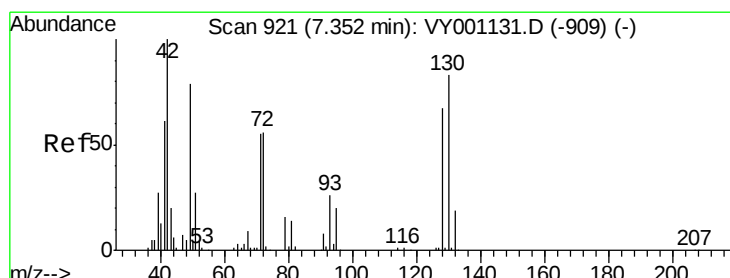
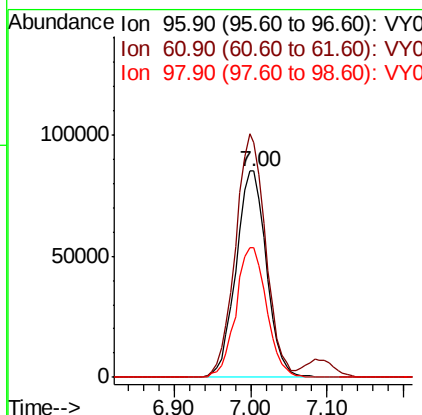
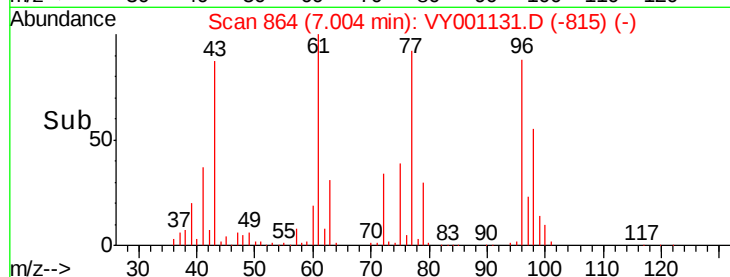
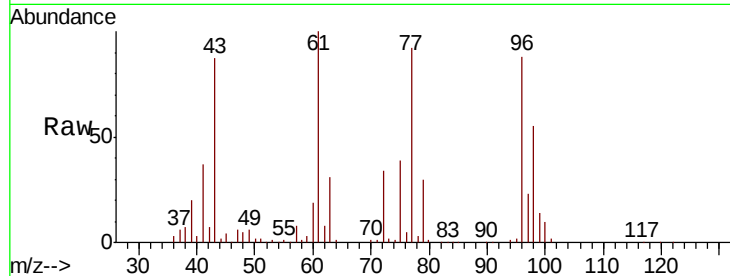
#27
 cis-1,2-Dichloroethene
 Concen: 46.533 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	117.5	0.0	235.0
98	63.7	0.0	127.4

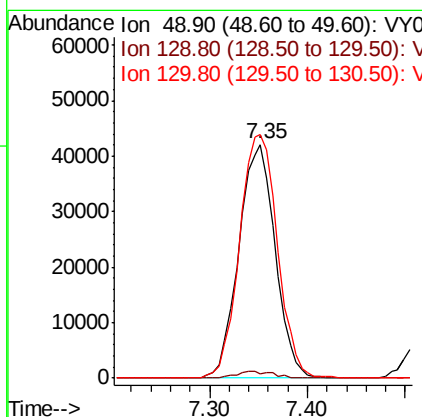
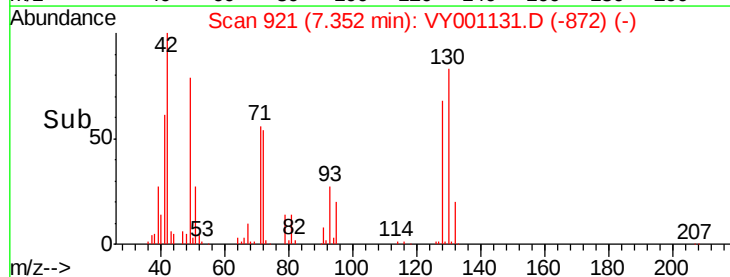
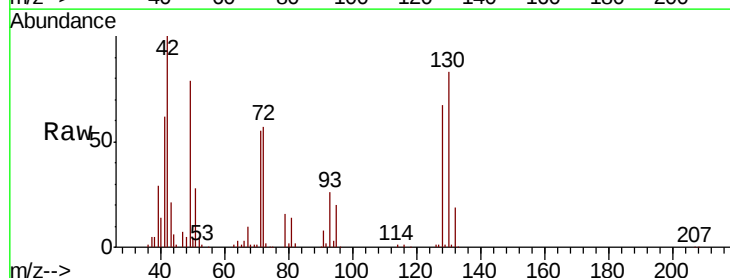
Manual Integrations
 APPROVED

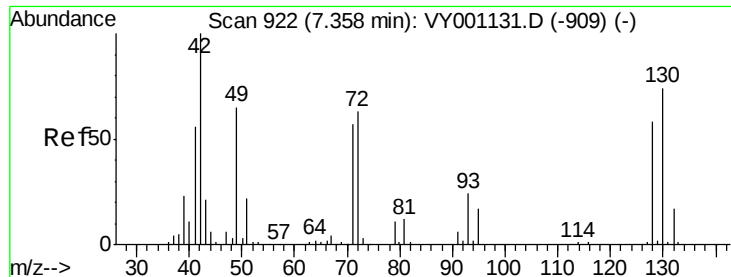
apatel
 1/3/2020 11:12:14 AM



#28
 Bromochloromethane
 Concen: 37.968 ug/l
 RT: 7.35 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	6.0
130	108.6	86.9	130.3





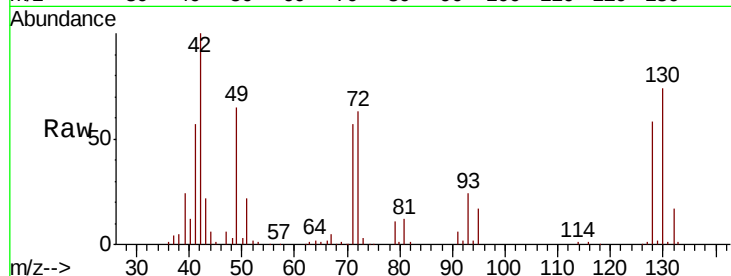
#29
Tetrahydrofuran
Concen: 155.697 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	61.3	49.0	73.6
71	56.6	45.3	67.9

Manual Integrations
APPROVED

apatel
1/3/2020 11:12:14 AM

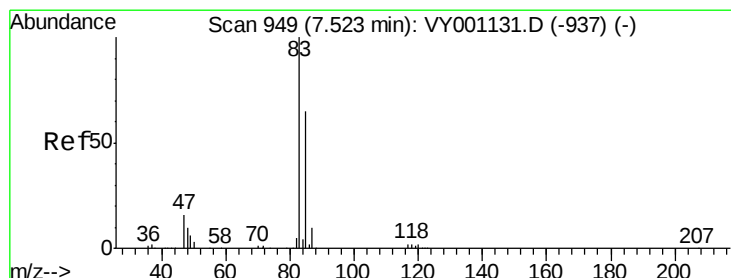
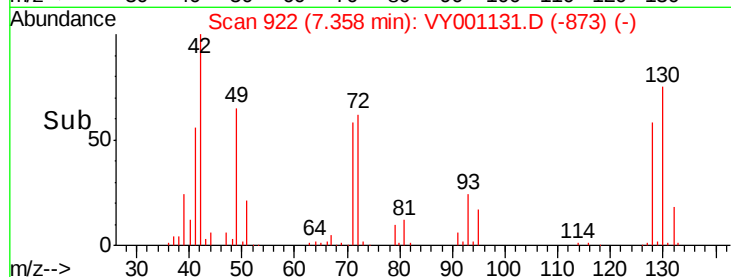
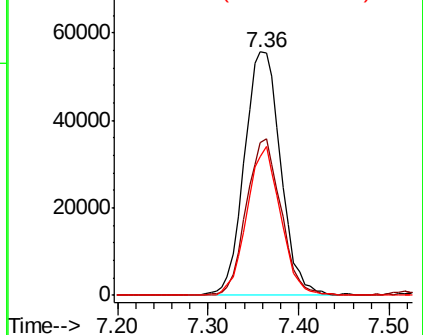


Abundance

Ion 42.00 (41.70 to 42.70): VY0

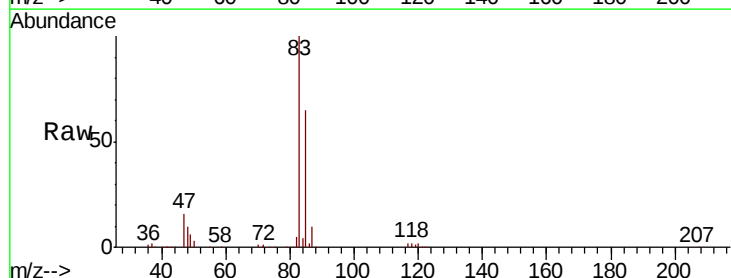
Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#30
Chloroform
Concen: 43.955 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

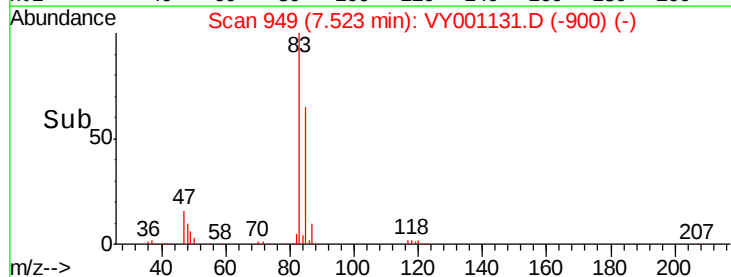
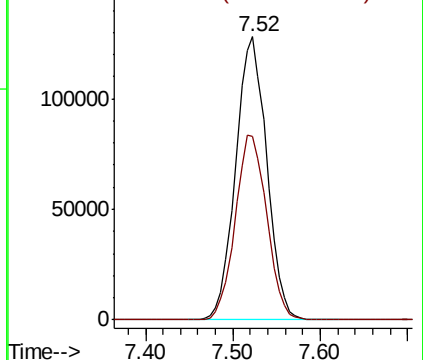
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.0	78.0

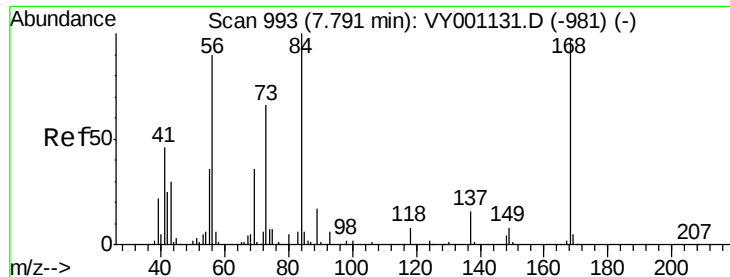


Abundance

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





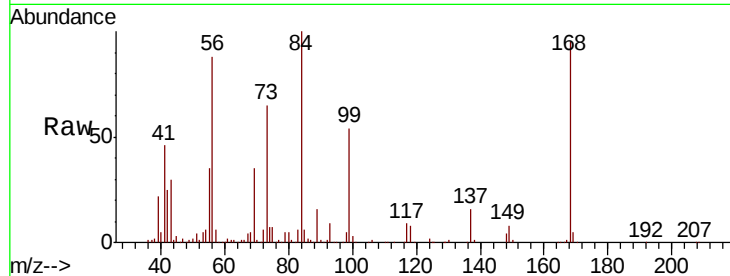
#31
Cyclohexane
Concen: 37.270 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

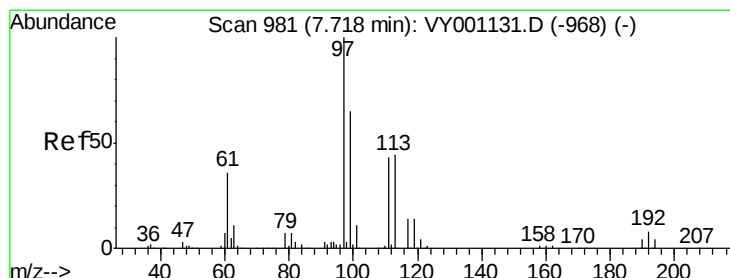
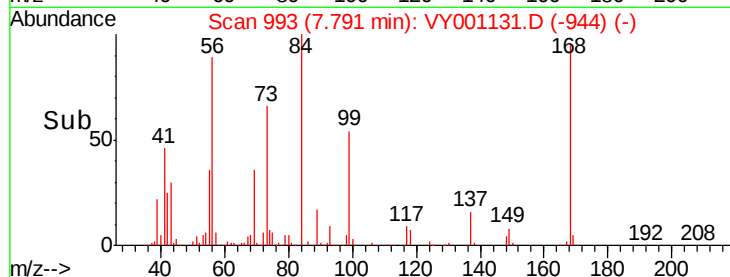
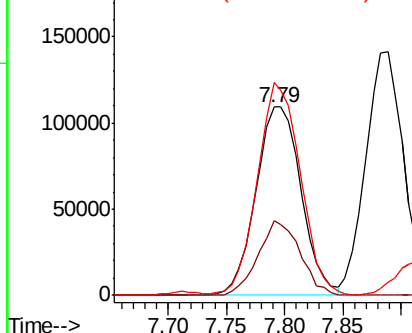
Tot Ion	Ratio	Lower	Upper
56	100		
69	40.0	32.0	48.0
84	111.4	89.1	133.7

Manual Integrations
APPROVED

apatel
1/3/2020 11:12:14 AM

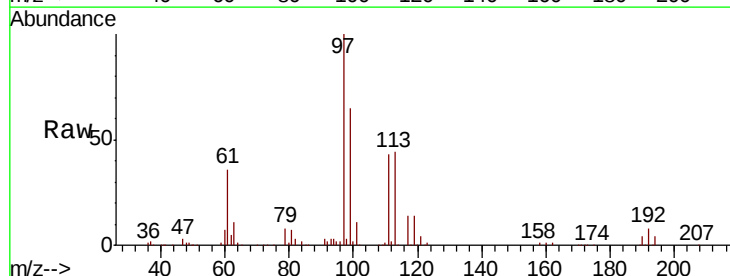


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

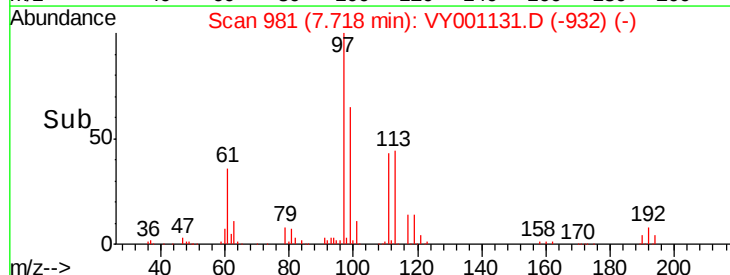
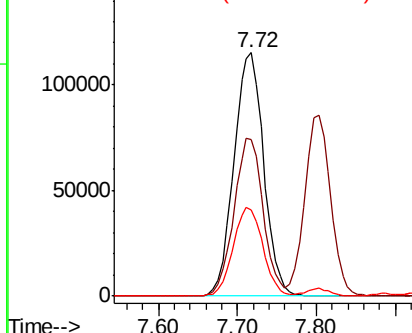


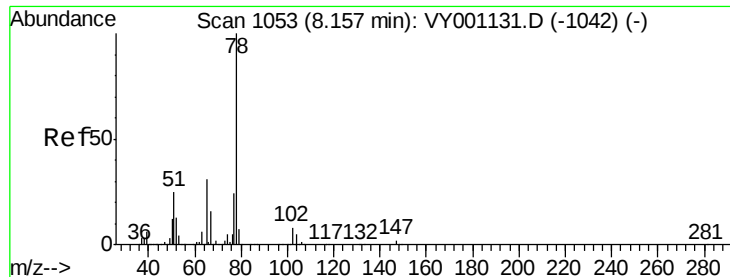
#32
1,1,1-Trichloroethane
Concen: 48.317 ug/l
RT: 7.72 min Scan# 981
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	36.5	29.2	43.8



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





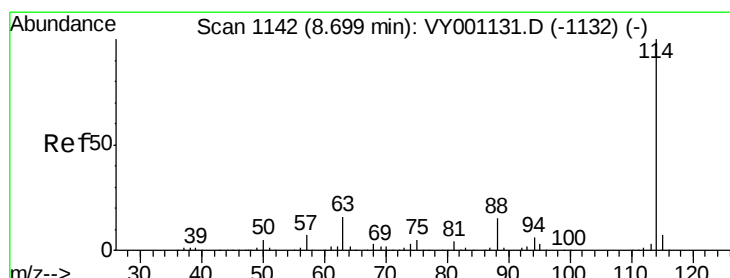
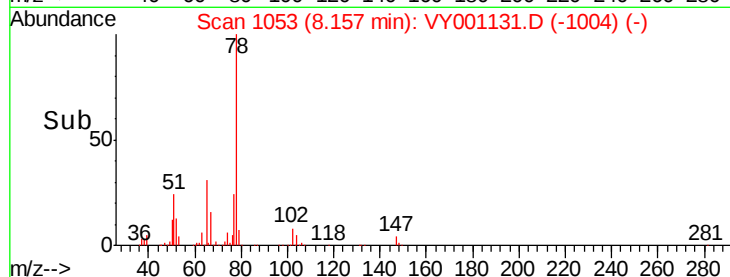
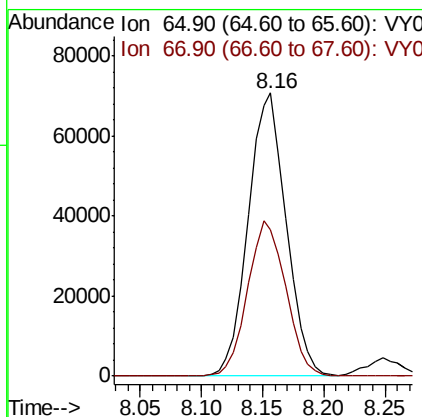
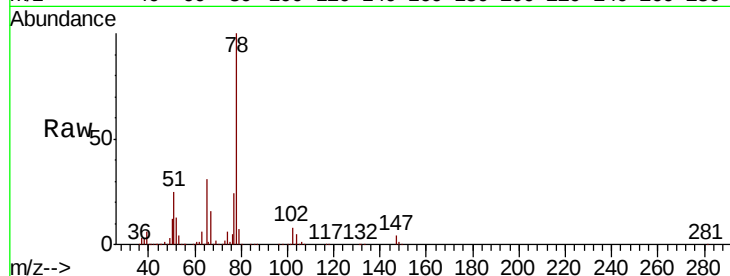
#33
 1,2-Dichloroethane-d4
 Concen: 42.899 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	110.6

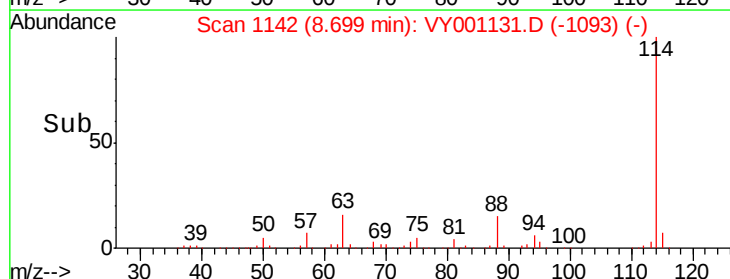
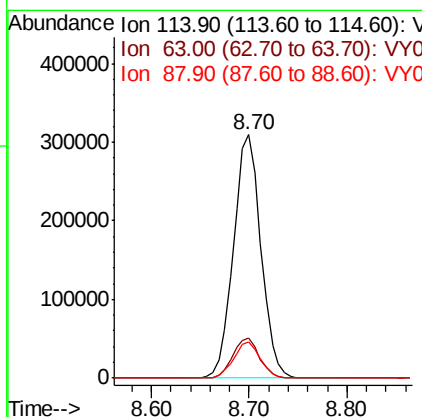
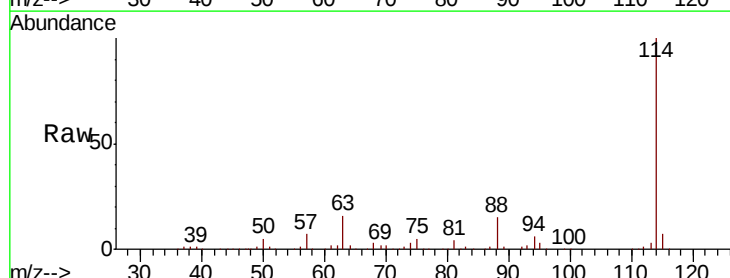
Manual Integrations
 APPROVED

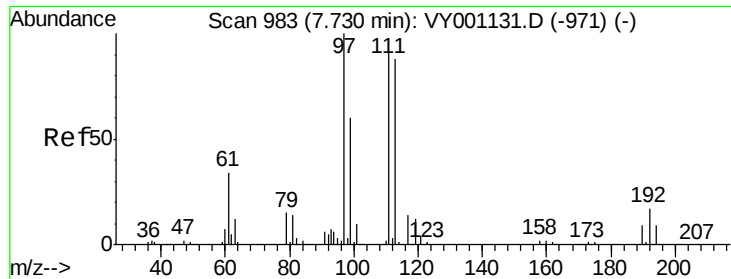
apatel
 1/3/2020 11:12:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	33.0
88	15.0	0.0	30.0





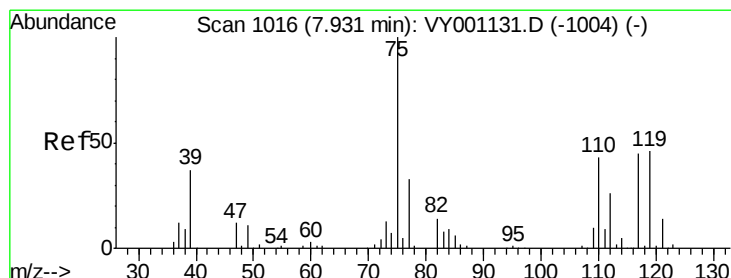
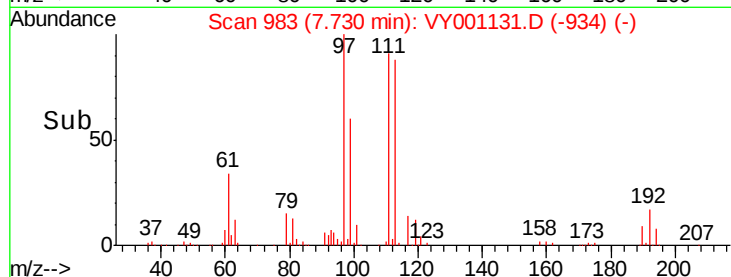
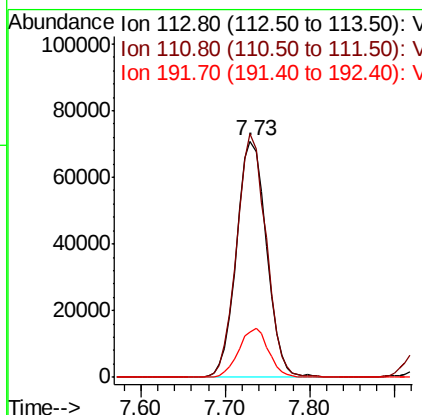
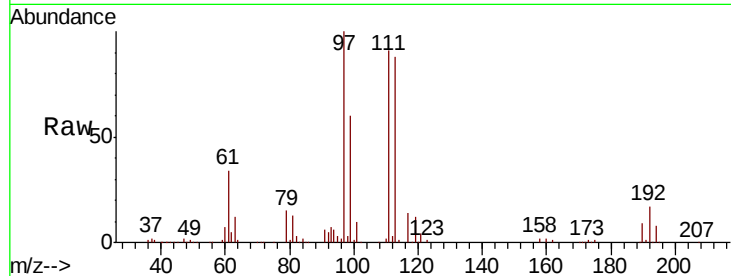
#35
 Dibromofluoromethane
 Concen: 47.972 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	169861		
111	101.2	81.0	121.4	
192	20.5	16.4	24.6	

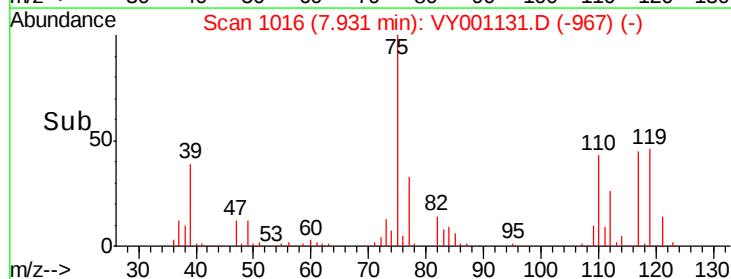
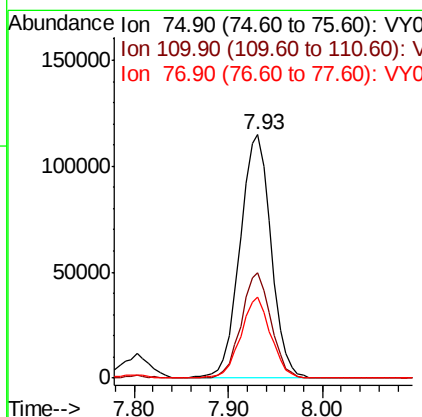
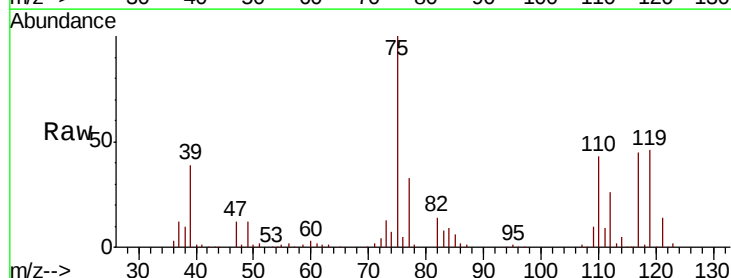
Manual Integrations
 APPROVED

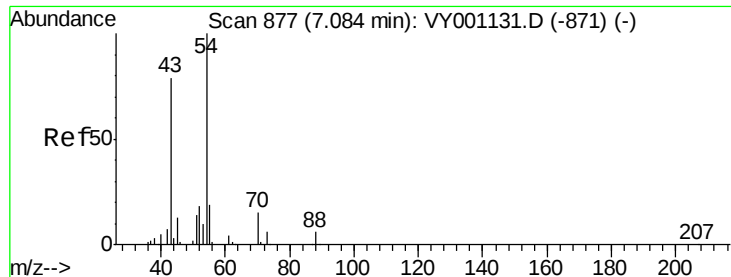
apatel
 1/3/2020 11:12:14 AM



#36
 1,1-Dichloropropene
 Concen: 46.447 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	265543		
110	41.2	20.6	61.8	
77	32.1	25.7	38.5	





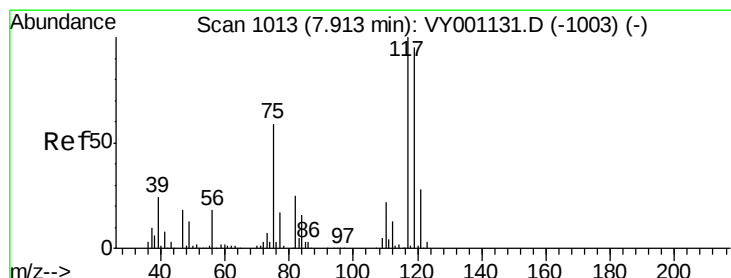
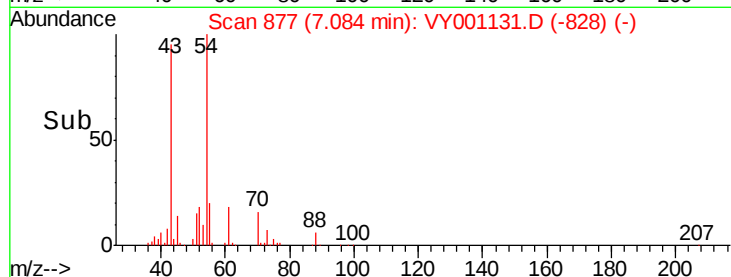
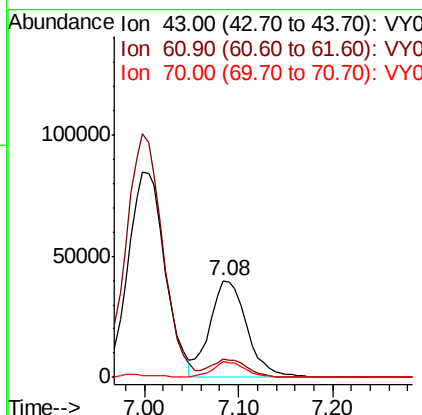
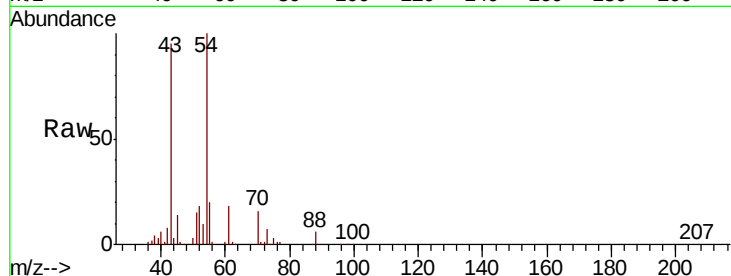
#37
Ethyl Acetate
Concen: 36.004 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.4	21.6
70	14.4	11.5	17.3

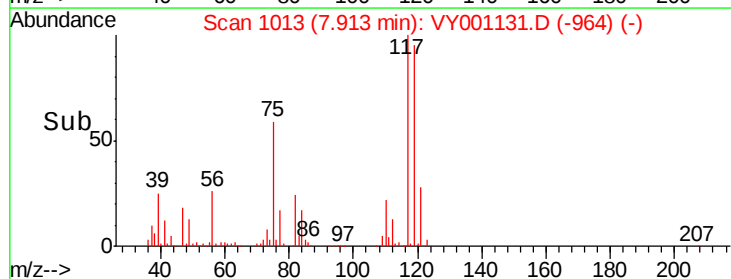
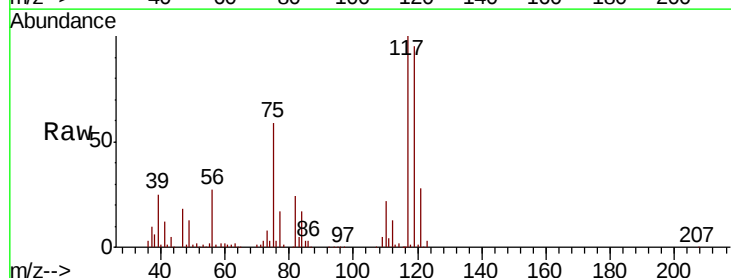
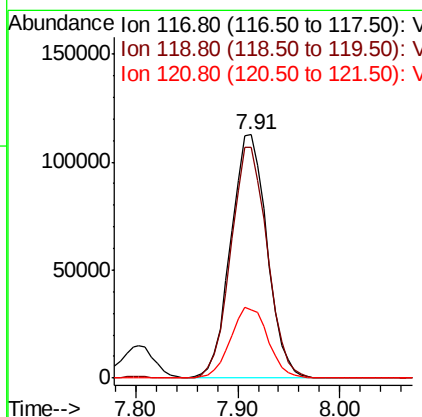
Manual Integrations
APPROVED

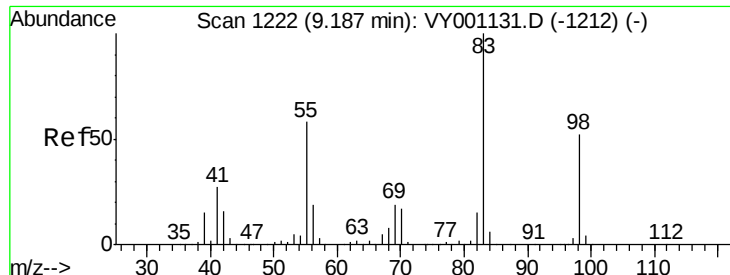
apatel
1/3/2020 11:12:14 AM



#38
Carbon Tetrachloride
Concen: 53.945 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.8	113.6
121	28.1	22.5	33.7





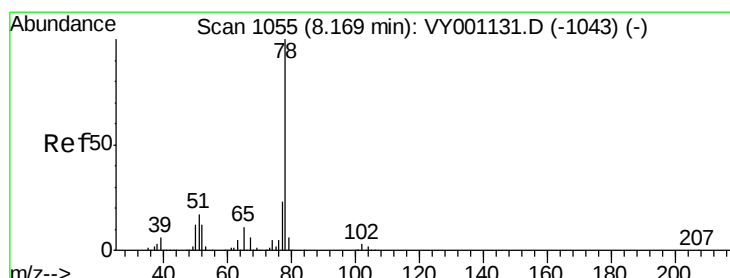
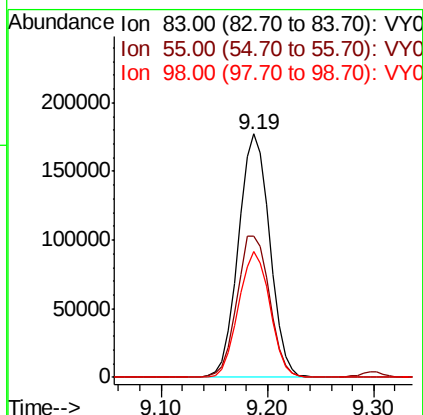
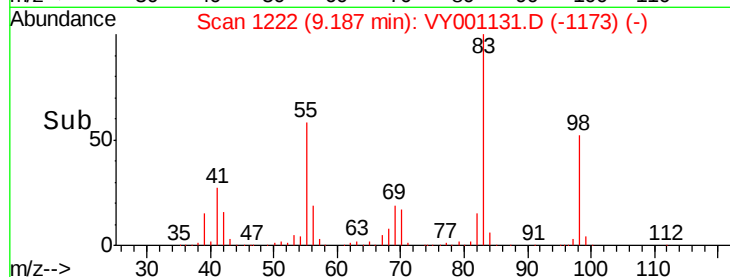
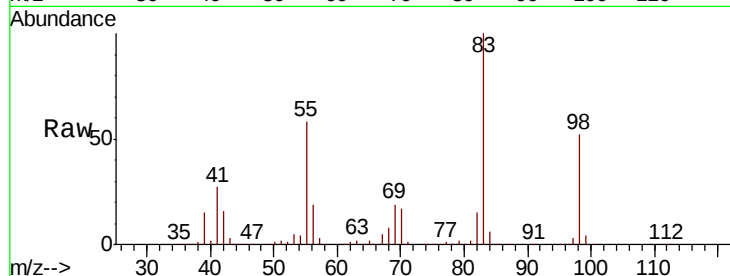
#39
Methvlcvclohexane
Concen: 48.094 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	58.0	46.4	69.6
98	51.9	41.5	62.3

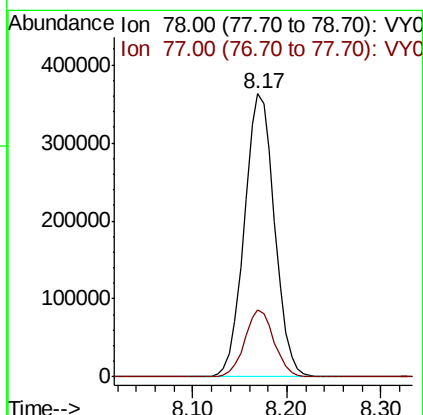
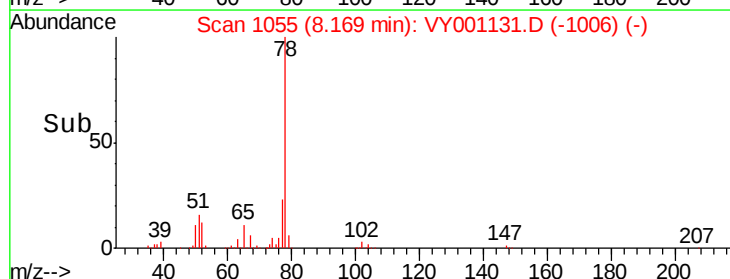
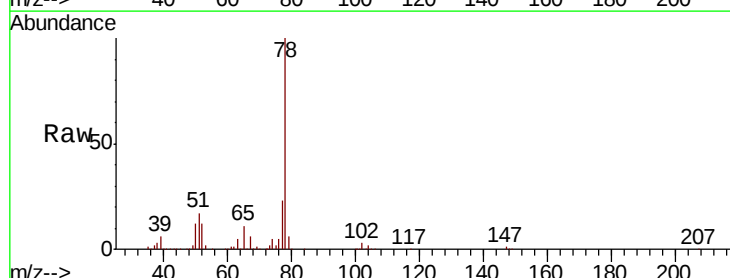
Manual Integrations
APPROVED

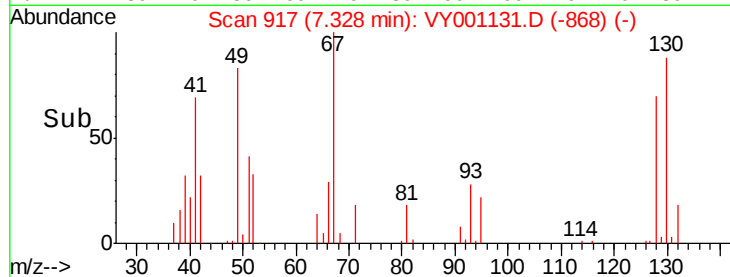
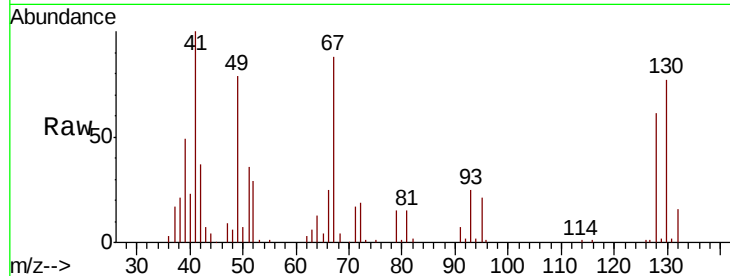
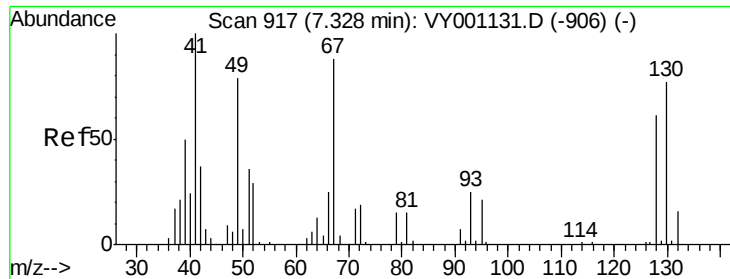
apatel
1/3/2020 11:12:14 AM



#40
Benzene
Concen: 47.048 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





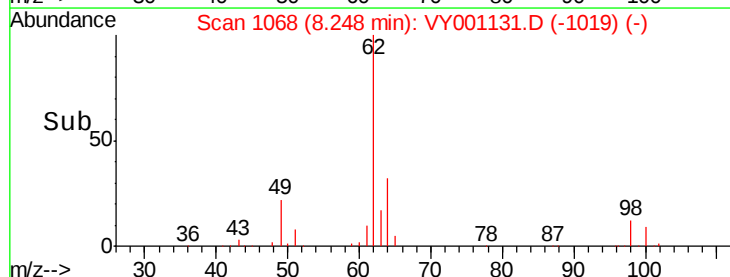
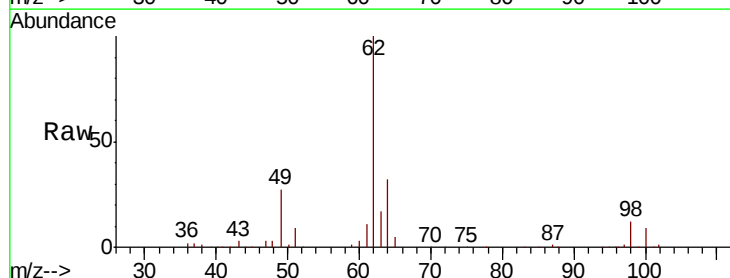
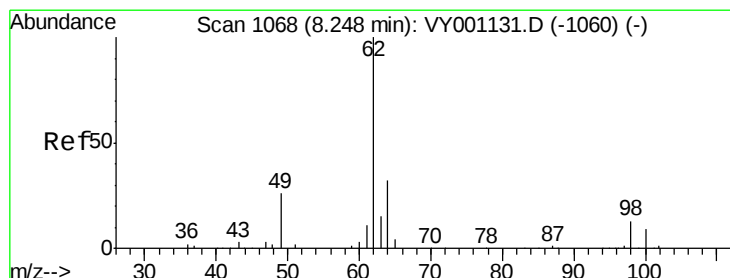
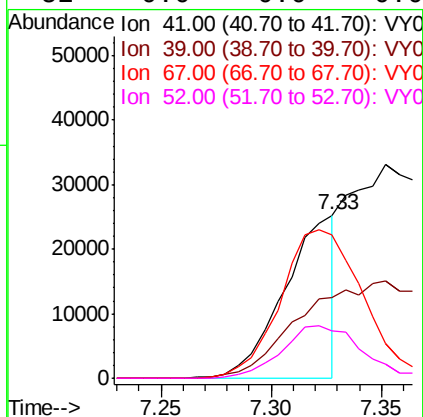
#41
Methacrylonitrile
Concen: 32.489 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tot Ion	41	Resp	41408
Ion	Ratio	Lower	Upper
41	100		
39	153.6	122.9	184.3
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

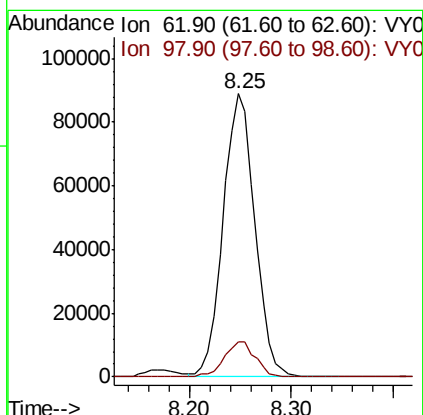
Manual Integrations
APPROVED

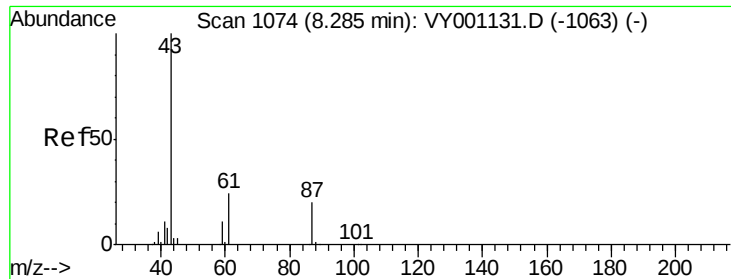
apatel
1/3/2020 11:12:14 AM



#42
1,2-Dichloroethane
Concen: 46.560 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion	62	Resp	191060
Ion	Ratio	Lower	Upper
62	100		
98	12.2	0.0	24.4





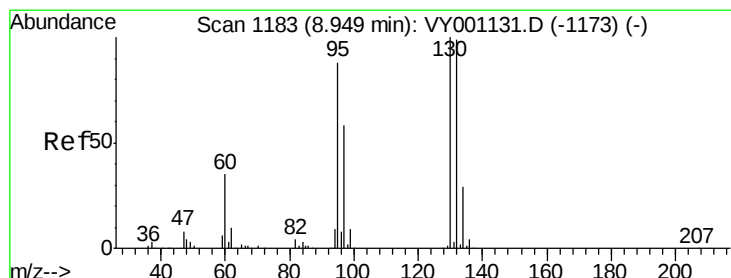
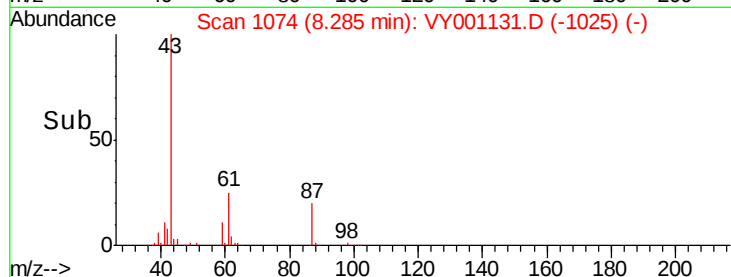
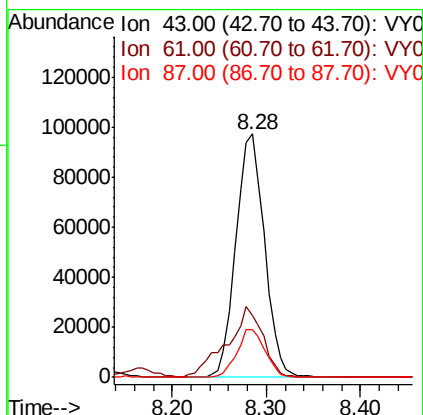
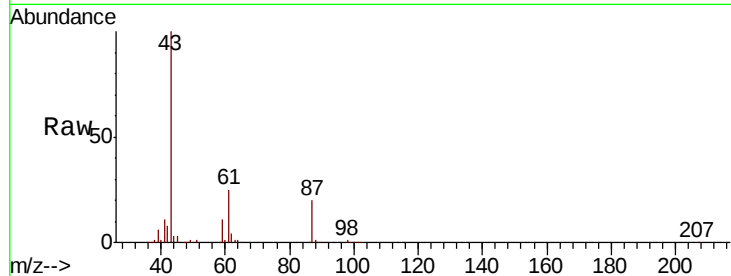
#43
Isopropyl Acetate
Concen: 36.571 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.4	29.1	43.7
87	19.3	15.4	23.2

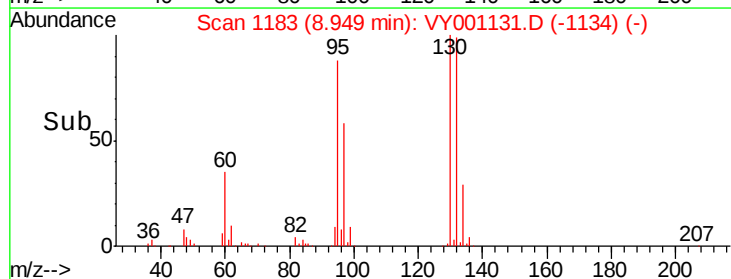
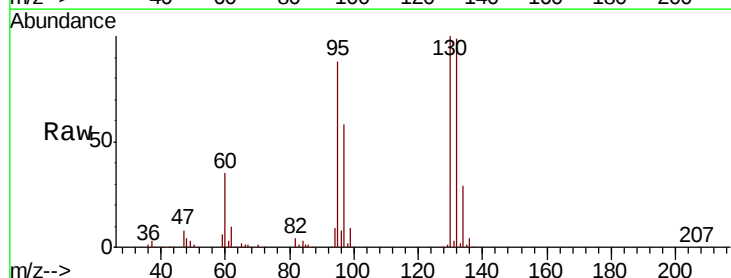
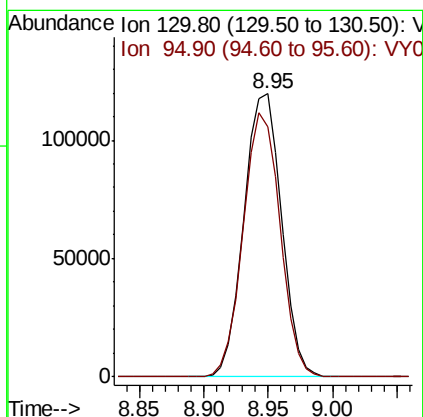
Manual Integrations
APPROVED

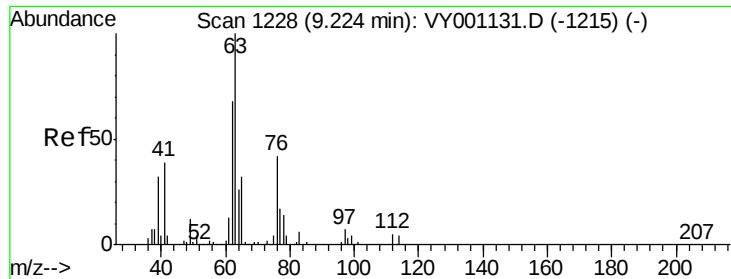
apatel
1/3/2020 11:12:14 AM



#44
Trichloroethene
Concen: 52.096 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.4	0.0	176.8





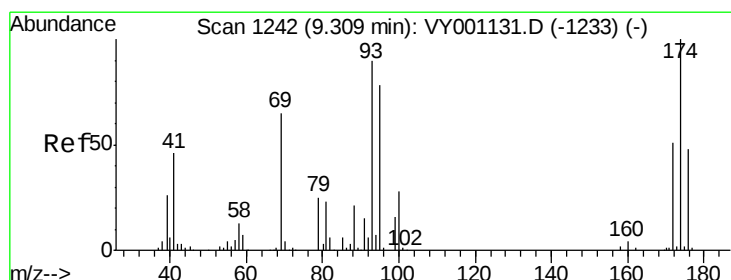
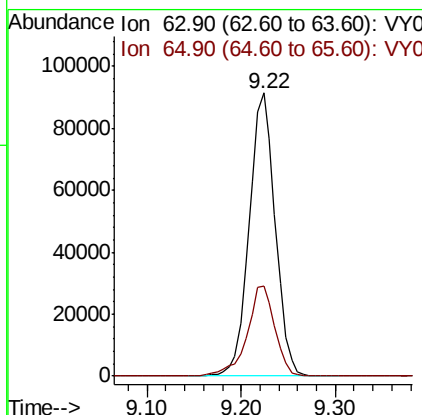
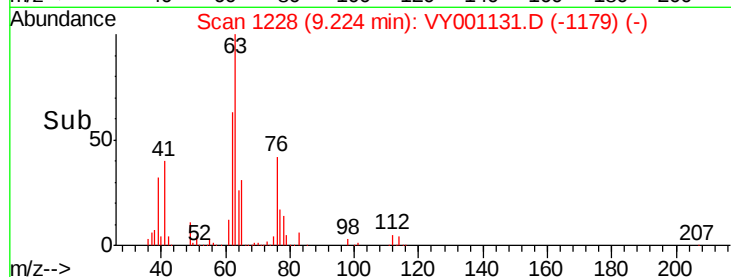
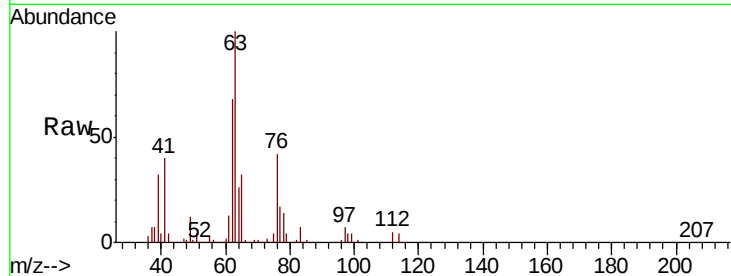
#45
 1,2-Dichloropropane
 Concen: 41.849 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDICCC050

Tot Ion: 63 Resp: 177489
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.6 38.4

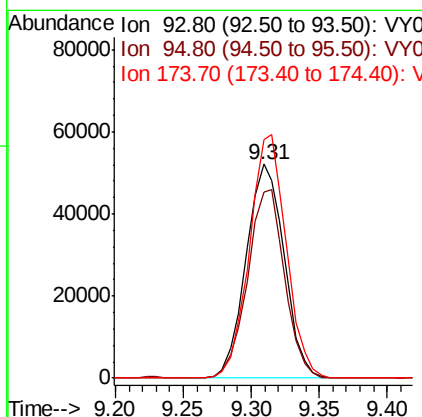
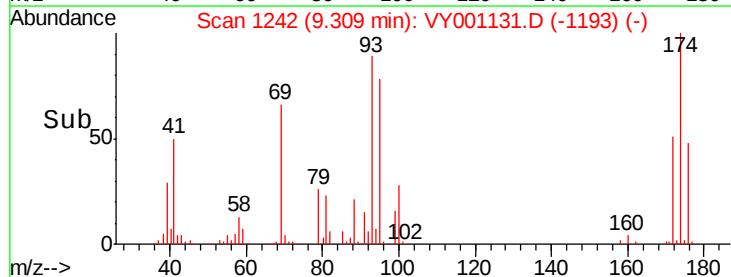
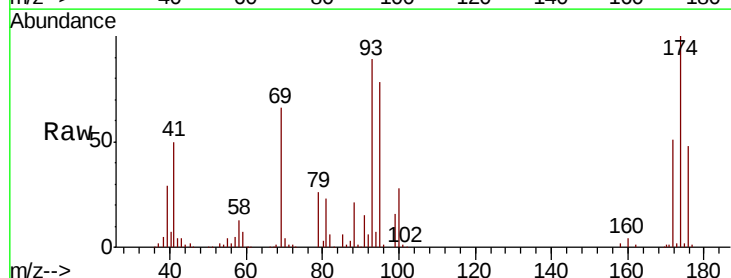
Manual Integrations
 APPROVED

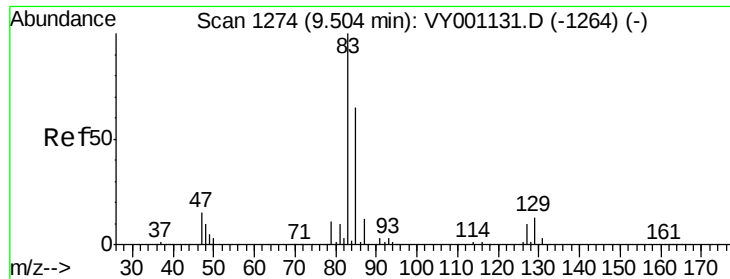
apatel
 1/3/2020 11:12:14 AM



#46
 Dibromomethane
 Concen: 46.103 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Tgt Ion: 93 Resp: 102021
 Ion Ratio Lower Upper
 93 100
 95 85.9 68.7 103.1
 174 110.0 88.0 132.0





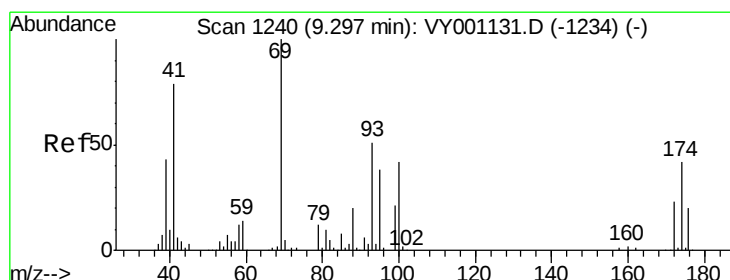
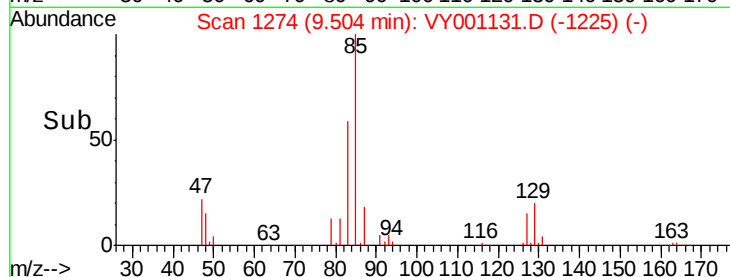
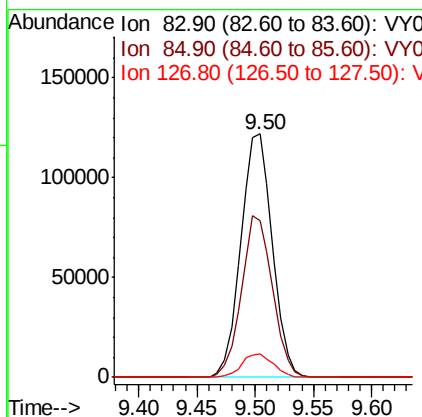
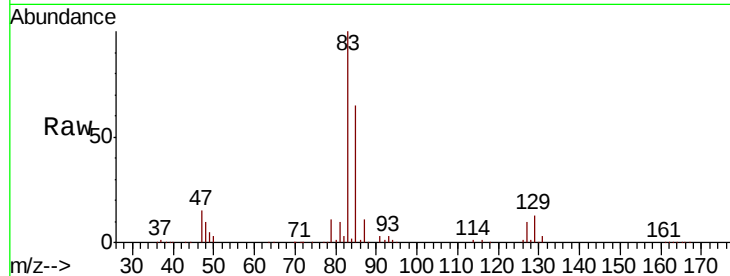
#47
Bromodichloromethane
Concen: 45.118 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	230444
Ion Ratio	100		
85	64.6	51.7	77.5
127	9.5	7.6	11.4

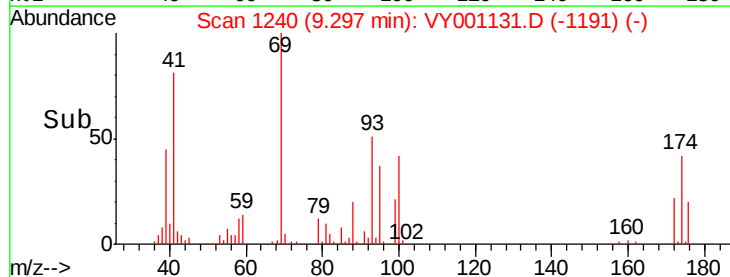
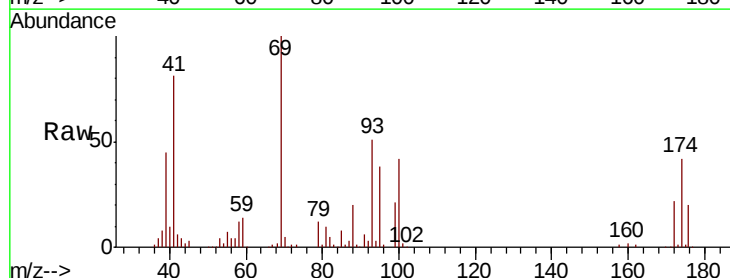
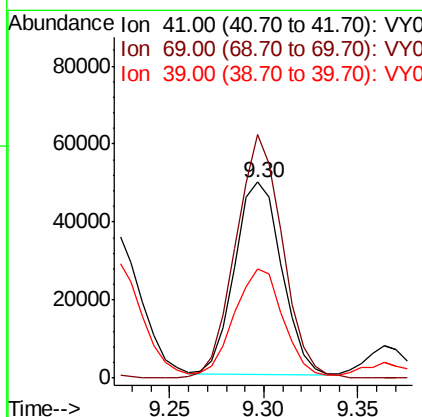
Manual Integrations
APPROVED

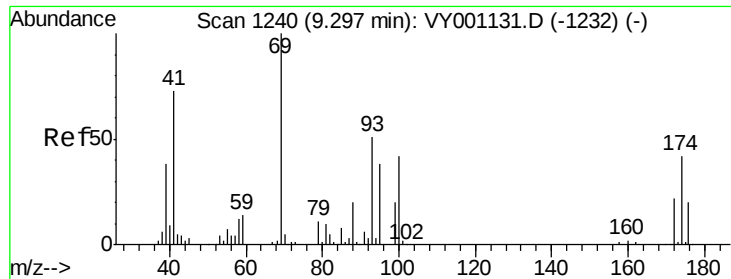
apatel
1/3/2020 11:12:14 AM



#48
Methyl methacrylate
Concen: 35.969 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion	41	Resp	85759
Ion Ratio	100		
69	125.4	100.3	150.5
39	59.5	47.6	71.4





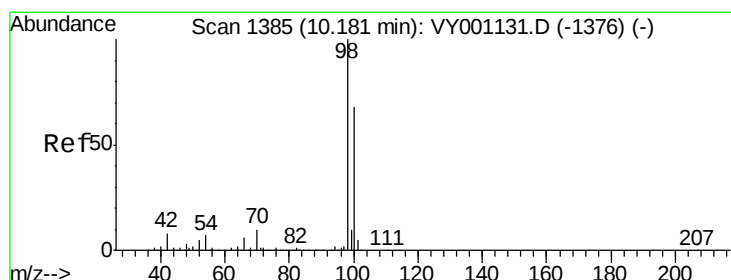
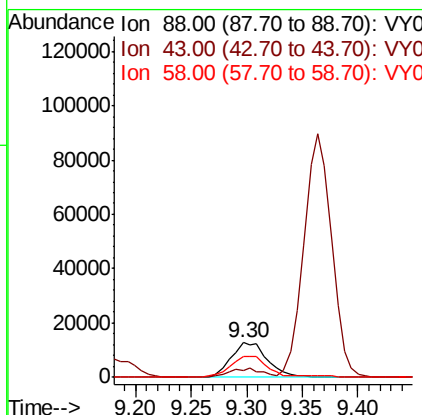
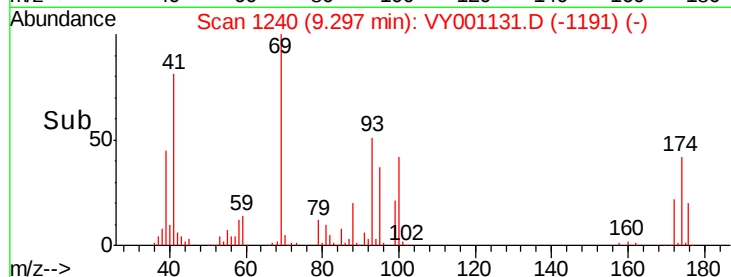
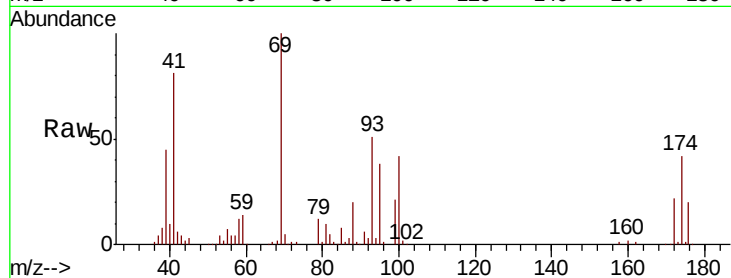
#49
 1,4-Dioxane
 Concen: 908.408 ug/l
 RT: 9.30 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	23.7	19.0	28.4
58	60.3	48.2	72.4

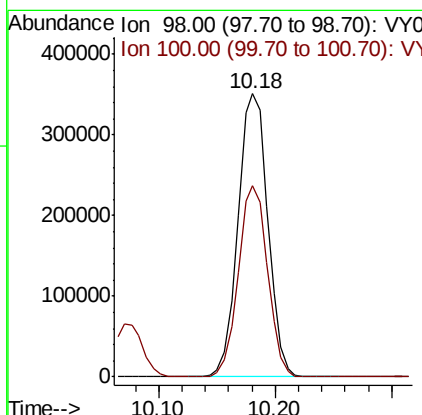
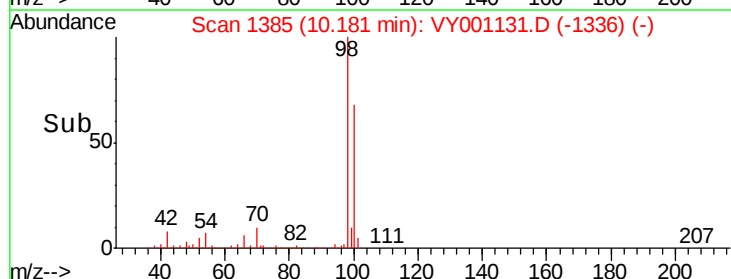
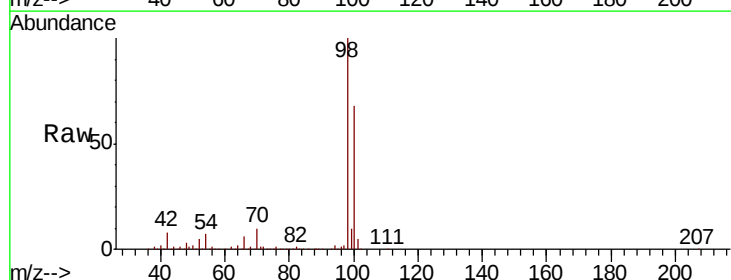
Manual Integrations
 APPROVED

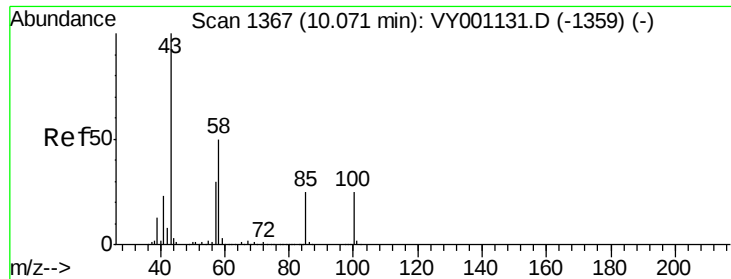
apatel
 1/3/2020 11:12:14 AM



#50
 Toluene-d8
 Concen: 46.152 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 161.297 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 465489

Ion Ratio Lower Upper

43 100

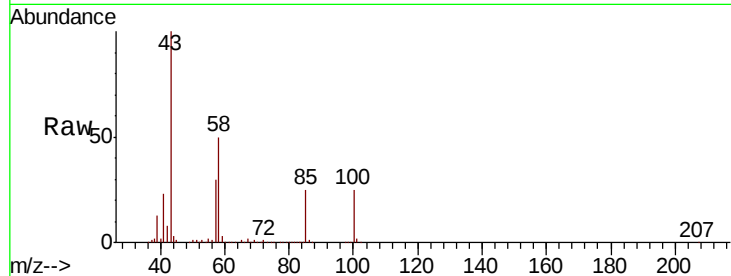
58 48.9 39.1 58.7

Manual Integrations

APPROVED

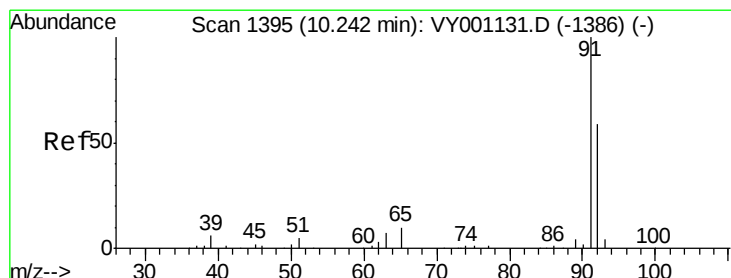
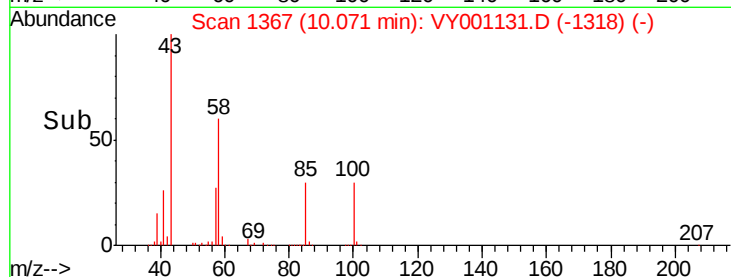
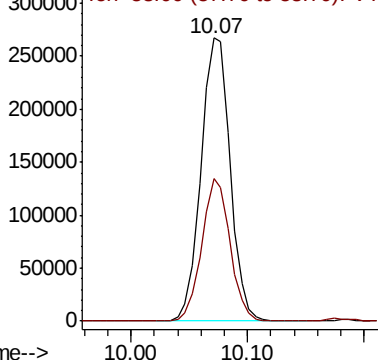
apatel

1/3/2020 11:12:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 45.770 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY001131.D

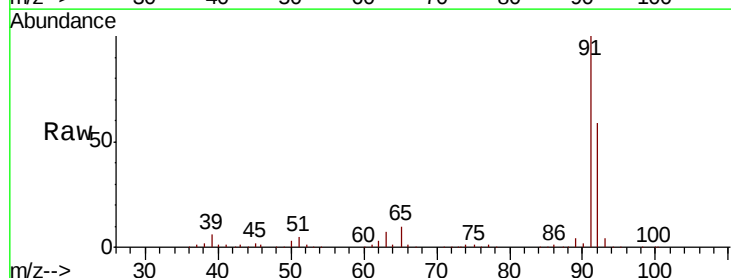
Acq: 02 Jan 2020 11:46

Tgt Ion: 92 Resp: 483015

Ion Ratio Lower Upper

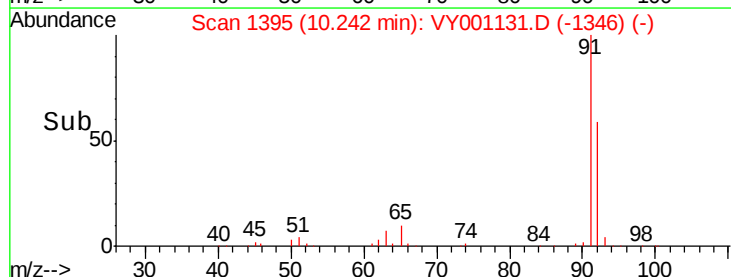
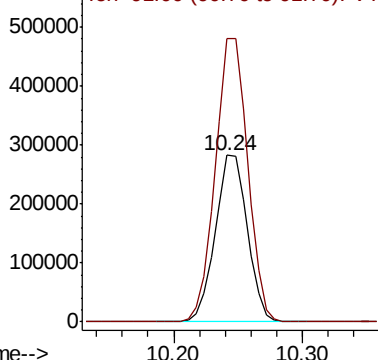
92 100

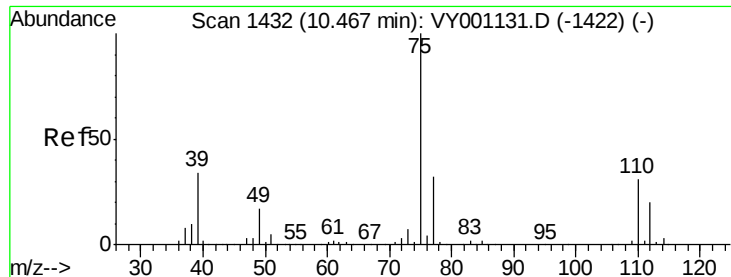
91 172.0 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





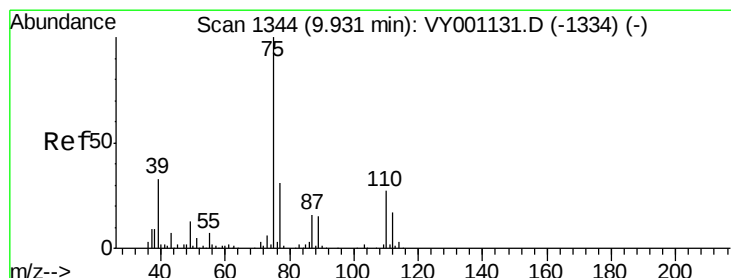
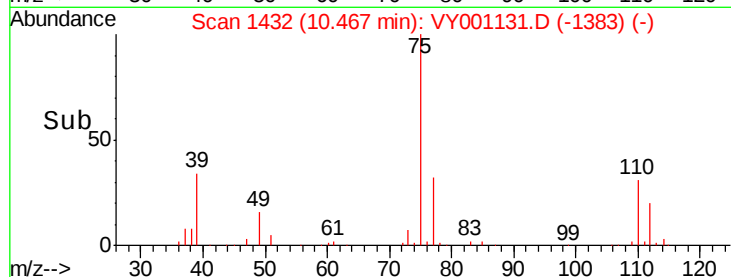
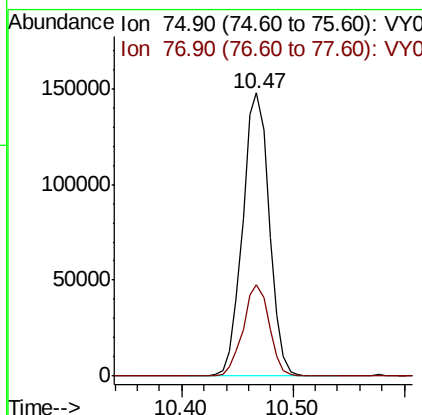
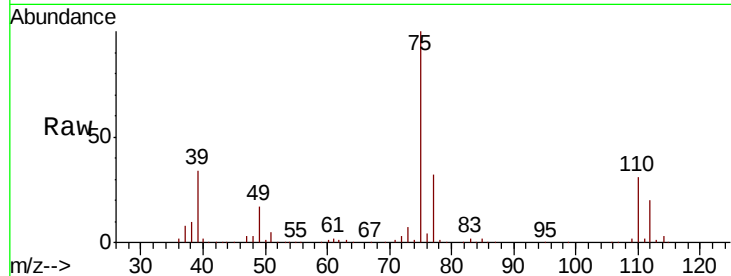
#53
t-1,3-Dichloropropene
Concen: 44.379 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 245169
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5

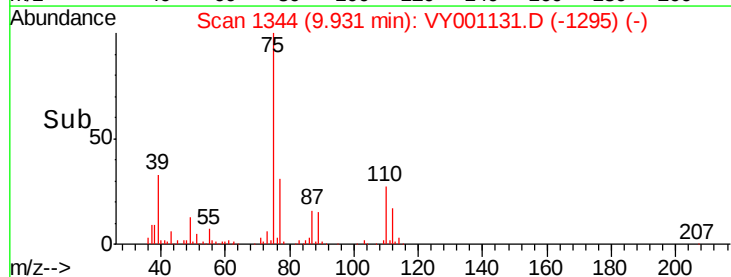
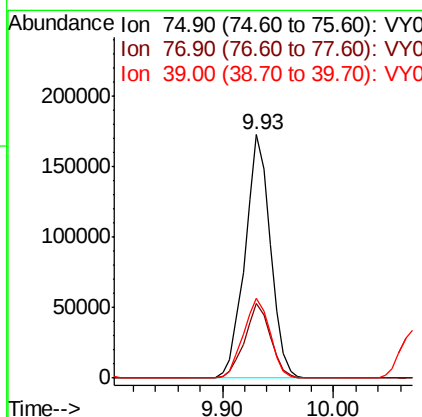
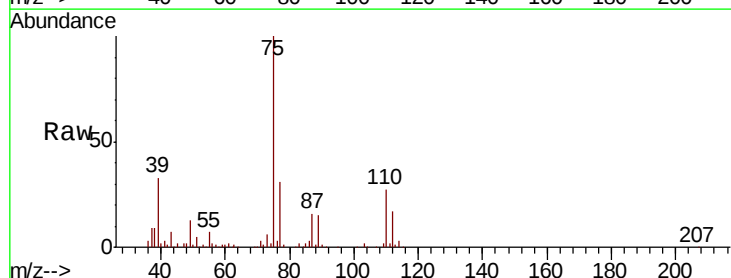
Manual Integrations
APPROVED

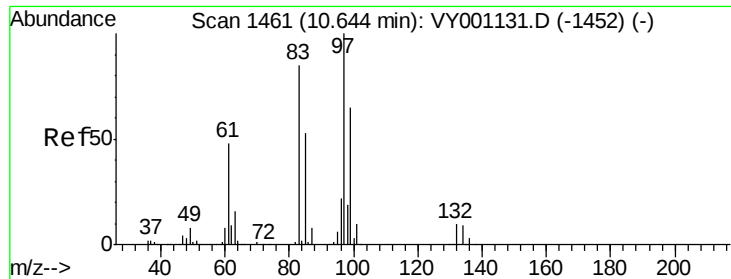
apatel
1/3/2020 11:12:14 AM



#54
cis-1,3-Dichloropropene
Concen: 41.511 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion: 75 Resp: 273595
Ion Ratio Lower Upper
75 100
77 30.8 24.6 37.0
39 32.8 26.2 39.4





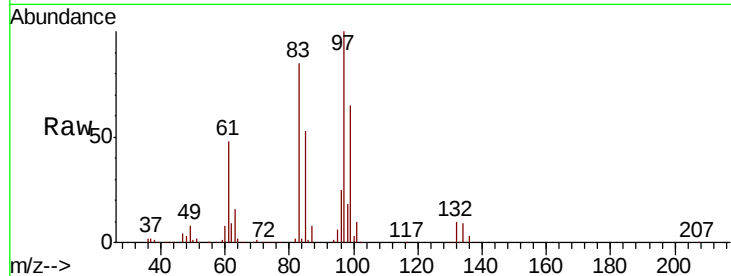
#55
 1,1,2-Trichloroethane
 Concen: 47.230 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

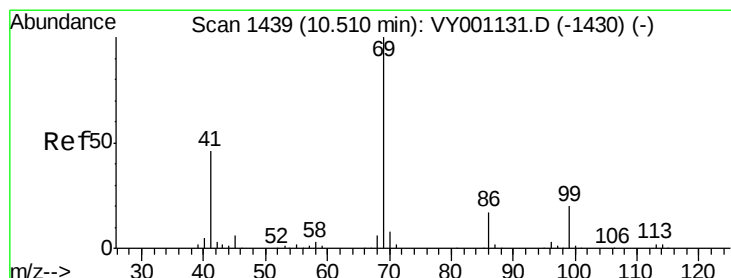
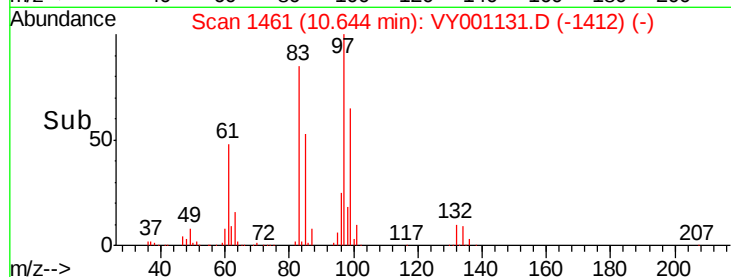
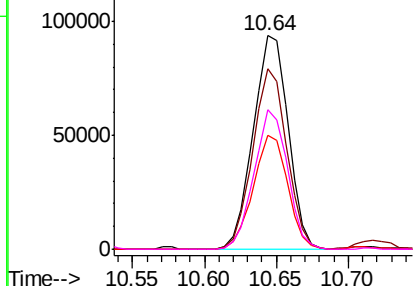
Tot Ion:	97	Resp:	157374
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.7	101.5
85	53.4	42.7	64.1
99	65.2	52.2	78.2

Manual Integrations
 APPROVED

apatel
 1/3/2020 11:12:14 AM

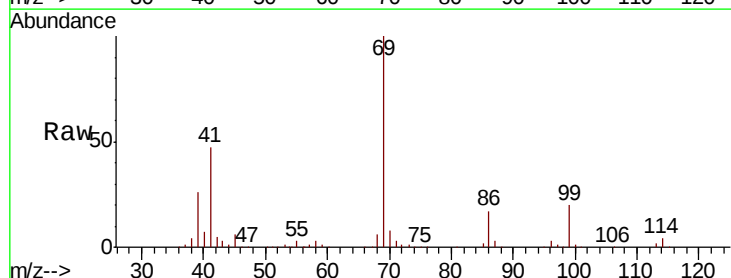


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

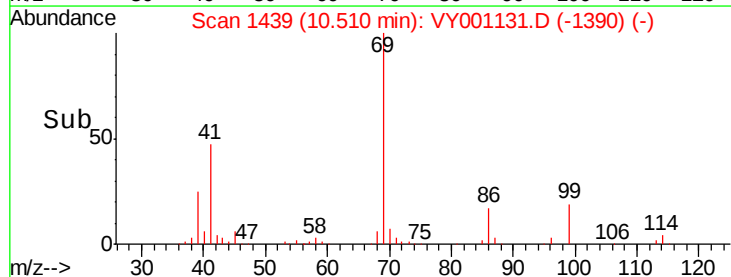
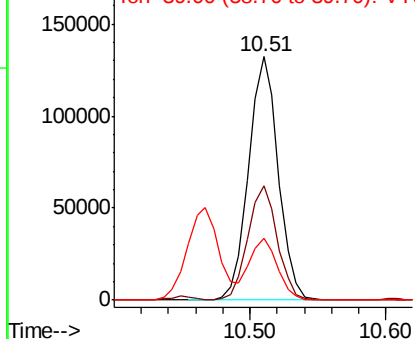


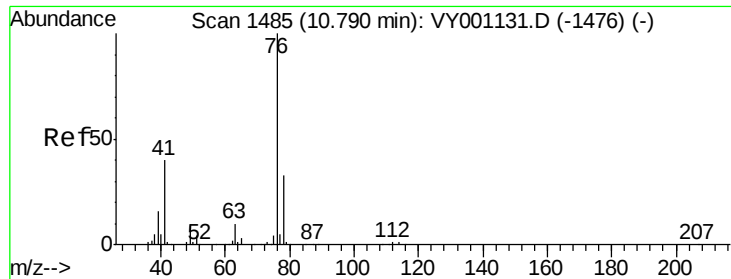
#56
 Ethyl methacrylate
 Concen: 43.471 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Tgt Ion:	69	Resp:	201914
Ion	Ratio	Lower	Upper
69	100		
41	46.9	37.5	56.3
39	23.8	19.0	28.6



Abundance Ion 69.00 (68.70 to 69.70): VY0
 Ion 41.00 (40.70 to 41.70): VY0
 Ion 39.00 (38.70 to 39.70): VY0





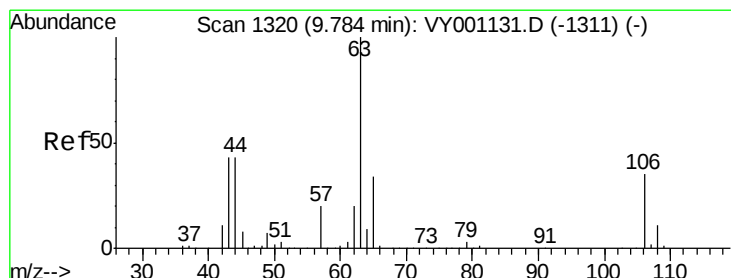
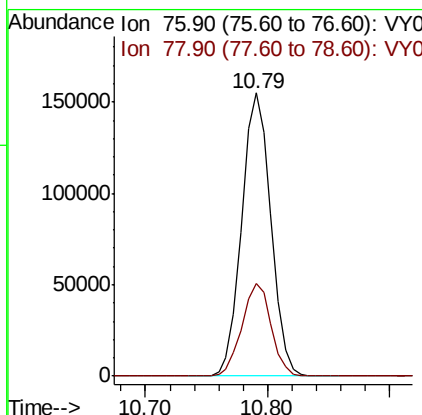
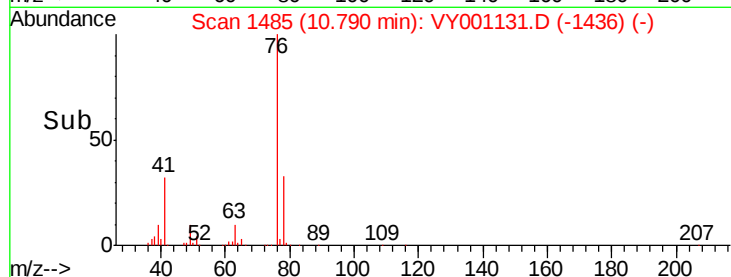
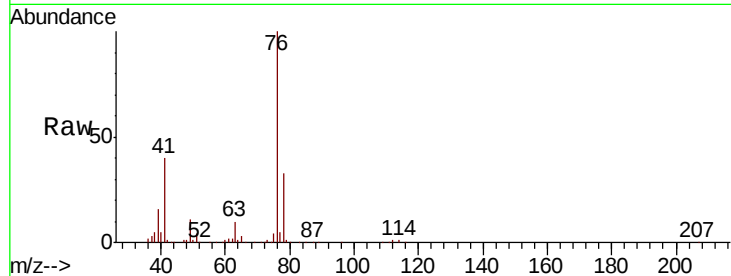
#57
 1,3-Dichloropropane
 Concen: 44.306 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.2	39.2

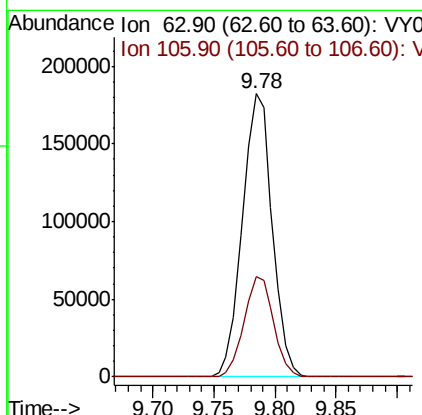
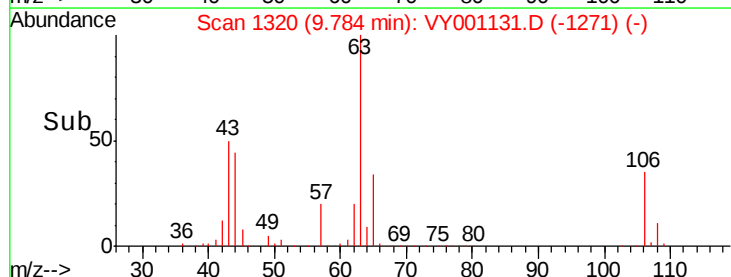
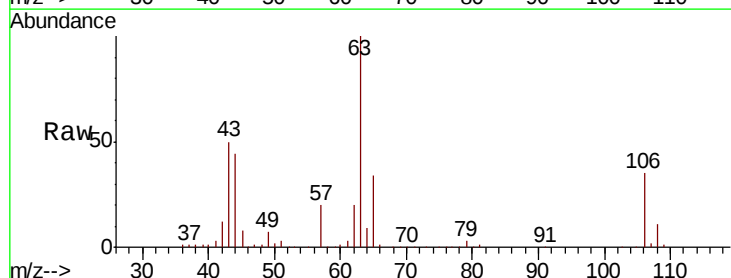
Manual Integrations
 APPROVED

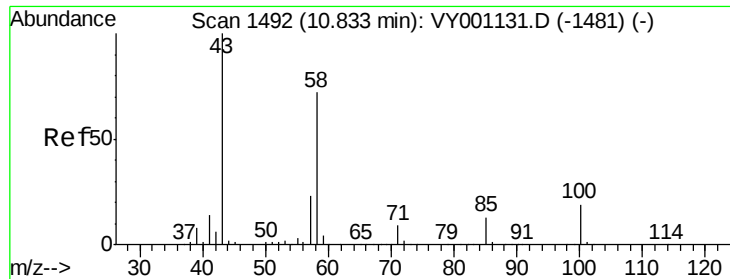
apatel
 1/3/2020 11:12:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 173.434 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	35.0	28.0	42.0





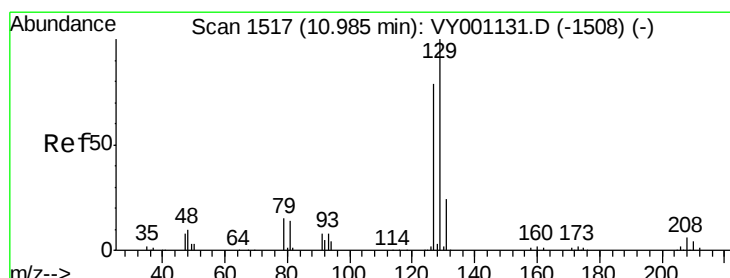
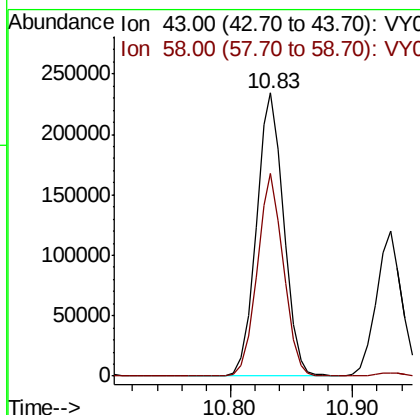
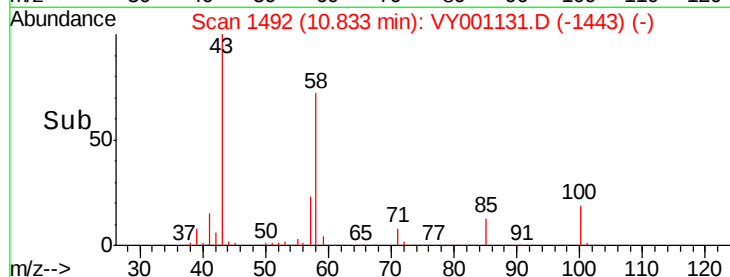
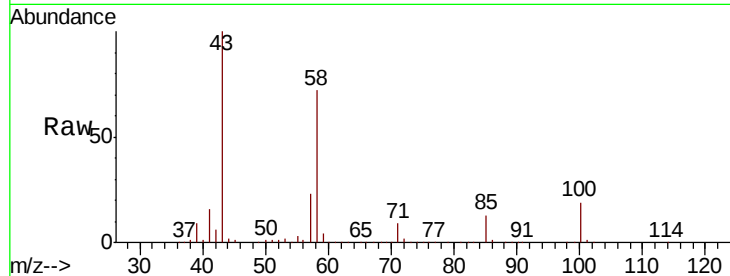
#59
2-Hexanone
Concen: 179.764 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 363677
Ion Ratio Lower Upper
43 100
58 68.9 34.4 103.3

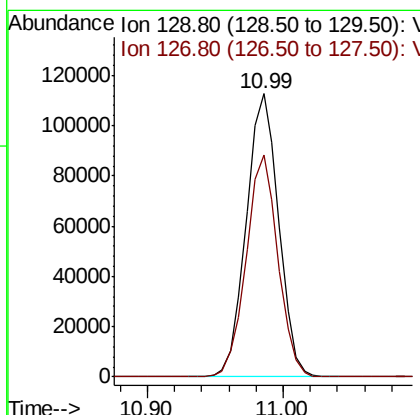
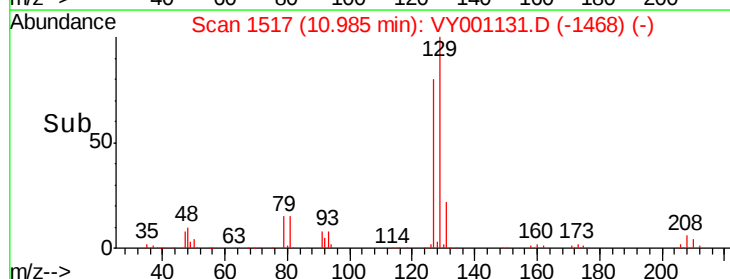
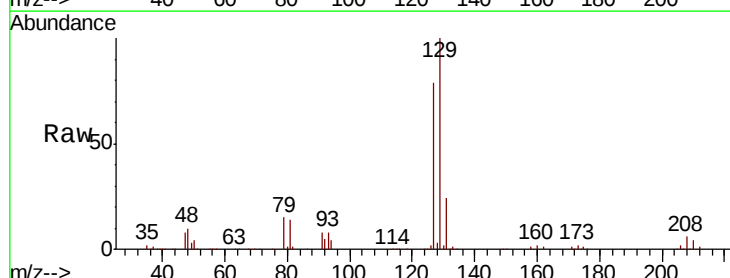
Manual Integrations
APPROVED

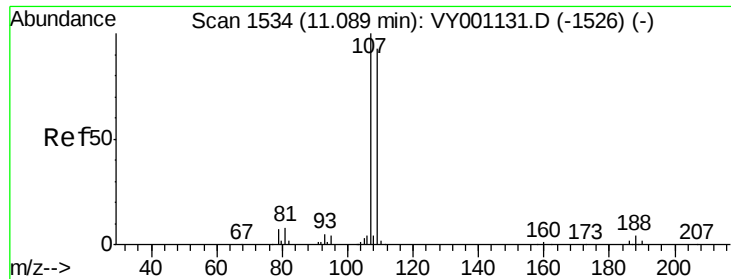
apatel
1/3/2020 11:12:14 AM



#60
Dibromochloromethane
Concen: 52.023 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion: 129 Resp: 187786
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





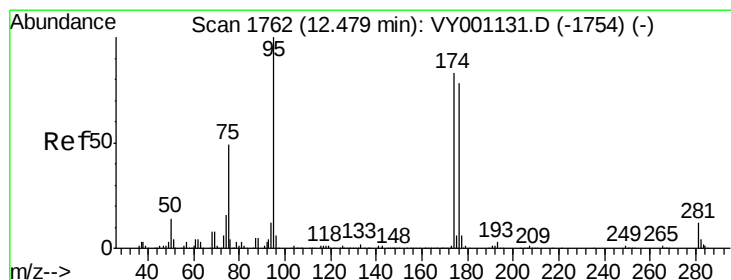
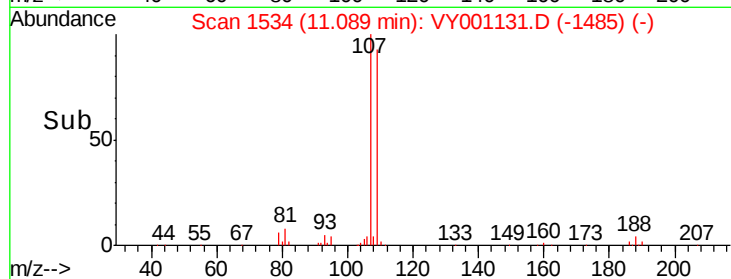
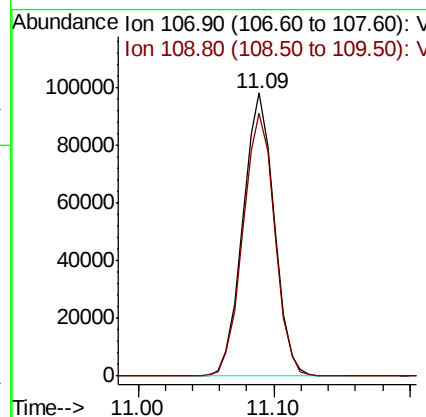
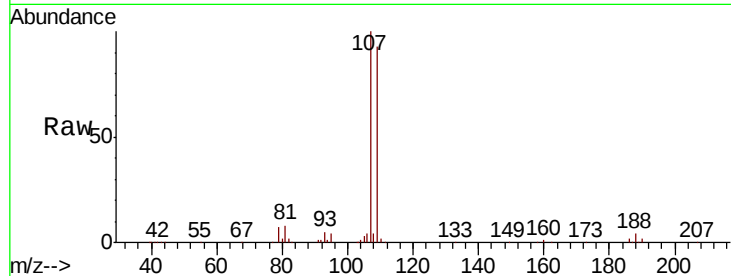
#61
 1,2-Dibromoethane
 Concen: 49.216 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 157444
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.2

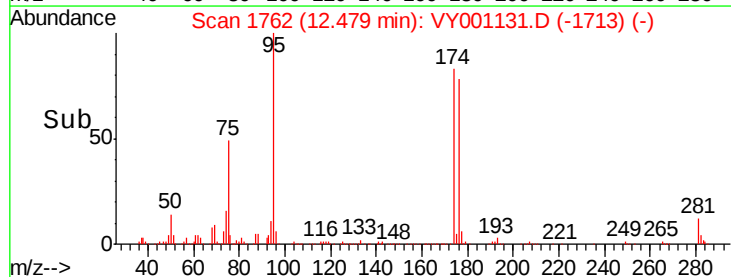
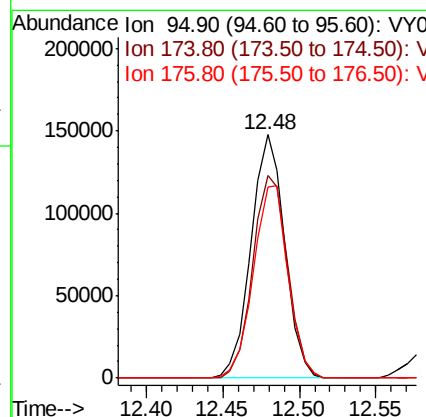
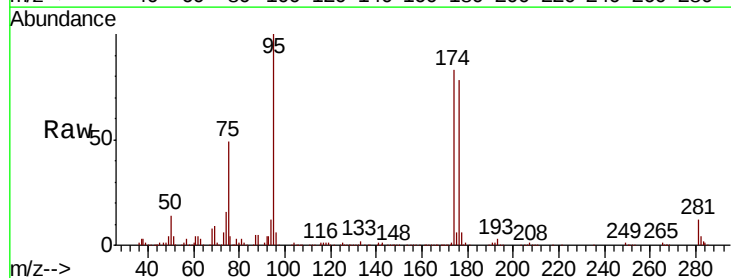
Manual Integrations
 APPROVED

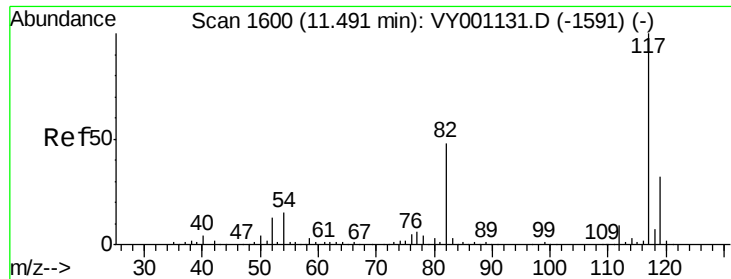
apatel
 1/3/2020 11:12:14 AM



#62
 4-Bromofluorobenzene
 Concen: 45.017 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Tgt Ion: 95 Resp: 226231
 Ion Ratio Lower Upper
 95 100
 174 85.9 0.0 171.8
 176 81.8 0.0 163.6





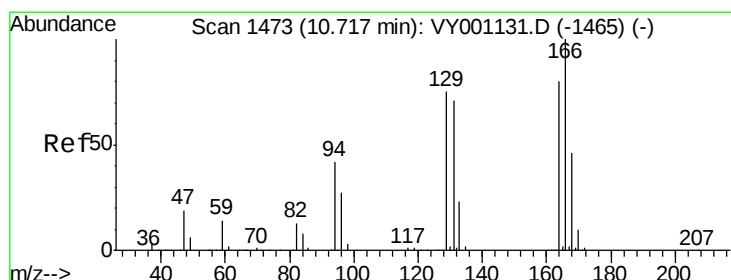
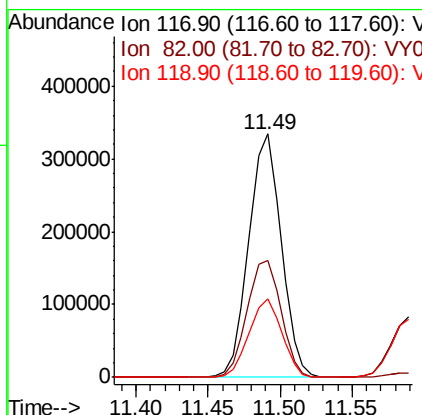
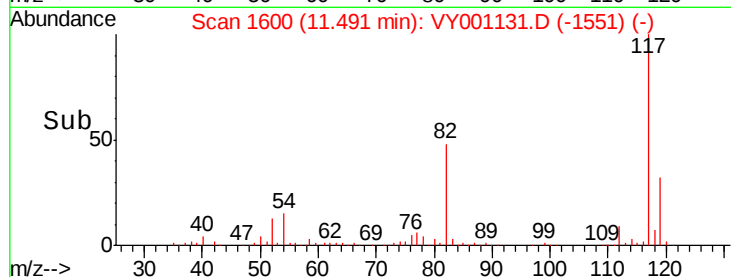
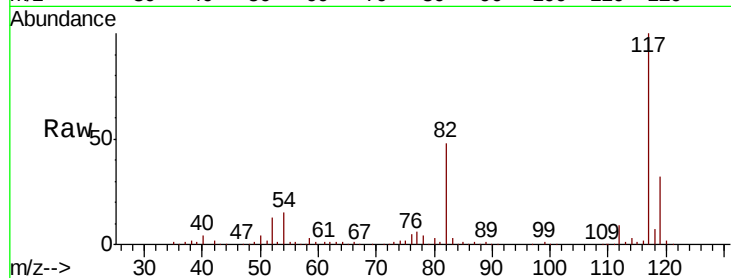
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.1	38.5	57.7
119	32.4	25.9	38.9

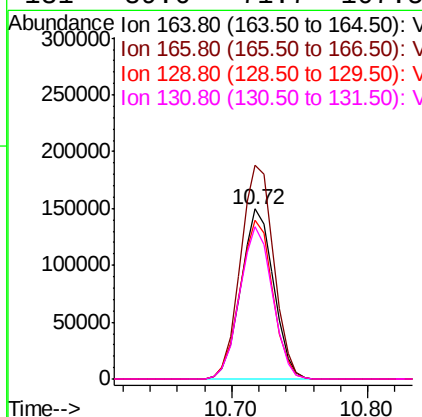
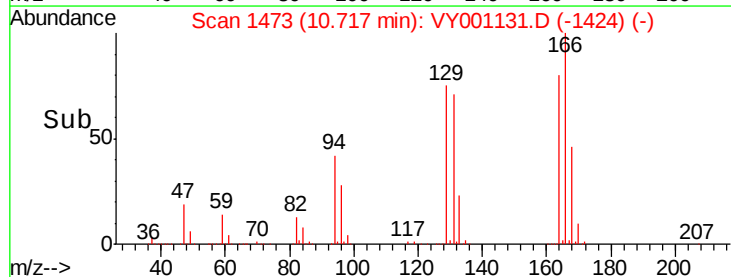
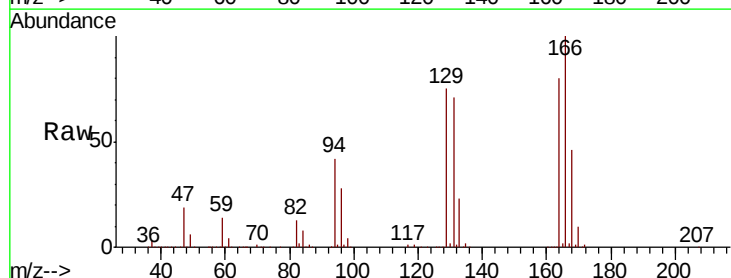
Manual Integrations
APPROVED

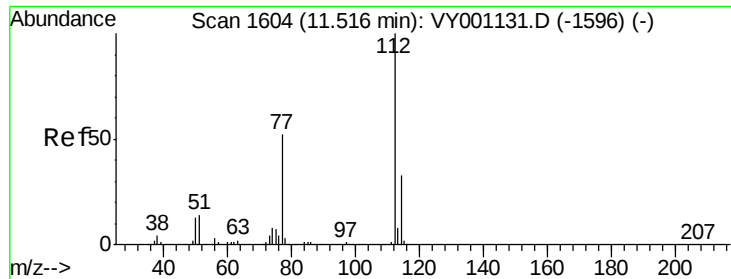
apatel
1/3/2020 11:12:14 AM



#64
Tetrachloroethene
Concen: 53.988 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	100.6	151.0
129	93.7	75.0	112.4
131	89.6	71.7	107.5





#65

Chlorobenzene

Concen: 50.619 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 556819

Ion Ratio Lower Upper

112 100

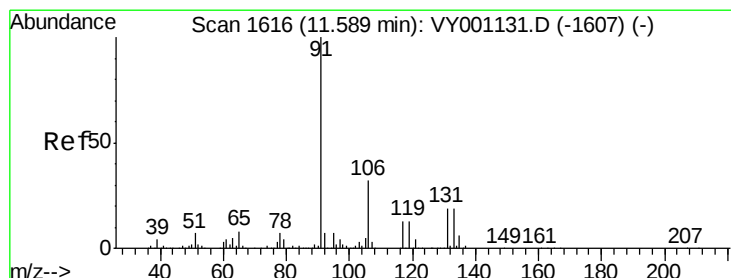
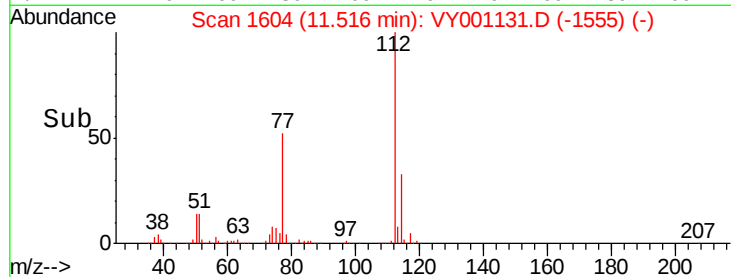
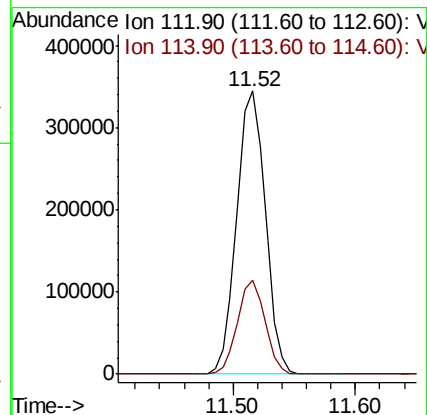
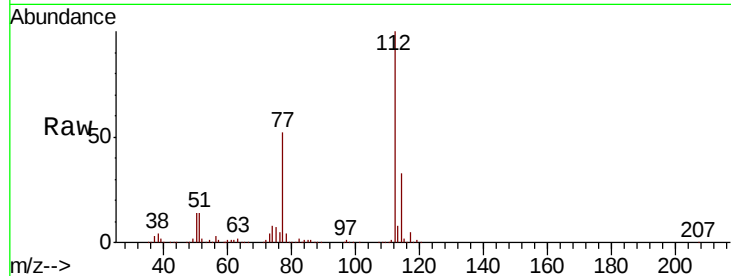
114 33.1 26.5 39.7

Manual Integrations

APPROVED

apatel

1/3/2020 11:12:14 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 54.046 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

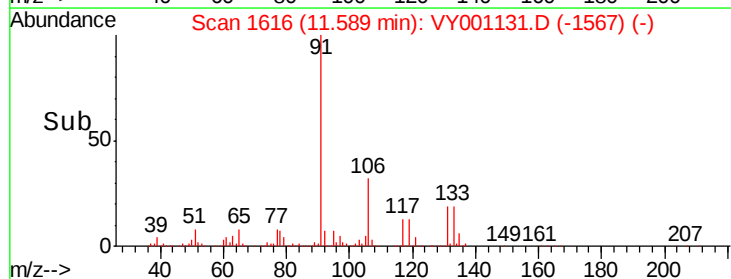
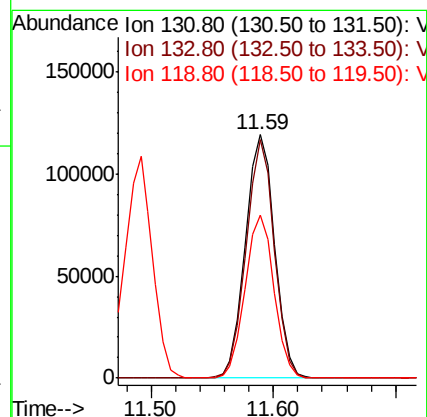
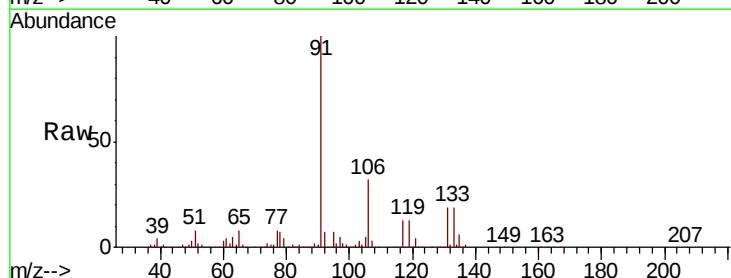
Tgt Ion:131 Resp: 197603

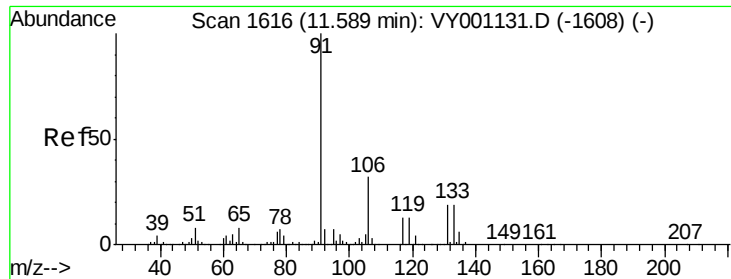
Ion Ratio Lower Upper

131 100

133 94.5 47.3 141.8

119 66.2 33.1 99.3





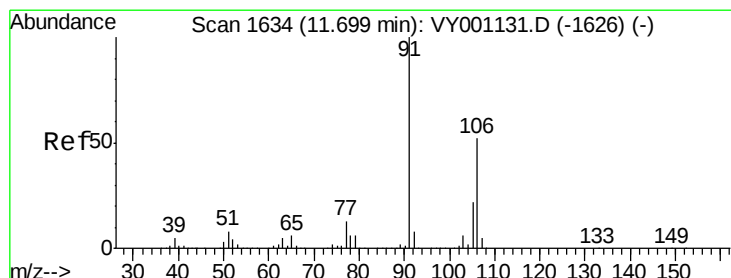
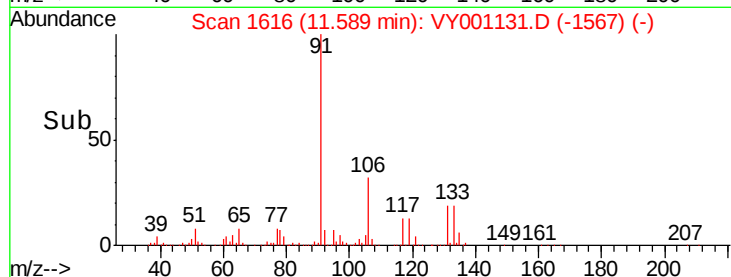
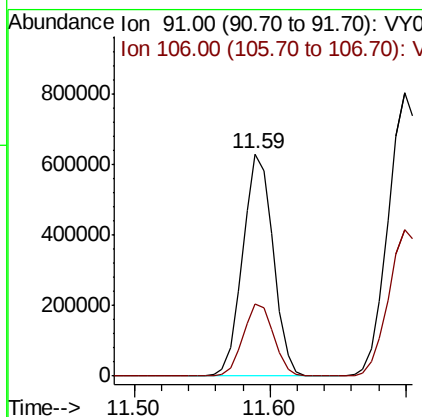
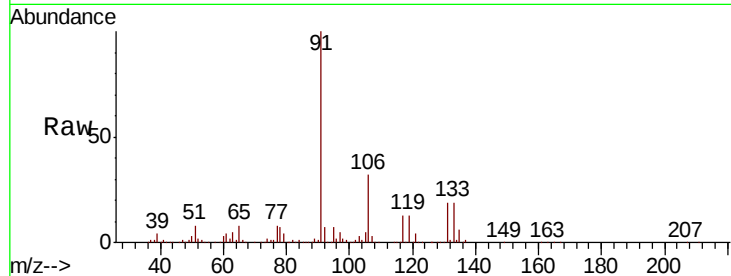
#67
Ethyl Benzene
Concen: 50.106 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 985653
Ion Ratio Lower Upper
91 100
106 32.4 25.9 38.9

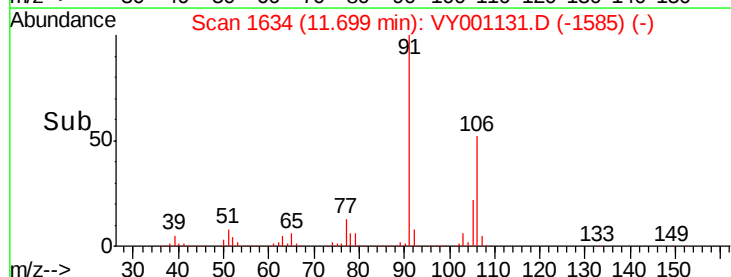
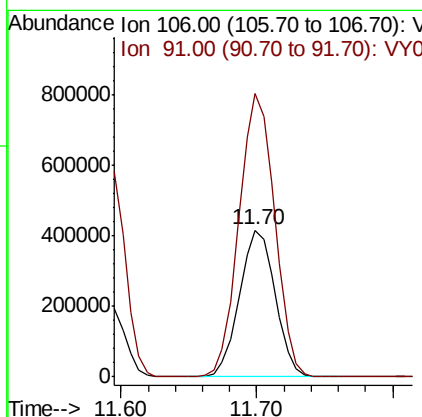
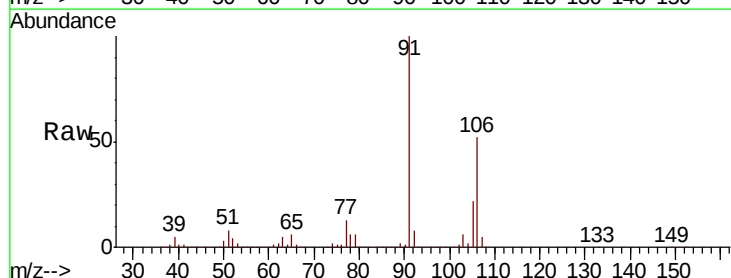
Manual Integrations
APPROVED

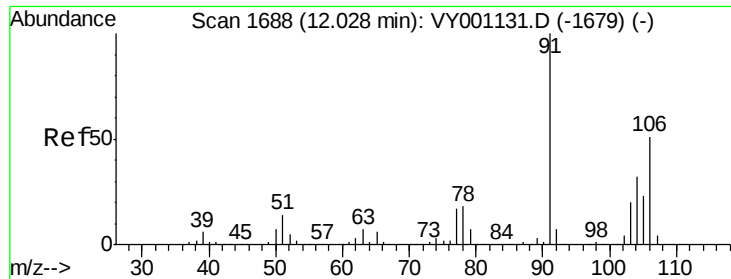
apatel
1/3/2020 11:12:14 AM



#68
m/p-Xylenes
Concen: 101.862 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion: 106 Resp: 764246
Ion Ratio Lower Upper
106 100
91 192.9 154.3 231.5





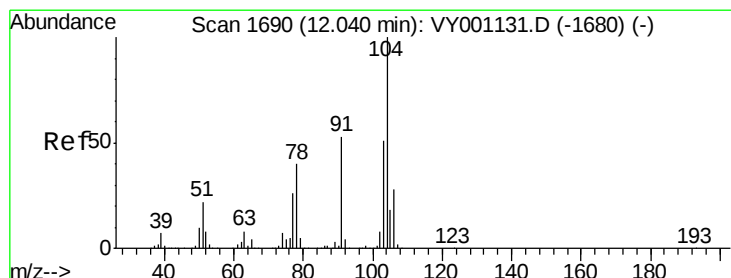
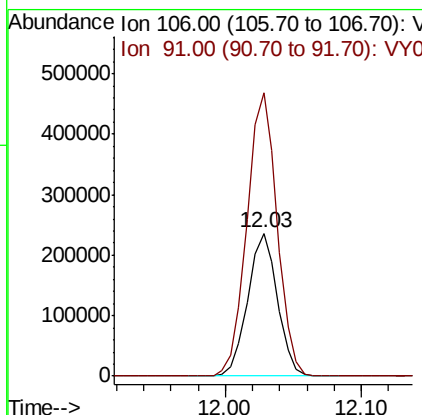
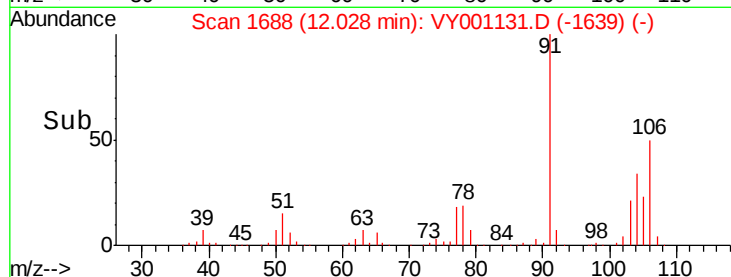
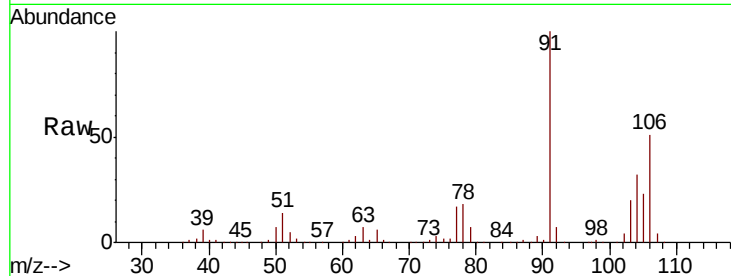
#69
o-Xylene
Concen: 51.172 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 361142
Ion Ratio Lower Upper
106 100
91 201.6 100.8 302.4

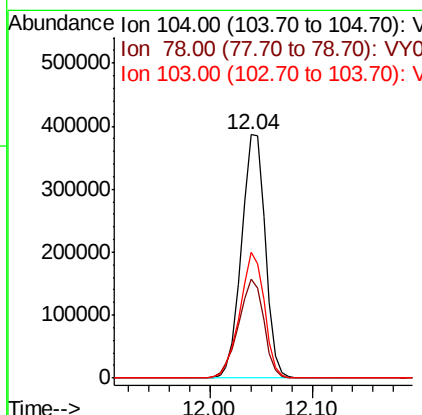
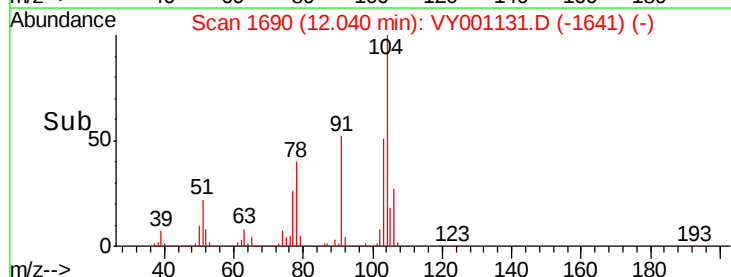
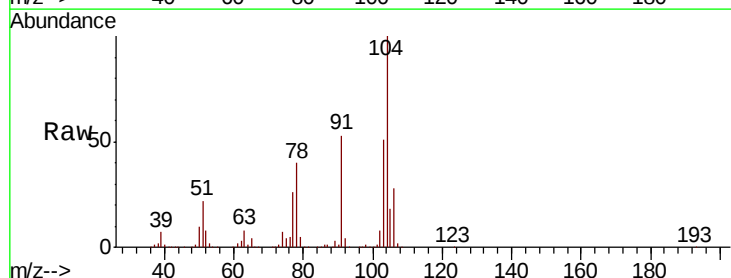
Manual Integrations
APPROVED

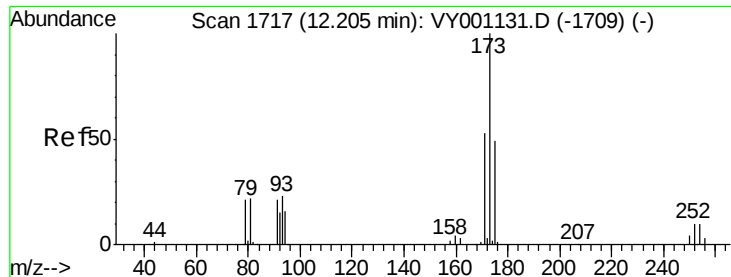
apatel
1/3/2020 11:12:14 AM



#70
Styrene
Concen: 51.905 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion:104 Resp: 623015
Ion Ratio Lower Upper
104 100
78 43.4 34.7 52.1
103 53.3 42.6 64.0





#71

Bromoform

Concen: 54.950 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 111747

Ion Ratio Lower Upper

173 100

175 48.8 24.4 73.2

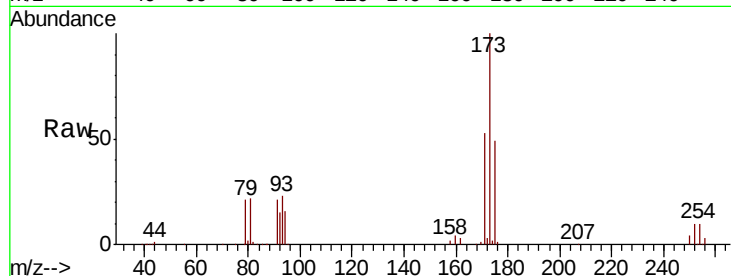
254 0.1 0.1 0.1#

Manual Integrations

APPROVED

apatel

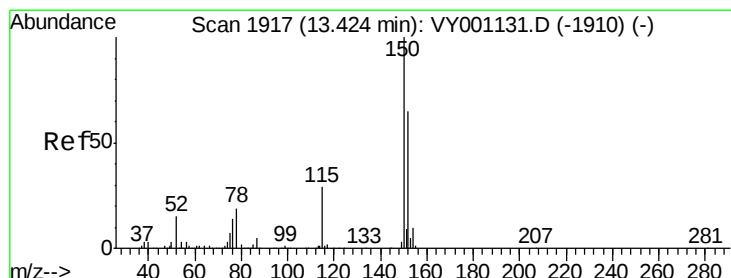
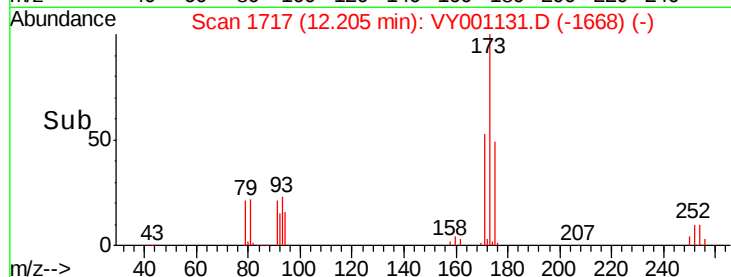
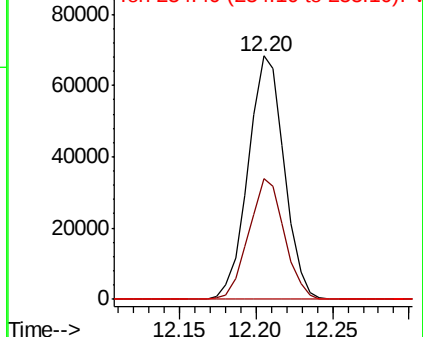
1/3/2020 11:12:14 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

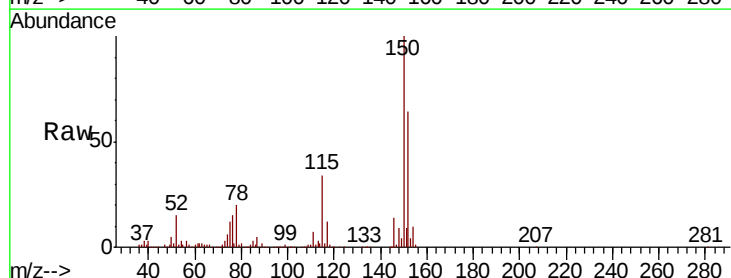
Tgt Ion:152 Resp: 247767

Ion Ratio Lower Upper

152 100

115 55.3 27.7 83.0

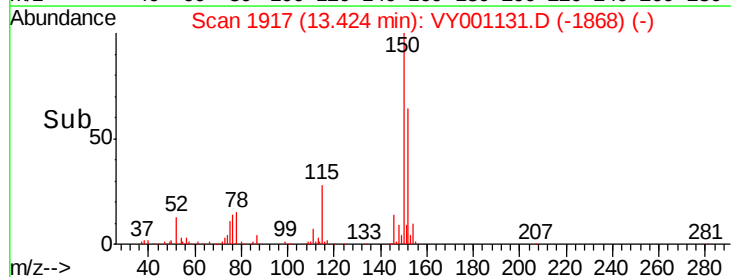
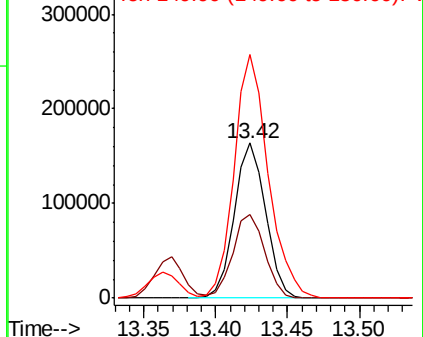
150 171.3 0.0 342.6

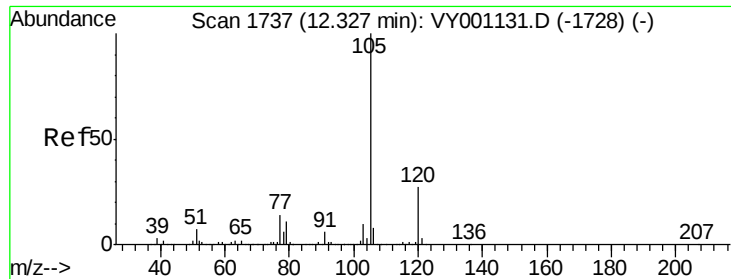


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.936 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 946807

Ion Ratio Lower Upper

105 100

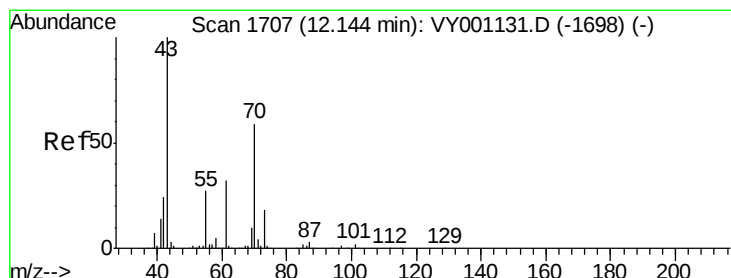
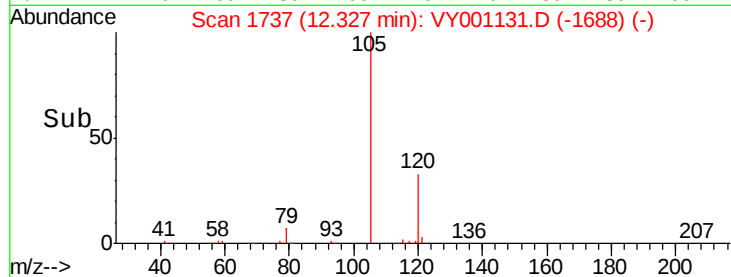
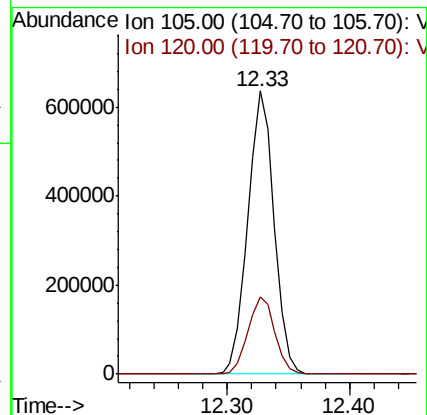
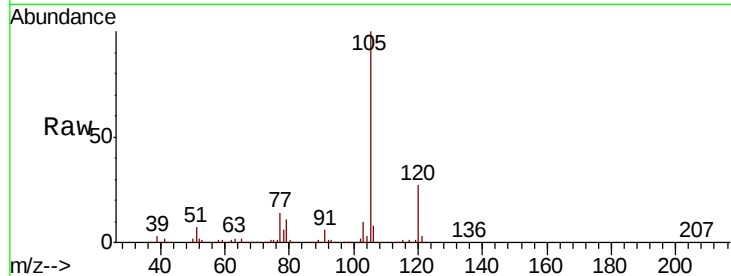
120 27.8 13.9 41.7

Manual Integrations

APPROVED

apatel

1/3/2020 11:12:14 AM



#74

N-ethyl acetate

Concen: 37.157 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Tgt Ion: 43 Resp: 179597

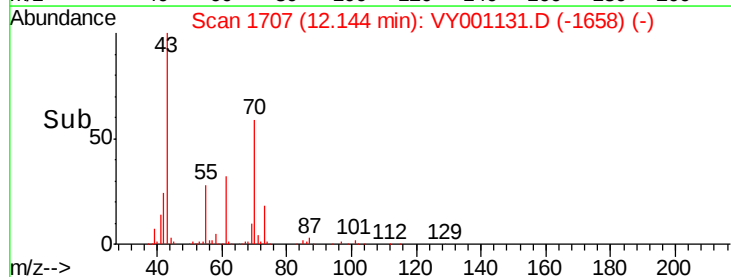
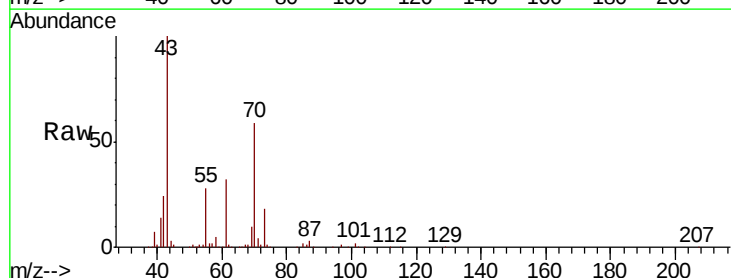
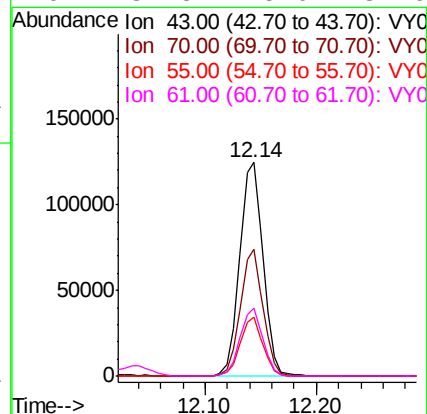
Ion Ratio Lower Upper

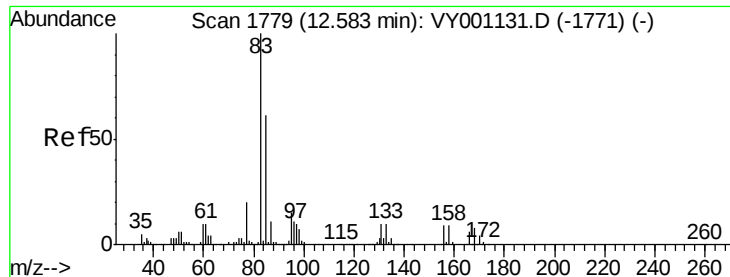
43 100

70 57.8 46.2 69.4

55 26.6 21.3 31.9

61 31.3 25.0 37.6





#75

1,1,2,2-Tetrachloroethane

Concen: 43.169 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 160710

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.7

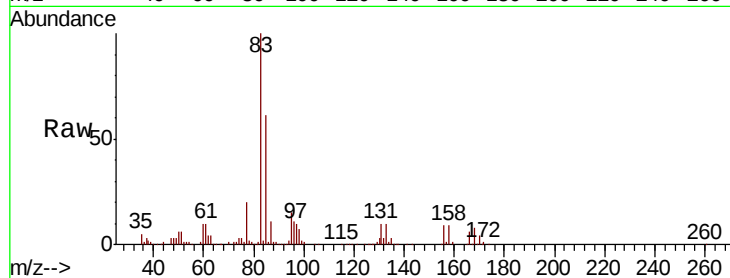
85 64.0 32.0 96.0

Manual Integrations

APPROVED

apatel

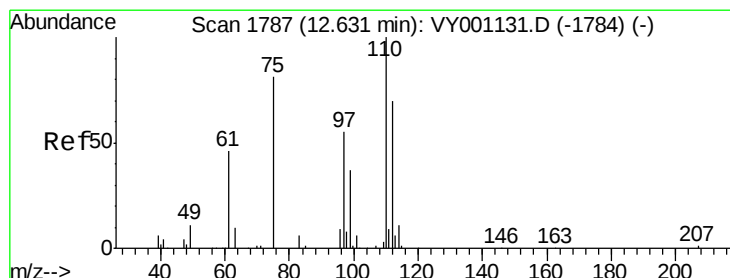
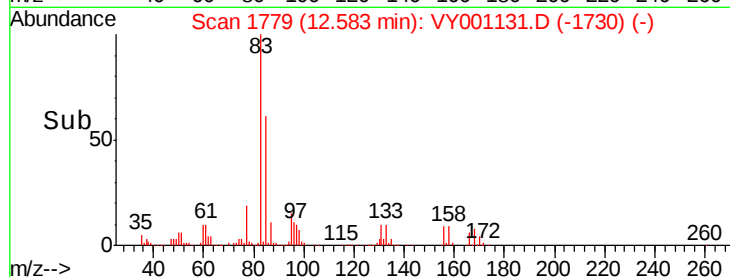
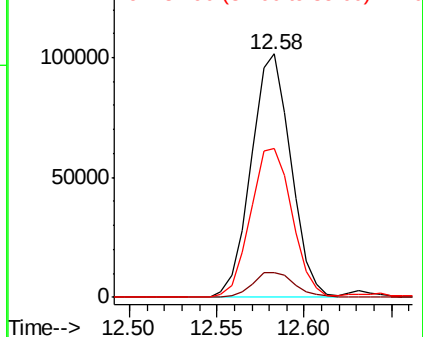
1/3/2020 11:12:14 AM



Abundance Ion 82.90 (82.60 to 83.60): VY001131.D (-1771) (-)

Ion 130.80 (130.50 to 131.50): VY001131.D (-1771) (-)

Ion 84.90 (84.60 to 85.60): VY001131.D (-1771) (-)



#76

1,2,3-Trichloropropane

Concen: 46.808 ug/l m

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY001131.D

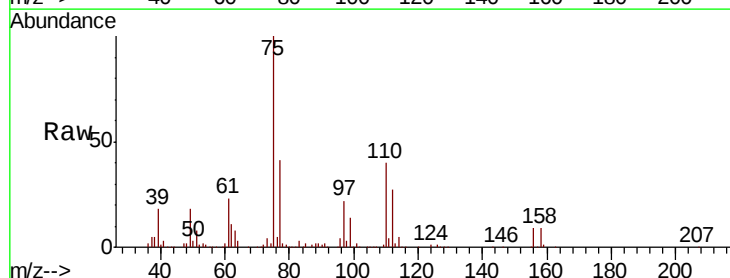
Acq: 02 Jan 2020 11:46

Tgt Ion: 75 Resp: 142439

Ion Ratio Lower Upper

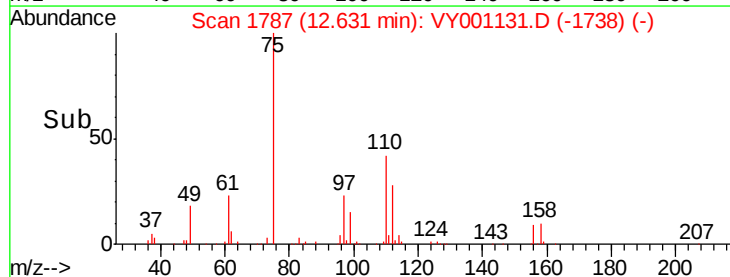
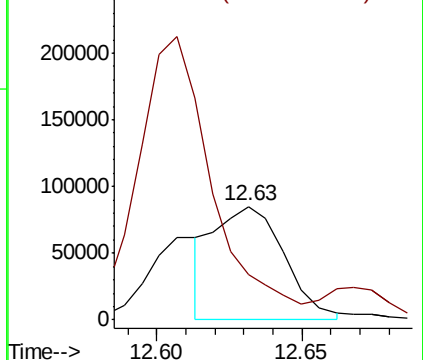
75 100

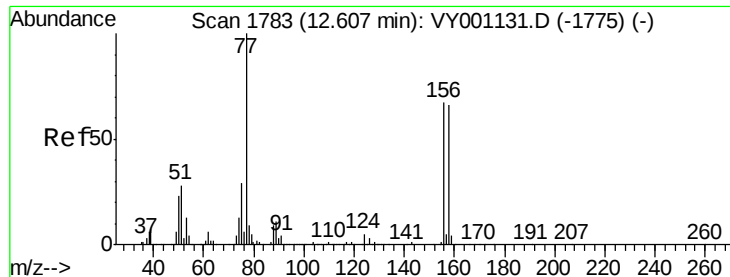
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY001131.D (-1784) (-)

Ion 77.00 (76.70 to 77.70): VY001131.D (-1784) (-)





#77

Bromobenzene

Concen: 50.375 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 220846

Ion Ratio Lower Upper

156 100

77 171.8 85.9 257.7

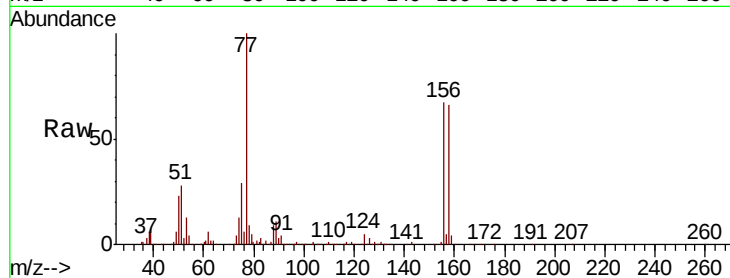
158 99.4 49.7 149.1

Manual Integrations

APPROVED

apatel

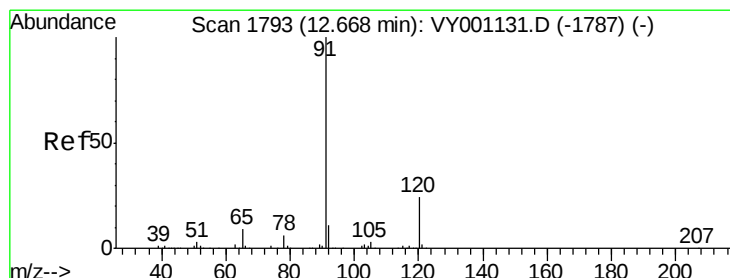
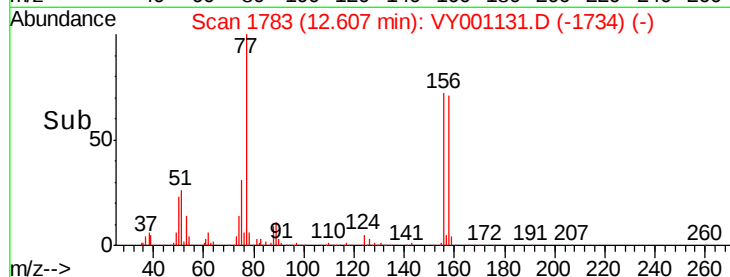
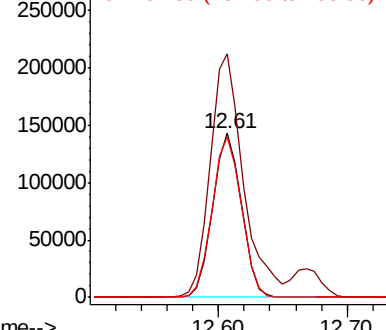
1/3/2020 11:12:14 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.570 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001131.D

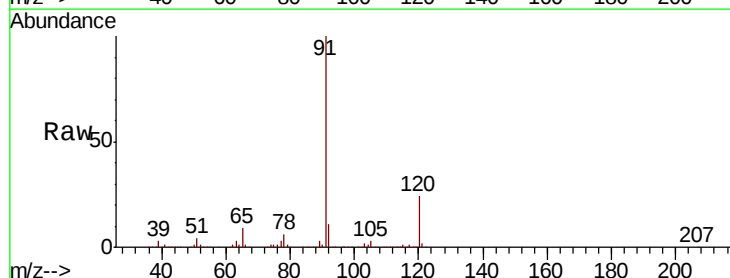
Acq: 02 Jan 2020 11:46

Tgt Ion: 91 Resp: 1117543

Ion Ratio Lower Upper

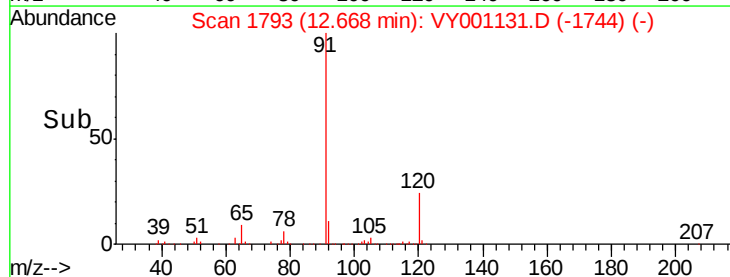
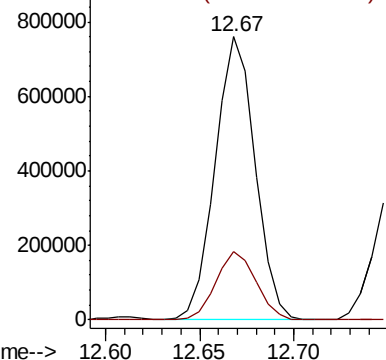
91 100

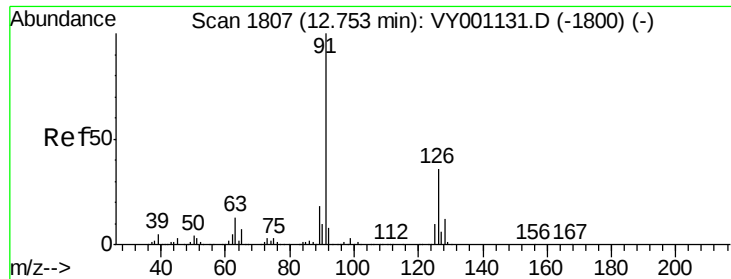
120 24.3 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





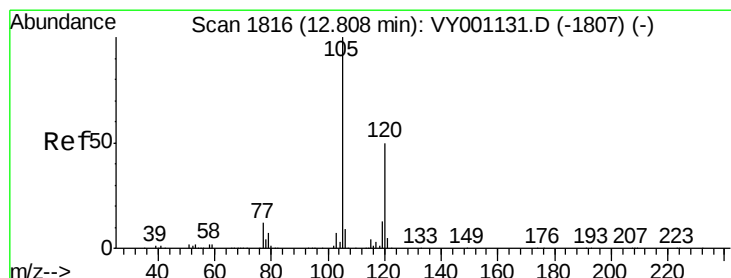
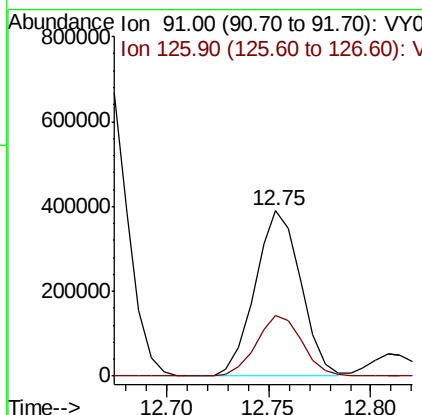
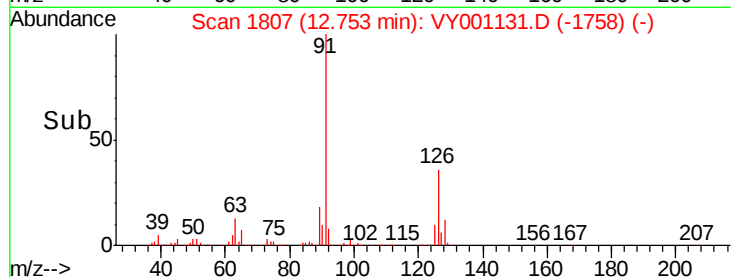
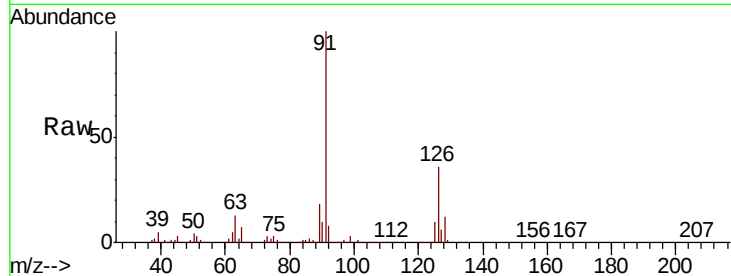
#79
 2-Chlorotoluene
 Concen: 46.993 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 608283
 Ion Ratio Lower Upper
 91 100
 126 36.5 18.3 54.8

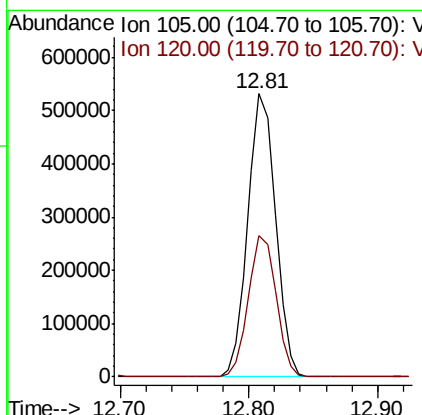
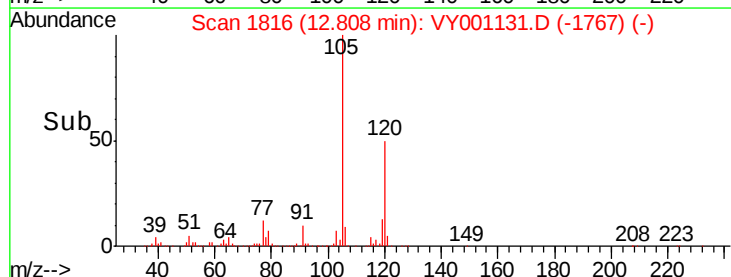
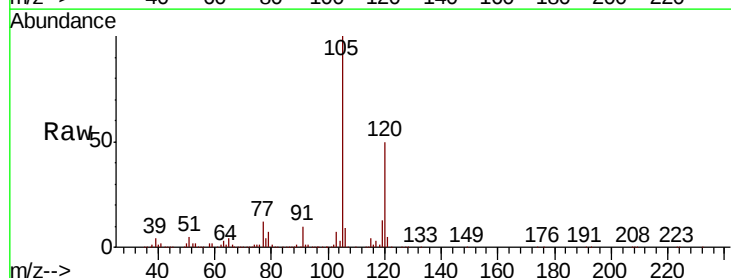
Manual Integrations
 APPROVED

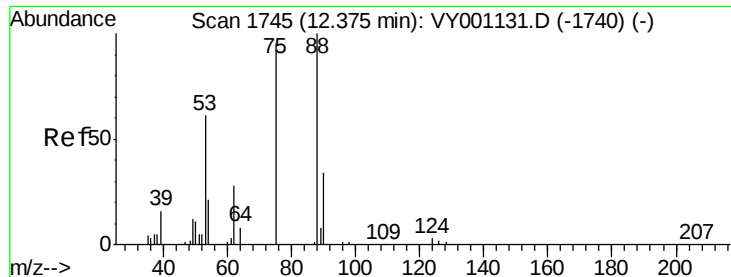
apatel
 1/3/2020 11:12:14 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.630 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Tgt Ion: 105 Resp: 788571
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 44.739 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Instrument :

MSVOA_Y

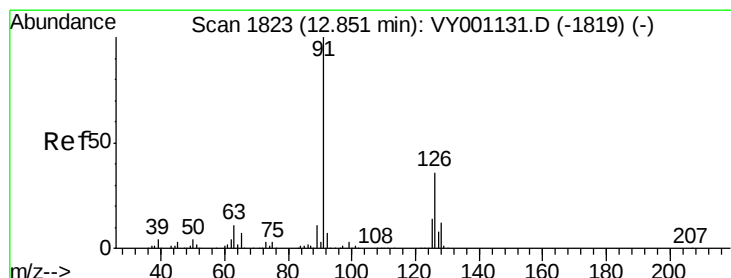
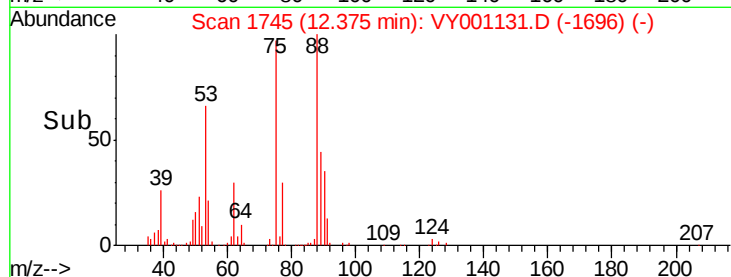
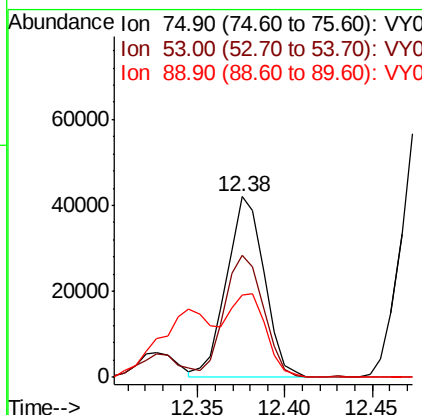
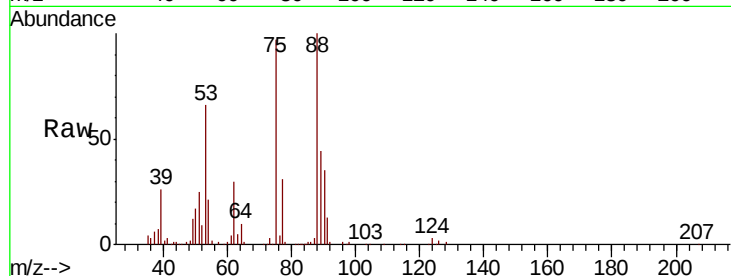
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	63228
Ion	Ratio	Lower	Upper
75	100		
53	69.5	55.6	83.4
89	43.4	34.7	52.1

Manual Integrations
APPROVED

apatel
1/3/2020 11:12:14 AM



#82

4-Chlorotoluene

Concen: 46.360 ug/l

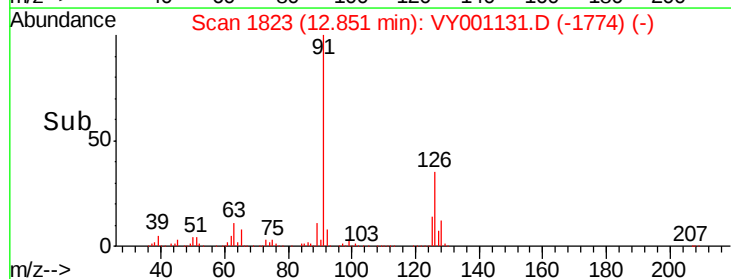
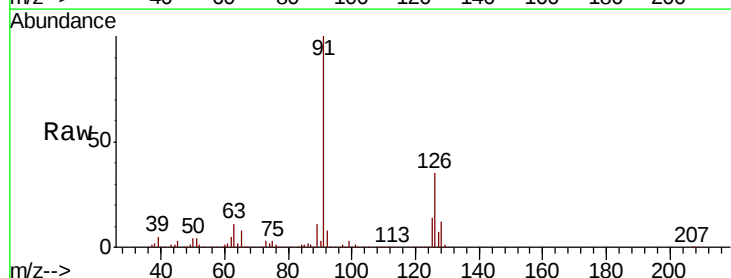
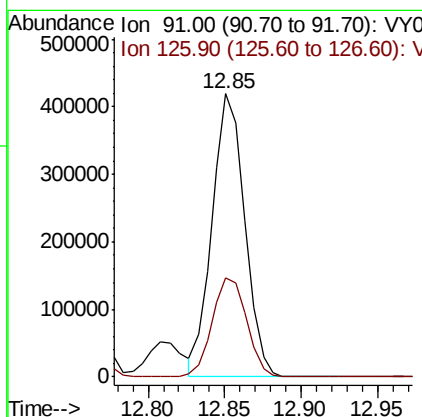
RT: 12.85 min Scan# 1823

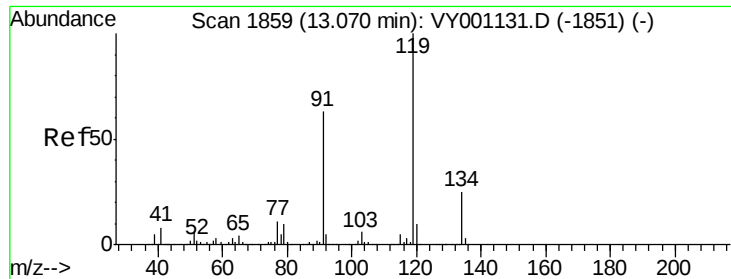
Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Tgt Ion:	91	Resp:	620971
Ion	Ratio	Lower	Upper
91	100		
126	37.3	18.6	56.0





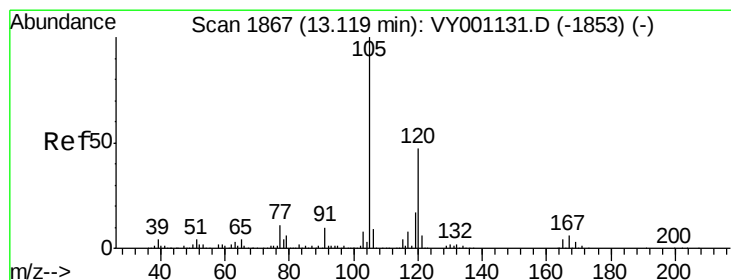
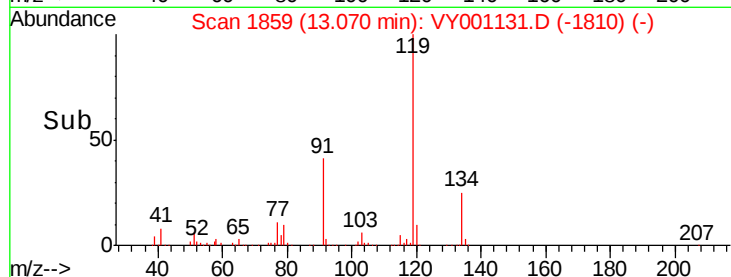
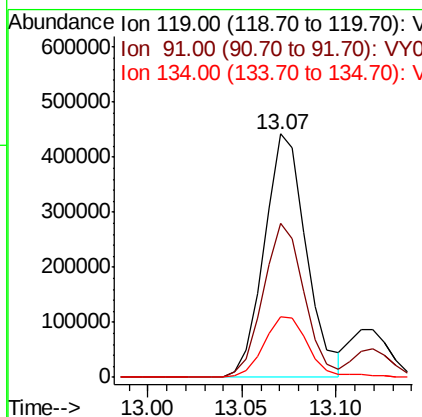
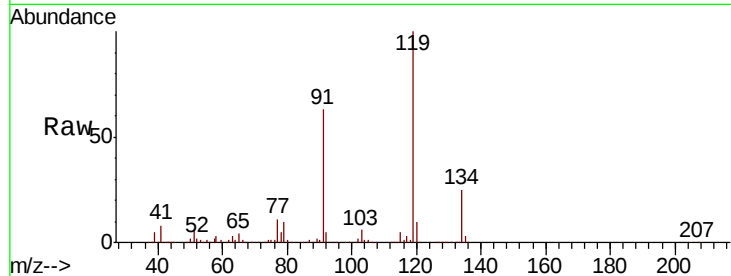
#83
tert-Butylbenzene
Concen: 50.804 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	682906		
91	61.8	30.9	92.7	
134	26.3	13.2	39.5	

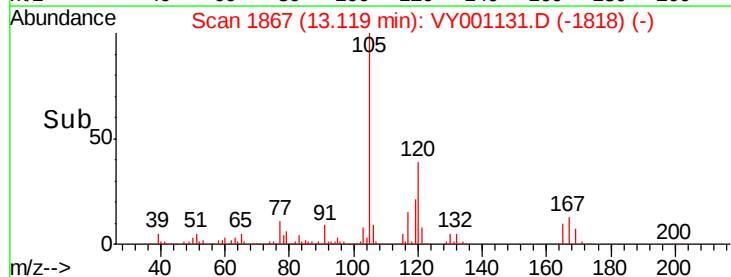
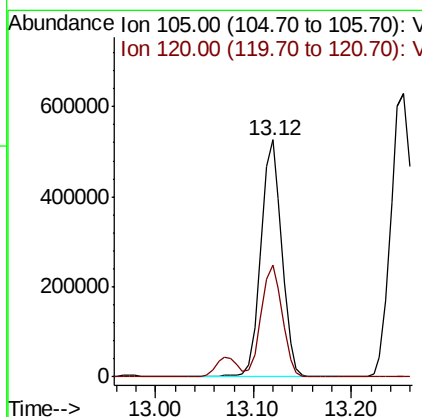
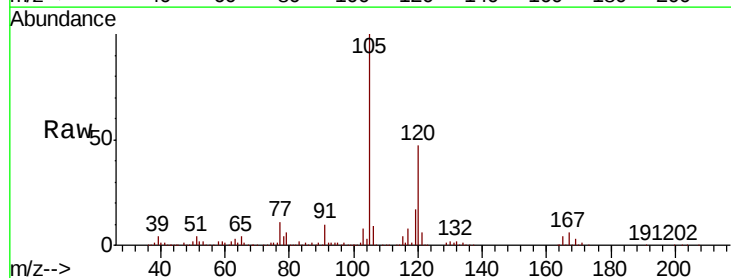
Manual Integrations
APPROVED

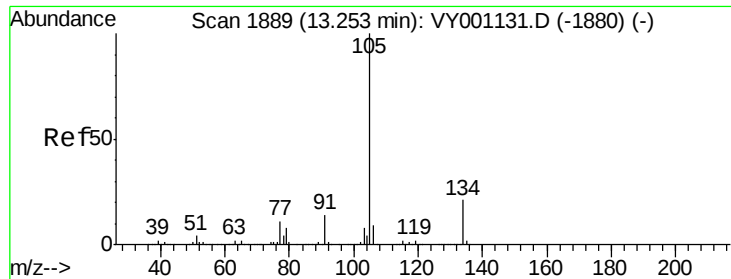
apatel
1/3/2020 11:12:14 AM



#84
1,2,4-Trimethylbenzene
Concen: 48.712 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	775335		
120	48.0	24.0	72.0	





#85

sec-Butylbenzene

Concen: 48.851 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 959752

Ion Ratio Lower Upper

105 100

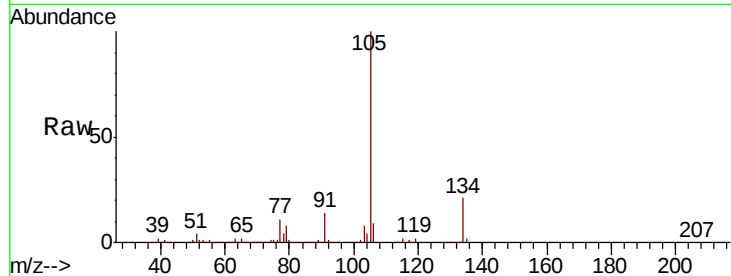
134 20.4 10.2 30.6

Manual Integrations

APPROVED

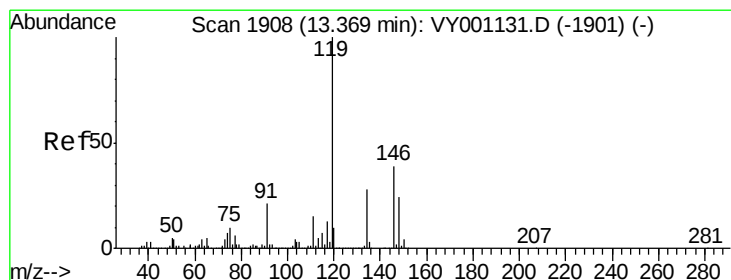
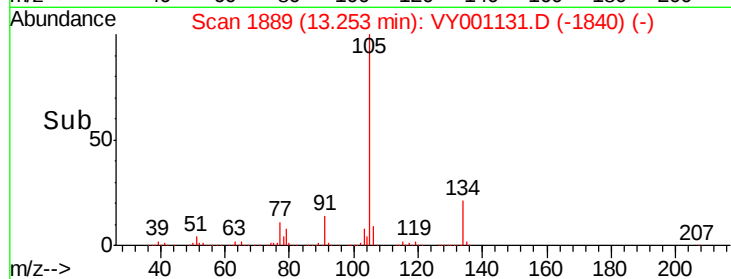
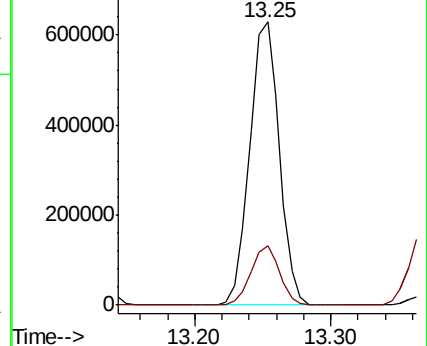
apatel

1/3/2020 11:12:14 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.156 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY001131.D

Acq: 02 Jan 2020 11:46

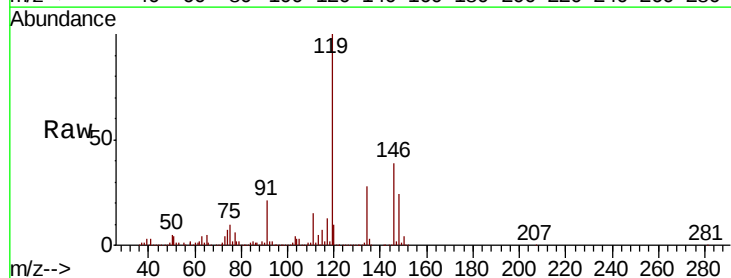
Tgt Ion:119 Resp: 854706

Ion Ratio Lower Upper

119 100

134 27.5 13.8 41.3

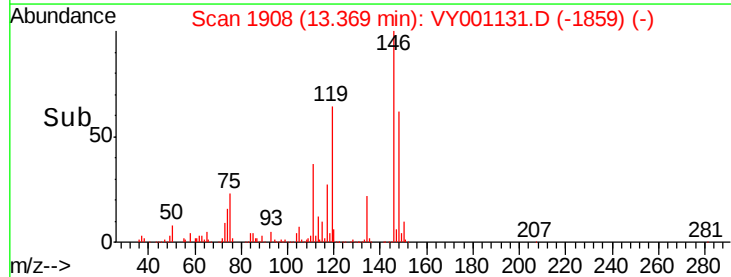
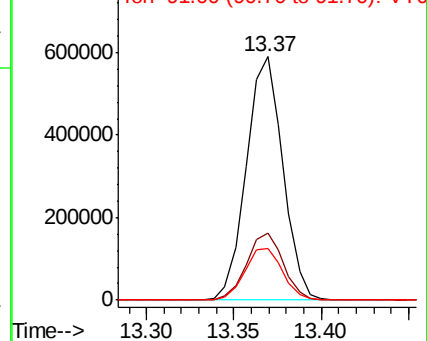
91 22.1 11.1 33.1

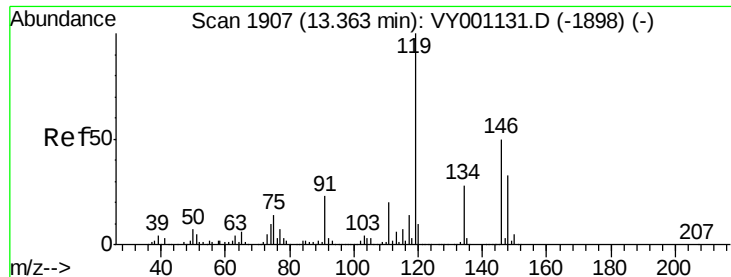


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





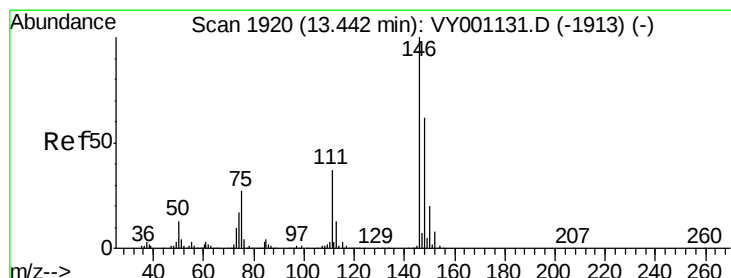
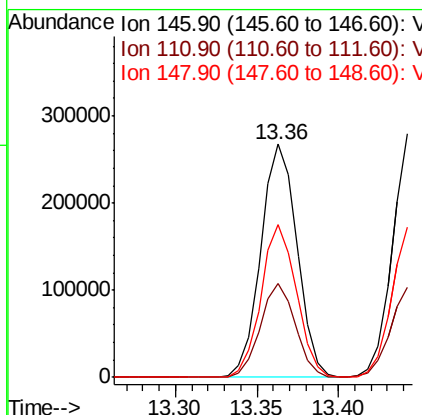
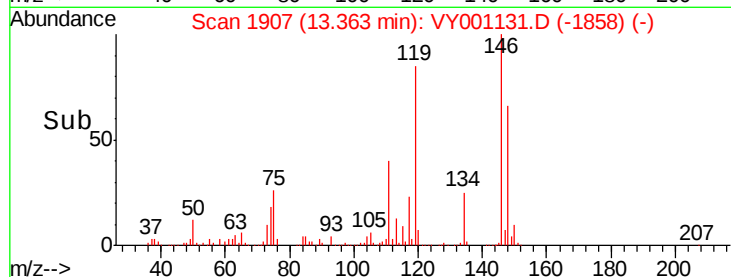
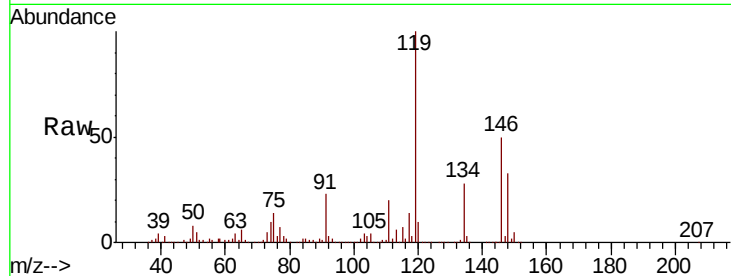
#87
 1,3-Dichlorobenzene
 Concen: 49.327 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	63.8	31.9	95.7

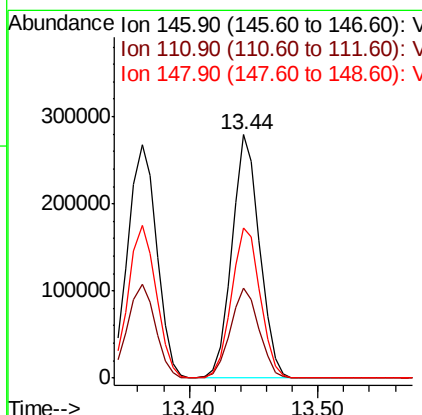
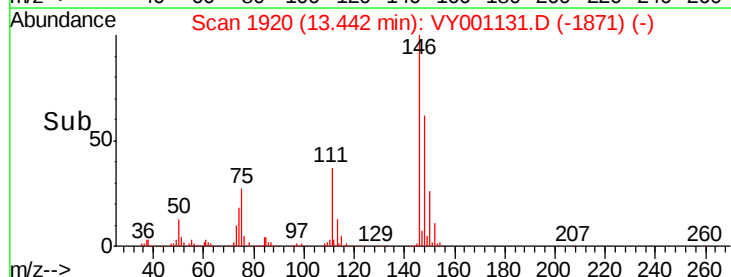
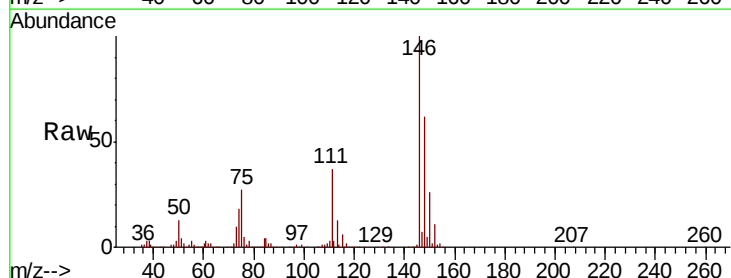
Manual Integrations
 APPROVED

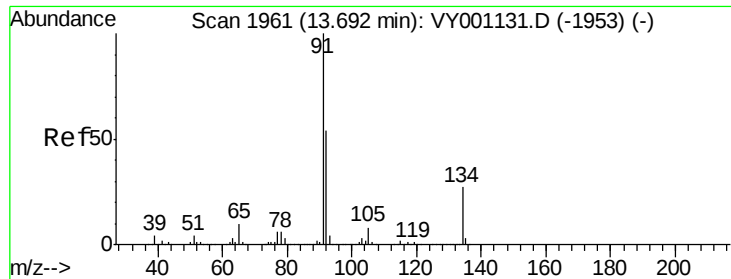
apatel
 1/3/2020 11:12:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.333 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.3
148	64.0	32.0	96.0





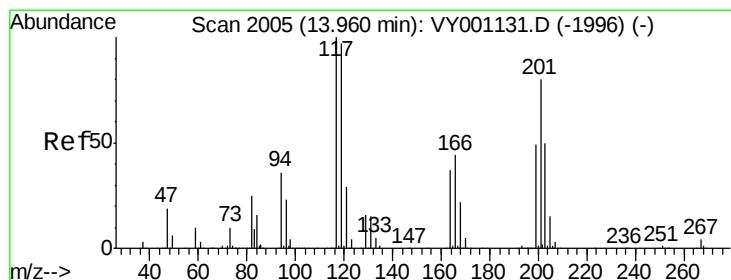
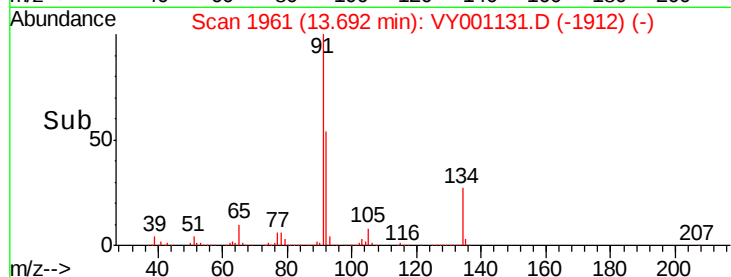
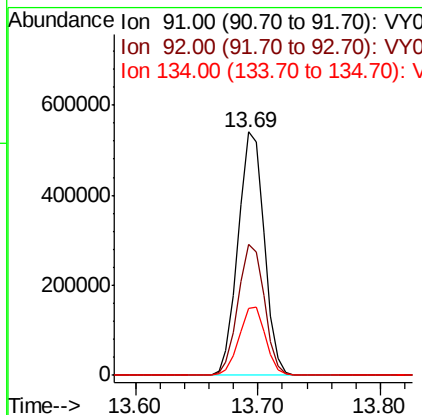
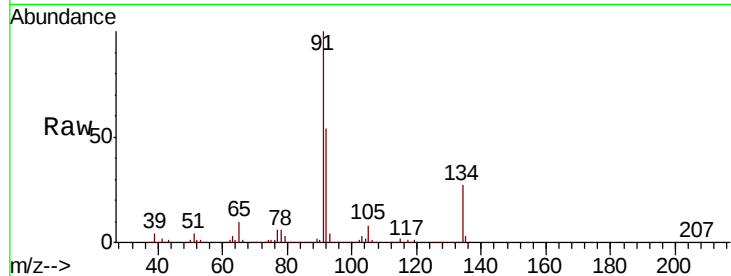
#89
n-Butylbenzene
Concen: 46.976 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.5
134	28.3	14.1	42.4

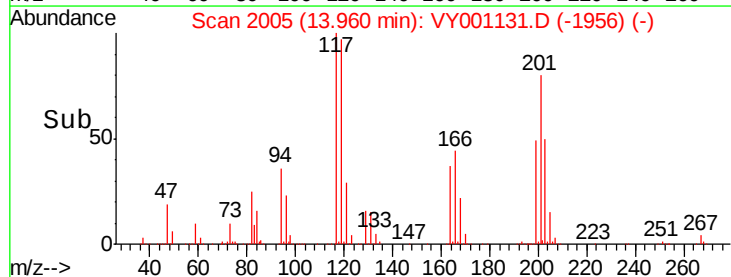
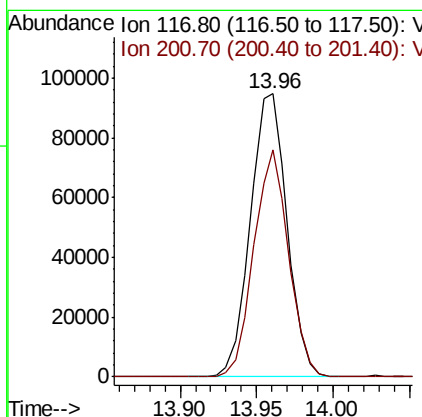
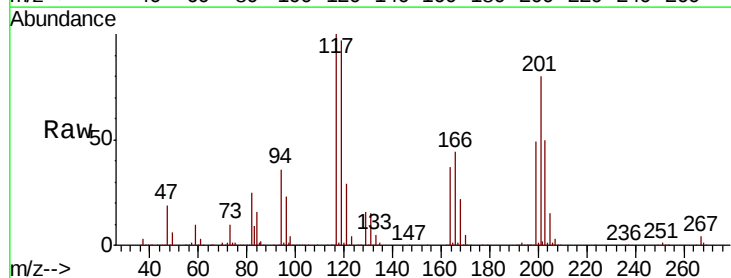
Manual Integrations
APPROVED

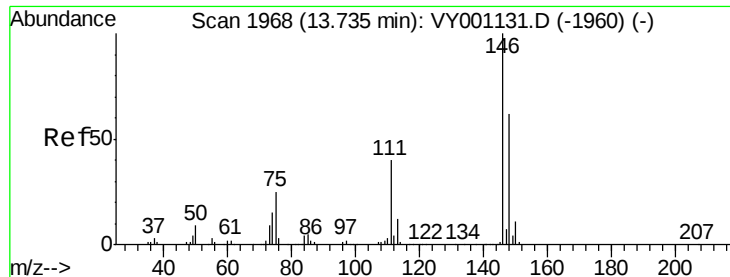
apatel
1/3/2020 11:12:14 AM



#90
Hexachloroethane
Concen: 49.566 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.0	38.0	114.0





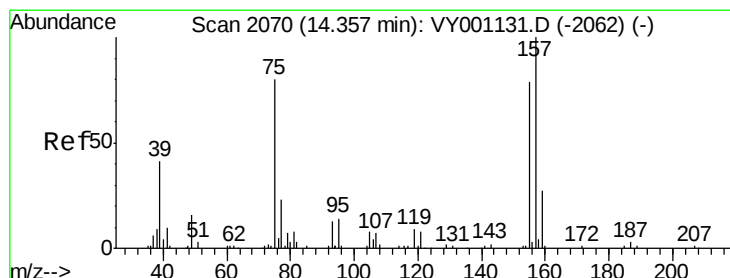
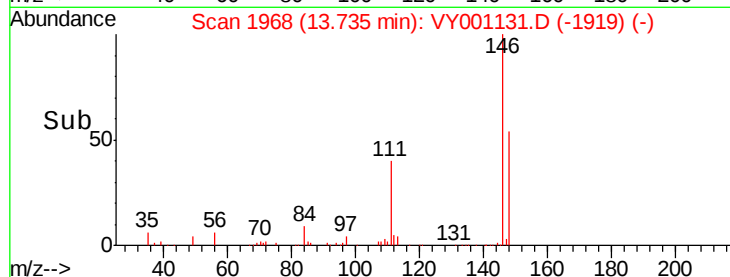
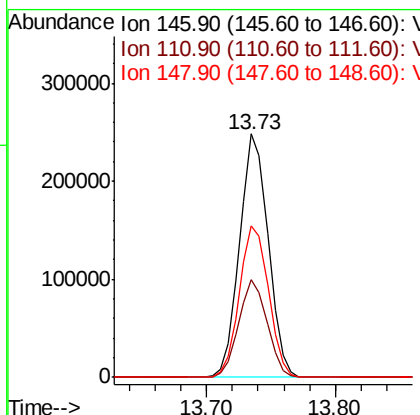
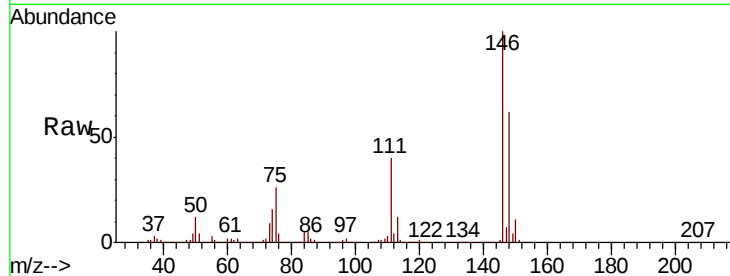
#91
 1,2-Dichlorobenzene
 Concen: 49.301 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.3
148	63.7	31.9	95.5

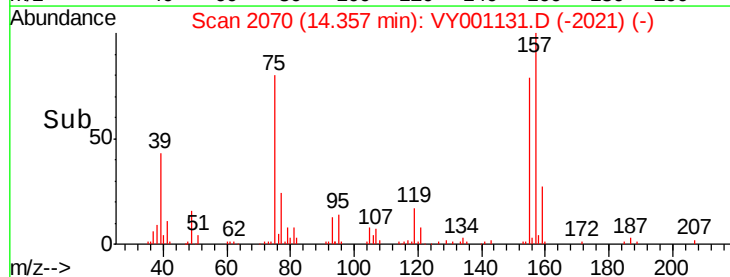
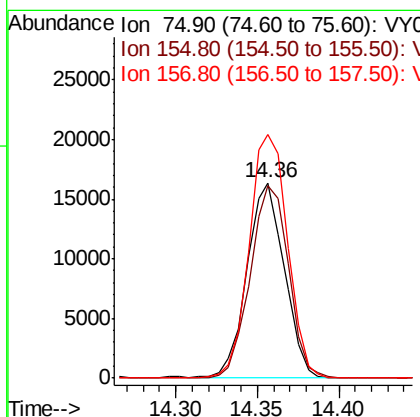
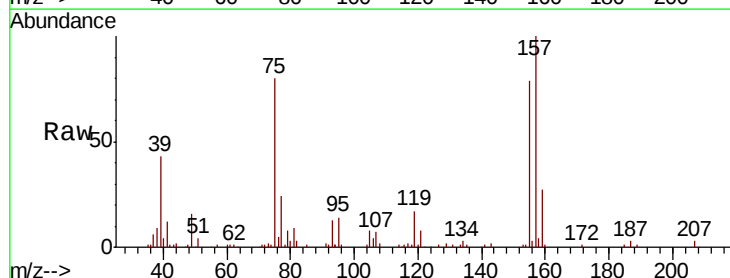
Manual Integrations
 APPROVED

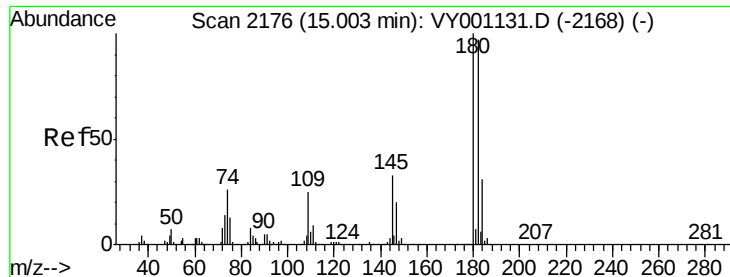
apatel
 1/3/2020 11:12:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.976 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.9	50.4	151.3
157	128.0	64.0	192.0





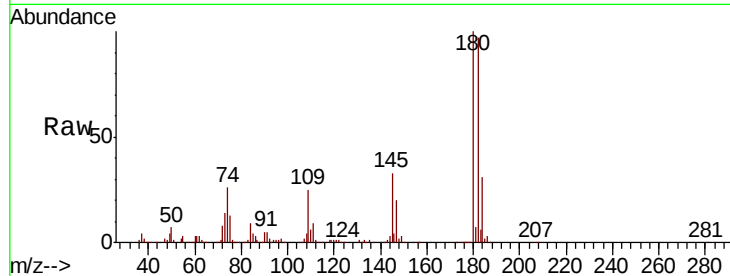
#93
 1,2,4-Trichlorobenzene
 Concen: 49.617 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	258878		
182	97.2	48.6	145.8	
145	32.2	16.1	48.3	

Manual Integrations
 APPROVED

apatel
 1/3/2020 11:12:14 AM

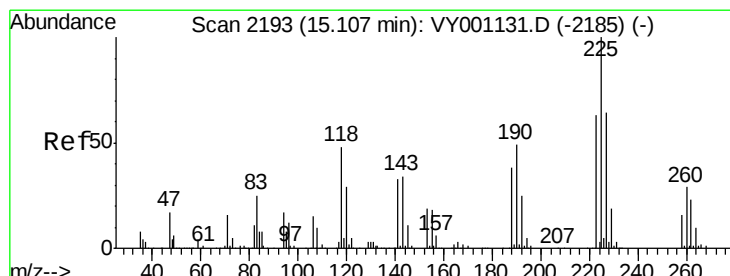
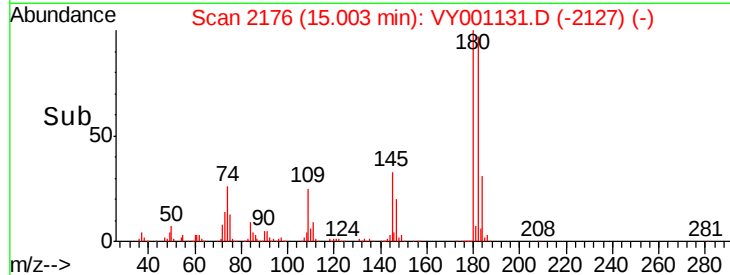
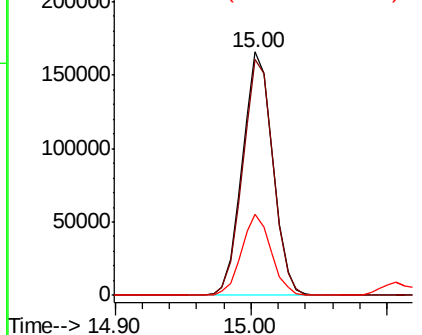


Abundance

Ion 179.80 (179.50 to 180.50): V

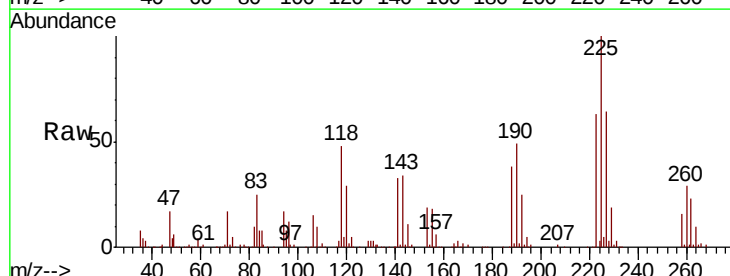
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.936 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001131.D
 Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133069		
223	63.5	31.8	95.3	
227	65.1	32.6	97.7	

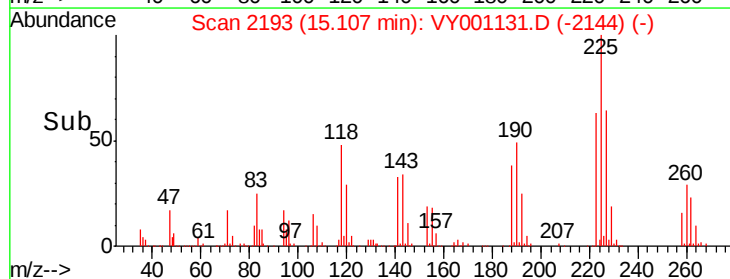
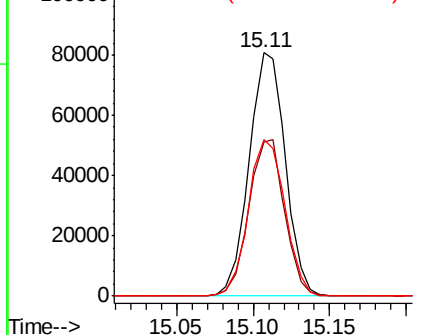


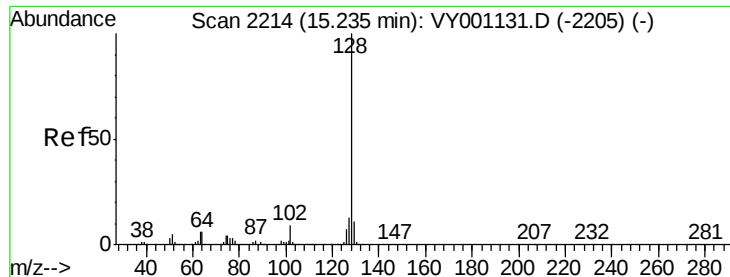
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





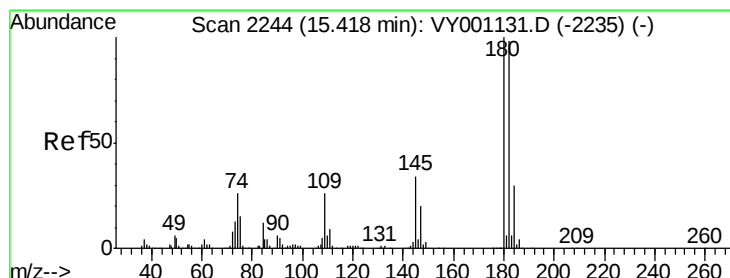
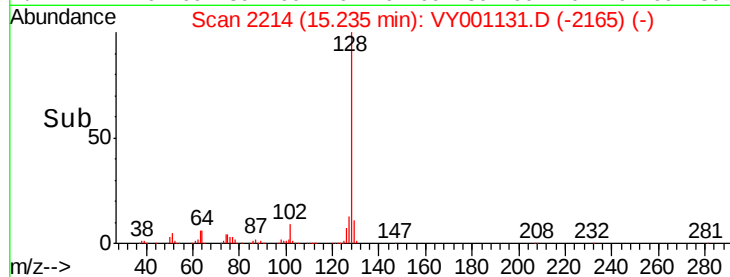
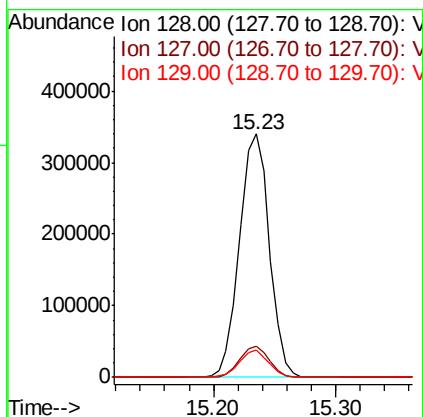
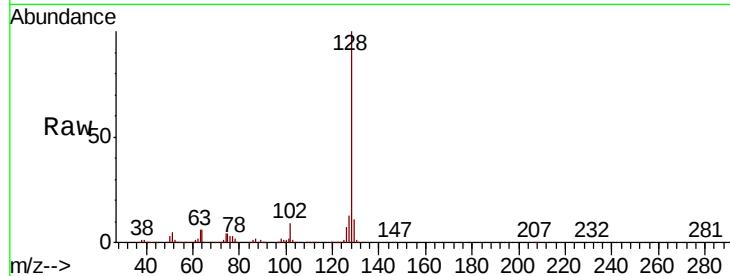
#95
Naphthalene
Concen: 47.301 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

apatel
1/3/2020 11:12:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.806 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001131.D
Acq: 02 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	33.0	16.5	49.5

